

## North Carolina Aquatic Weed Control Program 2024 WORK PLAN

COOPERATOR	PROJECT	ACRES	ACTIVITY	Total Project Cost	SDNCD&AW Fund	Cooperator Contribution	Receipt	NOTES
<b><i>Alternanthera philoxeroides</i> "Alligatorweed"</b>				<b>\$93,000</b>				
Camden County	Joyce Creek DD	1	herbicide applications	\$500	\$500	\$250	\$250	Not prior to June 15 (herring spawn)
	Hales Lake Ditch	2	herbicide applications	\$1,000	\$1,000	\$500	\$500	Not prior to June 15 (herring spawn)
	Pasquotank River		monitoring	\$300	\$300	\$150	\$150	Not prior to June 15 (herring spawn)
	Bell Farm Ditch	1.5	herbicide applications	\$1,000	\$1,000	\$500	\$500	Not prior to June 15 (herring spawn)
Chowan Soil & Water	Dillard's Millpond	2	herbicide applications	\$1,400	\$1,400	\$700	\$700	Not prior to June 15 (herring spawn)
	Cape Colony - Canals			\$500	\$500	\$250	\$250	
Currituck County	Drainage ditches		"	\$8,000	\$8,000	\$4,000	\$4,000	
Dare County	HWY 64 drainage canals	5.5	"	\$2,000	\$2,000	\$1,000	\$1,000	
Fayetteville, City of	BMP-25 structure	0.1	"	\$200	\$200	\$100	\$100	
Jones County	Trent River	3	"	\$1,000	\$1,000	\$500	\$500	
Nags Head, Town of	Stormwater drainage	6	"	\$3,000	\$3,000	\$1,500	\$1,500	~6 miles of ditches
NC Division of Coastal Management	Buckridge Coastal Reserve (NW Fork & Alligator River)	6	"	\$2,500	\$2,500	\$1,250	\$1,250	Not prior to July 1 (grant parameter)
NC WRC - Land & Water Access	Northeast NC Waterfowl Habitat Improvement	244	"	\$13,500	\$1,550	\$11,900	-	WRC to purchase herbicide and do applications
High Point, City of	City Lake	15	"	\$22,500	\$22,500	\$11,250	\$11,250	DWR contract
	Oak Hollow Lake	5	"	\$7,500	\$7,500	\$3,750	\$3,750	
Pasquotank County	Newland Drainage Canal	3	"	\$2,000	\$2,000	\$1,000	\$1,000	Not prior to June 15 (herring spawn)
	Pasquotank River	1	"	\$500	\$500	\$250	\$250	Not prior to June 15 (herring spawn)
	Pinelakes Canal System	0.5	"	\$500	\$500	\$250	\$250	Not prior to June 15 (herring spawn)
Perquimans County	Nicanor Drainage Area	1	"	\$3,000	\$3,000	\$1,500	\$1,500	DWR contract
Raleigh, City of	Lake Benson, Lake Wheeler, Simpkins Lake, Falls Lake		"	\$17,600	\$8,800	\$8,800	-	Cooperator contract
Rocky Mount, City of	Tar River Reservoir		"	\$1,000	\$1,000	\$500	\$500	
Wilson, City of	Lake Wilson	1	"	\$3,500	\$1,750	\$1,750	-	Cooperator contract
<b><i>Egeria densa</i></b>				<b>\$1,000</b>				
Fayetteville, City of	BMP-17 structure	1	herbicide applications	\$1,000	\$1,000	\$500	\$500	
<b><i>Hydrilla verticillata</i></b>				<b>\$696,570</b>				
see below	Eno River	22	herbicide applications project support	\$82,000 \$6,000	\$82,000 \$6,000	\$41,000 \$3,000	\$41,000 \$3,000	3rd year of DWR contract
see below	Jordan Lake - Folkners Branch	1	grass carp barrier 90 grass carp	\$5,000 \$1,400	\$5,000 \$1,400	\$2,500 \$700	\$2,500 \$700	fabrication and installation DWR contract
see below	Lake Gaston	198	herbicide applications	\$150,000	\$75,000	\$75,000	-	Cooperator contract
see below	Lake Norman	60	750 grass carp herbicide applications	\$6,000 \$15,000	\$6,000 \$15,000	\$3,000 \$7,500	\$3,000 \$7,500	DWR contract
		32,475	lake-wide survey	\$18,400	\$18,400	\$9,200	\$9,200	NCSU + Duke Energy
see below	Mountain Island Reservoir		150 grass carp survey	\$1,200 \$3,000	\$1,200 -	\$600 \$3,000	\$600 -	DWR contract Duke Energy to coordinate survey
see below	Lake Wylie	5	herbicide	\$6,000	\$2,000	\$4,000	-	Cooperator contract
Brookfield Smoky Mountain Hydropower	Lake Santeetlah	~2,880	lake-wide survey	\$5,000	\$5,000	\$2,500	\$2,500	
Cary, Town of	Jordan Lake	271	herbicide applications	\$93,000	\$93,000	\$46,500	\$46,500	
Chowan Soil & Water	Harris Landing	0.5	herbicide applications	\$700	\$700	\$350	\$350	year 6
	Old Ferry Rd.	1	herbicide applications	\$900	\$900	\$450	\$450	year 5
	Chowan River sites		monitoring	\$1,100	\$1,100	\$550	\$550	
	Cape Colony		monitoring	\$500	\$500	\$250	\$250	Boat basin & canal
Cube Hydro	Badin Lake	~5,350	lake-wide survey	\$5,750	\$5,750	\$2,875	\$2,875	NCSU
	Badin subimpoundments		survey	\$1,000	\$1,000	\$500	\$500	Ski Pond & Harper Hearn

