

**North Carolina Wetlands Restoration Program  
Upper Rocky River/Clarke Creek Local Watershed Plan  
Subwatershed Ranking Criteria**

Category	Item	Parameter	Units	Score				
				1	2	3	4	5
<b>Current Natural Resources and Habitat Value</b>	1	Natural Resource Sites	#	No sites		Downstream		Onsite
	2	Existing Wetlands	acres	0-50	51-100	101-150	151-200	>200
	3	Catawba Lands Conservancy <i>Existing Sites</i>	#	0		1		>1
		<i>Proposed Sites</i>	#	0		1		>1
	4	Water Supply Wells	gallons	< 25k	26k - 50k	51k - 75k	76k - 100k	> 100k
<b>Current Watershed Health</b>	5	Existing Impervious Cover	%	0 - 5%	6% - 10%	11% - 15%	16% - 25%	> 25%
	6	Floodplain Development	\$	0 - \$250k	\$250k - \$500k	\$500k - \$750k	\$750k - \$1M	> \$1M
	7	Buffer Deforestation	%	0 - 10%	11 - 25%	26% - 45%	46% - 65%	> 65%
	8	Buffer Impervious	%	0	1% - 2%	3% - 4%	5% - 6%	> 6%
	9	Wetland Disturbance	%	0 - 20%	21% - 40%	41% - 60%	61% - 80%	> 80%
	10	Erosion Potential - Pre-development to Existing Land Use	-	Slight		Moderate		Excessive
	11	Rosgen Level I Scores	-	Excellent	Good	Medium	Fair	Poor
	12	303(d) Listed Stream	-	No	Low	Medium	High	TMDL
	13	Nonpoint Source Pollution Loadings - Current Land Use						
		<i>Total Suspended Solids (TSS)</i>	tons/year	0 - 50	51 - 100	101 - 150	151 - 200	> 200
		<i>Total Nitrogen (TN)</i>	lbs/acre	< 3.7	3.8 - 5	5.1 - 7	7.1 - 9	> 9
		<i>Total Phosphorus (TP)</i>	mg/l	< 0.01	0.01 - 0.035	0.035 - 0.065	0.065 - 0.1	> 0.1
		<i>Copper (Cu)</i>	mg/l	< 0.0035		0.0035 - 0.01		> 0.01
	14	Wastewater Management Systems	-	Municipal WWTP	Municipal/Package	Package WWTP	Package/Onsite	Onsite septic
	15	Wastewater Discharge/Overflows	gallons	0 - 500	501 - 1,000	1,001 - 5,000	5,001 - 10,000	> 10,000
<b>Future Risk to Watershed Functions</b>	16	Future Impervious Cover	%	0 - 5%	6% - 10%	11% - 15%	16% - 25%	> 25%
	17	Impervious Cover (Change)	%	0 - 5%	6% - 10%	11% - 15%	16% - 25%	> 25%
	18	Soil Erodibility Index	-	Slight	Slight-Mod	Moderate	Mod-Severe	Severe
	19	Erosion Potential - Pre-development to Future Zoning	-	Slight		Moderate		Excessive
	20	Nonpoint Source Pollution Loadings - Future Zoning						
		<i>Total Suspended Solids (TSS)</i>	tons/year	0 - 50	51 - 100	101 - 150	151 - 200	> 200
		<i>Total Nitrogen (TN)</i>	lbs/acre	< 3.7	3.8 - 5	5.1 - 7	7.1 - 9	> 9
		<i>Total Phosphorus (TP)</i>	mg/l	< 0.01	0.01 - 0.035	0.035 - 0.065	0.065 - 0.1	> 0.1
		<i>Copper (Cu)</i>	mg/l	< 0.0035		0.0035 - 0.01		> 0.01
	21	Nonpoint Source Pollution Loadings - Change in Land Use						
	<i>Total Suspended Solids (TSS)</i>	tons/year	0 - 50	51 - 100	101 - 150	151 - 200	> 200	
	<i>Total Nitrogen (TN)</i>	lbs/acre	< 3.7	3.8 - 5	5.1 - 7	7.1 - 9	> 9	
	<i>Total Phosphorus (TP)</i>	mg/l	< 0.01	0.01 - 0.035	0.035 - 0.065	0.065 - 0.1	> 0.1	
	<i>Copper (Cu)</i>	mg/l	< 0.0035		0.0035 - 0.01		> 0.01	
<b>Watershed Regulations and Enforcement</b>	22	Rules & Ordinances						
		<i>Stormwater runoff control</i>	-	Good		Average		Needs Improvement
		<i>Sediment and erosion control</i>	-	Good		Average		Needs Improvement
		<i>Stream buffer requirements</i>	-	Good		Average		Needs Improvement
		<i>&gt; 50 acres</i>	-	Good		Average		Needs Improvement
		<i>&gt; 640 acres</i>	-	Good		Average		Needs Improvement
		<i>Open space requirements</i>	acres	> 40	30 - 40	20 - 30	10 - 20	< 10
		<i>Stormwater BMP requirements</i>	-	Good		Average		Needs Improvement
	<i>Floodplain restrictions</i>	-	Good		Average		Needs Improvement	
<b>Potential Restoration and Retrofit Opportunities</b>	23	Potential Restoration Sites						
		<i>Wetlands</i>	acres	< 5		5 - 10		> 10
		<i>Streams</i>	feet	< 2,500	2,500 - 5,000	5,000 - 7,500	7,500 - 10,000	> 10,000
	24	Existing Greenways	feet	< 2,500	2,500 - 5,000	5,000 - 7,500	7,500 - 10,000	> 10,000
	25	Stormwater BMP Retrofit Opportunities	#	0		1		> 1
26	Public Lands Along Streams	feet	< 1,000	1,000 - 2,000	1,001 - 3,000	3,001 - 4,000	> 4,000	

