

Approved 2/27/23

North Carolina Aquatic Weed Control Program 2023 WORK PLAN

COOPERATOR	PROJECT	ACRES	ACTIVITY	Total Project Cost	SDNCD&AW Fund	Cooperator Contribution	Receipt	NOTES
Alternanthera philoxeroides "Alligatorweed"				\$56,000				
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		herbicide applications	\$500	\$500	\$250	\$250	
Currituck County	Drainage ditches		herbicide applications	\$4,000	\$4,000	\$2,000	\$2,000	
Dare County	HWY 64 drainage canals	5.5	herbicide applications	\$2,000	\$2,000	\$1,000	\$1,000	
Fayetteville, City of	BMP-25 structure	0.1	herbicide applications	\$200	\$200	\$100	\$100	
Jones County	Trent River	3	herbicide applications	\$1,000	\$1,000	\$500	\$500	
Nags Head, Town of	Stormwater drainage	6	herbicide applications	\$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	herbicide applications	\$1,800	\$1,800	\$900	\$900	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
Pasquotank County	Newland Drainage Canal	3	herbicide applications	\$2,000	\$2,000	\$1,000	\$1,000	Not prior to June 15 (herring spawn)
	Pasquotank River	1	herbicide applications	\$500	\$500	\$250	\$250	Not prior to June 15 (herring spawn)
	Pinelakes Canal System	0.5	herbicide applications	\$500	\$500	\$250	\$250	Not prior to June 15 (herring spawn)
Perquimans County	Nicanor Drainage Area	1	herbicide applications	\$3,000	\$3,000	\$1,500	\$1,500	DWR contract
Raleigh, City of	Lake Benson, Lake Wheeler, Simpkins Lake, Falls Lake		herbicide applications	\$17,500	\$8,760	\$8,760	-	Cooperator contract
Rocky Mount, City of	Tar River Reservoir		herbicide applications	\$1,500	\$1,500	\$750	\$750	
Wilson, City of	Lake Wilson	1	herbicide applications	\$800	\$800	\$400	\$400	
Egeria densa								
Fayetteville, City of	BMP-17 structure	1	herbicide applications	\$1,000	\$1,000	\$500	\$500	
Hydrilla verticillata				\$683,570				
see below	Eno River	22	herbicide applications	\$78,000	\$78,000	\$36,000	\$36,000	2nd year of DWR contract
			project support	\$6,000	\$6,000	\$3,000	\$3,000	
see below	Jordan Lake - Folkners Branch	1	grass carp barrier	\$5,000	\$5,000	\$2,500	\$2,500	fabrication and installation
			90 grass carp	\$1,400	\$1,400	\$700	\$700	DWR contract
see below	Lake Gaston	166	herbicide applications	\$131,000	\$65,500	\$65,500	-	
			750 grass carp	\$6,000	\$6,000	\$3,000	\$3,000	DWR contract
see below	Lake Norman	60	herbicide applications	\$9,000	\$9,000	\$4,500	\$4,500	
		32,475	lake-wide survey	\$18,400	\$18,400	\$9,200	\$9,200	NCSU + Duke Energy
see below	Mountain Island Reservoir		survey	\$3,000	-	\$3,000	-	Duke Energy to coordinate survey
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 5
	Old Ferry Rd.	1	herbicide applications	\$900	\$900	\$450	\$450	year 4
	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 included in Badin Survey
	Palmerville		survey	\$0	\$0	\$0	\$0	
	Falls Reservoir	204	survey & herbicide	\$1,000	\$1,000	\$500	\$500	
	High Rock Lake	8	herbicide applications	\$3,200	\$3,200	\$1,600	\$1,600	
			survey	\$5,750	\$5,750	\$2,875	\$2,875	NCSU
	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	\$5,800	\$5,800	\$2,900	\$2,900	
	Lake Tillery	130	1,860 grass carp	\$15,000	\$15,000	\$7,500	\$7,500	DWR contract
	Lake Tillery	69	herbicide applications	\$34,500	\$34,500	\$17,250	\$17,250	
	Lake James	17	1,725 grass carp	\$14,000	\$14,000	\$7,000	\$7,000	DWR contract
	Lake Wylie	9	herbicide	\$6,000	\$6,000	\$3,000	\$3,000	
	Shearon Harris Lake	~4,100	lake-wide survey	\$3,200	\$3,200	\$1,600	\$1,600	
Edenton, Town of	Filbert's Creek	2	herbicide	\$2,200	\$2,200	\$1,100	\$1,100	year 7
	Queen Anne's Creek		monitoring	\$1,000	\$1,000	\$500	\$500	
Fayetteville, City of	Mintz Pond	18	herbicide applications	\$8,400	\$8,400	\$4,200	\$4,200	year 3
		17	lake-wide survey	\$800	\$800	\$400	\$400	
Four Oaks, Town of	Holt Lake	333	1,875 grass carp	\$15,000	\$15,000	\$7,500	\$7,500	DWR contract
		20	herbicide applications	\$25,000	\$25,000	\$12,500	\$12,500	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		herbicide applications	\$50,000	\$50,000	\$25,000	\$25,000	rapid response earmark (if needed); lake treated 2013-2019
		950	monitoring	\$8,000	\$8,000	\$4,000	\$4,000	
	Morrow Mountain	0.5	herbicide applications	\$1,000	\$1,000	\$500	\$500	DWR contract
	W.B. Umstead (Big Lake, Reedy Creek Lake, Sycamore Lake)		herbicide applications	\$8,000	\$8,000	\$4,000	\$4,000	
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	\$8,000	\$8,000	\$4,000	\$4,000	
			survey	\$800	\$800	\$400	\$400	
New Hanover County	Gordon Road Station	1	herbicide	\$1,500	\$1,500	\$750	\$750	year 5
Orange County	Lake Orange	158	survey	\$800	\$800	\$400	\$400	
	Sediment structure #1	27	herbicide & survey	\$6,000	\$6,000	\$3,000	\$3,000	Compton's Pond (year 3)
	Sediment Structure #2	6	herbicide & survey	\$1,400	\$1,400	\$700	\$700	
	Sediment Structure #3	8	survey	\$200	\$200	\$100	\$100	
	Eno River watershed		survey	\$10,000	\$10,000	\$5,000	\$5,000	
Orange Water & Sewer Authority	Cane Creek Reservoir	52	960 grass carp	\$9,600	\$9,600	\$4,800	\$4,800	DWR contract
		11	herbicide applications	\$15,000	\$15,000	\$7,500	\$7,500	DWR contract
			survey	\$2,000	\$2,000	\$1,000	\$1,000	
Oxford, City of	Lake Devin	1	herbicide applications	\$1,000	\$1,000	\$500	\$500	
		103	survey	\$800	\$800	\$400	\$400	
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	\$3,200	\$3,200	\$1,600	\$1,600	
US Army Corps of Engineers	Jordan tailrace	1	herbicide applications	\$1,500	\$1,500	\$750	\$750	
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	

