

**Enter Watershed Variables Below**

Watershed Name	<input type="text" value="Bear - Wayaconda Rivers"/>	Watershed Code	<input type="text" value="07110001"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Cultivated Crop"/>	Landuse Acres	<input type="text" value="528,300"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="250"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	<b>COMPARE</b>	<input type="text" value="8%"/>	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%	343,395	Baseline	90%	309,056	Baseline	59%	309,056	309,056	0
			Progressive	6%	20,604					
			RMS	4%	13,736					
			<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%	158,490	Progressive	95%	150,566	Progressive	32%	171,169	150,566	20,604
			RMS	5%	7,925					
			<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%	26,415	RMS	100%	26,415	RMS	9%	48,075	26,415	21,660
<b>Grand Totals</b>	<b>100%</b>	<b>528,300</b>					<b>100%</b>	<b>528,300</b>	<b>486,036</b>	<b>42,264</b>



# DOCUMENTATION SECTION

## PRACTICE FACTOR SHEET

Only shaded practices are in this analysis.

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

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

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Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
327	0.0%	0.0%	x 5.0%	PERCENT of TU	Conservation Cover (ac.) 327
328	x 95.0%	x 95.0%	x 95.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
330	0.0%	x 70.0%	x 70.0%	PERCENT of TU	Contour Farming (ac.) 330
340	0.0%	x 70.0%	x 100.0%	PERCENT of TU	Cover Crop (ac.) 340
344	x 50.0%	x 75.0%	x 100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
345	x 60.0%	x 80.0%	x 100.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 345
386	0	0	x 2,700	FEET per TU	Field Border (ft.) 386
391	0.0%	0.0%	x 2.0%	PERCENT of TU	Riparian Forest Buffer (ac.) 391
393	0.0%	0.0%	x 1.0%	PERCENT of TU	Filter Strip (ac.) 393
410	0	0	x 3	NUMBER per TU	Grade Stabilization Structure (no.) 410
412	x 2.0%	x 2.0%	x 2.0%	PERCENT of TU	Grassed Waterway (ac.) 412
590	0.0%	x 70.0%	x 95.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	0.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595
600	0	x 20,000	x 35,000	FEET per TU	Terrace (ft.) 600
620	0	x 20,000	x 35,000	FEET per TU	Underground Outlet (ft.) 620
638	x 10	x 20	x 30	NUMBER per TU	Water & Sediment Control Basin (no.) 638
702	0	0	x 1	NUMBER per TU	Agrichemical Handling Facility (no.) 702
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464

Help

WATERSHED NAME & CODE		BEAR - WAYACONDA RIVERS - 07110001			LANDUSE ACRES		528,300		
LANDUSE TYPE		CULTIVATED CROP			TYPICAL UNIT SIZE ACRES		250		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		8%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Sheet and Rill	Soil Erosion – Ephemeral Gully	Water Quantity – Excessive Runoff, Flooding, or Ponding	Fish and Wildlife – Inadequate Cover/Shelter
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>2</b>	<b>4</b>	<b>2</b>	<b>1</b>	
<b>Total Acreage at Baseline Level</b>		<b>343,395</b>	<b>309,056</b>	<b>0</b>	<b>309,056</b>				
Conservation Crop Rotation (ac.) 328		326,225	293,603	0	293,603	4	2	2	
Grassed Waterway (ac.) 412		6,868	6,181	0	6,181	0	5	3	
Residue and Tillage Management, Mulch Till (ac.) 345		206,037	185,433	0	185,433	0	0	0	
Residue Management, Seasonal (ac.) 344		171,698	154,528	0	154,528	2	1	2	
Water and Sediment Control Basin (no.) 638		13,736	12,362	0	12,362	0	2	-1	
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>5</b>	<b>4</b>	<b>2</b>	
<b>Total Acreage at Progressive Level</b>		<b>158,490</b>	<b>150,566</b>	<b>20,604</b>	<b>171,169</b>				
Conservation Crop Rotation (ac.) 328		150,566	162,611	0	162,611	4	2	2	
Contour Farming (ac.) 330		110,943	105,396	14,423	119,818	3	2	0	
Cover Crop (ac.) 340		110,943	105,396	14,423	119,818	4	4	2	
Grassed Waterway (ac.) 412		3,170	3,423	0	3,423	0	5	3	
Nutrient Management (ac.) 590		110,943	105,396	14,423	119,818	0	0	1	
Residue and Tillage Management, Mulch Till (ac.) 345		126,792	132,815	4,121	136,935	0	0	0	
Residue Management, Seasonal (ac.) 344		118,868	123,226	5,151	128,377	2	1	2	
Terrace (ft.) 600		12,679,200	12,045,240	1,648,296	13,693,536	5	4	0	
Underground Outlet (ft.) 620		12,679,200	12,045,240	1,648,296	13,693,536	0	5	0	
Water and Sediment Control Basin (no.) 638		12,679	12,869	824	13,694	0	2	-1	
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>5</b>	<b>5</b>	<b>5</b>	<b>4</b>	
<b>Total Acreage at RMS Level</b>		<b>26,415</b>	<b>26,415</b>	<b>21,660</b>	<b>48,075</b>				
Agrichemical Mixing Facility (no.) 702		106	106	87	192	0	0	0	
Conservation Cover (ac.) 327		1,321	1,321	1,083	2,404	5	2	2	
Conservation Crop Rotation (ac.) 328		25,094	45,672	0	45,672	4	2	2	
Contour Farming (ac.) 330		18,491	24,038	9,615	33,653	3	2	0	
Cover Crop (ac.) 340		26,415	31,962	16,113	48,075	4	4	2	
Field Border (ft.) 386		285,282	285,282	233,931	519,213	4	3	2	
Filter Strip (ac.) 393		264	264	217	481	3	0	3	
Grade Stabilization Structure (no.) 410		317	317	260	577	0	0	2	
Grassed Waterway (ac.) 412		528	962	0	962	0	5	3	
Nutrient Management (ac.) 590		25,094	30,641	15,030	45,672	0	0	1	
Pest Management (ac.) 595		26,415	26,415	21,660	48,075	0	0	3	
Residue and Tillage Management, Mulch Till (ac.) 345		26,415	40,996	7,079	48,075	0	0	0	
Residue Management, Seasonal (ac.) 344		26,415	39,226	8,849	48,075	2	1	2	
Riparian Forest Buffer (ac.) 391		528	528	433	962	2	1	4	
Terrace (ft.) 600		3,698,100	4,332,060	2,398,482	6,730,542	5	4	0	
Underground Outlet (ft.) 620		3,698,100	4,332,060	2,398,482	6,730,542	0	5	0	
Water and Sediment Control Basin (no.) 638		3,170	4,353	1,416	5,769	0	2	-1	

WATERSHED NAME & CODE		BEAR - WAYACONDA RIVERS - 07110001				LANDUSE ACRES		528,300	
LANDUSE TYPE		CULTIVATED CROP				TYPICAL UNIT SIZE ACRES		250	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		8%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
<b>Progressive System Acres Treated</b>		<b>20,604</b>							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		14,423	\$0	\$216,339	\$43,268	\$236,027	\$0	\$72,113	\$111,007
Cover Crop (ac.) 340		14,423	\$0	\$2,066,036	\$413,207	\$2,254,054	\$0	\$688,679	\$1,060,119
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		14,423	\$0	\$548,203	\$109,641	\$598,091	\$0	\$182,734	\$281,292
Residue and Tillage Management, Mulch Till (ac.) 345		4,121	\$0	\$123,622	\$24,724	\$134,872	\$0	\$41,207	\$63,433
Residue Management, Seasonal (ac.) 344		5,151	\$0	\$77,264	\$15,453	\$84,295	\$0	\$25,755	\$39,645
Terrace (ft.) 600		1,648,296	\$1,689,503	\$0	\$337,901	\$2,027,404	\$1,689,503	\$67,580	\$1,974,176
Underground Outlet (ft.) 620		1,648,296	\$354,384	\$0	\$70,877	\$425,260	\$354,384	\$21,263	\$443,951
Water and Sediment Control Basin (no.) 638		824	\$824,148	\$0	\$164,830	\$988,978	\$824,148	\$82,415	\$1,171,309
<b>Subtotal</b>			<b>\$2,868,035</b>	<b>\$3,031,464</b>	<b>\$1,179,900</b>	<b>\$6,748,981</b>	<b>\$2,868,035</b>	<b>\$1,181,746</b>	<b>\$5,144,932</b>
<b>Resource Management System (RMS) Acres Treated</b>		<b>21,660</b>							
Agrichemical Mixing Facility (no.) 702		87	\$368,225	\$0	\$73,645	\$441,870	\$368,225	\$7,365	\$399,247
Conservation Cover (ac.) 327		1,083	\$68,528	\$0	\$13,706	\$82,233	\$68,528	\$1,371	\$74,301
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		9,615	\$0	\$144,226	\$28,845	\$157,351	\$0	\$48,075	\$74,005
Cover Crop (ac.) 340		16,113	\$0	\$2,308,209	\$461,642	\$2,518,265	\$0	\$769,403	\$1,184,382
Field Border (ft.) 386		233,931	\$5,848	\$0	\$1,170	\$7,018	\$5,848	\$234	\$6,834
Filter Strip (ac.) 393		217	\$7,581	\$0	\$1,516	\$9,097	\$7,581	\$455	\$9,497
Grade Stabilization Structure (no.) 410		260	\$1,322,992	\$0	\$264,598	\$1,587,590	\$1,322,992	\$79,379	\$1,657,367
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		15,030	\$0	\$571,295	\$114,259	\$623,286	\$0	\$190,432	\$293,142
Pest Management (ac.) 595		21,660	\$0	\$1,386,692	\$277,338	\$1,512,887	\$0	\$462,231	\$711,536
Residue and Tillage Management, Mulch Till (ac.) 345		7,079	\$0	\$212,377	\$42,475	\$231,704	\$0	\$70,792	\$108,974
Residue Management, Seasonal (ac.) 344		8,849	\$0	\$132,735	\$26,547	\$144,815	\$0	\$44,245	\$68,109
Riparian Forest Buffer (ac.) 391		433	\$70,613	\$0	\$14,123	\$84,735	\$70,613	\$1,412	\$76,561
Terrace (ft.) 600		2,398,482	\$2,458,444	\$0	\$491,689	\$2,950,133	\$2,458,444	\$98,338	\$2,872,678
Underground Outlet (ft.) 620		2,398,482	\$515,674	\$0	\$103,135	\$618,808	\$515,674	\$30,940	\$646,006
Water and Sediment Control Basin (no.) 638		1,416	\$1,415,844	\$0	\$283,169	\$1,699,013	\$1,415,844	\$141,584	\$2,012,249
<b>Subtotal</b>			<b>\$6,233,748</b>	<b>\$4,755,534</b>	<b>\$2,197,857</b>	<b>\$12,668,805</b>	<b>\$6,233,748</b>	<b>\$1,946,256</b>	<b>\$10,194,888</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>86.6412</b>	<b>\$9,101,783</b>	<b>\$7,786,998</b>	<b>\$3,377,756</b>	<b>\$19,417,786</b>	<b>\$9,101,783</b>	<b>\$3,128,002</b>	<b>\$15,339,820</b>

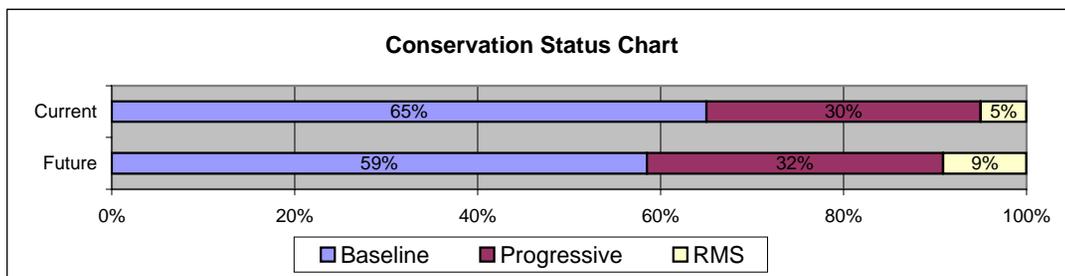


Chart Refers To	
Landuse Type	CULTIVATED CROP
Estimated Participation Rate	8%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$328	\$250
RMS	\$585	\$471

