Executive Order Goals/Outcomes		Chesapeake Bay Program Goals/Commitments		Issues
Main Goals	***Performance Outcomes***	***Main Goals***	***Sub-Goals/Commitments***	
Recover Habitat	**Wetlands**: Restore 30,000 acres of tidal and non-tidal wetlands and enhance the function of an additional 150,000 acres of degraded wetlands by 2025. *Current Conditions: 1 million acres of tidal and non-tidal wetlands estimated to be available in the Chesapeake watershed for restoration or enhancement. Between 1998 and 2008, 18,217 acres of wetlands were restored and 97,738 acres were enhanced.*	Vital Habitat Protection and Restoration	Restoring **Wetlands**: Restore 25,000 acres of wetlands in the watershed portions of Maryland, Pennsylvania, Virginia and the District of Columbia **by 2010**. (EC C2K commitment; Keystone Commitment) (54% goal achievement as of 2009)	**E.O. Issues:** E.O. outcome has new baseline, 2025 commitments for wetlands and includes headwater states.
	Forest Buffer: Restore riparian forest buffers to 63 percent, or 181,440 miles, of the total riparian miles (stream bank and shoreline miles) in the Bay watershed by 2025. *Current Conditions: 58 percent of the 288,000 total riparian miles in the Bay watershed has forest buffers in place.*	Vital Habitat Protection and Restoration	Planting **Forest Buffers**: Bay Program partners achieved their original 2010 buffer restoration goal of 2,010 miles in 2002, well ahead of schedule. In 2003, they set a new, long-term goal to conserve and restore forests along at least 70 percent of all streams and shoreline in the watershed, with a near-term goal of at least 10,000 miles in the watershed portions of Maryland, Pennsylvania, Virginia and the District of Columbia **by 2010**. (EC C2K commitment and EC 2003 Directive). (69% goal achievement as of 2009) (Related Keystone Commitment: Conserve existing forests along all streams and shorelines.)	**CBP/E.O. Alignment Issues:** E.O. outcome has 2025 commitments for forest buffers and includes headwater states.
	Fish Passage: Restore historical fish migratory routes by opening 1,000 additional stream miles by 2025, with restoration success indicated by the presence of River herring, American shad and/or American eel. *Current Conditions: Approximately 1,924 miles in the Chesapeake Bay watershed have been opened and are accessible for fish migration. Projects are currently being ranked and prioritized through a collaborative federal and state process designed to strategically target priority projects.*	Living Resource Protection and Restoration	Reopening **Fish Passage**: **By 2014**, open 2,807 miles of habitat to migratory and resident fishes in the watershed portions of Maryland, Pennsylvania, Virginia and the District of Columbia. Between 2005 and 2014, complete 100 projects and open 1,000 miles of river and stream habitat. Dam removal projects opening high quality habitat are a priority. (EC 2005 commitment) (83% goal achievement as of 2009)	**CBP/E.O. Alignment Issues:** E.O. outcome has new baseline, 2025 commitments, includes headwater states and stipuates success measured by presence of River herring, American shad and/or American eel. What data will be used for River herring and/or American eel? Who is responsible for tracking River herring and/or American eel data (e.g. GIT 1, 2, 4, STAR, FOD)?
Sustain Fish and Wildlife	**Oysters**: Restore native oyster habitat and populations in 20 tributaries out of 35 to 40 candidate tributaries by 2025. *Current Conditions: 0 tributaries with fully restored oyster populations; several tributaries with successful living oyster reef habitat.*	Living Resource Protection and Restoration	**Oysters** Abundance: The goal is to achieve at least a tenfold increase in native oysters in the Chesapeake Bay **by 2010**, based on 1994 levels, which would equal 31.6 billion grams of oyster biomass. (EC C2K commitment; Keystone Commitment) (10% goal achievement as of 2009)	**CBP/E.O. Alignment Issues:** E.O. outcome has new baseline, 2025 commitments for oysters and focuses on 20 tribs only.
			Restoring **Oyster** Reefs: No EC-adopted commitment, but there is a related Bay Barometer measure that tracks the following CAP target: implement restoration practices on 2,466 acres of oyster bar and reef habitat **between 2007 and 2010**. (100% goal achievement as of 2009)	**CBP/E.O. Alignment Issues:** E.O. outcome has new baseline, 2025 commitments for oysters and focuses on 20 tribs only.
	Blue Crabs: Maintain sustainable blue crab interim rebuilding target of 200 million adults (1+ years old) in 2011 and develop a new population target for 2012 through 2025. *Current Conditions: 2007-2008: 131 million; 2008-2009: 223 million; 2009-2010: 315 million.*	Living Resource Protection and Restoration	**Blue Crabs** Abundance: EC C2K Commitment is to manage the blue crab fishery to restore a healthy spawning biomass, size and age structure. Work done to address this commitment resulted in the following commitments, but none were formally adopted in an EC directive or agreement: BBCAC commitment: The fisheries management agencies should adopt a target of F20 percent. CBSAC interim target recommendation: 200 million blue crabs that are at least one year old in the Bay. This abundance of crabs can result in a harvest of 60 million to 65 million pounds each year while still preserving 20 percent of the spawning population. The CBSAC target was recommended for for management adoption and VA and MD have been using it to manage the fishery. (100% goal achievement as of 2009)	**CBP/E.O. Alignment Issues:** E.O. outcome has commitments through 2025.