Ludwigia grandiflora "Creeping Water Primrose" \$36,000

High Point, City of	City Lake	15	herbicide applications	\$22,500	\$22,500	\$11,250	\$11,250	DWR contract
	Oak Hollow Lake	5	herbicide applications	\$7,500	\$7,500	\$3,750	\$3,750	
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	

Myriophyllum aquaticum "Parrotfeather" \$10,400

Duke Energy	Lake Hickory	1.5	herbicide applications	\$1,000	\$1,000	\$500	\$500	DWR contract
	Lookout Shoals	13	herbicide applications	\$3,000	\$3,000	\$1,500	\$1,500	
	Mt. Island Lake	1	herbicide applications	\$1,000	\$1,000	\$500	\$500	DWR contract

NC Parks & Recreation	Merchants Milpond		survey	\$1,000	\$1,000	\$500	\$500	NCSU
	Ocooneechee Mountain	3.5	herbicide applications monitoring & herbicide	\$3,000 \$1,400	\$3,000 \$1,400	\$1,500 \$700	\$1,500 \$700	
Myriophyllum spicatum "Eurasian milfoil"				\$10,500				
Kill Devil Hills, Town of	Kitty Hawk Bay		herbicide / survey	\$9,500	\$9,500	\$4,750	\$4,750	Coordinate with DMF and APNEP
Southern Shores, Town of	Jean Guite Creek		site assessment	\$1,000	\$1,000	\$500	\$500	
Phragmites australis				\$43,500				
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 Parks & Recreation	Carolina Beach S.P.	10	herbicide applications	\$12,500	\$12,500	\$6,250	\$6,250	\$10K for DWR Contract
	Dismal Swamp S.P.		survey & herbicide & applications	\$4,000	\$4,000	\$2,000	\$2,000	DWR contract
	Fort Fisher S.P.	2	herbicide applications	\$4,000	\$4,000	\$2,000	\$2,000	
	Goose Creek S.P.		herbicide applications	\$1,000	\$1,000	\$500	\$500	
	Hammocks Beach S.P.		herbicide purchase	\$500	\$500	\$250	\$250	
	Jockeys Ridge S.P.	<0.5	herbicide purchase	\$500	\$500	\$250	\$250	
	Pettigrew S.P.		herbicide applications	\$13,000	\$13,000	\$6,500	\$6,500	DWR contract
	Run Hill		herbicide applications	\$6,000	\$6,000	\$3,000	\$3,000	DWR contract
Salvinia molesta								
Columbus County	Gapway swamp		herbicide applications misc. fieldwork	\$130,000 \$10,000	\$130,000 \$10,000	\$65,000 \$5,000	\$65,000 \$5,000	DWR contract
Research								
NCSU - Environmental Aspects of Noxious Aquatic Weed Management				\$30,000	\$15,000	\$15,000	-	Year 1 of 2 (\$60k total)
NCSU - Evaluating the efficacy of Floryprauxifen-benzyl on North Carolina Noxious Weeds								2-year project (5/1/21 to 4/30/23)
NC WRC - Lake Norman Grass Carp Mortality Study (bowfishing)								Radio tags failed. Bowfishing being considered.
Public Awareness & Vector Management								
TBD	Printed material, workshops, etc.			\$3,000	\$1,500	\$1,500	-	
NCSU	River Surveys							2021 Work Plan included \$40K
Total				\$1,004,970	\$898,230	\$510,895	\$394,685	

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	
Mountain Island Reservoir	Duke Energy, Charlotte Water, Charlotte-Mecklenburg Stormwater	