

NAS Report 1 Abbreviated Implementation Plan: Overarching Issues

	Recommended for Implementation	Program Component	Recommendation	Description	Fiscally Feasible	Implementation Strategy	Additional Comments
60	Done	Overarching Issues	Future scenario planning: Think how possible worst case scenarios would impact both modeling and HCP implementation (provided 5 scenarios; pgs. 137-139).	The five scenarios are the following: 1. Increased exempt pumping, 2. Drought conditions exceed Drought of Record, 3. Mismatch between conservation triggers and hydrologic changes, 4. Climate change, 5. Bragg litigation, and 6. Whooping Crane ESA issues	Yes	N/A	During the EARIP planning process, these topics were discussed, deliberated on, and decisions were already made regarding these topics.
61	Done	Overarching Issues	Conduct performance-based monitoring of the minimization/mitigation measures (135:5) .	The minimization and mitigation measures should be monitored for their performance.	Yes - no impact	EAHCP staff has already begun to develop a tracking matrix of all M&M measures, how to measure success/completion and their status (% completion as measured against the Biological Goals) (Immediate Implementation)	This matrix should be completed late-summer 2015.

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62	TBD	Overarching Issues	A comprehensive information management plan (134:15).	A comprehensive information management plan would ensure both internal and external access to relevant data over both the short and long-term, facilitate data analyses and syntheses across multiple data types and sources, buffer against the potential turnover of key personnel, and increase t.	TBD - depends on method utilized for dissemination ; no budget is currently identified for this exercise.	*Develop a data management plan. *Utilize a data manager (consultant or staff) or staff scientific Ph. D to establish a required data format for contractors to adhere to, reformat and organize existing data.	*It is recommended that a scientific Ph. D be added to the HCP staff to assist with the creation and implementation of a data management plan, if determined it is needed to achieve compliance. *The purpose of data generated within the EAHCP is for the purpose of building the Eco Model or providing information to the Implementing Committee to make decisions. The purpose is not to ensure the data is in a usable format for another program/entity to utilize. If it is not in a usable format for a requesting program/entity to use, it should be the responsibility of the requestor to format for their purposes.
63	TBD	Overarching Issues	Conduct rigorous statistical data analysis (135:15).	The recommendation for a more formal and rigorous statistical analyses of laboratory and field data such as summary statistics, variance of means etc..	TBD - depends on method utilized for analysis. Currently, there is no budget for this exercise.	*At the June 2015 SC meeting, the SC will deliberate what/if any additional information can be gained to further compliance with the ITP from additional data analysis.	*Before implementation of this recommendation, the Science Committee should be utilized to identify questions that should be answered through the additional data analysis. These questions should be directly tied to achieving compliance or furthering accomplishment of the Biological Goals. *Utilize a data manager (consultant or staff) or staff scientific Ph. D to facilitate a Science Committee discussion to explore what, if any, questions should be answered by additional data analysis.

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64	No	Overarching Issues	Increase project integration (132-133).	<ol style="list-style-type: none"> 1. Develop an overall conceptual model of the Edwards system. 2. Develop a unified data management system. 3. Convene an annual Science Meeting to discuss all relevant topics. 	Yes	<p>*Two of the specific recommendations identified (conceptual model and data integration) have been addressed in other sections of this implementation plan.</p> <p>*The third recommendation to hold a Annual Science meeting may be covered by the proposed Bio Monitoring, Water Quality and Applied Research work groups.</p>	<p>*A EAHCP Conceptual Model was created by EAHCP staff and shared with Implementing Committee in 2014.</p> <p>*The Annual Science meeting covering the Edwards Aquifer appears to be a good idea. But not sure it is the EAHCP that should host, rather the EAHCP should be a participant.</p>