

**Enter Watershed Variables Below**

Watershed Name	<input type="text" value="Upper Grand"/>	Watershed Code	<input type="text" value="10280101"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Cultivated Cropland"/>	Landuse Acres	<input type="text" value="654,400"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="35"/>	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="3%"/>	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	20%	130,880	Baseline	90%	117,792	Baseline	18%	117,792	117,792	0
			Progressive	10%	13,088					
			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	79%	516,976	Progressive	99%	511,806	Progressive	80%	524,894	511,806	13,088
			RMS	1%	5,170					
			<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%	6,544	RMS	100%	6,544	RMS	2%	11,714	6,544	5,170
<b>Grand Totals</b>	<b>100%</b>	<b>654,400</b>					<b>100%</b>	<b>654,400</b>	<b>636,142</b>	<b>18,258</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)

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Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
328	x 100.0%	x 100.0%	x 100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
330	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Contour Farming (ac.) 330
342	0.0%	x 20.0%	x 20.0%	PERCENT of TU	Critical Area Planting (ac.) 342
344	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
345	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 345
386	0	0	x 5,000	FEET per TU	Field Border (ft.) 386
393	0.0%	0.0%	x 2.0%	PERCENT of TU	Filter Strip (ac.) 393
410	0	0	x 1	NUMBER per TU	Grade Stabilization Structure (no.) 410
412	0.0%	x 1.0%	x 1.0%	PERCENT of TU	Grassed Waterway (ac.) 412
590	0.0%	0.0%	x 100.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	0.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595
600	0	x 6,000	x 6,000	FEET per TU	Terrace (ft.) 600
620	0	x 2,000	x 2,000	FEET per TU	Underground Outlet (ft.) 620
638	0	x 1	x 1	NUMBER per TU	Water & Sediment Control Basin (no.) 638
645	0.0%	0.0%	x 1.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
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

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WATERSHED NAME & CODE		UPPER GRAND - 10280101			LANDUSE ACRES		654,400		
LANDUSE TYPE		CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		35		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		3%		
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	Water Quality – Excessive Nutrients and Organics in	Water Quality – Excessive Suspended Sediment and
<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>130,880</b>	<b>117,792</b>	<b>0</b>	<b>117,792</b>				
Conservation Crop Rotation (ac.) 328		130,880	117,792	0	117,792	4	2	2	2
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>5</b>	<b>5</b>	<b>3</b>	<b>4</b>	
<b>Total Acreage at Progressive Level</b>		<b>516,976</b>	<b>511,806</b>	<b>13,088</b>	<b>524,894</b>				
Conservation Crop Rotation (ac.) 328		516,976	524,894	0	524,894	4	2	2	2
Contour Farming (ac.) 330		516,976	511,806	13,088	524,894	3	2	3	3
Critical Area Planting (ac.) 342		103,395	102,361	2,618	104,979	5	5	2	4
Grassed Waterway (ac.) 412		5,170	5,118	131	5,249	0	5	2	2
Residue and Tillage Management, Mulch Till (ac.) 345		516,976	511,806	13,088	524,894	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		516,976	511,806	13,088	524,894	5	5	1	4
Residue Management, Seasonal (ac.) 344		516,976	511,806	13,088	524,894	2	1	1	1
Terrace (ft.) 600		88,624,457	87,738,213	2,243,657	89,981,870	5	4	2	3
Underground Outlet (ft.) 620		29,541,486	29,246,071	747,886	29,993,957	0	5	-1	0
Water and Sediment Control Basin (no.) 638		14,771	14,623	374	14,997	0	2	2	4
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at RMS Level</b>		<b>6,544</b>	<b>6,544</b>	<b>5,170</b>	<b>11,714</b>				
Conservation Crop Rotation (ac.) 328		6,544	11,714	0	11,714	4	2	2	2
Contour Farming (ac.) 330		6,544	11,714	0	11,714	3	2	3	3
Critical Area Planting (ac.) 342		1,309	2,343	0	2,343	5	5	2	4
Field Border (ft.) 386		934,857	934,857	738,537	1,673,394	4	3	2	2
Filter Strip (ac.) 393		131	131	103	234	3	0	5	5
Grade Stabilization Structure (no.) 410		187	187	148	335	0	0	0	2
Grassed Waterway (ac.) 412		65	117	0	117	0	5	2	2
Nutrient Management (ac.) 590		6,544	6,544	5,170	11,714	0	0	5	0
Pest Management (ac.) 595		6,544	6,544	5,170	11,714	0	0	0	2
Residue and Tillage Management, Mulch Till (ac.) 345		6,544	11,714	0	11,714	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		6,544	11,714	0	11,714	5	5	1	4
Residue Management, Seasonal (ac.) 344		6,544	11,714	0	11,714	2	1	1	1
Terrace (ft.) 600		1,121,829	2,008,073	0	2,008,073	5	4	2	3
Underground Outlet (ft.) 620		373,943	669,358	0	669,358	0	5	-1	0
Upland Wildlife Habitat Management (ac.) 645		65	65	52	117	3	3	0	2
Water and Sediment Control Basin (no.) 638		187	335	0	335	0	2	2	4

WATERSHED NAME & CODE		UPPER GRAND - 10280101				LANDUSE ACRES		654,400	
LANDUSE TYPE		CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		35	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		3%	
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>13,088</b>							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		13,088	\$0	\$196,320	\$39,264	\$214,186	\$0	\$65,440	\$100,735
Critical Area Planting (ac.) 342		2,618	\$623,224	\$0	\$124,645	\$747,869	\$623,224	\$12,464	\$675,729
Grassed Waterway (ac.) 412		131	\$133,384	\$0	\$26,677	\$160,061	\$133,384	\$8,003	\$167,096
Residue and Tillage Management, Mulch Till (ac.) 345		13,088	\$0	\$392,640	\$78,528	\$428,372	\$0	\$130,880	\$201,470
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		13,088	\$0	\$711,856	\$142,371	\$776,638	\$0	\$237,285	\$365,266
Residue Management, Seasonal (ac.) 344		13,088	\$0	\$196,320	\$39,264	\$214,186	\$0	\$65,440	\$100,735
Terrace (ft.) 600		2,243,657	\$2,299,749	\$0	\$459,950	\$2,759,698	\$2,299,749	\$91,990	\$2,687,244
Underground Outlet (ft.) 620		747,886	\$160,795	\$0	\$32,159	\$192,955	\$160,795	\$9,648	\$201,435
Water and Sediment Control Basin (no.) 638		374	\$373,943	\$0	\$74,789	\$448,731	\$373,943	\$37,394	\$531,461
<b>Subtotal</b>			<b>\$3,591,096</b>	<b>\$1,497,136</b>	<b>\$1,017,646</b>	<b>\$5,942,696</b>	<b>\$3,591,096</b>	<b>\$658,545</b>	<b>\$5,031,172</b>
<b>Resource Management System (RMS) Acres Treated</b>		<b>5,170</b>							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		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		738,537	\$18,463	\$0	\$3,693	\$22,156	\$18,463	\$739	\$21,574
Filter Strip (ac.) 393		103	\$3,619	\$0	\$724	\$4,343	\$3,619	\$217	\$4,533
Grade Stabilization Structure (no.) 410		148	\$751,820	\$0	\$150,364	\$902,184	\$751,820	\$45,109	\$941,836
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		5,170	\$0	\$196,503	\$39,301	\$214,385	\$0	\$65,501	\$100,829
Pest Management (ac.) 595		5,170	\$0	\$330,968	\$66,194	\$361,087	\$0	\$110,323	\$169,825
Residue and Tillage Management, Mulch Till (ac.) 345		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Residue Management, Seasonal (ac.) 344		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Terrace (ft.) 600		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Underground Outlet (ft.) 620		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Upland Wildlife Habitat Management (ac.) 645		52	\$0	\$2,326	\$465	\$2,538	\$0	\$775	\$1,194
Water and Sediment Control Basin (no.) 638		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>			<b>\$773,902</b>	<b>\$529,797</b>	<b>\$260,740</b>	<b>\$1,506,693</b>	<b>\$773,902</b>	<b>\$222,664</b>	<b>\$1,239,792</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>0</b>	<b>\$4,364,998</b>	<b>\$2,026,933</b>	<b>\$1,278,386</b>	<b>\$7,449,389</b>	<b>\$4,364,998</b>	<b>\$881,209</b>	<b>\$6,270,964</b>

