APPENDIX D

BCS Computations for Anne Arundel County Subwatersheds

	Subwatershed UPN1							
Metric	Computation Value	Individual Metric Score	Metric Group Score	Quality Rating	Notes			
WQ1	0.01	4						
WQ2	0.004	1	5	Fair				
LR1	Very Poor	30						
LR2	None	10						
LR3	Present	1						
LR4	Very Poor	30	71	Very Poor	No water = no fish = very poor			
HC1	0.3	21			2200 / 7387			
HC2	5.4	7			3 /.56			
HC3	0.09	3			1300 / 14774			
HC4	<0.1	3			shallow crossing			
HC5	Partially supporting	21						
HC6	<0.1	2	57	Fair				
LC1	20%	21						
LC2	5.38	10			3/.56			
LC3	<.006	1			estimated by eye			
LC4	20%	14			No change over current			
LC5	65%	2			235/357			
LC6	2%	20			6/357			
LC7	0%	2	70	Fair	no ag			
HY1	None	2						
HY2	Marginal	7	9	Fair				
TOTAL		212	Overall BCS	Fair				

	Subwatershed UPN7							
Metric	Computation Value	Individual Metric Score	Metric Group Score	Quality Rating	Notes			
WQ1	0.01	1						
WQ2	0.001	1	2	Good				
LR1	Very Poor	30						
LR2	None	10						
LR3	Present	1						
LR4	Good by default	3	44	Poor	all first order, Good HC group score			
HC1	none	3						
HC2	none	1						
HC3	none	3						
HC4	none	3			at road crossing			
HC5	Partially Supporting	21						
HC6	none	2	33	Good				
LC1	<10%	2						
LC2	none	1						
LC3	<.006	2			estimated by eye			
LC4	<10%	2						
LC5	100%	2						
LC6	100%	2						
LC7	0%	2	13	Good				
HY1	0%	2						
HY2	Marginal	7	9	Fair				
TOTAL		101	Overall BCS	Fair				

	Subwatershed UPS1							
Metric	Computation Value	Individual Metric Score	Metric Group Score	Quality Rating	Notes			
WQ1	1.14	10						
WQ2	0.004	1	11	Fair				
LR1	Poor	21						
LR2	none	10						
LR3	None	10						
LR4	Very Poor	30	71	Very Poor				
HC1	0.34	30			11600/35161			
HC2	6.5	7						
HC3	0	3			No problems moderate or greater.			
HC4	0.44	30			15481/35161			
HC5	Non supporting	30			At break between high and moderate.			
HC6	0.01	2	102	Poor	300/35161			
LC1	11%	12						
LC2	1.94	4			3/1.54			
LC3	0.003	2			46743/18332963, Poor data			
LC4	13.50%	8						
LC5	none	20						
LC6	10.40%	20			103/988			
LC7	30%	12	78	Poor				
HY1	none	2						
HY2	Poor	10	12	Fair				
TOTAL		274	Overall BCS	Poor				

	Subwatershed UPS3							
Metric	Computation Value	Individual Metric Score	Metric Group Score	Quality Rating	Notes			
WQ1	0.24	4						
WQ2	0.0023	1	5	Fair				
LR1	Fair	12						
LR2	0 reaches	10						
LR3	1 area	1						
LR4	Very Poor	10	33	Fair				
HC1	0.12	12						
HC2	none	1						
HC3	none	3						
HC4	none	3						
HC5	Partially Supporting	21						
HC6	none	2	42	Fair				
LC1	4.3% IC	2						
LC2	7.1	10						
LC3	0.0025	10						
LC4	all RA, current imperv 5%	1						
LC5	57.3	1						
LC6	44%	8						
LC7	21%	8	40	Fair				
HY1	0	2						
HY2	12.4	4	6	Good				
TOTAL		126	Overall BCS	Fair				

	Subwatershed UPS4							
Metric	Computation Value	Individual Metric Score	Metric Group Score	Quality Rating	Notes			
WQ1	0.195	4						
WQ2	0.0075	4	8	Fair				
LR1	Very Poor	30						
LR2	No anad.fish	10						
LR3	1	1						
LR4	Very Poor	10	51	Poor				
HC1	0.17	12			5000 feet erosion / 29145 feet stream			
HC2	0.49	1						
HC3	0.31	30			18400 feet / 58290 feet stream (both banks)			
HC4	0.86	30			26645 feet hab lost / 29145 feet available			
HC5	Partially supporting	21						
HC6	0.08	2	96	Poor	2200 feet / 29145			
LC1	1.8% imperv	3						
LC2	4.55	10			9 crossings / 1.98 sq mi			
LC3	0.004	4			43770 /10873958			
LC4	5% imperv.	1						
LC5	6.50%	10						
LC6	14%	20			176 acres / 1266 acres			
LC7	54%	20	68	Fair				
HY1	0	1			no dev land in FP			
HY2	Marginal	7	8	Fair				
TOTAL		231	Overall BCS	Poor				

