

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Spring River"/>	Watershed Code	<input type="text" value="11070207"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Cultivated Crop"/>	Landuse Acres	<input type="text" value="334,300"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="240"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	COMPARE	<input type="text" value="28%"/>	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	40%	133,720	Baseline	55%	73,546	Baseline	22%	73,546	73,546	0
			Progressive	35%	46,802					
			RMS	10%	13,372					
			<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%	133,720	Progressive	90%	120,348	Progressive	50%	167,150	120,348	46,802
			RMS	10%	13,372					
			<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%	66,860	RMS	100%	66,860	RMS	28%	93,604	66,860	26,744
Grand Totals	100%	334,300					100%	334,300	260,754	73,546

DOCUMENTATION SECTION

PRACTICE FACTOR SHEET

Only shaded practices are in this analysis.

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

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

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Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
327	0.0%	0.0%	x 10.0%	PERCENT of TU	Conservation Cover (ac.) 327
328	x 92.0%	x 92.0%	x 92.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	x 66.0%	x 66.0%	x 66.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
330	0.0%	0.0%	x 5.0%	PERCENT of TU	Contour Farming (ac.) 330
340	0.0%	0.0%	x 5.0%	PERCENT of TU	Cover Crop (ac.) 340
342	0.0%	x 1.0%	x 1.0%	PERCENT of TU	Critical Area Planting (ac.) 342
344	x 92.0%	x 92.0%	x 92.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
386	0	x 3,300	x 3,300	FEET per TU	Field Border (ft.) 386
393	0.0%	0.0%	x 1.0%	PERCENT of TU	Filter Strip (ac.) 393
412	x 1.0%	x 1.0%	x 1.0%	PERCENT of TU	Grassed Waterway (ac.) 412
490	10.0%	10.0%	x 2.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
590	x 30.0%	x 67.0%	x 92.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	x 67.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595
600	0	x 4,500	x 9,000	FEET per TU	Terrace (ft.) 600
612	10.0%	0.0%	x 2.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
643	0.0%	x 0.0%	x 8.0%	PERCENT of TU	Restoration and Management of Declining Habitats (ac.) 643
645	0.0%	0.0%	x 8.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
345	0.0%	5.0%	5.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 345
332	100.0%	100.0%	100.0%	PERCENT of TU	Contour Buffer Strips (ac.) 332
362	500	500	500	FEET per TU	Diversion (ft.) 362
634	1	1	1	NUMBER per TU	Manure Transfer (no.) 634
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

Help

WATERSHED NAME & CODE		SPRING RIVER - 11070207			LANDUSE ACRES		334,300		
LANDUSE TYPE		CULTIVATED CROP			TYPICAL UNIT SIZE ACRES		240		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		28%		
		CURRENT CONDITIONS	FUTURE CONDITIONS		RESOURCE CONCERNS				
CONSERVATION SYSTEMS BY TREATMENT LEVELS		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Sheet and Rill	Soil Erosion – Ephemeral Gully	Soil Erosion – Classic Gully	Water Quality – Excessive Nutrients and Organics in
Baseline System		System Rating ->				4	4	2	4
Total Acreage at Baseline Level		133,720	73,546	0	73,546				
Conservation Crop Rotation (ac.) 328		123,022	67,662	0	67,662	4	2	1	2
Grassed Waterway (ac.) 412		1,337	735	0	735	0	5	4	2
Nutrient Management (ac.) 590		40,116	22,064	0	22,064	0	0	0	5
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		88,255	48,540	0	48,540	5	5	1	1
Residue Management, Seasonal (ac.) 344		123,022	67,662	0	67,662	2	1	1	1
Progressive System		System Rating ->				5	5	4	4
Total Acreage at Progressive Level		133,720	120,348	46,802	167,150				
Conservation Crop Rotation (ac.) 328		123,022	153,778	0	153,778	4	2	1	2
Critical Area Planting (ac.) 342		1,337	1,203	468	1,672	5	5	4	2
Field Border (ft.) 386		1,838,650	1,654,785	643,528	2,298,313	4	3	2	2
Grassed Waterway (ac.) 412		1,337	1,672	0	1,672	0	5	4	2
Nutrient Management (ac.) 590		89,592	94,674	17,317	111,991	0	0	0	5
Pest Management (ac.) 595		89,592	80,633	31,357	111,991	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		88,255	110,319	0	110,319	5	5	1	1
Residue Management, Seasonal (ac.) 344		123,022	153,778	0	153,778	2	1	1	1
Restoration and Management of Declining Habitats (ac.) 643		0	0	0	0	2	2	0	0
Terrace (ft.) 600		2,507,250	2,256,525	877,538	3,134,063	5	4	2	2
Resource Management System (RMS)		System Rating ->				5	4	3	5
Total Acreage at RMS Level		66,860	66,860	26,744	93,604				
Conservation Cover (ac.) 327		6,686	6,686	2,674	9,360	5	2	1	2
Conservation Crop Rotation (ac.) 328		61,511	86,116	0	86,116	4	2	1	2
Contour Farming (ac.) 330		3,343	3,343	1,337	4,680	3	2	1	3
Cover Crop (ac.) 340		3,343	3,343	1,337	4,680	4	4	1	2
Critical Area Planting (ac.) 342		669	802	134	936	5	5	4	2
Field Border (ft.) 386		919,325	1,103,190	183,865	1,287,055	4	3	2	2
Filter Strip (ac.) 393		669	669	267	936	3	0	0	5
Grassed Waterway (ac.) 412		669	936	0	936	0	5	4	2
Nutrient Management (ac.) 590		61,511	74,482	11,634	86,116	0	0	0	5
Pest Management (ac.) 595		66,860	75,819	17,785	93,604	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		44,128	61,779	0	61,779	5	5	1	1
Residue Management, Seasonal (ac.) 344		61,511	86,116	0	86,116	2	1	1	1
Restoration and Management of Declining Habitats (ac.) 643		5,349	5,349	2,140	7,488	2	2	0	0
Terrace (ft.) 600		2,507,250	2,757,975	752,175	3,510,150	5	4	2	2
Tree/Shrub Establishment (ac.) 612		1,337	1,337	535	1,872	5	4	2	2
Tree/Shrub Site Preparation (ac.) 490		1,337	1,337	535	1,872	-1	-2	-2	0
Upland Wildlife Habitat Management (ac.) 645		5,349	5,349	2,140	7,488	3	3	2	0

WATERSHED NAME & CODE		SPRING RIVER - 11070207				LANDUSE ACRES		334,300	
LANDUSE TYPE		CULTIVATED CROP				TYPICAL UNIT SIZE ACRES		240	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		28%	
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		46,802							
Conservation Crop Rotation (ac.) 328	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Critical Area Planting (ac.) 342	468	\$111,431	\$0	\$22,286	\$133,717	\$111,431	\$2,229	\$120,819	
Field Border (ft.) 386	643,528	\$16,088	\$0	\$3,218	\$19,306	\$16,088	\$644	\$18,799	
Grassed Waterway (ac.) 412	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Nutrient Management (ac.) 590	17,317	\$0	\$658,209	\$131,642	\$718,109	\$0	\$219,403	\$337,739	
Pest Management (ac.) 595	31,357	\$0	\$2,007,497	\$401,499	\$2,190,187	\$0	\$669,166	\$1,030,081	
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	
Restoration and Management of Declining Habitats (ac.) 643	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Terrace (ft.) 600	877,538	\$899,476	\$0	\$179,895	\$1,079,371	\$899,476	\$35,979	\$1,051,033	
Subtotal		\$1,026,995	\$2,665,706	\$738,540	\$4,140,690	\$1,026,995	\$927,420	\$2,558,470	
Resource Management System (RMS) Acres Treated		26,744							
Conservation Cover (ac.) 327	2,674	\$169,223	\$0	\$33,845	\$203,067	\$169,223	\$3,384	\$183,479	
Conservation Crop Rotation (ac.) 328	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Contour Farming (ac.) 330	1,337	\$0	\$20,058	\$4,012	\$21,883	\$0	\$6,686	\$10,292	
Cover Crop (ac.) 340	1,337	\$0	\$191,554	\$38,311	\$208,986	\$0	\$63,851	\$98,290	
Critical Area Planting (ac.) 342	134	\$31,837	\$0	\$6,367	\$38,205	\$31,837	\$637	\$34,520	
Field Border (ft.) 386	183,865	\$4,597	\$0	\$919	\$5,516	\$4,597	\$184	\$5,371	
Filter Strip (ac.) 393	267	\$9,360	\$0	\$1,872	\$11,232	\$9,360	\$562	\$11,726	
Grassed Waterway (ac.) 412	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Nutrient Management (ac.) 590	11,634	\$0	\$442,195	\$88,439	\$482,436	\$0	\$147,398	\$226,898	
Pest Management (ac.) 595	17,785	\$0	\$1,138,580	\$227,716	\$1,242,196	\$0	\$379,527	\$584,225	
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	
Restoration and Management of Declining Habitats (ac.) 643	2,140	\$26,744	\$0	\$5,349	\$32,093	\$26,744	\$1,070	\$31,250	
Terrace (ft.) 600	752,175	\$770,979	\$0	\$154,196	\$925,175	\$770,979	\$30,839	\$900,885	
Tree/Shrub Establishment (ac.) 612	535	\$87,185	\$0	\$17,437	\$104,623	\$87,185	\$0	\$87,185	
Tree/Shrub Site Preparation (ac.) 490	535	\$0	\$71,872	\$14,374	\$78,412	\$0	\$23,957	\$36,879	
Upland Wildlife Habitat Management (ac.) 645	2,140	\$0	\$96,278	\$19,256	\$105,040	\$0	\$32,093	\$49,402	
Subtotal		\$1,099,926	\$1,960,537	\$612,093	\$3,458,865	\$1,099,926	\$690,188	\$2,260,402	
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		2674.4	\$2,126,921	\$4,626,243	\$1,350,633	\$7,599,555	\$2,126,921	\$1,617,608	\$4,818,873

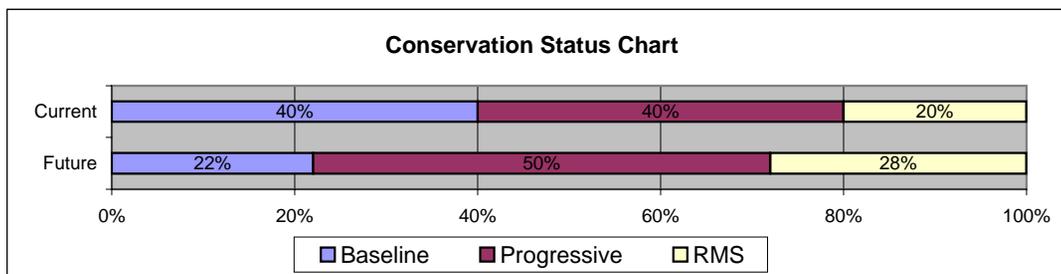


Chart Refers To	
Landuse Type	CULTIVATED CROP
Estimated Participation Rate	28%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$88	\$55
RMS	\$129	\$85

Estimated FTE per Year	2.7
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WATERSHED NAME & CODE		SPRING RIVER - 11070207						LANDUSE ACRES			334,300
LANDUSE TYPE		CULTIVATED CROP						TYPICAL UNIT SIZE ACRES			240
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			28%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
Progressive System Acres Treated		46,802									
Conservation Crop Rotation (ac.) 328	0	X	X								
Critical Area Planting (ac.) 342	468	X	X								
Field Border (ft.) 386	643,528	X	X				X				
Grassed Waterway (ac.) 412	0	X	X				X				
Nutrient Management (ac.) 590	17,317	X	X								
Pest Management (ac.) 595	31,357	X	X								
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	0	X	X								
Residue Management, Seasonal (ac.) 344	0	X									
Restoration and Management of Declining Habitats (ac.) 643	0	X	X	X							
Terrace (ft.) 600	877,538	X	X				X				
Resource Management System (RMS) Acres Treated		26,744									
Conservation Cover (ac.) 327	2,674	X	X				X				
Conservation Crop Rotation (ac.) 328	0	X	X								
Contour Farming (ac.) 330	1,337	X									
Cover Crop (ac.) 340	1,337	X	X								
Critical Area Planting (ac.) 342	134	X	X								
Field Border (ft.) 386	183,865	X	X				X				
Filter Strip (ac.) 393	267	X					X				
Grassed Waterway (ac.) 412	0	X	X				X				
Nutrient Management (ac.) 590	11,634	X	X								
Pest Management (ac.) 595	17,785	X	X								
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	0	X	X								
Residue Management, Seasonal (ac.) 344	0	X									
Restoration and Management of Declining Habitats (ac.) 643	2,140	X	X	X							
Terrace (ft.) 600	752,175	X	X				X				
Tree/Shrub Establishment (ac.) 612	535	X	X	X							
Tree/Shrub Site Preparation (ac.) 490	535	X	X	X							
Upland Wildlife Habitat Management (ac.) 645	2,140	X	X								

WATERSHED NAME & CODE		SPRING RIVER - 11070207				LANDUSE ACRES		334,300	
LANDUSE TYPE		CULTIVATED CROP				TYPICAL UNIT SIZE ACRES		240	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		28%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Sheet and Rill	Soil Erosion – Ephemeral Gully	Soil Erosion – Classic Gully	Water Quality – Excessive Nutrients and Organics in Surface Waters
Baseline System		System Rating ->				4	4	2	4
Total Acreage at Baseline Level		133,720	73,546	0	73,546				
Conservation Crop Rotation (ac.) 328		123,022	67,662	0	67,662	4	2	1	2
Grassed Waterway (ac.) 412		1,337	735	0	735	0	5	4	2
Nutrient Management (ac.) 590		40,116	22,064	0	22,064	0	0	0	5
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		88,255	48,540	0	48,540	5	5	1	1
Residue Management, Seasonal (ac.) 344		123,022	67,662	0	67,662	2	1	1	1
Progressive System		System Rating ->				5	5	4	4
Total Acreage at Progressive Level		133,720	120,348	46,802	167,150				
Conservation Crop Rotation (ac.) 328		123,022	153,778	0	153,778	4	2	1	2
Critical Area Planting (ac.) 342		1,337	1,203	468	1,672	5	5	4	2
Field Border (ft.) 386		1,838,650	1,654,785	643,528	2,298,313	4	3	2	2
Grassed Waterway (ac.) 412		1,337	1,672	0	1,672	0	5	4	2
Nutrient Management (ac.) 590		89,592	94,674	17,317	111,991	0	0	0	5
Pest Management (ac.) 595		89,592	80,633	31,357	111,991	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		88,255	110,319	0	110,319	5	5	1	1
Residue Management, Seasonal (ac.) 344		123,022	153,778	0	153,778	2	1	1	1
Restoration and Management of Declining Habitats (ac.) 643		0	0	0	0	2	2	0	0
Terrace (ft.) 600		2,507,250	2,256,525	877,538	3,134,063	5	4	2	2
Resource Management System (RMS)		System Rating ->				5	4	3	5
Total Acreage at RMS Level		66,860	66,860	26,744	93,604				
Conservation Cover (ac.) 327		6,686	6,686	2,674	9,360	5	2	1	2
Conservation Crop Rotation (ac.) 328		61,511	86,116	0	86,116	4	2	1	2
Contour Farming (ac.) 330		3,343	3,343	1,337	4,680	3	2	1	3
Cover Crop (ac.) 340		3,343	3,343	1,337	4,680	4	4	1	2
Critical Area Planting (ac.) 342		669	802	134	936	5	5	4	2
Field Border (ft.) 386		919,325	1,103,190	183,865	1,287,055	4	3	2	2
Filter Strip (ac.) 393		669	669	267	936	3	0	0	5
Grassed Waterway (ac.) 412		669	936	0	936	0	5	4	2
Nutrient Management (ac.) 590		61,511	74,482	11,634	86,116	0	0	0	5
Pest Management (ac.) 595		66,860	75,819	17,785	93,604	0	0	0	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		44,128	61,779	0	61,779	5	5	1	1
Residue Management, Seasonal (ac.) 344		61,511	86,116	0	86,116	2	1	1	1
Restoration and Management of Declining Habitats (ac.) 643		5,349	5,349	2,140	7,488	2	2	0	0
Terrace (ft.) 600		2,507,250	2,757,975	752,175	3,510,150	5	4	2	2
Tree/Shrub Establishment (ac.) 612		1,337	1,337	535	1,872	5	4	2	2
Tree/Shrub Site Preparation (ac.) 490		1,337	1,337	535	1,872	-1	-2	-2	0
Upland Wildlife Habitat Management (ac.) 645		5,349	5,349	2,140	7,488	3	3	2	0
CONSERVATION INVESTMENT INFORMATION									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		46802							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Critical Area Planting (ac.) 342		468	\$111,431	\$0	\$22,286	\$133,717	\$111,431	\$2,229	\$120,819
Field Border (ft.) 386		643,528	\$16,088	\$0	\$3,218	\$19,306	\$16,088	\$644	\$18,799
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		17,317	\$0	\$658,209	\$131,642	\$718,109	\$0	\$219,403	\$337,739
Pest Management (ac.) 595		31,357	\$0	\$2,007,497	\$401,499	\$2,190,187	\$0	\$669,166	\$1,030,081
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
Restoration and Management of Declining Habitats (ac.) 643		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Terrace (ft.) 600		877,538	\$899,476	\$0	\$179,895	\$1,079,371	\$899,476	\$35,979	\$1,051,033
Subtotal		877,538	\$1,026,995	\$2,665,706	\$738,540	\$4,140,690	\$1,026,995	\$927,420	\$2,558,470
Resource Management System (RMS) Acres Treated		26744							
Conservation Cover (ac.) 327		2,674	\$169,223	\$0	\$33,845	\$203,067	\$169,223	\$3,384	\$183,479
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		1,337	\$0	\$20,058	\$4,012	\$21,883	\$0	\$6,686	\$10,292
Cover Crop (ac.) 340		1,337	\$0	\$191,554	\$38,311	\$208,986	\$0	\$63,851	\$98,220
Critical Area Planting (ac.) 342		134	\$31,837	\$0	\$6,367	\$38,205	\$31,837	\$637	\$34,520
Field Border (ft.) 386		183,865	\$4,597	\$0	\$919	\$5,516	\$4,597	\$184	\$5,371
Filter Strip (ac.) 393		267	\$9,360	\$0	\$1,872	\$11,232	\$9,360	\$562	\$11,726
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		11,634	\$0	\$442,195	\$88,439	\$482,436	\$0	\$147,398	\$226,898
Pest Management (ac.) 595		17,785	\$0	\$1,138,580	\$227,716	\$1,242,196	\$0	\$379,527	\$584,225
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
Restoration and Management of Declining Habitats (ac.) 643		2,140	\$26,744	\$0	\$5,349	\$32,093	\$26,744	\$1,070	\$31,250
Terrace (ft.) 600		752,175	\$770,979	\$0	\$154,196	\$925,175	\$770,979	\$30,839	\$900,885
Tree/Shrub Establishment (ac.) 612		535	\$87,185	\$0	\$17,437	\$104,623	\$87,185	\$0	\$87,185
Tree/Shrub Site Preparation (ac.) 490		535	\$0	\$71,872	\$14,374	\$78,412	\$0	\$23,957	\$36,879
Upland Wildlife Habitat Management (ac.) 645		2,140	\$0	\$96,278	\$19,256	\$105,040	\$0	\$32,093	\$49,402
Subtotal		877,538	\$1,099,926	\$1,960,537	\$612,093	\$3,458,865	\$1,099,926	\$690,188	\$2,260,402
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		73546	\$2,126,921	\$4,626,243	\$1,350,633	\$7,599,555	\$2,126,921	\$1,617,608	\$4,818,873

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="Spring River"/>	Watershed Code	<input type="text" value="11070207"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Non-Cultivated Cropland"/>	Landuse Acres	<input type="text" value="123,100"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="60"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	COMPARE	<input type="text" value="40%"/>	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	30%	36,930	Baseline	40%	14,772	Baseline	12%	14,772	14,772	0
			Progressive	25%	9,233					
			RMS	35%	12,926					
			<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	25%	30,775	Progressive	85%	26,159	Progressive	29%	35,391	26,159	9,233
			RMS	15%	4,616					
			<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	45%	55,395	RMS	100%	55,395	RMS	59%	72,937	55,395	17,542
Grand Totals	100%	123,100					100%	123,100	96,326	26,774

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	x 20.0%	x 25.0%	x 20.0%	PERCENT of TU	Brush Management (ac.) 314
327	x 50.0%	x 85.0%	x 100.0%	PERCENT of TU	Conservation Cover (ac.) 327
329	0.0%	0.0%	x 90.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
338	0.0%	x 15.0%	x 20.0%	PERCENT of TU	Prescribed Burning (ac.) 338
342	0.0%	x 1.0%	x 1.0%	PERCENT of TU	Critical Area Planting (ac.) 342
386	0	0	x 1,500	FEET per TU	Field Border (ft.) 386
412	0.0%	0.0%	x 1.0%	PERCENT of TU	Grassed Waterway (ac.) 412
472	x 100.0%	x 100.0%	x 100.0%	PERCENT of TU	Use Exclusion (ac.) 472
511	0.0%	0.0%	x 75.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	x 50.0%	x 75.0%	x 100.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
590	0.0%	0.0%	x 75.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	x 75.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595
600	0	0	x 1,000	FEET per TU	Terrace (ft.) 600
643	0.0%	x 5.0%	x 5.0%	PERCENT of TU	Restoration and Management of Declining Habitats (ac.) 643
645	x 10.0%	x 30.0%	x 50.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
647	0.0%	x 10.0%	x 20.0%	PERCENT of TU	Early Successional Habitat Development/Management (ac.) 647
345	0.0%	0.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 345
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
490	10.0%	10.0%	10.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
580	500	500	500	FEET per TU	Streambank & Shoreline Protection (ft.) 580
612	10.0%	10.0%	10.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
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

