

Stream Assessment for Potential Restoration
NCSU Stream Restoration Program

Stream name & location	
Assessed by	Site visit date
Watershed area (square miles)	Available buffer width (ft)
Watershed % forest	Stream length (ft)
Watershed % agriculture	Stream width in riffle/run (ft)
Watershed % urban	Depth from top of bank (ft)
Streambed substrate (sand, gravel, cobble, bedrock)	Stream slope (< 2%, 2-4%, > 4%)

Stream Condition and Function: Score from 0 to 4 indicating natural stream integrity and health (circle contributing factors): 0 = *extremely poor*; 1 = *poor*; 2 = *fair*; 3 = *good*; 4 = *excellent*

	Before	After
Dimension (incised, over-wide, highly variable, channelized)		
Pattern (straightened, sharp bends, cutting into hillslope)		
Profile (lacking bedform diversity, over-steep riffles, head-cutting)		
Bank stability (eroding bends, high banks, steep banks, lack of roots, high stress)		
Bed sediment (embedded with fines, excessive scour, excessive bars)		
Floodplain connection (filled, drained, levees, aggrading)		
Vegetation (natives removed, invasive plants, poor shade and food sources)		
Water quality (turbid, algae, slime, odor, foam, temperature)		
Habitat (poor bedform, poor cover, uniform flow, lack of food and refuge)		
Macroinvertebrates/fish (missing populations, tolerant organisms)		
Livestock/human access (trampled banks, missing vegetation, fecal deposition)		
Discharges (stormwater, wastewater, agricultural runoff, dumping)		
Constraints (roads, bridges, culverts, sewer lines, utilities, property lines)		
Interventions (armoring, piping, filling, dredging)		
Upstream impacts (stormwater, sediment, wastewater, agriculture, roads)		
Total Score		

Comments: