

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Sny River"/>	Watershed Code	<input type="text" value="07110004"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Pastureland"/>	Landuse Acres	<input type="text" value="91,600"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="40"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	<input type="text" value="8%"/>	COMPARE	<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%	82,440	Baseline	95%	78,318	Baseline	86%	78,318	78,318	0
			Progressive	5%	4,122					
			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	8%	7,328	Progressive	99%	7,255	Progressive	12%	11,377	7,255	4,122
			RMS	1%	73					
			<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	2%	1,832	RMS	100%	1,832	RMS	2%	1,905	1,832	73
Grand Totals	100%	91,600					100%	91,600	87,405	4,195

DOCUMENTATION SECTION

PRACTICE FACTOR SHEET

Only shaded practices are in this analysis.

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

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

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Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
314	x 20.0%	x 20.0%	x 20.0%	PERCENT of TU	Brush Management (ac.) 314
378	x 2	x 2	x 2	NUMBER per TU	Pond (no.) 378
382	x 5,280	x 7,920	x 10,560	FEET per TU	Fence (ft.) 382
472	0.0%	12.0%	x 12.0%	PERCENT of TU	Use Exclusion (ac.) 472
511	0.0%	x 50.0%	x 100.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	0.0%	x 15.0%	x 20.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
528	0.0%	x 50.0%	x 100.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
533	0	0	x 1	NUMBER per TU	Pumping Plant (no.) 533
590	0.0%	0.0%	x 50.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	x 50.0%	x 70.0%	PERCENT of TU	Pest Management (ac.) 595
562	100.0%	100.0%	100.0%	PERCENT of TU	Recreation Area Improvement (ac.) 562
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
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
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

Help

WATERSHED NAME & CODE		SNY RIVER - 07110004			LANDUSE ACRES		91,600		
LANDUSE TYPE		PASTURELAND			TYPICAL UNIT SIZE ACRES		40		
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	Plant Condition – Forage Quality and Palatability	Domestic Animals – Inadequate Quantities and Quality of Feed	Domestic Animals – Inadequate Stock Water
Baseline System		System Rating ->			3	2	2	3	
Total Acreage at Baseline Level		82,440	78,318	0	78,318				
Brush Management (ac.) 314		16,488	15,664	0	15,664	3	4	4	0
Fence (ft.) 382		10,882,080	10,337,976	0	10,337,976	0	0	0	0
Pond (no.) 378		4,122	3,916	0	3,916	4	0	0	5
Progressive System		System Rating ->			3	5	5	3	
Total Acreage at Progressive Level		7,328	7,255	4,122	11,377				
Brush Management (ac.) 314		1,466	2,275	0	2,275	3	4	4	0
Fence (ft.) 382		1,450,944	1,980,539	272,052	2,252,591	0	0	0	0
Forage Harvest Management (ac.) 511		3,664	3,627	2,061	5,688	0	4	4	0
Pasture and Hay Planting (ac.) 512		1,099	1,088	618	1,707	1	5	5	0
Pest Management (ac.) 595		3,664	3,627	2,061	5,688	0	4	4	0
Pond (no.) 378		366	569	0	569	4	0	0	5
Prescribed Grazing (ac.) 528		3,664	3,627	2,061	5,688	2	4	5	0
Resource Management System (RMS)		System Rating ->			3	5	5	4	
Total Acreage at RMS Level		1,832	1,832	73	1,905				
Brush Management (ac.) 314		366	381	0	381	3	4	4	0
Fence (ft.) 382		483,648	498,157	4,836	502,994	0	0	0	0
Forage Harvest Management (ac.) 511		1,832	1,869	37	1,905	0	4	4	0
Nutrient Management (ac.) 590		916	916	37	953	0	4	4	0
Pasture and Hay Planting (ac.) 512		366	377	4	381	1	5	5	0
Pest Management (ac.) 595		1,282	1,319	15	1,334	0	4	4	0
Pond (no.) 378		92	95	0	95	4	0	0	5
Prescribed Grazing (ac.) 528		1,832	1,869	37	1,905	2	4	5	0
Pumping Plant (no.) 533		46	46	2	48	0	0	0	5
Use Exclusion (ac.) 472		220	220	9	229	2	4	4	1

WATERSHED NAME & CODE		SNY RIVER - 07110004						LANDUSE ACRES			91,600	
LANDUSE TYPE		PASTURELAND						TYPICAL UNIT SIZE ACRES			40	
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
Progressive System Acres Treated		4,122										
Brush Management (ac.) 314	0	X	X									
Fence (ft.) 382	272,052	X	X									
Forage Harvest Management (ac.) 511	2,061	X										
Pasture and Hay Planting (ac.) 512	618	X	X									
Pest Management (ac.) 595	2,061	X	X									
Pond (no.) 378	0	X										
Prescribed Grazing (ac.) 528	2,061	X	X									
Resource Management System (RMS) Acres Treated		73										
Brush Management (ac.) 314	0	X	X									
Fence (ft.) 382	4,836	X	X									
Forage Harvest Management (ac.) 511	37	X										
Nutrient Management (ac.) 590	37	X	X									
Pasture and Hay Planting (ac.) 512	4	X	X									
Pest Management (ac.) 595	15	X	X									
Pond (no.) 378	0	X										
Prescribed Grazing (ac.) 528	37	X	X									
Pumping Plant (no.) 533	2	X	X									
Use Exclusion (ac.) 472	9	X	X	X								