Help

WATERSHED NAME & CODE		SPRING RIVER - 11070207			LANDUSE ACRES		123,100		
LANDUSE TYPE		NON-CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		60		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		40%		
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	Fish and Wildlife – Inadequate Cover/Shelter
Baseline System		System Rating ->			4	5	4	4	
Total Acreage at Baseline Level		36,930	14,772	0	14,772				
Brush Management (ac.) 314		7,386	2,954	0	2,954	3	3	4	3
Conservation Cover (ac.) 327		18,465	7,386	0	7,386	5	4	0	2
Pasture and Hay Planting (ac.) 512		18,465	7,386	0	7,386	4	5	5	3
Upland Wildlife Habitat Management (ac.) 645		3,693	1,477	0	1,477	3	4	4	5
Use Exclusion (ac.) 472		36,930	14,772	0	14,772	2	4	4	3
Progressive System		System Rating ->			5	5	5	5	
Total Acreage at Progressive Level		30,775	26,159	9,233	35,391				
Brush Management (ac.) 314		7,694	8,386	462	8,848	3	3	4	3
Conservation Cover (ac.) 327		26,159	26,851	3,231	30,083	5	4	0	2
Critical Area Planting (ac.) 342		308	262	92	354	5	5	0	2
Early Successional Habitat Development/Management (ac.) 647		3,078	2,616	923	3,539	0	4	0	4
Pasture and Hay Planting (ac.) 512		23,081	24,235	2,308	26,543	4	5	5	3
Pest Management (ac.) 595		23,081	19,619	6,924	26,543	0	5	4	3
Prescribed Burning (ac.) 338		4,616	3,924	1,385	5,309	1	5	5	3
Restoration and Management of Declining Habitats (ac.) 643		1,539	1,308	462	1,770	2	4	4	4
Upland Wildlife Habitat Management (ac.) 645		9,233	8,771	1,847	10,617	3	4	4	5
Use Exclusion (ac.) 472		30,775	35,391	0	35,391	2	4	4	3
Resource Management System (RMS)		System Rating ->			5	5	5	5	
Total Acreage at RMS Level		55,395	55,395	17,542	72,937				
Brush Management (ac.) 314		11,079	14,587	0	14,587	3	3	4	3
Conservation Cover (ac.) 327		55,395	65,782	7,155	72,937	5	4	0	2
Critical Area Planting (ac.) 342		554	600	129	729	5	5	0	2
Early Successional Habitat Development/Management (ac.) 647		11,079	11,541	3,047	14,587	0	4	0	4
Field Border (ft.) 386		1,384,875	1,384,875	438,544	1,823,419	4	4	0	2
Forage Harvest Management (ac.) 511		41,546	41,546	13,156	54,703	3	4	4	2
Grassed Waterway (ac.) 412		554	554	175	729	0	5	0	1
Nutrient Management (ac.) 590		41,546	41,546	13,156	54,703	0	3	4	1
Pasture and Hay Planting (ac.) 512		55,395	65,320	7,617	72,937	4	5	5	3
Pest Management (ac.) 595		55,395	58,857	14,080	72,937	0	5	4	3
Prescribed Burning (ac.) 338		11,079	11,771	2,816	14,587	1	5	5	3
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		49,856	49,856	15,788	65,643	5	2	0	2
Restoration and Management of Declining Habitats (ac.) 643		2,770	3,001	646	3,647	2	4	4	4
Terrace (ft.) 600		923,250	923,250	292,363	1,215,613	5	2	0	0
Upland Wildlife Habitat Management (ac.) 645		27,698	30,375	6,093	36,468	3	4	4	5
Use Exclusion (ac.) 472		55,395	72,937	0	72,937	2	4	4	3

WATERSHED NAME & CODE		SPRING RIVER - 11070207				LANDUSE ACRES		123,100	
LANDUSE TYPE		NON-CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		60	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		40%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		9,233							
Brush Management (ac.) 314	462	\$20,471	\$0	\$4,094	\$24,565	\$20,471	\$409	\$22,195	
Conservation Cover (ac.) 327	3,231	\$204,465	\$0	\$40,893	\$245,358	\$204,465	\$4,089	\$221,691	
Critical Area Planting (ac.) 342	92	\$21,982	\$0	\$4,396	\$26,378	\$21,982	\$440	\$23,834	
Early Successional Habitat Development/Management (ac.) 647	923	\$6,924	\$0	\$1,385	\$8,309	\$6,924	\$2,077	\$15,675	
Pasture and Hay Planting (ac.) 512	2,308	\$155,972	\$0	\$31,194	\$187,166	\$155,972	\$6,239	\$182,252	
Pest Management (ac.) 595	6,924	\$0	\$443,298	\$88,660	\$483,640	\$0	\$147,766	\$227,464	
Prescribed Burning (ac.) 338	1,385	\$12,215	\$0	\$2,443	\$14,658	\$12,215	\$0	\$12,215	
Restoration and Management of Declining Habitats (ac.) 643	462	\$5,770	\$0	\$1,154	\$6,924	\$5,770	\$231	\$6,743	
Upland Wildlife Habitat Management (ac.) 645	1,847	\$0	\$83,093	\$16,619	\$90,654	\$0	\$27,698	\$42,636	
Use Exclusion (ac.) 472	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal		\$427,799	\$526,391	\$190,838	\$1,087,653	\$427,799	\$188,949	\$754,704	
Resource Management System (RMS) Acres Treated		17,542							
Brush Management (ac.) 314	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Conservation Cover (ac.) 327	7,155	\$452,744	\$0	\$90,549	\$543,293	\$452,744	\$9,055	\$490,887	
Critical Area Planting (ac.) 342	129	\$30,774	\$0	\$6,155	\$36,929	\$30,774	\$615	\$33,367	
Early Successional Habitat Development/Management (ac.) 647	3,047	\$22,850	\$0	\$4,570	\$27,421	\$22,850	\$6,855	\$51,727	
Field Border (ft.) 386	438,544	\$10,964	\$0	\$2,193	\$13,156	\$10,964	\$439	\$12,811	
Forage Harvest Management (ac.) 511	13,156	\$52,625	\$0	\$10,525	\$63,150	\$52,625	\$15,788	\$119,128	
Grassed Waterway (ac.) 412	175	\$178,774	\$0	\$35,755	\$214,529	\$178,774	\$10,726	\$223,958	
Nutrient Management (ac.) 590	13,156	\$0	\$500,071	\$100,014	\$545,580	\$0	\$166,690	\$256,595	
Pasture and Hay Planting (ac.) 512	7,617	\$514,706	\$0	\$102,941	\$617,647	\$514,706	\$20,588	\$601,431	
Pest Management (ac.) 595	14,080	\$0	\$901,374	\$180,275	\$983,402	\$0	\$300,458	\$462,510	
Prescribed Burning (ac.) 338	2,816	\$24,836	\$0	\$4,967	\$29,804	\$24,836	\$0	\$24,836	
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	15,788	\$0	\$858,686	\$171,737	\$936,830	\$0	\$286,229	\$440,607	
Restoration and Management of Declining Habitats (ac.) 643	646	\$8,078	\$0	\$1,616	\$9,694	\$8,078	\$323	\$9,440	
Terrace (ft.) 600	292,363	\$299,672	\$0	\$59,934	\$359,606	\$299,672	\$11,987	\$350,165	
Upland Wildlife Habitat Management (ac.) 645	6,093	\$0	\$274,205	\$54,841	\$299,159	\$0	\$91,402	\$140,699	
Use Exclusion (ac.) 472	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal		\$1,596,025	\$2,534,336	\$826,072	\$4,680,201	\$1,596,025	\$921,155	\$3,218,161	
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		461.625	\$2,023,823	\$3,060,727	\$1,016,910	\$5,767,854	\$2,023,823	\$1,110,104	\$3,972,865

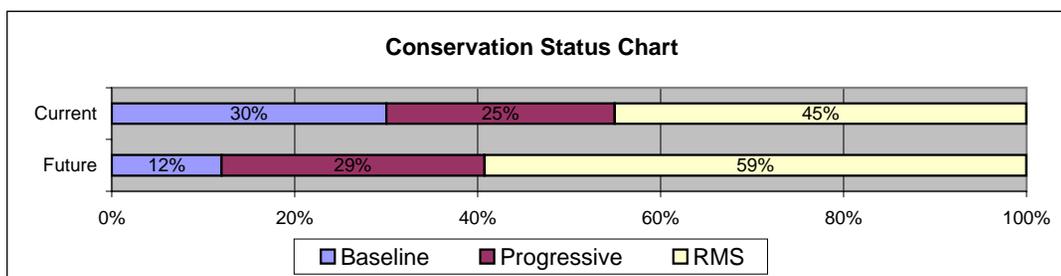


Chart Refers To	
Landuse Type	NON-CULTIVATED CROPLAND
Estimated Participation Rate	40%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$118	\$82
RMS	\$267	\$183

Estimated FTE per Year	2.0
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WATERSHED NAME & CODE		SPRING RIVER - 11070207						LANDUSE ACRES			123,100
LANDUSE TYPE		NON-CULTIVATED CROPLAND						TYPICAL UNIT SIZE ACRES			60
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION				40%
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
Progressive System Acres Treated		9,233									
Brush Management (ac.) 314	462	X	X								
Conservation Cover (ac.) 327	3,231	X	X				X				
Critical Area Planting (ac.) 342	92	X	X								
Early Successional Habitat Development/Management (ac.) 647	923	X	X								
Pasture and Hay Planting (ac.) 512	2,308	X	X								
Pest Management (ac.) 595	6,924	X	X								
Prescribed Burning (ac.) 338	1,385	X	X								
Restoration and Management of Declining Habitats (ac.) 643	462	X	X	X							
Upland Wildlife Habitat Management (ac.) 645	1,847	X	X								
Use Exclusion (ac.) 472	0	X	X	X							
Resource Management System (RMS) Acres Treated		17,542									
Brush Management (ac.) 314	0	X	X								
Conservation Cover (ac.) 327	7,155	X	X				X				
Critical Area Planting (ac.) 342	129	X	X								
Early Successional Habitat Development/Management (ac.) 647	3,047	X	X								
Field Border (ft.) 386	438,544	X	X				X				
Forage Harvest Management (ac.) 511	13,156	X									
Grassed Waterway (ac.) 412	175	X	X				X				
Nutrient Management (ac.) 590	13,156	X	X								
Pasture and Hay Planting (ac.) 512	7,617	X	X								
Pest Management (ac.) 595	14,080	X	X								
Prescribed Burning (ac.) 338	2,816	X	X								
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	15,788	X	X								
Restoration and Management of Declining Habitats (ac.) 643	646	X	X	X							
Terrace (ft.) 600	292,363	X	X				X				
Upland Wildlife Habitat Management (ac.) 645	6,093	X	X								
Use Exclusion (ac.) 472	0	X	X	X							