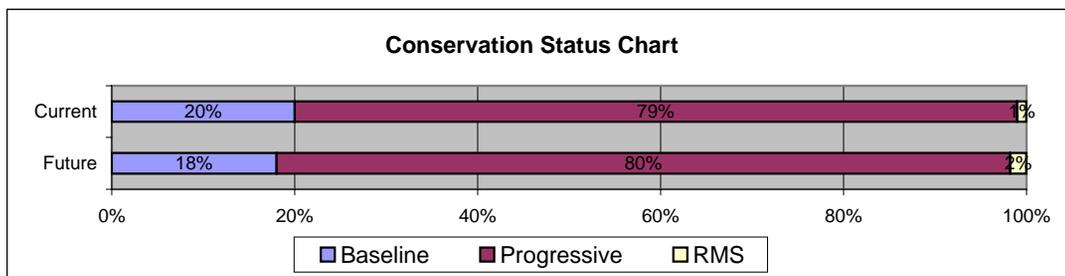


Chart Refers To	
Landuse Type	CULTIVATED CROPLAND
Estimated Participation Rate	3%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$454	\$384
RMS	\$291	\$240

Estimated FTE per Year	2.6
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WATERSHED NAME & CODE		UPPER GRAND - 10280101						LANDUSE ACRES			654,400
LANDUSE TYPE		CULTIVATED CROPLAND						TYPICAL UNIT SIZE ACRES			35
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION				3%
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>13,088</b>									
Conservation Crop Rotation (ac.) 328	0	X	X								
Contour Farming (ac.) 330	13,088	X									
Critical Area Planting (ac.) 342	2,618	X	X								
Grassed Waterway (ac.) 412	131	X	X				X				
Residue and Tillage Management, Mulch Till (ac.) 345	13,088	X									
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	13,088	X	X								
Residue Management, Seasonal (ac.) 344	13,088	X									
Terrace (ft.) 600	2,243,657	X	X				X				
Underground Outlet (ft.) 620	747,886	X	X								
Water and Sediment Control Basin (no.) 638	374	X	X								
<b>Resource Management System (RMS) Acres Treated</b>		<b>5,170</b>									
Conservation Crop Rotation (ac.) 328	0	X	X								
Contour Farming (ac.) 330	0	X									
Critical Area Planting (ac.) 342	0	X	X								
Field Border (ft.) 386	738,537	X	X				X				
Filter Strip (ac.) 393	103	X					X				
Grade Stabilization Structure (no.) 410	148	X	X								
Grassed Waterway (ac.) 412	0	X	X				X				
Nutrient Management (ac.) 590	5,170	X	X								
Pest Management (ac.) 595	5,170	X	X								
Residue and Tillage Management, Mulch Till (ac.) 345	0	X									
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	0	X	X								
Residue Management, Seasonal (ac.) 344	0	X									
Terrace (ft.) 600	0	X	X				X				
Underground Outlet (ft.) 620	0	X	X								
Upland Wildlife Habitat Management (ac.) 645	52	X	X								
Water and Sediment Control Basin (no.) 638	0	X	X								

WATERSHED NAME & CODE		UPPER GRAND - 10280101				LANDUSE ACRES		654,400	
LANDUSE TYPE		CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		35	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		3%	
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	Water Quality – Excessive Nutrients and Organics in Surface Water	Water Quality – Excessive Suspended Sediment and Turbidity
<b>Baseline System</b>		System Rating ->				2	1	1	1
Total Acreage at Baseline Level		130,880	117,792	0	117,792				
Conservation Crop Rotation (ac.) 328		130,880	117,792	0	117,792	4	2	2	2
<b>Progressive System</b>		System Rating ->				5	5	3	4
Total Acreage at Progressive Level		516,976	511,806	13,088	524,894				
Conservation Crop Rotation (ac.) 328		516,976	524,894	0	524,894	4	2	2	2
Contour Farming (ac.) 330		516,976	511,806	13,088	524,894	3	2	3	3
Critical Area Planting (ac.) 342		103,395	102,361	2,618	104,979	5	5	2	4
Grassed Waterway (ac.) 412		5,170	5,118	131	5,249	0	5	2	2
Residue and Tillage Management, Mulch Till (ac.) 345		516,976	511,806	13,088	524,894	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		516,976	511,806	13,088	524,894	5	5	1	4
Residue Management, Seasonal (ac.) 344		516,976	511,806	13,088	524,894	2	1	1	1
Terrace (ft.) 600		88,624,457	87,738,213	2,243,657	89,981,870	5	4	2	3
Underground Outlet (ft.) 620		29,541,486	29,246,071	747,886	29,993,957	0	5	-1	0
Water and Sediment Control Basin (no.) 638		14,771	14,623	374	14,997	0	2	2	4
<b>Resource Management System (RMS)</b>		System Rating ->				5	5	5	5
Total Acreage at RMS Level		6,544	6,544	5,170	11,714				
Conservation Crop Rotation (ac.) 328		6,544	11,714	0	11,714	4	2	2	2
Contour Farming (ac.) 330		6,544	11,714	0	11,714	3	2	3	3
Critical Area Planting (ac.) 342		1,309	2,343	0	2,343	5	5	2	4
Field Border (ft.) 386		934,857	934,857	738,537	1,673,394	4	3	2	2
Filter Strip (ac.) 393		131	131	103	234	3	0	5	5
Grade Stabilization Structure (no.) 410		187	187	148	335	0	0	0	2
Grassed Waterway (ac.) 412		65	117	0	117	0	5	2	2
Nutrient Management (ac.) 590		6,544	6,544	5,170	11,714	0	0	5	0
Pest Management (ac.) 595		6,544	6,544	5,170	11,714	0	0	0	2
Residue and Tillage Management, Mulch Till (ac.) 345		6,544	11,714	0	11,714	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		6,544	11,714	0	11,714	5	5	1	4
Residue Management, Seasonal (ac.) 344		6,544	11,714	0	11,714	2	1	1	1
Terrace (ft.) 600		1,121,829	2,008,073	0	2,008,073	5	4	2	3
Underground Outlet (ft.) 620		373,943	669,358	0	669,358	0	5	-1	0
Upland Wildlife Habitat Management (ac.) 645		65	65	52	117	3	3	0	2
Water and Sediment Control Basin (no.) 638		187	335	0	335	0	2	2	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
<b>Progressive System Acres Treated</b>		13088							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		13,088	\$0	\$196,320	\$39,264	\$214,186	\$0	\$65,440	\$100,735
Critical Area Planting (ac.) 342		2,618	\$623,224	\$0	\$124,645	\$747,869	\$623,224	\$12,464	\$675,729
Grassed Waterway (ac.) 412		131	\$133,384	\$0	\$26,677	\$160,061	\$133,384	\$8,003	\$167,096
Residue and Tillage Management, Mulch Till (ac.) 345		13,088	\$0	\$392,640	\$78,528	\$428,372	\$0	\$130,880	\$201,470
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		13,088	\$0	\$711,856	\$142,371	\$776,638	\$0	\$237,285	\$365,266
Residue Management, Seasonal (ac.) 344		13,088	\$0	\$196,320	\$39,264	\$214,186	\$0	\$65,440	\$100,735
Terrace (ft.) 600		2,243,657	\$2,299,749	\$0	\$459,950	\$2,759,698	\$2,299,749	\$91,990	\$2,687,244
Underground Outlet (ft.) 620		747,886	\$160,795	\$0	\$32,159	\$192,955	\$160,795	\$9,648	\$201,435
Water and Sediment Control Basin (no.) 638		374	\$373,943	\$0	\$74,789	\$448,731	\$373,943	\$37,394	\$531,461
<b>Subtotal</b>			<b>\$3,591,096</b>	<b>\$1,497,136</b>	<b>\$1,017,646</b>	<b>\$5,942,696</b>	<b>\$3,591,096</b>	<b>\$658,545</b>	<b>\$5,031,172</b>
<b>Resource Management System (RMS) Acres Treated</b>		5169.76							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		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		738,537	\$18,463	\$0	\$3,693	\$22,156	\$18,463	\$739	\$21,574
Filter Strip (ac.) 393		103	\$3,619	\$0	\$724	\$4,343	\$3,619	\$217	\$4,533
Grade Stabilization Structure (no.) 410		148	\$751,820	\$0	\$150,364	\$902,184	\$751,820	\$45,109	\$941,836
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		5,170	\$0	\$196,503	\$39,301	\$214,385	\$0	\$65,501	\$100,829
Pest Management (ac.) 595		5,170	\$0	\$330,968	\$66,194	\$361,087	\$0	\$110,323	\$169,825
Residue and Tillage Management, Mulch Till (ac.) 345		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Residue Management, Seasonal (ac.) 344		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Terrace (ft.) 600		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Underground Outlet (ft.) 620		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Upland Wildlife Habitat Management (ac.) 645		52	\$0	\$2,326	\$465	\$2,538	\$0	\$775	\$1,194
Water and Sediment Control Basin (no.) 638		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>			<b>\$773,902</b>	<b>\$529,797</b>	<b>\$260,740</b>	<b>\$1,506,693</b>	<b>\$773,902</b>	<b>\$222,664</b>	<b>\$1,239,792</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		18257.76	\$4,364,998	\$2,026,933	\$1,278,386	\$7,449,389	\$4,364,998	\$881,209	\$6,270,964

