	Cape Fear River Basin - Water Quality Action Plan 2016					
Action	Target	Time Frame : Lead :	Notes		Next Steps (identify outreach,	
	in this region between Lock and Dam #1 a	Status and Buckhorn Dam			engagement, funding opportunity)	
Action 13.10 Increase water	Blue-green algal blooms eliminated in known locations (particularly in the regions of Lock and Dams #1 and #2 and Northeast Cape Fear River) and future blooms prevented to help maintain minimum of 5 mg/l DO in spawning areas and reduce potential algal toxin formation.	Medium : UNCW and CFRW : In progress	Some increased monitoring has occurred, but serious funding is required. Monitoring continued in summer 2014, looking at nitrogen forms, including urea. Results show that nitrate-nitrogen is by far the most important N form in the river in the relevant reach. Monitoring increased to examine phosphorus loading, nitrogen fixation, and algal blooms formation between the two dams. The stress likely arises from low DO, with some chance that algal toxins may become a problem. UNCW means Larry Cahoon here. Note: Fayetteville PWC would like to see actions 2.30-2.35 implemented in coordination with each other (e.g., have one work group that coordinates on all of these actions).	NCDA&CS staff remains available to conduct these voluntary operation reviews and provide technical assistance to soil and water conservation districts and farmers.		
Action 13.12 Seek funding for additional water quality monitoring between Lock and Dam #1 and Buckhorn Dam	Blue-green algal blooms eliminated in known locations (particularly in the regions of Lock and Dams #1 and #2 and Northeast Cape Fear River) and future blooms prevented to help maintain minimum of 5 mg/l DO in spawning areas and reduce potential algal toxin formation.	Medium : UNCW : In progress	UNCW submitted proposals to Duke Energy Progress for research on conditions favoring algae blooms in the CFR (not funded), If necessary after 2012 data collection. UNCW means Larry Cahoon here. Note: Fayetteville PWC would like to see actions 2.30-2.35 implemented in coordination with each other (e.g., have one work group that coordinates on all of these actions).	CREP is continuing open enrollment into the program. Update of priority watersheds needs to be completed.		
Action 13.20 Develop a protocol to assess and monitor surface algal blooms to better document blue green algal problems	Blue-green algal blooms eliminated in known locations (particularly in the regions of Lock and Dams #1 and #2 and Northeast Cape Fear River) and future blooms prevented to help maintain minimum of 5 mg/l DO in spawning areas and reduce potential algal toxin formation.	Short : UNCW and CFPUA : in progress	UNCW has done some sampling to achieve this but has no legal status to initiate change, UNCW utilized a novel incubation technique (river water held in tall cylinders to mimic light-limiting, low-flow, high nutrient conditions) to detect Microcystis presence in pre-bloom conditions.	-		
Action 13.21 Continue to assess the relationship between blue- green algal blooms and BOD downstream of Lock and Dam #1	Blue-green algal blooms eliminated in known locations (particularly in the regions of Lock and Dams #1 and #2 and Northeast Cape Fear River) and future blooms prevented to help maintain minimum of 5 mg/l DO in spawning areas and reduce potential algal toxin formation	Short : UNCW : complete	UNCW has completed analysis between BG blooms and BOD, Note: Fayetteville PWC would like to see actions 2.30-2.35 implemented in coordination with each other (e.g., have one work group that coordinates on all of these actions).	-		
Action 13.30 Use all available data, including ambient monitoring and eDMR reports to assess impacts of wastewater treatment plants on the water quality in accordance with the standards between Lock and Dams #1 and #3	Blue-green algal blooms eliminated in known locations (particularly in the regions of Lock and Dams #1 and #2 and Northeast Cape Fear River) and future blooms prevented to help maintain minimum of 5 mg/l DO in spawning areas and reduce potential algal toxin formation.	Short : NCDWQ and UNCW : In progress	UNCW has been able to grow Microcystis in lab culture from river water samples before a major bloom occurs. Low flow conditions are critical to bloom formation. CFR nutrient levels are more than high enough to support blooms (see 13.1). Check that eDMR is only telling about waste water plantsis there other information there possibly? regional staff regularly check DMR reports to assure compliance and identification of wastewater treatment plant issues. The cape fear basin planner will review available data and work with the regional office staff to insure that all point source issues addressed prior to completion of the basin wide management pant. DWQ is currently working on the basin wide water quality management plan which will assess the WQ in this segment of the Cape Fear River basin. UNCW means Larry Cahoon here. Note: Fayetteville PWC would like to see actions 2.30-2.35 implemented in coordination with each other (e.g., have one work group that coordinates on all of these actions). DWR has said work has started on a Nutrient Criteria Development Plan will be required for the middle CFR basin.			

