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# Expert Panel on Diversion Planning and Implementation

## CHARGE FOR MEETING #6

October 27, 2015

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### CHARGE QUESTIONS

1. The Fall 2015 decision relies on various analyses to demonstrate the effects of different sediment diversions, individually and in combination, on the receiving basins. There are four groups of analyses dealing with different aspects of system change:
  - Land building and landscape change
  - Vegetation and the fate of nutrients
  - Fish and shellfish communities
  - Socio-economics

For each of these types of supporting information, the Panel is asked to respond to the following questions:

*Patterns of Change.* Given the assumptions regarding controlling factors, e.g., subsidence, sea-level rise, river flow, and sediment availability, does the Panel see any inconsistencies or counterintuitive patterns of change in the results of the 50 year simulations of the future without project condition, individual diversions, collective diversion operation, or changing operational regime

*Use of the Results.* Is CPRA's interpretation of the differences among diversions in terms of a) the patterns of change across the study area, b) the magnitude of effect vs. future without project, and c) the differences among diversions, reasonable given the uncertainty involved in the analyses? Are the differences among projects and against the future without project on which the decision is based supported by the analysis given uncertainties in input data, model parameterization, etc.?

2. In light of the model results presented, what recommendations does the Panel have, beyond those made in previous Panel reports, to refine the analytical approach as the selected sediment diversions move into the next phase of engineering and design?