

Snake - 10160008

Projected Conservation Program Participation & Costs*

Land Uses	Participation Rate	Acres Treated	Installation Costs			
			Total	Federal		Private
				Cost Share	Technical Assistance	
Cropland	15%	49,995	\$29,275	\$101,890	\$29,275	
Grazingland	10%	33,777	\$630,574	\$156,327	\$630,574	
Hayland	5%	465	\$2,092	\$1,302	\$2,092	
HQ	14%	1,728	\$976,462	\$195,292	\$976,462	
Wildlife/CRP	5%	3,458	\$165,607	\$34,160	\$165,607	

*Estimate of federal and private investments in conservation activities over the next 5 year period. Assumes that past program participation and funding levels will continue over this period.

Resource Assessment by Landuse

Cropland

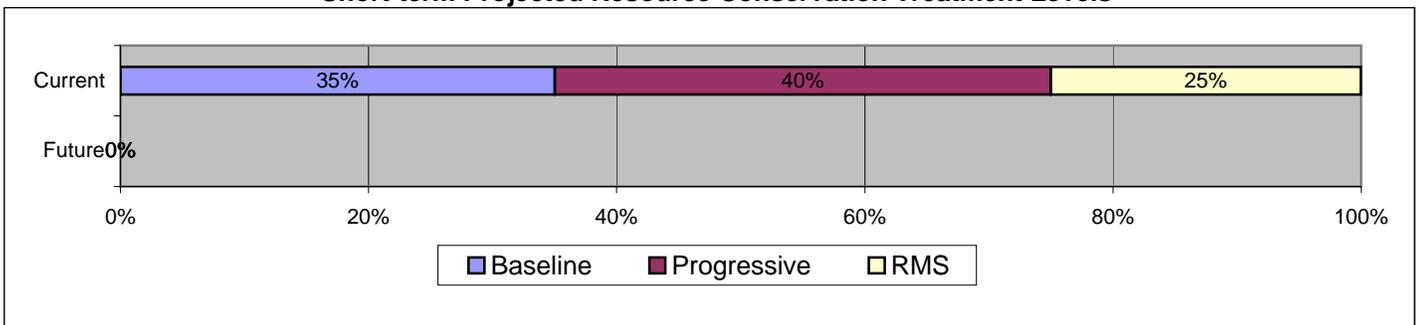
Resource Concerns:

- Soil Erosion – Sheet and Rill
- Soil Erosion – Wind
- Soil Erosion – Ephemeral Gully
- Water Quality – Excessive Nutrients and Organics in Surface Water

Conservation Practices Evaluated:

- ; Conservation Crop Rotation; Critical Area Planting; Filter Strip; Nutrient Management; Pest Management; Residue and Tillage Management, Mulch Till; Residue Management, No-Till/Strip Till/Direct Seed; Residue Management, Seasonal; Salinity and Sodic Soil Management; Upland Wildlife Habitat Management.

Short-term Projected Resource Conservation Treatment Levels



Rangeland/ Pastureland

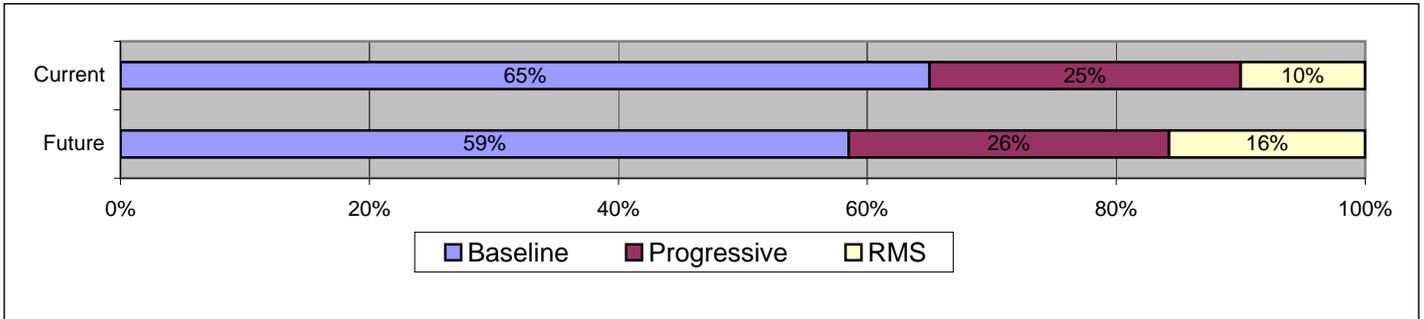
Resource Concerns:

- Soil Erosion – Sheet and Rill
- Plant Condition – Noxious and Invasive Plants
- Domestic Animals – Inadequate Quantities and Quality of Feed and Forage
- Domestic Animals – Inadequate Stock Water

Conservation Practices Evaluated:

- Fence; Nutrient Management; Pasture & Hayland Planting; Pest Management; Pipeline; Pond; Prescribed Grazing; Pumping Plant; Range Planting; Water Well; Watering Facility.

Short-term Projected Resource Conservation Treatment Levels



Hayland

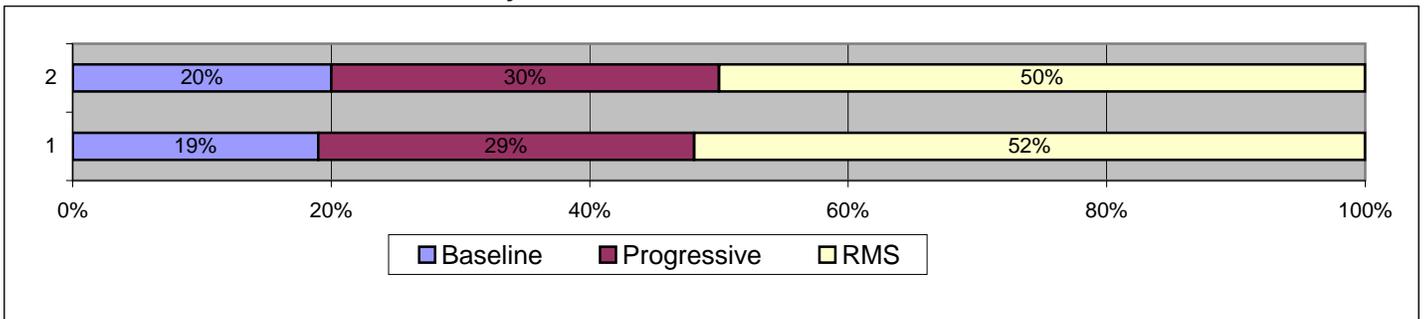
Resource Concerns:

