

WATERSHED NAME & CODE		MIDDLE CEDAR RIVER - 07080205				LANDUSE ACRES		1,132,289	
LANDUSE TYPE		ROWCROP				TYPICAL UNIT SIZE ACRES		153	
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 Quality – Excessive Nutrients and Organics in Groundwater	Water Quality – Excessive Suspended Sediment and Turbidity
Baseline System		System Rating ->				4	4	0	3
Total Acreage at Baseline Level		656,728	591,055	0	591,055				
Conservation Crop Rotation (ac.) 328		637,026	573,323	0	573,323	4	2	2	2
Critical Area Planting (ac.) 342		6,567	5,911	0	5,911	5	5	1	4
Residue and Tillage Management, Mulch Till (ac.) 345		6,567	5,911	0	5,911	1	0	0	1
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		45,971	41,374	0	41,374	4	2	-1	4
Residue Management, Seasonal (ac.) 344		137,913	124,122	0	124,122	2	1	-1	1
Progressive System		System Rating ->				4	5	4	4
Total Acreage at Progressive Level		418,947	398,000	65,673	463,672				
Contour Farming (ac.) 330		20,947	19,900	3,284	23,184	3	1	0	3
Critical Area Planting (ac.) 342		4,189	4,637	0	4,637	5	5	1	4
Field Border (ft.) 386		273,822	260,130	42,923	303,054	4	3	2	2
Filter Strip (ac.) 393		4,189	3,980	657	4,637	0	0	3	4
Grassed Waterway (ac.) 412		4,189	3,980	657	4,637	0	5	0	2
Nutrient Management (ac.) 590		268,126	254,720	42,031	296,750	0	0	5	0
Pest Management (ac.) 595		268,126	254,720	42,031	296,750	0	0	0	2
Residue and Tillage Management, Mulch Till (ac.) 345		62,842	60,357	9,194	69,551	1	0	0	1
Residue Management, Seasonal (ac.) 344		50,274	55,641	0	55,641	2	1	-1	1
Subsurface Drain (ft.) 606		262,869	249,725	41,206	290,932	4	4	1	2
Resource Management System (RMS)		System Rating ->				5	5	4	5
Total Acreage at RMS Level		56,614	56,614	20,947	77,562				
Conservation Cover (ac.) 327		2,831	2,831	1,047	3,878	5	2	2	3
Contour Buffer Strips (ac.) 332		1,132	1,132	419	1,551	4	1	-1	3
Contour Farming (ac.) 330		5,661	6,709	1,047	7,756	3	1	0	3
Field Border (ft.) 386		55,504	69,195	6,846	76,041	4	3	2	2
Filter Strip (ac.) 393		1,132	1,342	209	1,551	0	0	3	4
Grade Stabilization Structure (no.) 410		370	370	137	507	0	0	0	2
Grassed Waterway (ac.) 412		566	776	0	776	0	5	0	2
Nutrient Management (ac.) 590		51,519	64,925	5,656	70,581	0	0	5	0
Pest Management (ac.) 595		51,519	64,925	5,656	70,581	0	0	0	2
Residue and Tillage Management, Mulch Till (ac.) 345		9,624	12,767	419	13,186	1	0	0	1
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		39,630	39,630	14,663	54,293	4	2	-1	4
Subsurface Drain (ft.) 606		55,504	68,648	7,393	76,041	4	4	1	2
Terrace (ft.) 600		222,017	222,017	82,146	304,164	3	5	-1	3
Upland Wildlife Habitat Management (ac.) 645		12,455	12,455	4,608	17,064	3	3	0	2
Wetland Restoration (ac.) 657		566	566	209	776	0	0	4	3
Wetland Wildlife Habitat Management (ac.) 644		1,132	1,132	419	1,551	0	0	0	3
Windbreak/Shelterbreak Establishment (ft.) 380		17,761	17,761	6,572	24,333	0	0	1	2
CONSERVATION INVESTMENT INFORMATION									
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		65672.762							