Estimated FTE per Year	6.8
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WATERSHED NAME & CODE		BEAR - WAYACONDA RIVERS - 07110001						LANDUSE ACRES			528,300
LANDUSE TYPE		CULTIVATED CROP						TYPICAL UNIT SIZE ACRES			250
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			8%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
<b>Progressive System Acres Treated</b>		<b>20,604</b>									
Conservation Crop Rotation (ac.) 328		0	X	X							
Contour Farming (ac.) 330		14,423	X								
Cover Crop (ac.) 340		14,423	X	X							
Grassed Waterway (ac.) 412		0	X	X			X				
Nutrient Management (ac.) 590		14,423	X	X							
Residue and Tillage Management, Mulch Till (ac.) 345		4,121	X								
Residue Management, Seasonal (ac.) 344		5,151	X								
Terrace (ft.) 600		1,648,296	X	X			X				
Underground Outlet (ft.) 620		1,648,296	X	X							
Water and Sediment Control Basin (no.) 638		824	X	X							
<b>Resource Management System (RMS) Acres Treated</b>		<b>21,660</b>									
Agrichemical Mixing Facility (no.) 702		87	X	X							
Conservation Cover (ac.) 327		1,083	X	X			X				
Conservation Crop Rotation (ac.) 328		0	X	X							
Contour Farming (ac.) 330		9,615	X								
Cover Crop (ac.) 340		16,113	X	X							
Field Border (ft.) 386		233,931	X	X			X				
Filter Strip (ac.) 393		217	X				X				
Grade Stabilization Structure (no.) 410		260	X	X							
Grassed Waterway (ac.) 412		0	X	X			X				
Nutrient Management (ac.) 590		15,030	X	X							
Pest Management (ac.) 595		21,660	X	X							
Residue and Tillage Management, Mulch Till (ac.) 345		7,079	X								
Residue Management, Seasonal (ac.) 344		8,849	X								
Riparian Forest Buffer (ac.) 391		433	X	X							
Terrace (ft.) 600		2,398,482	X	X			X				
Underground Outlet (ft.) 620		2,398,482	X	X							
Water and Sediment Control Basin (no.) 638		1,416	X	X							

WATERSHED NAME & CODE		BEAR - WAYACONDA RIVERS - 07110001				LANDUSE ACRES		528,300	
LANDUSE TYPE		CULTIVATED CROP				TYPICAL UNIT SIZE ACRES		250	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		8%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Sheet and Rill	Soil Erosion – Ephemeral Gully	Water Quantity – Excessive Runoff, Flooding, or Ponding	Fish and Wildlife – Inadequate Cover/Shelter
<b>Baseline System</b>		System Rating ->				2	4	2	1
<b>Total Acreage at Baseline Level</b>		<b>343,395</b>	<b>309,056</b>	<b>0</b>	<b>309,056</b>				
Conservation Crop Rotation (ac.) 328		326,225	293,603	0	293,603	4	2	2	2
Grassed Waterway (ac.) 412		6,868	6,181	0	6,181	0	5	3	1
Residue and Tillage Management, Mulch Till (ac.) 345		206,037	185,433	0	185,433	0	0	0	0
Residue Management, Seasonal (ac.) 344		171,698	154,528	0	154,528	2	1	1	2
Water and Sediment Control Basin (no.) 638		13,736	12,362	0	12,362	0	2	2	-1
<b>Progressive System</b>		System Rating ->				4	5	4	2
<b>Total Acreage at Progressive Level</b>		<b>158,490</b>	<b>150,566</b>	<b>20,604</b>	<b>171,169</b>				
Conservation Crop Rotation (ac.) 328		150,566	162,611	0	162,611	4	2	2	2
Contour Farming (ac.) 330		110,943	105,396	14,423	119,818	3	2	1	0
Cover Crop (ac.) 340		110,943	105,396	14,423	119,818	4	4	2	2
Grassed Waterway (ac.) 412		3,170	3,423	0	3,423	0	5	3	1
Nutrient Management (ac.) 590		110,943	105,396	14,423	119,818	0	0	0	1
Residue and Tillage Management, Mulch Till (ac.) 345		126,792	132,815	4,121	136,935	0	0	0	0
Residue Management, Seasonal (ac.) 344		118,868	123,226	5,151	128,377	2	1	1	2
Terrace (ft.) 600		12,679,200	12,045,240	1,648,296	13,693,536	5	4	4	0
Underground Outlet (ft.) 620		12,679,200	12,045,240	1,648,296	13,693,536	0	5	4	0
Water and Sediment Control Basin (no.) 638		12,679	12,869	824	13,694	0	2	2	-1
<b>Resource Management System (RMS)</b>		System Rating ->				5	5	5	4
<b>Total Acreage at RMS Level</b>		<b>26,415</b>	<b>26,415</b>	<b>21,660</b>	<b>48,075</b>				
Agrichemical Mixing Facility (no.) 702		106	106	87	192	0	0	0	0
Conservation Cover (ac.) 327		1,321	1,321	1,083	2,404	5	2	2	2
Conservation Crop Rotation (ac.) 328		25,094	45,672	0	45,672	4	2	2	2
Contour Farming (ac.) 330		18,491	24,038	9,615	33,653	3	2	1	0
Cover Crop (ac.) 340		26,415	31,962	16,113	48,075	4	4	2	2
Field Border (ft.) 386		285,282	285,282	233,931	519,213	4	3	2	2
Filter Strip (ac.) 393		264	264	217	481	3	0	0	3
Grade Stabilization Structure (no.) 410		317	317	260	577	0	0	0	2
Grassed Waterway (ac.) 412		528	962	0	962	0	5	3	1
Nutrient Management (ac.) 590		25,094	30,641	15,030	45,672	0	0	0	1
Pest Management (ac.) 595		26,415	26,415	21,660	48,075	0	0	0	3
Residue and Tillage Management, Mulch Till (ac.) 345		26,415	40,996	7,079	48,075	0	0	0	0
Residue Management, Seasonal (ac.) 344		26,415	39,226	8,849	48,075	2	1	1	2
Riparian Forest Buffer (ac.) 391		528	528	433	962	2	1	3	4
Terrace (ft.) 600		3,698,100	4,332,060	2,398,482	6,730,542	5	4	4	0
Underground Outlet (ft.) 620		3,698,100	4,332,060	2,398,482	6,730,542	0	5	4	0
Water and Sediment Control Basin (no.) 638		3,170	4,353	1,416	5,769	0	2	2	-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
<b>Progressive System Acres Treated</b>		<b>20603.7</b>							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		14,423	\$0	\$216,339	\$43,268	\$236,027	\$0	\$72,113	\$111,007
Cover Crop (ac.) 340		14,423	\$0	\$2,066,036	\$413,207	\$2,254,054	\$0	\$688,679	\$1,060,119
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		14,423	\$0	\$548,203	\$109,641	\$598,091	\$0	\$182,734	\$281,292
Residue and Tillage Management, Mulch Till (ac.) 345		4,121	\$0	\$123,622	\$24,724	\$134,872	\$0	\$41,207	\$63,433
Residue Management, Seasonal (ac.) 344		5,151	\$0	\$77,264	\$15,453	\$84,295	\$0	\$25,755	\$39,645
Terrace (ft.) 600		1,648,296	\$1,689,503	\$0	\$337,901	\$2,027,404	\$1,689,503	\$67,580	\$1,974,176
Underground Outlet (ft.) 620		1,648,296	\$354,384	\$0	\$70,877	\$425,260	\$354,384	\$21,263	\$443,951
Water and Sediment Control Basin (no.) 638		824	\$824,148	\$0	\$164,830	\$988,978	\$824,148	\$82,415	\$1,171,309
<b>Subtotal</b>			<b>\$2,868,035</b>	<b>\$3,031,464</b>	<b>\$1,179,900</b>	<b>\$6,748,981</b>	<b>\$2,868,035</b>	<b>\$1,181,746</b>	<b>\$5,144,932</b>
<b>Resource Management System (RMS) Acres Treated</b>		<b>21660.3</b>							
Agrichemical Mixing Facility (no.) 702		87	\$368,225	\$0	\$73,645	\$441,870	\$368,225	\$7,365	\$399,247
Conservation Cover (ac.) 327		1,083	\$68,528	\$0	\$13,706	\$82,233	\$68,528	\$1,371	\$74,301
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		9,615	\$0	\$144,226	\$28,845	\$157,351	\$0	\$48,075	\$74,005
Cover Crop (ac.) 340		16,113	\$0	\$2,308,209	\$461,642	\$2,518,265	\$0	\$769,403	\$1,184,382
Field Border (ft.) 386		233,931	\$5,848	\$0	\$1,170	\$7,018	\$5,848	\$234	\$6,834
Filter Strip (ac.) 393		217	\$7,581	\$0	\$1,516	\$9,097	\$7,581	\$455	\$9,497
Grade Stabilization Structure (no.) 410		260	\$1,322,992	\$0	\$264,598	\$1,587,590	\$1,322,992	\$79,379	\$1,657,367
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		15,030	\$0	\$571,295	\$114,259	\$623,286	\$0	\$190,432	\$293,142
Pest Management (ac.) 595		21,660	\$0	\$1,386,692	\$277,338	\$1,512,887	\$0	\$462,231	\$711,536
Residue and Tillage Management, Mulch Till (ac.) 345		7,079	\$0	\$212,377	\$42,475	\$231,704	\$0	\$70,792	\$108,974
Residue Management, Seasonal (ac.) 344		8,849	\$0	\$132,735	\$26,547	\$144,815	\$0	\$44,245	\$68,109
Riparian Forest Buffer (ac.) 391		433	\$70,613	\$0	\$14,123	\$84,735	\$70,613	\$1,412	\$76,561
Terrace (ft.) 600		2,398,482	\$2,458,444	\$0	\$491,689	\$2,950,133	\$2,458,444	\$98,338	\$2,872,678
Underground Outlet (ft.) 620		2,398,482	\$515,674	\$0	\$103,135	\$618,808	\$515,674	\$30,940	\$646,006
Water and Sediment Control Basin (no.) 638		1,416	\$1,415,844	\$0	\$283,169	\$1,699,013	\$1,415,844	\$141,584	\$2,012,249
<b>Subtotal</b>			<b>\$6,233,748</b>	<b>\$4,755,534</b>	<b>\$2,197,857</b>	<b>\$12,668,805</b>	<b>\$6,233,748</b>	<b>\$1,946,256</b>	<b>\$10,194,888</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>42264</b>	<b>\$9,101,783</b>	<b>\$7,786,998</b>	<b>\$3,377,756</b>	<b>\$19,417,786</b>	<b>\$9,101,783</b>	<b>\$3,128,002</b>	<b>\$15,339,820</b>

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

**Enter Watershed Variables Below**

Watershed Name	<input type="text" value="Bear-Wyaconda River"/>	Watershed Code	<input type="text" value="07110001"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Non-Cultivated Cropland"/>	Landuse Acres	<input type="text" value="56,500"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="80"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	<b>COMPARE</b>	<input type="text" value="6%"/>	Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>	<input type="button" value="Next"/>

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	95%	53,675	Baseline	94%	50,455	Baseline	89%	50,455	50,455	0
			Progressive	3%	1,610					
			RMS	3%	1,610					
<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	3%	1,695	Progressive	95%	1,610	Progressive	6%	3,221	1,610	1,610
			RMS	5%	85					
<i>Must Total 100%</i>			<i>100%</i>							
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	2%	1,130	RMS	100%	1,130	RMS	5%	2,825	1,130	1,695
<b>Grand Totals</b>	<b>100%</b>	<b>56,500</b>					<b>100%</b>	<b>56,500</b>	<b>53,195</b>	<b>3,305</b>



# DOCUMENTATION SECTION

## PRACTICE FACTOR SHEET

Only shaded practices are in this analysis.

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

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

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Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
314	0.0%	x 50.0%	x 100.0%	PERCENT of TU	Brush Management (ac.) 314
327	x 2.0%	x 4.0%	x 6.0%	PERCENT of TU	Conservation Cover (ac.) 327
342	0.0%	0.0%	x 4.0%	PERCENT of TU	Critical Area Planting (ac.) 342
378	x 1	x 2	x 2	NUMBER per TU	Pond (no.) 378
382	x 300	x 800	x 1,320	FEET per TU	Fence (ft.) 382
410	0	x 1	x 1	NUMBER per TU	Grade Stabilization Structure (no.) 410
511	x 25.0%	x 50.0%	x 100.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	x 25.0%	x 50.0%	x 100.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
528	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
590	0.0%	x 50.0%	x 100.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	x 50.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595
614	1	1	x 1	NUMBER per TU	Watering Facility (no.) 614
645	0.0%	0.0%	x 50.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
367	0	0	1	NUMBER per TU	Waste Facility Cover (no.) 367
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464
533	1	1	1	NUMBER per TU	Pumping Plant (no.) 533

