

Quantification of BMP Impacts on CBP Management Strategies

Toxic Contaminants Workgroup
Meeting
July 13, 2016

Contract

- Tetra Tech awarded contract from Chesapeake Bay Trust
 - James Davis-Martin, Project Technical Lead
 - Mark Sievers, Tetra Tech Lead and Urban Lead
 - Steve Dressing, Tetra Tech Agriculture Lead



Goal

To quantify the effect the Bay Model's best management practices (BMPs) have on each management strategy to better enable jurisdictions, localities, and others to assess the impact of their watershed implementation plans on all management strategies (co-benefits or unintended consequences)



Intended Result

A matrix that assigns each BMP (or BMP group) an impact score for each management strategy or outcome

Management Strategy	BMP 1	BMP 2	BMP 3	Etc.
A	-X to +X	-X to +X	-X to +X	-X to +X
B	-X to +X	-X to +X	-X to +X	-X to +X
C	-X to +X	-X to +X	-X to +X	-X to +X
Etc.	-X to +X	-X to +X	-X to +X	-X to +X

Process

- Early involvement of management strategy teams
 - General input on project
 - BMPs of concern
 - Impacts (positive and negative) of BMPs on management strategies
 - Ideas on assigning BMP impact scores
 - Information sources



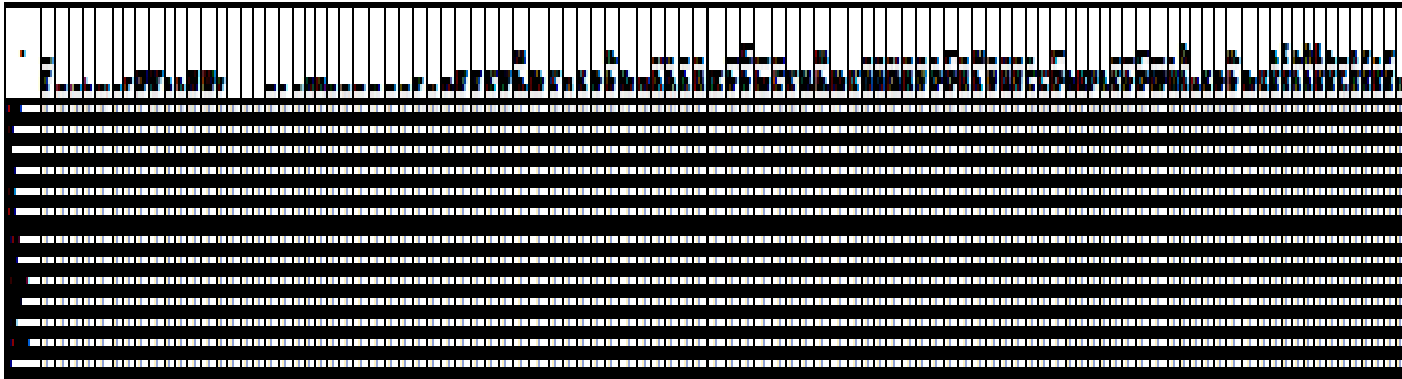
Process

- Develop narrative guidelines for assigning impact scores
 - Review each management strategy, focusing on the *Factors Influencing Success* section, to help identify and assess the factors for which BMP impacts are of greatest concern
 - Technical memorandum on the rationale for the guidelines
 - GIT and management strategy team review



Process

- Group BMPs
 - Ensure consistency in assessing BMP impacts based on common features and application
 - Simplify presentation of results in tabular format

The image shows a large, complex matrix table. The top row is a header with many columns, each containing a small, colorful icon or symbol. Below the header, there are many rows of data, each containing a series of small, colorful icons or symbols. The table is organized into a grid-like structure with many columns and rows, representing a large dataset or a complex system of data.

Matrix with all Management Strategies and BMPs

Process

- Gather information
 - Management strategies
 - **Management strategy team and GIT members**
 - Inform and focus the search for information used in scoring impacts
 - BMP Panel reports
 - Scientific literature
 - **Toxic contaminants study**
 - **Best professional judgment**



Process



- Assign impact scores to BMP groupings
- Develop draft project report for review and comment
- Final report
 - Final impact scores
 - Rationale behind the BMP groupings
 - Impact scoring guidelines
 - Appendix with a literature listing

Tentative Timeline

Task											
#	Task Description	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	BMP List and Groupings	✓	✓								
2	Impact Score Guidelines	✓	✓								
3	Management Strategy Team Meetings	✓	✓	✓	✓	✓	✓				
4	Literature Search			✓	✓	✓	✓				
5	Literature Review and Scoring					✓	✓	✓	✓		
6	Final Documentation								✓	✓	✓

BMPs

- All Approved BMPs
 - Group BMPs with similar function and potential impacts to help simplify analysis and result presentation
 - Example: Cover crop
- Pending Phase 6 BMPs (26 currently under development or in review)



Questions for You

- Suggestions on impact score guidelines or how we might group BMPs in our scoring matrix?
- Which specific BMP (or BMP groups) do you feel would have the greatest impact (positive or negative) on management strategy goals?
 - What do you think their impacts might be?
 - Do you feel they would have a great impact (positive or negative)?
- What are the top impacts that concern you?

Questions for You

- Do you have any information sources that you can provide us or direct us to for this project?
- Are there specific individuals on the GIT or management strategy team we should contact for assistance?



Communications

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