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

**Enter Watershed Variables Below**

Watershed Name:       Watershed Code:      

Landuse Type:       Landuse Acres:       Interest Rate:

Typical Unit Size (ac):       Percent TA of FA:       Cost-Share Rate:

Participation Rate (Based on Watershed Profile):       **COMPARE**      Calculated Participation Rate (Based on Projected Future Conditions):      

*Estimated Time Frame = 5 years*

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	10%	19,160	Baseline	90%	17,244	Baseline	9%	17,244	17,244	0
			Progressive	10%	1,916					
			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	80%	153,280	Progressive	99%	151,747	Progressive	80%	153,663	151,747	1,916
			RMS	1%	1,533					
			<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	10%	19,160	RMS	100%	19,160	RMS	11%	20,693	19,160	1,533
<b>Grand Totals</b>	<b>100%</b>	<b>191,600</b>					<b>100%</b>	<b>191,600</b>	<b>188,151</b>	<b>3,449</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)

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Next

Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
382	x 4,640	x 4,640	x 4,640	FEET per TU	Fence (ft.) 382
410	0	x 1	x 1	NUMBER per TU	Grade Stabilization Structure (no.) 410
412	0.0%	x 1.0%	x 1.0%	PERCENT of TU	Grassed Waterway (ac.) 412
511	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	x 100.0%	x 100.0%	x 100.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
528	0.0%	0.0%	x 100.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
590	0.0%	0.0%	x 100.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	0.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595
614	0	x 1	x 1	NUMBER per TU	Watering Facility (no.) 614
645	0.0%	0.0%	x 1.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
327	10.0%	10.0%	10.0%	PERCENT of TU	Conservation Cover (ac.) 327
472	0.0%	0.0%	25.0%	PERCENT of TU	Use Exclusion (ac.) 472
516	0	0	1,000	FEET per TU	Pipeline (ft.) 516
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

Help

WATERSHED NAME & CODE		UPPER GRAND - 10280101			LANDUSE ACRES		191,600		
LANDUSE TYPE		NON-CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		30		
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	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability	Domestic Animals – Inadequate Quantities and Quality of Feed
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	
<b>Total Acreage at Baseline Level</b>		<b>19,160</b>	<b>17,244</b>	<b>0</b>	<b>17,244</b>				
Fence (ft.) 382	2,963,413	2,667,072	0	2,667,072	0	0	0	0	
Pasture and Hay Planting (ac.) 512	19,160	17,244	0	17,244	4	5	5	5	
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>3</b>	<b>5</b>	<b>4</b>	<b>4</b>	
<b>Total Acreage at Progressive Level</b>		<b>153,280</b>	<b>151,747</b>	<b>1,916</b>	<b>153,663</b>				
Fence (ft.) 382	23,707,307	23,766,575	0	23,766,575	0	0	0	0	
Forage Harvest Management (ac.) 511	153,280	151,747	1,916	153,663	3	4	4	4	
Grade Stabilization Structure (no.) 410	5,109	5,058	64	5,122	0	0	0	0	
Grassed Waterway (ac.) 412	1,533	1,517	19	1,537	0	5	0	1	
Pasture and Hay Planting (ac.) 512	153,280	153,663	0	153,663	4	5	5	5	
Watering Facility (no.) 614	5,109	5,058	64	5,122	2	2	0	3	
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>5</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at RMS Level</b>		<b>19,160</b>	<b>19,160</b>	<b>1,533</b>	<b>20,693</b>				
Fence (ft.) 382	2,963,413	3,200,486	0	3,200,486	0	0	0	0	
Forage Harvest Management (ac.) 511	19,160	20,693	0	20,693	3	4	4	4	
Grade Stabilization Structure (no.) 410	639	690	0	690	0	0	0	0	
Grassed Waterway (ac.) 412	192	207	0	207	0	5	0	1	
Nutrient Management (ac.) 590	19,160	19,160	1,533	20,693	0	3	4	4	
Pasture and Hay Planting (ac.) 512	19,160	20,693	0	20,693	4	5	5	5	
Pest Management (ac.) 595	19,160	19,160	1,533	20,693	0	5	4	4	
Prescribed Grazing (ac.) 528	19,160	19,160	1,533	20,693	4	5	4	5	
Upland Wildlife Habitat Management (ac.) 645	192	192	15	207	3	4	4	2	
Watering Facility (no.) 614	639	690	0	690	2	2	0	3	