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

**Explanation of Parameter Scoring**

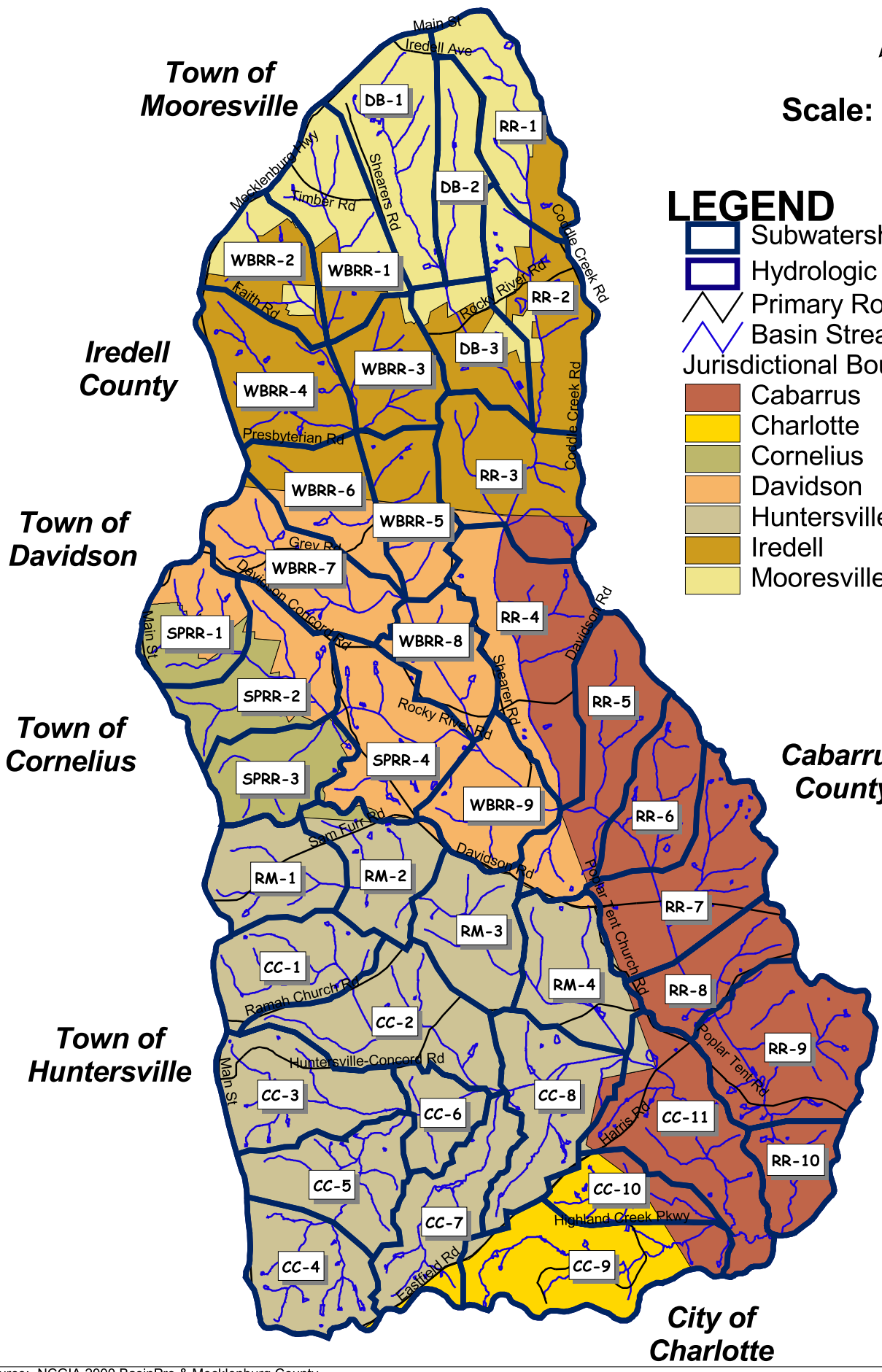
Category	Item	Description	
<b>Current Natural Resources and Habitat Value</b>	1	<i>Number of Natural Heritage Program sites within subwatershed</i>	
	2	<i>Area of National Wetlands Inventory</i>	
	3	<i>Number of existing and proposed Catawba Lands Conservancy Sites</i>	
	4	<i>Volume of groundwater intake from municipal, community, non-community, and private wells</i>	
<b>Current Watershed Health</b>	5	<i>Percent impervious coverage as measured from 1999 GIS land use data and aerial photography</i>	
	6	<i>Dollar value associated with any structural development located within the FEMA defined 100-yr floodplain</i>	
	7	<i>Measured non forested buffer area within the stream buffer (100-ft each side)</i>	
	8	<i>Measured impervious area within the stream buffer (100-ft each side)</i>	
	9	<i>Difference in area of hydric soils and NWI defined wetland areas</i>	
	10	<i>Ratio used to categorize increases in stream channel erosion potential from pre-development conditions to existing conditions</i>	
	11	<i>General condition and habitat of stream based on Rosgen Level 1 score</i>	
	12	<i>NC DWQ defined impaired stream identification</i>	
	13	<i>Water quality modeling predicted pollutant loads. TSS - Relative pollutant load comparison TN - Neuse River Rules maximum allowable load TP - 0.01 to 0.005 is observed point of stream degradation Cu - 0.007 NC DWQ State regulatory standard</i>	
	14	<i>Type of wastewater management system within subwatershed</i>	
	15	<i>Volume of state recorded sanitary sewer overflows</i>	
	<b>Future Risk to Watershed Functions</b>	16	<i>Percent impervious coverage as determined from maximum allowable zoning density (build-out)</i>
		17	<i>Change in percent impervious coverage as determined from maximum allowable zoning density (build-out)</i>
		18	<i>US Soil Survey defined probability that damage may occur if site preparation activities or harvesting occur</i>
		19	<i>Ratio used to categorize increases in stream channel erosion potential from pre-development conditions to future zoning conditions</i>
20		<i>Water quality modeling predicted pollutant loads. TSS - Relative pollutant load comparison TN - Neuse River Rules maximum allowable load - will continue to research appropriate value for this watershed. TP - 0.01 to 0.005 is observed point of stream degradation Cu - 0.007 NC DWQ State regulatory standard</i>	
21		<i>Water quality modeling predicted pollutant loads. TSS - Relative pollutant load comparison TN - Neuse River Rules maximum allowable load TP - 0.01 to 0.005 is observed point of stream degradation Cu - 0.007 NC DWQ State regulatory standard</i>	
<b>Watershed Regs, Enforcement</b>		22	<i>County and Municipal ordinances</i>
		23	<i>Potential restoration opportunities based on field observations and GIS data</i>
<b>Potential Restoration and Retrofit Opportunities</b>		24	<i>Length of streams within existing publicly owned greenways</i>
		25	<i>Number of potential stormwater BMP retrofits</i>
	26	<i>Length of streams within/along publically owned land</i>	



Scale: 1" = 8,500'

### LEGEND

-  Subwatershed
-  Hydrologic Boundary
-  Primary Roads
-  Basin Streams
-  Jurisdictional Boundaries
-  Cabarrus
-  Charlotte
-  Cornelius
-  Davidson
-  Huntersville
-  Iredell
-  Mooresville



Data Source: NCGIA 2000 BasinPro & Mecklenburg County Demographic Employment-Land Development Information System (DELD)

## Upper Rocky River/Clarke Creek Local Watershed Plan Municipal Boundaries



**North Carolina Wetlands Restoration Program  
Subwatershed Ranking Criteria  
Draft Summary of Category Rankings by Subwatershed**

