

Fiscal Year 2009 Science Advisors Program
Report to GCDAMP

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Presentation to Technical Work Group and
GCMRC

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Program Administration

- GCDAMP SA program is contracted by USGS through RFP process to M3 Research
- Current contract period is 2009-2014 with annual renewal and review.
- M3 Research is to provide all contract services of 6 Science Advisors and Executive Coordinator
- Budget: \$210,000.00

Required Contributions of Science Advisors

- Serve special functions not provided by other IRPs.
- Increase quality of science and management being developed and used by the Adaptive Management Work Group.
- Provide independent scientific oversight to insure efficient, unbiased, objective, science
- Comprised of interdisciplinary senior scientists
- Provide review of scientific and technical planning documents of GCMRC/TWG/AMWG.
- Provide advisory service to GCMRC, AMWG, TWG and Secretary

The Following Proposals, Reviews and Advisory Service Were Developed in FY 2009 by the SAs

- Review of 2010-2011 Draft Annual Research and Monitoring Plan
- Review of 2010-2011 Draft Budget
- Development of Management Actions Proposal
- Development of paper on GCDAMP accomplishment
- Development of Draft Management Action Report
- Review of Symposia Papers
- Review of Core Monitoring Plan
- Prospectus for Socio-economic science program

The Following Proposals, Reviews and Advisory Service Were Developed in FY 2009 by the SAs (con't)

- Conference call of SA review of Near Shore Ecology
- Conference call of SA review of Non-native Fish Plan
- TWG presentation on Near Shore Ecology Plan
- TWG presentation on Non-native Fish Plan
- TWG presentation on Fall Steady Flow Plan
- GCMRC conference call on review of CMP
- TWG conference call report on CMP review
- AMWG presentation on Management Action proposal
- TWG presentation on Management Action Proposal

SAs Projected Document Reviews and Advisory Service for 2010 and 2011

- Review of proposed 2011-12 Science Program and activities
- Review of proposed 2011 science program budget
- Review of GCMRC's Fall Steady Flow Science Plan
- Review of 2000 LSSF Synthesis Report
- Review individual Core Monitoring Plans for:
 - ▣ Aquatic Food base
 - ▣ Lake Powell
 - ▣ Downstream Water Quality
 - ▣ Native and Non-native Fish

SAs Projected Document Reviews and Advisory Service for 2010 and 2011 (con't)

- ▣ Vegetation
- ▣ Camping Beaches
- Review of overall fisheries science and modeling direction
- Review of overall sediment science and modeling direction
- Review of TWG/AMWG/GCMRC proposed socioeconomic science RFP/science plan
- Review of management/science planning direction regarding HBC translocation and trout abatement
- Review of 2008 HFE Summary project reports in FY 2010
- Review of HFE Synthesis report in 2011

SAs Projected Document Reviews and Advisory Service for 2010 and 2011 (con't)

- GCMRC/TWG/SA workshop on CMP.
- AMWG/TWG/GCMRC/SA workshop on GCDAMP effectiveness; SAs assist in prospectus development and participation.
- TWG/GCMRC/SA workshop on management actions, SAs assist in prospectus development, reports, presentations etc.
- GCMRC/TWG/SA workshop on socioeconomic program plan. SAs assist in prospectus development, workshop, reports, etc.
- GCMRC science workshop on aquatics/fisheries ecosystem modeling led by Senior Ecologist. SA participation in 2010 meeting.
- Assist GCMRC in designing and implementing ecosystem science approaches in research and monitoring programs, experimental options. modeling, sampling designs, etc.

SAs Projected Document Reviews and Advisory Service for 2010 and 2011 (con't)

- Working with GCMRC Chief, leadership team, and Senior Ecologist, assess opportunities for greater integration and improved overall system assessments of biology programs.
- Participation in January 2010 annual reporting workshop/TWG meeting on 2008 HFE results
- Participation in science/stakeholder workshop on aquatic ecosystem modeling outcomes.
- Participate in combined Quality-of-Water (including Lake Powell) and Aquatics PEP in FY 2011 for CMP.
- Participate in Recreational PEP in FY 2011 for CMP.
- Assist GCMRC in development of revision of 2005 KA.
- Participate in development of SCORE II report

GENERAL SCIENCE ADVISOR RECOMMENDATIONS

- ◉ Establish TWG Management Planning Group (MPG) to provide management guidance on management actions and AM protocols needed by the GCDAMP
- ◉ Implement more collaborative workshops of AMP entities to improve AM protocols and operational effectiveness,
- ◉ Provide risk assessments especially as relates to management actions on non-native fish, native fish, cultural resources, HBC translocations, HBC Comprehensive Plan, flow regimes, etc

GENERAL SCIENCE ADVISOR RECOMMENDATIONS (CON'T)

- Increase Interdisciplinary science program implementation and Integrated resource science study and assessments
- Utilize assessments of knowledge, improved science synthesis, modeling and risk assessments to clarify best non-native fish and native fish management alternatives and management actions for Colorado River ecosystem,