Action	Target	Time Frame : Lead : Status	Notes	Next Steps (identify outreach, engagement, funding opportunity)
Action 14.00: Define nutrient inp	uts into the Cape Fear River basin			
Action 14.10 Identify chicken and turkey and sod farm locations in the watershed	Nutrient input decreased	: In progress	UNCW Geography Dept. and CMS have used aerial photography and GIS to make solid progress in Id-in poultry farms in CFR (student theses projects). UNCW (funded by Waterkeeper) has submitted paper to journal re: this issue. The NC Secretary of State's Office does identify sod farm locations in the Inc. search. Is a search for all companies with 'sod' in their name complete	
Action 14.20 Create comprehensive map of agriculture (hog, chicken and turkey farms), forestry, and sod farms bordering the Cape Fear and its tributaries	Nutrient input decreased	Short: CFRW: In progress	Some progress has been made in Duplin Co.(see panel above) but it's a big watershed. Sod farms not in the data base yet, will have to be located and entered manually. Need to determine the best way to identify sod farms. Might be able to look up Sod companies through the Secretary of State's Office by looking through the Inc. lists.	
Action 14.30 Map wastewater land application fields (NCDWQ), septage land application fields (Division of Solid Waste) and Class B residual land application sites (NCDWQ).	Nutrient input decreased	Short: UNCW: Complete	CFRW/UNCW sponsored an intern who obtained permit data from NC DE will work with Larry in fall 2012, will lead implementation of this action. F worked in conjunction with the River Keepers Alliance to map CAFO land experience to complement the effort. (Municipal wastewater treatment untreated wastewater in Wilmington over last several months). UNCW m Kane 919-807-6461- 11/13/12) Action item 2.38 states that UNCW should Waste Management (DWM) to map fields associated with municipal wast has already completed much of the mapping work in item 2.38, and has of irrigation and residuals in context. The DWQ maintains GIS shapefiles that and industrial/commercial) or residual solids land application field. Curre has been working on posting these locations online at http://portal.ncdernow. Additionally, DWQ's Groundwater Planning Unit has undertaken an irrigation sites. We have compiled phosphorus and plant available nitroges scales in the following report: Compilation of Phosphorous and Plant Ava Residual Solids in 2010. A similar report on nutrient applied to wastewate determine whether or not land application activities are contributing nut land applied nutrients that can be compared to other sources of nutrient report, Potential Nitrogen Contributions from On-site Wastewater Treatr http://www.soil.ncsu.edu/publications/TB324Finalmay29.pdf) for prioriti. larger concern is land application of wastes by CAFOs. DWQ has swine CA application sites? Also re: poultry CAFOs, which land apply waste solids be location and size. CFRW is mapping poultry CAFOs the old fashioned way	application fields in NC, so there should be GIS background information and systems may also be an issue; releases of several million gallons of seans Larry Cahoon here. (Comments from DWQ (Michael Tutwiler and Evand work with the NC Division of Water Quality (DWQ) and the NC Division of tewater irrigation, wastewater residual solids (biosolids) and septage. DWQ done additional work that puts the potential nutrient loads from wastewater t contain a point location for each active wastewater irrigation (municipal ntly over 99% of these fields have a point location. The Land Application Unit nor.org/web/wq/aps/lau/map but they are only available by request right assessment of nutrient loads associated with residuals and wastewater en loads applied to fields as wastewater residual solids at multiple geographic idable Nitrogen Applied to the Land through Permits for Land Application of er irrigation sites is currently underway. We have not attempted to rients to adjacent surface waters but this work does provide an estimate of s in the basin or individual watersheds (such as those estimated in the nent Systems to North Carolina's River Basins and Sub-basins zing nutrient management approaches. Larry Cahoon notes that a much and the load of load of the load of
Action 14.40 Complete NCDWQ/USGS study of surface water quality associated with swine operations		Medium: NCDWQ and USGS: In progress	USGS has completed their study, reported on it at the 2015 WRRI conference, and will be publishing a report this summer. There is currently no surface water monitoring of CAFOs. The end goal is to determine if it is worth taking the time in the future to monitoring what is coming from CAFOs.	