Subwatershed	Subwatershed Code	Current Natural Resources and Habitat Value	Future Risk to Watershed Functions	Current Watershed Health	Watershed Regulations and Enforcement	Potential Retrofit Opportunities
Clarke Creek	CC-1	5	40	44	13	6
	CC-2	5	43	38	13	11
	CC-3	7	41	41	13	10
	CC-4	5	44	32	13	4
	CC-5	9	42	33	13	5
	CC-6	9	39	38	13	7
	CC-7	7	42	34	13	4
	CC-8	9	45	37	13	10
	CC-9	6	45	42	25	4
	CC-10	5	40	38	25	5
	CC-11	14	47	35	31	6
Dye Branch	DB-1	5	36	58	32	11
	DB-2	6	38	47	32	7
	DB-3	7	47	43	32	9
Ramah Creek	RM-1	6	50	33	13	6
	RM-2	5	42	36	13	7
	RM-3	12	44	31	13	13
	RM-4	14	43	33	13	15
Rocky River	RR-1	6	48	44	32	5
	RR-2	8	49	38	31	9
	RR-3	7	49	31	31	5
	RR-4	13	48	41	31	12
	RR-5	10	48	30	31	5
	RR-6	7	46	26	31	5
	RR-7	11	48	37	31	4
	RR-8	10	45	37	31	5
	RR-9	11	49	42	31	4
	RR-10	8	46	39	31	4
South Prong Rocky River	SPRR-1	5	44	36	24	10
	SPRR-2	6	41	34	24	14
	SPRR-3	5	24	33	22	8
	SPRR-4	9	43	34	21	16
West Branch Rocky River	WBRR-1	6	51	38	30	5
	WBRR-2	8	47	42	30	5
	WBRR-3	6	47	37	30	8
	WBRR-4	8	47	34	30	6
	WBRR-5	9	48	30	30	9
	WBRR-6	10	48	35	30	6
	WBRR-7	10	44	43	21	9
	WBRR-8	7	44	26	21	7
	WBRR-9	9	46	29	21	8

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Category	Parameter	Units	CC-1		CC-2		CC-3		CC-4		CC-5		CC-6		CC-7		CC-8		CC-9		CC-10		CC-11	
			value	score	value	score	value	score	value	score	value	score	value	score	value	score	value	score	value	score	value	score	value	score
Current Natl Resources and Habitat Value	1 Natural Resource Sites	#	0	1	0	1	0	1	0	1	2	5	1	5	0	1	0	1	0	1	0	1	4	5
	2 Existing Wetlands	acres	2.5	1	23.4	1	26.0	1	9.3	1	29.8	1	18.7	1	32.0	1	325.4	5	57.8	2	27.2	1	413.2	5
	3 Catawba Lands Conservancy Existing Sites	#	0	1	0	1	1	3	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
	Proposed Sites	#	0	1	0	1	0	1	0	1	0	1	0	1	1	3	0	1	0	1	0	1	0	1
	4 Water Supply Wells	K-gallons	0	1	16	1	8	1	19	1	15	1	11	1	16	1	14	1	2	1	2	1	26	2
<i>Current Natural Resources and Habitat Value Score:</i>				5		5		7		5		9		9		7		9		6		5		14
Current Watershed Health	1 Existing Impervious Cover	%	12%	3	5%	1	8%	2	5%	1	6%	2	6%	2	5%	1	9%	2	23%	4	21%	4	12%	3
	2 Floodplain Development/Flooding Potential	\$K	0	1	0	1	0	1	0	1	0	1	150	1	0	1	0	1	0	1	0	1	150	1
	3 Buffer Disturbance - Deforestation	%	11%	2	50%	4	14%	2	9%	1	17%	2	49%	4	11%	2	25%	2	32%	3	38%	3	23%	2
	4 Buffer Disturbance - Impervious Area	%	0.0%	1	0.3%	1	1.6%	2	0.0%	1	0.1%	1	0.0%	1	0%	1	3.5%	3	2.5%	2	0.0%	1	0.3%	1
	5 Wetland Disturbance	%	98%	5	88%	5	77%	4	90%	5	80%	4	77%	4	76%	4	0%	1	85%	5	78%	4	0%	1
	6 Erosion Potential Ratio (Qe/Qf) Pre-development to Existing Land Use	-	Excessive	5	Moderate	3	Excessive	5	Moderate	3	Moderate	3	Excessive	5	Moderate	3	Excessive	5	Excessive	5	Excessive	5	Excessive	5
	7 Rosgen Level I Habitat Scores	-	Fair	4	Fair	4	Fair	4	Medium	3	Medium	3	Medium	3	Medium	3	Medium	3	Medium	3	Medium	3	Medium	3
	8 Non-Supporting Streams Downstream (303 (d) list)	-	Low	2	Low	2	Low	2	Low	2	Low	2	Low	2	Low	2	Low	2	Low	2	Low	2	Low	2
	9 Nonpoint Source Pollution Loadings - Current Land Use																							
	Total Suspended Solids (TSS)	tons/year	83	2	86	2	89	2	65	2	71	2	35	1	68	2	95	2	161	4	63	2	128	3
	Total Nitrogen (TN)	lbs/acre	4.2	2	3.4	1	4.1	2	3.4	1	3.5	1	3.6	1	3.5	1	3.9	2	6.4	3	5.9	3	4.6	2
Total Phosphorus (TP)	mg/L	0.231	5	0.14	5	0.13	5	0.101	5	0.11	5	0.15	5	0.14	5	0.119	5	0.16	5	0.167	5	0.121	5	
Copper (Cu)	mg/L	0.035	5	0.005	3	0.005	3	0.003	1	0.003	1	0.006	3	0.004	3	0.004	3	0.006	3	0.007	3	0.003	1	
10 Wastewater Management Systems	-	Septic	5	Septic	5	Public-Septic	2	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5	Public	1	Public	1	Septic	5	
11 Wastewater Discharges/Overflows	gallons	800	2	0	1	81700	5	0	1	0	1	0	1	0	1	0	1	500	1	0	1	0	1	
<i>Current Watershed Health Score:</i>				44		38		41		32		33		38		34		37		42		38		35
Future Risk to Watershed Functions	1 Future Impervious Cover	%	28%	5	13%	3	29%	5	33%	5	27%	5	13%	3	14%	3	30%	5	39%	5	32%	5	40%	5
	2 Change in Impervious Cover	%	15%	3	16%	4	20%	4	28%	5	22%	4	15%	3	16%	4	21%	4	20%	4	18%	4	28%	5
	3 Soil Erodibility Index by Area																							
	Slight	%	30%		62%		64%		30%		60%		54%		65%		64%		78%		87%		59%	
	Moderate	%	69%		37%		33%		67%		39%		46%		34%		34%		20%		9%		35%	
	Severe	%	0%		0%		0%		2%		0%		0%		0%		2%		1%		4%		6%	
	Weighted Average	-	Slight-Mod	2	Slight	1	Slight	1	Slight-Mod	2	Slight	1	Slight	1	Slight	1	Slight	1	Slight	1	Slight	1	Slight	1
	4 Erosion Potential Ratio (Qe/Qf) Pre-development to Future Zoning	-	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5
	5 Nonpoint Source Pollution Loadings - Future Land Use																							
	Total Suspended Solids (TSS)	tons/year	118	3	171	4	142	3	133	3	125	3	64	2	135	3	184	4	239	5	95	2	230	5
	Total Nitrogen (TN)	lbs/acre	5.7	3	7.9	4	7.6	4	8	4	7.8	4	7.9	4	8.1	4	8.4	4	9.2	5	8.9	4	9.5	5
Total Phosphorus (TP)	mg/L	0.32	5	0.302	5	0.239	5	0.223	5	0.226	5	0.302	5	0.305	5	0.248	5	0.235	5	0.249	5	0.231	5	
Copper (Cu)	mg/L	0.041	5	0.012	5	0.01	3	0.009	3	0.009	3	0.012	5	0.012	5	0.011	5	0.014	5	0.012	5	0.009	3	
6 Change in Nonpoint Source Pollution Loadings - Current to Future Land Uses																								
Total Suspended Solids (TSS)	tons/year	36	1	85	2	53	2	68	2	54	2	29	1	66	2	89	2	78	2	33	1	103	3	
Total Nitrogen (TN)	lbs/acre	1.5	1	4.6	2	3.5	1	4.6	2	4.3	2	4.3	2	4.6	2	4.6	2	2.8	1	3.1	1	4.8	2	
Total Phosphorus (TP)	mg/L	0.089	4	0.163	5	0.105	5	0.122	5	0.116	5	0.153	5	0.162	5	0.129	5	0.072	4	0.082	4	0.11	5	
Copper (Cu)	mg/L	0.006	3	0.007	3	0.005	3	0.006	3	0.006	3	0.006	3	0.008	3	0.007	3	0.008	3	0.005	3	0.006	3	
<i>Future Risk to Watershed Functions Score:</i>				40		43		41		44		42		39		42		45		45		40		47
Watershed Regulations and Enforcement	1 Watershed Protection Rules and Ordinances	-																						
	Stormwater runoff control	-	Good	1	Good	1	Good	1	Good	1	Good	1	Good	1	Good	1	Good	1	Average	3	Average	3	Needs Improvement	5
	Sediment and erosion control	-	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3
	Stream buffer requirements > 50 acres	-	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5
	> 640 acres	-	Good	1	Good	1	Good	1	Good	1	Good	1	Good	1	Good	1	Good	1	Average	3	Needs Improvement	5	Needs Improvement	5
	Open space requirements	acres	45	1	45	1	45	1	45	1	45	1	45	1	45	1	45	1	10	5	10	5	3.6	5
	Stormwater BMP requirements	-	Good	1	Good	1	Good	1	Good	1	Good	1	Good	1	Good	1	Good	1	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5
Floodplain restrictions	-	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Good	1	Good	1	Average	3	
2 Enforcement Capabilities																								
<i>Watershed Regulations and Enforcement</i>				13		13		13		13		13		13		13		13		25		25		31
Potential Retrofit Opportunities	1 Potential Restoration Sites																							
	Wetlands	acres	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
	Stream	feet	6,870	3	10,660	5	2,590	2	0	1	0	1	2,540	2	0	1	3,540	2	2,050	1	4,010	2	3,430	2
	Existing Greenways	feet	1	1,180	1	7,630	4	0	1	330	1	5,080	3	0	1	8,110	4	0	1	2,220	1	0	1	
3 Stormwater BMP Retrofit Opportunities																								
4 Public Lands along streams	feet	0	1	3,590	4	2,430	3	0	1	1,900	2	0	1	0	1	2,750	3	0	1	0	1	1,850	2	
<i>Potential Retrofit Opportunities</i>				6		11		10		4		5		7		4		10		4		5		6

