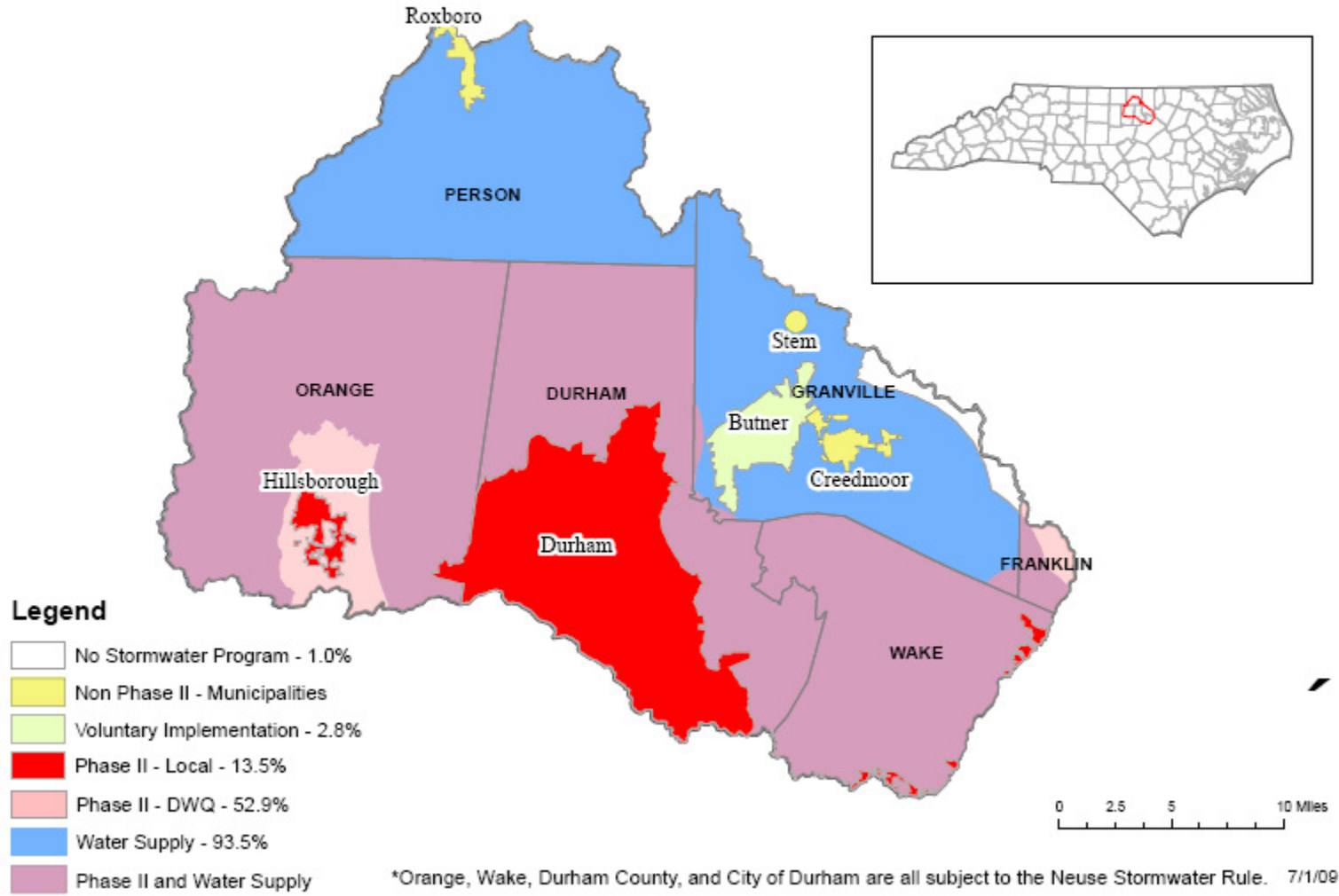




# Falls Lake Discussion State Program Requirements

July 6, 2009

# Falls Lake Watershed Stormwater



# Programs in Fall Watershed

Local Government	Phase II		Neuse NSW Stormwater Rules	Water Supply Watershed Stormwater Requirements	USMP	Stream, Wetland, Buffer (401)	Erosion & Sediment Control	
	State	LG Implement					LG Implement	LG Implement
<b>Municipalities</b>								
Butner				X	X	X		X
Creedmoor				X		X		X
Durham		X	X	X		X	X	
Hillsborough		X		X		X		X
Raleigh		X	X	X		X	X	
Roxboro				X		X		X
Stem				X		X		X
<b>Counties</b>								
Durham	X		X	X		X	X	
Franklin	X			X		X		X
Granville				X		X		X
Orange	X		X*	X		X*		
Person				X		X		X
Wake	X		X	X		X	X	

Notes:

