CBP GIS Team 2012 Work Plan

Project	Description	Tasks	Staff / Contractor
Geospatial Data Enterprise	Develop and implement procedures, data storage organization and governance to support ChesapeakeStat and other web-based geospatial applications	1. Publish CBP map services and data (?) on EPA's GeoPlatform and consume relevant map services.	M. Thynge, J. Wolf, BAH
		2. Develop long term data and service storage strategy and GIS server software strategy. Implement Cloud prototype for ChesapeakeStat.	J. Wolf, M. Thynge, A. Fitch, Vistronix
		3. Update final data sets to be included in the CBP enterprise geodatabase	J. Wolf, GIS Team
		4. Develop map services to support GITs and Workgroups as they build out decision framework content	J. Wolf, H. Weinberg
		5. Develop and implement metadata catalog for CBP geospatial data resources.	J. Wolf, M. Thynge, Innovate
Decision Support Tools	Identify, document and support the development of decision support tools used by the Partnership	1. Develop inventory of existing and potential CBP partnership decision support tools	J. Wolf, GIT Staffers
		2. Collaborate with USGS and NaturesServe to produce initial version of Chesapeake land conservation prioritization tool	R. Thompson, P. Hearn, P. Claggett, J. Wolf
		3. CAJO and Public Access Web Mapping Applications	A. Fitch
Geospatial Data Analysis and Support	Provide geospatial analysis and support to the GITs and Workgroups	1. Update and maintain the Chesapeake Bay watershed protected lands database.	R. Thompson
		2. Update priority watershed layer for EPA grant reviews	J. Brakebill, J. Wolf, H. Weinberg, S. Ator
		3. Update CBP indicators and maps to support Communication needs	H. Weinberg, F. Irani, J. Wolf
		4. Provide analytical support to CBP modeling team to support TMDL implementation and WSM enhancements	H. Weinberg, P. Claggett, F. Irani, R. Thompson
		5. Provide miscellaneous geospatial support to GIT4 to prototype Healthy Watershed Tracking Project	H. Weinberg, P. Claggett, F. Irani, R. Thompson, J. Wolf
Chesapeake Bay Land Change Model (CBLCM)	Enhance the Chesapeake Bay Land Change Model to simulate alternative future development scenarios	1. Enhance the CBLCM to dynamically simulate future development scenarios	P. Claggett, D. Donato, F. Irani
		2. Enhance the CBLCM to simulate future infill and redevelopment	R. Thompson,
		3. Simulate future alternative development scenarios for Bay watershed based on recommendations of 9/11 workshop	P. Claggett, R. Thompson, F. Irani
		4. Conduct workshop on potential alternative futures for agriculture in the watershed	P. Claggett
Monitor and Map Land Change	Create the land-cover component of the Chesapeake Monitoring Alliance	1. Design a stratified sampling framework for assessing historical change in riparian forest cover and impervious surfaces in the Bay watershed	P. Claggett
		2. Evaluate and post-process 2011 NLCD for consistency with 1984-2006 CBLC data series	F. Irani
		3. Compare forest cover estimates from FIA, Land Sat, and NAIO imagery	F. Irani, P. Claggett, S. Claggett
		4. Evaluate alternative methods to spatially disaggregate and distribute population and housing variables using dasymetric techniques	R. Thompson, P. Claggett, D. Donato
		5. Finalize automated data aggregation protocol for reporting NRCS and FSA conservation practice data	D. Hively, R. Thompson, P. Claggett