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Category	Parameter	Units	DB-1		DB-2		DB-3	
			value	score	value	score	value	score
Current Natl Resources and Habitat Value	1 Natural Resource Sites	#	0	1	0	1	0	1
	2 Existing Wetlands	acres	7.0	1	5.3	1	18.8	1
	3 Catawba Lands Conservancy							
	Existing Sites	#	0	1	0	1	0	1
	Proposed Sites	#	0	1	0	1	0	1
4 Water Supply Wells	K-gallons	2	1	29	2	74	3	
<i>Current Natural Resources and Habitat Value Score:</i>				<b>5</b>	<b>6</b>	<b>7</b>		

Current Watershed Health	1 Existing Impervious Cover	%	29%	5	20%	4	10%	2
	2 Floodplain Development/Flooding Potential	\$K	6,600	5	0	1	0	1
	3 Buffer Disturbance - Deforestation	%	58%	4	38%	3	67%	5
	4 Buffer Disturbance - Impervious Area	%	25.7%	5	7.5%	5	0.7%	1
	5 Wetland Disturbance	%	???	5	???	5	???	5
	6 Erosion Potential Ratio (Qe/Qf)							
	Pre-development to Existing Land Use	-	Excessive	5	Excessive	5	Excessive	5
	7 Rosgen Level I Habitat Scores	-	Poor	5	Medium	3	Medium	3
	8 Non-Supporting Streams Downstream (303 (d) list)	-	Low	2	Low	2	Low	2
	9 Nonpoint Source Pollution Loadings - Current Land Use							
	Total Suspended Solids (TSS)	tons/year	165	4	71	2	60	2
Total Nitrogen (TN)	lbs/acre	7	4	5.9	3	4.4	2	
Total Phosphorus (TP)	mg/L	0.174	5	0.15	5	0.12	5	
Copper (Cu)	mg/L	0.008	3	0.006	3	0.004	3	
10 Wastewater Management Systems	-	Public	1	Public	1	Public-Septic	2	
11 Wastewater Discharges/Overflows	gallons	???	5	???	5	???	5	
<i>Current Watershed Health Score:</i>				<b>58</b>	<b>47</b>	<b>43</b>		

Future Risk to Watershed Functions	1 Future Impervious Cover	%	40%	5	36%	5	36%	5
	2 Change in Impervious Cover	%	11%	3	16%	4	22%	4
	3 Soil Erodibility Index by Area							
	Slight	%	28%		25%		39%	
	Moderate	%	72%		75%		61%	
	Severe	%	0%		0%		0%	
	Weighted Average	-	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2
	4 Erosion Potential Ratio (Qe/Qf)							
	Pre-development to Future Zoning	-	Excessive	5	Excessive	5	Excessive	5
	5 Nonpoint Source Pollution Loadings - Future Land Use							
	Total Suspended Solids (TSS)	tons/year	196	4	98	2	111	3
Total Nitrogen (TN)	lbs/acre	8.5	4	8.1	4	8.6	4	
Total Phosphorus (TP)	mg/L	0.208	5	0.21	5	0.254	5	
Copper (Cu)	mg/L	0.009	3	0.01	3	0.021	5	
6 Change in Nonpoint Source Pollution Loadings - Current to Future Land Uses								
Total Suspended Solids (TSS)	tons/year	31	1	27	1	51	2	
Total Nitrogen (TN)	lbs/acre	1.5	1	2.2	1	4.2	2	
Total Phosphorus (TP)	mg/L	0.034	2	0.056	3	0.137	5	
Copper (Cu)	mg/L	0.001	1	0.004	3	0.017	5	
<i>Future Risk to Watershed Functions Score:</i>				<b>36</b>	<b>38</b>	<b>47</b>		

Watershed Regulations and Enforcement	1 Watershed Protection Rules and Ordinances							
	Stormwater runoff control	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5
	Sediment and erosion control	-	Average	3	Average	3	Average	3
	Stream buffer requirements							
	> 50 acres	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5
	> 640 acres	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5
	Open space requirements	acres	15	4	15	4	15	4
Stormwater BMP requirements	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	
Floodplain restrictions	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	
2 Enforcement Capabilities								
<i>Watershed Regulations and Enforcement Score:</i>				<b>32</b>	<b>32</b>	<b>32</b>		