WATERSHED NAME & CODE		UPPER GRAND - 10280101				LANDUSE ACRES		191,600	
LANDUSE TYPE		NON-CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		30	
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	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability	Domestic Animals – Inadequate Quantities and Quality of Feed and Forage
<b>Baseline System</b>		System Rating ->				2	3	3	3
Total Acreage at Baseline Level		19,160	17,244	0	17,244				
Fence (ft.) 382		2,963,413	2,667,072	0	2,667,072	0	0	0	0
Pasture and Hay Planting (ac.) 512		19,160	17,244	0	17,244	4	5	5	5
<b>Progressive System</b>		System Rating ->				3	5	4	4
Total Acreage at Progressive Level		153,280	151,747	1,916	153,663				
Fence (ft.) 382		23,707,307	23,766,575	0	23,766,575	0	0	0	0
Forage Harvest Management (ac.) 511		153,280	151,747	1,916	153,663	3	4	4	4
Grade Stabilization Structure (no.) 410		5,109	5,058	64	5,122	0	0	0	0
Grassed Waterway (ac.) 412		1,533	1,517	19	1,537	0	5	0	1
Pasture and Hay Planting (ac.) 512		153,280	153,663	0	153,663	4	5	5	5
Watering Facility (no.) 614		5,109	5,058	64	5,122	2	2	0	3
<b>Resource Management System (RMS)</b>		System Rating ->				4	5	5	5
Total Acreage at RMS Level		19,160	19,160	1,533	20,693				
Fence (ft.) 382		2,963,413	3,200,486	0	3,200,486	0	0	0	0
Forage Harvest Management (ac.) 511		19,160	20,693	0	20,693	3	4	4	4
Grade Stabilization Structure (no.) 410		639	690	0	690	0	0	0	0
Grassed Waterway (ac.) 412		192	207	0	207	0	5	0	1
Nutrient Management (ac.) 590		19,160	19,160	1,533	20,693	0	3	4	4
Pasture and Hay Planting (ac.) 512		19,160	20,693	0	20,693	4	5	5	5
Pest Management (ac.) 595		19,160	19,160	1,533	20,693	0	5	4	4
Prescribed Grazing (ac.) 528		19,160	19,160	1,533	20,693	4	5	4	5
Upland Wildlife Habitat Management (ac.) 645		192	192	15	207	3	4	4	2
Watering Facility (no.) 614		639	690	0	690	2	2	0	3
<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>		1916							
Fence (ft.) 382		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forage Harvest Management (ac.) 511		1,916	\$7,664	\$0	\$1,533	\$9,197	\$7,664	\$2,299	\$17,349
Grade Stabilization Structure (no.) 410		64	\$325,077	\$0	\$65,015	\$390,092	\$325,077	\$19,505	\$407,237
Grassed Waterway (ac.) 412		19	\$19,527	\$0	\$3,905	\$23,432	\$19,527	\$1,172	\$24,462
Pasture and Hay Planting (ac.) 512		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Watering Facility (no.) 614		64	\$29,007	\$0	\$5,801	\$34,809	\$29,007	\$1,160	\$33,895
<b>Subtotal</b>			<b>\$381,274</b>	<b>\$0</b>	<b>\$76,255</b>	<b>\$457,529</b>	<b>\$381,274</b>	<b>\$24,136</b>	<b>\$482,943</b>
<b>Resource Management System (RMS) Acres Treated</b>		1532.8							
Fence (ft.) 382		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forage Harvest Management (ac.) 511		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grade Stabilization Structure (no.) 410		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		1,533	\$0	\$58,262	\$11,652	\$63,564	\$0	\$19,421	\$29,895
Pasture and Hay Planting (ac.) 512		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pest Management (ac.) 595		1,533	\$0	\$98,130	\$19,626	\$107,060	\$0	\$32,710	\$50,352
Prescribed Grazing (ac.) 528		1,533	\$6,744	\$0	\$1,349	\$8,093	\$6,744	\$0	\$6,744
Upland Wildlife Habitat Management (ac.) 645		15	\$0	\$690	\$138	\$753	\$0	\$230	\$354
Watering Facility (no.) 614		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>			<b>\$6,744</b>	<b>\$157,081</b>	<b>\$32,765</b>	<b>\$179,470</b>	<b>\$6,744</b>	<b>\$52,360</b>	<b>\$87,345</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>3448.8</b>	<b>\$388,019</b>	<b>\$157,081</b>	<b>\$109,020</b>	<b>\$636,999</b>	<b>\$388,019</b>	<b>\$76,496</b>	<b>\$570,288</b>

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="Upper Grand"/>	Watershed Code	<input type="text" value="10280101"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Pastureland"/>	Landuse Acres	<input type="text" value="548,400"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="100"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	<b>← COMPARE →</b>	<input type="text" value="12%"/>	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	57%	312,588	Baseline	80%	250,070	Baseline	46%	250,070	250,070	0
			Progressive	20%	62,518					
			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	40%	219,360	Progressive	99%	217,166	Progressive	51%	279,684	217,166	62,518
			RMS	1%	2,194					
			<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	3%	16,452	RMS	100%	16,452	RMS	3%	18,646	16,452	2,194
<b>Grand Totals</b>	<b>100%</b>	<b>548,400</b>					<b>100%</b>	<b>548,400</b>	<b>483,689</b>	<b>64,711</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)