Help

WATERSHED NAME & CODE		BEAR-WYACONDA RIVER - 07110001			LANDUSE ACRES		56,500		
LANDUSE TYPE		NON-CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		80		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		6%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS		RESOURCE CONCERNS				
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Water Quantity – Excessive Runoff, Flooding, or Ponding	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>2</b>	<b>2</b>	<b>4</b>	<b>4</b>	
<b>Total Acreage at Baseline Level</b>		<b>53,675</b>	<b>50,455</b>	<b>0</b>	<b>50,455</b>				
Conservation Cover (ac.) 327		1,074	1,009	0	1,009	1	2	4	0
Fence (ft.) 382		201,281	189,204	0	189,204	0	0	0	0
Forage Harvest Management (ac.) 511		13,419	12,614	0	12,614	0	2	4	4
Pasture and Hay Planting (ac.) 512		13,419	12,614	0	12,614	1	2	5	5
Pond (no.) 378		671	631	0	631	4	2	2	0
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>3</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at Progressive Level</b>		<b>1,695</b>	<b>1,610</b>	<b>1,610</b>	<b>3,221</b>				
Brush Management (ac.) 314		848	805	805	1,610	3	2	3	4
Conservation Cover (ac.) 327		68	97	32	129	1	2	4	0
Fence (ft.) 382		16,950	22,141	10,064	32,205	0	0	0	0
Forage Harvest Management (ac.) 511		848	1,208	403	1,610	0	2	4	4
Grade Stabilization Structure (no.) 410		21	20	20	40	5	0	0	0
Nutrient Management (ac.) 590		848	805	805	1,610	0	0	3	4
Pasture and Hay Planting (ac.) 512		848	1,208	403	1,610	1	2	5	5
Pest Management (ac.) 595		848	805	805	1,610	0	0	5	4
Pond (no.) 378		42	60	20	81	4	2	2	0
Prescribed Grazing (ac.) 528		1,695	1,610	1,610	3,221	2	2	5	4
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>5</b>	<b>3</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at RMS Level</b>		<b>1,130</b>	<b>1,130</b>	<b>1,695</b>	<b>2,825</b>				
Brush Management (ac.) 314		1,130	1,172	1,653	2,825	3	2	3	4
Conservation Cover (ac.) 327		68	103	66	170	1	2	4	0
Critical Area Planting (ac.) 342		45	45	68	113	4	0	5	0
Fence (ft.) 382		18,645	25,531	21,082	46,613	0	0	0	0
Forage Harvest Management (ac.) 511		1,130	1,575	1,250	2,825	0	2	4	4
Grade Stabilization Structure (no.) 410		14	15	20	35	5	0	0	0
Nutrient Management (ac.) 590		1,130	1,172	1,653	2,825	0	0	3	4
Pasture and Hay Planting (ac.) 512		1,130	1,575	1,250	2,825	1	2	5	5
Pest Management (ac.) 595		1,130	1,172	1,653	2,825	0	0	5	4
Pond (no.) 378		28	50	20	71	4	2	2	0
Prescribed Grazing (ac.) 528		1,130	1,215	1,610	2,825	2	2	5	4
Upland Wildlife Habitat Management (ac.) 645		565	565	848	1,413	2	1	4	4
Watering Facility (no.) 614		14	14	21	35	1	0	2	0

WATERSHED NAME & CODE		BEAR-WYACONDA RIVER - 07110001				LANDUSE ACRES		56,500	
LANDUSE TYPE		NON-CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		80	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		6%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
<b>Progressive System Acres Treated</b>		<b>1,610</b>							
Brush Management (ac.) 314	805	\$35,703	\$0	\$7,141	\$42,844	\$35,703	\$714	\$38,711	
Conservation Cover (ac.) 327	32	\$2,038	\$0	\$408	\$2,445	\$2,038	\$41	\$2,209	
Fence (ft.) 382	10,064	\$7,347	\$0	\$1,469	\$8,816	\$7,347	\$735	\$10,441	
Forage Harvest Management (ac.) 511	403	\$1,610	\$0	\$322	\$1,932	\$1,610	\$483	\$3,645	
Grade Stabilization Structure (no.) 410	20	\$102,451	\$0	\$20,490	\$122,941	\$102,451	\$6,147	\$128,344	
Nutrient Management (ac.) 590	805	\$0	\$30,603	\$6,121	\$33,388	\$0	\$10,201	\$15,703	
Pasture and Hay Planting (ac.) 512	403	\$27,203	\$0	\$5,441	\$32,644	\$27,203	\$1,088	\$31,787	
Pest Management (ac.) 595	805	\$0	\$51,544	\$10,309	\$56,235	\$0	\$17,181	\$26,448	
Pond (no.) 378	20	\$60,384	\$0	\$12,077	\$72,461	\$60,384	\$2,415	\$70,559	
Prescribed Grazing (ac.) 528	1,610	\$7,085	\$0	\$1,417	\$8,502	\$7,085	\$0	\$7,085	
<b>Subtotal</b>		<b>\$243,821</b>	<b>\$82,147</b>	<b>\$65,194</b>	<b>\$382,208</b>	<b>\$243,821</b>	<b>\$39,005</b>	<b>\$334,933</b>	
<b>Resource Management System (RMS) Acres Treated</b>		<b>1,695</b>							
Brush Management (ac.) 314	1,653	\$73,286	\$0	\$14,657	\$87,943	\$73,286	\$1,466	\$79,460	
Conservation Cover (ac.) 327	66	\$4,183	\$0	\$837	\$5,019	\$4,183	\$84	\$4,535	
Critical Area Planting (ac.) 342	68	\$16,143	\$0	\$3,229	\$19,371	\$16,143	\$323	\$17,502	
Fence (ft.) 382	21,082	\$15,390	\$0	\$3,078	\$18,467	\$15,390	\$1,539	\$21,872	
Forage Harvest Management (ac.) 511	1,250	\$5,000	\$0	\$1,000	\$6,000	\$5,000	\$1,500	\$11,319	
Grade Stabilization Structure (no.) 410	20	\$102,451	\$0	\$20,490	\$122,941	\$102,451	\$6,147	\$128,344	
Nutrient Management (ac.) 590	1,653	\$0	\$62,816	\$12,563	\$68,533	\$0	\$20,939	\$32,232	
Pasture and Hay Planting (ac.) 512	1,250	\$84,473	\$0	\$16,895	\$101,368	\$84,473	\$3,379	\$98,706	
Pest Management (ac.) 595	1,653	\$0	\$105,801	\$21,160	\$115,429	\$0	\$35,267	\$54,288	
Pond (no.) 378	20	\$60,384	\$0	\$12,077	\$72,461	\$60,384	\$2,415	\$70,559	
Prescribed Grazing (ac.) 528	1,610	\$7,085	\$0	\$1,417	\$8,502	\$7,085	\$0	\$7,085	
Upland Wildlife Habitat Management (ac.) 645	848	\$0	\$38,138	\$7,628	\$41,608	\$0	\$12,713	\$19,569	
Watering Facility (no.) 614	21	\$9,623	\$0	\$1,925	\$11,548	\$9,623	\$385	\$11,244	
<b>Subtotal</b>		<b>\$378,017</b>	<b>\$206,755</b>	<b>\$116,954</b>	<b>\$679,191</b>	<b>\$378,017</b>	<b>\$86,156</b>	<b>\$556,717</b>	
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>2457.75</b>	<b>\$621,838</b>	<b>\$288,902</b>	<b>\$182,148</b>	<b>\$1,061,399</b>	<b>\$621,838</b>	<b>\$125,161</b>	<b>\$891,650</b>

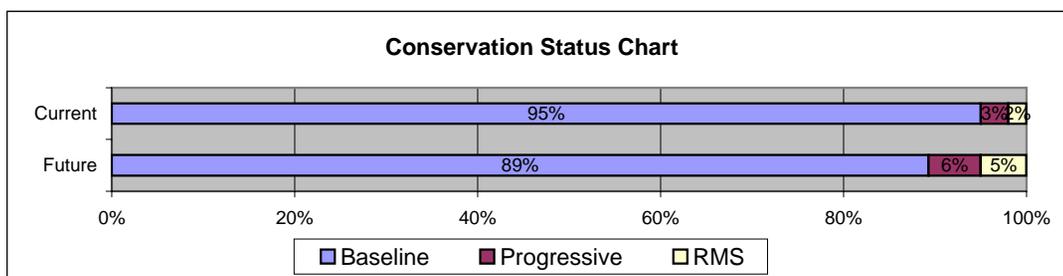


Chart Refers To	
Landuse Type	NON-CULTIVATED CROPLAND
Estimated Participation Rate	6%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$237	\$208
RMS	\$401	\$328

Estimated FTE per Year	0.4
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WATERSHED NAME & CODE		BEAR-WYACONDA RIVER - 07110001						LANDUSE ACRES			56,500
LANDUSE TYPE		NON-CULTIVATED CROPLAND						TYPICAL UNIT SIZE ACRES			80
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			6%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
<b>Progressive System Acres Treated</b>		<b>1,610</b>									
Brush Management (ac.) 314	805	X	X								
Conservation Cover (ac.) 327	32	X	X				X				
Fence (ft.) 382	10,064	X	X								
Forage Harvest Management (ac.) 511	403	X									
Grade Stabilization Structure (no.) 410	20	X	X								
Nutrient Management (ac.) 590	805	X	X								
Pasture and Hay Planting (ac.) 512	403	X	X								
Pest Management (ac.) 595	805	X	X								
Pond (no.) 378	20	X									
Prescribed Grazing (ac.) 528	1,610	X	X								
<b>Resource Management System (RMS) Acres Treated</b>		<b>1,695</b>									
Brush Management (ac.) 314	1,653	X	X								
Conservation Cover (ac.) 327	66	X	X				X				
Critical Area Planting (ac.) 342	68	X	X								
Fence (ft.) 382	21,082	X	X								
Forage Harvest Management (ac.) 511	1,250	X									
Grade Stabilization Structure (no.) 410	20	X	X								
Nutrient Management (ac.) 590	1,653	X	X								
Pasture and Hay Planting (ac.) 512	1,250	X	X								
Pest Management (ac.) 595	1,653	X	X								
Pond (no.) 378	20	X									
Prescribed Grazing (ac.) 528	1,610	X	X								
Upland Wildlife Habitat Management (ac.) 645	848	X	X								
Watering Facility (no.) 614	21	X	X								

WATERSHED NAME & CODE		BEAR-WYACONDA RIVER - 07110001			LANDUSE ACRES		56,500		
LANDUSE TYPE		NON-CULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		80		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		6%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Water Quantity – Excessive Runoff, Flooding, or Ponding	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>2</b>	<b>2</b>	<b>4</b>	<b>4</b>	
<b>Total Acreage at Baseline Level</b>		<b>53,675</b>	<b>50,455</b>	<b>0</b>	<b>50,455</b>				
Conservation Cover (ac.) 327		1,074	1,009	0	1,009	1	2	4	0
Fence (ft.) 382		201,281	189,204	0	189,204	0	0	0	0
Forage Harvest Management (ac.) 511		13,419	12,614	0	12,614	0	2	4	4
Pasture and Hay Planting (ac.) 512		13,419	12,614	0	12,614	1	2	5	5
Pond (no.) 378		671	631	0	631	4	2	2	0
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>3</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at Progressive Level</b>		<b>1,695</b>	<b>1,610</b>	<b>1,610</b>	<b>3,221</b>				
Brush Management (ac.) 314		848	805	805	1,610	3	2	3	4
Conservation Cover (ac.) 327		68	97	32	129	1	2	4	0
Fence (ft.) 382		16,950	22,141	10,064	32,205	0	0	0	0
Forage Harvest Management (ac.) 511		848	1,208	403	1,610	0	2	4	4
Grade Stabilization Structure (no.) 410		21	20	20	40	5	0	0	0
Nutrient Management (ac.) 590		848	805	805	1,610	0	0	3	4
Pasture and Hay Planting (ac.) 512		848	1,208	403	1,610	1	2	5	5
Pest Management (ac.) 595		848	805	805	1,610	0	0	5	4
Pond (no.) 378		42	60	20	81	4	2	2	0
Prescribed Grazing (ac.) 528		1,695	1,610	1,610	3,221	2	2	5	4
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>5</b>	<b>3</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at RMS Level</b>		<b>1,130</b>	<b>1,130</b>	<b>1,695</b>	<b>2,825</b>				
Brush Management (ac.) 314		1,130	1,172	1,653	2,825	3	2	3	4
Conservation Cover (ac.) 327		68	103	66	170	1	2	4	0
Critical Area Planting (ac.) 342		45	45	68	113	4	0	5	0
Fence (ft.) 382		18,645	25,531	21,082	46,613	0	0	0	0
Forage Harvest Management (ac.) 511		1,130	1,575	1,250	2,825	0	2	4	4
Grade Stabilization Structure (no.) 410		14	15	20	35	5	0	0	0
Nutrient Management (ac.) 590		1,130	1,172	1,653	2,825	0	0	3	4
Pasture and Hay Planting (ac.) 512		1,130	1,575	1,250	2,825	1	2	5	5
Pest Management (ac.) 595		1,130	1,172	1,653	2,825	0	0	5	4
Pond (no.) 378		28	50	20	71	4	2	2	0
Prescribed Grazing (ac.) 528		1,130	1,215	1,610	2,825	2	2	5	4
Upland Wildlife Habitat Management (ac.) 645		565	565	848	1,413	2	1	4	4
Watering Facility (no.) 614		14	14	21	35	1	0	2	0
<b>CONSERVATION INVESTMENT INFORMATION</b>									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT			PRIVATE INVESTMENT			
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
<b>Progressive System Acres Treated</b>		<b>1610.25</b>							
Brush Management (ac.) 314		805	\$35,703	\$0	\$7,141	\$42,844	\$35,703	\$714	\$38,711
Conservation Cover (ac.) 327		32	\$2,038	\$0	\$408	\$2,445	\$2,038	\$41	\$2,209
Fence (ft.) 382		10,064	\$7,347	\$0	\$1,469	\$8,816	\$7,347	\$735	\$10,441
Forage Harvest Management (ac.) 511		403	\$1,610	\$0	\$322	\$1,932	\$1,610	\$483	\$3,645
Grade Stabilization Structure (no.) 410		20	\$102,451	\$0	\$20,490	\$122,941	\$102,451	\$6,147	\$128,344
Nutrient Management (ac.) 590		805	\$0	\$30,603	\$6,121	\$33,388	\$0	\$10,201	\$15,703
Pasture and Hay Planting (ac.) 512		403	\$27,203	\$0	\$5,441	\$32,644	\$27,203	\$1,088	\$31,787
Pest Management (ac.) 595		805	\$0	\$51,544	\$10,309	\$56,235	\$0	\$17,181	\$26,448
Pond (no.) 378		20	\$60,384	\$0	\$12,077	\$72,461	\$60,384	\$2,415	\$70,559
Prescribed Grazing (ac.) 528		1,610	\$7,085	\$0	\$1,417	\$8,502	\$7,085	\$0	\$7,085
<b>Subtotal</b>			<b>\$243,821</b>	<b>\$82,147</b>	<b>\$65,194</b>	<b>\$382,208</b>	<b>\$243,821</b>	<b>\$39,005</b>	<b>\$334,933</b>
<b>Resource Management System (RMS) Acres Treated</b>		<b>1695</b>							
Brush Management (ac.) 314		1,653	\$73,286	\$0	\$14,657	\$87,943	\$73,286	\$1,466	\$79,460
Conservation Cover (ac.) 327		66	\$4,183	\$0	\$837	\$5,019	\$4,183	\$84	\$4,535
Critical Area Planting (ac.) 342		68	\$16,143	\$0	\$3,229	\$19,371	\$16,143	\$323	\$17,502
Fence (ft.) 382		21,082	\$15,390	\$0	\$3,078	\$18,467	\$15,390	\$1,539	\$21,872
Forage Harvest Management (ac.) 511		1,250	\$5,000	\$0	\$1,000	\$6,000	\$5,000	\$1,500	\$11,319
Grade Stabilization Structure (no.) 410		20	\$102,451	\$0	\$20,490	\$122,941	\$102,451	\$6,147	\$128,344
Nutrient Management (ac.) 590		1,653	\$0	\$62,816	\$12,563	\$68,533	\$0	\$20,939	\$32,232
Pasture and Hay Planting (ac.) 512		1,250	\$84,473	\$0	\$16,895	\$101,368	\$84,473	\$3,379	\$98,706
Pest Management (ac.) 595		1,653	\$0	\$105,801	\$21,160	\$115,429	\$0	\$35,267	\$54,288
Pond (no.) 378		20	\$60,384	\$0	\$12,077	\$72,461	\$60,384	\$2,415	\$70,559
Prescribed Grazing (ac.) 528		1,610	\$7,085	\$0	\$1,417	\$8,502	\$7,085	\$0	\$7,085
Upland Wildlife Habitat Management (ac.) 645		848	\$0	\$38,138	\$7,628	\$41,608	\$0	\$12,713	\$19,569
Watering Facility (no.) 614		21	\$9,623	\$0	\$1,925	\$11,548	\$9,623	\$385	\$11,244
<b>Subtotal</b>			<b>\$378,017</b>	<b>\$206,755</b>	<b>\$116,954</b>	<b>\$679,191</b>	<b>\$378,017</b>	<b>\$86,156</b>	<b>\$556,717</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>3305.25</b>	<b>\$621,838</b>	<b>\$288,902</b>	<b>\$182,148</b>	<b>\$1,061,399</b>	<b>\$621,838</b>	<b>\$125,161</b>	<b>\$891,650</b>