WATERSHED NAME & CODE		SNY RIVER - 07110004				LANDUSE ACRES		91,600	
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		40	
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	Plant Condition – Forage Quality and Palatability	Domestic Animals – Inadequate Quantities and Quality of Feed and Forage	Domestic Animals – Inadequate Stock Water
Baseline System		System Rating ->				3	2	2	3
Total Acreage at Baseline Level		82,440	78,318	0	78,318				
Brush Management (ac.) 314		16,488	15,664	0	15,664	3	4	4	0
Fence (ft.) 382		10,882,080	10,337,976	0	10,337,976	0	0	0	0
Pond (no.) 378		4,122	3,916	0	3,916	4	0	0	5
Progressive System		System Rating ->				3	5	5	3
Total Acreage at Progressive Level		7,328	7,255	4,122	11,377				
Brush Management (ac.) 314		1,466	2,275	0	2,275	3	4	4	0
Fence (ft.) 382		1,450,944	1,980,539	272,052	2,252,591	0	0	0	0
Forage Harvest Management (ac.) 511		3,664	3,627	2,061	5,688	0	4	4	0
Pasture and Hay Planting (ac.) 512		1,099	1,088	618	1,707	1	5	5	0
Pest Management (ac.) 595		3,664	3,627	2,061	5,688	0	4	4	0
Pond (no.) 378		366	569	0	569	4	0	0	5
Prescribed Grazing (ac.) 528		3,664	3,627	2,061	5,688	2	4	5	0
Resource Management System (RMS)		System Rating ->				3	5	5	4
Total Acreage at RMS Level		1,832	1,832	73	1,905				
Brush Management (ac.) 314		366	381	0	381	3	4	4	0
Fence (ft.) 382		483,648	498,157	4,836	502,994	0	0	0	0
Forage Harvest Management (ac.) 511		1,832	1,869	37	1,905	0	4	4	0
Nutrient Management (ac.) 590		916	916	37	953	0	4	4	0
Pasture and Hay Planting (ac.) 512		366	377	4	381	1	5	5	0
Pest Management (ac.) 595		1,282	1,319	15	1,334	0	4	4	0
Pond (no.) 378		92	95	0	95	4	0	0	5
Prescribed Grazing (ac.) 528		1,832	1,869	37	1,905	2	4	5	0
Pumping Plant (no.) 533		46	46	2	48	0	0	0	5
Use Exclusion (ac.) 472		220	220	9	229	2	4	4	1
CONSERVATION INVESTMENT INFORMATION									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT			PRIVATE INVESTMENT			
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		4122							
Brush Management (ac.) 314		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fence (ft.) 382		272,052	\$198,598	\$0	\$39,720	\$238,318	\$198,598	\$19,860	\$282,255
Forage Harvest Management (ac.) 511		2,061	\$8,244	\$0	\$1,649	\$9,893	\$8,244	\$2,473	\$18,662
Pasture and Hay Planting (ac.) 512		618	\$41,782	\$0	\$8,356	\$50,138	\$41,782	\$1,671	\$48,822
Pest Management (ac.) 595		2,061	\$0	\$131,945	\$26,389	\$143,953	\$0	\$43,982	\$67,703
Pond (no.) 378		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Grazing (ac.) 528		2,061	\$9,068	\$0	\$1,814	\$10,882	\$9,068	\$0	\$9,068
Subtotal			\$257,692	\$131,945	\$77,927	\$453,183	\$257,692	\$67,986	\$426,510
Resource Management System (RMS) Acres Treated		73.28							
Brush Management (ac.) 314		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fence (ft.) 382		4,836	\$3,531	\$0	\$706	\$4,237	\$3,531	\$353	\$5,018
Forage Harvest Management (ac.) 511		37	\$147	\$0	\$29	\$176	\$147	\$44	\$332
Nutrient Management (ac.) 590		37	\$0	\$1,393	\$279	\$1,519	\$0	\$464	\$715
Pasture and Hay Planting (ac.) 512		4	\$248	\$0	\$50	\$297	\$248	\$10	\$289
Pest Management (ac.) 595		15	\$0	\$938	\$188	\$1,024	\$0	\$313	\$481
Pond (no.) 378		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Grazing (ac.) 528		37	\$161	\$0	\$32	\$193	\$161	\$0	\$161
Pumping Plant (no.) 533		2	\$7,330	\$0	\$1,466	\$8,796	\$7,330	\$293	\$8,565
Use Exclusion (ac.) 472		9	\$22	\$0	\$4	\$26	\$22	\$1	\$28
Subtotal			\$11,438	\$2,331	\$2,754	\$16,269	\$11,438	\$1,478	\$15,589
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		4195.28	\$269,130	\$134,276	\$80,681	\$469,452	\$269,130	\$69,464	\$442,099

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="Sny River"/>	Watershed Code	<input type="text" value="07110004"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Cultivated Cropland"/>	Landuse Acres	<input type="text" value="313,900"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="160"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	<input type="text" value="15%"/>	COMPARE	<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	18%	56,502	Baseline	85%	48,027	Baseline	15%	48,027	48,027	0
			Progressive	10%	5,650					
			RMS	5%	2,825					
			<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	70%	219,730	Progressive	95%	208,744	Progressive	68%	214,394	208,744	5,650
			RMS	5%	10,987					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	12%	37,668	RMS	100%	37,668	RMS	16%	51,480	37,668	13,812
Grand Totals	100%	313,900					100%	313,900	294,438	19,462

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
328	x 100.0%	x 100.0%	x 100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	0.0%	x 50.0%	x 70.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
344	x 100.0%	0.0%	0.0%	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
378	x 1	x 1	x 2	NUMBER per TU	Pond (no.) 378
410	x 1	x 1	x 2	NUMBER per TU	Grade Stabilization Structure (no.) 410
412	x 1.0%	x 1.0%	x 2.0%	PERCENT of TU	Grassed Waterway (ac.) 412
590	0.0%	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 20,000	x 30,000	FEET per TU	Terrace (ft.) 600
620	0	x 7,500	x 12,500	FEET per TU	Underground Outlet (ft.) 620
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plasti
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464
533	1	1	1	NUMBER per TU	Pumping Plant (no.) 533
554	100.0%	100.0%	100.0%	PERCENT of TU	Drainage Water Management (ac.) 554
587	3	2	1	NUMBER per TU	Structure for Water Control (no.) 587
607	2,640	1,320	1,320	FEET per TU	Surface Drainage, Field Ditch (ft.) 607
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



