

**Enter Watershed Variables Below**

Watershed Name	<input type="text" value="Whitewater River"/>	Watershed Code	<input type="text" value="07140107"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Cultivated Cropland"/>	Landuse Acres	<input type="text" value="113,500"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="50"/>	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>	<b>COMPARE</b>	<input type="text" value="5%"/>	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%	5,675	Baseline	95%	5,391	Baseline	5%	5,391	5,391	0
			Progressive	3%	170					
			RMS	2%	114					
<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%	90,800	Progressive	95%	86,260	Progressive	76%	86,430	86,260	170
			RMS	5%	4,540					
<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%	17,025	RMS	100%	17,025	RMS	19%	21,679	17,025	4,654
<b>Grand Totals</b>	<b>100%</b>	<b>113,500</b>					<b>100%</b>	<b>113,500</b>	<b>108,676</b>	<b>4,824</b>

# ***DOCUMENTATION SECTION***

Use an "x" to place conservation practices in each treatment level. Click the "Next" Button to move forward.		Conservation Treatment Levels			
Practices from CPPE Tool Output		Code	Base	Prog	RMS
Conservation Crop Rotation (ac.) 328		328	x	x	x
Filter Strip (ac.) 393		393			x
Irrigation Land Leveling (ac.) 464		464		x	x
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground,		430DD		x	x
Irrigation Water Management (ac.) 449		449			x
Nutrient Management (ac.) 590		590			x
Pest Management (ac.) 595		595			x
Residue and Tillage Management, Mulch Till (ac.) 345		345		x	x
Residue and Tillage Management, Ridge Till (ac.) 346		346		x	x
Upland Wildlife Habitat Management (ac.) 645		645			x

# DOCUMENTATION SECTION

<b>PRACTICE FACTOR SHEET</b>								
		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)								
Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name			
328	x 90.0%	x 90.0%	x 90.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328			
345	0.0%	x 90.0%	x 90.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 345			
346	0.0%	x 5.0%	x 5.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346			
393	0.0%	0.0%	x 1.0%	PERCENT of TU	Filter Strip (ac.) 393			
430DD	0	x 1,500	x 1,500	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plasti			
449	0.0%	0.0%	x 90.0%	PERCENT of TU	Irrigation Water Management (ac.) 449			
464	0.0%	x 90.0%	x 90.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464			
590	0.0%	0.0%	x 90.0%	PERCENT of TU	Nutrient Management (ac.) 590			
595	0.0%	0.0%	x 90.0%	PERCENT of TU	Pest Management (ac.) 595			
645	0.0%	0.0%	x 8.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645			
327	10.0%	10.0%	10.0%	PERCENT of TU	Conservation Cover (ac.) 327			
410	0	1	1	NUMBER per TU	Grade Stabilization Structure (no.) 410			
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			
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA			
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443			
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			
644	50.0%	50.0%	50.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644			
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			

WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107			LANDUSE ACRES		113,500		
LANDUSE TYPE		CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		50		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		5%		
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	Water Quantity – Inefficient Water Use on Irrigated Land	Water Quality – Excessive Nutrients and Organics in	Water Quality – Excessive Nutrients and Organics in
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	
<b>Total Acreage at Baseline Level</b>		<b>5,675</b>	<b>5,391</b>	<b>0</b>	<b>5,391</b>				
Conservation Crop Rotation (ac.) 328		5,108	4,852	0	4,852	4	2	2	
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	
<b>Total Acreage at Progressive Level</b>		<b>90,800</b>	<b>86,260</b>	<b>170</b>	<b>86,430</b>				
Conservation Crop Rotation (ac.) 328		81,720	77,787	0	77,787	4	2	2	
Irrigation Land Leveling (ac.) 464		81,720	77,634	153	77,787	1	4	2	
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic (f		2,724,000	2,587,800	5,108	2,592,908	0	3	1	
Residue and Tillage Management, Mulch Till (ac.) 345		81,720	77,634	153	77,787	0	0	0	
Residue and Tillage Management, Ridge Till (ac.) 346		4,540	4,313	9	4,322	0	0	0	
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>3</b>	<b>4</b>	<b>4</b>	<b>5</b>	
<b>Total Acreage at RMS Level</b>		<b>17,025</b>	<b>17,025</b>	<b>4,654</b>	<b>21,679</b>				
Conservation Crop Rotation (ac.) 328		15,323	19,511	0	19,511	4	2	2	
Filter Strip (ac.) 393		170	170	47	217	3	0	5	
Irrigation Land Leveling (ac.) 464		15,323	19,409	102	19,511	1	4	2	
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic (f		510,750	646,950	3,405	650,355	0	3	1	
Irrigation Water Management (ac.) 449		15,323	15,323	4,188	19,511	0	3	3	
Nutrient Management (ac.) 590		15,323	15,323	4,188	19,511	0	0	5	
Pest Management (ac.) 595		15,323	15,323	4,188	19,511	0	1	0	
Residue and Tillage Management, Mulch Till (ac.) 345		15,323	19,409	102	19,511	0	0	0	
Residue and Tillage Management, Ridge Till (ac.) 346		851	1,078	6	1,084	0	0	0	
Upland Wildlife Habitat Management (ac.) 645		1,362	1,362	372	1,734	3	0	0	

WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107				LANDUSE ACRES		113,500	
LANDUSE TYPE		CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		50	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		5%	
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
<b>Progressive System Acres Treated</b>		<b>170</b>							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Irrigation Land Leveling (ac.) 464		153	\$14,645	\$0	\$2,929	\$17,574	\$14,645	\$879	\$18,347
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic		5,108	\$111,905	\$0	\$22,381	\$134,286	\$111,905	\$4,476	\$130,761
Residue and Tillage Management, Mulch Till (ac.) 345		153	\$0	\$4,597	\$919	\$5,015	\$0	\$1,532	\$2,359
Residue and Tillage Management, Ridge Till (ac.) 346		9	\$0	\$383	\$77	\$418	\$0	\$128	\$197
<b>Subtotal</b>			<b>\$126,551</b>	<b>\$4,980</b>	<b>\$26,306</b>	<b>\$157,294</b>	<b>\$126,551</b>	<b>\$7,015</b>	<b>\$151,663</b>
<b>Resource Management System (RMS) Acres Treated</b>		<b>4,654</b>							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Filter Strip (ac.) 393		47	\$1,629	\$0	\$326	\$1,954	\$1,629	\$98	\$2,040
Irrigation Land Leveling (ac.) 464		102	\$9,763	\$0	\$1,953	\$11,716	\$9,763	\$586	\$12,231
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic		3,405	\$74,604	\$0	\$14,921	\$89,524	\$74,604	\$2,984	\$87,174
Irrigation Water Management (ac.) 449		4,188	\$0	\$125,645	\$25,129	\$137,079	\$0	\$41,882	\$64,470
Nutrient Management (ac.) 590		4,188	\$0	\$159,192	\$31,838	\$173,679	\$0	\$53,064	\$81,684
Pest Management (ac.) 595		4,188	\$0	\$268,125	\$53,625	\$292,526	\$0	\$89,375	\$137,580
Residue and Tillage Management, Mulch Till (ac.) 345		102	\$0	\$3,065	\$613	\$3,343	\$0	\$1,022	\$1,572
Residue and Tillage Management, Ridge Till (ac.) 346		6	\$0	\$255	\$51	\$279	\$0	\$85	\$131
Upland Wildlife Habitat Management (ac.) 645		372	\$0	\$16,753	\$3,351	\$18,277	\$0	\$5,584	\$8,596
<b>Subtotal</b>			<b>\$85,996</b>	<b>\$573,034</b>	<b>\$131,806</b>	<b>\$728,377</b>	<b>\$85,996</b>	<b>\$194,679</b>	<b>\$395,479</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>0</b>	<b>\$212,546</b>	<b>\$578,014</b>	<b>\$158,112</b>	<b>\$885,671</b>	<b>\$212,546</b>	<b>\$201,694</b>	<b>\$547,142</b>