WATERSHED NAME & CODE		SPRING RIVER - 11070207				LANDUSE ACRES		123,100	
LANDUSE TYPE		NON-CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		60	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		40%	
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	Fish and Wildlife – Inadequate Cover/Shelter
Baseline System		System Rating ->				4	5	4	4
Total Acreage at Baseline Level		36,930	14,772	0	14,772				
Brush Management (ac.) 314		7,386	2,954	0	2,954	3	3	4	3
Conservation Cover (ac.) 327		18,465	7,386	0	7,386	5	4	0	2
Pasture and Hay Planting (ac.) 512		18,465	7,386	0	7,386	4	5	5	3
Upland Wildlife Habitat Management (ac.) 645		3,693	1,477	0	1,477	3	4	4	5
Use Exclusion (ac.) 472		36,930	14,772	0	14,772	2	4	4	3
Progressive System		System Rating ->				5	5	5	5
Total Acreage at Progressive Level		30,775	26,159	9,233	35,391				
Brush Management (ac.) 314		7,694	8,386	462	8,848	3	3	4	3
Conservation Cover (ac.) 327		26,159	26,851	3,231	30,083	5	4	0	2
Critical Area Planting (ac.) 342		308	262	92	354	5	5	0	2
Early Successional Habitat Development/Management (ac.) 647		3,078	2,616	923	3,539	0	4	0	4
Pasture and Hay Planting (ac.) 512		23,081	24,235	2,308	26,543	4	5	5	3
Pest Management (ac.) 595		23,081	19,619	6,924	26,543	0	5	4	3
Prescribed Burning (ac.) 338		4,616	3,924	1,385	5,309	1	5	5	3
Restoration and Management of Declining Habitats (ac.) 643		1,539	1,308	462	1,770	2	4	4	4
Upland Wildlife Habitat Management (ac.) 645		9,233	8,771	1,847	10,617	3	4	4	5
Use Exclusion (ac.) 472		30,775	35,391	0	35,391	2	4	4	3
Resource Management System (RMS)		System Rating ->				5	5	5	5
Total Acreage at RMS Level		55,395	55,395	17,542	72,937				
Brush Management (ac.) 314		11,079	14,587	0	14,587	3	3	4	3
Conservation Cover (ac.) 327		55,395	65,782	7,155	72,937	5	4	0	2
Critical Area Planting (ac.) 342		554	600	129	729	5	5	0	2
Early Successional Habitat Development/Management (ac.) 647		11,079	11,541	3,047	14,587	0	4	0	4
Field Border (ft.) 386		1,384,875	1,384,875	438,544	1,823,419	4	4	0	2
Forage Harvest Management (ac.) 511		41,546	41,546	13,156	54,703	3	4	4	2
Grassed Waterway (ac.) 412		554	554	175	729	0	5	0	1
Nutrient Management (ac.) 590		41,546	41,546	13,156	54,703	0	3	4	1
Pasture and Hay Planting (ac.) 512		55,395	65,320	7,617	72,937	4	5	5	3
Pest Management (ac.) 595		55,395	58,857	14,080	72,937	0	5	4	3
Prescribed Burning (ac.) 338		11,079	11,771	2,816	14,587	1	5	5	3
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		49,856	49,856	15,788	65,643	5	2	0	2
Restoration and Management of Declining Habitats (ac.) 643		2,770	3,001	646	3,647	2	4	4	4
Terrace (ft.) 600		923,250	923,250	292,363	1,215,613	5	2	0	0
Upland Wildlife Habitat Management (ac.) 645		27,698	30,375	6,093	36,468	3	4	4	5
Use Exclusion (ac.) 472		55,395	72,937	0	72,937	2	4	4	3
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		9232.5							
Brush Management (ac.) 314		462	\$20,471	\$0	\$4,094	\$24,565	\$20,471	\$409	\$22,195
Conservation Cover (ac.) 327		3,231	\$204,465	\$0	\$40,893	\$245,358	\$204,465	\$4,089	\$221,691
Critical Area Planting (ac.) 342		92	\$21,982	\$0	\$4,396	\$26,378	\$21,982	\$440	\$23,834
Early Successional Habitat Development/Management (ac.) 647		923	\$6,924	\$0	\$1,385	\$8,309	\$6,924	\$2,077	\$15,675
Pasture and Hay Planting (ac.) 512		2,308	\$155,972	\$0	\$31,194	\$187,166	\$155,972	\$6,239	\$182,252
Pest Management (ac.) 595		6,924	\$0	\$443,298	\$88,660	\$483,640	\$0	\$147,766	\$227,464
Prescribed Burning (ac.) 338		1,385	\$12,215	\$0	\$2,443	\$14,658	\$12,215	\$0	\$12,215
Restoration and Management of Declining Habitats (ac.) 643		462	\$5,770	\$0	\$1,154	\$6,924	\$5,770	\$231	\$6,743
Upland Wildlife Habitat Management (ac.) 645		1,847	\$0	\$83,093	\$16,619	\$90,654	\$0	\$27,698	\$42,636
Use Exclusion (ac.) 472		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal			\$427,799	\$526,391	\$190,838	\$1,087,653	\$427,799	\$188,949	\$754,704
Resource Management System (RMS) Acres Treated		17541.75							
Brush Management (ac.) 314		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Conservation Cover (ac.) 327		7,155	\$452,744	\$0	\$90,549	\$543,293	\$452,744	\$9,055	\$490,887
Critical Area Planting (ac.) 342		129	\$30,774	\$0	\$6,155	\$36,929	\$30,774	\$615	\$33,367
Early Successional Habitat Development/Management (ac.) 647		3,047	\$22,850	\$0	\$4,570	\$27,421	\$22,850	\$6,855	\$51,727
Field Border (ft.) 386		438,544	\$10,964	\$0	\$2,193	\$13,156	\$10,964	\$439	\$12,811
Forage Harvest Management (ac.) 511		13,156	\$52,625	\$0	\$10,525	\$63,150	\$52,625	\$15,788	\$119,128
Grassed Waterway (ac.) 412		175	\$178,774	\$0	\$35,755	\$214,529	\$178,774	\$10,726	\$223,958
Nutrient Management (ac.) 590		13,156	\$0	\$500,071	\$100,014	\$545,580	\$0	\$166,690	\$256,595
Pasture and Hay Planting (ac.) 512		7,617	\$514,706	\$0	\$102,941	\$617,647	\$514,706	\$20,588	\$601,431
Pest Management (ac.) 595		14,080	\$0	\$901,374	\$180,275	\$983,402	\$0	\$300,458	\$462,510
Prescribed Burning (ac.) 338		2,816	\$24,836	\$0	\$4,967	\$29,804	\$24,836	\$0	\$24,836
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		15,788	\$0	\$858,686	\$171,737	\$936,830	\$0	\$286,229	\$440,607
Restoration and Management of Declining Habitats (ac.) 643		646	\$8,078	\$0	\$1,616	\$9,694	\$8,078	\$323	\$9,440
Terrace (ft.) 600		292,363	\$299,672	\$0	\$59,934	\$359,606	\$299,672	\$11,987	\$350,165
Upland Wildlife Habitat Management (ac.) 645		6,093	\$0	\$274,205	\$54,841	\$299,159	\$0	\$91,402	\$140,699
Use Exclusion (ac.) 472		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal			\$1,596,025	\$2,534,336	\$826,072	\$4,680,201	\$1,596,025	\$921,155	\$3,218,161
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		26774.25	\$2,023,823	\$3,060,727	\$1,016,910	\$5,767,854	\$2,023,823	\$1,110,104	\$3,972,865

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="Spring River"/>	Watershed Code	<input type="text" value="11070207"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Developed Land"/>	Landuse Acres	<input type="text" value="136,900"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="5"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	COMPARE	<input type="text" value="9%"/>	Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>	<input type="button" value="Next"/>

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	89%	121,841	Baseline	90%	109,657	Baseline	80%	109,657	109,657	0
			Progressive	10%	12,184					
			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%	13,690	Progressive	100%	13,690	Progressive	19%	25,874	13,690	12,184
			RMS	0%	0					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	1%	1,369	RMS	100%	1,369	RMS	1%	1,369	1,369	0
Grand Totals	100%	136,900					100%	136,900	124,716	12,184

DOCUMENTATION SECTION

PRACTICE FACTOR SHEET

Only shaded practices are in this analysis.

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

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

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Next

Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
327	0.0%	x 60.0%	x 60.0%	PERCENT of TU	Conservation Cover (ac.) 327
342	x 10.0%	x 10.0%	x 10.0%	PERCENT of TU	Critical Area Planting (ac.) 342
350	0	x 1	x 1	NUMBER per TU	Sediment Basin (no.) 350
362	0	0	x 100	FEET per TU	Diversion (ft.) 362
393	0.0%	0.0%	x 1.0%	PERCENT of TU	Filter Strip (ac.) 393
410	0	x 1	x 1	NUMBER per TU	Grade Stabilization Structure (no.) 410
412	0.0%	0.0%	x 1.0%	PERCENT of TU	Grassed Waterway (ac.) 412
484	0.0%	x 10.0%	x 10.0%	PERCENT of TU	Mulching (ac.) 484
490	0.0%	0.0%	x 5.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
554	x 20.0%	x 20.0%	x 20.0%	PERCENT of TU	Drainage Water Management (ac.) 554
560	x 500	x 500	x 500	FEET per TU	Access Road (ft.) 560
561	x 5.0%	x 5.0%	x 5.0%	PERCENT of TU	Heavy Use Area Protection (ac.) 561
570	0	0	x 1	NUMBER per TU	Runoff Management System (No. 570)
590	0.0%	x 50.0%	x 70.0%	PERCENT of TU	Nutrient Management (ac.) 590
612	x 5.0%	x 5.0%	x 5.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
348	1	1	1	NUMBER per TU	Dam, Diversion (no.) 348
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

Help

WATERSHED NAME & CODE		SPRING RIVER - 11070207			LANDUSE ACRES		136,900		
LANDUSE TYPE		DEVELOPED LAND			TYPICAL UNIT SIZE ACRES		5		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		9%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Road, Roadsides and Construction Sites	Soil Condition – Damage from Sediment Deposition	Water Quantity – Excessive Runoff, Flooding, or Ponding	Water Quality – Excessive Suspended Sediment and
Baseline System		System Rating ->			4	2	-1	3	
Total Acreage at Baseline Level		121,841	109,657	0	109,657				
Access Road (ft.) 560	12,184,100	10,965,690	0	10,965,690	1	0	-1	1	
Critical Area Planting (ac.) 342	12,184	10,966	0	10,966	5	3	0	4	
Drainage Water Management (ac.) 554	24,368	21,931	0	21,931	0	0	-2	0	
Heavy Use Area Protection (ac.) 561	6,092	5,483	0	5,483	3	2	0	2	
Tree/Shrub Establishment (ac.) 612	6,092	5,483	0	5,483	2	0	-1	4	
Progressive System		System Rating ->			4	3	1	4	
Total Acreage at Progressive Level		13,690	13,690	12,184	25,874				
Access Road (ft.) 560	1,369,000	2,587,410	0	2,587,410	1	0	-1	1	
Conservation Cover (ac.) 327	8,214	8,214	7,310	15,524	0	3	2	3	
Critical Area Planting (ac.) 342	1,369	2,587	0	2,587	5	3	0	4	
Drainage Water Management (ac.) 554	2,738	5,175	0	5,175	0	0	-2	0	
Grade Stabilization Structure (no.) 410	2,738	2,738	2,437	5,175	0	0	0	2	
Heavy Use Area Protection (ac.) 561	685	1,294	0	1,294	3	2	0	2	
Mulching (ac.) 484	1,369	1,369	1,218	2,587	4	1	2	2	
Nutrient Management (ac.) 590	6,845	6,845	6,092	12,937	0	1	0	0	
Sediment Basin (no.) 350	2,738	2,738	2,437	5,175	0	3	2	4	
Tree/Shrub Establishment (ac.) 612	685	1,294	0	1,294	2	0	-1	4	
Resource Management System (RMS)		System Rating ->			5	4	2	5	
Total Acreage at RMS Level		1,369	1,369	0	1,369				
Access Road (ft.) 560	136,900	136,900	0	136,900	1	0	-1	1	
Conservation Cover (ac.) 327	821	821	0	821	0	3	2	3	
Critical Area Planting (ac.) 342	137	137	0	137	5	3	0	4	
Diversion (ft.) 362	27,380	27,380	0	27,380	2	2	3	2	
Drainage Water Management (ac.) 554	274	274	0	274	0	0	-2	0	
Filter Strip (ac.) 393	14	14	0	14	0	2	0	5	
Grade Stabilization Structure (no.) 410	274	274	0	274	0	0	0	2	
Grassed Waterway (ac.) 412	14	14	0	14	2	1	3	2	
Heavy Use Area Protection (ac.) 561	68	68	0	68	3	2	0	2	
Mulching (ac.) 484	137	137	0	137	4	1	2	2	
Nutrient Management (ac.) 590	958	958	0	958	0	1	0	0	
Runoff Management System (ac.) 570	274	274	0	274	4	3	2	2	
Sediment Basin (no.) 350	274	274	0	274	0	3	2	4	
Tree/Shrub Establishment (ac.) 612	68	68	0	68	2	0	-1	4	
Tree/Shrub Site Preparation (ac.) 490	68	68	0	68	0	0	0	-1	

