

Lick Creek - Winter 2007 Fieldwork
Findings and Recommendations

Table A-2: ENFORCMENT						
Needed enforcement actions including S&E-Development, S&E-Ag Exempt, S&E-Forestry, IDDE (Illicity Discharge).						
Site ID	Name and Location	Violation Type	Description	Agency for Follow-up	Priority for Further Action	Reported during Fieldwork?
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.	Durham County S&E	High	No
ER-111	RCH 112 at Brightwood Trail	S&E-Development	Failing silt fence and perimeter embankment at construction site (no actual OT was identified). Erosion also occurring on old pond embankment. Per Joe Pearce, NOV issued and site stabilization in progress as of May 8, 2007.	Durham County S&E	Very High	Yes. S&E NOV issued.
IB-160	RCH162	Buffer Impact-Forestry	Several areas of impacted buffer from timber harvesting. Logging road in wetland at a few locations. Flagging for wetland delineation should be checked.	NC Div of Forestry; USACOE	High	No
IB-210	Kingsmill Farm, off Kemp Rd	S&E-Ag exempt	Farm is clearing land adjacent to streams, violating Neuse 50' buffer protection rules. Roads are being built with no S&E control.	DENR DWQ; SWCD	High	No
IB-211	1915 Southview Rd.	Wetland Impact	Homeowner has filled wetland behind his property. Road is being built with unstable culverts as road crossing. Need to report wetland filling to prevent further filling.	USACOE; Durham County	High	No
MI-201	Gravel operation, off Virgil Rd.	IDDE; S&E - Ag Exempt (?)	Maker of large concrete blocks. No permanent structures on site, so not sure if still in operation. Facility has failing sediment basin discharging into stream. Investigate if the site needs a NPDES permit. Follow-up as a potential illicit discharge.	DENR DWQ	Medium	No
MI-205	Kingsmill Farm, off Kemp Rd	S&E-Development	Site has sediment basin that is filled with sediment and algae.	Durham County S&E	Medium	No
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	Medium	No
MI-301, OT-301	Brightleaf Detention Pond, near Pickard Place	Post-Construction Stormwater	In use as S&E pond, facility does not have an inlet for the stream flows, which have cut a gully through the upstream berm. Emergency spillway discharges to fill slope. Scour at outlet has undermined endsection. Per John Cox, these issues will be addressed during as-built review when the pond is converted from S&E to post-construction.	City SWS	High	Yes.

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MI-303	Brightleaf - Golden Belt and Creighton Hall	Post-Construction Stormwater	Pond has a short (<5') flow path and lacks vegetation. Add baffle and vegetation.	City SWS	Medium	No
MI-307	Brightwood Trails - off Buckwood Ct	S&E-Development	Slopes of old, breached farm pond are not adequately stabilized. Silt fence seems to be overtopped.	Durham County S&E	Medium	No
MI-308, 309, 310	Parallel to Poplar in Brightwood Trails	S&E-Development	Silt fences filled to brim. Sediment basins are full. NOV issued	Duham County S&E	Very High	Yes. S&E NOV issued.
MI-311	Sewer Pump Stationn in Brightwood Trails	S&E-Development	Gap in silt fence at pumphouse allows sediment discharge to the wetland. Per Joe Pearce, NOV issued and wetland restoration in progress as of May 8, 2007.	Durham County S&E	High	Yes, but follow-up needed
MI-511	River Dance Dr and Parker Falls Dr	S&E-Development	Failed sediment basin.	Wake County	Medium	No
MI-512	Mossy Ridge Ct Lot 15	S&E-Development		Wake County	High	Yes. Additional follow-up needed
OT-110	Sediment Basin at McCool Ct in Brightleaf	S&E-Development	Sediment needs to be cleaned out of pond. Discharge from outfall is turbid, however it is discharging to sewer ROW prior to stream	Durham County S&E	Low	Yes. Additional follow-up needed
OT-111	Pond at Prospect in Brightleaf	S&E-Development	Pond discharges directly into wetland. Turbid discharge and sediment deposition in wetland obvious. Inspector hadn't seen this pond before. Durham County will review the location of the pond.	Durham County S&E	Very High	Yes. Additional follow-up needed
OT-112	Sediment pond at Alyea Ct.	S&E-Development	Pond needs to be cleaned out. Discharges to forested buffer area. Per Joe Pearce, NOV issued and wetland restoation plan completed as of May 8, 2007.	Durham County S&E	Very High	Yes. S&E NOV issued.
OT-113	Sediment Basin east of Eagle Lodge Rd in Brightleaf	S&E-Development	Poor inlet protection on cul-de-sac. Slope not stabilize. Erosion at inlet. Turbid discharge into forested area. Pond to be cleaned out	Durham County S&E	High	Yes. Additional follow-up needed
OT-114	Sediment pond at intersection of Prospect and Morehead Hill Ct in Brightleaf subdivision	S&E-Development	Need to seed slope of pond. Outlet needs to be stabilized and a new energy dissipator. Riser clogged and needs gravel cleaned.	Durham County S&E	High	Yes. Additional follow-up needed
OT-116	Outfall from large pond at end of Ravenstone Ln	S&E-Development	Filter cloth at outlet is on top of rip rap at pond currently used for S&E.	Durham County S&E	Medium	Yes. Additional follow-up needed
OT-120	Outfall into Snappy's Lake - Brightleaf Tract 5 Phase II	S&E-Development	Need to remove excess sediment with shovel. Repair failing silt fence and clean rip rap. Evidence of recent attempt to stabilize slope. More than 4" sediment deposited in buffer.	Durham County S&E	High	Yes. Additional follow-up needed