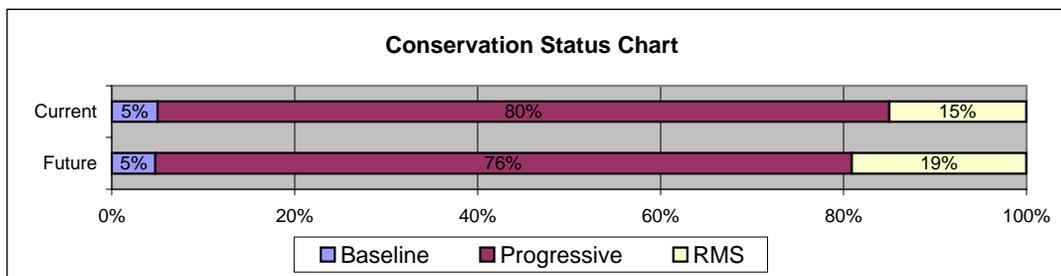


Chart Refers To	
Landuse Type	CULTIVATED CROPLAND
Estimated Participation Rate	5%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$924	\$891
RMS	\$157	\$85

Estimated FTE per Year	0.3
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WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107						LANDUSE ACRES			113,500
LANDUSE TYPE		CULTIVATED CROPLAND						TYPICAL UNIT SIZE ACRES			50
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			5%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
<b>Progressive System Acres Treated</b>		<b>170</b>									
Conservation Crop Rotation (ac.) 328		0	X	X							
Irrigation Land Leveling (ac.) 464		153	X	X							
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic (		5,108	X	X							
Residue and Tillage Management, Mulch Till (ac.) 345		153	X								
Residue and Tillage Management, Ridge Till (ac.) 346		9	X								
<b>Resource Management System (RMS) Acres Treated</b>		<b>4,654</b>									
Conservation Crop Rotation (ac.) 328		0	X	X							
Filter Strip (ac.) 393		47	X				X				
Irrigation Land Leveling (ac.) 464		102	X	X							
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic (		3,405	X	X							
Irrigation Water Management (ac.) 449		4,188	X	X							
Nutrient Management (ac.) 590		4,188	X	X							
Pest Management (ac.) 595		4,188	X	X							
Residue and Tillage Management, Mulch Till (ac.) 345		102	X								
Residue and Tillage Management, Ridge Till (ac.) 346		6	X								
Upland Wildlife Habitat Management (ac.) 645		372	X	X							

WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107				LANDUSE ACRES		113,500	
LANDUSE TYPE		CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		50	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		5%	
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	Water Quantity – Inefficient Water Use on Irrigated Land	Water Quantity – Excessive Nutrients and Organics in Groundwater	Water Quantity – Excessive Nutrients and Organics in Surface Water
<b>Baseline System</b>		System Rating ->				2	1	1	1
Total Acreage at Baseline Level		5,675	5,391	0	5,391				
Conservation Crop Rotation (ac.) 328		5,108	4,852	0	4,852	4	2	2	2
<b>Progressive System</b>		System Rating ->				2	3	1	2
Total Acreage at Progressive Level		90,800	86,260	170	86,430				
Conservation Crop Rotation (ac.) 328		81,720	77,787	0	77,787	4	2	2	2
Irrigation Land Leveling (ac.) 464		81,720	77,634	153	77,787	1	4	2	2
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic (		2,724,000	2,587,800	5,108	2,592,908	0	3	0	1
Residue and Tillage Management, Mulch Till (ac.) 345		81,720	77,634	153	77,787	0	0	0	0
Residue and Tillage Management, Ridge Till (ac.) 346		4,540	4,313	9	4,322	0	0	0	0
<b>Resource Management System (RMS)</b>		System Rating ->				3	4	4	5
Total Acreage at RMS Level		17,025	17,025	4,654	21,679				
Conservation Crop Rotation (ac.) 328		15,323	19,511	0	19,511	4	2	2	2
Filter Strip (ac.) 393		170	170	47	217	3	0	3	5
Irrigation Land Leveling (ac.) 464		15,323	19,409	102	19,511	1	4	2	2
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic (		510,750	646,950	3,405	650,355	0	3	0	1
Irrigation Water Management (ac.) 449		15,323	15,323	4,188	19,511	0	3	3	3
Nutrient Management (ac.) 590		15,323	15,323	4,188	19,511	0	0	5	5
Pest Management (ac.) 595		15,323	15,323	4,188	19,511	0	1	0	0
Residue and Tillage Management, Mulch Till (ac.) 345		15,323	19,409	102	19,511	0	0	0	0
Residue and Tillage Management, Ridge Till (ac.) 346		851	1,078	6	1,084	0	0	0	0
Upland Wildlife Habitat Management (ac.) 645		1,362	1,362	372	1,734	3	0	0	0
<b>CONSERVATION INVESTMENT INFORMATION</b>									
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
<b>Progressive System Acres Treated</b>		170.25							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Irrigation Land Leveling (ac.) 464		153	\$14,645	\$0	\$2,929	\$17,574	\$14,645	\$879	\$18,347
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic		5,108	\$111,905	\$0	\$22,381	\$134,286	\$111,905	\$4,476	\$130,761
Residue and Tillage Management, Mulch Till (ac.) 345		153	\$0	\$4,597	\$919	\$5,015	\$0	\$1,532	\$2,359
Residue and Tillage Management, Ridge Till (ac.) 346		9	\$0	\$383	\$77	\$418	\$0	\$128	\$197
<b>Subtotal</b>			\$126,551	\$4,980	\$26,306	\$157,294	\$126,551	\$7,015	\$151,663
<b>Resource Management System (RMS) Acres Treated</b>		4653.5							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Filter Strip (ac.) 393		47	\$1,629	\$0	\$326	\$1,954	\$1,629	\$98	\$2,040
Irrigation Land Leveling (ac.) 464		102	\$9,763	\$0	\$1,953	\$11,716	\$9,763	\$586	\$12,231
Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic		3,405	\$74,604	\$0	\$14,921	\$89,524	\$74,604	\$2,984	\$87,174
Irrigation Water Management (ac.) 449		4,188	\$0	\$125,645	\$25,129	\$137,079	\$0	\$41,882	\$64,470
Nutrient Management (ac.) 590		4,188	\$0	\$159,192	\$31,838	\$173,679	\$0	\$53,064	\$81,684
Pest Management (ac.) 595		4,188	\$0	\$268,125	\$53,625	\$292,526	\$0	\$89,375	\$137,580
Residue and Tillage Management, Mulch Till (ac.) 345		102	\$0	\$3,065	\$613	\$3,343	\$0	\$1,022	\$1,572
Residue and Tillage Management, Ridge Till (ac.) 346		6	\$0	\$255	\$51	\$279	\$0	\$85	\$131
Upland Wildlife Habitat Management (ac.) 645		372	\$0	\$16,753	\$3,351	\$18,277	\$0	\$5,584	\$8,596
<b>Subtotal</b>			\$85,996	\$573,034	\$131,806	\$728,377	\$85,996	\$194,679	\$395,479
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		4823.75	\$212,546	\$578,014	\$158,112	\$885,671	\$212,546	\$201,694	\$547,142