- Soil Erosion – Sheet and Rill
- Plant Condition – Productivity, Health and Vigor
- Plant Condition – Noxious and Invasive Plants
- Plant Condition – Forage Quality and Palatability

Conservation Practices Evaluated:

- Forage Harvest Management; Nutrient Management; Pasture & Hayland Planting; Pest Management.

Short-term Projected Resource Conservation Treatment Levels



Headquarters

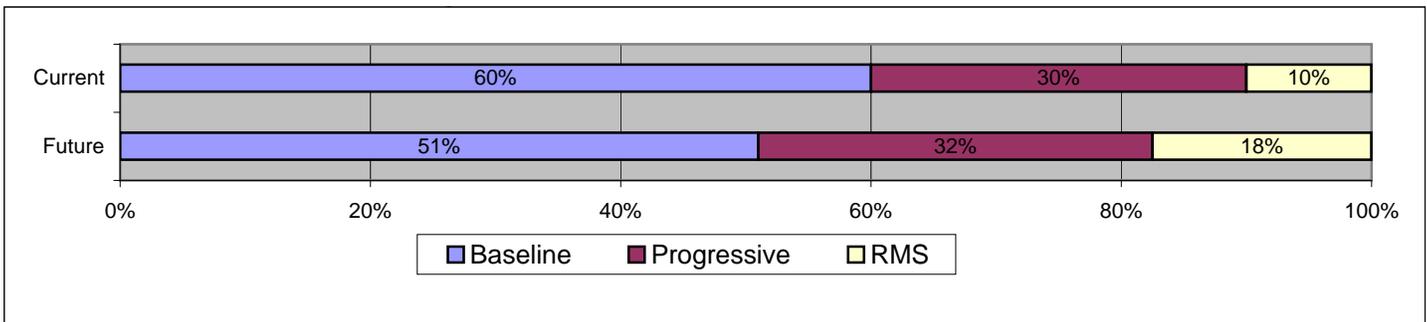
Resource Concerns:

- Water Quality – Excessive Nutrients and Organics in Groundwater
- Water Quality – Excessive Nutrients and Organics in Surface Water
- Water Quality – Excessive Suspended Sediment and Turbidity in Surface Water
- Air Quality – Objectionable Odors

Conservation Practices Evaluated:

Animal Mortality Facility; Critical Area Planting; Diversion; Heavy Use Area Protection.

Short-term Projected Resource Conservation Treatment Levels



Wildlife/ CRP

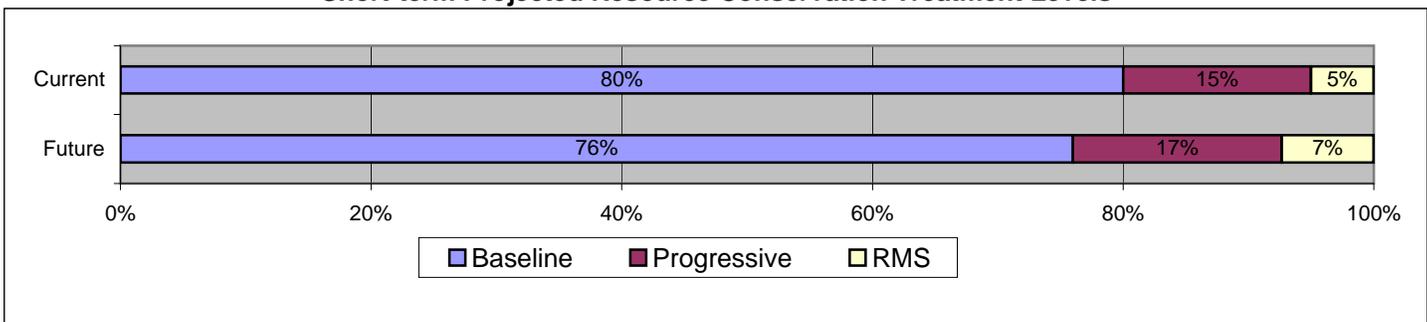
Resource Concerns:

- Plant Condition – Noxious and Invasive Plants
- Fish and Wildlife – Inadequate Cover/Shelter
- Fish and Wildlife – Habitat Fragmentation
- Fish and Wildlife – T & E Fish/Wildlife Species: Listed or Proposed under ESA

Conservation Practices Evaluated:

Conservation Cover; Hedgerow Planting; Mulching; Pest Management; Riparian Forest Buffer; Riparian Herbaceous Cover; Upland Wildlife Habitat Management; Use Exclusion; Wetland Restoration; Wetland Wildlife Habitat Management; Windbreak/Shelterbreak Establishment.

