

WATERSHED NAME & CODE		COPPERAS-DUCK - 07080101				LANDUSE ACRES		313,047	
LANDUSE TYPE		ROW CROP				TYPICAL UNIT SIZE ACRES		256	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		15%	
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 Condition – Contaminants: Animal Waste and Other Organics –	Water Quality – Excessive Nutrients and Organics in Surface Water	Water Quality – Excessive Suspended Sediment and Turbidity
Baseline System		System Rating ->				4	2	3	3
Total Acreage at Baseline Level		140,871	102,836	0	102,836				
Conservation Crop Rotation (ac.) 328		138,054	100,779	0	100,779	4	4	2	2
Contour Farming (ac.) 330		28,879	21,081	0	21,081	3	0	3	3
Critical Area Planting (ac.) 342		2,817	2,057	0	2,057	5	0	2	4
Field Border (ft.) 386		577,792	421,788	0	421,788	4	2	2	2
Residue and Tillage Management, Mulch Till (ac.) 345		133,828	97,694	0	97,694	1	0	0	1
Progressive System		System Rating ->				5	4	4	5
Total Acreage at Progressive Level		156,524	148,697	35,218	183,915				
Conservation Cover (ac.) 327		157	149	35	184	5	4	2	3
Conservation Crop Rotation (ac.) 328		151,045	177,478	0	177,478	4	4	2	2
Contour Buffer Strips (ac.) 332		626	595	141	736	4	0	3	3
Contour Farming (ac.) 330		94,384	96,884	14,017	110,901	3	0	3	3
Critical Area Planting (ac.) 342		3,757	4,273	141	4,414	5	0	2	4
Field Border (ft.) 386		1,361,632	1,437,999	161,919	1,599,918	4	2	2	2
Filter Strip (ac.) 393		939	892	211	1,103	0	2	4	4
Pasture & Hayland Planting (ac.) 512		5,791	5,502	1,303	6,805	4	4	2	2
Residue and Tillage Management, Mulch Till (ac.) 345		30,679	36,047	0	36,047	1	0	0	1
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		115,358	109,590	25,956	135,545	4	0	2	4
Resource Management System (RMS)		System Rating ->				5	5	4	5
Total Acreage at RMS Level		15,652	15,652	10,644	26,296				
Conservation Cover (ac.) 327		16	23	3	26	5	4	2	3
Conservation Crop Rotation (ac.) 328		14,745	24,771	0	24,771	4	4	2	2
Contour Buffer Strips (ac.) 332		31	47	6	53	4	0	3	3
Contour Farming (ac.) 330		9,360	14,618	1,107	15,725	3	0	3	3
Field Border (ft.) 386		141,483	221,120	16,571	237,691	4	2	2	2
Filter Strip (ac.) 393		172	219	70	289	0	2	4	4
Grassed Waterway (ac.) 412		501	501	341	841	0	1	2	2
Nutrient Management (ac.) 590		14,651	14,651	9,962	24,613	0	4	5	0
Pasture & Hayland Planting (ac.) 512		610	900	126	1,026	4	4	2	2
Pest Management (ac.) 595		14,651	14,651	9,962	24,613	0	0	0	2
Residue and Tillage Management, Mulch Till (ac.) 345		125	210	0	210	1	0	0	1
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		14,134	19,902	3,843	23,745	4	0	2	4
Terrace (ft.) 600		161,537	161,537	109,845	271,382	3	0	2	3
Underground Outlet (ft.) 620		72,698	72,698	49,435	122,132	4	0	-2	2
Water & Sediment Control Basin (no.) 638		61	61	42	103	0	0	2	4
Wetland Restoration (ac.) 657		94	94	64	158	0	1	3	3
Windbreak/Shelterbreak Establishment (ft.) 380		79,607	79,607	54,133	133,740	0	2	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		35217.7875							
Conservation Cover (ac.) 327		35	\$2,870	\$0	\$574	\$3,444	\$2,870	\$172	\$3,596
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Buffer Strips (ac.) 332		141	\$8,593	\$0	\$1,719	\$10,312	\$8,593	\$516	\$10,765
Contour Farming (ac.) 330		14,017	\$0	\$420,500	\$84,100	\$458,768	\$0	\$140,167	\$215,766
Critical Area Planting (ac.) 342		141	\$24,864	\$0	\$4,973	\$29,837	\$24,864	\$2,486	\$35,337
Field Border (ft.) 386		161,919	\$28,336	\$0	\$5,667	\$34,003	\$28,336	\$567	\$30,723
Filter Strip (ac.) 393		211	\$422,613	\$0	\$84,523	\$507,136	\$422,613	\$16,905	\$493,822
Pasture & Hayland Planting (ac.) 512		1,303	\$87,956	\$0	\$17,591	\$105,548	\$87,956	\$1,759	\$95,367
Residue and Tillage Management, Mulch Till (ac.) 345		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		25,956	\$0	\$778,665	\$155,733	\$849,527	\$0	\$259,555	\$399,547
Subtotal		10643.598	\$575,233	\$1,199,166	\$354,880	\$1,998,574	\$575,233	\$422,126	\$1,284,922
Resource Management System (RMS) Acres Treated		10643.598							
Conservation Cover (ac.) 327		3	\$230	\$0	\$46	\$276	\$230	\$14	\$288
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Buffer Strips (ac.) 332		6	\$344	\$0	\$69	\$412	\$344	\$21	\$431
Contour Farming (ac.) 330		1,107	\$0	\$33,217	\$6,643	\$36,240	\$0	\$11,072	\$17,044
Field Border (ft.) 386		16,571	\$2,900	\$0	\$580	\$3,480	\$2,900	\$58	\$3,144
Filter Strip (ac.) 393		70	\$140,245	\$0	\$28,049	\$168,294	\$140,245	\$5,610	\$163,876
Grassed Waterway (ac.) 412		341	\$204,357	\$0	\$40,871	\$245,228	\$204,357	\$8,174	\$238,790
Nutrient Management (ac.) 590		9,962	\$0	\$388,534	\$77,707	\$423,892	\$0	\$129,511	\$199,363
Pasture & Hayland Planting (ac.) 512		126	\$8,473	\$0	\$1,695	\$10,168	\$8,473	\$169	\$9,187
Pest Management (ac.) 595		9,962	\$0	\$119,549	\$23,910	\$130,428	\$0	\$39,850	\$61,343
Residue and Tillage Management, Mulch Till (ac.) 345		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		3,843	\$0	\$115,298	\$23,060	\$125,791	\$0	\$38,433	\$59,162
Terrace (ft.) 600		109,845	\$164,768	\$0	\$32,954	\$197,721	\$164,768	\$9,886	\$206,412
Underground Outlet (ft.) 620		49,435	\$148,304	\$0	\$29,661	\$177,964	\$148,304	\$2,966	\$160,798
Water & Sediment Control Basin (no.) 638		42	\$83,153	\$0	\$16,631	\$99,784	\$83,153	\$4,989	\$104,169
Wetland Restoration (ac.) 657		64	\$43,107	\$0	\$8,621	\$51,728	\$43,107	\$862	\$46,738
Windbreak/Shelterbreak Establishment (ft.) 380		54,133	\$40,600	\$0	\$8,120	\$48,719	\$40,600	\$812	\$44,020
Subtotal		45861.3855	\$1,411,712	\$1,855,764	\$653,495	\$3,718,701	\$1,411,712	\$674,554	\$2,599,686
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		45861.3855	\$1,411,712	\$1,855,764	\$653,495	\$3,718,701	\$1,411,712	\$674,554	\$2,599,686

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