

Appendix C: Conformity of report with BMP Protocol

Summarized list of BMP Protocol elements expected for BMP reports and recommendations

1. **Identity and expertise of panel members:** *See Section 1 and Appendix A*
2. **Practice name or title:** *See Table ES-1; Table 2; Appendix B*
3. **Detailed definition of the practice:** *There are a variety of specific actions or techniques that can be eligible under the BMP definitions; context and detail provided throughout the report*
4. **Recommended N, P and TSS loading or effectiveness estimates:** *See Table ES-1 and Appendix B, Tables B-3 and B-4*
5. **Justification of selected effectiveness estimates:** *See Sections 4 and 5 for the below items a-e*
 - a. **List of data sources considered and description of how each data source was considered**
 - b. **Identify data sources that were considered, but not used in determining practice effectiveness estimates**
 - c. **Documentation of uncertainties in the published literature**
 - d. **Documentation of how the Panel addressed negative results or no pollution reduction as a result of implementation of a specific practice**
6. **Description of how best professional judgment was used, if applicable, to determine effectiveness estimates:** *Sections 4 and 5*
7. **Load sources to which BMP is applied:** *See Appendix B*
8. **Load sources that the BMP will address and potential interactions with other practices:** *Appendix B with discussion throughout the report*
9. **Description of pre-practice and post-practice circumstances, including the baseline conditions for individual practices:** *Discussed at length by the panel as summarized in sections 4 and 5, particularly with respect to the panel's conceptual models and expert elicitation survey*
10. **Conditions under which the practice performs as intended/designed** (include conditions/circumstances where practice will not perform or will be less effective; any variations due to climate, HGMR, soils, or other factors): *The panel did not constrain the application of this BMP or adjust the effectiveness estimates based on HGMRs or other factors. Wetland creation, however, should not be implemented if a site cannot support hydric soils and wetland vegetation. Wetland rehabilitation as recommended in the report is only applicable to existing nontidal wetlands that are considered to be degraded and in need of rehabilitation to improve functions. For both BMPs the*

intention is to promote the long-term sustainability of the created/rehabilitated wetland. See Section 5 for more information, particularly about the pre- and post- conditions assessment.

- 11. Temporal performance of BMP including lag times between establishment and full functioning:** *The panel considered this when discussing conceptual models and the literature. Wetlands are complex systems. While created/rehabilitated wetlands' hydrologic improvements can occur immediately, the vegetation and soil functions will continue to improve over time.*
- 12. Unit of measure:** *See Technical appendix*
- 13. Locations in CB watershed where the practice applies:** *Watershed-wide, but not applicable in tidal areas*
- 14. Useful life; practice performance over time:** *The report states that the desired outcome for wetland creation/rehabilitation projects is self-sustaining functional wetland. Therefore, the desired lifespan is a permanent, functional wetland. Areas with greater stressors may negatively affect the wetland's performance over time, so there is a need for ongoing verification and maintenance. For modeling purposes, the recommended credit duration is 15 years.*
- 15. Cumulative or annual practice:** *See Appendix B. The recommended credit duration for both practices is 15 years.*
- 16. Recommended description of how practice could be tracked, reported, and verified:**
- 17. Guidance on BMP verification:** *See Section 6.*
- 18. Description of how the practice may be used to relocate pollutants to a different location; identification of any unintended consequences or ancillary benefits associated with the practice:** *See Section 7.*
- 19. Suggestion for review timeline; when will additional information be available that may warrant a re-evaluation of the practice effectiveness estimates:**
- 20. Outstanding issues that need to be resolved in the future and a list of ongoing studies, if any:** *See Section 8.*
- 21. Documentation of dissenting opinion(s) if consensus cannot be reached:** *N/A*
- 22. Operation and Maintenance requirements and how neglect alters the practice effectiveness estimates:** *See Section 6.*
- 23. A brief summary of BMP implementation and maintenance costs estimates, when this data is available through existing literature:** *No new cost data was analyzed by the panel.*
- 24. Technical appendix:** *Provided as Appendix B.*