Short-term Projected Resource Conservation Treatment Levels



Enter Watershed Variables Below

Watershed Name	<input type="text" value="Snake"/>	Watershed Code	<input type="text" value="10160008"/>	<input type="button" value="Help"/>
Landuse Type	<input type="text" value="Cropland"/>	Landuse Acres	<input type="text" value="444,400"/>	Interest Rate <input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="100"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate <input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <input type="text" value="14%"/>	COMPARE	<input type="text" value="15%"/>	Calculated Participation Rate <input type="text" value="15%"/>
	<i>(Based on Watershed Profile)</i>			<i>(Based on Projected Future Conditions)</i>

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	35%	155,540	Baseline	85%	132,209	Baseline	30%	132,209	132,209	0
			Progressive	10%	15,554					
			RMS	5%	7,777					

Must Total 100% 100%

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	40%	177,760	Progressive	85%	151,096	Progressive	38%	166,650	151,096	15,554
			RMS	15%	26,664					

Must Total 100% 100%

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	25%	111,100	RMS	100%	111,100	RMS	33%	145,541	111,100	34,441

Grand Totals	100%	444,400					100%	444,400	394,405	49,995
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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
328	0.0%	x 75.0%	x 100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328	
329	0.0%	0.0%	x 20.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329	
342	0.0%	0.0%	x 0.3%	PERCENT of TU	Critical Area Planting (ac.) 342	
344	x 95.0%	x 100.0%	0.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344	
345	0.0%	x 2.0%	x 5.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 345	
393	0.0%	0.0%	x 0.2%	PERCENT of TU	Filter Strip (ac.) 393	
590	0.0%	5.0%	x 50.0%	PERCENT of TU	Nutrient Management (ac.) 590	
595	0.0%	0.0%	x 75.0%	PERCENT of TU	Pest Management (ac.) 595	
610	0.0%	0.0%	x 1.0%	PERCENT of TU	Salinity and Sodic Soil Management (ac.) 610	
645	0.0%	0.0%	x 45.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645	
644	0.0%	0.0%	5.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644	
412	0.0%	0.2%	0.5%	PERCENT of TU	Grassed Waterway (ac.) 412	
390	0.0%	0.0%	0.1%	PERCENT of TU	Riparian Herbaceous Cover (ac.) 390	
391	0.0%	0.0%	0.2%	PERCENT of TU	Riparian Forest Buffer (ac.) 391	
442	0.0%	0.0%	2.0%	PERCENT of TU	Irrigation System, Sprinkler (ac.) 442	
449	0.0%	0.0%	7.0%	PERCENT of TU	Irrigation Water Management (ac.) 449	
600	0	0	5	FEET per TU	Terrace (ft.) 600	
620	0	0	1	FEET per TU	Underground Outlet (ft.) 620	
585	0.0%	5.0%	10.0%	PERCENT of TU	Stripcropping (ac.) 585	
633	0.0%	0.0%	0.0%	PERCENT of TU	Waste Utilization (ac.) 633	
378	1	0	0	NUMBER per TU	Pond (no.) 378	
382	1,000	2,500	7,500	FEET per TU	Fence (ft.) 382	
512	0.0%	10.0%	0.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512	
516	0	5,000	10,000	FEET per TU	Pipeline (ft.) 516	
528	25.0%	50.0%	100.0%	PERCENT of TU	Prescribed Grazing (ac.) 528	
533	0	1	1	NUMBER per TU	Pumping Plant (no.) 533	
550	0.0%	0.0%	10.0%	PERCENT of TU	Range Planting (ac.) 550	
574	1	1	1	NUMBER per TU	Spring Development (no.) 574	
614	1	3	5	NUMBER per TU	Watering Facility (no.) 614	

WATERSHED NAME & CODE		SNAKE - 10160008			LANDUSE ACRES		444,400	
LANDUSE TYPE		CROPLAND			TYPICAL UNIT SIZE ACRES		100	
ASSESSMENT INFORMATION					CALCULATED PARTICIPATION		15%	
Conservation Systems by Treatment Level	Benchmark Conditions	Future Conditions			RESOURCE CONCERNS			
	Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Sheet and Rill	Soil Erosion – Wind	Soil Erosion – Ephemeral Gully	Water Quality – Excessive Nutrients and Organics in Surface Water
Baseline	System Rating ->				0	1	1	0
Residue Management, Seasonal (ac.) 344	147,763	125,599	0	125,599	0	2	2	1
Total Acreage at Baseline	155,540	132,209	0	132,209				
Progressive	System Rating ->				3	3	3	2
Conservation Crop Rotation (ac.) 328	133,320	113,322	11,666	124,988	3	3	3	2
Residue and Tillage Management, Mulch Till (ac.) 345	3,555	3,022	311	3,333	4	4	4	2
Residue Management, Seasonal (ac.) 344	177,760	165,872	778	166,650	0	2	2	1
Total Acreage at Progressive Level	177,760	151,096	15,554	166,650				
RMS	System Rating ->				5	5	5	5
Conservation Crop Rotation (ac.) 328	111,100	131,098	14,443	145,541	3	3	3	2
Critical Area Planting (ac.) 342	333	333	103	437	5	5	5	3
Filter Strip (ac.) 393	222	222	69	291	0	0	0	5
Nutrient Management (ac.) 590	55,550	55,550	17,221	72,771	0	0	0	5
Pest Management (ac.) 595	83,325	83,325	25,831	109,156	1	1	1	5
Residue and Tillage Management, Mulch Till (ac.) 345	5,555	6,088	1,189	7,277	4	4	4	2
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329	22,220	22,220	6,888	29,108	5	5	4	4
Salinity and Sodic Soil Management (ac.) 610	1,111	1,111	344	1,455	4	4	4	2
Upland Wildlife Habitat Management (ac.) 645	49,995	49,995	15,498	65,493	3	3	3	3
Total Acreage at RMS Level	111,100	111,100	34,441	145,541				

WATERSHED NAME & CODE		SNAKE - 10160008				LANDUSE ACRES			444,400
LANDUSE TYPE		CROPLAND				LOCAL UNIT SIZE ACRES			100
POSSIBLE SOURCES OF FUNDING						MATCHED PARTICIPATION			15%
Conservation Systems by Treatment Level	FUTURE	FARM BILL				OTHERS			NOTES/COMMENTS
	New Treatment Units	CTA	EQIP	WRP	WHIP	Fed	State	Local	
Progressive									
Conservation Crop Rotation (ac.) 328	11,666	X							
Residue and Tillage Management, Mulch Till (ac.) 345	311	X							
Residue Management, Seasonal (ac.) 344	778	X							
New Treatment Acreage	15,554								
RMS									
Conservation Crop Rotation (ac.) 328	14,443	X							
Critical Area Planting (ac.) 342	103	X	X		X				
Filter Strip (ac.) 393	69	X	X		X				
Nutrient Management (ac.) 590	17,221	X							
Pest Management (ac.) 595	25,831	X	X	X	X				
Residue and Tillage Management, Mulch Till (ac.) 345	1,189	X							
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329	6,888	X							
Salinity and Sodic Soil Management (ac.) 610	344	X	X						
Upland Wildlife Habitat Management (ac.) 645	15,498	X	X		X				

