

Lick Creek - Winter 2007 Fieldwork
Findings and Recommendations

Table A-1: APPROVED IMPACTS

Approved wetland, buffer, and stream impacts at development sites.

Site ID	Name and Location	Type (Buffers, Wetlands, Stream Xing)	Description	Agency for Follow-up	Priority for Further Action
IB-110 and UT-111	Wetland in Brightleaf - north of Woodsdale and 2800-3000 Prospect Parkway; near Alyea Ct.	Permitted Buffer Impact-Development; Permitted Wetland Impact-Development	Sewer ROW cuts across wetland. Wetland buffer destroyed by sewer ROW and subdivision. Impacts approved (SEE NW 12 permit). Investigate if hydrologic and ecosystem impact study was conducted. Per Joe Pearce, S&E NOV issued and wetland restoration plan for sediment removal completed as of May 8, 2007.	DENR DWQ; USACOE; Durham City-County Planning (Zoning Enforcement); Engineering Plan Review	High
IB-310	South of and parallel to 800-1000 block of Poplar in Brightwood Trails	Permitted Buffer Impact-Development;	Sewer easement at the top of slope has 10-20 foot buffer from what appear to be forested wetlands.	DENR DWQ; Durham City-County Planning (Zoning Enforcement); Engineering Plan Review	High
MI-301, OT-301	Brightleaf Detention Pond, near Pickard Place	Permitted Buffer Impact-Development; Stream Impact	Post-construction stormwater pond has been built in stream, seemingly violating buffer rules. Facility was not designed with an inlet for the stream flows, which have cut a gully through the upstream berm. However, DENR DWQ determined that this reach is not a stream. USUSACOE Approved Impact #8-3. Upstream of the pond, the stream is to be piped.	DENR DWQ	High
RCH-501	West of Copperleaf and Hemlock Hill Rd	Permitted Buffer Impact-Development	Trees cut in the buffer. However, only the lower part of the stream shows on soils map.	DENR DWQ; Durham City-County Planning (Zoning Enforcement); Engineering Plan Review	Low
SC-125	Hillview Dr. crossing	Stream Crossing - Road	24" double concrete culvert with failing embankment along roadway.	DENR DWQ	High
SC-301	Golden Belt Parkway	Stream Crossing - Road	Large amount of fill used. Large culverts used, not bottomless culvert. Not flow-aligned. Future scour and bank erosion likely.	Durham County S&E and City SWS	Low
UT-301 & 302	Brightleaf	Stream Crossing - Sewer	Large amount of fill used for sewer crossing. Sewer not designed to minimize crossings.	TBD (in City)	Medium
UT-303	Brightleaf	Stream Crossing - Sewer	Poorly design sewer crossing immediately upstream of diabase sill. Uniform, rip rap channel appears undersized, does not account for bend in stream. Lacks smooth transition from engineered channel cross-section to existing channel cross-section.	TBD (in City)	Medium
MI-208	Dirt Farm, off Coley Rd.	S&E-Ag exempt; Stream Impact	Owner, Allen Curin, indicates that the existing headwater stream on the property is going to be filled in the future. Owner indicates that he has a permit to fill from the USACOE.	USACOE; DENR DWQ	High