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

**Enter Watershed Variables Below**

Watershed Name	<input type="text" value="Bear - Wayaconda Rivers"/>	Watershed Code	<input type="text" value="07110001"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Developed Land"/>	Landuse Acres	<input type="text" value="41,000"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="20"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	<b>COMPARE</b>	<input type="text" value="4%"/>	Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>	<input type="button" value="Next"/>

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	95%	38,950	Baseline	96%	37,392	Baseline	91%	37,392	37,392	0
			Progressive	2%	779					
			RMS	2%	779					
			<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	3%	1,230	Progressive	95%	1,169	Progressive	5%	1,948	1,169	779
			RMS	5%	62					
			<i>Must Total 100%</i>		<i>100%</i>					
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	2%	820	RMS	100%	820	RMS	4%	1,661	820	841
<b>Grand Totals</b>	<b>100%</b>	<b>41,000</b>					<b>100%</b>	<b>41,000</b>	<b>39,381</b>	<b>1,620</b>



# DOCUMENTATION SECTION

## PRACTICE FACTOR SHEET

Only shaded practices are in this analysis.

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

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

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Next

Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
314	x 5.0%	x 10.0%	x 20.0%	PERCENT of TU	Brush Management (ac.) 314
340	0.0%	0.0%	x 85.0%	PERCENT of TU	Cover Crop (ac.) 340
342	x 5.0%	x 10.0%	x 20.0%	PERCENT of TU	Critical Area Planting (ac.) 342
350	0	x 1	x 2	NUMBER per TU	Sediment Basin (no.) 350
351	x 1	x 1	x 1	NUMBER per TU	Well Decommissioning (no.) 351
380	0	x 2,000	x 2,000	FEET per TU	Windbreak/Shelterbreak Establishment (ft.) 380
393	0.0%	0.0%	x 5.0%	PERCENT of TU	Filter Strip (ac.) 393
412	0.0%	0.0%	x 2.0%	PERCENT of TU	Grassed Waterway (ac.) 412
484	0.0%	x 2.0%	x 2.0%	PERCENT of TU	Mulching (ac.) 484
490	10.0%	x 1.0%	x 2.0%	PERCENT of TU	Forest Site Preparation (ac.) 490
554	x 5.0%	x 10.0%	x 20.0%	PERCENT of TU	Drainage Water Management (ac.) 554
560	0	0	x 1,320	FEET per TU	Access Road (ft.) 560
600	0	0	x 1,000	FEET per TU	Terrace (ft.) 600
601	0	x 300	x 600	FEET per TU	Vegetative Barrier (ft.) 601
612	0.0%	x 1.0%	x 2.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612
620	0	0	x 500	FEET per TU	Underground Outlet (ft.) 620
638	0	0	x 2	NUMBER per TU	Water & Sediment Control Basin (no.) 638
561	0.0%	0.0%	2.0%	PERCENT of TU	Heavy Use Area Protection (ac.) 561
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

Help

WATERSHED NAME & CODE		BEAR - WAYACONDA RIVERS - 07110001			LANDUSE ACRES		41,000		
LANDUSE TYPE		DEVELOPED LAND			TYPICAL UNIT SIZE ACRES		20		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		4%		
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 – Classic Gully	Soil Erosion – Streambank	Water Quantity – Excessive Runoff, Flooding, or Ponding
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	
<b>Total Acreage at Baseline Level</b>		<b>38,950</b>	<b>37,392</b>	<b>0</b>	<b>37,392</b>				
Water and Sediment Control Basin (no.) 638		0	0	0	0	0	3	0	2
Brush Management (ac.) 314		1,948	1,870	0	1,870	3	3	1	2
Critical Area Planting (ac.) 342		1,948	1,870	0	1,870	5	4	4	0
Drainage Water Management (ac.) 554		1,948	1,870	0	1,870	0	0	0	-2
Well Decommissioning (no.) 351		1,948	1,870	0	1,870	0	0	0	0
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>5</b>	<b>3</b>	<b>3</b>	<b>1</b>	
<b>Total Acreage at Progressive Level</b>		<b>1,230</b>	<b>1,169</b>	<b>779</b>	<b>1,948</b>				
Brush Management (ac.) 314		123	156	39	195	3	3	1	2
Critical Area Planting (ac.) 342		123	156	39	195	5	4	4	0
Drainage Water Management (ac.) 554		123	156	39	195	0	0	0	-2
Mulching (ac.) 484		25	23	16	39	4	1	2	2
Sediment Basin (no.) 350		62	58	39	97	0	2	0	2
Tree/Shrub Establishment (ac.) 612		12	12	8	19	5	2	0	-1
Tree/Shrub Site Preparation (ac.) 490		12	12	8	19	-1	-2	0	0
Vegetative Barrier (ft.) 601		18,450	17,528	11,685	29,213	4	2	1	1
Well Decommissioning (no.) 351		62	97	0	97	0	0	0	0
Windbreak/Shelterbelt Establishment (ft.) 380		123,000	116,850	77,900	194,750	3	0	0	1
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>5</b>	<b>4</b>	<b>3</b>	<b>3</b>	
<b>Total Acreage at RMS Level</b>		<b>820</b>	<b>820</b>	<b>841</b>	<b>1,661</b>				
Access Road (ft.) 560		54,120	54,120	55,473	109,593	0	-1	0	-1
Brush Management (ac.) 314		164	209	123	332	3	3	1	2
Cover Crop (ac.) 340		697	697	714	1,411	4	1	0	2
Critical Area Planting (ac.) 342		164	209	123	332	5	4	4	0
Drainage Water Management (ac.) 554		164	209	123	332	0	0	0	-2
Filter Strip (ac.) 393		41	41	42	83	3	0	1	0
Grassed Waterway (ac.) 412		16	16	17	33	0	4	1	3
Mulching (ac.) 484		16	18	16	33	4	1	2	2
Sediment Basin (no.) 350		82	85	81	166	0	2	0	2
Terrace (ft.) 600		41,000	41,000	42,025	83,025	5	2	1	4
Tree/Shrub Establishment (ac.) 612		16	17	16	33	5	2	0	-1
Tree/Shrub Site Preparation (ac.) 490		16	17	16	33	-1	-2	0	0
Underground Outlet (ft.) 620		20,500	20,500	21,013	41,513	0	4	-1	4
Vegetative Barrier (ft.) 601		24,600	25,523	24,293	49,815	4	2	1	1
Water and Sediment Control Basin (no.) 638		82	82	84	166	0	3	0	2
Well Decommissioning (no.) 351		41	83	0	83	0	0	0	0
Windbreak/Shelterbelt Establishment (ft.) 380		82,000	88,150	77,900	166,050	3	0	0	1

WATERSHED NAME & CODE		BEAR - WAYACONDA RIVERS - 07110001				LANDUSE ACRES		41,000	
LANDUSE TYPE		DEVELOPED LAND				TYPICAL UNIT SIZE ACRES		20	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		4%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
<b>Progressive System Acres Treated</b>		<b>779</b>							
Brush Management (ac.) 314	39	\$1,727	\$0	\$345	\$2,073	\$1,727	\$35	\$1,873	
Critical Area Planting (ac.) 342	39	\$9,274	\$0	\$1,855	\$11,128	\$9,274	\$185	\$10,055	
Drainage Water Management (ac.) 554	39	\$218	\$0	\$44	\$262	\$218	\$4	\$236	
Mulching (ac.) 484	16	\$0	\$4,674	\$935	\$5,099	\$0	\$1,558	\$2,398	
Sediment Basin (no.) 350	39	\$48,688	\$0	\$9,738	\$58,425	\$48,688	\$1,948	\$56,891	
Tree/Shrub Establishment (ac.) 612	8	\$1,270	\$0	\$254	\$1,524	\$1,270	\$0	\$1,270	
Tree/Shrub Site Preparation (ac.) 490	8	\$0	\$1,047	\$209	\$1,142	\$0	\$349	\$537	
Vegetative Barrier (ft.) 601	11,685	\$175	\$0	\$35	\$210	\$175	\$11	\$220	
Well Decommissioning (no.) 351	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Windbreak/Shelterbelt Establishment (ft.) 380	77,900	\$17,528	\$0	\$3,506	\$21,033	\$17,528	\$701	\$20,481	
<b>Subtotal</b>		<b>\$78,879</b>	<b>\$5,721</b>	<b>\$16,920</b>	<b>\$100,896</b>	<b>\$78,879</b>	<b>\$4,790</b>	<b>\$93,961</b>	
<b>Resource Management System (RMS) Acres Treated</b>		<b>841</b>							
Access Road (ft.) 560	55,473	\$138,683	\$0	\$27,737	\$166,419	\$138,683	\$8,321	\$173,733	
Brush Management (ac.) 314	123	\$5,454	\$0	\$1,091	\$6,545	\$5,454	\$109	\$5,914	
Cover Crop (ac.) 340	714	\$0	\$102,341	\$20,468	\$111,655	\$0	\$34,114	\$52,513	
Critical Area Planting (ac.) 342	123	\$29,285	\$0	\$5,857	\$35,142	\$29,285	\$586	\$31,752	
Drainage Water Management (ac.) 554	123	\$689	\$0	\$138	\$827	\$689	\$14	\$747	
Filter Strip (ac.) 393	42	\$1,471	\$0	\$294	\$1,765	\$1,471	\$88	\$1,843	
Grassed Waterway (ac.) 412	17	\$17,132	\$0	\$3,426	\$20,558	\$17,132	\$1,028	\$21,462	
Mulching (ac.) 484	16	\$0	\$4,674	\$935	\$5,099	\$0	\$1,558	\$2,398	
Sediment Basin (no.) 350	81	\$101,219	\$0	\$20,244	\$121,463	\$101,219	\$4,049	\$118,274	
Terrace (ft.) 600	42,025	\$43,076	\$0	\$8,615	\$51,691	\$43,076	\$1,723	\$50,334	
Tree/Shrub Establishment (ac.) 612	16	\$2,640	\$0	\$528	\$3,168	\$2,640	\$0	\$2,640	
Tree/Shrub Site Preparation (ac.) 490	16	\$0	\$2,176	\$435	\$2,374	\$0	\$725	\$1,117	
Underground Outlet (ft.) 620	21,013	\$4,518	\$0	\$904	\$5,421	\$4,518	\$271	\$5,659	
Vegetative Barrier (ft.) 601	24,293	\$364	\$0	\$73	\$437	\$364	\$22	\$456	
Water and Sediment Control Basin (no.) 638	84	\$84,050	\$0	\$16,810	\$100,860	\$84,050	\$8,405	\$119,455	
Well Decommissioning (no.) 351	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Windbreak/Shelterbelt Establishment (ft.) 380	77,900	\$17,528	\$0	\$3,506	\$21,033	\$17,528	\$701	\$20,481	
<b>Subtotal</b>		<b>\$446,107</b>	<b>\$109,192</b>	<b>\$111,060</b>	<b>\$654,457</b>	<b>\$446,107</b>	<b>\$61,714</b>	<b>\$608,777</b>	
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>55511.95</b>	<b>\$524,986</b>	<b>\$114,912</b>	<b>\$127,980</b>	<b>\$755,353</b>	<b>\$524,986</b>	<b>\$66,504</b>	<b>\$702,738</b>

