

## USGS SERVICE CONTRACT INVENTORY 2012 CONTRACT

<b>Contract #:</b>	<b>G09PC00024/0004</b>	<b>Date:</b>	FY2012	<b>Current PSC:</b>	R409
<b>Contract Specialist:</b>	T. Melis	<b>Customer:</b>	USGS-SBSC Grand Canyon Monitoring	<b>Suggested PSC:</b>	N/A
<b>Contract Title:</b>	Non-personal services for science advisors and science advisor coordinator			<b>Contract \$: (task order \$)</b>	\$189,000.00
<b>Description of Scope:</b>					
<b>Contractor:</b>	M3 Research	<b>COR/COTR:</b>	C.	<b>Contract Type:</b>	Fixed price
<b># of Contractor Employees on site:</b>	0	<b># of Essential USGS Personnel:</b>	0		

### Need for SA Project

The SAs are expected upon request to review and comment on the following:

Results of ongoing and completed monitoring and research program activities, as well as any synthesis and assessment activities initiated by the GCMRC

The appropriateness of the GCMRC's Requests for Proposals (RFPs), especially their responsiveness to management objectives

Protocols used in the GCMRC-sponsored scientific activities, including a 5-year review of GCMRC monitoring and research protocols

The GCMRC's long-term monitoring plan

The GCMRC's biennial monitoring and research plans

The GCMRC's biennial budget proposals, to ensure that the science program is efficiently and effectively responding to AMWG goals

### Science Advisor Independent Reviews; 2011

Science Advisors review of RFP: Natal origins of rainbow trout in Marble Canyon/LCR confluence area.

Science Advisors review of RFP: Mechanical Removal of rainbow trout using electro-fishing between the Paria River and Badger Rapid.

Science Advisors Review of the General Monitoring and Research Plan for High Flow Experimental Protocol.

Science Advisors Review of the "Preliminary Research and Monitoring Plan in Support of the Draft Environmental Assessment, Non-Native Fish Control Downstream from Glen Canyon Dam".

Science Advisors Review of Non-Native Fish Control Science Plan.

A Review of the Report, "Non-Native Fish Control Below Glen Canyon Dam; Report from a Structured Decision Making Project".

Science Advisors Review of the Glen Canyon Dam Adaptive Management Program Biennial Budget and Work Plan; Fiscal Years 2011-2012.

### **Science Advisors Service Activities; FY 2011**

Review input to SW Center Leader, USGS. Review of GCMRC Chief candidates and panel assessments.

TWG PPT: FY 2010 SA Annual Program Report to GCDAMP.

Asst. Sec. Report and Conference Call: Roles of representatives of academic and scientific communities in adaptive management programs.

TWG and AMWG PPTs: Proposal for potential DSS methods in AMP and update.

AMWG and TWG PPTs: SIAHG and SEAHG reports on proposed new Information Needs for recreation and hydropower.

Asst. Sec. Conference Calls: Approaches to integrating management and science in adaptive management programs.

Asst. Sec. Conference Calls: SEAHG approaches in development of socioeconomic programs and SA proposals for socioeconomic programs.

TWG and AMWG Reports and PPTs: SEAHG final reports and PPTs on development of Socioeconomic Programs.

TWG PPT: Science Advisor review of 2011/2012 Biannual Work Plan.

GCMRC KA Workshops: Attendance and participation in four workshops.

TWG and BAHG Conference Calls: Conference Calls on programs and budgets.

GCMRC, TWG and AMWG Meetings and Workshops: Attendance and participation in formal meetings of AMP entities.

### **Science Advisors Projected Reviews; FY 2012**

The following represent planned reviews based on ongoing programming in the AMP entities, i.e. GCMRC, TWG, AMWG and related committees and agencies. Some documents and related reviews may be delayed until 2013.