	Palmerville Falls Reservoir	204	survey	\$0	\$0	\$0	\$0	included in Badin Survey
	High Rock Lake		herbicide applications survey	\$8,000	\$8,000	\$4,000	\$4,000	
	Tuckertown Lake	~2,560	lake-wide survey	\$4,600	\$4,600	\$2,300	\$2,300	NCSU
Duke Energy	Lake Tillery	~5,700	lake-wide survey	\$6,000	\$6,000	\$3,000	\$3,000	
	Lake Tillery	257	3,688 grass carp	\$30,000	\$30,000	\$15,000	\$15,000	DWR contract
	Lake Tillery	43	herbicide applications	\$43,500	\$43,500	\$21,750	\$21,750	
	Lake James	215	2,245 grass carp	\$14,000	\$14,000	\$7,000	\$7,000	DWR contract
	Shearon Harris Lake	~4,100	lake-wide survey	\$2,800	\$2,800	\$1,400	\$1,400	
Edenton, Town of	Filbert's Creek		monitoring	\$1,000	\$1,000	\$500	\$500	
	Queen Anne's Creek		monitoring	\$1,000	\$1,000	\$500	\$500	
Fayetteville, City of	Mintz Pond	18	herbicide applications	\$8,000	\$8,000	\$4,000	\$4,000	year 4
		18	lake-wide survey	\$800	\$800	\$400	\$400	
Four Oaks, Town of	Holt Lake	20	herbicide applications	\$15,000	\$15,000	\$7,500	\$7,500	DWR contract
		690	lake-wide survey	\$1,150	\$1,150	\$575	\$575	NCSU
Lewisville, Town of	Falmouth Lake		survey	\$400	\$400	\$200	\$200	
	Marblehead Lake		survey	\$400	\$400	\$200	\$200	
NC Parks & Recreation	Lake Waccamaw	950	herbicide applications	\$30,000	\$30,000	\$15,000	\$15,000	rapid response earmark (if needed); lake treated 2013-2019
			lake-wide survey	\$6,000	\$6,000	\$3,000	\$3,000	NCSU
	Morrow Mountain	0.5	herbicide applications	\$1,000	\$1,000	\$500	\$500	
	William B. Umstead		herbicide applications	\$7,500	\$7,500	\$3,750	\$3,750	Big Lake & Reedy Creek Lake
			lake-wide surveys	\$500	\$500	\$250	\$250	Big Lake & Reedy Creek Lake, Sycamore Lake
NC State University	Lake Raleigh	15	herbicide applications	\$8,000	\$8,000	\$4,000	\$4,000	
	Yates Millpond	1	herbicide applications	\$1,000	\$1,000	\$500	\$500	
	Roanoke Rapids Lake		survey	\$4,600	\$2,300	\$2,300	-	NCSU
NC WRC - Division of Inland Fisheries	Lake Rim		herbicide survey	\$4,000	\$4,000	\$2,000	\$2,000	DWR contract
			survey	\$800	\$800	\$400	\$400	