Potential Restoration and Retrofit Opportunities	1 Potential Restoration Sites							
	Wetlands	acres	0	1	0	1	0	1
	Stream	feet	7,960	4	2,660.0	2	16,520	5
	2 Existing Greenways	feet	0	1	0	1	0	1
3 Stormwater BMP Retrofit Opportunities								
4 Public Lands along streams	feet	4,960	5	2,110	3	1,580	2	
<i>Potential Retrofit Opportunities</i>				<b>11</b>	<b>7</b>	<b>9</b>		

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Category	Parameter	Units	RM-1		RM-2		RM-3		RM-4	
			value	score	value	score	value	score	value	score
Current Natl Resources and Habitat Value	1 Natural Resource Sites	#	0	1	0	1	0	1	4 (d)	3
	2 Existing Wetlands	acres	7.5	1	7.4	1	76.7	2	157.3	4
	3 Catawba Lands Conservancy									
	Existing Sites	#	0	1	0	1	1	3	0	1
	Proposed Sites	#	0	1	0	1	2	5	2	5
4 Water Supply Wells	K-gallons	36	2	16	1	6	1	16	1	
<i>Current Natural Resources and Habitat Value Score:</i>				<b>6</b>		<b>5</b>		<b>12</b>		<b>14</b>

Current Watershed Health	1 Existing Impervious Cover	%	7%	2	5%	1	4%	1	5%	1
	2 Floodplain Development/Flooding Potential	\$K	0	1	0	1	0	1	0	1
	3 Buffer Disturbance - Deforestation	%	18%	2	38%	3	14%	2	24%	2
	4 Buffer Disturbance - Impervious Area	%	0.6%	1	3.9%	3	0%	1	0.8%	1
	5 Wetland Disturbance	%	92%	5	92%	5	52%	3	22%	2
	6 Erosion Potential Ratio (Qe/Qf)									
	Pre-development to Existing Land Use	-	Excessive	5	Moderate	3	Slight	1	Moderate	3
	7 Rosgen Level I Habitat Scores	-	Good	2	Good	2	Fair	4	Poor	5
	8 Non-Supporting Streams Downstream (303 (d) list)	-	-	1	-	1	-	1	-	1
	9 Nonpoint Source Pollution Loadings - Current Land Use									
	Total Suspended Solids (TSS)	tons/year	67	2	58	2	61	2	66	2
Total Nitrogen (TN)	lbs/acre	3.9	2	3.6	1	3.4	1	3.5	1	
Total Phosphorus (TP)	mg/L	0.155	5	0.15	5	0.13	5	0.128	5	
Copper (Cu)	mg/L	0.006	3	0.006	3	0.004	3	0.004	3	
10 Wastewater Management Systems	-	Public	1	Septic	5	Septic	5	Septic	5	
11 Wastewater Discharges/Overflows	gallons	0	1	0	1	0	1	0	1	
<i>Current Watershed Health Score:</i>				<b>33</b>		<b>36</b>		<b>31</b>		<b>33</b>

Future Risk to Watershed Functions	1 Future Impervious Cover	%	45%	5	12%	3	18%	4	20%	4
	2 Change in Impervious Cover	%	38%	5	16%	4	14%	3	15%	3
	3 Soil Erodibility Index by Area									
	Slight	%	23%		53%		73%		67%	
	Moderate	%	77%		46%		27%		33%	
	Severe	%	0%		0%		0%		0%	
	Weighted Average	-	Moderate	3	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2
	4 Erosion Potential Ratio (Qe/Qf)									
	Pre-development to Future Zoning	-	Excessive	5	Excessive	5	Excessive	5	Excessive	5
	5 Nonpoint Source Pollution Loadings - Future Land Use									
	Total Suspended Solids (TSS)	tons/year	152	4	106	3	127	3	133	3
Total Nitrogen (TN)	lbs/acre	7.9	4	8	4	8.4	4	8.4	4	
Total Phosphorus (TP)	mg/L	0.322	5	0.311	5	0.29	5	0.283	5	
Copper (Cu)	mg/L	0.017	5	0.013	5	0.011	5	0.011	5	
6 Change in Nonpoint Source Pollution Loadings - Current to Future Land Uses										
Total Suspended Solids (TSS)	tons/year	85	2	48	1	66	2	66	2	
Total Nitrogen (TN)	lbs/acre	4	2	4.4	2	5.1	3	4.9	2	
Total Phosphorus (TP)	mg/L	0.167	5	0.16	5	0.164	5	0.155	5	
Copper (Cu)	mg/L	0.011	5	0.007	3	0.007	3	0.007	3	
<i>Future Risk to Watershed Functions Score:</i>				<b>50</b>		<b>42</b>		<b>44</b>		<b>43</b>

Watershed Regulations and Enforcement	1 Watershed Protection Rules and Ordinances									
	Stormwater runoff control	-	Good	1	Good	1	Good	1	Good	1
	Sediment and erosion control	-	Average	3	Average	3	Average	3	Average	3
	Stream buffer requirements									
	> 50 acres	-	Average	3	Average	3	Average	3	Average	3
	> 640 acres	-	Good	1	Good	1	Good	1	Good	1
	Open space requirements	acres	45	1	45	1	45	1	45	1
Stormwater BMP requirements	-	Good	1	Good	1	Good	1	Good	1	
Floodplain restrictions	-	Average	3	Average	3	Average	3	Average	3	
2 Enforcement Capabilities										
<i>Watershed Regulations and Enforcement</i>				<b>13</b>		<b>13</b>		<b>13</b>		<b>13</b>

Potential Retrofit Opportunities	1 Potential Restoration Sites									
	Wetlands	acres	0	1	0	1	0	1	20	5
	Stream	feet	2,700	2	7,040	3	6,220	3	11,970	5
	2 Existing Greenways	feet	3,410	2	5,000	2	8,980	4	8,970	4
3 Stormwater BMP Retrofit Opportunities										
4 Public Lands along streams	feet	0	1	0	1	4,860	5	0	1	
<i>Potential Retrofit Opportunities</i>				<b>6</b>		<b>7</b>		<b>13</b>		<b>15</b>