Action 14.50 Meet with nutrient source permittees to pursue voluntary loading reductions	Nutrient input decreased	Medium : UNCW and CFRW : Action needed	This step needs nutrient modeling and nutrient data synthesis before targeting specific point source dischargers. DWR has said a Nutrient Criteria Development Plan will be required for the middle CFR basin. They are choosing Advisory council members to serve on it	

Action	Target	Time Frame : Lead : Status	Notes	Next Steps (identify outreach, engagement, funding opportunity)
Action 14.00: Define nutrient inp	uts into the Cape Fear River basin	Status		
Action 14.60 Correlate runoff information gathered by the NCDWQ/USGS Swine study (action 14.4) with fish habitat to determine how swine operations affect fish habitat	Nutrient input decreased	Medium/Long : NOAA : N/A	Removed DMF from action. NOAA means NMFS SER HCD here.	
Action 14.70 Correlate land-use changes throughout the basin and bordering the Cape Fear River and its tributaries to water quality parameters (DO, Nitrogen, Phosphorous, chlorophyll a and fecal coliform)	Nutrient input decreased		Jennifer Alford has completed a land use change analysis for her thesis watershed and correlate changes in % urbanization and % wetlands to coliform) Comments from DWQ (Michael Tutwiler and Evan Kane 919-correlate land-use changes bordering the Cape Fear River and its tribut chlorophyll a and fecal coliform). The authors may be interested in rece potential influences of watershed attributes such as land use and land and synthesizes nutrient yield data compiled for 48 stream sites in cent Basin. The report is currently in internal review by USGS, but the autho USGS for more information. He can be reached at 919-571-4051 or slha	water quality parameters (DO, N, P, chlorophyll A, and fecal -807-6461-11/13/12) Action item 2.41 recommends efforts to caries to water quality parameters (DO, Nitrogen, Phosphorous, ent work done by the USGS under contract to DWQ to examine cover on nitrate, total N, and total P yields. Their work summarizes tral and eastern NC, including numerous sites in the Cape Fear rs of the NOAA document may want to contact Steve Harden of the
Action 15.00: Improve regulatory	strategies to reduce point and non-point	source pollution		
Action 15.10 NCDMF and NCWRC refine AFSAs and establish data necessary for appropriate water quality standards for these areas, particularly for nutrients and sediment	Nutrient input decreased	N/A	DWQ can include as part of their triennial review. From the NC estuarine striped bass FMP: HWQ waters have certain disconnew and expanding dischargers. (15A NCAC 02B .0224). Can work the triennial review process to establish standards needed to protect anadle Page 251 of the 2009 STB FMP describes the locations of the documenthe CFR. Underway right now the DMF is placing sonic tags in 20 A. sha movement with potential to locate spawning areas. Sonic tags have also Sturgeon in hope of locating spawning areas. Once these areas are more quality standards can be set. Does this need to be species specific?	nrough the surface water romous fish species. nted spawning areas in Id to track their o been placed in Atl.