WATERSHED NAME & CODE		SPRING RIVER - 11070207				LANDUSE ACRES		136,900	
LANDUSE TYPE		DEVELOPED LAND				TYPICAL UNIT SIZE ACRES		5	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		9%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		12,184							
Access Road (ft.) 560	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Conservation Cover (ac.) 327	7,310	\$462,569	\$0	\$92,514	\$555,083	\$462,569	\$9,251	\$501,540	
Critical Area Planting (ac.) 342	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Drainage Water Management (ac.) 554	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Grade Stabilization Structure (no.) 410	2,437	\$12,403,231	\$0	\$2,480,646	\$14,883,877	\$12,403,231	\$744,194	\$15,538,046	
Heavy Use Area Protection (ac.) 561	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Mulching (ac.) 484	1,218	\$0	\$365,523	\$73,105	\$398,787	\$0	\$121,841	\$187,556	
Nutrient Management (ac.) 590	6,092	\$0	\$231,559	\$46,312	\$252,632	\$0	\$77,186	\$118,817	
Sediment Basin (no.) 350	2,437	\$3,046,025	\$0	\$609,205	\$3,655,230	\$3,046,025	\$121,841	\$3,559,264	
Tree/Shrub Establishment (ac.) 612	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal		\$15,911,825	\$597,082	\$3,301,781	\$19,745,609	\$15,911,825	\$1,074,314	\$19,905,222	
Resource Management System (RMS) Acres Treated		0							
Access Road (ft.) 560	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Conservation Cover (ac.) 327	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Critical Area Planting (ac.) 342	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Diversion (ft.) 362	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Drainage Water Management (ac.) 554	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Filter Strip (ac.) 393	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	
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	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Runoff Management System (ac.) 570	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Sediment Basin (no.) 350	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	
Subtotal		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		0	\$15,911,825	\$597,082	\$3,301,781	\$19,745,609	\$15,911,825	\$1,074,314	\$19,905,222

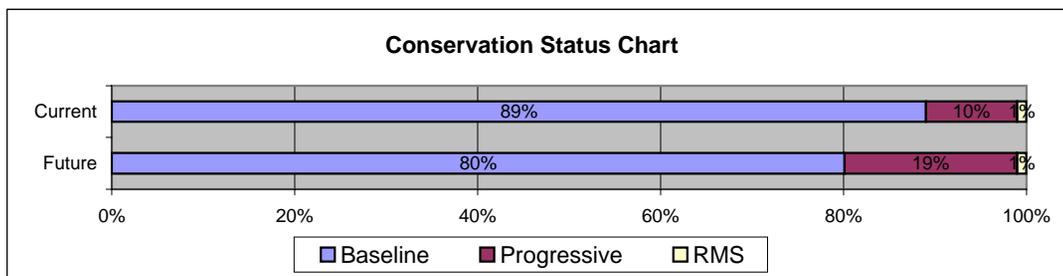


Chart Refers To	
Landuse Type	DEVELOPED LAND
Estimated Participation Rate	9%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$1,621	\$1,634
RMS	--	--

Estimated FTE per Year	6.6
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WATERSHED NAME & CODE		SPRING RIVER - 11070207						LANDUSE ACRES			136,900
LANDUSE TYPE		DEVELOPED LAND						TYPICAL UNIT SIZE ACRES			5
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			9%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
Progressive System Acres Treated		12,184									
Access Road (ft.) 560	0	X									
Conservation Cover (ac.) 327	7,310	X	X				X				
Critical Area Planting (ac.) 342	0	X	X								
Drainage Water Management (ac.) 554	0	X	X								
Grade Stabilization Structure (no.) 410	2,437	X	X								
Heavy Use Area Protection (ac.) 561	0	X	X								
Mulching (ac.) 484	1,218	X		X							
Nutrient Management (ac.) 590	6,092	X	X								
Sediment Basin (no.) 350	2,437	X									
Tree/Shrub Establishment (ac.) 612	0	X	X	X							
Resource Management System (RMS) Acres Treated		0									
Access Road (ft.) 560	0	X									
Conservation Cover (ac.) 327	0	X	X				X				
Critical Area Planting (ac.) 342	0	X	X								
Diversion (ft.) 362	0	X	X	X							
Drainage Water Management (ac.) 554	0	X	X								
Filter Strip (ac.) 393	0	X					X				
Grade Stabilization Structure (no.) 410	0	X	X								
Grassed Waterway (ac.) 412	0	X	X				X				
Heavy Use Area Protection (ac.) 561	0	X	X								
Mulching (ac.) 484	0	X		X							
Nutrient Management (ac.) 590	0	X	X								
Runoff Management System (ac.) 570	0	X									
Sediment Basin (no.) 350	0	X									
Tree/Shrub Establishment (ac.) 612	0	X	X	X							
Tree/Shrub Site Preparation (ac.) 490	0	X	X	X							

WATERSHED NAME & CODE		SPRING RIVER - 11070207			LANDUSE ACRES		136,900		
LANDUSE TYPE		DEVELOPED LAND			TYPICAL UNIT SIZE ACRES		5		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		9%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Road, Roadsides and Construction Sites	Soil Condition – Damage from Sediment Deposition	Water Quantity – Excessive Runoff, Flooding, or Ponding	Water Quality – Excessive Suspended Sediment and Turbidity
Baseline System		System Rating ->			4	2	-1	3	
Total Acreage at Baseline Level		121,841	109,657	0	109,657				
Access Road (ft.) 560		12,184,100	10,965,690	0	10,965,690	1	0	-1	1
Critical Area Planting (ac.) 342		12,184	10,966	0	10,966	5	3	0	4
Drainage Water Management (ac.) 554		24,368	21,931	0	21,931	0	0	-2	0
Heavy Use Area Protection (ac.) 561		6,092	5,483	0	5,483	3	2	0	2
Tree/Shrub Establishment (ac.) 612		6,092	5,483	0	5,483	2	0	-1	4
Progressive System		System Rating ->			4	3	1	4	
Total Acreage at Progressive Level		13,690	13,690	12,184	25,874				
Access Road (ft.) 560		1,369,000	2,587,410	0	2,587,410	1	0	-1	1
Conservation Cover (ac.) 327		8,214	8,214	7,310	15,524	0	3	2	3
Critical Area Planting (ac.) 342		1,369	2,587	0	2,587	5	3	0	4
Drainage Water Management (ac.) 554		2,738	5,175	0	5,175	0	0	-2	0
Grade Stabilization Structure (no.) 410		2,738	2,738	2,437	5,175	0	0	0	2
Heavy Use Area Protection (ac.) 561		685	1,294	0	1,294	3	2	0	2
Mulching (ac.) 484		1,369	1,369	1,218	2,587	4	1	2	2
Nutrient Management (ac.) 590		6,845	6,845	6,092	12,937	0	1	0	0
Sediment Basin (no.) 350		2,738	2,738	2,437	5,175	0	3	2	4
Tree/Shrub Establishment (ac.) 612		685	1,294	0	1,294	2	0	-1	4
Resource Management System (RMS)		System Rating ->			5	4	2	5	
Total Acreage at RMS Level		1,369	1,369	0	1,369				
Access Road (ft.) 560		136,900	136,900	0	136,900	1	0	-1	1
Conservation Cover (ac.) 327		821	821	0	821	0	3	2	3
Critical Area Planting (ac.) 342		137	137	0	137	5	3	0	4
Diversion (ft.) 362		27,380	27,380	0	27,380	2	2	3	2
Drainage Water Management (ac.) 554		274	274	0	274	0	0	-2	0
Filter Strip (ac.) 393		14	14	0	14	0	2	0	5
Grade Stabilization Structure (no.) 410		274	274	0	274	0	0	0	2
Grassed Waterway (ac.) 412		14	14	0	14	2	1	3	2
Heavy Use Area Protection (ac.) 561		68	68	0	68	3	2	0	2
Mulching (ac.) 484		137	137	0	137	4	1	2	2
Nutrient Management (ac.) 590		958	958	0	958	0	1	0	0
Runoff Management System (ac.) 570		274	274	0	274	4	3	2	2
Sediment Basin (no.) 350		274	274	0	274	0	3	2	4
Tree/Shrub Establishment (ac.) 612		68	68	0	68	2	0	-1	4
Tree/Shrub Site Preparation (ac.) 490		68	68	0	68	0	0	0	-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		12184.1							
Access Road (ft.) 560		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Conservation Cover (ac.) 327		7,310	\$462,569	\$0	\$92,514	\$555,083	\$462,569	\$9,251	\$501,540
Critical Area Planting (ac.) 342		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Drainage Water Management (ac.) 554		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grade Stabilization Structure (no.) 410		2,437	\$12,403,231	\$0	\$2,480,646	\$14,883,877	\$12,403,231	\$744,194	\$15,538,046
Heavy Use Area Protection (ac.) 561		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Mulching (ac.) 484		1,218	\$0	\$365,523	\$73,105	\$398,787	\$0	\$121,841	\$187,556
Nutrient Management (ac.) 590		6,092	\$0	\$231,559	\$46,312	\$252,632	\$0	\$77,186	\$118,817
Sediment Basin (no.) 350		2,437	\$3,046,025	\$0	\$609,205	\$3,655,230	\$3,046,025	\$121,841	\$3,559,264
Tree/Shrub Establishment (ac.) 612		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Subtotal	\$15,911,825	\$597,082	\$3,301,781	\$19,745,609	\$15,911,825	\$1,074,314	\$19,905,222
Resource Management System (RMS) Acres Treated		0							
Access Road (ft.) 560		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Conservation Cover (ac.) 327		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Critical Area Planting (ac.) 342		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Diversion (ft.) 362		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Drainage Water Management (ac.) 554		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Filter Strip (ac.) 393		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
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		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Runoff Management System (ac.) 570		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sediment Basin (no.) 350		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
		Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		12184.1	\$15,911,825	\$597,082	\$3,301,781	\$19,745,609	\$15,911,825	\$1,074,314	\$19,905,222