New Hanover County	Gordon Road Station	1	herbicide	\$1,500	\$1,500	\$750	\$750	year 5
Orange County	Eno River watershed		199 grass carp	\$2,000	\$2,000	\$1,000	\$1,000	DWR contract, multiple ponds
			herbicide applications	\$8,600	\$8,600	\$4,300	\$4,300	multiple waterbodies
			surveys	\$7,700	\$7,700	\$3,850	\$3,850	multiple waterbodies
Orange Water & Sewer Authority	Cane Creek Reservoir	86	2,070 grass carp	\$17,000	\$17,000	\$8,500	\$8,500	DWR contract
		15.5	herbicide applications	\$16,000	\$16,000	\$8,000	\$8,000	
			survey	\$2,000	\$2,000	\$1,000	\$1,000	
Oxford, City of	Lake Devin	103	survey	\$1,000	\$1,000	\$500	\$500	
Raleigh, City of	Lake Benson	5	20 grass carp	\$300	\$300	\$150	\$150	DWR contract
			herbicide applications	\$16,500	\$8,250	\$8,250	-	Cooperator contract
Rocky Mount Parks & Recreation	City Lake Park	1	survey	\$500	\$500	\$250	\$250	
Reidsville, City of	Lake Hunt	183	survey	\$1,000	\$1,000	\$500	\$500	
	Lake Reidsville		survey & herbicide	\$2,500	\$2,500	\$1,250	\$1,250	
US Army Corps of Engineers	Jordan tailrace	1	herbicide applications	\$1,500	\$1,500	\$750	\$750	
Whispering Pines, Village of	Thagard Lake		survey	\$1,000	\$1,000	\$500	\$500	
White Lake, Town of	White Lake	~1,200	lake-wide survey	\$5,520	\$5,520	\$2,760	\$2,760	NCSU
Wilson, City of	Buckhorn Lake	0.75	herbicide applications	\$600	\$600	\$300	\$300	
		~2,424	lake-wide survey	\$2,600	\$2,600	\$1,300	\$1,300	
<b>Ludwigia grandiflora "Creeping Water Primrose"</b>				<b>\$6,500</b>				
Piedmont Triad Regional Water Authority	Randleman Reservoir	2	herbicide applications	\$4,000	\$4,000	\$2,000	\$2,000	DWR contract
NC Parks & Recreation	Crowders Mountain	0.5	herbicide applications	\$2,000	\$2,000	\$1,000	\$1,000	DWR contract
Wilson, City of	Toisnot Lake	0.5	herbicide applications	\$500	\$500	\$250	\$250	
<b>Myriophyllum aquaticum "Parrotfeather"</b>				<b>\$31,400</b>				
Duke Energy	Lake Hickory	1.5	herbicide applications	\$1,000	\$1,000	\$500	\$500	DWR contract
	Lake Norman	16	herbicide applications	\$8,000	\$8,000	\$4,000	\$4,000	DWR contract