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OT-121	Eagle Lodge Rd near SC 120	S&E-Development	Outfall with sediment deposition. Needs improved inlet protection. Remove sediment	County	Medium	No
OT-120; OT-121; SC-120	Snappy's Lake in Brightleaf subdivision. North of Prospect Parkway and east of Eagle Lodge Ln.	S&E-development	Existing pond not supposed to be receiving untreated stormwater runoff. Extensive turbidity in pond. Took water sample.	Durham County S&E	High	Yes. Additional follow-up needed
OT-127	In backyard of home on Woodtrellis Ct	S&E-Development; Post-Construction SWM	Erosion below where outfall discharges to steep slope. They have tried to repair with extensive rip rap, however more erosion occurring where rip rap stops. Excessive sediment being transported to stream below at SC-125	Durham County S&E	High	Yes. Additional follow-up needed
OT-128	Between Grandimere Ct and Ravenstone Ct	S&E-Development; Post-Construction SWM	Similar to OT-127, however extensive S&E matting recently installed. Keep an eye on this as below rip rap head cut and slope failure beginning.	Durham County S&E	Low	No
OT-129, OT-130, OT-131, OT-132, OT-136, OT-137, OT-134, OT-135	RCH-122 Between Olive Branch and Hester Rd	IDDE	Multiple PVC and 4" corrugated HDPE pipe outfalls in backyards. These are likely septic and basement discharges. Should follow-up with homeowner education and inspections for chlorinators.	DENR DWQ	Medium	No
OT-133	RCH-122 Between Olive Branch and Hester Rd	IDDE	Discharge smells distinctly like sewage	TBD (Outside City)	High	No
OT-139	211 Olive Branch Rd (front yard)	IDDE	Sudsy water that smelled like laundry soap discharging to ditch in front yard. Drains to RCH 122. Investigate as potential IDDE	TBD (Outside City)	High	No
OT-154	RCH 151 between Bookman and Rondelay	IDDE	Sudsy discharge. Investigate as potential IDDE	TBD (Outside City)	High	No
OT-155, SC-152, OT-156	RCH 151 between Bookman and Rondelay	IDDE	Multiple small pipe outfalls in backyards which are likely septic and basement discharges. Should follow-up with homeowner education and inspections for chlorinators.	DENR DWQ	Medium	No
RCH 105	Between HWY 70 and powerline ROW/Leesville Rd	S&E-Ag exempt	Receiving, stockpiling, and selling fill dirt. Should file complaint based on insufficient S&E and violation of Neuse nutrient/buffer rules. Stockpile slopes too steep, no vegetative cover. 1160 linear feet of stream affected.	DENR DWQ	High	Yes. Follow-up needed

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SC-111	North Durham Parkway Rd in Brightleaf subdivision	S&E-Development; Culvert repair	20-30 ft revetment with embankment failure. Has been reported previously by S&E inspector. Per Joe Pearce, NOV issued and wetland restoation plan in progress as of May 8, 2007.	Durham County S&E	High	Yes. S&E NOV issued.
SC-112	On new road extension near Alyea Ct in Brightleaf subdivision	S&E-Development	Need S&E upstream of culvert in cleared electric ROW. Need to use S&E matting in channel. Per Joe Pearce, NOV issued and wetland restoation plan completed as of May 8, 2007. Headwalls need to be installed as of May 8, 2007.	Durham County S&E	Very High	Yes. S&E NOV issued.
SC-120	Prospect Rd before Brightleaf Circle	S&E-Development; Culvert repair	Extensive sediment deposition in and below culvert in Snappy's Lake to be cleaned out. Culvert is 30" corrugated HDPE with slope failure around flared end. Improve S&E on upstream side.	Durham County S&E	High	Yes. Additional follow-up needed
SC-125	Hillview Dr.crossing	S&E-Development; Culvert repair	24" double concrete culvert with failing embankment along roadway. Excessive sediment to be removed, and in-stream silt fence to be repalced with upstream S&E control. Improve S&E upstream.	Durham County S&E; DENR DWQ	Very High	Yes. Additional follow-up needed
SC-126	Eastern Hillview Dr. crossing	S&E-Development; Culvert repair	Major embankment failure and sediment deposition in stream. Silt fence along roadway installed improperly. Gravel throughout floodplain. Improve inlet protection. Per Joe Pearce, wall repair in progress as of May 8, 2007.	Durham County S&E	High	Yes. Additional follow-up needed
SC-201	Kintail Drive.	S&E-Development	Existing residential development site with no erosion and sediment control along banks of stream.	Durham County S&E	High	Yes. Additional follow-up needed
SC-205	Ennis Ct.	S&E-Development	Existing residential development site with failing sediment and erosion control. Stream in front yard of home with no buffer.	Durham County S&E	High	Yes. Additional follow-up needed
SC-209	6103 Kemp Rd	S&E-Ag exempt; Buffer Impact Junk Yard	Site is used as a junk yard and makeshift lumber operation. Site has stream impacts.	DENR DWQ	Medium	No