

**MIDPOINT ASSESSMENT PRIORITY WORK PLAN:
MODELING BASELINE/INPUT DATA AND ASSUMPTIONS
LEAD: AGRICULTURE WORKGROUP**

Full Title of Priority:

Modeling Baseline/Input Data and Assumptions

High Priority: 9 votes

Short Description of Priority:

Provide access to improved baseline/input data and assumptions which are incorporated into functional models that operate collaboratively.

Supporting Partners:

Modeling Workgroup, STAR, WQGIT

Necessary Datasets, Analyses, or Decisions:

Identify and utilize available datasets and prioritize development of new datasets to enable and support enhanced analyses and decisions.

Start Date:

AgWG has recommended the organization in early 2013 of a MPA modeling workshop to allow the partnership to identify and prioritize opportunities for improved baseline/input data and assumptions. An ad hoc planning group is currently being formed to organize and support the workshop.

Interim Deliverables, Including Lead and Deadlines:

The AgWG will cooperate with the CBPO modeling team and supporting partner groups to organize and complete a MPA modeling workshop in early 2013 to allow the partnership to identify the availability of existing datasets and prioritize the development of new datasets to enable and support enhanced analyses and decisions.

Completion Date:

The identification of available datasets can be completed after the MPA modeling workshop is held and a partnership recommendation is determined in early 2013. The development of prioritized new datasets will require additional time leading up to the calibration of Phase 6 modeling suite in 2016.

Level of Effort for Lead and Supporting Partners, Including (as relevant) CBPO Modeling Team:

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Last Updated November 28, 2012*

A high level of effort would be applied to enhancing the modeling suite functionality and assumptions. A medium level of effort would be applied to fertilizer application rates, atmospheric nitrogen deposition values, use of annual census data / remote sensing data vs. the 5-year census, blended crop yield data, manure mineralization values and assumptions, and nitrogen valorization. Effort will continue on land use categories and conversions, livestock and poultry populations and associated manure generation and nutrient values, and manure management nutrient loss assumptions, which are already in motion.

Potential Conflicts with Other Priorities:

The AgWG, associated workgroups and the partnership are currently developing verification protocols and implementation plans that are expected to be completed and approved in 2013. Workgroups are also evaluating existing and new BMPs which are expected to be in operation into the foreseeable future.

Issues Requiring Input from Full WQGIT:

Appropriate balancing of the time and consideration of the partnership towards multiple concurrent priorities such as other MPA priorities, BMP verification and evaluations.

Other Notes:

This work plan is considered an initial planning document that will be adapted to reflect future partnership identified needs and decisions.