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="Spring River"/>	Watershed Code	<input type="text" value="11070207"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Pastureland"/>	Landuse Acres	<input type="text" value="722,700"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="110"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	← COMPARE →	<input type="text" value="20%"/>	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	45%	325,215	Baseline	75%	243,911	Baseline	34%	243,911	243,911	0
			Progressive	15%	48,782					
			RMS	10%	32,522					
			<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%	289,080	Progressive	85%	245,718	Progressive	41%	294,500	245,718	48,782
			RMS	15%	43,362					
			<i>Must Total 100%</i>		<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	15%	108,405	RMS	100%	108,405	RMS	26%	184,289	108,405	75,884
Grand Totals	100%	722,700					100%	722,700	598,034	124,666

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 10.0%	x 15.0%	x 10.0%	PERCENT of TU	Brush Management (ac.) 314
342	0.0%	0.0%	x 1.0%	PERCENT of TU	Critical Area Planting (ac.) 342
378	x 1	x 2	x 4	NUMBER per TU	Pond (no.) 378
382	x 8,700	x 13,000	x 17,000	FEET per TU	Fence (ft.) 382
410	0	0	x 2	NUMBER per TU	Grade Stabilization Structure (no.) 410
472	0.0%	0.0%	x 1.0%	PERCENT of TU	Use Exclusion (ac.) 472
511	0.0%	x 25.0%	x 35.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	x 10.0%	x 40.0%	x 75.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
516	0	x 1,000	x 2,000	FEET per TU	Pipeline (ft.) 516
528	0.0%	x 99.0%	x 99.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
561	0.0%	0.0%	x 1.0%	PERCENT of TU	Heavy Use Area Protection (ac.) 561
590	0.0%	0.0%	x 33.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	x 50.0%	x 75.0%	PERCENT of TU	Pest Management (ac.) 595
614	0	x 4	x 8	NUMBER per TU	Watering Facility (no.) 614
642	x 1	x 1	x 1	NUMBER per TU	Water Well (no.) 642
643	0.0%	0.0%	x 1.0%	PERCENT of TU	Restoration and Management of Declining Habitats (ac.) 643
645	0.0%	0.0%	x 50.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
338	100.0%	100.0%	100.0%	PERCENT of TU	Prescribed Burning (ac.) 338
340	100.0%	100.0%	100.0%	PERCENT of TU	Cover Crop (ac.) 340
351	1	1	1	NUMBER per TU	Well Decommissioning (no.) 351
391	25.0%	25.0%	25.0%	PERCENT of TU	Riparian Forest Buffer (ac.) 391
592	1	1	1	NUMBER per TU	Feed Management (no.) 592
612	10.0%	10.0%	10.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
634	1	1	1	NUMBER per TU	Manure Transfer (no.) 634

Help

WATERSHED NAME & CODE		SPRING RIVER - 11070207			LANDUSE ACRES		722,700	
LANDUSE TYPE		PASTURELAND			TYPICAL UNIT SIZE ACRES		110	
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		20%	
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 – Forage Quality and Palatability	Domestic Animals – Inadequate Quantities and Quality of Feed
Baseline System		System Rating ->			3	4	4	4
Total Acreage at Baseline Level		325,215	243,911	0	243,911			
Brush Management (ac.) 314	32,522	24,391	0	24,391	3	4	4	0
Fence (ft.) 382	25,721,550	19,291,163	0	19,291,163	0	0	0	0
Pasture and Hay Planting (ac.) 512	32,522	24,391	0	24,391	4	5	5	0
Pond (no.) 378	2,957	2,217	0	2,217	0	0	0	5
Water Well (no.) 642	2,957	2,217	0	2,217	2	0	2	5
Progressive System		System Rating ->			4	5	5	5
Total Acreage at Progressive Level		289,080	245,718	48,782	294,500			
Brush Management (ac.) 314	43,362	41,736	2,439	44,175	3	4	4	0
Fence (ft.) 382	34,164,000	32,897,633	1,906,943	34,804,575	0	0	0	0
Forage Harvest Management (ac.) 511	72,270	61,430	12,196	73,625	3	4	4	0
Pasture and Hay Planting (ac.) 512	115,632	103,165	14,635	117,800	4	5	5	0
Pest Management (ac.) 595	144,540	122,859	24,391	147,250	0	4	4	0
Pipeline (ft.) 516	2,628,000	2,233,800	443,475	2,677,275	0	0	0	5
Pond (no.) 378	5,256	4,911	443	5,355	0	0	0	5
Prescribed Grazing (ac.) 528	286,189	243,261	48,294	291,555	4	4	5	0
Water Well (no.) 642	2,628	2,677	0	2,677	2	0	2	5
Watering Facility (no.) 614	10,512	8,935	1,774	10,709	2	0	3	5
Resource Management System (RMS)		System Rating ->			5	5	5	5
Total Acreage at RMS Level		108,405	108,405	75,884	184,289			
Brush Management (ac.) 314	10,841	18,429	0	18,429	3	4	4	0
Critical Area Planting (ac.) 342	1,084	1,084	759	1,843	5	0	1	0
Fence (ft.) 382	16,753,500	24,450,255	4,030,695	28,480,950	0	0	0	0
Forage Harvest Management (ac.) 511	37,942	48,782	15,719	64,501	3	4	4	0
Grade Stabilization Structure (no.) 410	1,971	1,971	1,380	3,351	0	0	0	0
Heavy Use Area Protection (ac.) 561	1,084	1,084	759	1,843	3	0	0	0
Nutrient Management (ac.) 590	35,774	35,774	25,042	60,815	0	4	4	0
Pasture and Hay Planting (ac.) 512	81,304	101,901	36,316	138,216	4	5	5	0
Pest Management (ac.) 595	81,304	102,985	35,232	138,216	0	4	4	0
Pipeline (ft.) 516	1,971,000	2,365,200	985,500	3,350,700	0	0	0	5
Pond (no.) 378	3,942	5,026	1,675	6,701	0	0	0	5
Prescribed Grazing (ac.) 528	107,321	150,249	32,196	182,446	4	4	5	0
Restoration and Management of Declining Habitats (ac.) 643	1,084	1,084	759	1,843	2	4	0	0
Upland Wildlife Habitat Management (ac.) 645	54,203	54,203	37,942	92,144	3	4	2	0
Use Exclusion (ac.) 472	1,084	1,084	759	1,843	2	4	4	1
Water Well (no.) 642	986	1,675	0	1,675	2	0	2	5
Watering Facility (no.) 614	7,884	9,461	3,942	13,403	2	0	3	5

WATERSHED NAME & CODE		SPRING RIVER - 11070207				LANDUSE ACRES		722,700		
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		110		
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		20%		
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		48,782								
Brush Management (ac.) 314	2,439	\$108,162	\$0	\$21,632	\$129,795	\$108,162	\$2,163	\$117,275		
Fence (ft.) 382	1,906,943	\$1,392,068	\$0	\$278,414	\$1,670,482	\$1,392,068	\$139,207	\$1,978,458		
Forage Harvest Management (ac.) 511	12,196	\$48,782	\$0	\$9,756	\$58,539	\$48,782	\$14,635	\$110,429		
Pasture and Hay Planting (ac.) 512	14,635	\$988,938	\$0	\$197,788	\$1,186,726	\$988,938	\$39,558	\$1,155,569		
Pest Management (ac.) 595	24,391	\$0	\$1,561,520	\$312,304	\$1,703,624	\$0	\$520,507	\$801,243		
Pipeline (ft.) 516	443,475	\$476,736	\$0	\$95,347	\$572,083	\$476,736	\$0	\$476,736		
Pond (no.) 378	443	\$1,330,425	\$0	\$266,085	\$1,596,510	\$1,330,425	\$53,217	\$1,554,594		
Prescribed Grazing (ac.) 528	48,294	\$212,495	\$0	\$42,499	\$254,995	\$212,495	\$0	\$212,495		
Water Well (no.) 642	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Watering Facility (no.) 614	1,774	\$805,679	\$0	\$161,136	\$966,815	\$805,679	\$32,227	\$941,431		
Subtotal		\$5,363,286	\$1,561,520	\$1,384,961	\$8,139,567	\$5,363,286	\$801,513	\$7,348,230		
Resource Management System (RMS) Acres Treated		75,884								
Brush Management (ac.) 314	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Critical Area Planting (ac.) 342	759	\$180,671	\$0	\$36,134	\$216,805	\$180,671	\$3,613	\$195,892		
Fence (ft.) 382	4,030,695	\$2,942,407	\$0	\$588,481	\$3,530,889	\$2,942,407	\$294,241	\$4,181,856		
Forage Harvest Management (ac.) 511	15,719	\$62,875	\$0	\$12,575	\$75,450	\$62,875	\$18,862	\$142,330		
Grade Stabilization Structure (no.) 410	1,380	\$7,022,570	\$0	\$1,404,514	\$8,427,083	\$7,022,570	\$421,354	\$8,797,467		
Heavy Use Area Protection (ac.) 561	759	\$19,814,548	\$0	\$3,962,910	\$23,777,457	\$19,814,548	\$1,981,455	\$28,161,156		
Nutrient Management (ac.) 590	25,042	\$0	\$951,830	\$190,366	\$1,038,450	\$0	\$317,277	\$488,400		
Pasture and Hay Planting (ac.) 512	36,316	\$2,454,032	\$0	\$490,806	\$2,944,838	\$2,454,032	\$98,161	\$2,867,523		
Pest Management (ac.) 595	35,232	\$0	\$2,255,529	\$451,106	\$2,460,791	\$0	\$751,843	\$1,157,351		
Pipeline (ft.) 516	985,500	\$1,059,413	\$0	\$211,883	\$1,271,295	\$1,059,413	\$0	\$1,059,413		
Pond (no.) 378	1,675	\$5,026,050	\$0	\$1,005,210	\$6,031,260	\$5,026,050	\$201,042	\$5,872,912		
Prescribed Grazing (ac.) 528	32,196	\$141,664	\$0	\$28,333	\$169,996	\$141,664	\$0	\$141,664		
Restoration and Management of Declining Habitats (ac.) 643	759	\$9,485	\$0	\$1,897	\$11,383	\$9,485	\$379	\$11,084		
Upland Wildlife Habitat Management (ac.) 645	37,942	\$0	\$1,707,379	\$341,476	\$1,862,757	\$0	\$569,126	\$876,086		
Use Exclusion (ac.) 472	759	\$1,897	\$0	\$379	\$2,277	\$1,897	\$114	\$2,377		
Water Well (no.) 642	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Watering Facility (no.) 614	3,942	\$1,790,397	\$0	\$358,079	\$2,148,477	\$1,790,397	\$71,616	\$2,092,069		
Subtotal		\$40,506,008	\$4,914,737	\$9,084,149	\$53,969,207	\$40,506,008	\$4,729,084	\$56,047,579		
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		2439.1125	\$45,869,294	\$6,476,257	\$10,469,110	\$62,108,775	\$45,869,294	\$5,530,597	\$63,395,808	