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Snake"/>	Watershed Code	<input type="text" value="10160008"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Rangeland and Pasture"/>	Landuse Acres	<input type="text" value="375,300"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="100"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	<input type="text" value="11%"/>	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	65%	243,945	Baseline	90%	219,551	Baseline	59%	219,551	219,551	0	
			Progressive	5%	12,197						
			RMS	5%	12,197						
			<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%	93,825	Progressive	90%	84,443	Progressive	26%	96,640	84,443	12,197	
			RMS	10%	9,383						
			<i>Must Total 100%</i>			<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition					
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres			
								Total	Static	Treated	
RMS	10%	37,530	RMS	100%	37,530	RMS	16%	59,110	37,530	21,580	
			<i>Must Total 100%</i>			<i>100%</i>					
Grand Totals						100%			375,300	341,523	33,777

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
378	x	1	x	1	x	1	NUMBER per TU	Pond (no.) 378	
382	x	200	x	600	x	1,200	FEET per TU	Fence (ft.) 382	
512		0.0%	x	1.3%	x	1.5%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512	
516		0	x	600	x	1,200	FEET per TU	Pipeline (ft.) 516	
528		0.0%		0.0%	x	15.0%	PERCENT of TU	Prescribed Grazing (ac.) 528	
533		0	x	0.01	x	0.02	NUMBER per TU	Pumping Plant (no.) 533	
550		0.0%		0.0%	x	0.4%	PERCENT of TU	Range Planting (ac.) 550	
590		100.0%		100.0%	x	100.0%	PERCENT of TU	Nutrient Management (ac.) 590	
595		0.0%		0.0%	x	25.0%	PERCENT of TU	Pest Management (ac.) 595	
614		0	x	0.5	x	0.75	NUMBER per TU	Watering Facility (no.) 614	
642		0	x	0	x	0	NUMBER per TU	Water Well (no.) 642	
578		0		1		2	FEET per TU	Stream Crossing 578	
314		0.0%		0.0%		5.0%	PERCENT of TU	Brush Management (ac.) 314	
574		0		0		0	NUMBER per TU	Spring Development (no.) 574	
511		0.0%		0.0%		0.1%	PERCENT of TU	Forage Harvest Management (ac.) 511	
548		0.0%		0.0%		10.0%	PERCENT of TU	Grazing Land Mechanical Treatment (ac.) 548	
410		0		0		1	NUMBER per TU	Grade Stabilization Structure (no.) 410	
561		0.0%		0.0%		5.0%	PERCENT of TU	Heavy Use Area Protection (ac.) 561	
575		5.0%		5.0%		5.0%	PERCENT of TU	Animal Trails and Walkways (ac.) 575	
328		100.0%		100.0%		100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328	
353		1		1		1	NUMBER per TU	Monitoring Well (no.) 353	
412		5.0%		5.0%		5.0%	PERCENT of TU	Grassed Waterway (ac.) 412	
442		100.0%		100.0%		100.0%	PERCENT of TU	Irrigation System, Sprinkler (ac.) 442	
560		500		500		500	FEET per TU	Access Road (ft.) 560	
702		1		1		1	NUMBER per TU	Agrichemical Handling Facility (no.) 702	
311		30.0%		30.0%		30.0%	PERCENT of TU	Alley Cropping (ac.) 311	
591		1		1		1	NUMBER per TU	Amendments for the Treatment of Agricultural Waste (no.) 591	
365		1		1		1	NUMBER per TU	Anaerobic Digester, Ambient Temperature (no.) 365	
366		1		1		1	NUMBER per TU	Anaerobic Digester, Controlled Temperature (no.) 366	
316		1		1		1	NUMBER per TU	Animal Mortality Facility (no.) 316	

WATERSHED NAME & CODE		SNAKE - 10160008			LANDUSE ACRES		375,300	
LANDUSE TYPE		RANGELAND AND PASTURE			TYPICAL UNIT SIZE ACRES		100	
ASSESSMENT INFORMATION					CALCULATED PARTICIPATION		10%	
Conservation Systems by Treatment Level	Benchmark Conditions	Future Conditions			RESOURCE CONCERNS			
	Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Sheet and Rill	Plant Condition – Noxious and Invasive Plants	Domestic Animals – Inadequate Quantities and Quality of Feed and Forage	Domestic Animals – Inadequate Stock Water
Baseline	System Rating ->				0	0	1	3
Fence (ft.) 382	487,890	439,101	0	439,101	0	0	3	0
Pond (no.) 378	2,074	1,866	0	1,866	0	-1	0	5
Total Acreage at Baseline	243,945	219,551	0	219,551				
Progressive	System Rating ->				2	1	4	5
Fence (ft.) 382	562,950	531,050	48,789	579,839	0	0	3	0
Pasture & Hayland Planting (ac.) 512	1,173	1,056	152	1,208	4	2	5	0
Pipeline (ft.) 516	562,950	506,655	73,184	579,839	0	0	0	5
Pond (no.) 378	816	838	2	841	0	-1	0	5
Pumping Plant (no.) 533	9	8	1	10	0	0	0	5
Water Well (no.) 642	9	8	1	10	0	0	2	5
Watering Facility (no.) 614	469	422	61	483	1	0	3	5
Total Acreage at Progressive Level	93,825	84,443	12,197	96,640				
RMS	System Rating ->				4	4	5	5
Fence (ft.) 382	450,360	531,050	178,268	709,317	0	0	3	0
Nutrient Management (ac.) 590	37,530	37,530	21,580	59,110	0	0	4	2
Pasture & Hayland Planting (ac.) 512	563	680	206	887	4	2	5	0
Pest Management (ac.) 595	9,383	9,383	5,395	14,777	1	5	4	0
Pipeline (ft.) 516	450,360	506,655	202,662	709,317	0	0	0	5
Pond (no.) 378	338	523	9	532	0	-1	0	5
Prescribed Grazing (ac.) 528	5,630	5,630	3,237	8,866	4	4	5	1
Pumping Plant (no.) 533	8	8	3	12	0	0	0	5
Range Planting (ac.) 550	150	150	86	236	4	4	5	0
Water Well (no.) 642	8	8	3	12	0	0	2	5
Watering Facility (no.) 614	281	328	115	443	1	0	3	5
Total Acreage at RMS Level	37,530	37,530	21,580	59,110				