\* = Orange county delegated authority of Neuse buffer rules

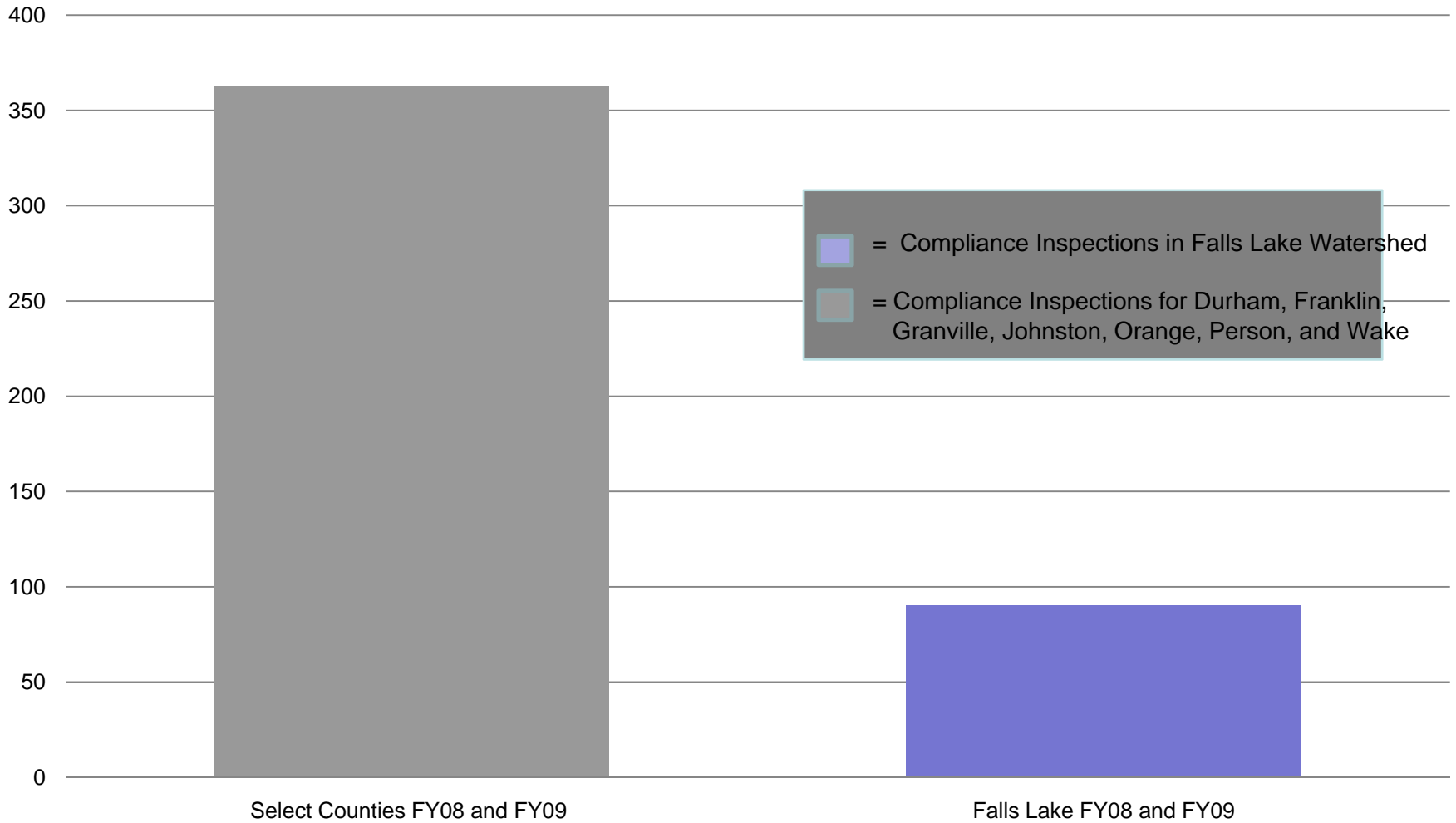
# Requirements

## Program Requirements

Requirement (Based on Classification)	WS-II	WS-III	WS-IV	USMP	Neuse NSW	Phase II
<b>Stormwater Requirements</b>						
Low Density Max. Built Upon Area (BUA) (1)	6%	12%	24%	Note 11	N/A	24%
High Density Max BUA (2)	24%	30%	50%	Note 11	N/A	None
Low Density Setback	30'	30'	30'	30'	50' RB	30'
High Density Setback	100'	100'	100'		50' RB	30'
S/W Control Req. for High Density (3)	1" R/O	1" R/O	1" R/O	1" R/O	Peak reduc.	1" R/O
TSS Removal Requirement	85%	85%	85%	85%	None	85%
Stormwater Drawdown (4)	Note 4	Note 4	Note 4	Note 4	Note 4	Note 4
Vegetated Conv, for Low Density (5)	Yes	Yes	Yes			Yes
Deed/Property Restrictions Required (6)	Yes	Yes	Yes	Yes		Yes
Cluster Dev. Allowed (7)	Yes	Yes	Yes	Yes		Yes
10/70 Provision Allowed (8)						
NSW Load Limits (10)				Note 10	Yes	
<b>Buffer Requirements</b>						
Low Density Setback	30'	30'	30'	30'	50' RB	30'
High Density Setback	100'	100'	100'		50' RB	30'