Action 16.00: Improve voluntary	l strategies to reduce non-point source po	lution and protect fish h	abitat from impacts of land-based activities	
16.10 Increase developers participation in Wildlife Friendly Development Program in part by inviting the NCWRC to hold a workshop in Wilmington that reviews guidelines for the wildlife friendly program certification	Nutrient input decreased	Medium : CFRW, real estate developers, and NCWRC : Action needed	CFRW has contacts with Cape Fear Homebuilders Association (in New F Brunswick Counties). CFRW could talk to Homebuilders about having W an upcoming meeting. Are there other similar Homebuilders Associatio out to (e.g., Fayetteville)? Convincing the developer that they can 'use' sell their product. Can incorporate with communal areas like bike and f require homeowners and property owner association to own the prope	VRC do a presentation at sins that we could reach their riparian buffer to foot paths. This would funding for increased monitoring (long-term) from several venues and will continue to do so
16.12 Provide a workshop (with a focus on materials to incorporate priority areas from Action 10.2 in local program delivery, River Friendly Farmer Program, Stewardship Development Awards Program, and drug take back programs) for select soil and water conservation districts and cooperative extension to focus on setting local priorities with Cape Fear migratory fish		Short/Medium : NCDSWC : Action needed	The Association of Soil and Water Conservation Districts has an annual work on priority setting. District prioritization is flexible and at the local Presentation may be appropriate for the Water Resources Standing Co.	district level.

Action	Target	Time Frame : Lead : Status	Notes Next Steps (identify ou	treach, engagement, funding opportunity)
Action 16.00: Improve voluntary	strategies to reduce non-point source po		nabitat from impacts of land-based activities	
16.18 Using education materials available from NCSU Cooperative Extension, educate homeowners, commercial applicators and others regarding: proper fertilizer use specific to lawn types, fertilizer storage, and fertilizer disposal.		Short (and ongoing): Select soil and water conservation districts with help from local governments and select Cooperative Extension agents: In progress	Suggestion from DWQ Basin Plan - 2005, Chapter 31. Phil recommends statewide lead for thes kinds of actions with opportunity/invitation for broad participation from local governments (as lead engages them in implementation). We don't want to single out one particular county or of when so many that should be involved basin wide. Cooperative Extension agents work on this though feel the real change is seen at a much higher level—when the fertilizer for sale is actual a 'better' formula. Deanne with Cooperative Extension said they are unable to do this now. In 12 CFR basin counties in 2014, NC Cooperative Extension had 103,498 face-to-face contacts a 480,843 non face-to-face contacts regarding urban and consumer	funding for increased monitoring (longity term) from several venues and will continue to do so
Action 16.19 Secure additional funding for Lagoon Conversion Program to encourage use of innovative animal waste management systems	Nutrient input decreased	Medium/Long : NCDSWC : Action needed	Funding is getting limited, but looking at innovative alterative methods to handle waste off facilities to do away with the lagoon system (needs to be economically feasible for farmers to do). Very expensive to do Existing program where swine farmers may be eligible for up to 90 cost share assistance to convert existing swine lagoon and spray field systems to innovative animal waste management systems.	%
Action 16.20 Work with NGOs and partners to apply targeted protection actions to priority spawning areas: Smith Creek, Rice Creek, Town Creek, Smiley Falls. Actions could include acquiring buffers, lands, and/or conservation easements, or special designations.	Existing riparian wetlands are maintained and restored/enhanced in areas with evidence of buffer loss and/or water quality issues.	Long: NCDWQ, NCDMF, and NCWRC: N/A	Local governments should be involved in this action if it stays in the plan.	