WATERSHED NAME & CODE		SNY RIVER - 07110004			LANDUSE ACRES		313,900		
LANDUSE TYPE		CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		160		
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 – Sheet and Rill	Soil Erosion – Ephemeral Gully	Soil Condition – Compaction	Plant Condition – Noxious and Invasive Plants
Baseline System		System Rating ->				4	4	2	4
Total Acreage at Baseline Level		56,502	48,027	0	48,027				
Pest Management (ac.) 595		0	0	0	0	0	0	2	5
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		0	0	0	0	5	5	2	0
Conservation Crop Rotation (ac.) 328		56,502	48,027	0	48,027	4	2	2	3
Grade Stabilization Structure (no.) 410		353	300	0	300	0	0	0	0
Grassed Waterway (ac.) 412		565	480	0	480	0	5	0	4
Progressive System		System Rating ->				5	5	2	4
Total Acreage at Progressive Level		219,730	208,744	5,650	214,394				
Pest Management (ac.) 595		0	0	0	0	0	0	2	5
Residue Management, Seasonal (ac.) 344		0	0	0	0	2	1	0	0
Conservation Crop Rotation (ac.) 328		219,730	214,394	0	214,394	4	2	2	3
Grade Stabilization Structure (no.) 410		1,373	1,340	0	1,340	0	0	0	0
Grassed Waterway (ac.) 412		2,197	2,144	0	2,144	0	5	0	4
Pond (no.) 378		1,373	1,305	35	1,340	0	0	0	0
Residue and Tillage Management, Mulch Till (ac.) 345		219,730	208,744	5,650	214,394	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		109,865	104,372	2,825	107,197	5	5	2	0
Terrace (ft.) 600		27,466,250	26,092,938	706,275	26,799,213	5	4	-1	0
Underground Outlet (ft.) 620		10,299,844	9,784,852	264,853	10,049,705	0	5	0	0
Resource Management System (RMS)		System Rating ->				5	5	1	4
Total Acreage at RMS Level		37,668	37,668	13,812	51,480				
Conservation Crop Rotation (ac.) 328		37,668	51,480	0	51,480	4	2	2	3
Residue Management, Seasonal (ac.) 344		0	0	0	0	2	1	0	0
Grade Stabilization Structure (no.) 410		471	557	86	643	0	0	0	0
Grassed Waterway (ac.) 412		753	891	138	1,030	0	5	0	4
Nutrient Management (ac.) 590		37,668	37,668	13,812	51,480	0	0	-2	0
Pest Management (ac.) 595		37,668	37,668	13,812	51,480	0	0	2	5
Pond (no.) 378		471	540	104	643	0	0	0	0
Residue and Tillage Management, Mulch Till (ac.) 345		37,668	48,655	2,825	51,480	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		26,368	31,861	4,175	36,036	5	5	2	0
Terrace (ft.) 600		7,062,750	8,436,063	1,216,363	9,652,425	5	4	-1	0
Underground Outlet (ft.) 620		2,942,813	3,457,805	564,039	4,021,844	0	5	0	0

WATERSHED NAME & CODE		SNY RIVER - 07110004				LANDUSE ACRES		313,900	
LANDUSE TYPE		CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		160	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		7%	
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		5,650							
Pest Management (ac.) 595	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Residue Management, Seasonal (ac.) 344	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Conservation Crop Rotation (ac.) 328	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grade Stabilization Structure (no.) 410	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grassed Waterway (ac.) 412	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pond (no.) 378	35	\$105,941	\$0	\$21,188	\$127,130	\$105,941	\$4,238	\$123,792	
Residue and Tillage Management, Mulch Till (ac.) 345	5,650	\$0	\$169,506	\$33,901	\$184,932	\$0	\$56,502	\$86,976	
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	2,825	\$0	\$153,657	\$30,731	\$167,641	\$0	\$51,219	\$78,844	
Terrace (ft.) 600	706,275	\$723,932	\$0	\$144,786	\$868,718	\$723,932	\$28,957	\$845,910	
Underground Outlet (ft.) 620	264,853	\$56,943	\$0	\$11,389	\$68,332	\$56,943	\$3,417	\$71,335	
Subtotal		\$886,817	\$323,163	\$241,996	\$1,416,752	\$886,817	\$144,333	\$1,206,858	
Resource Management System (RMS) Acres Treated		13,812							
Conservation Crop Rotation (ac.) 328	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Residue Management, Seasonal (ac.) 344	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grade Stabilization Structure (no.) 410	86	\$439,375	\$0	\$87,875	\$527,250	\$439,375	\$26,363	\$550,424	
Grassed Waterway (ac.) 412	138	\$140,759	\$0	\$28,152	\$168,911	\$140,759	\$8,446	\$176,334	
Nutrient Management (ac.) 590	13,812	\$0	\$524,979	\$104,996	\$572,754	\$0	\$174,993	\$269,376	
Pest Management (ac.) 595	13,812	\$0	\$884,219	\$176,844	\$964,686	\$0	\$294,740	\$453,708	
Pond (no.) 378	104	\$311,938	\$0	\$62,388	\$374,326	\$311,938	\$12,478	\$364,498	
Residue and Tillage Management, Mulch Till (ac.) 345	2,825	\$0	\$84,753	\$16,951	\$92,466	\$0	\$28,251	\$43,488	
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	4,175	\$0	\$227,071	\$45,414	\$247,736	\$0	\$75,690	\$116,514	
Terrace (ft.) 600	1,216,363	\$1,246,772	\$0	\$249,354	\$1,496,126	\$1,246,772	\$49,871	\$1,456,846	
Underground Outlet (ft.) 620	564,039	\$121,268	\$0	\$24,254	\$145,522	\$121,268	\$7,276	\$151,918	
Subtotal		\$2,260,112	\$1,721,022	\$796,227	\$4,589,776	\$2,260,112	\$678,106	\$3,583,106	
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		0	\$3,146,929	\$2,044,185	\$1,038,223	\$6,006,528	\$3,146,929	\$822,439	\$4,789,964

