



Implementation of Activities From Monitoring Plans

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Group	Plan	Activity	Nominal Freq	Implementation
Community				
	1996	Focus Groups	Not specified	Implemented once, in 1996, via CBEP contract with marketing firm.
	1996	Public attitude and actions survey	Not specified	Implemented once, in 1996, via CBEP contract with marketing firm.
Habitat				
	Both	Assessing habitat loss	Every five years	Assessment of habitat area was implemented using Maine's "MELCD" dataset, from 2004, but that data was only collected once, preventing analysis of change. Could be implemented at lower spatial resolution using NOAA's C-CAP data.
	Both	Evaluating changes in eelgrass	Ten years (1996) or 5 Years (2004)	Timing of eelgrass surveys has been inconsistent, with no dedicated funding source.
	Both	Identifying protected habitat	Every five years	FWS data has been used to calculate protected lands for lower 16 municipalities for each of our "State of the Bay" reports. DACF now offers related , but not directly comparable data.
	Both	Tracking regulated activities	Annual	Never implemented.
	Both	Tracking wetland loss	Ten years	Proposals were to track wetland loss via analysis of permit data and analysis of National Wetland Inventory data. Neither has been implemented locally.
Indicator Species				

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	Both	Waterbird survey	Five years	Original IF&W aerial surveys were discontinued in late 2000s. Later, CBEP commissioned studies of shorebirds and ospreys.
Municipal				
	1996	Community Checklist	Not specified	Developed by GPCOG
Pathogens				
	Both	Monitoring swimming beaches	Not specified	Originally envisioned as a volunteer-based monitoring program at certain beaches, this was implemented at other beaches by the Maine Healthy Beaches Program.
Shellfish				
	Both	Tracking shellfish harvesting areas	Annual	Data on classification of harvesting areas readily available from DMR. Analysis, looking at how frequently areas are closed are more difficult.
Stormwater				
	Both	Combined sewer overflow assessment	Annual	PWD, Portland and DEP make related data available, at various levels of detail. Original Plan included measurement of pollutant loads in CSO effluent. I don't know if that has ever been done locally.
	Both	Stormwater control analysis	Annual	Original vision was for a in-depth study of reductions in pollution in a selected watershed, following intensive implementation of stormwater management. A 2007 EPA study looked at toxics in stormwater. Long Creek monitoring program implements, in part.
Toxics				

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	1996	Cormorant tissue analysis	Biennial	Never Implemented
	2004	Seal tissue analysis	Not specified	By Marine Environmetnal Research Institute (MERI) in Blue Hill. Data incorporated into 2010 SoTB. Not clear if the study is ongoing or if there is any new data from Casco Bay.
	Both	Benthic community analysis	Every three years	Partially implemented as part of the National Coastal Assessment and National Coastal Condition Assessment. Sample sizes small. Methods for deriving a coastal health index for the northeast exist. CBEP has never analyzed local data.
	Both	Lobster tissue analysis	Annual/Bien nial	Originally implemented by SWAT. Older SWAT reports no longer available online. Later implemented by NCA / NCCA. Sample sizes small.
	Both	Mussel tissue analysis	Biennial	Originally Maine SWAT program. More recently, GOMC Gulfwatch and NOAA's Mussel Watch programs. Older data may be dificult to find and verify.
	Both	Sediment contaminant analysis	Every ten years	CBEP contracts, 1990-1991, 1994, 2001-2, 2010-11. Do not anticipate a 2020 survey.
	Both	Sediment toxicity bioassay	Every three years	Bioassays on survival of marine invertebrates were tested by the National Coastal Assessment (NCA), have been incorporated in NCCA. Sample sizes from Maine are very small. Not clear if any samples from Casco Bay.
Water Quality				
	Both	Dissolved oxygen monitoring	Annual	Called for "pre-dawn" sampling at selected locations thought to be susceptible to low DO. Originally, FOCB site-specific monitoring. Recently, early morning samples rare. Recently, related data is collected with automated equipment.

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	Both	Temperature, pH, salinity, dissolved oxygen and clarity monitoring	Annual	Core of FOCB Volunteer Monitoring program. Also "Profile" sites. Recently, FOCB continuous monitoring station. Recently, data from SMCC, Bowdoin and UMaine LOBO buoys and DEP, as automated sampling proliferates.
	Both	Water quality assessment	Biennial	Streams and rivers not meeting class available from DEP every two years. Stream biomonitoring data available from DEP.