

WATERSHED NAME & CODE		COON-YELLOW - 07040001			
LANDUSE TYPE		CROPLAND			
ASSESSMENT INFORMATION					
CONSERVATION SYSTEMS BY TREATMENT LEVELS	CURRENT CONDITIONS	FUTURE CONDITIONS			
	Total Units	Existing Unchanged Units	New Treatment Units	Total Units	
<b>Baseline System</b>		<b>System Rating -&gt;</b>			
<b>Total Acreage at Baseline Level</b>		<b>31,694</b>	<b>15,847</b>	<b>0</b>	<b>15,847</b>
Conservation Crop Rotation (ac.) 328		15,847	7,924	0	7,924
Contour Farming (ac.) 330		12,678	6,339	0	6,339
Stripcropping (ac.) 585		11,093	5,547	0	5,547
<b>Progressive System</b>		<b>System Rating -&gt;</b>			
<b>Total Acreage at Progressive Level</b>		<b>269,403</b>	<b>228,993</b>	<b>15,847</b>	<b>244,840</b>
Conservation Crop Rotation (ac.) 328		202,052	179,668	3,962	183,630
Contour Farming (ac.) 330		148,172	132,285	2,377	134,662
Critical Area Planting (ac.) 342		5,388	4,580	317	4,897
Grade Stabilization Structure (no.) 410		2,694	2,290	158	2,448
Grassed Waterway (ac.) 412		10,776	9,160	634	9,794
Nutrient Management (ac.) 590		26,940	22,899	1,585	24,484
Residue and Tillage Management, Mulch Till (ac.) 345		107,761	91,597	6,339	97,936
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		107,761	91,597	6,339	97,936
Stripcropping (ac.) 585		121,231	108,593	1,585	110,178
Terrace (ft.) 600		60,616	51,523	3,566	55,089
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			
<b>Total Acreage at RMS Level</b>		<b>15,847</b>	<b>15,847</b>	<b>40,410</b>	<b>56,258</b>
Access Road (ft.) 560		19,809	19,809	50,513	70,322
Conservation Cover (ac.) 327		951	951	2,425	3,375
Conservation Crop Rotation (ac.) 328		14,263	44,570	6,062	50,632
Contour Buffer Strips (ac.) 332		1,109	1,109	2,829	3,938
Contour Farming (ac.) 330		11,093	33,319	6,062	39,380
Critical Area Planting (ac.) 342		475	1,284	404	1,688
Grade Stabilization Structure (no.) 410		198	602	101	703
Grassed Waterway (ac.) 412		792	2,409	404	2,813
Lined Waterway or Outlet (ft.) 468		3,962	3,962	10,103	14,064
Nutrient Management (ac.) 590		15,847	19,888	36,369	56,258
Residue and Tillage Management, Mulch Till (ac.) 345		7,924	24,088	4,041	28,129
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		7,924	24,088	4,041	28,129
Stream Crossing 578		3,962	3,962	10,103	14,064
Streambank & Shoreline Protection (ft.) 580		17,828	17,828	45,462	63,290
Stripcropping (ac.) 585		9,508	27,693	6,062	33,755
Terrace (ft.) 600		5,547	14,639	5,051	19,690
Upland Wildlife Habitat Management (ac.) 645		792	792	2,021	2,813

CONSERVATION INVESTMENT INFORMATION				
CONSERVATION SYSTEMS BY TREATMENT LEVELS	FUTURE	USDA INVESTMENT		
	New Treatment Units	Installation Cost	Management Cost - 3 yrs	Technical Assistance
		50%	100%	20%
<b>Progressive System Acres Treated</b>	<b>15847.245</b>			
Conservation Crop Rotation (ac.) 328	3,962	\$0	\$178,282	\$35,656
Contour Farming (ac.) 330	2,377	\$0	\$342,300	\$68,460
Critical Area Planting (ac.) 342	317	\$80,187	\$0	\$16,037
Grade Stabilization Structure (no.) 410	158	\$784,439	\$0	\$156,888
Grassed Waterway (ac.) 412	634	\$1,933,364	\$0	\$386,673
Nutrient Management (ac.) 590	1,585	\$0	\$49,919	\$9,984
Residue and Tillage Management, Mulch Till (ac.) 345	6,339	\$0	\$380,334	\$76,067
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329	6,339	\$0	\$638,961	\$127,792
Stripcropping (ac.) 585	1,585	\$41,995	\$0	\$8,399
Terrace (ft.) 600	3,566	\$7,577	\$0	\$1,515
	<b>Subtotal</b>	<b>\$2,847,562</b>	<b>\$1,589,796</b>	<b>\$887,471</b>
<b>Resource Management System (RMS) Acres Treated</b>	<b>40410.47475</b>			
Access Road (ft.) 560	50,513	\$214,681	\$0	\$42,936
Conservation Cover (ac.) 327	2,425	\$230,340	\$0	\$46,068
Conservation Crop Rotation (ac.) 328	6,062	\$0	\$272,771	\$54,554
Contour Buffer Strips (ac.) 332	2,829	\$127,293	\$0	\$25,459
Contour Farming (ac.) 330	6,062	\$0	\$872,866	\$174,573
Critical Area Planting (ac.) 342	404	\$102,239	\$0	\$20,448
Grade Stabilization Structure (no.) 410	101	\$500,080	\$0	\$100,016
Grassed Waterway (ac.) 412	404	\$1,232,519	\$0	\$246,504
Lined Waterway or Outlet (ft.) 468	10,103	\$181,847	\$0	\$36,369
Nutrient Management (ac.) 590	36,369	\$0	\$1,145,637	\$229,127
Residue and Tillage Management, Mulch Till (ac.) 345	4,041	\$0	\$242,463	\$48,493
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329	4,041	\$0	\$407,338	\$81,468
Stream Crossing 578	10,103	\$252,565	\$0	\$50,513
Streambank & Shoreline Protection (ft.) 580	45,462	\$886,505	\$0	\$177,301
Stripcropping (ac.) 585	6,062	\$160,632	\$0	\$32,126
Terrace (ft.) 600	5,051	\$10,734	\$0	\$2,147
Upland Wildlife Habitat Management (ac.) 645	2,021	\$0	\$60,616	\$12,123
	<b>Subtotal</b>	<b>\$3,899,434</b>	<b>\$3,001,690</b>	<b>\$1,380,225</b>
<b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b>	<b>56257.71975</b>	<b>\$6,746,996</b>	<b>\$4,591,486</b>	<b>\$2,267,696</b>