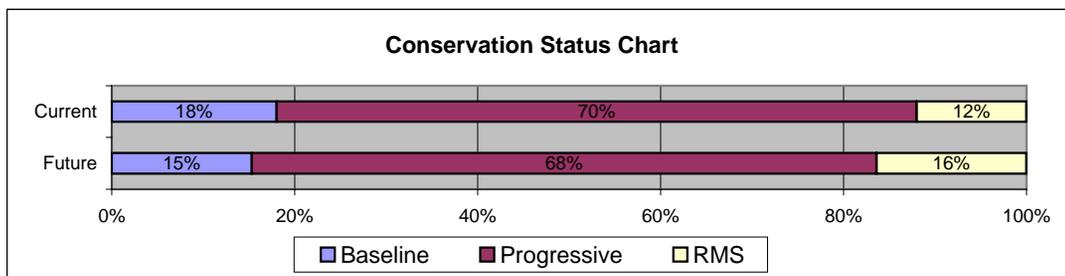


Chart Refers To	
Landuse Type	CULTIVATED CROPLAND
Estimated Participation Rate	7%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$251	\$214
RMS	\$332	\$259

Estimated FTE per Year	2.1
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WATERSHED NAME & CODE		SNY RIVER - 07110004						LANDUSE ACRES			313,900	
LANDUSE TYPE		CULTIVATED CROPLAND						TYPICAL UNIT SIZE ACRES			160	
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		District
Progressive System Acres Treated		5,650										
Pest Management (ac.) 595	0	X	X									
Residue Management, Seasonal (ac.) 344	0	X										
Conservation Crop Rotation (ac.) 328	0	X	X									
Grade Stabilization Structure (no.) 410	0	X	X									
Grassed Waterway (ac.) 412	0	X	X				X					
Pond (no.) 378	35	X										
Residue and Tillage Management, Mulch Till (ac.) 345	5,650	X										
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	2,825	X	X									
Terrace (ft.) 600	706,275	X	X				X					
Underground Outlet (ft.) 620	264,853	X	X									
Resource Management System (RMS) Acres Treated		13,812										
Conservation Crop Rotation (ac.) 328	0	X	X									
Residue Management, Seasonal (ac.) 344	0	X										
Grade Stabilization Structure (no.) 410	86	X	X									
Grassed Waterway (ac.) 412	138	X	X				X					
Nutrient Management (ac.) 590	13,812	X	X									
Pest Management (ac.) 595	13,812	X	X									
Pond (no.) 378	104	X										
Residue and Tillage Management, Mulch Till (ac.) 345	2,825	X										
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	4,175	X	X									
Terrace (ft.) 600	1,216,363	X	X				X					
Underground Outlet (ft.) 620	564,039	X	X									

WATERSHED NAME & CODE		SNY RIVER - 07110004				LANDUSE ACRES		313,900	
LANDUSE TYPE		CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		160	
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 – Sheet and Rill	Soil Erosion – Ephemeral Gully	Soil Condition – Compaction	Plant Condition – Noxious and Invasive Plants
Baseline System		System Rating ->				4	4	2	4
Total Acreage at Baseline Level		56,502	48,027	0	48,027				
Pest Management (ac.) 595		0	0	0	0	0	0	2	5
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		0	0	0	0	5	5	2	0
Conservation Crop Rotation (ac.) 328		56,502	48,027	0	48,027	4	2	2	3
Grade Stabilization Structure (no.) 410		353	300	0	300	0	0	0	0
Grassed Waterway (ac.) 412		565	480	0	480	0	5	0	4
Progressive System		System Rating ->				5	5	2	4
Total Acreage at Progressive Level		219,730	208,744	5,650	214,394				
Pest Management (ac.) 595		0	0	0	0	0	0	2	5
Residue Management, Seasonal (ac.) 344		0	0	0	0	2	1	0	0
Conservation Crop Rotation (ac.) 328		219,730	214,394	0	214,394	4	2	2	3
Grade Stabilization Structure (no.) 410		1,373	1,340	0	1,340	0	0	0	0
Grassed Waterway (ac.) 412		2,197	2,144	0	2,144	0	5	0	4
Pond (no.) 378		1,373	1,305	35	1,340	0	0	0	0
Residue and Tillage Management, Mulch Till (ac.) 345		219,730	208,744	5,650	214,394	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		109,865	104,372	2,825	107,197	5	5	2	0
Terrace (ft.) 600		27,466,250	26,092,938	706,275	26,799,213	5	4	-1	0
Underground Outlet (ft.) 620		10,299,844	9,784,852	264,853	10,049,705	0	5	0	0
Resource Management System (RMS)		System Rating ->				5	5	1	4
Total Acreage at RMS Level		37,668	37,668	13,812	51,480				
Conservation Crop Rotation (ac.) 328		37,668	51,480	0	51,480	4	2	2	3
Residue Management, Seasonal (ac.) 344		0	0	0	0	2	1	0	0
Grade Stabilization Structure (no.) 410		471	557	86	643	0	0	0	0
Grassed Waterway (ac.) 412		753	891	138	1,030	0	5	0	4
Nutrient Management (ac.) 590		37,668	37,668	13,812	51,480	0	0	-2	0
Pest Management (ac.) 595		37,668	37,668	13,812	51,480	0	0	2	5
Pond (no.) 378		471	540	104	643	0	0	0	0
Residue and Tillage Management, Mulch Till (ac.) 345		37,668	48,655	2,825	51,480	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		26,368	31,861	4,175	36,036	5	5	2	0
Terrace (ft.) 600		7,062,750	8,436,063	1,216,363	9,652,425	5	4	-1	0
Underground Outlet (ft.) 620		2,942,813	3,457,805	564,039	4,021,844	0	5	0	0
CONSERVATION INVESTMENT INFORMATION									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		5650.2							
Pest Management (ac.) 595		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Residue Management, Seasonal (ac.) 344		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Conservation Crop Rotation (ac.) 328		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
Pond (no.) 378		35	\$105,941	\$0	\$21,188	\$127,130	\$105,941	\$4,238	\$123,792
Residue and Tillage Management, Mulch Till (ac.) 345		5,650	\$0	\$169,506	\$33,901	\$184,932	\$0	\$66,502	\$86,976
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		2,825	\$0	\$153,657	\$30,731	\$167,641	\$0	\$51,219	\$78,844
Terrace (ft.) 600		706,275	\$723,932	\$0	\$144,786	\$868,718	\$723,932	\$28,957	\$845,910
Underground Outlet (ft.) 620		264,853	\$56,943	\$0	\$11,389	\$68,332	\$56,943	\$3,417	\$71,335
Subtotal			\$886,817	\$323,163	\$241,996	\$1,416,752	\$886,817	\$144,333	\$1,206,858
Resource Management System (RMS) Acres Treated		13811.6							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Residue Management, Seasonal (ac.) 344		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grade Stabilization Structure (no.) 410		86	\$439,375	\$0	\$87,875	\$527,250	\$439,375	\$26,363	\$550,424
Grassed Waterway (ac.) 412		138	\$140,759	\$0	\$28,152	\$168,911	\$140,759	\$8,446	\$176,334
Nutrient Management (ac.) 590		13,812	\$0	\$524,979	\$104,996	\$572,754	\$0	\$174,993	\$269,376
Pest Management (ac.) 595		13,812	\$0	\$884,219	\$176,844	\$964,686	\$0	\$294,740	\$453,708
Pond (no.) 378		104	\$311,938	\$0	\$62,388	\$374,326	\$311,938	\$12,478	\$364,498
Residue and Tillage Management, Mulch Till (ac.) 345		2,825	\$0	\$84,753	\$16,951	\$92,466	\$0	\$28,251	\$43,488
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		4,175	\$0	\$227,071	\$45,414	\$247,736	\$0	\$75,690	\$116,514
Terrace (ft.) 600		1,216,363	\$1,246,772	\$0	\$249,354	\$1,496,126	\$1,246,772	\$49,871	\$1,456,846
Underground Outlet (ft.) 620		564,039	\$121,268	\$0	\$24,254	\$145,522	\$121,268	\$7,276	\$151,918
Subtotal			\$2,260,112	\$1,721,022	\$796,227	\$4,589,776	\$2,260,112	\$678,106	\$3,583,106
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		19461.8	\$3,146,929	\$2,044,185	\$1,038,223	\$6,006,528	\$3,146,929	\$822,439	\$4,789,964