	Lookout Shoals	13	herbicide applications	\$5,000	\$5,000	\$2,500	\$2,500	
	Mt. Island Lake	1	herbicide applications	\$1,000	\$500	\$500	-	Cooperator contract
NC Parks & Recreation	Merchants Milpond		survey	\$1,000	\$1,000	\$500	\$500	NCSU
	Occoneechee Mountain	3.5	herbicide applications monitoring & herbicide	\$14,000 \$1,400	\$14,000 \$1,400	\$7,000 \$700	\$7,000 \$700	

**Myriophyllum spicatum "Eurasian milfoil" \$49,500**

	Kitty Hawk Bay		herbicide / survey	\$9,500	\$9,500	\$4,750	\$4,750	Coordinate with DMF and APNEP
	Jean Guite Creek/Canals		herbicide applications	\$40,000	\$40,000	\$20,000	\$20,000	Coordinate with DMF and WRC

**Phragmites australis \$70,000**

Camden County	One Mill Park	1	herbicide applications	\$800	\$800	\$400	\$400	
Nags Head, Town of	Glidden St. outfall ditch	0.25	herbicide applications	\$600	\$600	\$300	\$300	
	Finch St. outfall ditch	0.5	herbicide applications	\$600	\$600	\$300	\$300	
NC Aquariums	Jennette's Pier wastewater basin	0.5	herbicide applications	\$1,000	\$1,000	\$500	\$500	
NC Parks & Recreation	Carolina Beach S.P.	10	herbicide applications	\$10,000	\$10,000	\$5,000	\$5,000	DWR contract
	Dismal Swamp S.P.		survey & herbicide & applications	\$6,000	\$6,000	\$3,000	\$3,000	DWR contract
	Fort Fisher S.P.	8	herbicide applications	\$6,000	\$6,000	\$3,000	\$3,000	
	Goose Creek S.P.	7	herbicide applications	\$10,000	\$10,000	\$5,000	\$5,000	
	Hammocks Beach S.P.		survey & herbicide applications	\$500	\$500	\$250	\$250	
	Jockeys Ridge S.P.	<0.5	herbicide purchase	\$500	\$500	\$250	\$250	
	Pettigrew S.P.		herbicide applications	\$30,000	\$30,000	\$15,000	\$15,000	DWR contract
	Run Hill		survey	\$4,000	\$4,000	\$2,000	\$2,000	DWR contract

**Salvinia molesta \$142,000**

Columbus County	Gapway swamp		herbicide applications	\$122,000	\$122,000	\$61,000	\$61,000	DWR contract
			misc. fieldwork	\$20,000	\$20,000	\$10,000	\$10,000	

**Research**

NCSU - Environmental Aspects of Noxious Aquatic Weed Management				\$30,000	\$15,000	\$15,000	-	approved \$15k in 2023 for year 1
NC WRC - Lake Norman Grass Carp Mortality Study (bowfishing)								Radio tags failed. Bowfishing being considered.

**Public Awareness & Vector Management**

TBD	Printed material, workshops, etc.			\$4,000	\$2,000	\$2,000	-	
NCSU	River Surveys							2021 Work Plan included \$40K

**Total \$1,114,470 \$991,420 \$569,635 \$437,135**

**MULTI-COOPERATOR PROJECTS**

Project	Cooperators	Notes
Eno River	NC Parks, Orange Co., Durham Co., City of Durham, Town of Hillsborough	
Jordan Lake - Folkners Branch	NC WRC, USACE	
Lake Gaston	Halifax Co., Northampton Co., Warren Co., Dominion Power	Contribution will be based on reimbursement request from cooperator
Lake Norman	Lake Norman Marine Commission, Charlotte Water, Duke Energy	
Lake Norman GC Survivorship Study	NC WRC, Lake Norman Marine Commission, Charlotte Water, Duke Energy	
Lake Wylie	Duke Energy, Catawba Wateree Water Management Group	
Mountain Island Reservoir	Duke Energy, Charlotte Water, Charlotte-Mecklenburg Stormwater	