<b>LANDUSE ACRES</b>		<b>316,945</b>	
<b>TYPICAL UNIT SIZE ACRES</b>		<b>40</b>	
<b>ESTIMATED PARTICIPATION</b>		<b>19%</b>	
<b>RESOURCE CONCERNS</b>			
<b>Soil Erosion – Sheet and Rill</b>	<b>Soil Erosion – Ephemeral Gully</b>	<b>Water Quality – Excessive Nutrients and Organics in Surface Water</b>	<b>Water Quality – Excessive Suspended Sediment and Turbidity in Surface Water</b>
<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>
3	3	2	2
3	3	3	3
4	2	1	2
<b>5</b>	<b>5</b>	<b>5</b>	<b>4</b>
3	3	2	2
3	3	3	3
5	5	3	1
0	4	0	3
0	5	2	4
1	1	5	0
4	2	3	3
5	3	3	3
4	2	1	2
-1	-1	2	2
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
1	3	0	1
5	5	3	3
3	3	2	2
4	3	3	3
3	3	3	3
5	5	3	1
0	4	0	3
0	5	2	4
0	2	0	0
1	1	5	0
4	2	3	3
5	3	3	3
0	3	-1	3
0	2	1	4
4	2	1	2
-1	-1	2	2
0	0	0	0

PRIVATE INVESTMENT			
Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
\$194,506	\$0	\$59,427	\$91,479
\$373,451	\$0	\$114,100	\$175,640
\$96,224	\$80,187	\$8,019	\$113,965
\$941,326	\$784,439	\$15,689	\$850,525
\$2,320,037	\$1,933,364	\$77,335	\$2,259,125
\$54,462	\$0	\$16,640	\$25,614
\$414,946	\$0	\$126,778	\$195,156
\$697,109	\$0	\$212,987	\$327,862
\$50,394	\$41,995	\$0	\$41,995
\$9,092	\$7,577	\$455	\$9,492
<b>\$5,151,547</b>	<b>\$2,847,562</b>	<b>\$631,429</b>	<b>\$4,090,854</b>
\$257,617	\$214,681	\$12,881	\$268,939
\$276,408	\$230,340	\$13,820	\$288,556
\$297,594	\$0	\$90,924	\$139,963
\$152,752	\$127,293	\$7,638	\$159,465
\$952,301	\$0	\$290,955	\$447,883
\$122,686	\$102,239	\$10,224	\$145,305
\$600,096	\$500,080	\$10,002	\$542,210
\$1,479,023	\$1,232,519	\$49,301	\$1,440,192
\$218,217	\$181,847	\$7,274	\$212,487
\$1,249,894	\$0	\$381,879	\$587,846
\$264,528	\$0	\$80,821	\$124,412
\$444,407	\$0	\$135,779	\$209,012
\$303,079	\$252,565	\$5,051	\$273,843
\$1,063,806	\$886,505	\$35,460	\$1,035,876
\$192,758	\$160,632	\$0	\$160,632
\$12,881	\$10,734	\$644	\$13,447
\$66,132	\$0	\$20,205	\$31,103
<b>\$7,954,177</b>	<b>\$3,899,434</b>	<b>\$1,152,858</b>	<b>\$6,081,173</b>
<b>\$13,105,724</b>	<b>\$6,746,996</b>	<b>\$1,784,286</b>	<b>\$10,172,027</b>