Action 16.21 Promote voluntary operation reviews available to farmers through NCDA&CS	Nutrient input decreased	Short (and ongoing) : NCDSWC : In progress	NCSA&CS SWCD is heavily involved in addressing concerns that operations may have. NCDA&C can provide technical assistance and operation reviews for animal operations when requested by the farmers. Technical assistance provided in these reviews can lead to improved management of facilities	
Action 16.22 Identify specific areas within the Cape Fear watershed for the Conservation Reserve Enhancement Program (CREP) to focus on for marketing, including the impairments to flood plain	Existing riparian wetlands are maintained and restored/enhanced in areas with evidence of buffer loss and/or water quality issues.	Short/Medium : NCFSWC : In progress	The NCDA&CS SWCD has a position for a new employee to do this work to update a priority dayer. They will hire for the position soon to prioritize watersheds this years, and identify prior areas in the state. The Conservation Reserve Enhancement Program (CREP) objective is to ins riparian buffers by providing financial incentives for 30 yr. permanent easements. All are eligible for the CREP funding, but funds are focused in priority areas.	ty tall
Action 16.23 Expand Stewardship Development Awards to entire basin	Nutrient input decreased		NH County, DENR, Piedmont Triad Council of Governments, Triangle area (general email: infor@trianglestewardship.org), other counties. Also, Pender County will be presenting a sessi on the Stewardship Development Program at this fall's meeting of the NC Chapter of the American Planning Association. Lower Cape Fear Stewardship Development Awards Program (Brunswick, New Hanover and Pender http://www.stewardshipdev.com/)- for developers the put LID practices in place. Program in Triangle area (http://trianglestewardship.org/) as well are is modeled after the coastal program and uses same guidelines. There is active Stewardship Award Program in Triangle area - Jason Doll is an organizer	term) from several venues and will continue to do so

Action	Target	Time Frame : Lead : Status	Notes Next Steps (identifi	y outreach, engagement, funding opportunity)
Action 16.00: Improve voluntary	strategies to reduce non-point source po		abitat from impacts of land-based activities	
Action 16.30 Research possibilities and seek funding to conduct benthic surveys using side-scan sonar to assess potential Atlantic and shortnose sturgeon spawning habitat above and below existing barriers in Cape Fear River.	Existing riparian wetlands are maintained and restored/enhanced in areas with evidence of buffer loss and/or water quality issues.	Medium: USFWS and NCWRS co-lead, with help from NOAA and NCDMF: N/A	NCSU/USGS can't commit to doing this action (Joe retiring soon and may not be replaced). NCSU/USGS: have side-scan data for the lower Cape Fear (below LD1) that was collected for ongoing project on Atlantic sturgeon distribution and migration. Will be doing some habitat analysis with those data but that would be relevant to holding/staging habitat around the freshwater: saltwater interface rather than spawning habitat. Any survey effort on sturgeo spawning habitat is premature until migration is better characterized. With NCDMF (Chip Collier) having so many sonic-tagged sturgeon and with the array of deployed VR2s, there be much better information about migration (and possible spawning locations) in a couple years. At that point, it might be a good idea to pursue funding for habitat work. From NMI PRD: Work could potentially be funded through ESA Section 6 Cooperative Agreement (wit WRC). NOAA has articles on low-cost side scan sonar method for assessing substrate composition tested by GA DNR that could be used in the Cape Fear (Kaeser and Litts 2010 Kaeser et al 2012). An ESA Section 10 permit would not be required from NOAA for this would not worked with GA DNR to map sturgeon habitat in 4 Georgia Rivers. Their methods as simple but effective and relatively inexpensive to do. They also gladly share their technique with others, as this will help get consistent habitat info between river systems. Local soil a water conservation districts remain available to provide technical assistance and limited fir support (through CCAP) for interested landowners	t n should of SSER h NC and ork. re es
Action 16.60 Provide technical assistance in urban areas to help establish and protect buffers	Nutrient input decreased	Short (and ongoing): local soil and water conservation districts with help from local governments : In progress	Soil and Water has CCAP program which can be used to accomplish this action (note the program has a small amount of funds for the whole state (about 200k), along with W6.8. L local governments (e.g., county, city levels) as helping here allows for broad partnership in implementation.  Plan - 2005, Chapter 31	