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Next

Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
314	0.0%	0.0%	x 20.0%	PERCENT of TU	Brush Management (ac.) 314
342	0.0%	x 2.0%	x 2.0%	PERCENT of TU	Critical Area Planting (ac.) 342
382	x 9,000	x 13,000	x 15,500	FEET per TU	Fence (ft.) 382
410	0	x 2	x 3	NUMBER per TU	Grade Stabilization Structure (no.) 410
472	0.0%	x 1.0%	x 1.0%	PERCENT of TU	Use Exclusion (ac.) 472
484	0.0%	x 1.0%	x 1.0%	PERCENT of TU	Mulching (ac.) 484
511	0.0%	0.0%	x 100.0%	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 2,000	FEET per TU	Pipeline (ft.) 516
528	0.0%	0.0%	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
590	0.0%	0.0%	x 100.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	0.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595
614	0	x 4	x 6	NUMBER per TU	Watering Facility (no.) 614
645	0.0%	0.0%	x 2.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
574	0	0	1	NUMBER per TU	Spring Development (no.) 574
642	0	0	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		UPPER GRAND - 10280101			LANDUSE ACRES		548,400		
LANDUSE TYPE		PASTURELAND			TYPICAL UNIT SIZE ACRES		100		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		12%		
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 Stock Water
<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>312,588</b>	<b>250,070</b>	<b>0</b>	<b>250,070</b>				
Fence (ft.) 382	28,132,920	22,506,336	0	22,506,336	0	0	0	0	
<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>219,360</b>	<b>217,166</b>	<b>62,518</b>	<b>279,684</b>				
Critical Area Planting (ac.) 342	4,387	4,343	1,250	5,594	4	5	0	0	
Fence (ft.) 382	28,516,800	33,858,216	2,500,704	36,358,920	0	0	0	0	
Grade Stabilization Structure (no.) 410	4,387	4,343	1,250	5,594	5	0	0	0	
Heavy Use Area Protection (ac.) 561	2,194	2,172	625	2,797	0	3	0	0	
Mulching (ac.) 484	2,194	2,172	625	2,797	1	3	0	0	
Pasture and Hay Planting (ac.) 512	219,360	217,166	62,518	279,684	1	5	5	0	
Pipeline (ft.) 516	4,387,200	4,343,328	1,250,352	5,593,680	0	2	0	5	
Use Exclusion (ac.) 472	2,194	2,172	625	2,797	2	4	4	1	
Watering Facility (no.) 614	8,774	8,687	2,501	11,187	1	2	0	5	
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>5</b>	<b>5</b>	<b>4</b>	
<b>Total Acreage at RMS Level</b>		<b>16,452</b>	<b>16,452</b>	<b>2,194</b>	<b>18,646</b>				
Brush Management (ac.) 314	3,290	3,290	439	3,729	3	3	4	0	
Critical Area Planting (ac.) 342	329	373	0	373	4	5	0	0	
Fence (ft.) 382	2,550,060	2,835,228	54,840	2,890,068	0	0	0	0	
Forage Harvest Management (ac.) 511	16,452	16,452	2,194	18,646	0	4	4	0	
Grade Stabilization Structure (no.) 410	494	537	22	559	5	0	0	0	
Heavy Use Area Protection (ac.) 561	165	186	0	186	0	3	0	0	
Mulching (ac.) 484	165	186	0	186	1	3	0	0	
Nutrient Management (ac.) 590	16,452	16,452	2,194	18,646	0	3	4	0	
Pasture and Hay Planting (ac.) 512	16,452	18,646	0	18,646	1	5	5	0	
Pest Management (ac.) 595	16,452	16,452	2,194	18,646	0	5	4	0	
Pipeline (ft.) 516	329,040	372,912	0	372,912	0	2	0	5	
Prescribed Grazing (ac.) 528	16,452	16,452	2,194	18,646	2	5	4	0	
Upland Wildlife Habitat Management (ac.) 645	329	329	44	373	2	4	4	0	
Use Exclusion (ac.) 472	165	186	0	186	2	4	4	1	
Watering Facility (no.) 614	987	1,075	44	1,119	1	2	0	5	

WATERSHED NAME & CODE		UPPER GRAND - 10280101				LANDUSE ACRES		548,400	
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		100	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		12%	
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>62,518</b>							
Critical Area Planting (ac.) 342	1,250	\$297,696	\$0	\$59,539	\$357,236	\$297,696	\$5,954	\$322,776	
Fence (ft.) 382	2,500,704	\$1,825,514	\$0	\$365,103	\$2,190,617	\$1,825,514	\$182,551	\$2,594,487	
Grade Stabilization Structure (no.) 410	1,250	\$6,364,198	\$0	\$1,272,840	\$7,637,037	\$6,364,198	\$381,852	\$7,972,697	
Heavy Use Area Protection (ac.) 561	625	\$16,324,471	\$0	\$3,264,894	\$19,589,365	\$16,324,471	\$1,632,447	\$23,200,932	
Mulching (ac.) 484	625	\$0	\$187,553	\$37,511	\$204,621	\$0	\$62,518	\$96,237	
Pasture and Hay Planting (ac.) 512	62,518	\$4,224,627	\$0	\$844,925	\$5,069,552	\$4,224,627	\$168,985	\$4,936,453	
Pipeline (ft.) 516	1,250,352	\$1,344,128	\$0	\$268,826	\$1,612,954	\$1,344,128	\$0	\$1,344,128	
Use Exclusion (ac.) 472	625	\$1,563	\$0	\$313	\$1,876	\$1,563	\$94	\$1,958	
Watering Facility (no.) 614	2,501	\$1,135,782	\$0	\$227,156	\$1,362,939	\$1,135,782	\$45,431	\$1,327,155	
		<b>Subtotal</b>	<b>\$31,517,979</b>	<b>\$187,553</b>	<b>\$6,341,106</b>	<b>\$38,026,196</b>	<b>\$31,517,979</b>	<b>\$2,479,832</b>	<b>\$41,796,823</b>
<b>Resource Management System (RMS) Acres Treated</b>		<b>2,194</b>							
Brush Management (ac.) 314	439	\$19,455	\$0	\$3,891	\$23,346	\$19,455	\$389	\$21,094	
Critical Area Planting (ac.) 342	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Fence (ft.) 382	54,840	\$40,033	\$0	\$8,007	\$48,040	\$40,033	\$4,003	\$56,897	
Forage Harvest Management (ac.) 511	2,194	\$8,774	\$0	\$1,755	\$10,529	\$8,774	\$2,632	\$19,863	
Grade Stabilization Structure (no.) 410	22	\$111,653	\$0	\$22,331	\$133,983	\$111,653	\$6,699	\$139,872	
Heavy Use Area Protection (ac.) 561	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Mulching (ac.) 484	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Nutrient Management (ac.) 590	2,194	\$0	\$83,379	\$16,676	\$90,967	\$0	\$27,793	\$42,783	
Pasture and Hay Planting (ac.) 512	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Pest Management (ac.) 595	2,194	\$0	\$140,434	\$28,087	\$153,214	\$0	\$46,811	\$72,059	
Pipeline (ft.) 516	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Prescribed Grazing (ac.) 528	2,194	\$9,652	\$0	\$1,930	\$11,582	\$9,652	\$0	\$9,652	
Upland Wildlife Habitat Management (ac.) 645	44	\$0	\$1,974	\$395	\$2,154	\$0	\$658	\$1,013	
Use Exclusion (ac.) 472	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Watering Facility (no.) 614	44	\$19,926	\$0	\$3,985	\$23,911	\$19,926	\$797	\$23,283	
		<b>Subtotal</b>	<b>\$209,493</b>	<b>\$225,787</b>	<b>\$87,056</b>	<b>\$497,726</b>	<b>\$209,493</b>	<b>\$89,783</b>	<b>\$386,516</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>1689.072</b>	<b>\$31,727,472</b>	<b>\$413,340</b>	<b>\$6,428,162</b>	<b>\$38,523,922</b>	<b>\$31,727,472</b>	<b>\$2,569,615</b>	<b>\$42,183,339</b>

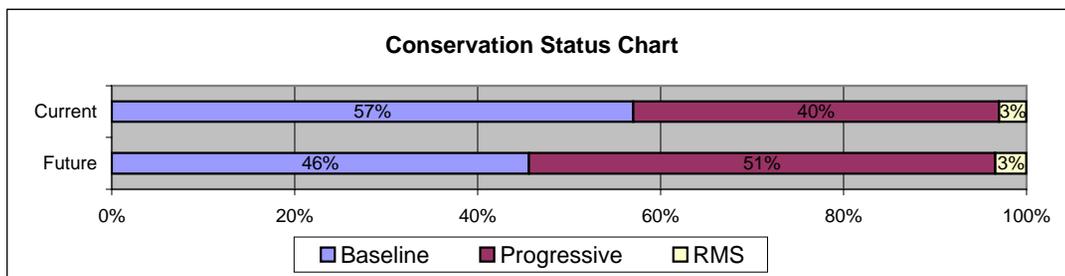


Chart Refers To	
Landuse Type	PASTURELAND
Estimated Participation Rate	12%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$608	\$669
RMS	\$227	\$176