	Subwatershed UPS6								
Metric	Computation Value	Individual Metric Score	Metric Group Score	Quality Rating	Notes				
WQ1	1.03	10							
WQ2	0.008	4	14	Poor					
LR1	Poor	21							
LR2	No useage	10							
LR3	none	10							
LR4	Very Poor	10	51	Poor					
HC1	0.41	30			5400 / 13312				
HC2	2.15	4			2/.93				
HC3	0.1	12			2700/26624				
HC4	1	30			DNR (2002b) indicates a major blockage 75 m ds of watershed				
HC5	Partially Supporting	21							
HC6	none	2	99	Poor					
LC1	2%	2			Estimated from corrected land use. Had to create forest coverage				
LC2	3.19	10			3/.94				
LC3	0.007	4			36526 / 5248218				
LC4	5%	1							
LC5	0%	10							
LC6	0%	20							
LC7	56%	20	67	Fair					
HY1	0%	2							
HY2	Suboptimal	4	6	Good					
TOTAL		237	Overall BCS	Poor					

	Subwatershed UPS9							
Metric	Computation Value	Individual Metric Score	Metric Group Score	Quality Rating	Notes			
WQ1	0.375	7						
WQ2	0.0486	10	17	Poor				
LR1	Poor	21						
LR2	0%	10						
LR3	none	10						
LR4	ND	3	44	Poor	ND = HC group score			
HC1	0.09	1			14800 / 164179			
HC2	0.31	1			2 / 6.41			
HC3	0.01	1			4700 / 328358			
HC4	0.1	3			16494 / 164179			
HC5	Partially Supporting	21						
HC6	<0.1	2	29	Good	none rated >= moderate			
LC1	1.40%	2						
LC2	2.65	7			17 / 6.41			
LC3	0.005	1						
LC4	<10%	1						
LC5	24%	4			1.51 / 6.41			
LC6	24%	12						
LC7	38%	20	47	Fair				
HY1	3.80%	8			8.57/227.5			
HY2	Marginal	7	15	Fair				
TOTAL		152	Overall BCS	Fair				

	Subwatershed UPS10							
Metric	Computation Value	Individual Metric Score	Metric Group Score	Quality Rating	Notes			
WQ1	0.83	10						
WQ2	0.007	4	14	Poor				
LR1	Poor	21						
LR2	None	10			Large pond inline ds of ws boundary.			
LR3	1	1			One present			
LR4	Very Poor	10	42	Poor				
HC1	0.16	12			1700/10456			
HC2	10	7			5/.49			
HC3	0	3			None are moderate or greater in severity.			
HC4	>.3	30			Large pond inline ds of ws boundary.			
HC5	Non supporting	30			,			
HC6	0	2	84	Poor	None meeting criteria.			
LC1	13%	8						
LC2	8.69	10			4/.46			
LC3	0.007	4			31034/4332714			
LC4	15%	4						
LC5	17%	7			55/315			
LC6	<30%	20						
LC7	22%	8	61	Fair				
HY1	4.60%	8			Road crossings only			
HY2	Marginal	7	15	Fair	,			
TOTAL		216	Overall BCS	Fair				

	Subwatershed UPS11							
Metric	Computation Value	Individual Metric Score	Metric Group Score	Quality Rating	Notes			
WQ1	0.27	4						
WQ2	0.005	4	8	Fair				
LR1	Very Poor	30						
LR2	None	10						
LR3	Yes	1						
LR4	Very Poor	10	51	Poor				
HC1	0	3			None meet criteria of metric.			
HC2	10 per sq mi	7			2/.20			
HC3	0	3			None meet criteria of metric.			
HC4	0.55	30			2833/5123			
HC5	Non Supporting	30						
HC6	0	2	75	Fair	None observed			
LC1	15%	8						
LC2	5	10			1/.2			
LC3	0.008	4			17655/2359744			
LC4	17%	4						
LC5	69.00%	1						
LC6	0%	20						
LC7	7%	2	49	Fair				
HY1	0	2						
HY2	Marginal	7	9	Fair				
TOTAL		192	Overall BCS	Fair				