

DRAFT

7/11/97

CALFED Bay-Delta Program Delta Levee System Integrity Common Program Seismic Risk Evaluation

Preliminary Questions for Agencies/Stakeholders

- 1) What is an acceptable risk for reliance on the Delta levee system for water supply?
- 2) What is an acceptable risk for continued investment of public funds for infrastructure, environmental resources, and other public resources?
- 3) What method would you recommend to calculate an overall risk of failure from all occurrences including flood, seismic, other forces? What approach would you recommend for presentation of the results?
- 4) What method would you use in assessing recommended actions and making decisions for implementation?

Preliminary Technical Questions

- 1) What is the potential for the occurrence of a seismic event which could produce a level and duration of movement likely to produce levee failure in the Delta?
 - 1.1) What is the magnitude of an event likely to produce levee failure in the Delta?
 - 1.2) What is the likely regional distribution of an event likely to produce levee failure in the Delta?
- 2) What are reasonable, cost effective actions which could be undertaken to improve the stability of the Delta Levee system under seismic events?
 - 2.1) What regions of the Delta, in order of priority, require improvements?
 - 2.1) What are practical and affordable actions, in order of priority, for these regions?
- 3) What are the elements of a program which can identify outstanding Delta levee seismic issues which need to be addressed? Can these elements fit within our adaptive management approach?
 - 3.1) What order of priority should these actions be undertaken?