CA - Critical Area, BW - Balance of Watershed, NSW - Nutrient Sensitive Waters, RB - Riparian Buffer, RO - Runoff, TSS - Total Suspended Solids, WS - Water Supply watershed, USMP - Universal Stormwater Management Prog

# # of compliance inspections conducted by the RRO: Construction Stormwater, 401 WQC, Buffer, etc.



	Select Counties FY08 & FY09	Falls Lake Watershed FY08 & FY09	% of inspections in Falls Lake Watershed
# of compliance inspections	363	90	25

FY = EPA Fiscal Year (Oct 1-Sept 31); Data Represents 21 months; the above inspections are target inspections or complaints

## Results of Compliance Inspections for the Falls Lake Watershed FY08 & FY09

	Durham County	Franklin County	Granville County	Orange County	Person County	Wake County	Totals
# of inspections	13	4	35	35	1	2	90
NCG010000 inspections	5	2	23	28	0	0	58
401 inspections	7	4	14	16	1	2	44
Buffer Impacts (sq ft)	313,525	0	168629	13801	0	0	495,955
Buffer Impacts (acres)	7.2	0.0	3.9	0.3	0.0	0.0	11.4
Stream Impacts (LF)	3,725	4	1538	736	30	0	6,033
Stream Impacts (miles)	0.705	0.001	0.291	0.139	0.006	0.000	1.1
Wetland Impact (acre)	0	0	8.07	0.25	0	0	8.3
NCG010000 Violations	2	0	11	3	0	0	16
401 Violations	5	1	9	8	1	1	25
# of NOVs	9	1	12	8	1	0	31

## Select County Compliance Inspection Results for FY08 & FY09

	Durham County	Franklin County	Granville County	Johnston County	Orange County	Person County	Wake County	Totals
# of inspections	18	25	43	60	54	1	162	363
NCG010000 inspections	8	19	29	35	38	0	99	228
401 inspections	6	11	11	13	24	1	46	112
Buffer Impacts (sq ft)	323781	40740	168629	275356	8351	0	202969	1,019,826
Buffer Impacts (acres)	7.4	0.9	3.9	6.3	0.2	0.0	4.7	23.4
Stream Impacts (LF)	5033	607	2681	8716	1811	30	9460.5	28,339
Stream Impacts (miles)	0.953	0.115	0.508	1.651	0.343	0.006	1.792	5.4
Wetland Impact (acre)	0	0.69	8.07	1.78	0.36	0	1.835	12.7
NCG010000 Violations	1	11	14	14	6	0	21	67
401 Violations	6	4	8	8	12	1	16	55
# of NOVs	10	5	13	27	14	1	52	122

FY = EPA Fiscal Years Oct 1-Sept 31; Data Represents 21 months; # of inspections include NCG010000, 401 and miscellaneous inspections such as complaints, turbidity, buffer, etc...

**Single Family Residential Filter Systems  
Permit Compliance in the Raleigh Region:  
March 2008 and 2009**

	FY 2008	FY 2009	Total
<b># Single Family* Permitted Facilities in RRO</b>	681	716	716
<b>% SF NPDES Inspections by the RRO</b>	10% (70 inspections)	14% (101 inspections)	23.8% (171)
<b>% Failure to Monitor</b>	98%	97%	97.4%
<b>% Failure to have Chlorine Tablets</b>	60%	60%	60%
<b>Permittee explained to DWQ inspector that septic tank pumped w/in last 3-5 yrs.</b>	92%	78%	83.7%
<b>Straight pipe (gray water)</b>	8.7%	4%	6%

\* Chatham, Durham, Granville, and Person

# WWTP Compliance Summary

(March 2007 – April 2009)

- 15 NPDES Dischargers (3 Major / 12 Minor)
- 25 Compliance Evaluation Inspections
- 63 Notice of Violations
- 10 Civil Penalty Assessments
- 160 Sanitary Sewer Overflows





# Questions

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# Slides in Reserve

# Draft schedule to meet HB 1099 Deadline

**Draft Falls Lake Process Timeline**  
**Schedule Required to take final rules to the July 2010 EMC Meeting**  
*(Subject to Change)*

Phase	Task	#	Complete Date	2007				2008				2009				2010				2011			
				LEGISLATIVE SESSION				LEGISLATIVE SESSION				LEGISLATIVE SESSION				LEGISLATIVE SESSION				LEGISLATIVE SESSION			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Stakeholder Process	9 Meetings, developed and facilitated by Triangle J COG	13	Sep-09																				
Rule Making	Draft rule text	4	Sep-09																				
	Draft fiscal analysis	4	Oct-09																				
	Fiscal Review & Approval	3	Jan-10																				
	WQC okay to take to EMC	1.5	Nov-09																				
	EMC okay for public comment	1.5	Jan-10																				
	Public Comment	2	Mar-10																				
	Hearing Officers Deliberate	2	May-10																				
	EMC Adopts	1.5	Jul-10																				
	Rules Review Commission	5	Dec-10																				
	Goes to NC General Assembly	*	Jan-11																				
<b>HB 1099</b>	<b>HB 1099 Proposed NMS DEADLINE</b>		<b>Jul-10</b>																				