WATERSHED NAME & CODE		SNAKE - 10160008						LANDUSE ACRES			375,300
LANDUSE TYPE		RANGELAND AND PASTURE						TYPICAL UNIT SIZE ACRES			100
POSSIBLE SOURCES OF FUNDING							CALCULATED PARTICIPATION			10%	
Conservation Systems by Treatment Level		FUTURE	FARM BILL					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/CREP	Fed	State	
Progressive											
Fence (ft.) 382	48,789	X	X	X	X	X	X				
Pasture & Hayland Planting (ac.) 512	152	X	X		X						
Pipeline (ft.) 516	73,184	X	X		X						
Pond (no.) 378	2	X	X		X						
Pumping Plant (no.) 533	1	X	X		X						
Water Well (no.) 642	1	X	X		X						
Watering Facility (no.) 614	61	X	X		X						
New Treatment Acreage	12,197										
RMS											
Fence (ft.) 382	178,268	X	X	X	X	X	X				
Nutrient Management (ac.) 590	21,580	X									
Pasture & Hayland Planting (ac.) 512	206	X	X		X						
Pest Management (ac.) 595	5,395	X	X	X	X						
Pipeline (ft.) 516	202,662	X	X		X						
Pond (no.) 378	9	X	X		X						
Prescribed Grazing (ac.) 528	3,237	X									
Pumping Plant (no.) 533	3	X	X		X						
Range Planting (ac.) 550	86	X	X	X	X						
Water Well (no.) 642	3	X	X		X						
Watering Facility (no.) 614	115	X	X		X						
New Treatment Acreage	21,580										

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Snake"/>	Watershed Code	<input type="text" value="10160008"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Hayland"/>	Landuse Acres	<input type="text" value="18,600"/>	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="4%"/>	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	20%	3,720	Baseline	95%	3,534	Baseline	19%	3,534	3,534	0
			Progressive	3%	112					
			RMS	2%	74					
			<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%	5,580	Progressive	95%	5,301	Progressive	29%	5,413	5,301	112
			RMS	5%	279					
			<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	50%	9,300	RMS	100%	9,300	RMS	52%	9,653	9,300	353
			<i>Must Total 100%</i>		<i>100%</i>					
Grand Totals	100%	18,600					100%	18,600	18,135	465

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
511	0.0%	0.0%	x 100.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	x 1.0%	x 10.0%	x 25.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
590	0.0%	0.0%	x 50.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	0.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595
430	0	15	40	FEET per TU	Irrigation Water Conveyance, Pipeline (ft.) 430
442	0.0%	0.0%	0.1%	PERCENT of TU	Irrigation System, Sprinkler (ac.) 442
449	0.0%	0.0%	10.0%	PERCENT of TU	Irrigation Water Management (ac.) 449
388	300	300	300	FEET per TU	Irrigation Field Ditch (ft.) 388
443	0.0%	0.0%	5.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443
606	0	0	0	FEET per TU	Subsurface Drain (ft.) 606
378	1	0	0	NUMBER per TU	Pond (no.) 378
382	1,000	2,500	7,500	FEET per TU	Fence (ft.) 382
516	0	5,000	10,000	FEET per TU	Pipeline (ft.) 516
528	25.0%	50.0%	100.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
533	0	1	1	NUMBER per TU	Pumping Plant (no.) 533
550	0.0%	0.0%	10.0%	PERCENT of TU	Range Planting (ac.) 550
574	1	1	1	NUMBER per TU	Spring Development (no.) 574
614	1	3	5	NUMBER per TU	Watering Facility (no.) 614
642	0	1	1	NUMBER per TU	Water Well (no.) 642
314	10.0%	20.0%	40.0%	PERCENT of TU	Brush Management (ac.) 314
410	0	0	1	NUMBER per TU	Grade Stabilization Structure (no.) 410
548	0.0%	0.0%	10.0%	PERCENT of TU	Grazing Land Mechanical Treatment (ac.) 548
561	0.0%	0.0%	5.0%	PERCENT of TU	Heavy Use Area Protection (ac.) 561
575	5.0%	5.0%	5.0%	PERCENT of TU	Animal Trails and Walkways (ac.) 575
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
353	1	1	1	NUMBER per TU	Monitoring Well (no.) 353
412	5.0%	5.0%	5.0%	PERCENT of TU	Grassed Waterway (ac.) 412
560	500	500	500	FEET per TU	Access Road (ft.) 560
702	1	1	1	NUMBER per TU	Agrichemical Handling Facility (no.) 702
311	30.0%	30.0%	30.0%	PERCENT of TU	Alley Cropping (ac.) 311