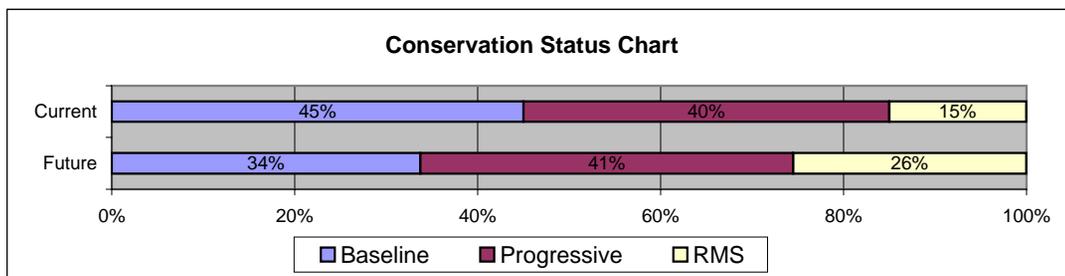


Chart Refers To	
Landuse Type	PASTURELAND
Estimated Participation Rate	20%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$167	\$151
RMS	\$711	\$739

Estimated FTE per Year	20.9
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WATERSHED NAME & CODE		SPRING RIVER - 11070207						LANDUSE ACRES			722,700
LANDUSE TYPE		PASTURELAND						TYPICAL UNIT SIZE ACRES			110
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			20%	
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	48,782										
Brush Management (ac.) 314	2,439	X	X								
Fence (ft.) 382	1,906,943	X	X								
Forage Harvest Management (ac.) 511	12,196	X									
Pasture and Hay Planting (ac.) 512	14,635	X	X								
Pest Management (ac.) 595	24,391	X	X								
Pipeline (ft.) 516	443,475	X	X								
Pond (no.) 378	443	X									
Prescribed Grazing (ac.) 528	48,294	X	X								
Water Well (no.) 642	0	X	X								
Watering Facility (no.) 614	1,774	X	X								
Resource Management System (RMS) Acres Treated	75,884										
Brush Management (ac.) 314	0	X	X								
Critical Area Planting (ac.) 342	759	X	X								
Fence (ft.) 382	4,030,695	X	X								
Forage Harvest Management (ac.) 511	15,719	X									
Grade Stabilization Structure (no.) 410	1,380	X	X								
Heavy Use Area Protection (ac.) 561	759	X	X								
Nutrient Management (ac.) 590	25,042	X	X								
Pasture and Hay Planting (ac.) 512	36,316	X	X								
Pest Management (ac.) 595	35,232	X	X								
Pipeline (ft.) 516	985,500	X	X								
Pond (no.) 378	1,675	X									
Prescribed Grazing (ac.) 528	32,196	X	X								
Restoration and Management of Declining Habitats (ac.) 643	759	X	X	X							
Upland Wildlife Habitat Management (ac.) 645	37,942	X	X								
Use Exclusion (ac.) 472	759	X	X	X							
Water Well (no.) 642	0	X	X								
Watering Facility (no.) 614	3,942	X	X								

WATERSHED NAME & CODE		SPRING RIVER - 11070207				LANDUSE ACRES		722,700	
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		110	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		20%	
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 – Forage Quality and Palatability	Domestic Animals – Inadequate Quantities and Quality of Feed and Forage	Domestic Animals – Inadequate Stock Water
Baseline System		System Rating ->				3	4	4	4
Total Acreage at Baseline Level		325,215	243,911	0	243,911				
Brush Management (ac.) 314		32,522	24,391	0	24,391	3	4	4	0
Fence (ft.) 382		25,721,550	19,291,163	0	19,291,163	0	0	0	0
Pasture and Hay Planting (ac.) 512		32,522	24,391	0	24,391	4	5	5	0
Pond (no.) 378		2,957	2,217	0	2,217	0	0	0	5
Water Well (no.) 642		2,957	2,217	0	2,217	2	0	2	5
Progressive System		System Rating ->				4	5	5	5
Total Acreage at Progressive Level		289,080	245,718	48,782	294,500				
Brush Management (ac.) 314		43,362	41,736	2,439	44,175	3	4	4	0
Fence (ft.) 382		34,164,000	32,897,633	1,906,943	34,804,575	0	0	0	0
Forage Harvest Management (ac.) 511		72,270	61,430	12,196	73,625	3	4	4	0
Pasture and Hay Planting (ac.) 512		115,632	103,165	14,635	117,800	4	5	5	0
Pest Management (ac.) 595		144,540	122,859	24,391	147,250	0	4	4	0
Pipeline (ft.) 516		2,628,000	2,233,800	443,475	2,677,275	0	0	0	5
Pond (no.) 378		5,256	4,911	443	5,355	0	0	0	5
Prescribed Grazing (ac.) 528		286,189	243,261	48,294	291,555	4	4	5	0
Water Well (no.) 642		2,628	2,677	0	2,677	2	0	2	5
Watering Facility (no.) 614		10,512	8,935	1,774	10,709	2	0	3	5
Resource Management System (RMS)		System Rating ->				5	5	5	5
Total Acreage at RMS Level		108,405	108,405	75,884	184,289				
Brush Management (ac.) 314		10,841	18,429	0	18,429	3	4	4	0
Critical Area Planting (ac.) 342		1,084	1,084	759	1,843	5	0	1	0
Fence (ft.) 382		16,753,500	24,450,255	4,030,695	28,480,950	0	0	0	0
Forage Harvest Management (ac.) 511		37,942	48,782	15,719	64,501	3	4	4	0
Grade Stabilization Structure (no.) 410		1,971	1,971	1,380	3,351	0	0	0	0
Heavy Use Area Protection (ac.) 561		1,084	1,084	759	1,843	3	0	0	0
Nutrient Management (ac.) 590		35,774	35,774	25,042	60,815	0	4	4	0
Pasture and Hay Planting (ac.) 512		81,304	101,901	36,316	138,216	4	5	5	0
Pest Management (ac.) 595		81,304	102,985	35,232	138,216	0	4	4	0
Pipeline (ft.) 516		1,971,000	2,365,200	985,500	3,350,700	0	0	0	5
Pond (no.) 378		3,942	5,026	1,675	6,701	0	0	0	5
Prescribed Grazing (ac.) 528		107,321	150,249	32,196	182,446	4	4	5	0
Restoration and Management of Declining Habitats (ac.) 643		1,084	1,084	759	1,843	2	4	0	0
Upland Wildlife Habitat Management (ac.) 645		54,203	54,203	37,942	92,144	3	4	2	0
Use Exclusion (ac.) 472		1,084	1,084	759	1,843	2	4	4	1
Water Well (no.) 642		986	1,675	0	1,675	2	0	2	5
Watering Facility (no.) 614		7,884	9,461	3,942	13,403	2	0	3	5
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		48782.25							
Brush Management (ac.) 314		2,439	\$108,162	\$0	\$21,632	\$129,795	\$108,162	\$2,163	\$117,275
Fence (ft.) 382		1,906,943	\$1,392,068	\$0	\$278,414	\$1,670,482	\$1,392,068	\$139,207	\$1,978,458
Forage Harvest Management (ac.) 511		12,196	\$48,782	\$0	\$9,756	\$58,539	\$48,782	\$14,635	\$110,429
Pasture and Hay Planting (ac.) 512		14,635	\$988,938	\$0	\$197,788	\$1,186,726	\$988,938	\$39,558	\$1,155,569
Pest Management (ac.) 595		24,391	\$0	\$1,561,520	\$312,304	\$1,703,624	\$0	\$520,507	\$801,243
Pipeline (ft.) 516		443,475	\$476,736	\$0	\$95,347	\$572,083	\$476,736	\$0	\$476,736
Pond (no.) 378		443	\$1,330,425	\$0	\$266,085	\$1,596,510	\$1,330,425	\$53,217	\$1,554,594
Prescribed Grazing (ac.) 528		48,294	\$212,495	\$0	\$42,499	\$254,995	\$212,495	\$0	\$212,495
Water Well (no.) 642		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Watering Facility (no.) 614		1,774	\$805,679	\$0	\$161,136	\$966,815	\$805,679	\$32,227	\$941,431
Subtotal			\$5,363,286	\$1,561,520	\$1,384,961	\$8,139,567	\$5,363,286	\$801,513	\$7,348,230
Resource Management System (RMS) Acres Treated		75883.5							
Brush Management (ac.) 314		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Critical Area Planting (ac.) 342		759	\$180,671	\$0	\$36,134	\$216,805	\$180,671	\$3,613	\$195,892
Fence (ft.) 382		4,030,695	\$2,942,407	\$0	\$588,481	\$3,530,889	\$2,942,407	\$294,241	\$4,181,856
Forage Harvest Management (ac.) 511		15,719	\$62,875	\$0	\$12,575	\$75,450	\$62,875	\$18,862	\$142,330
Grade Stabilization Structure (no.) 410		1,380	\$7,022,570	\$0	\$1,404,514	\$8,427,083	\$7,022,570	\$421,354	\$8,797,467
Heavy Use Area Protection (ac.) 561		759	\$19,814,548	\$0	\$3,962,910	\$23,777,457	\$19,814,548	\$1,981,455	\$28,161,156
Nutrient Management (ac.) 590		25,042	\$0	\$951,830	\$190,366	\$1,038,450	\$0	\$317,277	\$488,400
Pasture and Hay Planting (ac.) 512		36,316	\$2,454,032	\$0	\$490,806	\$2,944,838	\$2,454,032	\$98,161	\$2,867,523
Pest Management (ac.) 595		35,232	\$0	\$2,255,529	\$451,106	\$2,460,791	\$0	\$751,843	\$1,157,351
Pipeline (ft.) 516		985,500	\$1,059,413	\$0	\$211,883	\$1,271,295	\$1,059,413	\$0	\$1,059,413
Pond (no.) 378		1,675	\$5,026,050	\$0	\$1,005,210	\$6,031,260	\$5,026,050	\$201,042	\$5,872,912
Prescribed Grazing (ac.) 528		32,196	\$141,664	\$0	\$28,333	\$169,996	\$141,664	\$0	\$141,664
Restoration and Management of Declining Habitats (ac.) 643		759	\$9,485	\$0	\$1,897	\$11,383	\$9,485	\$379	\$11,084
Upland Wildlife Habitat Management (ac.) 645		37,942	\$0	\$1,707,379	\$341,476	\$1,862,757	\$0	\$569,126	\$876,086
Use Exclusion (ac.) 472		759	\$1,897	\$0	\$379	\$2,277	\$1,897	\$114	\$2,377
Water Well (no.) 642		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Watering Facility (no.) 614		3,942	\$1,790,397	\$0	\$358,079	\$2,148,477	\$1,790,397	\$71,616	\$2,092,069
Subtotal			\$40,506,008	\$4,914,737	\$9,084,149	\$53,969,207	\$40,506,008	\$4,729,084	\$56,047,579
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		124665.75	\$45,869,294	\$6,476,257	\$10,469,110	\$62,108,775	\$45,869,294	\$5,530,597	\$63,395,808