Contour Farming (ac.) 330		3,284	\$0	\$49,255	\$9,851	\$53,737	\$0	\$16,418	\$25,273
Critical Area Planting (ac.) 342		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Field Border (ft.) 386		42,923	\$858	\$0	\$172	\$1,030	\$858	\$17	\$931
Filter Strip (ac.) 393		657	\$62,389	\$0	\$12,478	\$74,867	\$62,389	\$2,496	\$72,901
Grassed Waterway (ac.) 412		657	\$78,807	\$0	\$15,761	\$94,569	\$78,807	\$3,152	\$92,086
Nutrient Management (ac.) 590		42,031	\$0	\$1,891,376	\$378,275	\$2,063,498	\$0	\$630,459	\$970,497
Pest Management (ac.) 595		42,031	\$0	\$2,521,834	\$504,367	\$2,751,331	\$0	\$840,611	\$1,293,997
Residue and Tillage Management, Mulch Till (ac.) 345		9,194	\$0	\$551,651	\$110,330	\$601,854	\$0	\$183,884	\$283,062
Residue Management, Seasonal (ac.) 344		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subsurface Drain (ft.) 606		41,206	\$144,223	\$0	\$28,845	\$173,067	\$144,223	\$2,884	\$156,373
Subtotal		20947.3465	\$286,277	\$5,014,115	\$1,060,079	\$5,813,953	\$286,277	\$1,679,921	\$2,895,120
Resource Management System (RMS) Acres Treated		20947.3465							
Conservation Cover (ac.) 327		1,047	\$52,368	\$0	\$10,474	\$62,842	\$52,368	\$3,142	\$65,604
Contour Buffer Strips (ac.) 332		419	\$18,853	\$0	\$3,771	\$22,623	\$18,853	\$1,131	\$23,617
Contour Farming (ac.) 330		1,047	\$0	\$15,711	\$3,142	\$17,140	\$0	\$5,237	\$8,061
Field Border (ft.) 386		6,846	\$137	\$0	\$27	\$164	\$137	\$3	\$148
Filter Strip (ac.) 393		209	\$19,900	\$0	\$3,980	\$23,880	\$19,900	\$796	\$23,253
Grade Stabilization Structure (no.) 410		137	\$561,334	\$0	\$112,267	\$673,601	\$561,334	\$11,227	\$608,625
Grassed Waterway (ac.) 412		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nutrient Management (ac.) 590		5,656	\$0	\$254,510	\$50,902	\$277,672	\$0	\$84,837	\$130,594
Pest Management (ac.) 595		5,656	\$0	\$339,347	\$67,869	\$370,229	\$0	\$113,116	\$174,125
Residue and Tillage Management, Mulch Till (ac.) 345		419	\$0	\$25,137	\$5,027	\$27,424	\$0	\$8,379	\$12,898
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		14,663	\$0	\$1,319,683	\$263,937	\$1,439,779	\$0	\$439,894	\$677,152
Subsurface Drain (ft.) 606		7,393	\$25,876	\$0	\$5,175	\$31,051	\$25,876	\$518	\$28,056
Terrace (ft.) 600		82,146	\$61,610	\$0	\$12,322	\$73,932	\$61,610	\$3,697	\$77,181
Upland Wildlife Habitat Management (ac.) 645		4,608	\$0	\$138,252	\$27,650	\$150,834	\$0	\$46,084	\$70,940
Wetland Restoration (ac.) 657		209	\$31,421	\$0	\$6,284	\$37,705	\$31,421	\$628	\$34,068
Wetland Wildlife Habitat Management (ac.) 644		419	\$0	\$12,568	\$2,514	\$13,712	\$0	\$4,189	\$6,449
Windbreak/Shelterbreak Establishment (ft.) 380		6,572	\$2,234	\$0	\$447	\$2,681	\$2,234	\$45	\$2,423
Subtotal		86620.1085	\$773,733	\$2,105,208	\$575,788	\$3,225,271	\$773,733	\$722,922	\$1,943,315
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		86620.1085	\$1,060,011	\$7,119,324	\$1,635,867	\$9,039,223	\$1,060,011	\$2,402,843	\$4,838,315

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