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Category	Parameter	Units	RR-1		RR-2		RR-3		RR-4		RR-5		RR-6		RR-7		RR-8		RR-9		RR-10		
			value	score	value	score	value	score	value	score	value	score	value	score	value	score	value	score	value	score	value	score	
Current Natl Resources and Habitat Value	1 Natural Resource Sites	#	0	1	0	1	0	1	1	5	1	5	0	1	0	1	0	1	0	1	0	1	
	2 Existing Wetlands	acres	4.1	1	61.5	2	40.5	1	71.3	2	27.4	1	86.2	2	193.0	4	170.3	4	119.3	3	194.9	4	
	3 Catawba Lands Conservancy Existing Sites	#	0	1	0	1	1	3	1	3	0	1	0	1	0	1	0	1	0	1	0	1	
	Proposed Sites	#	0	1	0	1	0	1	0	1	0	1	0	1	1	3	1	3	0	1	0	1	
	4 Water Supply Wells	K-gallons	41	2	53	3	19	1	48	2	44	2	28	2	33	2	13	1	122	5	11	1	
<i>Current Natural Resources and Habitat Value Score:</i>				<b>6</b>		<b>8</b>		<b>7</b>		<b>13</b>		<b>10</b>		<b>7</b>		<b>11</b>		<b>10</b>		<b>11</b>		<b>8</b>	
Current Watershed Health	1 Existing Impervious Cover	%	9%	2	4%	1	4%	1	7%	2	5%	1	3%	1	8%	2	14%	3	11%	3	25%	4	
	2 Floodplain Development/Flooding Potential	\$K	0	1	300	2	0	1	0	1	0	1	0	1	0	1	0	1	300	2	0	1	
	3 Buffer Disturbance - Deforestation	%	34%	3	42%	3	18%	2	31%	2	20%	2	21%	2	33%	3	31%	3	39%	3	59%	4	
	4 Buffer Disturbance - Impervious Area	%	1.0%	2	1.3%	2	0.0%	1	0.2%	1	0.0%	1	0.3%	1	1%	2	1.2%	2	4.0%	3	0.7%	1	
	5 Wetland Disturbance	%	???	5	???	5	24%	2	69%	4	75%	4	24%	2	41%	3	32%	2	55%	3	0%	1	
	6 Erosion Potential Ratio (Qe/Qf) Pre-development to Existing Land Use	-	Excessive	5	Slight	1	Slight	1	Excessive	5	Moderate	3	Slight	1	Excessive	5	Excessive	5	Excessive	5	Excessive	5	
	7 Rosgen Level I Habitat Scores	-	Poor	5	Fair	4	Fair	4	Medium	3	Medium	3	Medium	3	Medium	3	Good	2	Medium	3	Medium	3	
	8 Non-Supporting Streams Downstream (303 (d) list)	-	TMDL	5	TMDL	5	TMDL	5	TMDL	5	-	1	-	1	-	1	-	1	-	1	-	1	
	9 Nonpoint Source Pollution Loadings - Current Land Use																						
	Total Suspended Solids (TSS)	tons/year	81	2	72	2	84	2	112	3	89	2	53	2	106	3	68	2	134	3	97	2	
	Total Nitrogen (TN)	lbs/acre	3.9	2	3.4	1	3.2	1	3.8	2	3.5	1	3.2	1	3.6	1	4.2	2	4.5	2	5.7	3	
Total Phosphorus (TP)	mg/L	0.106	5	0.10	5	0.09	4	0.101	5	0.091	4	0.08	4	0.10	4	0.12	5	0.11	5	0.13	5		
Copper (Cu)	mg/L	0.003	1	0.003	1	0.002	1	0.003	1	0.003	1	0.002	1	0.004	3	0.005	3	0.004	3	0.007	3		
10 Wastewater Management Systems	-	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5		
11 Wastewater Discharges/Overflows	gallons	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1		
<i>Current Watershed Health Score:</i>				<b>44</b>		<b>38</b>		<b>31</b>		<b>41</b>		<b>30</b>		<b>26</b>		<b>37</b>		<b>37</b>		<b>42</b>		<b>39</b>	
Future Risk to Watershed Functions	1 Future Impervious Cover	%	36%	5	31%	5	31%	5	38%	5	39%	5	41%	5	37%	5	38%	5	42%	5	53%	5	
	2 Change in Impervious Cover	%	28%	5	27%	5	27%	5	31%	5	34%	5	38%	5	35%	5	31%	5	31%	5	28%	5	
	3 Soil Erodibility Index by Area																						
	Slight	%	25%		26%		29%		13%		22%		31%		50%		69%		37%		48%		
	Moderate	%	75%		74%		71%		86%		78%		67%		49%		31%		60%		47%		
	Severe	%	0%		0%		0%		1%		0%		2%		0%		0%		2%		5%		
	Weighted Average	-	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2	Slight	1	Slight	1	Slight-Mod	2	Slight-Mod	2	
	4 Erosion Potential Ratio (Qe/Qf) Pre-development to Future Zoning	-	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	
	5 Nonpoint Source Pollution Loadings - Future Land Use																						
	Total Suspended Solids (TSS)	tons/year	148	3	152	4	175	4	233	5	192	4	129	3	222	5	121	3	260	5	147	3	
	Total Nitrogen (TN)	lbs/acre	7.8	4	7.1	4	7.4	4	8.9	4	9.2	5	9.5	5	9.4	5	9.4	5	9.6	5	9.8	5	
Total Phosphorus (TP)	mg/L	0.218	5	0.246	5	0.239	5	0.223	5	0.223	5	0.223	5	0.238	5	0.239	5	0.222	5	0.214	5		
Copper (Cu)	mg/L	0.015	5	0.024	5	0.024	5	0.01	3	0.009	3	0.009	3	0.01	3	0.01	3	0.009	3	0.012	5		
6 Change in Nonpoint Source Pollution Loadings - Current to Future Land Uses																							
Total Suspended Solids (TSS)	tons/year	67	2	79	2	91	2	122	3	102	3	76	2	116	3	53	2	126	3	51	2		
Total Nitrogen (TN)	lbs/acre	3.9	2	3.7	2	4.1	2	5.1	3	5.7	3	6.3	3	5.9	3	5.1	3	5.1	3	4.1	2		
Total Phosphorus (TP)	mg/L	0.112	5	0.144	5	0.149	5	0.122	5	0.132	5	0.142	5	0.139	5	0.119	5	0.113	5	0.084	4		
Copper (Cu)	mg/L	0.012	5	0.021	5	0.022	5	0.007	3	0.006	3	0.007	3	0.006	3	0.005	3	0.005	3	0.005	3		
<i>Future Risk to Watershed Functions Score:</i>				<b>48</b>		<b>49</b>		<b>49</b>		<b>48</b>		<b>48</b>		<b>46</b>		<b>48</b>		<b>45</b>		<b>49</b>		<b>46</b>	
Watershed Regulations and Enforcement	1 Watershed Protection Rules and Ordinances	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	
	Stormwater runoff control	-	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	
	Sediment and erosion control	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	
	Stream buffer requirements > 50 acres	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	
	> 640 acres	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	
	Open space requirements	acres	15	4	3.6	5	3.6	5	3.6	5	3.6	5	3.6	5	3.6	5	3.6	5	3.6	5	3.6	5	
	Stormwater BMP requirements	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	
Floodplain restrictions	-	Needs Improvement	5	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3		
2 Enforcement Capabilities	-	Needs Improvement	5	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3		
<i>Watershed Regulations and Enforcement</i>				<b>32</b>		<b>31</b>		<b>31</b>		<b>31</b>		<b>31</b>		<b>31</b>		<b>31</b>		<b>31</b>		<b>31</b>		<b>31</b>	
Potential Retrofit Opportunities	1 Potential Restoration Sites																						
	Wetlands	acres	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
	Stream	feet	2,970	2	3,430	2	2,520	2	11,480	5	3,120	2	2,880	2	0	1	4,300	2	0	1	0	1	
	2 Existing Greenways	feet	0	1	0	1	1,300	1	18,140	5	0	1	0	1	0	1	0	1	0	1	0	1	
3 Stormwater BMP Retrofit Opportunities																							
4 Public Lands along streams	feet	0	1	4,380	5	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1		
<i>Potential Retrofit Opportunities</i>				<b>5</b>		<b>9</b>		<b>5</b>		<b>12</b>		<b>5</b>		<b>5</b>		<b>4</b>		<b>5</b>		<b>4</b>		<b>4</b>	