Estimated FTE per Year	12.9
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WATERSHED NAME & CODE		UPPER GRAND - 10280101						LANDUSE ACRES			548,400
LANDUSE TYPE		PASTURELAND						TYPICAL UNIT SIZE ACRES			100
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			12%	
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>62,518</b>										
Critical Area Planting (ac.) 342	1,250	X	X								
Fence (ft.) 382	2,500,704	X	X								
Grade Stabilization Structure (no.) 410	1,250	X	X								
Heavy Use Area Protection (ac.) 561	625	X	X								
Mulching (ac.) 484	625	X		X							
Pasture and Hay Planting (ac.) 512	62,518	X	X								
Pipeline (ft.) 516	1,250,352	X	X								
Use Exclusion (ac.) 472	625	X	X	X							
Watering Facility (no.) 614	2,501	X	X								
<b>Resource Management System (RMS) Acres Treated</b>	<b>2,194</b>										
Brush Management (ac.) 314	439	X	X								
Critical Area Planting (ac.) 342	0	X	X								
Fence (ft.) 382	54,840	X	X								
Forage Harvest Management (ac.) 511	2,194	X									
Grade Stabilization Structure (no.) 410	22	X	X								
Heavy Use Area Protection (ac.) 561	0	X	X								
Mulching (ac.) 484	0	X		X							
Nutrient Management (ac.) 590	2,194	X	X								
Pasture and Hay Planting (ac.) 512	0	X	X								
Pest Management (ac.) 595	2,194	X	X								
Pipeline (ft.) 516	0	X	X								
Prescribed Grazing (ac.) 528	2,194	X	X								
Upland Wildlife Habitat Management (ac.) 645	44	X	X								
Use Exclusion (ac.) 472	0	X	X	X							
Watering Facility (no.) 614	44	X	X								

WATERSHED NAME & CODE		UPPER GRAND - 10280101				LANDUSE ACRES		548,400	
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		100	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		12%	
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 Stock Water
<b>Baseline System</b>		System Rating ->				0	0	0	0
Total Acreage at Baseline Level		312,588	250,070	0	250,070				
Fence (ft.) 382		28,132,920	22,506,336	0	22,506,336	0	0	0	0
<b>Progressive System</b>		System Rating ->				4	5	4	4
Total Acreage at Progressive Level		219,360	217,166	62,518	279,684				
Critical Area Planting (ac.) 342		4,387	4,343	1,250	5,594	4	5	0	0
Fence (ft.) 382		28,516,800	33,858,216	2,500,704	36,358,920	0	0	0	0
Grade Stabilization Structure (no.) 410		4,387	4,343	1,250	5,594	5	0	0	0
Heavy Use Area Protection (ac.) 561		2,194	2,172	625	2,797	0	3	0	0
Mulching (ac.) 484		2,194	2,172	625	2,797	1	3	0	0
Pasture and Hay Planting (ac.) 512		219,360	217,166	62,518	279,684	1	5	5	0
Pipeline (ft.) 516		4,387,200	4,343,328	1,250,352	5,593,680	0	2	0	5
Use Exclusion (ac.) 472		2,194	2,172	625	2,797	2	4	4	1
Watering Facility (no.) 614		8,774	8,687	2,501	11,187	1	2	0	5
<b>Resource Management System (RMS)</b>		System Rating ->				4	5	5	4
Total Acreage at RMS Level		16,452	16,452	2,194	18,646				
Brush Management (ac.) 314		3,290	3,290	439	3,729	3	3	4	0
Critical Area Planting (ac.) 342		329	373	0	373	4	5	0	0
Fence (ft.) 382		2,550,060	2,835,228	54,840	2,890,068	0	0	0	0
Forage Harvest Management (ac.) 511		16,452	16,452	2,194	18,646	0	4	4	0
Grade Stabilization Structure (no.) 410		494	537	22	559	5	0	0	0
Heavy Use Area Protection (ac.) 561		165	186	0	186	0	3	0	0
Mulching (ac.) 484		165	186	0	186	1	3	0	0
Nutrient Management (ac.) 590		16,452	16,452	2,194	18,646	0	3	4	0
Pasture and Hay Planting (ac.) 512		16,452	18,646	0	18,646	1	5	5	0
Pest Management (ac.) 595		16,452	16,452	2,194	18,646	0	5	4	0
Pipeline (ft.) 516		329,040	372,912	0	372,912	0	2	0	5
Prescribed Grazing (ac.) 528		16,452	16,452	2,194	18,646	2	5	4	0
Upland Wildlife Habitat Management (ac.) 645		329	329	44	373	2	4	4	0
Use Exclusion (ac.) 472		165	186	0	186	2	4	4	1
Watering Facility (no.) 614		987	1,075	44	1,119	1	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>		62517.6							
Critical Area Planting (ac.) 342		1,250	\$297,696	\$0	\$59,539	\$357,236	\$297,696	\$5,954	\$322,776
Fence (ft.) 382		2,500,704	\$1,825,514	\$0	\$365,103	\$2,190,617	\$1,825,514	\$182,551	\$2,594,487
Grade Stabilization Structure (no.) 410		1,250	\$6,364,198	\$0	\$1,272,840	\$7,637,037	\$6,364,198	\$381,852	\$7,972,697
Heavy Use Area Protection (ac.) 561		625	\$16,324,471	\$0	\$3,264,894	\$19,589,365	\$16,324,471	\$1,632,447	\$23,200,932
Mulching (ac.) 484		625	\$0	\$187,553	\$37,511	\$204,621	\$0	\$62,518	\$96,237
Pasture and Hay Planting (ac.) 512		62,518	\$4,224,627	\$0	\$844,925	\$5,069,552	\$4,224,627	\$168,985	\$4,936,453
Pipeline (ft.) 516		1,250,352	\$1,344,128	\$0	\$268,826	\$1,612,954	\$1,344,128	\$0	\$1,344,128
Use Exclusion (ac.) 472		625	\$1,563	\$0	\$313	\$1,876	\$1,563	\$94	\$1,958
Watering Facility (no.) 614		2,501	\$1,135,782	\$0	\$227,156	\$1,362,939	\$1,135,782	\$45,431	\$1,327,155
<b>Subtotal</b>			<b>\$31,517,979</b>	<b>\$187,553</b>	<b>\$6,341,106</b>	<b>\$38,026,196</b>	<b>\$31,517,979</b>	<b>\$2,479,832</b>	<b>\$41,796,823</b>
<b>Resource Management System (RMS) Acres Treated</b>		2193.6							
Brush Management (ac.) 314		439	\$19,455	\$0	\$3,891	\$23,346	\$19,455	\$389	\$21,094
Critical Area Planting (ac.) 342		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fence (ft.) 382		54,840	\$40,033	\$0	\$8,007	\$48,040	\$40,033	\$4,003	\$56,897
Forage Harvest Management (ac.) 511		2,194	\$8,774	\$0	\$1,755	\$10,529	\$8,774	\$2,632	\$19,863
Grade Stabilization Structure (no.) 410		22	\$111,653	\$0	\$22,331	\$133,983	\$111,653	\$6,699	\$139,872
Heavy Use Area Protection (ac.) 561		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Mulching (ac.) 484		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		2,194	\$0	\$83,379	\$16,676	\$90,967	\$0	\$27,793	\$42,783
Pasture and Hay Planting (ac.) 512		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pest Management (ac.) 595		2,194	\$0	\$140,434	\$28,087	\$153,214	\$0	\$46,811	\$72,059
Pipeline (ft.) 516		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Grazing (ac.) 528		2,194	\$9,652	\$0	\$1,930	\$11,582	\$9,652	\$0	\$9,652
Upland Wildlife Habitat Management (ac.) 645		44	\$0	\$1,974	\$395	\$2,154	\$0	\$658	\$1,013
Use Exclusion (ac.) 472		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Watering Facility (no.) 614		44	\$19,926	\$0	\$3,985	\$23,911	\$19,926	\$797	\$23,283
<b>Subtotal</b>			<b>\$209,493</b>	<b>\$225,787</b>	<b>\$87,056</b>	<b>\$497,726</b>	<b>\$209,493</b>	<b>\$89,783</b>	<b>\$386,516</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		64711.2	<b>\$31,727,472</b>	<b>\$413,340</b>	<b>\$6,428,162</b>	<b>\$38,523,922</b>	<b>\$31,727,472</b>	<b>\$2,569,615</b>	<b>\$42,183,339</b>