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="Whitewater River"/>	Watershed Code	<input type="text" value="07140107"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Non-Cultivated Cropland"/>	Landuse Acres	<input type="text" value="91,700"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="30"/>	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>	<b>COMPARE</b>	<input type="text" value="6%"/>	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%	73,360	Baseline	95%	69,692	Baseline	76%	69,692	69,692	0
			Progressive	3%	2,201					
			RMS	2%	1,467					
			<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%	13,755	Progressive	90%	12,380	Progressive	16%	14,580	12,380	2,201
			RMS	10%	1,376					
			<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%	4,585	RMS	100%	4,585	RMS	8%	7,428	4,585	2,843
<b>Grand Totals</b>	<b>100%</b>	<b>91,700</b>					<b>100%</b>	<b>91,700</b>	<b>86,657</b>	<b>5,044</b>



# 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
314	0.0%	x 75.0%	x 75.0%	PERCENT of TU	Brush Management (ac.) 314
511	0.0%	0.0%	x 100.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	x 50.0%	x 100.0%	x 100.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
595	0.0%	0.0%	x 75.0%	PERCENT of TU	Pest Management (ac.) 595
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
607	2,640	1,320	1,320	FEET per TU	Surface Drainage, Field Ditch (ft.) 607
644	50.0%	50.0%	50.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644
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
316	1	1	1	NUMBER per TU	Animal Mortality Facility (no.) 316
330	100.0%	100.0%	100.0%	PERCENT of TU	Contour Farming (ac.) 330
342	5.0%	5.0%	5.0%	PERCENT of TU	Critical Area Planting (ac.) 342

Help

WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107			LANDUSE ACRES		91,700		
LANDUSE TYPE		NON-CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		30		
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	Soil Condition – Organic Matter Depletion	Soil Condition – Compaction	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	
<b>Total Acreage at Baseline Level</b>		<b>73,360</b>	<b>69,692</b>	<b>0</b>	<b>69,692</b>				
Pasture and Hay Planting (ac.) 512		36,680	34,846	0	34,846	4	4	5	
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>3</b>	<b>2</b>	<b>4</b>	<b>4</b>	
<b>Total Acreage at Progressive Level</b>		<b>13,755</b>	<b>12,380</b>	<b>2,201</b>	<b>14,580</b>				
Brush Management (ac.) 314		10,316	9,285	1,651	10,935	3	-1	3	
Pasture and Hay Planting (ac.) 512		13,755	13,480	1,100	14,580	4	4	5	
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>3</b>	<b>3</b>	<b>5</b>	<b>4</b>	
<b>Total Acreage at RMS Level</b>		<b>4,585</b>	<b>4,585</b>	<b>2,843</b>	<b>7,428</b>				
Brush Management (ac.) 314		3,439	4,470	1,100	5,571	3	-1	3	
Forage Harvest Management (ac.) 511		4,585	4,585	2,843	7,428	1	4	4	
Pasture and Hay Planting (ac.) 512		4,585	6,694	734	7,428	4	4	5	
Pest Management (ac.) 595		3,439	3,439	2,132	5,571	2	2	5	

WATERSHED NAME & CODE		WHITewater RIVER - 07140107				LANDUSE ACRES		91,700		
LANDUSE TYPE		NON-CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		30		
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		6%		
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			2,201							
Brush Management (ac.) 314			1,651	\$73,196	\$0	\$14,639	\$87,835	\$73,196	\$1,464	\$79,362
Pasture and Hay Planting (ac.) 512			1,100	\$74,360	\$0	\$14,872	\$89,231	\$74,360	\$2,974	\$86,889
<b>Subtotal</b>				<b>\$147,555</b>	<b>\$0</b>	<b>\$29,511</b>	<b>\$177,066</b>	<b>\$147,555</b>	<b>\$4,438</b>	<b>\$166,251</b>
Resource Management System (RMS) Acres Treated			2,843							
Brush Management (ac.) 314			1,100	\$48,797	\$0	\$9,759	\$58,557	\$48,797	\$976	\$52,908
Forage Harvest Management (ac.) 511			2,843	\$11,371	\$0	\$2,274	\$13,645	\$11,371	\$3,411	\$25,740
Pasture and Hay Planting (ac.) 512			734	\$49,573	\$0	\$9,915	\$59,488	\$49,573	\$1,983	\$57,926
Pest Management (ac.) 595			2,132	\$0	\$136,492	\$27,298	\$148,914	\$0	\$45,497	\$70,037
<b>Subtotal</b>				<b>\$109,741</b>	<b>\$136,492</b>	<b>\$49,247</b>	<b>\$280,603</b>	<b>\$109,741</b>	<b>\$51,868</b>	<b>\$206,611</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>			<b>2751</b>	<b>\$257,296</b>	<b>\$136,492</b>	<b>\$78,758</b>	<b>\$457,669</b>	<b>\$257,296</b>	<b>\$56,306</b>	<b>\$372,862</b>

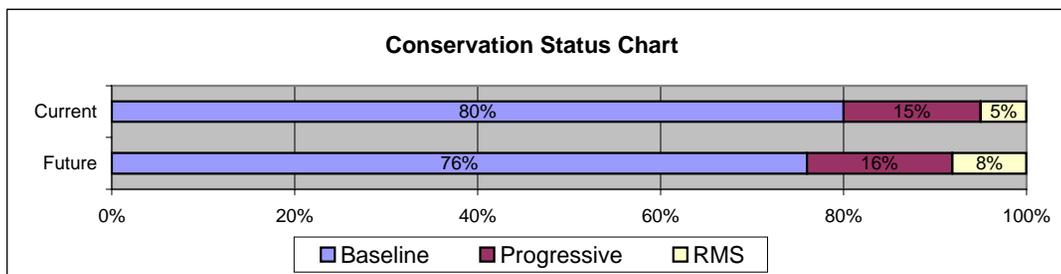


Chart Refers To	
Landuse Type	NON-CULTIVATED CROPLAND
Estimated Participation Rate	6%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$80	\$76
RMS	\$99	\$73

Estimated FTE per Year	0.2
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WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107						LANDUSE ACRES			91,700	
LANDUSE TYPE		NON-CULTIVATED CROPLAND						TYPICAL UNIT SIZE ACRES			30	
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION				6%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS	
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/CREP	Fed	State		District
<b>Progressive System Acres Treated</b>		<b>2,201</b>										
Brush Management (ac.) 314		1,651	X	X								
Pasture and Hay Planting (ac.) 512		1,100	X	X								
<b>Resource Management System (RMS) Acres Treated</b>		<b>2,843</b>										
Brush Management (ac.) 314		1,100	X	X								
Forage Harvest Management (ac.) 511		2,843	X									
Pasture and Hay Planting (ac.) 512		734	X	X								
Pest Management (ac.) 595		2,132	X	X								

WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107			LANDUSE ACRES		91,700		
LANDUSE TYPE		NON-CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		30		
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	Soil Condition – Organic Matter Depletion	Soil Condition – Compaction	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability
<b>Baseline System</b>		System Rating ->			2	2	3	3	
Total Acreage at Baseline Level		73,360	69,692	0	69,692				
Pasture and Hay Planting (ac.) 512		36,680	34,846	0	34,846	4	4	5	
<b>Progressive System</b>		System Rating ->			3	2	4	4	
Total Acreage at Progressive Level		13,755	12,380	2,201	14,580				
Brush Management (ac.) 314		10,316	9,285	1,651	10,935	3	-1	3	
Pasture and Hay Planting (ac.) 512		13,755	13,480	1,100	14,580	4	4	5	
<b>Resource Management System (RMS)</b>		System Rating ->			3	3	5	4	
Total Acreage at RMS Level		4,585	4,585	2,843	7,428				
Brush Management (ac.) 314		3,439	4,470	1,100	5,571	3	-1	3	
Forage Harvest Management (ac.) 511		4,585	4,585	2,843	7,428	1	4	4	
Pasture and Hay Planting (ac.) 512		4,585	6,694	734	7,428	4	4	5	
Pest Management (ac.) 595		3,439	3,439	2,132	5,571	2	2	5	
<b>CONSERVATION INVESTMENT INFORMATION</b>									
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
<b>Progressive System Acres Treated</b>		2200.8							
Brush Management (ac.) 314		1,651	\$73,196	\$0	\$14,639	\$87,835	\$73,196	\$1,464	
Pasture and Hay Planting (ac.) 512		1,100	\$74,360	\$0	\$14,872	\$89,231	\$74,360	\$2,974	
<b>Subtotal</b>			\$147,555	\$0	\$29,511	\$177,066	\$147,555	\$4,438	
<b>Resource Management System (RMS) Acres Treated</b>		2842.7							
Brush Management (ac.) 314		1,100	\$48,797	\$0	\$9,759	\$58,557	\$48,797	\$976	
Forage Harvest Management (ac.) 511		2,843	\$11,371	\$0	\$2,274	\$13,645	\$11,371	\$3,411	
Pasture and Hay Planting (ac.) 512		734	\$49,573	\$0	\$9,915	\$59,488	\$49,573	\$1,983	
Pest Management (ac.) 595		2,132	\$0	\$136,492	\$27,298	\$148,914	\$0	\$45,497	
<b>Subtotal</b>			\$109,741	\$136,492	\$49,247	\$280,603	\$109,741	\$51,868	
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		5043.5	\$257,296	\$136,492	\$78,758	\$457,669	\$257,296	\$56,306	

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="Whitewater River"/>	Watershed Code	<input type="text" value="07140107"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Developed Land"/>	Landuse Acres	<input type="text" value="30,100"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="1"/>	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>	<input type="text" value=""/>	<b>COMPARE</b>	<input type="text" value="2%"/>	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	95%	28,595	Baseline	98%	28,023	Baseline	93%	28,023	28,023	0
			Progressive	1%	286					
			RMS	1%	286					
			<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	4%	1,204	Progressive	99%	1,192	Progressive	5%	1,478	1,192	286
			RMS	1%	12					
			<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	1%	301	RMS	100%	301	RMS	2%	599	301	298
<b>Grand Totals</b>	<b>100%</b>	<b>30,100</b>					<b>100%</b>	<b>30,100</b>	<b>29,516</b>	<b>584</b>



# 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)



Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
380	0	0	x 200	FEET per TU	Windbreak/Shelterbreak Establishment (ft.) 380
560	x 100	x 100	x 100	FEET per TU	Access Road (ft.) 560
561	0.0%	0.0%	x 1.0%	PERCENT of TU	Heavy Use Area Protection (ac.) 561
590	0.0%	x 25.0%	x 25.0%	PERCENT of TU	Nutrient Management (ac.) 590
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
595	100.0%	100.0%	100.0%	PERCENT of TU	Pest Management (ac.) 595
607	2,640	1,320	1,320	FEET per TU	Surface Drainage, Field Ditch (ft.) 607
644	50.0%	50.0%	50.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644
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
330	100.0%	100.0%	100.0%	PERCENT of TU	Contour Farming (ac.) 330



WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107			LANDUSE ACRES		30,100		
LANDUSE TYPE		DEVELOPED LAND			TYPICAL UNIT SIZE ACRES		1		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		2%		
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 – Road, Roadsides and Construction Sites	Water Quality – Excessive Nutrients and Organics in	Water Quality – Excessive Nutrients and Organics in
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Total Acreage at Baseline Level</b>		<b>28,595</b>	<b>28,023</b>	<b>0</b>	<b>28,023</b>				
Access Road (ft.) 560		2,859,500	2,802,310	0	2,802,310	0	1	0	0
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	
<b>Total Acreage at Progressive Level</b>		<b>1,204</b>	<b>1,192</b>	<b>286</b>	<b>1,478</b>				
Access Road (ft.) 560		120,400	147,791	0	147,791	0	1	0	0
Nutrient Management (ac.) 590		301	298	71	369	0	0	5	5
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>	
<b>Total Acreage at RMS Level</b>		<b>301</b>	<b>301</b>	<b>298</b>	<b>599</b>				
Access Road (ft.) 560		30,100	59,899	0	59,899	0	1	0	0
Heavy Use Area Protection (ac.) 561		3	3	3	6	3	3	0	1
Nutrient Management (ac.) 590		75	78	71	150	0	0	5	5
Windbreak/Shelterbelt Establishment (ft.) 380		60,200	60,200	59,598	119,798	3	0	2	1

WATERSHED NAME & CODE		WHITewater RIVER - 07140107				LANDUSE ACRES		30,100	
LANDUSE TYPE		DEVELOPED LAND				TYPICAL UNIT SIZE ACRES		1	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		2%	
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	
<b>Progressive System Acres Treated</b>	<b>286</b>								
Access Road (ft.) 560	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Nutrient Management (ac.) 590	71	\$0	\$2,717	\$543	\$2,965	\$0	\$906	\$1,394	
<b>Subtotal</b>		<b>\$0</b>	<b>\$2,717</b>	<b>\$543</b>	<b>\$2,965</b>	<b>\$0</b>	<b>\$906</b>	<b>\$1,394</b>	
<b>Resource Management System (RMS) Acres Treated</b>	<b>298</b>								
Access Road (ft.) 560	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Heavy Use Area Protection (ac.) 561	3	\$77,811	\$0	\$15,562	\$93,373	\$77,811	\$7,781	\$110,587	
Nutrient Management (ac.) 590	71	\$0	\$2,717	\$543	\$2,965	\$0	\$906	\$1,394	
Windbreak/Shelterbelt Establishment (ft.) 380	59,598	\$13,410	\$0	\$2,682	\$16,091	\$13,410	\$536	\$15,669	
<b>Subtotal</b>		<b>\$91,220</b>	<b>\$2,717</b>	<b>\$18,787</b>	<b>\$112,429</b>	<b>\$91,220</b>	<b>\$9,223</b>	<b>\$127,650</b>	
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>	<b>0</b>	<b>\$91,220</b>	<b>\$5,434</b>	<b>\$19,331</b>	<b>\$115,393</b>	<b>\$91,220</b>	<b>\$10,129</b>	<b>\$129,045</b>	

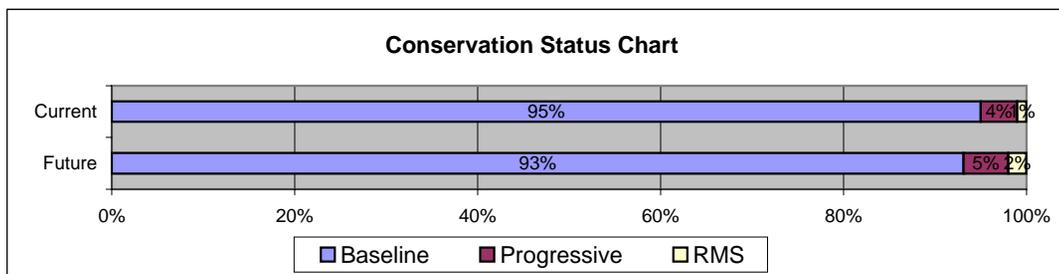


Chart Refers To	
Landuse Type	DEVELOPED LAND
Estimated Participation Rate	2%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$10	\$5
RMS	\$377	\$428