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	100%	22,000	Baseline	95%	20,900	Baseline	95%	20,900	20,900	0
			Progressive	5%	1,100					
			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	0%	0	Progressive	0%	0	Progressive	5%	1,100	0	1,100
			RMS	0%	0					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	0%	0	RMS	100%	0	RMS	--	0	0	0
Grand Totals	100%	22,000					100%	22,000	20,900	1,100

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
342	x 10.0%	x 10.0%	x 10.0%	PERCENT of TU	Critical Area Planting (ac.) 342
348	0	0	x 1	NUMBER per TU	Dam, Diversion (no.) 348
378	x 1	x 1	x 1	NUMBER per TU	Pond (no.) 378
410	x 1	x 1	x 1	NUMBER per TU	Grade Stabilization Structure (no.) 410
490	6.0%	x 6.0%	x 6.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
560	0	0	x 1,000	FEET per TU	Access Road (ft.) 560
612	x 6.0%	x 6.0%	x 6.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
645	0.0%	0.0%	x 30.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plasti
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464
533	1	1	1	NUMBER per TU	Pumping Plant (no.) 533
554	100.0%	100.0%	100.0%	PERCENT of TU	Drainage Water Management (ac.) 554
587	3	2	1	NUMBER per TU	Structure for Water Control (no.) 587
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
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

Help

WATERSHED NAME & CODE		SNY RIVER - 07110004			LANDUSE ACRES		22,000		
LANDUSE TYPE		DEVELOPED LAND			TYPICAL UNIT SIZE ACRES		5		
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 – Ephemeral Gully	Soil Erosion – Classic Gully	Soil Erosion – Road, Roadsides and Construction Sites	Soil Condition – Damage from Sediment Deposition
Baseline System		System Rating ->			4	4	3	2	
Total Acreage at Baseline Level		22,000	20,900	0	20,900				
Critical Area Planting (ac.) 342		2,200	2,090	0	2,090	5	4	5	3
Grade Stabilization Structure (no.) 410		4,400	4,180	0	4,180	0	5	0	0
Pond (no.) 378		4,400	4,180	0	4,180	0	4	0	2
Tree/Shrub Establishment (ac.) 612		1,320	1,254	0	1,254	4	2	2	0
Progressive System		System Rating ->			3	4	3	2	
Total Acreage at Progressive Level		0	0	1,100	1,100				
Critical Area Planting (ac.) 342		0	110	0	110	5	4	5	3
Grade Stabilization Structure (no.) 410		0	220	0	220	0	5	0	0
Pond (no.) 378		0	220	0	220	0	4	0	2
Tree/Shrub Establishment (ac.) 612		0	66	0	66	4	2	2	0
Tree/Shrub Site Preparation (ac.) 490		0	0	66	66	-2	-2	0	0
Resource Management System (RMS)		System Rating ->			3	3	3	2	
Total Acreage at RMS Level		0	0	0	0				
Access Road (ft.) 560		0	0	0	0	1	-1	1	0
Critical Area Planting (ac.) 342		0	0	0	0	5	4	5	3
Dam, Diversion (no.) 348		0	0	0	0	0	0	0	0
Grade Stabilization Structure (no.) 410		0	0	0	0	0	5	0	0
Pond (no.) 378		0	0	0	0	0	4	0	2
Tree/Shrub Establishment (ac.) 612		0	0	0	0	4	2	2	0
Tree/Shrub Site Preparation (ac.) 490		0	0	0	0	-2	-2	0	0
Upland Wildlife Habitat Management (ac.) 645		0	0	0	0	3	2	0	0