WATERSHED NAME & CODE		SNAKE - 10160008			LANDUSE ACRES		18,600	
LANDUSE TYPE		HAYLAND			TYPICAL UNIT SIZE ACRES		40	
ASSESSMENT INFORMATION					CALCULATED PARTICIPATION		5%	
Conservation Systems by Treatment Level	Benchmark 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 – Noxious and Invasive Plants	Plant Condition – Forage Quality and Palatability
Baseline	System Rating ->				2	3	1	3
Pasture & Hayland Planting (ac.) 512	37	35	0	35	4	5	2	5
Total Acreage at Baseline	3,720	3,534	0	1				
Progressive	System Rating ->				2	3	1	3
Pasture & Hayland Planting (ac.) 512	558	531	10	541	4	5	2	5
Total Acreage at Progressive Level	5,580	5,301	112	5,413				
RMS	System Rating ->				3	5	4	4
Forage Harvest Management (ac.) 511	9,300	9,300	353	9,653	3	4	3	4
Nutrient Management (ac.) 590	4,650	4,650	177	4,827	0	3	0	4
Pasture & Hayland Planting (ac.) 512	2,325	2,354	60	2,413	4	5	2	5
Pest Management (ac.) 595	9,300	9,300	353	9,653	1	5	5	4
Total Acreage at RMS Level	9,300	9,300	353	9,653				

WATERSHED NAME & CODE		SNAKE - 10160008				LANDUSE ACRES		18,600	
LANDUSE TYPE		HAYLAND				TYPICAL UNIT SIZE ACRES		40	
CONSERVATION COST TABLE						CALCULATED PARTICIPATION		5%	
		FUTURE	FEDERAL				PRIVATE		
Conservation Systems by Treatment Level		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									
Pasture & Hayland Planting (ac.) 512		10	\$301	\$0	\$60	\$362	\$301	\$6	\$327
Subtotal		112	\$301	\$0	\$60	\$362	\$301	\$6	\$327
RMS									
Forage Harvest Management (ac.) 511		353	\$0	\$0	\$353	\$353	\$0	\$1,767	\$2,720
Nutrient Management (ac.) 590		177	\$0	\$0	\$177	\$177	\$0	\$883	\$1,360
Pasture & Hayland Planting (ac.) 512		60	\$1,791	\$0	\$358	\$2,149	\$1,791	\$36	\$1,942
Pest Management (ac.) 595		353	\$0	\$0	\$353	\$353	\$0	\$1,767	\$2,720
Subtotal		353	\$1,791	\$0	\$1,242	\$3,033	\$1,791	\$4,453	\$8,742
Grand Total		465	\$2,092	\$0	\$1,302	\$3,394	\$2,092	\$4,459	\$9,069

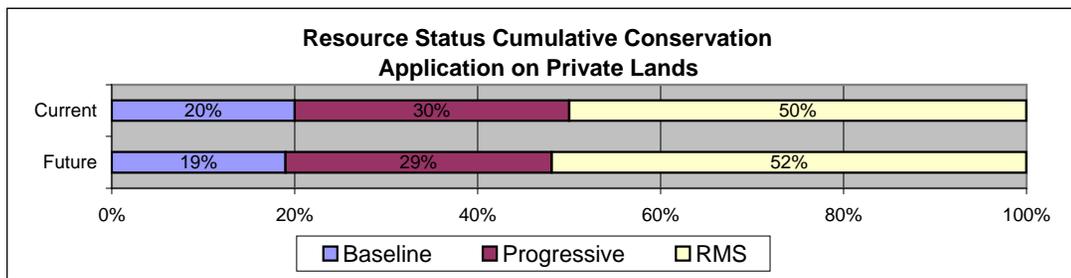


Chart Refers To	
Landuse Type	HAYLAND
Calculated Participation Rate	5%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$3.24	\$2.93
RMS	\$8.58	\$24.74

WATERSHED NAME & CODE		SNAKE - 10160008						LANDUSE ACRES			18,600
LANDUSE TYPE		HAYLAND						TYPICAL UNIT SIZE ACRES			40
POSSIBLE SOURCES OF FUNDING							CALCULATED PARTICIPATION			5%	
Conservation Systems by Treatment Level	FUTURE	FARM BILL						OTHERS			NOTES/COMMENTS
	New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/CREP	Fed	State	Local	
Progressive											
Pasture & Hayland Planting (ac.) 512	10	X	X		X						
New Treatment Acreage	112										
RMS											
Forage Harvest Management (ac.) 511	353	X									
Nutrient Management (ac.) 590	177	X									
Pasture & Hayland Planting (ac.) 512	60	X	X		X						
Pest Management (ac.) 595	353	X	X	X	X						
New Treatment Acreage	353										

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Snake"/>	Watershed Code	<input type="text" value="10160008"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Headquarters - Farmstead"/>	Landuse Acres	<input type="text" value="12,800"/>	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%"/>
Estimated Time Frame = 5 years	Participation Rate	<input type="text" value="14%"/>	COMPARE	<input type="text" value="15%"/>	Calculated Participation Rate
	<i>(Based on Watershed Profile)</i>			<i>(Based on Projected Future Conditions)</i>	
					<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	60%	7,680	Baseline	85%	6,528	Baseline	51%	6,528	6,528	0
			Progressive	10%	768					
			RMS	5%	384					
			<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%	3,840	Progressive	85%	3,264	Progressive	32%	4,032	3,264	768
			RMS	15%	576					
			<i>Must Total 100%</i>		<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	10%	1,280	RMS	100%	1,280	RMS	18%	2,240	1,280	960
Grand Totals	100%	12,800					100%	12,800	11,072	1,728

