





# NAS Report 1 Abbreviated Implementation Plan: Hydrologic Modeling

7	TBD - as modeling capabilities allow	Hydrologic Model	Display error bars on MODFLOW data (49:12).	Error bars or some other indication of uncertainty should be used in predictions.	No - currently there is no budget for this large undertaking	Continue to gather as much detailed data and inputs as possible	*This would require outside consultation and expertise if established. *EAA should draft a multi-year modeling plan that outlines future modeling efforts that will effect/be utilized by the EAHCP. This plan should be comprehensive to all models.
8	No - current modeling capabilities don't allow for	Hydrologic Model	Include conduits in the development of the Hydrologic Model (58:1).	Moving forward, more attention should be paid to the modeling of conduits.	No - currently there is no budget for this large undertaking	Would require additional hydrologic research and data collection.	*Workshop participants generally supported modeling of conduits; however, many cautioned about the limited modeling capabilities to achieve this and the lack of data needed. *EAA should draft a multi-year modeling plan that outlines future modeling efforts that will effect/be utilized by the EAHCP. This plan should be comprehensive to all models.
9	No - current modeling capabilities don't allow for	Hydrologic Model	Move toward making predictions on a daily time scale (58:9).	The hydrologic modeling effort should move toward making predictions on a daily time scale, e.g., by developing telescoping models of smaller regions.	No - currently there is no budget for this large undertaking	Would require additional hydrologic research and data collection.	*This would require outside consultation and expertise if established. *EAA should draft a multi-year modeling plan that outlines future modeling efforts that will effect/be utilized by the EAHCP. This plan should be comprehensive to all models.

### Clarifying Statements

- All aspects of this table are Science components except #6 and #9 have policy implications
- None of the recommendations are required for compliance
- All recommendations are operational feasible except #7, #8, and #9
- All recommendations are politically feasible
- None of the recommendations are fatal flaws of the program
- All but #1 support biological goals and objectives