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Category	Parameter	Units	SPRR-1		SPRR-2		SPRR-3		SPRR-4	
			value	score	value	score	value	score	value	score
Current Natl Resources and Habitat Value	1 Natural Resource Sites	#	0	1	0	1	0	1	0	1
	2 Existing Wetlands	acres	9.1	1	51.3	2	1.2	1	260.3	5
	3 Catawba Lands Conservancy									
	Existing Sites	#	0	1	0	1	0	1	0	1
	Proposed Sites	#	0	1	0	1	0	1	0	1
4 Water Supply Wells	K-gallons	0	1	0	1	0	1	0	1	
<i>Current Natural Resources and Habitat Value Score:</i>				<b>5</b>	<b>6</b>	<b>5</b>	<b>9</b>			

Current Watershed Health	1 Existing Impervious Cover	%	11%	3	5%	1	4%	1	6%	2
	2 Floodplain Development/Flooding Potential	\$K	0	1	0	1	0	1	0	1
	3 Buffer Disturbance - Deforestation	%	11%	2	35%	3	14%	2	41%	3
	4 Buffer Disturbance - Impervious Area	%	0.7%	1	0.6%	1	3%	3	1.4%	2
	5 Wetland Disturbance	%	91%	5	71%	4	99%	5	6%	1
	6 Erosion Potential Ratio (Qe/Qf)									
	Pre-development to Existing Land Use	-	Excessive	5	Moderate	3	Slight	1	Moderate	3
	7 Rosgen Level I Habitat Scores	-	Medium	3	Medium	3	Medium	3	Poor	5
	8 Non-Supporting Streams Downstream (303 (d) list)	-	-	1	-	1	-	1	-	1
	9 Nonpoint Source Pollution Loadings - Current Land Use									
	Total Suspended Solids (TSS)	tons/year	70	2	71	2	50	1	81	2
Total Nitrogen (TN)	lbs/acre	4.3	2	3.4	1	3.3	1	3.6	1	
Total Phosphorus (TP)	mg/L	0.102	5	0.11	5	0.17	5	0.114	5	
Copper (Cu)	mg/L	0.004	3	0.004	3	0.005	3	0.004	3	
10 Wastewater Management Systems	-	Public-Septic	2	Septic	5	Septic	5	Private-Septic	4	
11 Wastewater Discharges/Overflows	gallons	0	1	0	1	0	1	0	1	
<i>Current Watershed Health Score:</i>				<b>36</b>	<b>34</b>	<b>33</b>	<b>34</b>			

Future Risk to Watershed Functions	1 Future Impervious Cover	%	47%	5	23%	4	5%	1	27%	5
	2 Change in Impervious Cover	%	36%	5	18%	4	1%	1	21%	4
	3 Soil Erodibility Index by Area									
	Slight	%	34%		44%		34%		71%	
	Moderate	%	45%		53%		66%		29%	
	Severe	%	0%		0%		0%		0%	
	Weighted Average	-	Slight	1	Slight-Mod	2	Slight-Mod	2	Slight	1
	4 Erosion Potential Ratio (Qe/Qf)									
	Pre-development to Future Zoning	-	Excessive	5	Excessive	5	Moderate	3	Excessive	5
	5 Nonpoint Source Pollution Loadings - Future Land Use									
	Total Suspended Solids (TSS)	tons/year	157	4	133	3	52	2	145	3
Total Nitrogen (TN)	lbs/acre	8.8	4	6.4	3	3.5	1	6.7	3	
Total Phosphorus (TP)	mg/L	0.204	5	0.204	5	0.175	5	0.199	5	
Copper (Cu)	mg/L	0.01	3	0.011	5	0.009	3	0.023	5	
6 Change in Nonpoint Source Pollution Loadings - Current to Future Land Uses										
Total Suspended Solids (TSS)	tons/year	87	2	62	2	2	1	64	2	
Total Nitrogen (TN)	lbs/acre	4.5	2	3	1	0.2	1	3.1	1	
Total Phosphorus (TP)	mg/L	0.102	5	0.09	4	0.01	1	0.085	4	
Copper (Cu)	mg/L	0.006	3	0.007	3	0.004	3	0.019	5	
<i>Future Risk to Watershed Functions Score:</i>				<b>44</b>	<b>41</b>	<b>24</b>	<b>43</b>			

Watershed Regulations and Enforcement	1 Watershed Protection Rules and Ordinances	-	Average	3	Average	3	Average	3	Average	5
	Stormwater runoff control	-	Average	3	Average	3	Average	3	Average	3
	Sediment and erosion control	-	Average	3	Average	3	Average	3	Average	3
	Stream buffer requirements	-	Average	3	Average	3	Average	3	Good	1
	> 50 acres	-	Average	3	Average	3	Good	1	Average	3
	> 640 acres	-	Average	3	Average	3	Good	1	Average	3
	Open space requirements	acres	12.5	4	12.5	4	12.5	4	50	1
Stormwater BMP requirements	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	
Floodplain restrictions	-	Average	3	Average	3	Average	3	Average	3	
2 Enforcement Capabilities										
<i>Watershed Regulations and Enforcement</i>				<b>24</b>	<b>24</b>	<b>22</b>	<b>21</b>			

Potential Retrofit Opportunities	1 Potential Restoration Sites									
	Wetlands	acres	0	1	10-20	5	10-20	5	10-20	5
	Stream	feet	2,640	2	6,800	3	1,430	1	10,560	5
	2 Existing Greenways	feet	9,280	4	16,190	5	110	1	12,910	5
3 Stormwater BMP Retrofit Opportunities										
4 Public Lands along streams	feet	2,640	3	0	1	580	1	0	1	
<i>Potential Retrofit Opportunities</i>				<b>10</b>	<b>14</b>	<b>8</b>	<b>16</b>			

NCWRP  
Upper Rocky River/Clarke Creek Local Watershed Planning Effort  
Draft Subwatershed Prioritization Protocol and Scoring