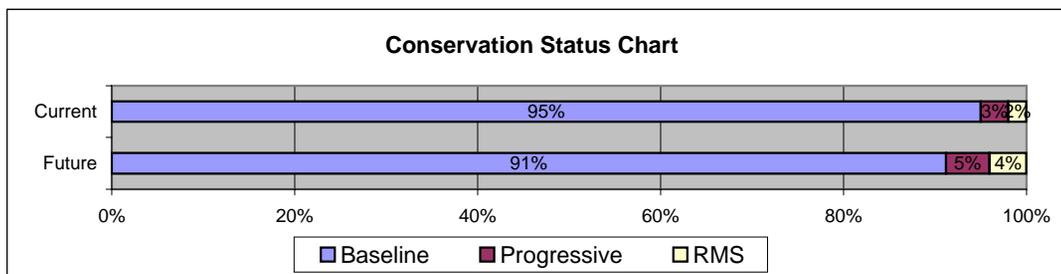


Chart Refers To	
Landuse Type	DEVELOPED LAND
Estimated Participation Rate	4%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$130	\$121
RMS	\$779	\$724

Estimated FTE per Year	0.3
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WATERSHED NAME & CODE		BEAR - WAYACONDA RIVERS - 07110001						LANDUSE ACRES			41,000
LANDUSE TYPE		DEVELOPED LAND						TYPICAL UNIT SIZE ACRES			20
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION				4%
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
<b>Progressive System Acres Treated</b>		<b>779</b>									
Brush Management (ac.) 314	39	X	X								
Critical Area Planting (ac.) 342	39	X	X								
Drainage Water Management (ac.) 554	39	X	X								
Mulching (ac.) 484	16	X		X							
Sediment Basin (no.) 350	39	X									
Tree/Shrub Establishment (ac.) 612	8	X	X	X							
Tree/Shrub Site Preparation (ac.) 490	8	X	X	X							
Vegetative Barrier (ft.) 601	11,685	X	X								
Well Decommissioning (no.) 351	0	X	X								
Windbreak/Shelterbelt Establishment (ft.) 380	77,900	X	X								
<b>Resource Management System (RMS) Acres Treated</b>		<b>841</b>									
Access Road (ft.) 560	55,473	X									
Brush Management (ac.) 314	123	X	X								
Cover Crop (ac.) 340	714	X	X								
Critical Area Planting (ac.) 342	123	X	X								
Drainage Water Management (ac.) 554	123	X	X								
Filter Strip (ac.) 393	42	X					X				
Grassed Waterway (ac.) 412	17	X	X				X				
Mulching (ac.) 484	16	X		X							
Sediment Basin (no.) 350	81	X									
Terrace (ft.) 600	42,025	X	X				X				
Tree/Shrub Establishment (ac.) 612	16	X	X	X							
Tree/Shrub Site Preparation (ac.) 490	16	X	X	X							
Underground Outlet (ft.) 620	21,013	X	X								
Vegetative Barrier (ft.) 601	24,293	X	X								
Water and Sediment Control Basin (no.) 638	84	X	X								
Well Decommissioning (no.) 351	0	X	X								
Windbreak/Shelterbelt Establishment (ft.) 380	77,900	X	X								

WATERSHED NAME & CODE		BEAR - WAYACONDA RIVERS - 07110001			LANDUSE ACRES		41,000		
LANDUSE TYPE		DEVELOPED LAND			TYPICAL UNIT SIZE ACRES		20		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		4%		
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 – Classic Gully	Soil Erosion – Streambank	Water Quantity – Excessive Runoff, Flooding, or Ponding
<b>Baseline System</b>		System Rating ->			4	3	2	1	
<b>Total Acreage at Baseline Level</b>		<b>38,950</b>	<b>37,392</b>	<b>0</b>	<b>37,392</b>				
Water and Sediment Control Basin (no.) 638		0	0	0	0	0	3	0	2
Brush Management (ac.) 314		1,948	1,870	0	1,870	3	3	1	2
Critical Area Planting (ac.) 342		1,948	1,870	0	1,870	5	4	4	0
Drainage Water Management (ac.) 554		1,948	1,870	0	1,870	0	0	0	-2
Well Decommissioning (no.) 351		1,948	1,870	0	1,870	0	0	0	0
<b>Progressive System</b>		System Rating ->			5	3	3	1	
<b>Total Acreage at Progressive Level</b>		<b>1,230</b>	<b>1,169</b>	<b>779</b>	<b>1,948</b>				
Brush Management (ac.) 314		123	156	39	195	3	3	1	2
Critical Area Planting (ac.) 342		123	156	39	195	5	4	4	0
Drainage Water Management (ac.) 554		123	156	39	195	0	0	0	-2
Mulching (ac.) 484		25	23	16	39	4	1	2	2
Sediment Basin (no.) 350		62	58	39	97	0	2	0	2
Tree/Shrub Establishment (ac.) 612		12	12	8	19	5	2	0	-1
Tree/Shrub Site Preparation (ac.) 490		12	12	8	19	-1	-2	0	0
Vegetative Barrier (ft.) 601		18,450	17,528	11,685	29,213	4	2	1	1
Well Decommissioning (no.) 351		62	97	0	97	0	0	0	0
Windbreak/Shelterbelt Establishment (ft.) 380		123,000	116,850	77,900	194,750	3	0	0	1
<b>Resource Management System (RMS)</b>		System Rating ->			5	4	3	3	
<b>Total Acreage at RMS Level</b>		<b>820</b>	<b>820</b>	<b>841</b>	<b>1,661</b>				
Access Road (ft.) 560		54,120	54,120	55,473	109,593	0	-1	0	-1
Brush Management (ac.) 314		164	209	123	332	3	3	1	2
Cover Crop (ac.) 340		697	697	714	1,411	4	1	0	2
Critical Area Planting (ac.) 342		164	209	123	332	5	4	4	0
Drainage Water Management (ac.) 554		164	209	123	332	0	0	0	-2
Filter Strip (ac.) 393		41	41	42	83	3	0	1	0
Grassed Waterway (ac.) 412		16	16	17	33	0	4	1	3
Mulching (ac.) 484		16	18	16	33	4	1	2	2
Sediment Basin (no.) 350		82	85	81	166	0	2	0	2
Terrace (ft.) 600		41,000	41,000	42,025	83,025	5	2	1	4
Tree/Shrub Establishment (ac.) 612		16	17	16	33	5	2	0	-1
Tree/Shrub Site Preparation (ac.) 490		16	17	16	33	-1	-2	0	0
Underground Outlet (ft.) 620		20,500	20,500	21,013	41,513	0	4	-1	4
Vegetative Barrier (ft.) 601		24,600	25,523	24,293	49,815	4	2	1	1
Water and Sediment Control Basin (no.) 638		82	82	84	166	0	3	0	2
Well Decommissioning (no.) 351		41	83	0	83	0	0	0	0
Windbreak/Shelterbelt Establishment (ft.) 380		82,000	88,150	77,900	166,050	3	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
<b>Progressive System Acres Treated</b>		<b>779</b>							
Brush Management (ac.) 314		39	\$1,727	\$0	\$345	\$2,073	\$1,727	\$35	\$1,873
Critical Area Planting (ac.) 342		39	\$9,274	\$0	\$1,855	\$11,128	\$9,274	\$185	\$10,055
Drainage Water Management (ac.) 554		39	\$218	\$0	\$44	\$262	\$218	\$4	\$236
Mulching (ac.) 484		16	\$0	\$4,674	\$935	\$5,099	\$0	\$1,558	\$2,398
Sediment Basin (no.) 350		39	\$48,688	\$0	\$9,738	\$58,425	\$48,688	\$1,948	\$56,891
Tree/Shrub Establishment (ac.) 612		8	\$1,270	\$0	\$254	\$1,524	\$1,270	\$0	\$1,270
Tree/Shrub Site Preparation (ac.) 490		8	\$0	\$1,047	\$209	\$1,142	\$0	\$349	\$537
Vegetative Barrier (ft.) 601		11,685	\$175	\$0	\$35	\$210	\$175	\$11	\$220
Well Decommissioning (no.) 351		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Windbreak/Shelterbelt Establishment (ft.) 380		77,900	\$17,528	\$0	\$3,506	\$21,033	\$17,528	\$701	\$20,481
<b>Subtotal</b>			<b>\$78,879</b>	<b>\$5,721</b>	<b>\$16,920</b>	<b>\$100,896</b>	<b>\$78,879</b>	<b>\$4,790</b>	<b>\$93,961</b>
<b>Resource Management System (RMS) Acres Treated</b>		<b>840.5</b>							
Access Road (ft.) 560		55,473	\$138,683	\$0	\$27,737	\$166,419	\$138,683	\$8,321	\$173,733
Brush Management (ac.) 314		123	\$5,454	\$0	\$1,091	\$6,545	\$5,454	\$109	\$5,914
Cover Crop (ac.) 340		714	\$0	\$102,341	\$20,468	\$111,655	\$0	\$34,114	\$52,513
Critical Area Planting (ac.) 342		123	\$29,285	\$0	\$5,857	\$35,142	\$29,285	\$586	\$31,752
Drainage Water Management (ac.) 554		123	\$689	\$0	\$138	\$827	\$689	\$14	\$747
Filter Strip (ac.) 393		42	\$1,471	\$0	\$294	\$1,765	\$1,471	\$88	\$1,843
Grassed Waterway (ac.) 412		17	\$17,132	\$0	\$3,426	\$20,558	\$17,132	\$1,028	\$21,462
Mulching (ac.) 484		16	\$0	\$4,674	\$935	\$5,099	\$0	\$1,558	\$2,398
Sediment Basin (no.) 350		81	\$101,219	\$0	\$20,244	\$121,463	\$101,219	\$4,049	\$118,274
Terrace (ft.) 600		42,025	\$43,076	\$0	\$8,615	\$51,691	\$43,076	\$1,723	\$50,334
Tree/Shrub Establishment (ac.) 612		16	\$2,640	\$0	\$528	\$3,168	\$2,640	\$0	\$2,640
Tree/Shrub Site Preparation (ac.) 490		16	\$0	\$2,176	\$435	\$2,374	\$0	\$725	\$1,117
Underground Outlet (ft.) 620		21,013	\$4,518	\$0	\$904	\$5,421	\$4,518	\$271	\$5,659
Vegetative Barrier (ft.) 601		24,293	\$364	\$0	\$73	\$437	\$364	\$22	\$456
Water and Sediment Control Basin (no.) 638		84	\$84,050	\$0	\$16,810	\$100,860	\$84,050	\$8,405	\$119,455
Well Decommissioning (no.) 351		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Windbreak/Shelterbelt Establishment (ft.) 380		77,900	\$17,528	\$0	\$3,506	\$21,033	\$17,528	\$701	\$20,481
<b>Subtotal</b>			<b>\$446,107</b>	<b>\$109,192</b>	<b>\$111,060</b>	<b>\$654,457</b>	<b>\$446,107</b>	<b>\$61,714</b>	<b>\$608,777</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>1619.5</b>	<b>\$524,986</b>	<b>\$114,912</b>	<b>\$127,980</b>	<b>\$755,353</b>	<b>\$524,986</b>	<b>\$66,504</b>	<b>\$702,738</b>

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



# 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
342	x 1.0%	x 3.0%	x 6.0%	PERCENT of TU	Critical Area Planting (ac.) 342
378	x 1	x 2	x 4	NUMBER per TU	Pond (no.) 378
380	0	0	x 1,500	FEET per TU	Windbreak/Shelterbreak Establishment (ft.) 380
382	0	x 2,640	x 8,000	FEET per TU	Fence (ft.) 382
391	0.0%	0.0%	x 3.0%	PERCENT of TU	Riparian Forest Buffer (ac.) 391
410	x 1	x 1	x 2	NUMBER per TU	Grade Stabilization Structure (no.) 410
472	0.0%	x 3.0%	x 4.0%	PERCENT of TU	Use Exclusion (ac.) 472
511	x 50.0%	x 65.0%	x 97.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	x 25.0%	x 50.0%	x 97.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
516	0	0	x 4,000	FEET per TU	Pipeline (ft.) 516
528	0.0%	x 75.0%	x 97.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
574	0	0	x 1	NUMBER per TU	Spring Development (no.) 574
578	0	0	x 50	FEET per TU	Stream Crossing 578
580	0	0	x 1,320	FEET per TU	Streambank & Shoreline Protection (ft.) 580
590	0.0%	x 75.0%	x 97.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	0.0%	x 75.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595
633	0.0%	0.0%	x 97.0%	PERCENT of TU	Waste Utilization (ac.) 633
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