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Main Goals	***Performance Outcomes***	***Main Goals***	***Sub-Goals/Commitments***	
	Brook Trout: Restore naturally reproducing brook trout populations in headwater streams by improving 58 sub-watersheds from 'reduced' classification (10-50 percent of habitat lost) to 'healthy' (less than 10 percent of habitat lost) by 2025. *Current Conditions: 388 of 1,294 sub-watersheds in Chesapeake Bay currently classified as 'reduced' for brook trout.*		**N/A**	**CBP/E.O. Alignment Issues:** If adopted by CBP, what functional group will this fall into (e.g. watershed health, habitat restoration efforts)? If adopted and placed in the watershed health functional group, it could be used to fill gaps in the "animals" (wildlife) or habitat sub-group. What data will be used? Who is responsible for tracking this data (e.g. GIT 2, 4, STAR, FOD)?
	Black Ducks: Restore a three-year average wintering black duck population in the Chesapeake Bay watershed of 100,000 birds by 2025. *Current Conditions: Recent mid-winter aerial surveys estimate the 2007-2009 rolling three-year average at 37,158 black ducks in the Chesapeake Bay.*		N/A	**CBP/E.O. Alignment Issues:** If adopted and placed in the watershed health functional group, it could be used to fill gaps in the "animals" (wildlife) sub-group. What data will be used? Who is responsible for tracking this data (e.g. GIT 2, 4, STAR, FOD)?
Conserve Land and Increase Public Access	**Land Conservation**: Protect an additional 2 million acres of lands throughout the watershed currently identified as high conservation priorities at the federal, state or local level by 2025, including 695,000 acres of forest land of highest value for maintaining water quality. *Current Conditions: 7.8 million acres protected watershed-wide.*	Sound Land Use	Preserving Lands: Strenthen programs for land acquisition and preservation within each state that are supported by funding and target the most valued lands for protection. Permanently preserve from development 20 percent of the land area in the watershed by 2010 (EC C2K commitment; Keystone Commitment. Note: only MD, PA, VA and DC signed commitment, so only applies to land in that portion of the watershed). (100% goal achievement as of 2009) Permanently conserve an additional 695,000 acres of forested land throughout the watershed **by 2020**. (EC 2006 Directive; Related Keystone Commitment: Conserve existing forests along all streams and shorelines.)	**CBP/E.O. Alignment Issues:** E.O. outcome has a new baseline, 2025 commitments and includes headwater states.
	Public Access: Increase public access to the Bay and its tributaries by adding 300 new public access sites by 2025. *Current Conditions: 761 public access sites providing access to the Bay and its tributaries exist in DC, MD, PA and VA; data on existing access sites in NY, DE and WV to be collected in the future.*	Sound Land Use	**Public Access**: **By 2010**, expand by 30 percent the system of public access points to the Bay, its tributaries and related resource sites in an environmentally sensitive manner. (EC C2K commitment) (94% goal achievement as of 2009) Bay Gateways: **By 2003**, develop partnerships with at least 30 sites to enhance place-based interpretation of Bay-related resources and themes and stimulate volunteer involvement in resource restoration and conservation. (EC C2K commitments) (100% goal achievement as of 2009) Water Trails: **By 2005**, increase the number of designated water trails in the Chesapeake Bay region by 500 miles. (EC C2K commitments) (100% goal achievement as of 2009)	**CBP/E.O. Alignment Issues:** E.O. outcome has new baseline, 2025 commitments for public access indicator and includes headwater states.

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Main Goals	***Performance Outcomes***	***Main Goals***	***Sub-Goals/Commitments***	
Restore Clean Water	**Bay Water Quality**: Meet water quality standards for dissolved oxygen, clarity/underwater Bay grasses and chlorophyll-a in the Bay and tidal tributaries by implementing 100 percent of pollution reduction actions for nitrogen, phosphorus and sediment no later than 2025, with 60 percent of segments attaining standards by 2025**.** *Current Conditions: 89 of the 92 segments of the Bay and its tidal waters are impaired.*	Water Quality Protection and Restoration	**Dissolved Oxygen, Water Clarity, Chlorophyll a**: By 2010, correct the nutrient- and sediment-related problems in the Chesapeake Bay and its tidal tributaries sufficiently to remove the Bay and the tidal portions of its tributaries from the list of impaired waters under the Clean Water Act. (EC commitment in C2K; Keystone commitment. Note: EC changed to "practices in place" **by 2025** at May 2009 EC mtg for water quality standards-related commitments) (DO - 12%; clarity - 26%; and chlorophyll a - 29% goal achievement, as of 2009)	**CBP/E.O. Alignment Issues:** E.O. outcome is measured by percent of segments (rather than % of volume/area goals); E.O. outcome includes 60% by 2025 deadline
		Water Quality Protection and Restoration	**Chemical contaminants**: We commit to fullfilling the 1994 goal of a Chesapeake Bay free of toxics by reducing or eliminating the input of chemical contaminants from all controllable sources to levels that result in no toxic or bioaccumulative impact on the living resources that inhabit the Bay or on human health. (EC Commitment in C2K) (28% goal achievement as of 2009)	**CBP/E.O. Alignment Issues:** CBP water quality index includes chem cont and E.O. outcome for water quality does not
		Vital Habitat Protection and Restoration	**Submerged Aquatic Vegetation (SAV)**: The goal is to have 185,000 acres of underwater bay grasses in the Chesapeake Bay by 2010, which represents approximate historic abundance from the 1930s to present. (EC Commitment in 2003 Adoption Statement; Keystone commiment. Note: EC changed to "practices in place" **by 2025** at May 2009 EC mtg for water quality standards-related commitments, which includes clarity/SAV) (46% goal achievement as of 2009)	**CBP/E.O. Alignment Issues:** E.O. outcome for water quality (see above) is measured by percent of segments (rather than % of acreage goals) and includes 2025 deadline of 60% of segments in attainment (includes clarity/SAV)
				Issue currently being addressed so alignment will not be an issue: TMDL requires new assessment of % of goal achieved based on new load allocations; phase 5.3 model and new baseline year (2009).