Action 16.61 Reinvigorate and expand the River Friendly Farmers Program throughout the basin	Nutrient input decreased	Medium : N/A : In progress	This program identifies and recognizes farmers who have made efforts to have 'river smart farming practices. Program administered by some Soil and Water Conservation Districts, so to ID the SWCD representatives to establish communication and partnerships. Can focus t program on the biggest threats to the river/watershed.	need
Action 16.70 Advocate and monitor for the implementation of forestry best management practices, including the establishment, management, and protection of stream and	Nutrient input decreased	Medium : North Carolina Forest Service : N/A		UNCW has actively been pursuing grant funding for increased monitoring (long-term) from several venues and will continue to do so
Action 16.71 Work with private landowners to protect and restore forestry buffers through best management practices on their land	Nutrient input decreased	Medium : Select soil and water conservation districts : In progress		
Action 16.80 Provide technical assistance to agricultural operations that are potential sources of nutrients, specifically total nitrogen and total phosphorous.	Nutrient input decreased	Medium : N/A : In progress	The NCSA&CA has the Ag Cost Share program and the federal CREP program that might be included in this action. NC Cooperative Extension worked with 476 animal waste applicate 12 CFR basin counties throughout 2014 on proper waste application and continuing educa events	rs in

Action	Target	Time Frame : Lead : Status	Notes	Next Steps (identify outreach, engagement, funding opportunity)
Action 16.00: Improve voluntary	strategies to reduce non-point source po		abitat from impacts of land-based activities	
Action 16.81 Work with farmers to manage fertilizer application at agronomic rates	Nutrient input decreased	Fund (lead), NCSU Cooperative Extension, select soil and water	Does NRCS want to be involved? Sampson County and adjacent pilot EDF work. EDF is working with NC State Cooperative Extens a network among the farming community to demonstrate the er benefits of optimizing fertilizer application rates to reduce nutrie Policy adopted by the NCASWCD Community Conservation Stand LCF program, and encourages districts to implement similar program.	ion Service. A goal is to establish nvironmental and financial ent runoff and maximize profits. ding Committee recognizes the
Action 16.82 Present Cape Fear Migratory Fish priorities to the NC Association of Soil and Water Conservation Districts	Nutrient input decreased		The Association of Soil and Water Conservation Districts has an a work on priority setting. District prioritization is flexible and at the Presentation may be appropriate for the Water Resources Stand not have data regarding which local districts recognized a River Edistricts could be completed if needed.	le local district level. ling Committee. The DSWC does
Action 16.90 Continue promoting existing North Carolina Agriculture Cost Share Program within the basin with emphasis placed on Best Management Practices (BMPs) that can improve water quality in critical habitat areas (as identified in action 10.2)	Nutrient input decreased	Medium: NCDSWC and select soil and water conservation districts: In progress	Targeted outreach to landowners may also be a possibility	
Action 16.91 Continue to promote full funding of the existing North Carolina Community Conservation Assistance Program within the basin with emphasis placed on BMPs that can improve water quality in critical habitat areas (as identified in action 10.2)	Nutrient input decreased	Medium : NCDSWC and select soil and water conservation districts : In progress	Riparian buffers remain a cost-shareable practice through ACSP soil and water conservation districts are available to provide tecl with or without financial assistance. Targeted outreach to lando	hnical assistance to landowners
Action 16.92 Promote NRCS programs within the basin while continuing to provide producers with information on BMPs that can mitigate critical habitat areas		select soil and water	The DSWC and local soil and water conservation districts do this practices are cost shared, in other cases, technical assistance is pyou'd like me to work with staff in Raleigh to run numbers for cowere implemented in the CFRB for PY2014. Targeted outreach to possibility	orovided - please let me know if ost-shared BMP impacts that