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="Upper Grand Forestland"/>	Watershed Code	<input type="text" value="10280101"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Forestland"/>	Landuse Acres	<input type="text" value="229,800"/>	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="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	90%	206,820	Baseline	95%	196,479	Baseline	86%	196,479	196,479	0
			Progressive	5%	10,341					
			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%	22,980	Progressive	100%	22,980	Progressive	15%	33,321	22,980	10,341
			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
<b>Grand Totals</b>	<b>100%</b>	<b>229,800</b>					<b>100%</b>	<b>229,800</b>	<b>219,459</b>	<b>10,341</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)

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Next

Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
338	0.0%	0.0%	x 70.0%	PERCENT of TU	Prescribed Burning (ac.) 338
382	x 1,000	x 1,000	x 1,000	FEET per TU	Fence (ft.) 382
409	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Prescribed Forestry (ac.) 409
410	x 1	x 1	x 1	NUMBER per TU	Grade Stabilization Structure (no.) 410
472	x 100.0%	x 100.0%	x 100.0%	PERCENT of TU	Use Exclusion (ac.) 472
490	x 20.0%	x 20.0%	x 20.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
612	x 20.0%	x 20.0%	x 20.0%	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
655	0.0%	x 1.0%	x 1.0%	PERCENT of TU	Forest Trails & Landings (ac.) 655
660	0.0%	0.0%	x 2.0%	PERCENT of TU	Tree/Shrub Pruning (ac.) 660
666	0.0%	x 0.0%	x 100.0%	PERCENT of TU	Forest Stand Improvement (ac.) 666
384	0.0%	100.0%	100.0%	PERCENT of TU	Forest Slash Treatment (ac.) 384
643	0.0%	0.0%	100.0%	PERCENT of TU	Restoration and Management of Declining Habitats (ac.) 643
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

Help

WATERSHED NAME & CODE		UPPER GRAND FORESTLAND - 10280101			LANDUSE ACRES		229,800		
LANDUSE TYPE		FORESTLAND			TYPICAL UNIT SIZE ACRES		30		
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 – Classic Gully	Soil Erosion – Streambank	Plant Condition – Productivity, Health and Vigor	Plants not adapted or suited
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>3</b>	<b>2</b>	<b>4</b>	<b>4</b>	
<b>Total Acreage at Baseline Level</b>		<b>206,820</b>	<b>196,479</b>	<b>0</b>	<b>196,479</b>				
Fence (ft.) 382		6,894,000	6,549,300	0	6,549,300	0	0	0	
Grade Stabilization Structure (no.) 410		6,894	6,549	0	6,549	5	3	0	
Tree/Shrub Establishment (ac.) 612		41,364	39,296	0	39,296	2	0	5	
Tree/Shrub Site Preparation (ac.) 490		41,364	39,296	0	39,296	-2	0	5	
Use Exclusion (ac.) 472		206,820	196,479	0	196,479	2	2	4	
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>4</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at Progressive Level</b>		<b>22,980</b>	<b>22,980</b>	<b>10,341</b>	<b>33,321</b>				
Fence (ft.) 382		766,000	1,110,700	0	1,110,700	0	0	0	
Forest Stand Improvement (ac.) 666		0	0	0	0	3	0	5	
Forest Trails and Landings (ac.) 655		230	230	103	333	1	0	2	
Grade Stabilization Structure (no.) 410		766	1,111	0	1,111	5	3	0	
Prescribed Forestry (ac.) 409		22,980	22,980	10,341	33,321	2	5	5	
Tree/Shrub Establishment (ac.) 612		4,596	6,664	0	6,664	2	0	5	
Tree/Shrub Site Preparation (ac.) 490		4,596	6,664	0	6,664	-2	0	5	
Upland Wildlife Habitat Management (ac.) 645		22,980	22,980	10,341	33,321	2	1	4	
Use Exclusion (ac.) 472		22,980	33,321	0	33,321	2	2	4	
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>4</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at RMS Level</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>				
Fence (ft.) 382		0	0	0	0	0	0	0	
Forest Stand Improvement (ac.) 666		0	0	0	0	3	0	5	
Forest Trails and Landings (ac.) 655		0	0	0	0	1	0	2	
Grade Stabilization Structure (no.) 410		0	0	0	0	5	3	0	
Prescribed Burning (ac.) 338		0	0	0	0	1	1	5	
Prescribed Forestry (ac.) 409		0	0	0	0	2	5	5	
Tree/Shrub Establishment (ac.) 612		0	0	0	0	2	0	5	
Tree/Shrub Pruning (ac.) 660		0	0	0	0	0	0	5	
Tree/Shrub Site Preparation (ac.) 490		0	0	0	0	-2	0	5	
Upland Wildlife Habitat Management (ac.) 645		0	0	0	0	2	1	4	
Use Exclusion (ac.) 472		0	0	0	0	2	2	4	

WATERSHED NAME & CODE		UPPER GRAND FORESTLAND - 10280101				LANDUSE ACRES		229,800	
LANDUSE TYPE		FORESTLAND				TYPICAL UNIT SIZE ACRES		30	
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>10,341</b>							
Fence (ft.) 382	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forest Stand Improvement (ac.) 666	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forest Trails and Landings (ac.) 655	103	\$61,608	\$0	\$12,322	\$73,930	\$61,608	\$2,464	\$71,989	
Grade Stabilization Structure (no.) 410	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Forestry (ac.) 409	10,341	\$258,525	\$0	\$51,705	\$310,230	\$258,525	\$0	\$258,525	
Tree/Shrub Establishment (ac.) 612	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tree/Shrub Site Preparation (ac.) 490	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Upland Wildlife Habitat Management (ac.) 645	10,341	\$0	\$465,345	\$93,069	\$507,693	\$0	\$155,115	\$238,777	
Use Exclusion (ac.) 472	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>		<b>\$320,133</b>	<b>\$465,345</b>	<b>\$157,096</b>	<b>\$891,853</b>	<b>\$320,133</b>	<b>\$157,579</b>	<b>\$569,290</b>	
<b>Resource Management System (RMS) Acres Treated</b>		<b>0</b>							
Fence (ft.) 382	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forest Stand Improvement (ac.) 666	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forest Trails and Landings (ac.) 655	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grade Stabilization Structure (no.) 410	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Burning (ac.) 338	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Forestry (ac.) 409	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tree/Shrub Establishment (ac.) 612	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tree/Shrub Pruning (ac.) 660	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tree/Shrub Site Preparation (ac.) 490	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Upland Wildlife Habitat Management (ac.) 645	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Use Exclusion (ac.) 472	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>0</b>	<b>\$320,133</b>	<b>\$465,345</b>	<b>\$157,096</b>	<b>\$891,853</b>	<b>\$320,133</b>	<b>\$157,579</b>	<b>\$569,290</b>