	Stream Restoration: Improve the health of streams so that 70 percent of sampled streams throughout the Chesapeake watershed rate three, four or five (corresponding to fair, good, or excellent) as measured by the Index of Biotic Integrity, by 2025. *Current Conditions: 45 percent of sampled streams are rated fair, good, or excellent.*		**Health of Freshwater Streams**: No EC-adopted commitment, but there is a related Bay Barometer measure. There is no goal or target associated with the measure, but the following language accompanies the measure: Although this indicator cannot be related to a quantifiable goal at this time, researchers are working on developing a way to relate this information to a watershed health goal in the future. In general, it can be said that a healthy Bay watershed would have a majority of streams ranked as fair, good or excellent. (4,656 out of 10,452 (45%) sampling locations were in fair, good or excellent condition, as of 2009)	**CBP/E.O. Alignment Issues:** E.O. has 2025 commitment using 2009 results as a baseline. Future assessments of commitment acheivement will not be comparable. More than 3 thousand additional sampling sites to be included in 2010 assessment (including NY and DC) which will mean that the 2010 results will not be comparable to the 2009 results
	Agricultural Conservation: Work with producers to apply new conservation practices on 4 million acres of agricultural working lands in high-priority watersheds by 2025 to improve water quality in the Chesapeake Bay and its tributaries. *Current Conditions: Of the approximately 8 million acres of agricultural working lands in high-priority watersheds, approximately 4 million acres are identified as having soils with the highest potential for leaching and runoff, which may affect water quality. The 4 million acre target is to apply or expand conservation treatment on virtually all of these most vulnerable agricultural lands.*	Water Quality Protection and Restoration	Agricultural Pollution Controls: By 2010, correct the nutrient- and sediment-related problems in the Chesapeake Bay and its tidal tributaries sufficiently to remove the Bay and the tidal portions of its tributaries from the list of impaired waters under the Clean Water Act. (EC commitment in C2K. Note: EC changed to "practices in place" **by 2025** at May 2009 EC mtg for water quality standards-related commitments) (N - 52%; P - 50%; Sed - 50% goal achievement as of 2009)	**CBP/E.O. Alignment Issues**: EO Strategey outcome for Ag conservation has 2010 baseline, 2025 commitments and specifies new practices on 4 million acres in high priority areas. What data will be used? Who is responsible for tracking this data?

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Main Goals	***Performance Outcomes***	***Main Goals***	***Sub-Goals/Commitments***	
EC-adopted keystone commitments that do not have a related EO Outcome				
		Living Resource Protection and Restoration	By 2007, revise and implement existing fisheries management plans to incorporate ecological, social and economic considerations, multi-species fisheries management and ecosystem approaches. (51% complete)	
		Vital Habitat Protection and Restoration	By 2010, work with local governments, community groups and watershed organizations to develop and implement locally supported watershed management plans in two-thirds of the Bay watershed covered by this Agreement. These plans would address the protection, conservation and restoration of stream corridors, riparian forest buffers and wetlands for the purposes of improving habitat and water quality with collateral benefits for optimizing stream flow and water supply. (61% complete)	
		Stewardhsipa nd Community Engagement	Beginning with the class of 2005, provide a meaningful Bay or stream outdoor experience for every school student in the watershed before graduation from high school. (80% complete)	
		Sound Land Use	By 2012, reduce the rate of harmful sprawl development of forest and agricultural land in the Chesapeake Bay watershed by 30 percent measured as the average over five years from the baseline of 1992-1997, with measures and progress reported regularly to the Chesapeake Executive Council. (not complete; not currently measured)	An impervious surface indicator was developed as a surroggate measure, but it was removed by the Management Board during review of the 2009 Bay Barometer. The CBP GIS Team is working to develop a replacement measure, but it will not be ready for a couple of years.