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="Spring River"/>	Watershed Code	<input type="text" value="11070207"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Forestland"/>	Landuse Acres	<input type="text" value="246,200"/>	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>	COMPARE	<input type="text" value="10%"/>	Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>	<input type="button" value="Next"/>

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	87%	214,194	Baseline	90%	192,775	Baseline	78%	192,775	192,775	0
			Progressive	6%	12,852					
			RMS	4%	8,568					
			<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%	19,696	Progressive	94%	18,514	Progressive	13%	31,366	18,514	12,852
			RMS	6%	1,182					
			<i>Must Total 100%</i>		<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	5%	12,310	RMS	100%	12,310	RMS	9%	22,060	12,310	9,750
Grand Totals	100%	246,200					100%	246,200	223,599	22,601

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
384	0.0%	x 33.0%	x 67.0%	PERCENT of TU	Forest Slash Treatment (ac.) 384
391	0.0%	x 15.0%	x 15.0%	PERCENT of TU	Riparian Forest Buffer (ac.) 391
409	0.0%	0.0%	x 100.0%	PERCENT of TU	Prescribed Forestry (ac.) 409
472	0.0%	x 75.0%	x 100.0%	PERCENT of TU	Use Exclusion (ac.) 472
490	0.0%	0.0%	x 5.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
560	x 1,000	x 1,000	x 1,000	FEET per TU	Access Road (ft.) 560
561	0.0%	0.0%	x 1.0%	PERCENT of TU	Heavy Use Area Protection (ac.) 561
612	0.0%	0.0%	x 5.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
645	0.0%	0.0%	x 100.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
655	0.0%	0.0%	x 1.0%	PERCENT of TU	Forest Trails & Landings (ac.) 655
666	0.0%	x 75.0%	x 100.0%	PERCENT of TU	Forest Stand Improvement (ac.) 666
314	25.0%	25.0%	25.0%	PERCENT of TU	Brush Management (ac.) 314
342	0.0%	0.0%	5.0%	PERCENT of TU	Critical Area Planting (ac.) 342
382	0	1,000	1,000	FEET per TU	Fence (ft.) 382
580	0	0	500	FEET per TU	Streambank & Shoreline Protection (ft.) 580
647	0.0%	0.0%	100.0%	PERCENT of TU	Early Successional Habitat Development/Management (ac.) 647
601	500	500	500	FEET per TU	Vegetative Barrier (ft.) 601
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		SPRING RIVER - 11070207			LANDUSE ACRES		246,200		
LANDUSE TYPE		FORESTLAND			TYPICAL UNIT SIZE ACRES		35		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		10%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Streambank	Plant Condition – Productivity, Health and Vigor	Fish and Wildlife – Inadequate Cover/Shelter	Fish and Wildlife – Habitat Fragmentation
Baseline System		System Rating ->			0	0	0	-1	
Total Acreage at Baseline Level		214,194	192,775	0	192,775				
Access Road (ft.) 560		6,119,829	5,507,846	0	5,507,846	0	0	0	-2
Progressive System		System Rating ->			2	5	3	2	
Total Acreage at Progressive Level		19,696	18,514	12,852	31,366				
Access Road (ft.) 560		562,743	896,168	0	896,168	0	0	0	-2
Forest Slash Treatment (ac.) 384		6,500	6,110	4,241	10,351	0	5	2	0
Forest Stand Improvement (ac.) 666		14,772	13,886	9,639	23,524	0	5	3	2
Riparian Forest Buffer (ac.) 391		2,954	2,777	1,928	4,705	4	4	4	4
Use Exclusion (ac.) 472		14,772	13,886	9,639	23,524	2	4	3	3
Resource Management System (RMS)		System Rating ->			4	5	5	3	
Total Acreage at RMS Level		12,310	12,310	9,750	22,060				
Access Road (ft.) 560		351,714	630,272	0	630,272	0	0	0	-2
Forest Slash Treatment (ac.) 384		8,248	8,638	6,142	14,780	0	5	2	0
Forest Stand Improvement (ac.) 666		12,310	13,196	8,863	22,060	0	5	3	2
Forest Trails and Landings (ac.) 655		123	123	97	221	0	2	2	-1
Heavy Use Area Protection (ac.) 561		123	123	97	221	3	3	0	-1
Prescribed Forestry (ac.) 409		12,310	12,310	9,750	22,060	5	5	3	4
Riparian Forest Buffer (ac.) 391		1,847	2,024	1,285	3,309	4	4	4	4
Tree/Shrub Establishment (ac.) 612		616	616	487	1,103	0	5	4	4
Tree/Shrub Site Preparation (ac.) 490		616	616	487	1,103	0	5	0	0
Upland Wildlife Habitat Management (ac.) 645		12,310	12,310	9,750	22,060	1	4	5	4
Use Exclusion (ac.) 472		12,310	13,196	8,863	22,060	2	4	3	3

WATERSHED NAME & CODE		SPRING RIVER - 11070207						LANDUSE ACRES			246,200	
LANDUSE TYPE		FORESTLAND						TYPICAL UNIT SIZE ACRES			35	
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			10%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS	
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State		District
Progressive System Acres Treated		12,852										
Access Road (ft.) 560	0	X										
Forest Slash Treatment (ac.) 384	4,241	X	X									
Forest Stand Improvement (ac.) 666	9,639	X	X									
Riparian Forest Buffer (ac.) 391	1,928	X	X									
Use Exclusion (ac.) 472	9,639	X	X	X								
Resource Management System (RMS) Acres Treated		9,750										
Access Road (ft.) 560	0	X										
Forest Slash Treatment (ac.) 384	6,142	X	X									
Forest Stand Improvement (ac.) 666	8,863	X	X									
Forest Trails and Landings (ac.) 655	97	X										
Heavy Use Area Protection (ac.) 561	97	X	X									
Prescribed Forestry (ac.) 409	9,750	X	X									
Riparian Forest Buffer (ac.) 391	1,285	X	X									
Tree/Shrub Establishment (ac.) 612	487	X	X	X								
Tree/Shrub Site Preparation (ac.) 490	487	X	X	X								
Upland Wildlife Habitat Management (ac.) 645	9,750	X	X									
Use Exclusion (ac.) 472	8,863	X	X	X								

WATERSHED NAME & CODE		SPRING RIVER - 11070207				LANDUSE ACRES		246,200	
LANDUSE TYPE		FORESTLAND				TYPICAL UNIT SIZE ACRES		35	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		10%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Streambank	Plant Condition – Productivity, Health and Vigor	Fish and Wildlife – Inadequate Cover/Shelter	Fish and Wildlife – Habitat Fragmentation
Baseline System		System Rating ->				0	0	0	-1
Total Acreage at Baseline Level		214,194	192,775	0	192,775				
Access Road (ft.) 560		6,119,829	5,507,846	0	5,507,846	0	0	0	-2
Progressive System		System Rating ->				2	5	3	2
Total Acreage at Progressive Level		19,696	18,514	12,852	31,366				
Access Road (ft.) 560		562,743	896,168	0	896,168	0	0	0	-2
Forest Slash Treatment (ac.) 384		6,500	6,110	4,241	10,351	0	5	2	0
Forest Stand Improvement (ac.) 666		14,772	13,886	9,639	23,524	0	5	3	2
Riparian Forest Buffer (ac.) 391		2,954	2,777	1,928	4,705	4	4	4	4
Use Exclusion (ac.) 472		14,772	13,886	9,639	23,524	2	4	3	3
Resource Management System (RMS)		System Rating ->				4	5	5	3
Total Acreage at RMS Level		12,310	12,310	9,750	22,060				
Access Road (ft.) 560		351,714	630,272	0	630,272	0	0	0	-2
Forest Slash Treatment (ac.) 384		8,248	8,638	6,142	14,780	0	5	2	0
Forest Stand Improvement (ac.) 666		12,310	13,196	8,863	22,060	0	5	3	2
Forest Trails and Landings (ac.) 655		123	123	97	221	0	2	2	-1
Heavy Use Area Protection (ac.) 561		123	123	97	221	3	3	0	-1
Prescribed Forestry (ac.) 409		12,310	12,310	9,750	22,060	5	5	3	4
Riparian Forest Buffer (ac.) 391		1,847	2,024	1,285	3,309	4	4	4	4
Tree/Shrub Establishment (ac.) 612		616	616	487	1,103	0	5	4	4
Tree/Shrub Site Preparation (ac.) 490		616	616	487	1,103	0	5	0	0
Upland Wildlife Habitat Management (ac.) 645		12,310	12,310	9,750	22,060	1	4	5	4
Use Exclusion (ac.) 472		12,310	13,196	8,863	22,060	2	4	3	3
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		12851.64							
Access Road (ft.) 560		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forest Slash Treatment (ac.) 384		4,241	\$530,130	\$0	\$106,026	\$636,156	\$530,130	\$0	\$530,130
Forest Stand Improvement (ac.) 666		9,639	\$431,478	\$0	\$86,296	\$517,773	\$431,478	\$8,630	\$467,829
Riparian Forest Buffer (ac.) 391		1,928	\$314,223	\$0	\$62,845	\$377,067	\$314,223	\$6,284	\$340,695
Use Exclusion (ac.) 472		9,639	\$24,097	\$0	\$4,819	\$28,916	\$24,097	\$1,446	\$30,187
Subtotal			\$1,299,927	\$0	\$259,985	\$1,559,913	\$1,299,927	\$16,360	\$1,368,841
Resource Management System (RMS) Acres Treated		9749.52							
Access Road (ft.) 560		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forest Slash Treatment (ac.) 384		6,142	\$767,775	\$0	\$153,555	\$921,330	\$767,775	\$0	\$767,775
Forest Stand Improvement (ac.) 666		8,863	\$396,761	\$0	\$79,352	\$476,113	\$396,761	\$7,935	\$430,187
Forest Trails and Landings (ac.) 655		97	\$58,084	\$0	\$11,617	\$69,701	\$58,084	\$2,323	\$67,871
Heavy Use Area Protection (ac.) 561		97	\$2,545,775	\$0	\$509,155	\$3,054,930	\$2,545,775	\$254,578	\$3,618,148
Prescribed Forestry (ac.) 409		9,750	\$243,738	\$0	\$48,748	\$292,486	\$243,738	\$0	\$243,738
Riparian Forest Buffer (ac.) 391		1,285	\$209,482	\$0	\$41,896	\$251,378	\$209,482	\$4,190	\$227,130
Tree/Shrub Establishment (ac.) 612		487	\$79,459	\$0	\$15,892	\$95,350	\$79,459	\$0	\$79,459
Tree/Shrub Site Preparation (ac.) 490		487	\$0	\$65,502	\$13,100	\$71,463	\$0	\$21,834	\$33,610
Upland Wildlife Habitat Management (ac.) 645		9,750	\$0	\$438,728	\$87,746	\$478,654	\$0	\$146,243	\$225,119
Use Exclusion (ac.) 472		8,863	\$22,158	\$0	\$4,432	\$26,590	\$22,158	\$1,329	\$27,758
Subtotal			\$4,323,232	\$504,231	\$965,492	\$5,737,995	\$4,323,232	\$438,432	\$5,720,796
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		22601.16	\$5,623,159	\$504,231	\$1,225,478	\$7,297,908	\$5,623,159	\$454,792	\$7,089,636

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