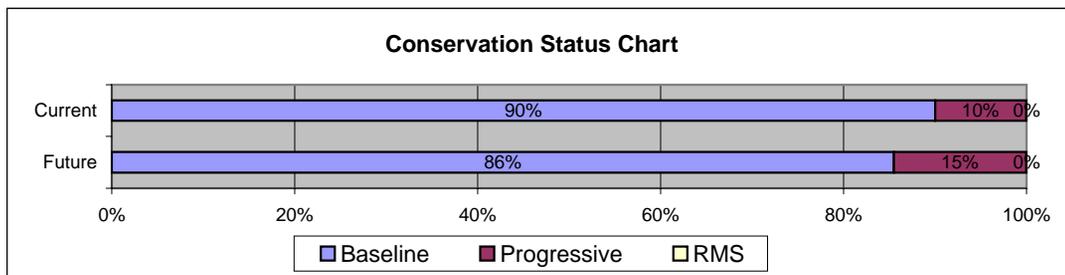


Chart Refers To	
Landuse Type	FORESTLAND
Estimated Participation Rate	5%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$86	\$55
RMS	--	--

Estimated FTE per Year	0.3
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WATERSHED NAME & CODE		UPPER GRAND FORESTLAND - 10280101						LANDUSE ACRES			229,800
LANDUSE TYPE		FORESTLAND						TYPICAL UNIT SIZE ACRES			30
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	District	
<b>Progressive System Acres Treated</b>	<b>10,341</b>										
Fence (ft.) 382	0	X	X								
Forest Stand Improvement (ac.) 666	0	X	X								
Forest Trails and Landings (ac.) 655	103	X									
Grade Stabilization Structure (no.) 410	0	X	X								
Prescribed Forestry (ac.) 409	10,341	X	X								
Tree/Shrub Establishment (ac.) 612	0	X	X	X							
Tree/Shrub Site Preparation (ac.) 490	0	X	X	X							
Upland Wildlife Habitat Management (ac.) 645	10,341	X	X								
Use Exclusion (ac.) 472	0	X	X	X							
<b>Resource Management System (RMS) Acres Treated</b>	<b>0</b>										
Fence (ft.) 382	0	X	X								
Forest Stand Improvement (ac.) 666	0	X	X								
Forest Trails and Landings (ac.) 655	0	X									
Grade Stabilization Structure (no.) 410	0	X	X								
Prescribed Burning (ac.) 338	0	X	X								
Prescribed Forestry (ac.) 409	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							

WATERSHED NAME & CODE		UPPER GRAND FORESTLAND - 10280101				LANDUSE ACRES		229,800	
LANDUSE TYPE		FORESTLAND				TYPICAL UNIT SIZE ACRES		30	
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 – Classic Gully	Soil Erosion – Streambank	Plant Condition – Productivity, Health and Vigor	Plants not adapted or suited
<b>Baseline System</b>		System Rating ->				3	2	4	4
Total Acreage at Baseline Level		206,820	196,479	0	196,479				
Fence (ft.) 382		6,894,000	6,549,300	0	6,549,300	0	0	0	0
Grade Stabilization Structure (no.) 410		6,894	6,549	0	6,549	5	3	0	0
Tree/Shrub Establishment (ac.) 612		41,364	39,296	0	39,296	2	0	5	5
Tree/Shrub Site Preparation (ac.) 490		41,364	39,296	0	39,296	-2	0	5	4
Use Exclusion (ac.) 472		206,820	196,479	0	196,479	2	2	4	3
<b>Progressive System</b>		System Rating ->				4	4	5	5
Total Acreage at Progressive Level		22,980	22,980	10,341	33,321				
Fence (ft.) 382		766,000	1,110,700	0	1,110,700	0	0	0	0
Forest Stand Improvement (ac.) 666		0	0	0	0	3	0	5	4
Forest Trails and Landings (ac.) 655		230	230	103	333	1	0	2	4
Grade Stabilization Structure (no.) 410		766	1,111	0	1,111	5	3	0	0
Prescribed Forestry (ac.) 409		22,980	22,980	10,341	33,321	2	5	5	5
Tree/Shrub Establishment (ac.) 612		4,596	6,664	0	6,664	2	0	5	5
Tree/Shrub Site Preparation (ac.) 490		4,596	6,664	0	6,664	-2	0	5	4
Upland Wildlife Habitat Management (ac.) 645		22,980	22,980	10,341	33,321	2	1	4	4
Use Exclusion (ac.) 472		22,980	33,321	0	33,321	2	2	4	3
<b>Resource Management System (RMS)</b>		System Rating ->				4	4	5	5
Total Acreage at RMS Level		0	0	0	0				
Fence (ft.) 382		0	0	0	0	0	0	0	0
Forest Stand Improvement (ac.) 666		0	0	0	0	3	0	5	4
Forest Trails and Landings (ac.) 655		0	0	0	0	1	0	2	4
Grade Stabilization Structure (no.) 410		0	0	0	0	5	3	0	0
Prescribed Burning (ac.) 338		0	0	0	0	1	1	5	4
Prescribed Forestry (ac.) 409		0	0	0	0	2	5	5	5
Tree/Shrub Establishment (ac.) 612		0	0	0	0	2	0	5	5
Tree/Shrub Pruning (ac.) 660		0	0	0	0	0	0	5	0
Tree/Shrub Site Preparation (ac.) 490		0	0	0	0	-2	0	5	4
Upland Wildlife Habitat Management (ac.) 645		0	0	0	0	2	1	4	4
Use Exclusion (ac.) 472		0	0	0	0	2	2	4	3
<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>		10341							
Fence (ft.) 382		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forest Stand Improvement (ac.) 666		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forest Trails and Landings (ac.) 655		103	\$61,608	\$0	\$12,322	\$73,930	\$61,608	\$2,464	\$71,989
Grade Stabilization Structure (no.) 410		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Forestry (ac.) 409		10,341	\$258,525	\$0	\$51,705	\$310,230	\$258,525	\$0	\$258,525
Tree/Shrub Establishment (ac.) 612		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		10,341	\$0	\$465,345	\$93,069	\$507,693	\$0	\$155,115	\$238,777
Use Exclusion (ac.) 472		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>			\$320,133	\$465,345	\$157,096	\$891,853	\$320,133	\$157,579	\$569,290
<b>Resource Management System (RMS) Acres Treated</b>		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
Forest Trails and Landings (ac.) 655		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grade Stabilization Structure (no.) 410		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Burning (ac.) 338		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Forestry (ac.) 409		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
<b>Subtotal</b>			\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		10341	\$320,133	\$465,345	\$157,096	\$891,853	\$320,133	\$157,579	\$569,290

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