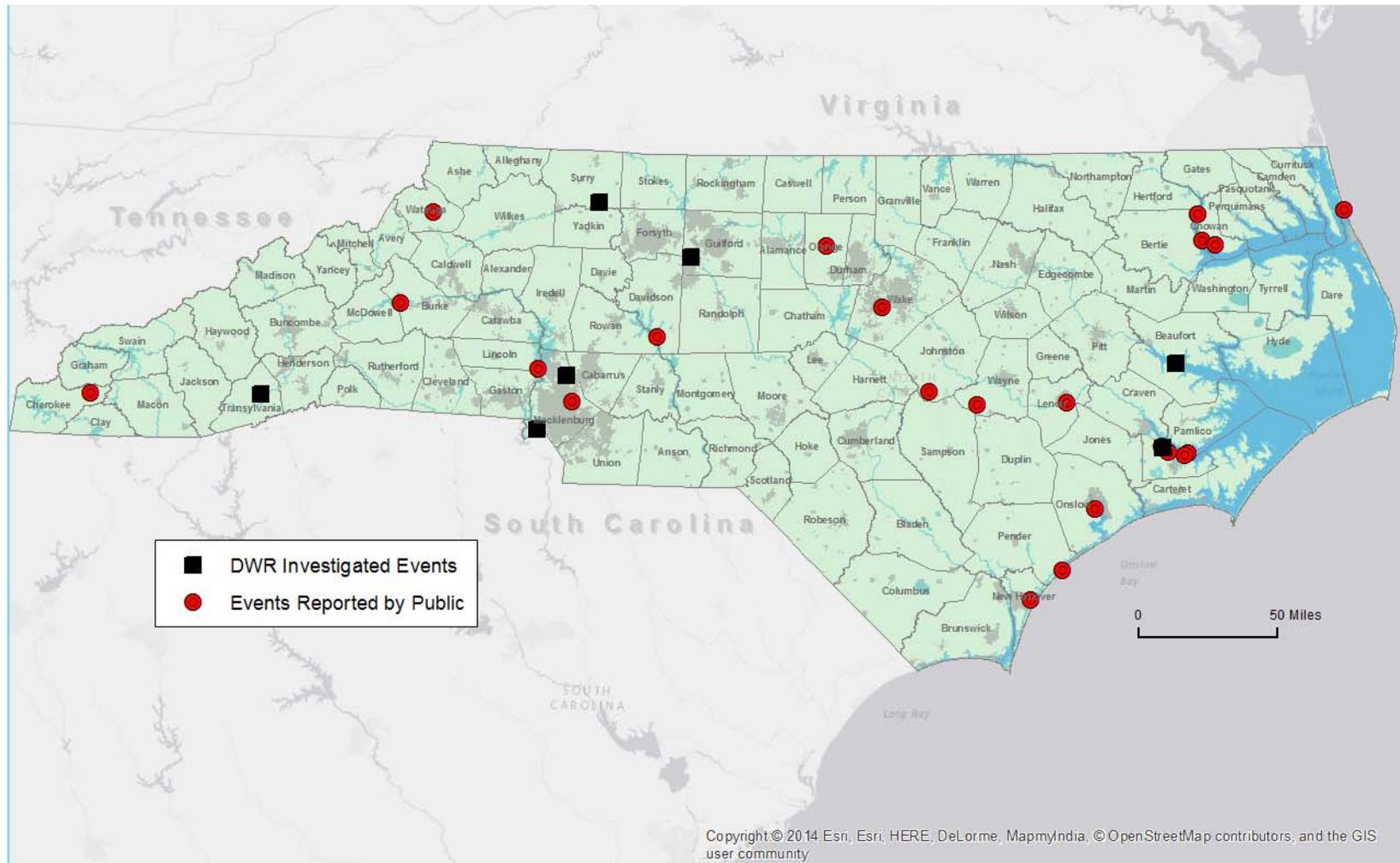


Figure 1: Fish kill events and public sightings reported to DWR during 2016



2016 Confirmed Fish Kill Events (by County)

Date	Kill Number	Waterbody	Location	Mortality	Comments
Beaufort					
8/23/2016	WA16002	Pamlico River	Sparrow Bay	10,000	EMT staff investigated a fish kill on the Pamlico River August 23. The kill area extended approximately 3 miles paralleling the shoreline near Crystal Beach/Sparrow Bay. Most of the species affected were menhaden. Blue crabs and live schooling menhaden were observed in the area at the time of the investigation. Bloom conditions were ongoing in this area during the investigation. Green water was not observed, however the dissolved oxygen fell to zero just below the photic zone around 2 meters depth. Citizens reported the kill late Friday afternoon. Strong thunderstorms came through the Pamlico river the previous evening. this may have caused some overturn in the hypoxic bottom waters. The Pamlico River has experienced strong sun, high water temperatures, and heavy precipitation during the summer. Bloom samples were taken to DWR's chemistry lab for analysis. Samples contained <i>Cylindrospermopsis</i> and <i>Anabaena spiroides</i> . All species were typical for North Carolina estuaries during the summer months.
Total Kills for County: 1 Total Mortality for County: 10,000					
Craven					
6/16/2016	WA16001	Neuse River	Fisher Landing	10,000	Fish kills observed by Lower Neuse River Keeper in early June and again in July near Fisher Landing.
Total Kills for County: 1 Total Mortality for County: 10,000					
Guilford					
7/28/2016	WS16002	Oak Hollow Lake	Near Intake	600	Hot, dry weather preceding and during event. Water temperature was measured above 94F. Low dissolved oxygen detected in deeper cooler water. Surface film observed on water - reddish brown color.
Total Kills for County: 1 Total Mortality for County: 600					
Mecklenburg					
8/1/2016	MO16002	Dream Lake	Charlotte	30	A large population of Canada Geese observed at pond, droppings were abundant along the east half of the lake. This nutrient load may have contributed to the algal bloom and subsequent hypoxia in the pond. Low dissolved oxygen observed below surface. The algal bloom was much reduced two days later.
8/4/2016	MO16001	Private pond	Charlotte	2,600	Fish reported as gasping at surface. Kill in progress at time of investigation.

2016 Confirmed Fish Kill Events (by County)

Date	Kill Number	Waterbody	Location	Mortality	Comments
					Total Kills for County: 2 Total Mortality for County: 2,630
Surry					
3/15/2016	WS16001	Candiff Creek	near Shoals	90	Event started at 1400 and lasted two hours. By time of investigation water was clear with live fish observed. Rain last 24 hrs. temps in high 70s. Swine waste spill in the area from a vandalized pump.
					Total Kills for County: 1 Total Mortality for County: 90
Transylvania					
8/4/2016	AS16001	Kings Creek	Brevard Com College	150	Cause of event unknown. Water quality parameters measured within acceptable range. Some sewer work and construction activity in area but investigators could not tie directly to kill.
					Total Kills for County: 1 Total Mortality for County: 150