WATERSHED NAME & CODE		SNY RIVER - 07110004				LANDUSE ACRES		22,000	
LANDUSE TYPE		DEVELOPED LAND				TYPICAL UNIT SIZE ACRES		5	
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 – Ephemeral Gully	Soil Erosion – Classic Gully	Soil Erosion – Road, Roadsides and Construction Sites	Soil Condition – Damage from Sediment Deposition
Baseline System		System Rating ->				4	4	3	2
Total Acreage at Baseline Level		22,000	20,900	0	20,900				
Critical Area Planting (ac.) 342		2,200	2,090	0	2,090	5	4	5	3
Grade Stabilization Structure (no.) 410		4,400	4,180	0	4,180	0	5	0	0
Pond (no.) 378		4,400	4,180	0	4,180	0	4	0	2
Tree/Shrub Establishment (ac.) 612		1,320	1,254	0	1,254	4	2	2	0
Progressive System		System Rating ->				3	4	3	2
Total Acreage at Progressive Level		0	0	1,100	1,100				
Critical Area Planting (ac.) 342		0	110	0	110	5	4	5	3
Grade Stabilization Structure (no.) 410		0	220	0	220	0	5	0	0
Pond (no.) 378		0	220	0	220	0	4	0	2
Tree/Shrub Establishment (ac.) 612		0	66	0	66	4	2	2	0
Tree/Shrub Site Preparation (ac.) 490		0	0	66	66	-2	-2	0	0
Resource Management System (RMS)		System Rating ->				3	3	3	2
Total Acreage at RMS Level		0	0	0	0				
Access Road (ft.) 560		0	0	0	0	1	-1	1	0
Critical Area Planting (ac.) 342		0	0	0	0	5	4	5	3
Dam, Diversion (no.) 348		0	0	0	0	0	0	0	0
Grade Stabilization Structure (no.) 410		0	0	0	0	0	5	0	0
Pond (no.) 378		0	0	0	0	0	4	0	2
Tree/Shrub Establishment (ac.) 612		0	0	0	0	4	2	2	0
Tree/Shrub Site Preparation (ac.) 490		0	0	0	0	-2	-2	0	0
Upland Wildlife Habitat Management (ac.) 645		0	0	0	0	3	2	0	0
CONSERVATION INVESTMENT INFORMATION									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		1100							
Critical Area Planting (ac.) 342		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grade Stabilization Structure (no.) 410		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pond (no.) 378		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tree/Shrub Establishment (ac.) 612		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tree/Shrub Site Preparation (ac.) 490		66	\$0	\$8,868	\$1,774	\$9,675	\$0	\$2,956	\$4,551
Subtotal			\$0	\$8,868	\$1,774	\$9,675	\$0	\$2,956	\$4,551
Resource Management System (RMS) Acres Treated		0							
Access Road (ft.) 560		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Critical Area Planting (ac.) 342		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dam, Diversion (no.) 348		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grade Stabilization Structure (no.) 410		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pond (no.) 378		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal			\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		1100	\$0	\$8,868	\$1,774	\$9,675	\$0	\$2,956	\$4,551

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="Sny River"/>	Watershed Code	<input type="text" value="07110004"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Forestland"/>	Landuse Acres	<input type="text" value="118,100"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="15"/>	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="8%"/>	COMPARE	<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	80%	94,480	Baseline	90%	85,032	Baseline	72%	85,032	85,032	0
			Progressive	8%	7,558					
			RMS	2%	1,890					
			<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%	17,715	Progressive	80%	14,172	Progressive	18%	21,730	14,172	7,558
			RMS	20%	3,543					
			<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%	5,905	RMS	100%	5,905	RMS	10%	11,338	5,905	5,433
Grand Totals	100%	118,100					100%	118,100	105,109	12,991

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			Help	
391	5.0%	x 5.0%	x 5.0%	x 5.0%	PERCENT of TU	Riparian Forest Buffer (ac.) 391			
409	0.0%	x 50.0%	x 50.0%	x 90.0%	PERCENT of TU	Prescribed Forestry (ac.) 409			
472	0.0%	10.0%	x 95.0%	x 95.0%	PERCENT of TU	Use Exclusion (ac.) 472			
490	x 5.0%	x 5.0%	x 5.0%	x 5.0%	PERCENT of TU	Forest Site Preparation (ac.) 490			
580	500	500	x 500	x 500	FEET per TU	Streambank & Shoreline Protection (ft.) 580			
595	0.0%	0.0%	x 20.0%	x 20.0%	PERCENT of TU	Pest Management (ac.) 595			
612	x 5.0%	x 5.0%	x 5.0%	x 5.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612			
645	x 50.0%	x 70.0%	x 70.0%	x 70.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645			
666	10.0%	10.0%	x 66.0%	x 66.0%	PERCENT of TU	Forest Stand Improvement (ac.) 666			
328	100.0%	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328			
329	100.0%	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%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344			
346	100.0%	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346			
430AA	500	660	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA			
430DD	500	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plasti			
443	100.0%	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443			
449	100.0%	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449			
464	100.0%	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464			
533	1	1	1	1	NUMBER per TU	Pumping Plant (no.) 533			
554	100.0%	100.0%	100.0%	100.0%	PERCENT of TU	Drainage Water Management (ac.) 554			
587	3	2	1	1	NUMBER per TU	Structure for Water Control (no.) 587			
590	100.0%	100.0%	100.0%	100.0%	PERCENT of TU	Nutrient Management (ac.) 590			
607	2,640	1,320	1,320	1,320	FEET per TU	Surface Drainage, Field Ditch (ft.) 607			
644	50.0%	50.0%	50.0%	50.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644			