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
313	0	0	x 0	NUMBER per TU	Waste Storage Facility (no.) 313
316	0	0	x 0	NUMBER per TU	Animal Mortality Facility (no.) 316
342	0.0%	x 10.0%	x 25.0%	PERCENT of TU	Critical Area Planting (ac.) 342
350	0	0	x 0	NUMBER per TU	Sediment Basin (no.) 350
362	0	0	x 500	FEET per TU	Diversion (ft.) 362
380	x 500	x 600	x 750	FEET per TU	Windbreak/Shelterbreak Establishment (ft.) 380
484	x 1.0%	x 5.0%	x 10.0%	PERCENT of TU	Mulching (ac.) 484
561	0.0%	x 0.0%	x 0.1%	PERCENT of TU	Heavy Use Area Protection (ac.) 561
650	0	x 35	x 50	FEET per TU	Windbreak/Shelterbreak Renovation (ft.) 650
633	0.0%	50.0%	50.0%	PERCENT of TU	Waste Utilization (ac.) 633
317	0	0	0	NUMBER per TU	Composting Facility (no.) 317
590	0.0%	0.0%	15.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	20.0%	40.0%	50.0%	PERCENT of TU	Pest Management (ac.) 595
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	0.0%	15.0%	30.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
344	100.0%	40.0%	10.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
345	0.0%	5.0%	10.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 345
412		5.0%	5.0%	PERCENT of TU	Grassed Waterway (ac.) 412
585	0.0%	5.0%	10.0%	PERCENT of TU	Stripcropping (ac.) 585
378	1	0	0	NUMBER per TU	Pond (no.) 378
382	1,000	2,500	7,500	FEET per TU	Fence (ft.) 382
512	0.0%	10.0%	0.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
516	0	5,000	10,000	FEET per TU	Pipeline (ft.) 516
528	25.0%	50.0%	100.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
533	0	1	1	NUMBER per TU	Pumping Plant (no.) 533
550	0.0%	0.0%	10.0%	PERCENT of TU	Range Planting (ac.) 550
574	1	1	1	NUMBER per TU	Spring Development (no.) 574
614	1	3	5	NUMBER per TU	Watering Facility (no.) 614
642	0	1	1	NUMBER per TU	Water Well (no.) 642
314	10.0%	20.0%	40.0%	PERCENT of TU	Brush Management (ac.) 314



WATERSHED NAME & CODE		SNAKE - 10160008			LANDUSE ACRES	12,800		
LANDUSE TYPE		HEADQUARTERS - FARMSTEAD			TYPICAL UNIT SIZE ACRES	15		
ASSESSMENT INFORMATION					CALCULATED PARTICIPATION	15%		
Conservation Systems by Treatment Level	Benchmark Conditions	Future Conditions			RESOURCE CONCERNS			
	Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Water Quality – Excessive Nutrients and Organics in Groundwater	Water Quality – Excessive Nutrients and Organics in Surface Water	Water Quality – Excessive Suspended Sediment and Turbidity in Surface Water	Air Quality – Objectionable Odors
Baseline	System Rating ->				1	3	2	1
Critical Area Planting (ac.) 342	0	0	0	0	1	3	1	0
Mulching (ac.) 484	77	65	0	65	1	4	2	0
Windbreak/Shelterbreak Establishment (ft.) 380	256,000	217,600	0	217,600	2	1	2	2
Total Acreage at Baseline	7,680	6,528	0	6,528				
Progressive	System Rating ->				2	4	2	2
Critical Area Planting (ac.) 342	384	326	77	403	1	3	1	0
Heavy Use Area Protection (ac.) 561	0	0	0	0	1	5	2	1
Mulching (ac.) 484	192	171	31	202	1	4	2	0
Windbreak/Shelterbreak Establishment (ft.) 380	153,600	156,160	5,120	161,280	2	1	2	2
Windbreak/Shelterbreak Renovation (ft.) 650	8,960	7,616	1,792	9,408	2	2	1	2
Total Acreage at Progressive Level	3,840	3,264	768	4,032				
RMS	System Rating ->				4	5	3	1
Animal Mortality Facility (no.) 316	1	1	1	1	2	2	0	2
Critical Area Planting (ac.) 342	320	378	182	560	1	3	1	0
Diversion (ft.) 362	42,667	42,667	32,000	74,667	0	0	2	0
Heavy Use Area Protection (ac.) 561	1	1	1	2	1	5	2	1
Mulching (ac.) 484	128	161	63	224	1	4	2	0
Sediment Basin (no.) 350	9	9	6	15	4	4	0	0
Waste Storage Facility (no.) 313	17	17	13	30	3	4	0	-2
Windbreak/Shelterbreak Establishment (ft.) 380	64,000	99,840	12,160	112,000	2	1	2	2
Windbreak/Shelterbreak Renovation (ft.) 650	4,267	5,611	1,856	7,467	2	2	1	2
Total Acreage at RMS Level	1,280	1,280	960	2,240				

WATERSHED NAME & CODE		SNAKE - 10160008				LANDUSE ACRES			12,800
LANDUSE TYPE		HEADQUARTERS - FARMSTEAD				LOCAL UNIT SIZE ACRES			15
POSSIBLE SOURCES OF FUNDING		SNAKE - 10160008				MATCHED PARTICIPATION			15%
Conservation Systems by Treatment Level	FUTURE	FARM BILL				OTHERS			NOTES/COMMENTS
	New Treatment Units	CTA	EQIP	WRP	WHIP	Fed	State	Local	
Progressive									
Critical Area Planting (ac.) 342	77	X	X		X				
Heavy Use Area Protection (ac.) 561	0	X	X						
Mulching (ac.) 484	31	X	X		X				
Windbreak/Shelterbreak Establishment (ft.) 380	5,120	X	X		X				
Windbreak/Shelterbreak Renovation (ft.) 650	1,792	X	X		X				
New Treatment Acreage	768								
RMS									
Animal Mortality Facility (no.) 316	1	X	X						
Critical Area Planting (ac.) 342	182	X	X		X				
Diversion (ft.) 362	32,000	X	X						
Heavy Use Area Protection (ac.) 561	1	X	X						
Mulching (ac.) 484	63	X	X		X				
Sediment Basin (no.) 350	6	X	X						
Waste Storage Facility (no.) 313	13	X	X						
Windbreak/Shelterbreak Establishment (ft.) 380	12,160	X	X		X				
Windbreak/Shelterbreak Renovation (ft.) 650	1,856	X	X		X				
New Treatment Acreage	960								

Enter Watershed Variables Below

Watershed Name	<input type="text" value="Snake"/>	Watershed Code	<input type="text" value="10160008"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="CRP - Wildlife Land"/>	Landuse Acres	<input type="text" value="72,800"/>	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%"/>
Estimated Time Frame = 5 years	Participation Rate	<input type="text" value="5%"/>	← COMPARE →	<input type="text" value="5%"/>	Calculated Participation Rate
	<i>(Based on Watershed Profile)</i>			<i>(Based on Projected Future Conditions)</i>	
				<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%	58,240	Baseline	95%	55,328	Baseline	76%	55,328	55,328	0
			Progressive	3%	1,747					
			RMS	2%	1,165					
<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%	10,920	Progressive	95%	10,374	Progressive	17%	12,121	10,374	1,747
			RMS	5%	546					
<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%	3,640	RMS	100%	3,640	RMS	7%	5,351	3,640	1,711
Grand Totals	100%	72,800					100%	72,800	69,342	3,458

