

Guilford County 205j Watershed Prioritization

3

Stress Layers (v3)			Weighted Average	Total Layer Value
Criteria	Data Source	Factors	Integer Values	Layer Percentage
High Impervious Surface Cover	NLCD 2011 Percent Developed Imperviousness (Oct 2014 edition)	1 - 4%	10	13.0%
		5 - 9%	75	
		> 10%	150	
Highly Erodible Soils	SSURGO (K factor)	0 - 0.23	0	12.1%
		0.24 - 0.39	70	
		0.40 - 0.49	140	
Septic Repair fields	Guilford County	100ft buffer	130	11.3%
Forest Cover	NLCD 2011 Tree Canopy (Feb 2016 edition)	< 50%	120	10.4%
Steep Slope	USGS NED (1 arc second)	> 15%	110	9.5%
Animal Operation Permits	NC DEQ	Parcels	90	7.8%
Farms	Guilford County	Agricultural Land Use	90	7.8%
Density of Impact Sites	NC DWQ & VA DEQ	Low (1-7 per sq mile)	37	6.4%
		High (8-48 per sq mi)	74	
Road Density	NCDOT & VDOT	Low	0	6.0%
		Med	0	
		High	69	
Population Density Change (2000 to 2010)	U.S. Census Bureau	1 - 9%	4	4.7%
		10 - 24%	7	
		25 - 49%	11	
		> 50%	54	
Population Density (Persons Per Acre) (2010)	U.S. Census Bureau	Low (0.01 - 0.24)	11	4.1%
		Med (0.25 - 0.99)	34	
		High (1.00 +)	47	
Small Streams with Less than 50% Canopy Cover	NHD unnamed streams; NLCD canopy cover	Within 100 ft buffer where forest cover <50%	42	3.6%
Small Parcel Size	Counties/Municipalities	< 10 Acres	14	1.2%
Zoning (High Impact)	Counties/Municipalities	Commercial, Industrial, High Density Residential, Multi-family, Office & Institutional	13	1.1%
Floodplain	NC Floodplain Mapping Program; VA CDR	Within 500 Year Floodplain	10	0.9%
Total Possible Points			1153	100.0%