WATERSHED NAME & CODE		SNY RIVER - 07110004			LANDUSE ACRES		118,100	
LANDUSE TYPE		FORESTLAND			TYPICAL UNIT SIZE ACRES		15	
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 – Streambank	Plant Condition – Productivity, Health and Vigor	Plant Condition – Noxious and Invasive Plants
Baseline System		System Rating ->			0	4	4	4
Total Acreage at Baseline Level		94,480	85,032	0	85,032			
Tree/Shrub Establishment (ac.) 612		4,724	4,252	0	4,252	0	5	4
Tree/Shrub Site Preparation (ac.) 490		4,724	4,252	0	4,252	0	5	0
Upland Wildlife Habitat Management (ac.) 645		47,240	42,516	0	42,516	1	4	5
Progressive System		System Rating ->			4	5	5	4
Total Acreage at Progressive Level		17,715	14,172	7,558	21,730			
Prescribed Forestry (ac.) 409		8,858	7,086	3,779	10,865	5	5	3
Riparian Forest Buffer (ac.) 391		886	709	378	1,087	4	4	4
Tree/Shrub Establishment (ac.) 612		886	1,087	0	1,087	0	5	4
Tree/Shrub Site Preparation (ac.) 490		886	1,087	0	1,087	0	5	0
Upland Wildlife Habitat Management (ac.) 645		12,401	13,700	1,512	15,211	1	4	5
Resource Management System (RMS)		System Rating ->			4	5	5	5
Total Acreage at RMS Level		5,905	5,905	5,433	11,338			
Forest Stand Improvement (ac.) 666		3,897	3,897	3,586	7,483	0	5	3
Pest Management (ac.) 595		1,181	1,181	1,087	2,268	0	5	3
Prescribed Forestry (ac.) 409		5,315	7,086	3,118	10,204	5	5	3
Riparian Forest Buffer (ac.) 391		295	472	94	567	4	4	4
Streambank and Shoreline Protection (ft.) 580		196,833	196,833	181,087	377,920	4	4	2
Tree/Shrub Establishment (ac.) 612		295	567	0	567	0	5	4
Tree/Shrub Site Preparation (ac.) 490		295	567	0	567	0	5	0
Upland Wildlife Habitat Management (ac.) 645		4,134	7,558	378	7,936	1	4	5
Use Exclusion (ac.) 472		5,610	5,610	5,161	10,771	2	4	3

WATERSHED NAME & CODE		SNY RIVER - 07110004			LANDUSE ACRES		118,100		
LANDUSE TYPE		FORESTLAND			TYPICAL UNIT SIZE ACRES		15		
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 – Streambank	Plant Condition – Productivity, Health and Vigor	Plant Condition – Noxious and Invasive Plants	Fish and Wildlife – Inadequate Cover/Shelter
Baseline System		System Rating ->			0	4	4	4	
Total Acreage at Baseline Level		94,480	85,032	0	85,032				
Tree/Shrub Establishment (ac.) 612		4,724	4,252	0	4,252	0	5	4	
Tree/Shrub Site Preparation (ac.) 490		4,724	4,252	0	4,252	0	5	4	
Upland Wildlife Habitat Management (ac.) 645		47,240	42,516	0	42,516	1	4	4	
Progressive System		System Rating ->			4	5	5	4	
Total Acreage at Progressive Level		17,715	14,172	7,558	21,730				
Prescribed Forestry (ac.) 409		8,858	7,086	3,779	10,865	5	5	5	
Riparian Forest Buffer (ac.) 391		886	709	378	1,087	4	4	4	
Tree/Shrub Establishment (ac.) 612		886	1,087	0	1,087	0	5	4	
Tree/Shrub Site Preparation (ac.) 490		886	1,087	0	1,087	0	5	4	
Upland Wildlife Habitat Management (ac.) 645		12,401	13,700	1,512	15,211	1	4	4	
Resource Management System (RMS)		System Rating ->			4	5	5	5	
Total Acreage at RMS Level		5,905	5,905	5,433	11,338				
Forest Stand Improvement (ac.) 666		3,897	3,897	3,586	7,483	0	5	4	
Pest Management (ac.) 595		1,181	1,181	1,087	2,268	0	5	5	
Prescribed Forestry (ac.) 409		5,315	7,086	3,118	10,204	5	5	5	
Riparian Forest Buffer (ac.) 391		295	472	94	567	4	4	4	
Streambank and Shoreline Protection (ft.) 580		196,833	196,833	181,087	377,920	4	4	4	
Tree/Shrub Establishment (ac.) 612		295	567	0	567	0	5	4	
Tree/Shrub Site Preparation (ac.) 490		295	567	0	567	0	5	4	
Upland Wildlife Habitat Management (ac.) 645		4,134	7,558	378	7,936	1	4	4	
Use Exclusion (ac.) 472		5,610	5,610	5,161	10,771	2	4	4	
CONSERVATION INVESTMENT INFORMATION									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT			PRIVATE INVESTMENT			
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		7558.4							
Prescribed Forestry (ac.) 409		3,779	\$94,480	\$0	\$18,896	\$113,376	\$94,480	\$0	\$94,480
Riparian Forest Buffer (ac.) 391		378	\$61,601	\$0	\$12,320	\$73,921	\$61,601	\$1,232	\$66,791
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		1,512	\$0	\$68,026	\$13,605	\$74,216	\$0	\$22,675	\$34,905
Subtotal			\$156,081	\$68,026	\$44,821	\$261,513	\$156,081	\$23,907	\$196,176
Resource Management System (RMS) Acres Treated		5432.6							
Forest Stand Improvement (ac.) 666		3,586	\$160,506	\$0	\$32,101	\$192,607	\$160,506	\$3,210	\$174,028
Pest Management (ac.) 595		1,087	\$0	\$69,559	\$13,912	\$75,889	\$0	\$23,186	\$35,692
Prescribed Forestry (ac.) 409		3,118	\$77,946	\$0	\$15,589	\$93,535	\$77,946	\$0	\$77,946
Riparian Forest Buffer (ac.) 391		94	\$15,400	\$0	\$3,080	\$18,480	\$15,400	\$308	\$16,698
Streambank and Shoreline Protection (ft.) 580		181,087	\$987,828	\$0	\$197,566	\$1,185,393	\$987,828	\$39,513	\$1,154,271
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		378	\$0	\$17,006	\$3,401	\$18,554	\$0	\$5,669	\$8,726
Use Exclusion (ac.) 472		5,161	\$12,902	\$0	\$2,580	\$15,483	\$12,902	\$774	\$16,163
Subtotal			\$1,254,582	\$86,565	\$268,229	\$1,599,942	\$1,254,582	\$72,661	\$1,483,524
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		12991	\$1,410,663	\$154,591	\$313,051	\$1,861,455	\$1,410,663	\$96,568	\$1,679,700

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="Sny River"/>	Watershed Code	<input type="text" value="07110004"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Noncultivated Cropland"/>	Landuse Acres	<input type="text" value="12,200"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="20"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	<input type="text" value="10%"/>	COMPARE	<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	50%	6,100	Baseline	90%	5,490	Baseline	45%	5,490	5,490	0
			Progressive	5%	305					
			RMS	5%	305					
			<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	30%	3,660	Progressive	100%	3,660	Progressive	33%	3,965	3,660	305
			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	20%	2,440	RMS	100%	2,440	RMS	23%	2,745	2,440	305
Grand Totals	100%	12,200					100%	12,200	11,590	610

DOCUMENTATION SECTION

PRACTICE FACTOR SHEET

Only shaded practices are in this analysis.