Estimated FTE per Year	0.0
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WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107						LANDUSE ACRES			30,100
LANDUSE TYPE		DEVELOPED LAND						TYPICAL UNIT SIZE ACRES			1
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			2%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS	FUTURE	USDA INVESTMENT						OTHERS			NOTES/COMMENTS
	New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	District	
<b>Progressive System Acres Treated</b>	<b>286</b>										
Access Road (ft.) 560	0	X									
Nutrient Management (ac.) 590	71	X	X								
<b>Resource Management System (RMS) Acres Treated</b>	<b>298</b>										
Access Road (ft.) 560	0	X									
Heavy Use Area Protection (ac.) 561	3	X	X								
Nutrient Management (ac.) 590	71	X	X								
Windbreak/Shelterbelt Establishment (ft.) 380	59,598	X	X								

WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107			LANDUSE ACRES		30,100		
LANDUSE TYPE		DEVELOPED LAND			TYPICAL UNIT SIZE ACRES		1		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		2%		
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 – Road, Roadsides and Construction Sites	Water Quality – Excessive Nutrients and Organics in Groundwater	Water Quality – Excessive Nutrients and Organics in Surface Water
<b>Baseline System</b>		System Rating ->			0	0	0	0	
Total Acreage at Baseline Level		28,595	28,023	0	28,023				
Access Road (ft.) 560		2,859,500	2,802,310	0	2,802,310	0	1	0	
<b>Progressive System</b>		System Rating ->			0	0	3	3	
Total Acreage at Progressive Level		1,204	1,192	286	1,478				
Access Road (ft.) 560		120,400	147,791	0	147,791	0	1	0	
Nutrient Management (ac.) 590		301	298	71	369	0	0	5	
<b>Resource Management System (RMS)</b>		System Rating ->			2	1	3	3	
Total Acreage at RMS Level		301	301	298	599				
Access Road (ft.) 560		30,100	59,899	0	59,899	0	1	0	
Heavy Use Area Protection (ac.) 561		3	3	3	6	3	3	0	
Nutrient Management (ac.) 590		75	78	71	150	0	0	5	
Windbreak/Shelterbelt Establishment (ft.) 380		60,200	60,200	59,598	119,798	3	0	2	
<b>CONSERVATION INVESTMENT INFORMATION</b>									
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
<b>Progressive System Acres Treated</b>		285.95							
Access Road (ft.) 560		0	\$0	\$0	\$0	\$0	\$0	\$0	
Nutrient Management (ac.) 590		71	\$0	\$2,717	\$543	\$2,965	\$0	\$906	
<b>Subtotal</b>			\$0	\$2,717	\$543	\$2,965	\$0	\$906	
<b>Resource Management System (RMS) Acres Treated</b>		297.99							
Access Road (ft.) 560		0	\$0	\$0	\$0	\$0	\$0	\$0	
Heavy Use Area Protection (ac.) 561		3	\$77,811	\$0	\$15,562	\$93,373	\$77,811	\$110,587	
Nutrient Management (ac.) 590		71	\$0	\$2,717	\$543	\$2,965	\$0	\$906	
Windbreak/Shelterbelt Establishment (ft.) 380		59,598	\$13,410	\$0	\$2,682	\$16,091	\$13,410	\$536	
<b>Subtotal</b>			\$91,220	\$2,717	\$18,787	\$112,429	\$91,220	\$9,223	
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		583.94	\$91,220	\$5,434	\$19,331	\$115,393	\$91,220	\$10,129	

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="Whitewater River"/>	Watershed Code	<input type="text" value="07140107"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Pastureland"/>	Landuse Acres	<input type="text" value="136,900"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="30"/>	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>	<b>COMPARE</b>	<input type="text" value="6%"/>	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%	109,520	Baseline	95%	104,044	Baseline	76%	104,044	104,044	0
			Progressive	3%	3,286					
			RMS	2%	2,190					
			<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%	20,535	Progressive	90%	18,482	Progressive	16%	21,767	18,482	3,286
			RMS	10%	2,054					
			<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%	6,845	RMS	100%	6,845	RMS	8%	11,089	6,845	4,244
<b>Grand Totals</b>	<b>100%</b>	<b>136,900</b>					<b>100%</b>	<b>136,900</b>	<b>129,371</b>	<b>7,530</b>

# DOCUMENTATION SECTION

Use an "x" to place conservation practices in each treatment level. Click the "Next" Button to move forward.		Conservation Treatment Levels		
Practices from CPPE Tool Output	Code	Base	Prog	RMS
Brush Management (ac.) 314	314			X
Fence (ft.) 382	382	X	X	X
Forage Harvest Management (ac.) 511	511			X
Heavy Use Area Protection (ac.) 561	561		X	X
Pasture and Hay Planting (ac.) 512	512		X	X
Pipeline (ft.) 516	516		X	X
Prescribed Grazing (ac.) 528	528		X	X
Water Well (no.) 642	642			X
Watering Facility (no.) 614	614	X	X	X



# 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
314	0.0%	0.0%	x 75.0%	PERCENT of TU	Brush Management (ac.) 314
382	x 2,500	x 5,000	x 10,000	FEET per TU	Fence (ft.) 382
511	0.0%	0.0%	x 25.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
516	0	x 2,000	x 3,000	FEET per TU	Pipeline (ft.) 516
528	0.0%	x 75.0%	x 100.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
561	0.0%	x 1.0%	x 1.0%	PERCENT of TU	Heavy Use Area Protection (ac.) 561
614	x 1	x 2	x 4	NUMBER per TU	Watering Facility (no.) 614
642	0	0	x 1	NUMBER per TU	Water Well (no.) 642
574	0	1	1	NUMBER per TU	Spring Development (no.) 574
590	0.0%	0.0%	100.0%	PERCENT of TU	Nutrient Management (ac.) 590
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
595	100.0%	100.0%	100.0%	PERCENT of TU	Pest Management (ac.) 595

Help

WATERSHED NAME & CODE		WHITewater RIVER - 07140107			LANDUSE ACRES		136,900		
LANDUSE TYPE		PASTURELAND			TYPICAL UNIT SIZE ACRES		30		
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	Soil Erosion – Sheet and Rill	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability	Domestic Animals – Inadequate Stock Water
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	
<b>Total Acreage at Baseline Level</b>		<b>109,520</b>	<b>104,044</b>	<b>0</b>	<b>104,044</b>				
Fence (ft.) 382		9,126,667	8,670,333	0	8,670,333	0	0	0	
Watering Facility (no.) 614		3,651	3,468	0	3,468	2	2	5	
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>5</b>	<b>4</b>	<b>4</b>	
<b>Total Acreage at Progressive Level</b>		<b>20,535</b>	<b>18,482</b>	<b>3,286</b>	<b>21,767</b>				
Fence (ft.) 382		3,422,500	3,354,050	273,800	3,627,850	0	0	0	
Heavy Use Area Protection (ac.) 561		205	185	33	218	3	3	0	
Pasture and Hay Planting (ac.) 512		20,535	18,482	3,286	21,767	4	5	0	
Pipeline (ft.) 516		1,369,000	1,232,100	219,040	1,451,140	0	2	5	
Prescribed Grazing (ac.) 528		15,401	13,861	2,464	16,325	4	5	0	
Watering Facility (no.) 614		1,369	1,342	110	1,451	2	2	5	
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>5</b>	<b>4</b>	<b>5</b>	
<b>Total Acreage at RMS Level</b>		<b>6,845</b>	<b>6,845</b>	<b>4,244</b>	<b>11,089</b>				
Brush Management (ac.) 314		5,134	5,134	3,183	8,317	3	3	0	
Fence (ft.) 382		2,281,667	2,806,450	889,850	3,696,300	0	0	0	
Forage Harvest Management (ac.) 511		1,711	1,711	1,061	2,772	3	4	0	
Heavy Use Area Protection (ac.) 561		68	89	22	111	3	3	0	
Pasture and Hay Planting (ac.) 512		6,845	8,899	2,190	11,089	4	5	0	
Pipeline (ft.) 516		684,500	821,400	287,490	1,108,890	0	2	5	
Prescribed Grazing (ac.) 528		6,845	8,385	2,704	11,089	4	5	0	
Water Well (no.) 642		228	228	141	370	2	1	5	
Watering Facility (no.) 614		913	1,123	356	1,479	2	2	5	