WATERSHED NAME & CODE		BEAR - WYACONDA RIVERS - 07110001			LANDUSE ACRES		157,700		
LANDUSE TYPE		PASTURELAND			TYPICAL UNIT SIZE ACRES		160		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		8%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Water Quantity – Excessive Runoff, Flooding, or Ponding	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability
<b>Baseline System</b>		<b>System Rating -&gt;</b>				<b>4</b>	<b>2</b>	<b>5</b>	<b>4</b>
<b>Total Acreage at Baseline Level</b>		<b>118,275</b>	<b>109,996</b>	<b>0</b>	<b>109,996</b>				
Critical Area Planting (ac.) 342		1,183	1,100	0	1,100	4	0	5	0
Forage Harvest Management (ac.) 511		59,138	54,998	0	54,998	0	2	4	4
Grade Stabilization Structure (no.) 410		739	687	0	687	5	0	0	0
Pasture and Hay Planting (ac.) 512		29,569	27,499	0	27,499	1	2	5	5
Pond (no.) 378		739	687	0	687	4	2	2	0
<b>Progressive System</b>		<b>System Rating -&gt;</b>				<b>4</b>	<b>3</b>	<b>5</b>	<b>5</b>
<b>Total Acreage at Progressive Level</b>		<b>31,540</b>	<b>28,386</b>	<b>5,914</b>	<b>34,300</b>				
Critical Area Planting (ac.) 342		946	911	118	1,029	4	0	5	0
Fence (ft.) 382		520,410	468,369	97,577	565,946	0	0	0	0
Forage Harvest Management (ac.) 511		20,501	21,408	887	22,295	0	2	4	4
Grade Stabilization Structure (no.) 410		197	214	0	214	5	0	0	0
Nutrient Management (ac.) 590		23,655	21,290	4,435	25,725	0	0	3	4
Pasture and Hay Planting (ac.) 512		15,770	15,671	1,478	17,150	1	2	5	5
Pest Management (ac.) 595		23,655	21,290	4,435	25,725	0	0	5	4
Pond (no.) 378		394	392	37	429	4	2	2	0
Prescribed Grazing (ac.) 528		23,655	21,290	4,435	25,725	2	2	5	4
Use Exclusion (ac.) 472		946	852	177	1,029	2	1	4	4
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>				<b>5</b>	<b>3</b>	<b>5</b>	<b>5</b>
<b>Total Acreage at RMS Level</b>		<b>7,885</b>	<b>7,885</b>	<b>5,520</b>	<b>13,405</b>				
Critical Area Planting (ac.) 342		473	591	213	804	4	0	5	0
Fence (ft.) 382		394,250	446,291	223,934	670,225	0	0	0	0
Forage Harvest Management (ac.) 511		7,648	10,881	2,121	13,002	0	2	4	4
Grade Stabilization Structure (no.) 410		99	133	34	168	5	0	0	0
Nutrient Management (ac.) 590		7,648	10,014	2,988	13,002	0	0	3	4
Pasture and Hay Planting (ac.) 512		7,648	9,817	3,186	13,002	1	2	5	5
Pest Management (ac.) 595		7,885	10,251	3,154	13,405	0	0	5	4
Pipeline (ft.) 516		197,125	197,125	137,988	335,113	0	0	2	0
Pond (no.) 378		197	251	84	335	4	2	2	0
Prescribed Grazing (ac.) 528		7,648	10,014	2,988	13,002	2	2	5	4
Riparian Forest Buffer (ac.) 391		237	237	166	402	3	3	4	4
Spring Development (no.) 574		49	49	34	84	1	1	2	0
Stream Crossing (no.) 578		2,464	2,464	1,725	4,189	0	0	0	0
Streambank and Shoreline Protection (ft.) 580		65,051	65,051	45,536	110,587	0	0	4	0
Use Exclusion (ac.) 472		315	410	126	536	2	1	4	4
Waste Utilization (ac.) 633		7,648	7,648	5,354	13,002	0	0	3	4
Windbreak/Shelterbelt Establishment (ft.) 380		73,922	73,922	51,745	125,667	0	1	5	4

WATERSHED NAME & CODE		BEAR - WYACONDA RIVERS - 07110001				LANDUSE ACRES		157,700	
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		160	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		8%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
<b>Progressive System Acres Treated</b>		<b>5,914</b>							
Critical Area Planting (ac.) 342	118	\$28,160	\$0	\$5,632	\$33,792	\$28,160	\$563	\$30,533	
Fence (ft.) 382	97,577	\$71,231	\$0	\$14,246	\$85,477	\$71,231	\$7,123	\$101,236	
Forage Harvest Management (ac.) 511	887	\$3,548	\$0	\$710	\$4,258	\$3,548	\$1,064	\$8,032	
Grade Stabilization Structure (no.) 410	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Nutrient Management (ac.) 590	4,435	\$0	\$168,586	\$33,717	\$183,928	\$0	\$56,195	\$86,505	
Pasture and Hay Planting (ac.) 512	1,478	\$99,905	\$0	\$19,981	\$119,886	\$99,905	\$3,996	\$116,739	
Pest Management (ac.) 595	4,435	\$0	\$283,949	\$56,790	\$309,789	\$0	\$94,650	\$145,699	
Pond (no.) 378	37	\$110,883	\$0	\$22,177	\$133,059	\$110,883	\$4,435	\$129,566	
Prescribed Grazing (ac.) 528	4,435	\$19,515	\$0	\$3,903	\$23,418	\$19,515	\$0	\$19,515	
Use Exclusion (ac.) 472	177	\$444	\$0	\$89	\$532	\$444	\$27	\$556	
<b>Subtotal</b>		<b>\$333,687</b>	<b>\$452,535</b>	<b>\$157,244</b>	<b>\$894,141</b>	<b>\$333,687</b>	<b>\$168,054</b>	<b>\$638,380</b>	
<b>Resource Management System (RMS) Acres Treated</b>		<b>5,520</b>							
Critical Area Planting (ac.) 342	213	\$50,688	\$0	\$10,138	\$60,826	\$50,688	\$1,014	\$54,959	
Fence (ft.) 382	223,934	\$163,472	\$0	\$32,694	\$196,166	\$163,472	\$16,347	\$232,332	
Forage Harvest Management (ac.) 511	2,121	\$8,484	\$0	\$1,697	\$10,181	\$8,484	\$2,545	\$19,206	
Grade Stabilization Structure (no.) 410	34	\$175,587	\$0	\$35,117	\$210,704	\$175,587	\$10,535	\$219,965	
Nutrient Management (ac.) 590	2,988	\$0	\$113,590	\$22,718	\$123,927	\$0	\$37,863	\$58,285	
Pasture and Hay Planting (ac.) 512	3,186	\$215,263	\$0	\$43,053	\$258,315	\$215,263	\$8,611	\$251,533	
Pest Management (ac.) 595	3,154	\$0	\$201,919	\$40,384	\$220,295	\$0	\$67,306	\$103,608	
Pipeline (ft.) 516	137,988	\$148,337	\$0	\$29,667	\$178,004	\$148,337	\$0	\$148,337	
Pond (no.) 378	84	\$251,334	\$0	\$50,267	\$301,601	\$251,334	\$10,053	\$293,683	
Prescribed Grazing (ac.) 528	2,988	\$13,149	\$0	\$2,630	\$15,779	\$13,149	\$0	\$13,149	
Riparian Forest Buffer (ac.) 391	166	\$26,990	\$0	\$5,398	\$32,388	\$26,990	\$540	\$29,264	
Spring Development (no.) 574	34	\$4,451	\$0	\$890	\$5,342	\$4,451	\$267	\$5,576	
Stream Crossing (no.) 578	1,725	\$1,612,444	\$0	\$322,489	\$1,934,933	\$1,612,444	\$32,249	\$1,748,288	
Streambank and Shoreline Protection (ft.) 580	45,536	\$248,398	\$0	\$49,680	\$298,078	\$248,398	\$9,936	\$290,252	
Use Exclusion (ac.) 472	126	\$315	\$0	\$63	\$378	\$315	\$19	\$395	
Waste Utilization (ac.) 633	5,354	\$0	\$240,926	\$48,185	\$262,851	\$0	\$80,309	\$123,623	
Windbreak/Shelterbelt Establishment (ft.) 380	51,745	\$11,643	\$0	\$2,329	\$13,971	\$11,643	\$466	\$13,604	
<b>Subtotal</b>		<b>\$2,930,556</b>	<b>\$556,435</b>	<b>\$697,398</b>	<b>\$4,123,740</b>	<b>\$2,930,556</b>	<b>\$278,060</b>	<b>\$3,606,060</b>	
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>331.17</b>	<b>\$3,264,242</b>	<b>\$1,008,970</b>	<b>\$854,642</b>	<b>\$5,017,881</b>	<b>\$3,264,242</b>	<b>\$446,114</b>	<b>\$4,244,440</b>

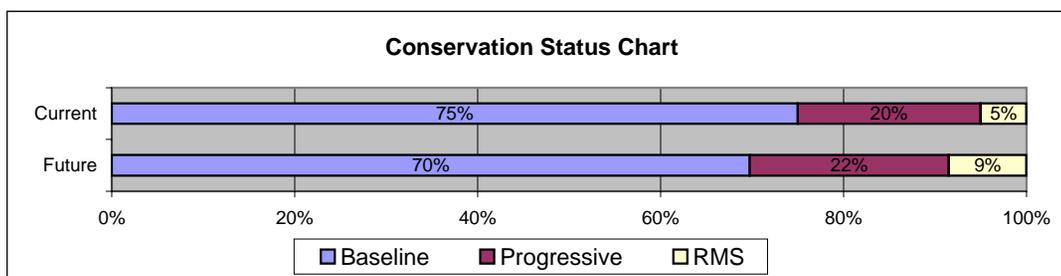


Chart Refers To	
Landuse Type	PASTURELAND
Estimated Participation Rate	8%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$151	\$108
RMS	\$747	\$653

Estimated FTE per Year	1.7
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WATERSHED NAME & CODE		BEAR - WYACONDA RIVERS - 07110001						LANDUSE ACRES			157,700
LANDUSE TYPE		PASTURELAND						TYPICAL UNIT SIZE ACRES			160
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			8%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
<b>Progressive System Acres Treated</b>		<b>5,914</b>									
Critical Area Planting (ac.) 342	118	X	X								
Fence (ft.) 382	97,577	X	X								
Forage Harvest Management (ac.) 511	887	X									
Grade Stabilization Structure (no.) 410	0	X	X								
Nutrient Management (ac.) 590	4,435	X	X								
Pasture and Hay Planting (ac.) 512	1,478	X	X								
Pest Management (ac.) 595	4,435	X	X								
Pond (no.) 378	37	X									
Prescribed Grazing (ac.) 528	4,435	X	X								
Use Exclusion (ac.) 472	177	X	X	X							
<b>Resource Management System (RMS) Acres Treated</b>		<b>5,520</b>									
Critical Area Planting (ac.) 342	213	X	X								
Fence (ft.) 382	223,934	X	X								
Forage Harvest Management (ac.) 511	2,121	X									
Grade Stabilization Structure (no.) 410	34	X	X								
Nutrient Management (ac.) 590	2,988	X	X								
Pasture and Hay Planting (ac.) 512	3,186	X	X								
Pest Management (ac.) 595	3,154	X	X								
Pipeline (ft.) 516	137,988	X	X								
Pond (no.) 378	84	X									
Prescribed Grazing (ac.) 528	2,988	X	X								
Riparian Forest Buffer (ac.) 391	166	X	X								
Spring Development (no.) 574	34	X	X								
Stream Crossing (no.) 578	1,725	X	X								
Streambank and Shoreline Protection (ft.) 580	45,536	X	X								
Use Exclusion (ac.) 472	126	X	X	X							
Waste Utilization (ac.) 633	5,354	X	X								
Windbreak/Shelterbelt Establishment (ft.) 380	51,745	X	X								