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
327	x 50.0%	x 75.0%	x 100.0%	PERCENT of TU	Conservation Cover (ac.) 327
380	x 50	x 80	x 160	FEET per TU	Windbreak/Shelterbreak Establishment (ft.) 380
390	0.0%	0.0%	x 4.0%	PERCENT of TU	Riparian Herbaceous Cover (ac.) 390
391	0.0%	0.0%	x 10.0%	PERCENT of TU	Riparian Forest Buffer (ac.) 391
422	0	0	x 12	FEET per TU	Hedgerow Planting (ft.) 422
472	0.0%	x 75.0%	x 90.0%	PERCENT of TU	Use Exclusion (ac.) 472
484	x 1.0%	x 2.5%	x 5.0%	PERCENT of TU	Mulching (ac.) 484
595	0.0%	0.0%	x 40.0%	PERCENT of TU	Pest Management (ac.) 595
644	0.0%	0.0%	x 5.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644
645	0.0%	x 25.0%	x 75.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
657	0.0%	0.0%	x 14.0%	PERCENT of TU	Wetland Restoration (ac.) 657
643	0.0%	0.0%	4.0%	PERCENT of TU	Restoration and Management of Declining Habitats (ac.) 643
658	0.0%	0.0%	0.0%	PERCENT of TU	Wetland Creation (ac.) 658
659	0.0%	10.0%	0.1%	PERCENT of TU	Wetland Enhancement (ac.) 659
614	0	0	0	NUMBER per TU	Watering Facility (no.) 614
511	0.0%	30.0%	100.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	100.0%	100.0%	100.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
590	0.0%	0.0%	1.0%	PERCENT of TU	Nutrient Management (ac.) 590
430	0	15	40	FEET per TU	Irrigation Water Conveyance, Pipeline (ft.) 430
442	0.0%	0.0%	0.1%	PERCENT of TU	Irrigation System, Sprinkler (ac.) 442
449	0.0%	0.0%	10.0%	PERCENT of TU	Irrigation Water Management (ac.) 449
388	300	300	300	FEET per TU	Irrigation Field Ditch (ft.) 388
443	0.0%	0.0%	5.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443
606	0	0	0	FEET per TU	Subsurface Drain (ft.) 606
378	1	0	0	NUMBER per TU	Pond (no.) 378
382	1,000	2,500	7,500	FEET per TU	Fence (ft.) 382
516	0	5,000	10,000	FEET per TU	Pipeline (ft.) 516
528	25.0%	50.0%	100.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
533	0	1	1	NUMBER per TU	Pumping Plant (no.) 533
550	0.0%	0.0%	10.0%	PERCENT of TU	Range Planting (ac.) 550



WATERSHED NAME & CODE		SNAKE - 10160008			LANDUSE ACRES		72,800	
LANDUSE TYPE		CRP - WILDLIFE LAND			TYPICAL UNIT SIZE ACRES		20	
ASSESSMENT INFORMATION					CALCULATED PARTICIPATION		5%	
Conservation Systems by Treatment Level	Benchmark Conditions	Future Conditions			RESOURCE CONCERNS			
	Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Plant Condition – Noxious and Invasive Plants	Fish and Wildlife – Inadequate Cover/Shelter	Fish and Wildlife – Habitat Fragmentation	Fish and Wildlife – T & E Fish/Wildlife Species: Listed or Proposed under ESA
Baseline				System Rating ->	4	4	3	0
Conservation Cover (ac.) 327	29,120	27,664	0	27,664	5	5	5	0
Mulching (ac.) 484	582	553	0	553	3	0	0	0
Windbreak/Shelterbreak Establishment (ft.) 380	145,600	138,320	0	138,320	0	3	0	0
Total Acreage at Baseline	58,240	55,328	0	1				
Progressive				System Rating ->	4	5	4	3
Conservation Cover (ac.) 327	8,190	8,654	437	9,091	5	5	5	0
Mulching (ac.) 484	273	277	26	303	3	0	0	0
Upland Wildlife Habitat Management (ac.) 645	2,730	2,594	437	3,030	0	5	5	5
Use Exclusion (ac.) 472	8,190	7,781	1,310	9,091	4	3	3	0
Windbreak/Shelterbreak Establishment (ft.) 380	43,680	45,864	2,621	48,485	0	3	0	0
Total Acreage at Progressive Level	10,920	10,374	1,747	12,121				
RMS				System Rating ->	4	5	5	5
Conservation Cover (ac.) 327	3,640	4,632	719	5,351	5	5	5	0
Hedgerow Planting (ft.) 422	2,184	2,184	1,026	3,210	-1	3	0	0
Mulching (ac.) 484	182	207	60	268	3	0	0	0
Pest Management (ac.) 595	1,456	1,456	684	2,140	5	0	0	0
Riparian Forest Buffer (ac.) 391	364	364	171	535	4	3	3	2
Riparian Herbaceous Cover (ac.) 390	146	146	68	214	0	0	3	2
Upland Wildlife Habitat Management (ac.) 645	2,730	2,867	1,147	4,013	0	5	5	5
Use Exclusion (ac.) 472	3,276	3,686	1,130	4,816	4	3	3	0
Wetland Restoration (ac.) 657	510	510	240	749	-1	4	4	4
Wetland Wildlife Habitat Management (ac.) 644	182	182	86	268	1	5	5	5
Windbreak/Shelterbreak Establishment (ft.) 380	29,120	34,216	8,590	42,806	0	3	0	0
Total Acreage at RMS Level	3,640	3,640	1,711	5,351				