Action 16.93 Implement feasible and cost-effective storm water retrofit projects throughout the watershed to mitigate the hydrologic effects of development. Stream channel restoration activities should be implemented in target areas in order to improve aquatic habitat.	Nutrient input decreased	Medium : NCDSWC with help from local governments, select soil and water conservation districts, and select NCSU Cooperative Extension agents : In progress	Infrastructure and in stream work. EDF may be better suited to this particular project effort?	an include both Green provide an update related to

Action	Target	Time Frame : Lead : Status	Notes	Next Steps (identify outreach, engagement, funding opportunity)
Action 16.00: Improve voluntary	strategies to reduce non-point source po		abitat from impacts of land-based activities	
Action 16.94 Lay the groundwork for tax incentives for increasing buffers through tax credits (based on North Carolina Conservation Tax Credit handled through 'One NC Naturally Program')	Nutrient input decreased	Conservation, Planning	The One NC Naturally Program offers tax incentives for conservation Credits be focused on riparian areas that wou areas' part of program requirements? State does not have reduced the state does not have funds, is the groundwork all credit is already in place?	uld meet the 'conservation of natural money to give credits now. Even
Action 16.95 Secure additional funding for Swine Buyout Program to fund buyouts for swine operations in the 100-year flood plain.	Nutrient input decreased	Medium/Long : NCDWC : Action needed	Voluntary program with objective to remove high-risk swine year flood plan and to mitigate potential hazard from future agricultural use	
Action 16.96 Educate County and City Planning Departments beyond the coastal plain about the Green Growth Toolbox conservation options for landowners	Nutrient input decreased	Long : NCWRC : N/A	WRC needs to be invited to hold a workshop. Kacy Cook (kacontact. Kacy can lead the work shop but the Coastal Land connections to town/city/county land used managers and council of governments themselves) would need to lay grounthe NC Coastal Land Trust and WRC are providing workshop plains (http://216.27.39.101/greengrowth/). It is important already know land use planners and community leaders to local governments in and around the Wilmington area have Trust. Cy Stober with the Piedmont regional Council has been used some tool box concepts. WRC is working with the Tow N or Leland) and Moore county are receiving technical guid from WRC. NC Coastal Land Trust's funding to carry out this (involvement uncertain after that date).	Trust (or another NGO with councils of government, or the local undwork for having the workshop. ps to jurisdictions on the coastal t for those initiating the workshop to help promote the workshop. Most been trained by the Coastal Land en trained. Randolph County has of Navassa (W. of Wilmington and lance work for their planning efforts
Action 17.00: Better support effort	rts to decrease input of toxic metals and	chemicals into the Cape	Fear River and better understand the effects of these comp	ounds.
The Association of Soil and Water Standing Committee	r Conservation Districts has an annual me	eting in January to work	on priority setting. District prioritization is flexible and at the	e local district level. Presentation may be appropriate for the Water Resources
	1	Short/Medium : NHC : In progress	NH City Sheriff's Dept. does twice a year and will continue. I event this year in Wilmington. There is a need. We could as assistance. Research showing EDC pass through standard w environment—direct effect on specific fish still open. Seems where the US DEA has a drug take back day: http://www.deadiversion.usdoj.gov/drug_disposal/takebac conservation districts remain available to provide technical resources related to Backyard Conservation: Lawns and the	k them to expand and offer vaste water treatment plants and alter s that there are a few days a year  k/index.html Local soil and water assistance to interested groups;
Action 17.11 Support NCDENR efforts to reduce mercury and other heavy metal inputs to the basin	Input of toxic metals (e.g. mercury) and endocrine disrupting chemicals decreased	Medium : UNCW and CFRW : In progress	UNCW's American Chemical Society sponsored a talk by Dr. pollution, including Selenium pollution in Sutton Lake. Rece controls imposed by NC 2002 clean air legislation has also restatewide to <1000 lb./year, with relatively more source of pushback, therefore, on the NC mercury TMDL effort, possi Maybe Greg Cope is involved? When details are available feable to do some targeted outreach to landowners. Districts ACSP. Stop Titan is a start, but DAQ approved Titan plan in	ent report indicates that air quality educed total mercury emissions Hg now out of state. There is some bly partly from within NC DAQ. for Action Item 10.2, districts may be s statewide continue to promote