

RISK ASSESSMENT OF A
SELECTIVE WITHDRAWAL
DEVICE ON
GLEN CANYON DAM

A COLLABORATIVE RISK ASSESSMENT APPROACH

GCMRC SCIENCE ADVISORS

BOR/COE MANAGERS/SPECIALISTS

GCMRC SCIENTISTS/SW SCIENTISTS

SCHEDULE

JAN/FEB'03: WORK PLAN/INFORMATION
ASSESSMENT

MARCH'03: MANAGER/SCIENTIST
INTERVIEWS

MARCH 21-24; PAGE SW WORKSHOP
MANAGERS; SW SCIENTISTS;
GCMRC SCIENCE

APRIL/MAY'03: SCIENCE ADVISOR
ASSESSMENTS

JUNE/JULY'03: SCIENCE ADVISOR REPORT

POTENTIAL RISK ASSESSMENT ISSUES

- ● POLICY
- ● ECONOMIC
- ● TECHNICAL
- ● RESOURCES: RIVER, RESERVOIR

GCMRC SCIENCE ADVISOR RISK ASSESSMENT ISSUES

COLORADO RIVER

- PHYSICAL
- BIOTIC

LAKE POWELL

- PHYSICAL
- BIOTIC

? LAKE MEAD

- PHYSICAL
- BIOTIC

COLORADO RIVER SW RISK ASSESSMENT ISSUES

PHYSICAL

- TEMPERATURE
- WATER QUALITY

BIOTIC

- PRIMARY & SECONDARY PRODUCTIVITY
- NON-NATIVE PREDATION: TROUT
- NON-NATIVE PREDATION: OTHER
- NATIVE FISH HEALTH & REPRODUCTION

LAKE POWELL

RISK ASSESSMENT ISSUES

PHYSICAL

- TEMPERATURE REGIMES
- WATER QUALITY

BIOTIC

- PRIMARY & SECONDARY PRODUCTIVITY DYNAMICS
- FISH DYNAMICS/INTERACTIONS
- FISH HEALTH/REPRODUCTION

RISK ASSESSMENT PROCESS

- DEFINING PRIMARY RISK ISSUES
- DEFINING RISK DIMENSIONS
- EVALUATING PROBABILITY OF EVENT OCCURRENCE
- DEFINING PENALTY DIMENSIONS