Watershed Name & Code	WHITEWATER RIVER - 07140107		Landuse Acres	136,900				
Landuse Type	PASTURELAND		Typical Unit Size Acres	30				
Conservation Investment Information			Estimated Participation	6%				
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
<b>Progressive System Acres Treated</b>	<b>3,286</b>							
Fence (ft.) 382	273,800	\$199,874	\$0	\$39,975	\$239,849	\$199,874	\$19,987	\$284,068
Heavy Use Area Protection (ac.) 561	33	\$857,929	\$0	\$171,586	\$1,029,515	\$857,929	\$85,793	\$1,219,320
Pasture and Hay Planting (ac.) 512	3,286	\$222,024	\$0	\$44,405	\$266,429	\$222,024	\$8,881	\$259,434
Pipeline (ft.) 516	219,040	\$235,468	\$0	\$47,094	\$282,562	\$235,468	\$0	\$235,468
Prescribed Grazing (ac.) 528	2,464	\$10,842	\$0	\$2,168	\$13,011	\$10,842	\$0	\$10,842
Watering Facility (no.) 614	110	\$49,742	\$0	\$9,948	\$59,691	\$49,742	\$1,990	\$58,124
<b>Subtotal</b>		<b>\$1,575,881</b>	<b>\$0</b>	<b>\$315,176</b>	<b>\$1,891,057</b>	<b>\$1,575,881</b>	<b>\$116,651</b>	<b>\$2,067,257</b>
<b>Resource Management System (RMS) Acres Treated</b>	<b>4,244</b>							
Brush Management (ac.) 314	3,183	\$141,147	\$0	\$28,229	\$169,376	\$141,147	\$2,823	\$153,038
Fence (ft.) 382	889,850	\$649,591	\$0	\$129,918	\$779,509	\$649,591	\$64,959	\$923,222
Forage Harvest Management (ac.) 511	1,061	\$4,244	\$0	\$849	\$5,093	\$4,244	\$1,273	\$9,607
Heavy Use Area Protection (ac.) 561	22	\$571,953	\$0	\$114,391	\$686,343	\$571,953	\$57,195	\$812,880
Pasture and Hay Planting (ac.) 512	2,190	\$148,016	\$0	\$29,603	\$177,620	\$148,016	\$5,921	\$172,956
Pipeline (ft.) 516	287,490	\$309,052	\$0	\$61,810	\$370,862	\$309,052	\$0	\$309,052
Prescribed Grazing (ac.) 528	2,704	\$11,897	\$0	\$2,379	\$14,276	\$11,897	\$0	\$11,897
Water Well (no.) 642	141	\$211,604	\$0	\$42,321	\$253,924	\$211,604	\$8,464	\$247,258
Watering Facility (no.) 614	356	\$161,663	\$0	\$32,333	\$193,995	\$161,663	\$6,467	\$188,902
<b>Subtotal</b>		<b>\$2,209,165</b>	<b>\$0</b>	<b>\$441,833</b>	<b>\$2,650,998</b>	<b>\$2,209,165</b>	<b>\$147,102</b>	<b>\$2,828,811</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>	<b>276982.925</b>	<b>\$3,785,046</b>	<b>\$0</b>	<b>\$757,009</b>	<b>\$4,542,055</b>	<b>\$3,785,046</b>	<b>\$263,753</b>	<b>\$4,896,068</b>

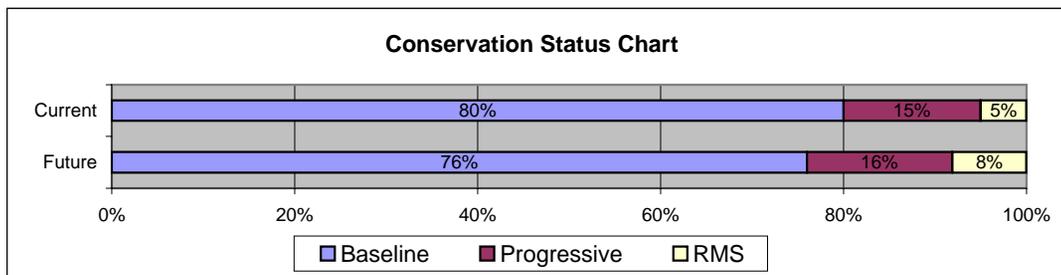


Chart Refers To	
Landuse Type	PASTURELAND
Estimated Participation Rate	6%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$576	\$629
RMS	\$625	\$667

Estimated FTE per Year	1.5
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WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107						LANDUSE ACRES			136,900	
LANDUSE TYPE		PASTURELAND						TYPICAL UNIT SIZE ACRES			30	
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			6%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS	
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State		District
<b>Progressive System Acres Treated</b>		<b>3,286</b>										
Fence (ft.) 382	273,800	X	X									
Heavy Use Area Protection (ac.) 561	33	X	X									
Pasture and Hay Planting (ac.) 512	3,286	X	X									
Pipeline (ft.) 516	219,040	X	X									
Prescribed Grazing (ac.) 528	2,464	X	X									
Watering Facility (no.) 614	110	X	X									
<b>Resource Management System (RMS) Acres Treated</b>		<b>4,244</b>										
Brush Management (ac.) 314	3,183	X	X									
Fence (ft.) 382	889,850	X	X									
Forage Harvest Management (ac.) 511	1,061	X										
Heavy Use Area Protection (ac.) 561	22	X	X									
Pasture and Hay Planting (ac.) 512	2,190	X	X									
Pipeline (ft.) 516	287,490	X	X									
Prescribed Grazing (ac.) 528	2,704	X	X									
Water Well (no.) 642	141	X	X									
Watering Facility (no.) 614	356	X	X									

WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107				LANDUSE ACRES		136,900	
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		30	
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	Soil Erosion – Sheet and Rill	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability	Domestic Animals – Inadequate Stock Water
<b>Baseline System</b>		System Rating ->				1	1	0	3
Total Acreage at Baseline Level		109,520	104,044	0	104,044				
Fence (ft.) 382		9,126,667	8,670,333	0	8,670,333	0	0	0	0
Watering Facility (no.) 614		3,651	3,468	0	3,468	2	2	0	5
<b>Progressive System</b>		System Rating ->				4	5	4	4
Total Acreage at Progressive Level		20,535	18,482	3,286	21,767				
Fence (ft.) 382		3,422,500	3,354,050	273,800	3,627,850	0	0	0	0
Heavy Use Area Protection (ac.) 561		205	185	33	218	3	3	0	0
Pasture and Hay Planting (ac.) 512		20,535	18,482	3,286	21,767	4	5	5	0
Pipeline (ft.) 516		1,369,000	1,232,100	219,040	1,451,140	0	2	0	5
Prescribed Grazing (ac.) 528		15,401	13,861	2,464	16,325	4	5	4	0
Watering Facility (no.) 614		1,369	1,342	110	1,451	2	2	0	5
<b>Resource Management System (RMS)</b>		System Rating ->				4	5	4	5
Total Acreage at RMS Level		6,845	6,845	4,244	11,089				
Brush Management (ac.) 314		5,134	5,134	3,183	8,317	3	3	4	0
Fence (ft.) 382		2,281,667	2,806,450	889,850	3,696,300	0	0	0	0
Forage Harvest Management (ac.) 511		1,711	1,711	1,061	2,772	3	4	4	0
Heavy Use Area Protection (ac.) 561		68	89	22	111	3	3	0	0
Pasture and Hay Planting (ac.) 512		6,845	8,899	2,190	11,089	4	5	5	0
Pipeline (ft.) 516		684,500	821,400	287,490	1,108,990	0	2	0	5
Prescribed Grazing (ac.) 528		6,845	8,385	2,704	11,089	4	5	4	0
Water Well (no.) 642		228	228	141	370	2	1	0	5
Watering Facility (no.) 614		913	1,123	356	1,479	2	2	0	5
<b>CONSERVATION INVESTMENT INFORMATION</b>									
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
<b>Progressive System Acres Treated</b>		3285.6							
Fence (ft.) 382		273,800	\$199,874	\$0	\$39,975	\$239,849	\$199,874	\$19,987	\$284,068
Heavy Use Area Protection (ac.) 561		33	\$857,929	\$0	\$171,586	\$1,029,515	\$857,929	\$85,793	\$1,219,320
Pasture and Hay Planting (ac.) 512		3,286	\$222,024	\$0	\$44,405	\$266,429	\$222,024	\$8,881	\$259,434
Pipeline (ft.) 516		219,040	\$235,468	\$0	\$47,094	\$282,562	\$235,468	\$0	\$235,468
Prescribed Grazing (ac.) 528		2,464	\$10,842	\$0	\$2,168	\$13,011	\$10,842	\$0	\$10,842
Watering Facility (no.) 614		110	\$49,742	\$0	\$9,948	\$59,691	\$49,742	\$1,990	\$58,124
<b>Subtotal</b>			\$1,575,881	\$0	\$315,176	\$1,891,057	\$1,575,881	\$116,651	\$2,067,257
<b>Resource Management System (RMS) Acres Treated</b>		4243.9							
Brush Management (ac.) 314		3,183	\$141,147	\$0	\$28,229	\$169,376	\$141,147	\$2,823	\$153,038
Fence (ft.) 382		889,850	\$649,591	\$0	\$129,918	\$779,509	\$649,591	\$64,959	\$923,222
Forage Harvest Management (ac.) 511		1,061	\$4,244	\$0	\$849	\$5,093	\$4,244	\$1,273	\$9,607
Heavy Use Area Protection (ac.) 561		22	\$571,953	\$0	\$114,391	\$686,343	\$571,953	\$57,195	\$812,880
Pasture and Hay Planting (ac.) 512		2,190	\$148,016	\$0	\$29,603	\$177,620	\$148,016	\$5,921	\$172,956
Pipeline (ft.) 516		287,490	\$309,052	\$0	\$61,810	\$370,862	\$309,052	\$0	\$309,052
Prescribed Grazing (ac.) 528		2,704	\$11,897	\$0	\$2,379	\$14,276	\$11,897	\$0	\$11,897
Water Well (no.) 642		141	\$211,604	\$0	\$42,321	\$253,924	\$211,604	\$8,464	\$247,258
Watering Facility (no.) 614		356	\$181,663	\$0	\$32,333	\$193,995	\$181,663	\$6,467	\$188,902
<b>Subtotal</b>			\$2,209,165	\$0	\$441,833	\$2,650,998	\$2,209,165	\$147,102	\$2,828,811
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		7529.5	\$3,785,046	\$0	\$757,009	\$4,542,055	\$3,785,046	\$263,753	\$4,896,068

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="Whitewater River"/>	Watershed Code	<input type="text" value="07140107"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Forestland"/>	Landuse Acres	<input type="text" value="333,200"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="80"/>	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>	<b>COMPARE</b>	<input type="text" value="7%"/>	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%	266,560	Baseline	93%	247,901	Baseline	74%	247,901	247,901	0
			Progressive	5%	13,328					
			RMS	2%	5,331					
			<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%	49,980	Progressive	95%	47,481	Progressive	18%	60,809	47,481	13,328
			RMS	5%	2,499					
			<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%	16,660	RMS	100%	16,660	RMS	7%	24,490	16,660	7,830
<b>Grand Totals</b>	<b>100%</b>	<b>333,200</b>					<b>100%</b>	<b>333,200</b>	<b>312,042</b>	<b>21,158</b>

# *DOCUMENTATION SECTION*

Use an "x" to place conservation practices in each treatment level. Click the "Next" Button to move forward. <span style="float: right; border: 1px solid black; padding: 2px 5px;">Help</span>		Conservation Treatment Levels		
Practices from CPPE Tool Output	Code	Base	Prog	RMS
Access Road (ft.) 560	560			x
Forest Slash Treatment (ac.) 384	384			x
Forest Stand Improvement (ac.) 666	666	x	x	x
Prescribed Forestry (ac.) 409	409		x	x
Riparian Forest Buffer (ac.) 391	391			x
Tree/Shrub Establishment (ac.) 612	612			x
Tree/Shrub Site Preparation (ac.) 490	490			x
Upland Wildlife Habitat Management (ac.) 645	645		x	x
Use Exclusion (ac.) 472	472			x
Wildlife Watering Facility (no.) 648	648			x

# 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
384	0.0%	0.0%	x 5.0%	PERCENT of TU	Forest Slash Treatment (ac.) 384
391	0.0%	0.0%	x 13.0%	PERCENT of TU	Riparian Forest Buffer (ac.) 391
409	0.0%	x 95.0%	x 95.0%	PERCENT of TU	Prescribed Forestry (ac.) 409
472	0.0%	0.0%	x 100.0%	PERCENT of TU	Use Exclusion (ac.) 472
490	0.0%	0.0%	x 5.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
560	0	0	x 1,500	FEET per TU	Access Road (ft.) 560
612	0.0%	0.0%	x 5.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
645	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
648	0	0	x 2	NUMBER per TU	Wildlife Watering Facility (no.) 648
666	x 30.0%	x 50.0%	x 75.0%	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
595	100.0%	100.0%	100.0%	PERCENT of TU	Pest Management (ac.) 595

