



THE WATER INSTITUTE
OF THE GULF

EXPERT PANEL ON DIVERSION PLANNING AND IMPLEMENTATION CHARGE FOR MEETING 1

JANUARY 2014

INTEGRATING APPLIED RESEARCH.
LINKING KNOWLEDGE TO ACTION.
BUILDING PARTNERSHIPS.



MEETING 1 CHARGE

- ◆ Given the complexity of the issues that must be considered in the design and operation of a major sediment diversion and the fact that no analogs of an appropriate scale exist, what are the most appropriate approaches to address uncertainty in diversion planning and design?



SPECIFIC QUESTIONS

- ◆ Are the suggested approaches for assessing performance of river modelling and their uncertainties appropriate? How do they compare to the current standard of practice?
- ◆ What approaches to considering uncertainty might be used for circumstances (e.g., in the receiving basins) where validation data are limited? Are there examples where these have been used on other systems where major environmental management decisions are being made?
- ◆ How should estimation of different types of diversion effects (e.g., physical and biological) incorporate uncertainty? Can uncertainty regarding different types of diversion effects be integrated and, if so, how?
- ◆ What are best practices for conveying complex methodology and the uncertainty surrounding anticipated diversion effects to diverse stakeholders? What level of uncertainty might be deemed “appropriate” for a major diversion project?