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

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

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Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
314	0.0%	x 10.0%	x 25.0%	PERCENT of TU	Brush Management (ac.) 314
511	x 50.0%	x 70.0%	x 100.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	x 10.0%	x 25.0%	x 25.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
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
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plasti
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464
533	1	1	1	NUMBER per TU	Pumping Plant (no.) 533
554	100.0%	100.0%	100.0%	PERCENT of TU	Drainage Water Management (ac.) 554
587	3	2	1	NUMBER per TU	Structure for Water Control (no.) 587
607	2,640	1,320	1,320	FEET per TU	Surface Drainage, Field Ditch (ft.) 607
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

WATERSHED NAME & CODE		SNY RIVER - 07110004			LANDUSE ACRES		12,200		
LANDUSE TYPE		NONCULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		20		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		6%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Plant Condition – Productivity, Health and Vigor	Plant Condition – Noxious and Invasive Plants	Plant Condition – Forage Quality and Palatability	Plants not adapted or suited
Baseline System		System Rating ->			4	3	4	4	
Total Acreage at Baseline Level		6,100	5,490	0	5,490				
Forage Harvest Management (ac.) 511		3,050	2,745	0	2,745	4	4	4	
Pasture and Hay Planting (ac.) 512		610	549	0	549	5	4	5	
Progressive System		System Rating ->			4	4	4	4	
Total Acreage at Progressive Level		3,660	3,660	305	3,965				
Brush Management (ac.) 314		366	366	31	397	3	4	4	
Forage Harvest Management (ac.) 511		2,562	2,715	61	2,776	4	4	4	
Pasture and Hay Planting (ac.) 512		915	946	46	991	5	4	5	
Resource Management System (RMS)		System Rating ->			5	4	5	5	
Total Acreage at RMS Level		2,440	2,440	305	2,745				
Brush Management (ac.) 314		610	610	76	686	3	4	4	
Forage Harvest Management (ac.) 511		2,440	2,593	153	2,745	4	4	4	
Nutrient Management (ac.) 590		2,440	2,440	305	2,745	3	0	4	
Pasture and Hay Planting (ac.) 512		610	641	46	686	5	4	5	
Pest Management (ac.) 595		2,440	2,440	305	2,745	5	5	4	

WATERSHED NAME & CODE		SNY RIVER - 07110004			LANDUSE ACRES		12,200		
LANDUSE TYPE		NONCULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		20		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		6%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Plant Condition – Productivity, Health and Vigor	Plant Condition – Noxious and Invasive Plants	Plant Condition – Forage Quality and Palatability	Plants not adapted or suited
Baseline System		System Rating ->			4	3	4	4	
Total Acreage at Baseline Level		6,100	5,490	0	5,490				
Forage Harvest Management (ac.) 511		3,050	2,745	0	2,745	4	4	4	
Pasture and Hay Planting (ac.) 512		610	549	0	549	5	4	5	
Progressive System		System Rating ->			4	4	4	4	
Total Acreage at Progressive Level		3,660	3,660	305	3,965				
Brush Management (ac.) 314		366	366	31	397	3	4	4	
Forage Harvest Management (ac.) 511		2,562	2,715	61	2,776	4	4	4	
Pasture and Hay Planting (ac.) 512		915	946	46	991	5	4	5	
Resource Management System (RMS)		System Rating ->			5	4	5	5	
Total Acreage at RMS Level		2,440	2,440	305	2,745				
Brush Management (ac.) 314		610	610	76	686	3	4	4	
Forage Harvest Management (ac.) 511		2,440	2,593	153	2,745	4	4	4	
Nutrient Management (ac.) 590		2,440	2,440	305	2,745	3	0	4	
Pasture and Hay Planting (ac.) 512		610	641	46	686	5	4	5	
Pest Management (ac.) 595		2,440	2,440	305	2,745	5	5	4	
CONSERVATION INVESTMENT INFORMATION									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT			PRIVATE INVESTMENT			
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		305							
Brush Management (ac.) 314		31	\$1,353	\$0	\$271	\$1,623	\$1,353	\$27	\$1,466
Forage Harvest Management (ac.) 511		61	\$244	\$0	\$49	\$293	\$244	\$73	\$552
Pasture and Hay Planting (ac.) 512		46	\$3,092	\$0	\$618	\$3,710	\$3,092	\$124	\$3,612
Subtotal			\$4,688	\$0	\$938	\$5,626	\$4,688	\$224	\$5,631
Resource Management System (RMS) Acres Treated		305							
Brush Management (ac.) 314		76	\$3,381	\$0	\$676	\$4,058	\$3,381	\$68	\$3,666
Forage Harvest Management (ac.) 511		153	\$610	\$0	\$122	\$732	\$610	\$183	\$1,381
Nutrient Management (ac.) 590		305	\$0	\$11,593	\$2,319	\$12,648	\$0	\$3,864	\$5,949
Pasture and Hay Planting (ac.) 512		46	\$3,092	\$0	\$618	\$3,710	\$3,092	\$124	\$3,612
Pest Management (ac.) 595		305	\$0	\$19,526	\$3,905	\$21,303	\$0	\$6,509	\$10,019
Subtotal			\$7,083	\$31,119	\$7,640	\$42,451	\$7,083	\$10,747	\$24,627
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		610	\$11,771	\$31,119	\$8,578	\$48,076	\$11,771	\$10,971	\$30,259

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