Help

WATERSHED NAME & CODE		WHITewater RIVER - 07140107			LANDUSE ACRES		333,200		
LANDUSE TYPE		FORESTLAND			TYPICAL UNIT SIZE ACRES		80		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		7%		
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 – T & E Plant Species: Declining Species	Plant Condition – Noxious and Invasive Plants
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>1</b>	<b>3</b>	<b>0</b>	<b>2</b>	
<b>Total Acreage at Baseline Level</b>		<b>266,560</b>	<b>247,901</b>	<b>0</b>	<b>247,901</b>				
Forest Stand Improvement (ac.) 666		79,968	74,370	0	74,370	3	5	0	4
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>2</b>	<b>4</b>	<b>3</b>	<b>4</b>	
<b>Total Acreage at Progressive Level</b>		<b>49,980</b>	<b>47,481</b>	<b>13,328</b>	<b>60,809</b>				
Forest Stand Improvement (ac.) 666		24,990	27,739	2,666	30,405	3	5	0	4
Prescribed Forestry (ac.) 409		47,481	45,107	12,662	57,769	2	5	5	5
Upland Wildlife Habitat Management (ac.) 645		49,980	47,481	13,328	60,809	2	4	1	4
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>3</b>	<b>5</b>	<b>3</b>	<b>5</b>	
<b>Total Acreage at RMS Level</b>		<b>16,660</b>	<b>16,660</b>	<b>7,830</b>	<b>24,490</b>				
Access Road (ft.) 560		312,375	312,375	146,816	459,191	-1	0	-1	-1
Forest Slash Treatment (ac.) 384		833	833	392	1,225	0	5	1	1
Forest Stand Improvement (ac.) 666		12,495	15,344	3,024	18,368	3	5	0	4
Prescribed Forestry (ac.) 409		15,827	18,201	5,065	23,266	2	5	5	5
Riparian Forest Buffer (ac.) 391		2,166	2,166	1,018	3,184	3	4	0	4
Tree/Shrub Establishment (ac.) 612		833	833	392	1,225	2	5	0	4
Tree/Shrub Site Preparation (ac.) 490		833	833	392	1,225	-2	5	0	4
Upland Wildlife Habitat Management (ac.) 645		16,660	19,159	5,331	24,490	2	4	1	4
Use Exclusion (ac.) 472		16,660	16,660	7,830	24,490	2	4	0	4
Wildlife Watering Facility (no.) 648		417	417	196	612	1	0	0	0



WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107						LANDUSE ACRES			333,200
LANDUSE TYPE		FORESTLAND						TYPICAL UNIT SIZE ACRES			80
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			7%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
<b>Progressive System Acres Treated</b>		<b>13,328</b>									
Forest Stand Improvement (ac.) 666	2,666	X	X								
Prescribed Forestry (ac.) 409	12,662	X	X								
Upland Wildlife Habitat Management (ac.) 645	13,328	X	X								
<b>Resource Management System (RMS) Acres Treated</b>		<b>7,830</b>									
Access Road (ft.) 560	146,816	X									
Forest Slash Treatment (ac.) 384	392	X	X								
Forest Stand Improvement (ac.) 666	3,024	X	X								
Prescribed Forestry (ac.) 409	5,065	X	X								
Riparian Forest Buffer (ac.) 391	1,018	X	X								
Tree/Shrub Establishment (ac.) 612	392	X	X	X							
Tree/Shrub Site Preparation (ac.) 490	392	X	X	X							
Upland Wildlife Habitat Management (ac.) 645	5,331	X	X								
Use Exclusion (ac.) 472	7,830	X	X	X							
Wildlife Watering Facility (no.) 648	196	X	X								

WATERSHED NAME & CODE		WHITEWATER RIVER - 07140107				LANDUSE ACRES		333,200	
LANDUSE TYPE		FORESTLAND				TYPICAL UNIT SIZE ACRES		80	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		7%	
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 – T & E Plant Species: Declining Species, Species of Concern	Plant Condition – Noxious and Invasive Plants
<b>Baseline System</b>		System Rating ->				1	3	0	2
Total Acreage at Baseline Level		266,560	247,901	0	247,901				
Forest Stand Improvement (ac.) 666		79,968	74,370	0	74,370	3	5	0	4
<b>Progressive System</b>		System Rating ->				2	4	3	4
Total Acreage at Progressive Level		49,980	47,481	13,328	60,809				
Forest Stand Improvement (ac.) 666		24,990	27,739	2,666	30,405	3	5	0	4
Prescribed Forestry (ac.) 409		47,481	45,107	12,662	57,769	2	5	5	5
Upland Wildlife Habitat Management (ac.) 645		49,980	47,481	13,328	60,809	2	4	1	4
<b>Resource Management System (RMS)</b>		System Rating ->				3	5	3	5
Total Acreage at RMS Level		16,660	16,660	7,830	24,490				
Access Road (ft.) 560		312,375	312,375	146,816	459,191	-1	0	-1	-1
Forest Slash Treatment (ac.) 384		833	833	392	1,225	0	5	1	1
Forest Stand Improvement (ac.) 666		12,495	15,344	3,024	18,368	3	5	0	4
Prescribed Forestry (ac.) 409		15,827	18,201	5,065	23,266	2	5	5	5
Riparian Forest Buffer (ac.) 391		2,166	2,166	1,018	3,184	3	4	0	4
Tree/Shrub Establishment (ac.) 612		833	833	392	1,225	2	5	0	4
Tree/Shrub Site Preparation (ac.) 490		833	833	392	1,225	-2	5	0	4
Upland Wildlife Habitat Management (ac.) 645		16,660	19,159	5,331	24,490	2	4	1	4
Use Exclusion (ac.) 472		16,660	16,660	7,830	24,490	2	4	0	4
Wildlife Watering Facility (no.) 648		417	417	196	612	1	0	0	0
<b>CONSERVATION INVESTMENT INFORMATION</b>									
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
<b>Progressive System Acres Treated</b>		13328							
Forest Stand Improvement (ac.) 666		2,666	\$119,326	\$0	\$23,865	\$143,191	\$119,326	\$2,387	\$129,378
Prescribed Forestry (ac.) 409		12,662	\$316,540	\$0	\$63,308	\$379,848	\$316,540	\$0	\$316,540
Upland Wildlife Habitat Management (ac.) 645		13,328	\$0	\$599,760	\$119,952	\$654,341	\$0	\$199,920	\$307,747
<b>Subtotal</b>			<b>\$435,866</b>	<b>\$599,760</b>	<b>\$207,125</b>	<b>\$1,177,379</b>	<b>\$435,866</b>	<b>\$202,307</b>	<b>\$753,666</b>
<b>Resource Management System (RMS) Acres Treated</b>		7830.2							
Access Road (ft.) 560		146,816	\$367,041	\$0	\$73,408	\$440,449	\$367,041	\$22,022	\$459,807
Forest Slash Treatment (ac.) 384		392	\$48,939	\$0	\$9,788	\$58,727	\$48,939	\$0	\$48,939
Forest Stand Improvement (ac.) 666		3,024	\$135,360	\$0	\$27,072	\$162,432	\$135,360	\$2,707	\$146,764
Prescribed Forestry (ac.) 409		5,065	\$126,616	\$0	\$25,323	\$151,939	\$126,616	\$0	\$126,616
Riparian Forest Buffer (ac.) 391		1,018	\$165,922	\$0	\$33,184	\$199,106	\$165,922	\$3,318	\$179,900
Tree/Shrub Establishment (ac.) 612		392	\$63,816	\$0	\$12,763	\$76,579	\$63,816	\$0	\$63,816
Tree/Shrub Site Preparation (ac.) 490		392	\$0	\$52,607	\$10,521	\$57,395	\$0	\$17,536	\$26,994
Upland Wildlife Habitat Management (ac.) 645		5,331	\$0	\$239,904	\$47,981	\$261,736	\$0	\$79,968	\$123,099
Use Exclusion (ac.) 472		7,830	\$19,576	\$0	\$3,915	\$23,491	\$19,576	\$1,175	\$24,523
Wildlife Watering Facility (no.) 648		196	\$71,863	\$0	\$14,373	\$86,235	\$71,863	\$0	\$71,863
<b>Subtotal</b>			<b>\$999,132</b>	<b>\$292,511</b>	<b>\$258,329</b>	<b>\$1,518,089</b>	<b>\$999,132</b>	<b>\$126,726</b>	<b>\$1,272,320</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		21158.2	\$1,434,997	\$892,271	\$465,454	\$2,695,468	\$1,434,997	\$329,033	\$2,025,986

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