

Lick Creek - Winter 2007 Fieldwork  
Findings and Recommendations

<b>Table A-6: MAJOR RESTORATION PROJECTS</b>							
Restoration projects requiring design by professional, permitting, construction by contractor.							
Project Types: wetland creation, stream repair, stormwater retrofit, buffer creation, reforestation							
Site ID	Name and Location	Project Type	Description	Agency for Follow-up	In City?	Priority for Further Action	Size as Drainage Area (ac) or Length (ft)
R-300	Pizza Hut-Burger King at Route 70 and Mineral Springs Rd	Stormwater Retrofit	Create pocket wetland in remnant forest and intermittent stream area between fast food restaurants and adjacent businesses. Forest area is degraded, with much erosion and trash. No stormwater treatment present. Drainage area includes Pizza Hut parking lot, Burger King, and portions of Mineral Springs Road and Route 70 intersection.	NC DOT; Durham County Stormwater	Outside City	High	6 ac
R-301	Route 70 Outfall adjacent to Budget Truck Rental	Stormwater Retrofit	Create forested wetland by installing forebay downstream of 42" outfall and embankment in flat forested area. Drainage area includes commercial, residential, and highway land uses with no stormwater treatment. However, the forested floodplain provides existing benefits.	NC DOT; Durham County Stormwater	Outside City	High	9 ac
IB-350	Downstream of Olive Branch Rd	Wetland Restoration	Area planned for stream restoration. Restoration should include significant buffer plants. Also a possible site for wetland restoration.		Outside City	High	712 ft
IB-502, 503, 504, 506, 508	Falls Village Golf Course	Buffer Plantings	Streams are unbuffered where crossing fairways. A no mow buffer should be established. Contact superintendent regarding buffer mowing and nutrient management.	EEP; SWCD; City SWS	In City	High	1996 ft
IB-507	Falls Village Golf Course	Wetland Restoration	Wet area downstream of cart booth is a candidate for restoration.	EEP; SWCD; City SWS	in City	High	94 ft
ER-110	RCH-113 below Snappy's Lake at Brightleaf	Stream repair	Large headcut from new drainage channel from lake. This has occurred recently. 20ft radius 4-12 ft deep.	TBD	In City	High	<100 ft
ER-120 and IB-120 and ER-150	RCH 120 South of Ravenstone (near OT 122)	Stream restoration and buffer planting	Erosion at OT122 discharge and along reach. This is upstream of planned restoration sites. Banks are eroded, channel actively widening. Buffer removed when clearing forest. Future uncertain due to extensive new development upstream. Further downstream, small tribs are all showing extensive headcutting into main channel. Recommended major buffer planting. Possibly reconnect to floodplain.	TBD	In City	High	IB-120 = 1883 ft

Lick Creek - Winter 2007 Fieldwork  
Findings and Recommendations

<b>Table A-6: MAJOR RESTORATION PROJECTS</b>							
Restoration projects requiring design by professional, permitting, construction by contractor.							
Project Types: wetland creation, stream repair, stormwater retrofit, buffer creation, reforestation							
Site ID	Name and Location	Project Type	Description	Agency for Follow-up	In City?	Priority for Further Action	Size as Drainage Area (ac) or Length (ft)
IB-110	Wetland between Woodale and Alyea Ct in Brightleaf	buffer planting	This wetland buffer was completely destroyed by sewer ROW and residential development. Either try to replant along ROW or mitigate elsewhere.	TBD	In City	High	1667 ft
UT-401, ER-401	Power Easement west of Virgil Rd	Stream Stabilization; Buffer Plantings	Severe erosion downstream of power easement warrants stabilization. This may require buffer plantings, stormwater detention in easement, wetland restoration, and/or bank stabilization.	TBD	Outside City	Medium	223 ft
MI-100	Powerline Easement	Buffer Plantings	No buffers and often a lot of sediment coming off of dirt roadway/steep slopes.	TBD	Outside City	Medium	
R-302	Triangle Point Apartments on Angier Rd	Stormwater Retrofit	Upstream of OT-101, OT-312, ER-100. Create wet swale to treat parking lot runoff from Discovery Way and Beta Loop. Small drainage area. At least 1 utility conflict. Construction constrained by proximity of building foundations and steep slope downstream.	City SWS	In City	Medium	1.4 ac
OT-102; OT-103; OT-104; ER-100	Triangle Point Apartments on Angier Rd	Stormwater Retrofit	In addition to OT-101 that is addressed with R-302, approx. 6 acres of uncontrolled runoff from the Triangle Point Apartments discharges to outfalls with scour that undermines the endsections. Rip rap along slope in fairly good condition. Significant erosion where rip rap stops. Fairly decent stream that could be protected by capture of the channel protection volume upstream. These sites are constrained by the small amount of open space, steep slopes, and utilities. Retrofitting is possible but may be expensive.	City SWS; Durham County Stormwater	In City & in County	Medium	up to 6 ac