WATERSHED NAME & CODE		BEAR - WYACONDA RIVERS - 07110001				LANDUSE ACRES		157,700	
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		160	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		8%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Water Quantity – Excessive Runoff, Flooding, or Ponding	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability
<b>Baseline System</b>		<b>System Rating -&gt;</b>				<b>4</b>	<b>2</b>	<b>5</b>	<b>4</b>
<b>Total Acreage at Baseline Level</b>		<b>118,275</b>	<b>109,996</b>	<b>0</b>	<b>109,996</b>				
Critical Area Planting (ac.) 342		1,183	1,100	0	1,100	4	0	5	0
Forage Harvest Management (ac.) 511		59,138	54,998	0	54,998	0	2	4	4
Grade Stabilization Structure (no.) 410		739	687	0	687	5	0	0	0
Pasture and Hay Planting (ac.) 512		29,569	27,499	0	27,499	1	2	5	5
Pond (no.) 378		739	687	0	687	4	2	2	0
<b>Progressive System</b>		<b>System Rating -&gt;</b>				<b>4</b>	<b>3</b>	<b>5</b>	<b>5</b>
<b>Total Acreage at Progressive Level</b>		<b>31,540</b>	<b>28,386</b>	<b>5,914</b>	<b>34,300</b>				
Critical Area Planting (ac.) 342		946	911	118	1,029	4	0	5	0
Fence (ft.) 382		520,410	468,369	97,577	565,946	0	0	0	0
Forage Harvest Management (ac.) 511		20,501	21,408	887	22,295	0	2	4	4
Grade Stabilization Structure (no.) 410		197	214	0	214	5	0	0	0
Nutrient Management (ac.) 590		23,655	21,290	4,435	25,725	0	0	3	4
Pasture and Hay Planting (ac.) 512		15,770	15,671	1,478	17,150	1	2	5	5
Pest Management (ac.) 595		23,655	21,290	4,435	25,725	0	0	5	4
Pond (no.) 378		394	392	37	429	4	2	2	0
Prescribed Grazing (ac.) 528		23,655	21,290	4,435	25,725	2	2	5	4
Use Exclusion (ac.) 472		946	852	177	1,029	2	1	4	4
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>				<b>5</b>	<b>3</b>	<b>5</b>	<b>5</b>
<b>Total Acreage at RMS Level</b>		<b>7,885</b>	<b>7,885</b>	<b>5,520</b>	<b>13,405</b>				
Critical Area Planting (ac.) 342		473	591	213	804	4	0	5	0
Fence (ft.) 382		394,250	446,291	223,934	670,225	0	0	0	0
Forage Harvest Management (ac.) 511		7,648	10,881	2,121	13,002	0	2	4	4
Grade Stabilization Structure (no.) 410		99	133	34	168	5	0	0	0
Nutrient Management (ac.) 590		7,648	10,014	2,988	13,002	0	0	3	4
Pasture and Hay Planting (ac.) 512		7,648	9,817	3,186	13,002	1	2	5	5
Pest Management (ac.) 595		7,885	10,251	3,154	13,405	0	0	5	4
Pipeline (ft.) 516		197,125	197,125	137,988	335,113	0	0	2	0
Pond (no.) 378		197	251	84	335	4	2	2	0
Prescribed Grazing (ac.) 528		7,648	10,014	2,988	13,002	2	2	5	4
Riparian Forest Buffer (ac.) 391		237	237	166	402	3	3	4	4
Spring Development (no.) 574		49	49	34	84	1	1	2	0
Stream Crossing (no.) 578		2,464	2,464	1,725	4,189	0	0	0	0
Streambank and Shoreline Protection (ft.) 580		65,051	65,051	45,536	110,587	0	0	4	0
Use Exclusion (ac.) 472		315	410	126	536	2	1	4	4
Waste Utilization (ac.) 633		7,648	7,648	5,354	13,002	0	0	3	4
Windbreak/Shelterbelt Establishment (ft.) 380		73,922	73,922	51,745	125,667	0	1	5	4
CONSERVATION INVESTMENT INFORMATION									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
<b>Progressive System Acres Treated</b>		<b>5913.75</b>							
Critical Area Planting (ac.) 342		118	\$28,160	\$0	\$5,632	\$33,792	\$28,160	\$563	\$30,533
Fence (ft.) 382		97,577	\$71,231	\$0	\$14,246	\$85,477	\$71,231	\$7,123	\$101,236
Forage Harvest Management (ac.) 511		887	\$3,548	\$0	\$710	\$4,258	\$3,548	\$1,064	\$8,032
Grade Stabilization Structure (no.) 410		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		4,435	\$0	\$168,586	\$33,717	\$183,928	\$0	\$56,195	\$86,505
Pasture and Hay Planting (ac.) 512		1,478	\$99,905	\$0	\$19,981	\$119,886	\$99,905	\$3,996	\$116,739
Pest Management (ac.) 595		4,435	\$0	\$283,949	\$56,790	\$309,789	\$0	\$94,650	\$145,699
Pond (no.) 378		37	\$110,883	\$0	\$22,177	\$133,059	\$110,883	\$4,435	\$129,566
Prescribed Grazing (ac.) 528		4,435	\$19,515	\$0	\$3,903	\$23,418	\$19,515	\$0	\$19,515
Use Exclusion (ac.) 472		177	\$444	\$0	\$89	\$532	\$444	\$27	\$556
<b>Subtotal</b>			<b>\$333,687</b>	<b>\$452,535</b>	<b>\$157,244</b>	<b>\$894,141</b>	<b>\$333,687</b>	<b>\$168,054</b>	<b>\$638,380</b>
<b>Resource Management System (RMS) Acres Treated</b>		<b>5519.5</b>							
Critical Area Planting (ac.) 342		213	\$50,688	\$0	\$10,138	\$60,826	\$50,688	\$1,014	\$54,959
Fence (ft.) 382		223,934	\$163,472	\$0	\$32,694	\$196,166	\$163,472	\$16,347	\$232,332
Forage Harvest Management (ac.) 511		2,121	\$8,484	\$0	\$1,697	\$10,181	\$8,484	\$2,545	\$19,206
Grade Stabilization Structure (no.) 410		34	\$175,587	\$0	\$35,117	\$210,704	\$175,587	\$10,535	\$219,965
Nutrient Management (ac.) 590		2,988	\$0	\$113,590	\$22,718	\$123,927	\$0	\$37,863	\$58,285
Pasture and Hay Planting (ac.) 512		3,186	\$215,263	\$0	\$43,053	\$258,315	\$215,263	\$8,611	\$251,533
Pest Management (ac.) 595		3,154	\$0	\$201,919	\$40,384	\$220,295	\$0	\$67,306	\$103,608
Pipeline (ft.) 516		137,988	\$148,337	\$0	\$29,667	\$178,004	\$148,337	\$0	\$148,337
Pond (no.) 378		84	\$251,334	\$0	\$50,267	\$301,601	\$251,334	\$10,053	\$293,683
Prescribed Grazing (ac.) 528		2,988	\$13,149	\$0	\$2,630	\$15,779	\$13,149	\$0	\$13,149
Riparian Forest Buffer (ac.) 391		166	\$26,990	\$0	\$5,398	\$32,388	\$26,990	\$540	\$29,264
Spring Development (no.) 574		34	\$4,451	\$0	\$890	\$5,342	\$4,451	\$267	\$5,576
Stream Crossing (no.) 578		1,725	\$1,612,444	\$0	\$322,489	\$1,934,933	\$1,612,444	\$32,249	\$1,748,288
Streambank and Shoreline Protection (ft.) 580		45,536	\$248,398	\$0	\$49,680	\$298,078	\$248,398	\$9,936	\$290,252
Use Exclusion (ac.) 472		126	\$315	\$0	\$63	\$378	\$315	\$19	\$395
Waste Utilization (ac.) 633		5,354	\$0	\$240,926	\$48,185	\$262,851	\$0	\$80,309	\$123,623
Windbreak/Shelterbelt Establishment (ft.) 380		51,745	\$11,643	\$0	\$2,329	\$13,971	\$11,643	\$466	\$13,604
<b>Subtotal</b>			<b>\$2,930,556</b>	<b>\$556,435</b>	<b>\$697,398</b>	<b>\$4,123,740</b>	<b>\$2,930,556</b>	<b>\$278,060</b>	<b>\$3,606,060</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>11433.25</b>	<b>\$3,264,242</b>	<b>\$1,008,970</b>	<b>\$854,642</b>	<b>\$5,017,881</b>	<b>\$3,264,242</b>	<b>\$446,114</b>	<b>\$4,244,440</b>

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

**Enter Watershed Variables Below**

Watershed Name	<input type="text" value="Bear-Wyaconda Rivers"/>	Watershed Code	<input type="text" value="07110001"/>	<input type="button" value="Help"/>	
Landuse Type	<input type="text" value="Forestland"/>	Landuse Acres	<input type="text" value="190,100"/>	Interest Rate	<input type="text" value="6%"/>
Typical Unit Size (ac)	<input type="text" value="35"/>	Percent TA of FA	<input type="text" value="20%"/>	Cost-Share Rate	<input type="text" value="50%"/>
<i>Estimated Time Frame = 5 years</i>	Participation Rate <small>(Based on Watershed Profile)</small>	<b>COMPARE</b>	<input type="text" value="6%"/>	Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>	<input type="button" value="Next"/>

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	95%	180,595	Baseline	94%	169,759	Baseline	89%	169,759	169,759	0
			Progressive	3%	5,418					
			RMS	3%	5,418					
<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	3%	5,703	Progressive	97%	5,532	Progressive	6%	10,950	5,532	5,418
			RMS	3%	171					
<i>Must Total 100%</i>			<i>100%</i>							
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	2%	3,802	RMS	100%	3,802	RMS	5%	9,391	3,802	5,589
<b>Grand Totals</b>	<b>100%</b>	<b>190,100</b>					<b>100%</b>	<b>190,100</b>	<b>179,093</b>	<b>11,007</b>



# DOCUMENTATION SECTION

<b>PRACTICE FACTOR SHEET</b>								
Only shaded practices are in this analysis.								
Modify the formula for each Base, Prog, RMS to enter feet, no. or acres for each practice factor.								
Please enter appropriate factor for each level of treatment (Baseline, Progressive, & RMS)								
Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name			Help
311	0.0%	x 2.0%	x 4.0%	PERCENT of TU	Alley Cropping (ac.) 311			
314	x 5.0%	x 15.0%	x 50.0%	PERCENT of TU	Brush Management (ac.) 314			
381	0.0%	0.0%	x 28.0%	PERCENT of TU	Silvopasture Establishment 381			
384	0.0%	x 43.0%	x 43.0%	PERCENT of TU	Forest Slash Treatment (ac.) 384			
409	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Prescribed Forestry (ac.) 409			
410	x 1	x 1	x 1	NUMBER per TU	Grade Stabilization Structure (no.) 410			
422	0	0	x 1,320	FEET per TU	Hedgerow Planting (ft.) 422			
560	0	0	x 1,320	FEET per TU	Access Road (ft.) 560			
645	x 100.0%	x 100.0%	x 100.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645			
647	0.0%	0.0%	x 5.0%	PERCENT of TU	Early Successional Habitat Development/Management (ac.) 647			
655	0.0%	x 1.0%	x 1.0%	PERCENT of TU	Forest Trails & Landings (ac.) 655			
666	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Forest Stand Improvement (ac.) 666			
379	0.0%	0.0%	100.0%	PERCENT of TU	Multi-Story Cropping (ac.) 379			
511	100.0%	100.0%	100.0%	PERCENT of TU	Forage Harvest Management (ac.) 511			
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328			
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329			
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344			
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346			
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA			
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plasti			
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443			
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449			
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464			
533	1	1	1	NUMBER per TU	Pumping Plant (no.) 533			

WATERSHED NAME & CODE		BEAR-WYACONDA RIVERS - 07110001			LANDUSE ACRES		190,100		
LANDUSE TYPE		FORESTLAND			TYPICAL UNIT SIZE ACRES		35		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		6%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Water Quantity – Excessive Runoff, Flooding, or Ponding	Plant Condition – Productivity, Health and Vigor	Plant Condition – Wildfire Hazard
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>1</b>	<b>3</b>	<b>2</b>	
<b>Total Acreage at Baseline Level</b>		<b>180,595</b>	<b>169,759</b>	<b>0</b>	<b>169,759</b>				
Brush Management (ac.) 314		9,030	8,488	0	8,488	3	2	3	4
Grade Stabilization Structure (no.) 410		5,160	4,850	0	4,850	5	0	0	0
Upland Wildlife Habitat Management (ac.) 645		180,595	169,759	0	169,759	2	1	4	0
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>3</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at Progressive Level</b>		<b>5,703</b>	<b>5,532</b>	<b>5,418</b>	<b>10,950</b>				
Alley Cropping (ac.) 311		114	111	108	219	1	2	3	0
Brush Management (ac.) 314		855	1,101	542	1,642	3	2	3	4
Forest Slash Treatment (ac.) 384		2,452	2,379	2,330	4,708	0	0	5	5
Forest Stand Improvement (ac.) 666		5,703	5,532	5,418	10,950	3	3	5	3
Forest Trails and Landings (ac.) 655		57	55	54	109	1	0	2	5
Grade Stabilization Structure (no.) 410		163	313	0	313	5	0	0	0
Prescribed Forestry (ac.) 409		5,703	5,532	5,418	10,950	2	2	5	5
Upland Wildlife Habitat Management (ac.) 645		5,703	10,950	0	10,950	2	1	4	0
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>4</b>	<b>3</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at RMS Level</b>		<b>3,802</b>	<b>3,802</b>	<b>5,589</b>	<b>9,391</b>				
Access Road (ft.) 560		143,390	143,390	210,783	354,173	-1	-1	0	4
Alley Cropping (ac.) 311		152	156	220	376	1	2	3	0
Brush Management (ac.) 314		1,901	2,198	2,498	4,695	3	2	3	4
Early Successional Habitat Development/Management (ac.) 647		190	190	279	470	0	0	4	0
Forest Slash Treatment (ac.) 384		1,635	1,708	2,330	4,038	0	0	5	5
Forest Stand Improvement (ac.) 666		3,802	3,973	5,418	9,391	3	3	5	3
Forest Trails and Landings (ac.) 655		38	40	54	94	1	0	2	5
Grade Stabilization Structure (no.) 410		109	268	0	268	5	0	0	0
Hedgerow Planting (ft.) 422		143,390	143,390	210,783	354,173	0	0	3	0
Prescribed Forestry (ac.) 409		3,802	3,973	5,418	9,391	2	2	5	5
Silvopasture Establishment (ac.) 381		1,065	1,065	1,565	2,629	0	2	0	0
Upland Wildlife Habitat Management (ac.) 645		3,802	9,391	0	9,391	2	1	4	0

WATERSHED NAME & CODE		BEAR-WYACONDA RIVERS - 07110001				LANDUSE ACRES		190,100	
LANDUSE TYPE		FORESTLAND				TYPICAL UNIT SIZE ACRES		35	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		6%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
<b>Progressive System Acres Treated</b>		<b>5,418</b>							
Alley Cropping (ac.) 311	108	\$8,127	\$0	\$1,625	\$9,752	\$8,127	\$325	\$9,496	
Brush Management (ac.) 314	542	\$24,025	\$0	\$4,805	\$28,831	\$24,025	\$481	\$26,050	
Forest Slash Treatment (ac.) 384	2,330	\$291,209	\$0	\$58,242	\$349,451	\$291,209	\$0	\$291,209	
Forest Stand Improvement (ac.) 666	5,418	\$242,530	\$0	\$48,506	\$291,036	\$242,530	\$4,851	\$262,963	
Forest Trails and Landings (ac.) 655	54	\$32,278	\$0	\$6,456	\$38,733	\$32,278	\$1,291	\$37,716	
Grade Stabilization Structure (no.) 410	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Prescribed Forestry (ac.) 409	5,418	\$135,446	\$0	\$27,089	\$162,536	\$135,446	\$0	\$135,446	
Upland Wildlife Habitat Management (ac.) 645	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
<b>Subtotal</b>		<b>\$733,616</b>	<b>\$0</b>	<b>\$146,723</b>	<b>\$880,339</b>	<b>\$733,616</b>	<b>\$6,947</b>	<b>\$762,880</b>	
<b>Resource Management System (RMS) Acres Treated</b>		<b>5,589</b>							
Access Road (ft.) 560	210,783	\$526,957	\$0	\$105,391	\$632,349	\$526,957	\$31,617	\$660,141	
Alley Cropping (ac.) 311	220	\$16,510	\$0	\$3,302	\$19,812	\$16,510	\$660	\$19,292	
Brush Management (ac.) 314	2,498	\$110,770	\$0	\$22,154	\$132,924	\$110,770	\$2,215	\$120,102	
Early Successional Habitat Development/Management (ac.) 647	279	\$2,096	\$0	\$419	\$2,515	\$2,096	\$629	\$4,744	
Forest Slash Treatment (ac.) 384	2,330	\$291,209	\$0	\$58,242	\$349,451	\$291,209	\$0	\$291,209	
Forest Stand Improvement (ac.) 666	5,418	\$242,530	\$0	\$48,506	\$291,036	\$242,530	\$4,851	\$262,963	
Forest Trails and Landings (ac.) 655	54	\$32,278	\$0	\$6,456	\$38,733	\$32,278	\$1,291	\$37,716	
Grade Stabilization Structure (no.) 410	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Hedgerow Planting (ft.) 422	210,783	\$15,809	\$0	\$3,162	\$18,970	\$15,809	\$632	\$18,472	
Prescribed Forestry (ac.) 409	5,418	\$135,446	\$0	\$27,089	\$162,536	\$135,446	\$0	\$135,446	
Silvopasture Establishment (ac.) 381	1,565	\$117,368	\$0	\$23,474	\$140,841	\$117,368	\$4,695	\$137,144	
Upland Wildlife Habitat Management (ac.) 645	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
<b>Subtotal</b>		<b>\$1,490,973</b>	<b>\$0</b>	<b>\$298,195</b>	<b>\$1,789,168</b>	<b>\$1,490,973</b>	<b>\$46,591</b>	<b>\$1,687,230</b>	
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>210891.237</b>	<b>\$2,224,589</b>	<b>\$0</b>	<b>\$444,918</b>	<b>\$2,669,506</b>	<b>\$2,224,589</b>	<b>\$53,538</b>	<b>\$2,450,110</b>

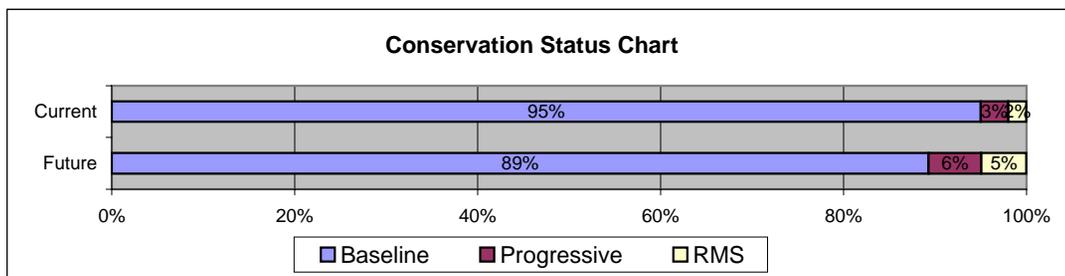


Chart Refers To	
Landuse Type	FORESTLAND
Estimated Participation Rate	6%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$162	\$141
RMS	\$320	\$302

Estimated FTE per Year	0.9
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WATERSHED NAME & CODE		BEAR-WYACONDA RIVERS - 07110001						LANDUSE ACRES			190,100
LANDUSE TYPE		FORESTLAND						TYPICAL UNIT SIZE ACRES			35
POSSIBLE SOURCES OF FUNDING							ESTIMATED PARTICIPATION			6%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
<b>Progressive System Acres Treated</b>		<b>5,418</b>									
Alley Cropping (ac.) 311	108	X	X								
Brush Management (ac.) 314	542	X	X								
Forest Slash Treatment (ac.) 384	2,330	X	X								
Forest Stand Improvement (ac.) 666	5,418	X	X								
Forest Trails and Landings (ac.) 655	54	X									
Grade Stabilization Structure (no.) 410	0	X	X								
Prescribed Forestry (ac.) 409	5,418	X	X								
Upland Wildlife Habitat Management (ac.) 645	0	X	X								
<b>Resource Management System (RMS) Acres Treated</b>		<b>5,589</b>									
Access Road (ft.) 560	210,783	X									
Alley Cropping (ac.) 311	220	X	X								
Brush Management (ac.) 314	2,498	X	X								
Early Successional Habitat Development/Management (ac.) 647	279	X	X								
Forest Slash Treatment (ac.) 384	2,330	X	X								
Forest Stand Improvement (ac.) 666	5,418	X	X								
Forest Trails and Landings (ac.) 655	54	X									
Grade Stabilization Structure (no.) 410	0	X	X								
Hedgerow Planting (ft.) 422	210,783	X									
Prescribed Forestry (ac.) 409	5,418	X	X								
Silvopasture Establishment (ac.) 381	1,565	X	X								
Upland Wildlife Habitat Management (ac.) 645	0	X	X								

WATERSHED NAME & CODE		BEAR-WYACONDA RIVERS - 07110001				LANDUSE ACRES		190,100	
LANDUSE TYPE		FORESTLAND				TYPICAL UNIT SIZE ACRES		35	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		6%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Water Quantity – Excessive Runoff, Flooding, or Ponding	Plant Condition – Productivity, Health and Vigor	Plant Condition – Wildfire Hazard
<b>Baseline System</b>		System Rating ->				4	1	3	2
Total Acreage at Baseline Level		180,595	169,759	0	169,759				
Brush Management (ac.) 314		9,030	8,488	0	8,488	3	2	3	4
Grade Stabilization Structure (no.) 410		5,160	4,850	0	4,850	5	0	0	0
Upland Wildlife Habitat Management (ac.) 645		180,595	169,759	0	169,759	2	1	4	0
<b>Progressive System</b>		System Rating ->				4	3	5	5
Total Acreage at Progressive Level		5,703	5,532	5,418	10,950				
Alley Cropping (ac.) 311		114	111	108	219	1	2	3	0
Brush Management (ac.) 314		855	1,101	542	1,642	3	2	3	4
Forest Slash Treatment (ac.) 384		2,452	2,379	2,330	4,708	0	0	5	5
Forest Stand Improvement (ac.) 666		5,703	5,532	5,418	10,950	3	3	5	3
Forest Trails and Landings (ac.) 655		57	55	54	109	1	0	2	5
Grade Stabilization Structure (no.) 410		163	313	0	313	5	0	0	0
Prescribed Forestry (ac.) 409		5,703	5,532	5,418	10,950	2	2	5	5
Upland Wildlife Habitat Management (ac.) 645		5,703	10,950	0	10,950	2	1	4	0
<b>Resource Management System (RMS)</b>		System Rating ->				4	3	5	5
Total Acreage at RMS Level		3,802	3,802	5,589	9,391				
Access Road (ft.) 560		143,390	143,390	210,783	354,173	-1	-1	0	4
Alley Cropping (ac.) 311		152	156	220	376	1	2	3	0
Brush Management (ac.) 314		1,901	2,198	2,498	4,695	3	2	3	4
Early Successional Habitat Development/Management (ac.) 647		190	190	279	470	0	0	4	0
Forest Slash Treatment (ac.) 384		1,635	1,708	2,330	4,038	0	0	5	5
Forest Stand Improvement (ac.) 666		3,802	3,973	5,418	9,391	3	3	5	3
Forest Trails and Landings (ac.) 655		38	40	54	94	1	0	2	5
Grade Stabilization Structure (no.) 410		109	268	0	268	5	0	0	0
Hedgerow Planting (ft.) 422		143,390	143,390	210,783	354,173	0	0	3	0
Prescribed Forestry (ac.) 409		3,802	3,973	5,418	9,391	2	2	5	5
Silvopasture Establishment (ac.) 381		1,065	1,065	1,565	2,629	0	2	0	0
Upland Wildlife Habitat Management (ac.) 645		3,802	9,391	0	9,391	2	1	4	0
<b>CONSERVATION INVESTMENT INFORMATION</b>									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
<b>Progressive System Acres Treated</b>		<b>5417.85</b>							
Alley Cropping (ac.) 311		108	\$8,127	\$0	\$1,625	\$9,752	\$8,127	\$325	\$9,496
Brush Management (ac.) 314		542	\$24,025	\$0	\$4,805	\$28,831	\$24,025	\$481	\$26,050
Forest Slash Treatment (ac.) 384		2,330	\$291,209	\$0	\$58,242	\$349,451	\$291,209	\$0	\$291,209
Forest Stand Improvement (ac.) 666		5,418	\$242,530	\$0	\$48,506	\$291,036	\$242,530	\$4,851	\$262,963
Forest Trails and Landings (ac.) 655		54	\$32,278	\$0	\$6,456	\$38,733	\$32,278	\$1,291	\$37,716
Grade Stabilization Structure (no.) 410		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescribed Forestry (ac.) 409		5,418	\$135,446	\$0	\$27,089	\$162,536	\$135,446	\$0	\$135,446
Upland Wildlife Habitat Management (ac.) 645		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>			<b>\$733,616</b>	<b>\$0</b>	<b>\$146,723</b>	<b>\$880,339</b>	<b>\$733,616</b>	<b>\$6,947</b>	<b>\$762,880</b>
<b>Resource Management System (RMS) Acres Treated</b>		<b>5588.94</b>							
Access Road (ft.) 560		210,783	\$526,957	\$0	\$105,391	\$632,349	\$526,957	\$31,617	\$660,141
Alley Cropping (ac.) 311		220	\$16,510	\$0	\$3,302	\$19,812	\$16,510	\$660	\$19,292
Brush Management (ac.) 314		2,498	\$110,770	\$0	\$22,154	\$132,924	\$110,770	\$2,215	\$120,102
Early Successional Habitat Development/Management (ac.) 647		279	\$2,096	\$0	\$419	\$2,515	\$2,096	\$629	\$4,744
Forest Slash Treatment (ac.) 384		2,330	\$291,209	\$0	\$58,242	\$349,451	\$291,209	\$0	\$291,209
Forest Stand Improvement (ac.) 666		5,418	\$242,530	\$0	\$48,506	\$291,036	\$242,530	\$4,851	\$262,963
Forest Trails and Landings (ac.) 655		54	\$32,278	\$0	\$6,456	\$38,733	\$32,278	\$1,291	\$37,716
Grade Stabilization Structure (no.) 410		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hedgerow Planting (ft.) 422		210,783	\$15,809	\$0	\$3,162	\$18,970	\$15,809	\$632	\$18,472
Prescribed Forestry (ac.) 409		5,418	\$135,446	\$0	\$27,089	\$162,536	\$135,446	\$0	\$135,446
Silvopasture Establishment (ac.) 381		1,565	\$117,368	\$0	\$23,474	\$140,841	\$117,368	\$4,695	\$137,144
Upland Wildlife Habitat Management (ac.) 645		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>			<b>\$1,490,973</b>	<b>\$0</b>	<b>\$298,195</b>	<b>\$1,789,168</b>	<b>\$1,490,973</b>	<b>\$46,591</b>	<b>\$1,687,230</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>		<b>11006.79</b>	<b>\$2,224,589</b>	<b>\$0</b>	<b>\$444,918</b>	<b>\$2,669,506</b>	<b>\$2,224,589</b>	<b>\$53,538</b>	<b>\$2,450,110</b>

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