Category	Parameter	Units	WBRR-1		WBRR-2		WBRR-3		WBRR-4		WBRR-5		WBRR-6		WBRR-7		WBRR-8		WBRR-9		
			value	score	value	score	value	score	value	score	value	score	value	score	value	score	value	score	value	score	
Current Natl Resources and Habitat Value	1 Natural Resource Sites	#	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
	2 Existing Wetlands	acres	9.7	1	1.4	1	8.2	1	43.5	1	13.7	1	14.6	1	18.9	1	122.1	3	62.3	2	
	3 Catawba Lands Conservancy	#	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
	Existing Sites Proposed Sites	#	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1	3	
4 Water Supply Wells	K-gallons	29	2	98	4	39	2	87	4	15	1	35	2	27	2	13	1	33	2		
<i>Current Natural Resources and Habitat Value Score:</i>				<b>6</b>		<b>8</b>		<b>6</b>		<b>8</b>		<b>9</b>		<b>10</b>		<b>10</b>		<b>7</b>		<b>9</b>	
Current Watershed Health	1 Existing Impervious Cover	%	8%	2	9%	2	4%	1	5%	1	3%	1	5%	1	10%	2	3%	1	3%	1	
	2 Floodplain Development/Flooding Potential	\$K	450	2	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
	3 Buffer Disturbance - Deforestation	%	36%	3	38%	3	76%	5	32%	3	38%	3	70%	5	24%	2	35%	3	23%	2	
	4 Buffer Disturbance - Impervious Area	%	3.7%	3	1.3%	2	0.1%	1	0.7%	1	0.6%	1	0.2%	1	2%	2	0.5%	1	1.0%	1	
	5 Wetland Disturbance	%	???	5	???	5	???	5	???	5	100%	5	92%	5	89%	5	23%	2	63%	4	
	6 Erosion Potential Ratio (Qe/Qf)																				
	Pre-development to Existing Land Use	-	Excessive	5	Excessive	5	Moderate	3	Moderate	3	Slight	1	Moderate	3	Excessive	5	Slight	1	Slight	1	
	7 Rosgen Level I Habitat Scores	-	Poor	5	Medium	3	Poor	5	Poor	5	Fair	4	Fair	4	Medium	3	Medium	3	Medium	3	
	8 Non-Supporting Streams Downstream (303 (d) list)	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	
	9 Nonpoint Source Pollution Loadings - Current Land Use																				
	Total Suspended Solids (TSS)	tons/year	90	2	59	2	51	2	74	2	49	1	55	2	98	2	46	1	56	2	
Total Nitrogen (TN)	lbs/acre	3.7	2	4	2	3.3	1	3.4	1	3.2	1	3.4	1	4.4	2	3.2	1	3.3	1		
Total Phosphorus (TP)	mg/L	0.097	4	0.35	5	0.10	5	0.10	4	0.09	4	0.10	4	0.11	5	0.093	4	0.10	5		
Copper (Cu)	mg/L	0.003	1	0.011	5	0.002	1	0.003	1	0.002	1	0.003	1	0.004	3	0.003	1	0.003	1		
10 Wastewater Management Systems	-	Public-Septic	2	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5	Septic	5		
11 Wastewater Discharges/Overflows	gallons	0	1	0	1	0	1	0	1	0	1	0	1	23000	5	0	1	0	1		
<i>Current Watershed Health Score:</i>				<b>38</b>		<b>42</b>		<b>37</b>		<b>34</b>		<b>30</b>		<b>35</b>		<b>43</b>		<b>26</b>		<b>29</b>	
Future Risk to Watershed Functions	1 Future Impervious Cover	%	38%	5	32%	5	29%	5	29%	5	33%	5	34%	5	46%	5	33%	5	28%	5	
	2 Change in Impervious Cover	%	30%	5	23%	4	25%	4	25%	4	30%	5	29%	5	35%	5	29%	5	24%	4	
	3 Soil Erodibility Index by Area																				
	Slight	%	42%		33%		40%		36%		28%		22%		30%		38%		61%		
	Moderate	%	58%		67%		60%		64%		71%		74%		61%		62%		38%		
	Severe	%	0%		0%		0%		0%		2%		3%		0%		0%		1%		
	Weighted Average	-	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2	Slight-Mod	2	Slight	1	
	4 Erosion Potential Ratio (Qe/Qf)																				
	Pre-development to Future Zoning	-	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	Excessive	5	
	5 Nonpoint Source Pollution Loadings - Future Land Use																				
	Total Suspended Solids (TSS)	tons/year	210	5	110	3	106	3	152	4	115	3	116	3	197	4	99	2	108	3	
Total Nitrogen (TN)	lbs/acre	7.7	4	7.7	4	7.1	4	7	4	7.8	4	7.7	4	8.9	4	8.2	4	7.0	4		
Total Phosphorus (TP)	mg/L	0.212	5	0.744	5	0.267	5	0.255	5	0.232	5	0.232	5	0.207	5	0.218	5	0.204	5		
Copper (Cu)	mg/L	0.016	5	0.062	5	0.03	5	0.028	5	0.017	5	0.017	5	0.009	3	0.01	3	0.02	5		
6 Change in Nonpoint Source Pollution Loadings - Current to Future Land Uses																					
Total Suspended Solids (TSS)	tons/year	120	3	51	2	55	2	78	2	66	2	61	2	99	2	53	2	52	2		
Total Nitrogen (TN)	lbs/acre	3.9	2	3.8	2	3.7	2	3.6	1	4.6	2	4.3	2	4.5	2	5	3	3.8	2		
Total Phosphorus (TP)	mg/L	0.115	5	0.398	5	0.166	5	0.156	5	0.143	5	0.136	5	0.099	4	0.125	5	0.102	5		
Copper (Cu)	mg/L	0.013	5	0.051	5	0.028	5	0.025	5	0.015	5	0.014	5	0.005	3	0.007	3	0.017	5		
<i>Future Risk to Watershed Functions Score:</i>				<b>51</b>		<b>47</b>		<b>47</b>		<b>47</b>		<b>48</b>		<b>48</b>		<b>44</b>		<b>44</b>		<b>46</b>	
Watershed Regulations and Enforcement	1 Watershed Protection Rules and Ordinances	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	
	Stormwater runoff control	-	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	
	Sediment and erosion control	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Good	1	Good	1	Good	1	
	Stream buffer requirements > 50 acres	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Average	3	Average	3	Average	3	
	> 640 acres	acres	12.5	4	12.5	4	15	4	15	4	15	4	15	4	50	1	50	1	50	1	
	Open space requirements	-	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	Needs Improvement	5	
Stormwater BMP requirements	-	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3	Average	3		
Floodplain restrictions	-																				
2 Enforcement Capabilities																					
<i>Watershed Regulations and Enforcement</i>				<b>30</b>		<b>30</b>		<b>30</b>		<b>30</b>		<b>30</b>		<b>30</b>		<b>21</b>		<b>21</b>		<b>21</b>	
Potential Retrofit Opportunities	1 Potential Restoration Sites																				
	Wetlands	acres	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
	Stream	feet	3,610	2	2,730	2	14,280	5	5,700	3	18,330	5	5,760	3	3,410	2	2,050	1	0	1	
	Existing Greenways	feet	0	1	0	1	0	1	0	1	4,420	2	2,290	1	11,770	5	7,800	4	15,600	5	
3 Stormwater BMP Retrofit Opportunities																					
4 Public Lands along streams	feet	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1		
<i>Potential Retrofit Opportunities</i>				<b>5</b>		<b>5</b>		<b>8</b>		<b>6</b>		<b>9</b>		<b>6</b>		<b>9</b>		<b>7</b>		<b>8</b>	