FY 2013/2014 Biannual Budget

FY 2013/14 Biannual Work Plan

2000 Low Summer Steady Flows Synthesis Report

Aquatic Food Base/Lake Powell and Downstream Water-Quality Monitoring Plan

Native and Non-Native Fish Monitoring Plan

Vegetation Monitoring Plan

Camping Beaches Monitoring Plan

Reviews of Draft Sections of LTEMP Reports

Knowledge Assessment Documents for SCORE Report

Draft Areas of SCORE Report

Socioeconomic Program Science Plan

Five Year Strategic Science Plan

**Science Advisors Projected Service; FY 2012**

Participate as requested in development of areas of State of the Colorado River Ecosystem in Grand Canyon Report

Attend and participate in all formal GCMRC, TWG and AMWG meetings and workshops

Participate in BAHG and provide assistance in reporting and budget reviews

Participate in combined final quality -of-water and aquatics protocol evaluation panel in FY2012

Participate in annual GCMRC/TWG science and management reporting meeting

Participate in final recreational protocol evaluation panel

Provide Chairperson and leadership in SEAHG and related needs for reports and presentations

Provide assistance to GCMRC as needed in areas of market and non-market economics

Provide assistance to GCMRC as needed on integration of physical and biological programs and incorporating ecosystem approaches

Provide assistance to TWG, AMWG and Asst. Sec. Office on issues and projects related to integration of management and science areas of the GCDAMP

Fiscal Year 2011 Science Advisors Program Report  
to GCDAMP

Lawrence D. Garrett, Executive Coordinator

Presentation to Technical Work Group and  
GCMRC

April 16-17, 2012

Phoenix, AZ

# Program Administration

- GCDAMP SA program was contracted by USGS through competitive RFP process to M3 Research in 2009
- Current contract period is 2009-2014 with annual renewal and review.
- M3 Research is to provide all contract services of 6 Science Advisors including Executive Coordinator
- Budget: \$189,000.00

# 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

# Types of SA Reviews: Primarily GCMRC Documents

- ⦿ Research program results such as synthesis and assessments
- ⦿ RFPs
- ⦿ Scientific protocols used
- ⦿ Long term monitoring plans
- ⦿ Strategic and biannual science plans and budgets
- ⦿ TWG and AMWG program plans/proposals

# Types of SA Service

- Attend and provide SA perspectives at all formal GCDAMP meetings
- Attend and provide SA perspectives at all GCDAMP workshops
- Provide leadership for or participate in GCDAMP committees and Ad Hoc Groups
- Develop reports on GCDAMP issues of concern or interest
- Respond to information needs of entities/members

# The Following Reviews Were Developed in FY 2011 by the SAs

- Review of 2011-2012 Biannual Research and Monitoring Plan
- RFP Review: Natal origins of rainbow trout
- RFP Review: RBT removal between Marble Canyon/Badger Rapids
- General Monitoring and Research Plan for HFE Protocol

## SA FY 2011 Reviews (con't)

- Preliminary research plan in support of draft EA, Non-Native Fish Control Downstream from Glen Canyon Dam
- Review of Non-Native Fish Control Science Plan
- Review of Report: A Structured Decision Making Project; Non-Native Fish Control Below Glen Canyon Dam

# SA Service Activities; 2011

- Review input and panel assessments for SW Science Center Leader; GCMRC Chief
- Attendance and participation of AMWG/TWG/GCMRC meetings
- TWG PPT: SA 2010 Annual Report
- Asst. Sec. Report and CCs: Roles of academic community in adaptive management programs
- TWG and AMWG PPTs: Proposed DSS project
- TWG and AMWG PPTs: SIAHG and SEAHG reports on recreation and hydropower INs

# SA Service Con't

- Asst. Sec. CCs and Memos: Approaches to integrating Mgt. and Science in AM programs
- TWG and AMWG PPTs: SEAHG final reports on SE program/presentations
- TWG PPT: SA review of Biannual Work Plan
- GCMRC KA Workshops: Participation and input at four workshops
- TWG/BAHG/SEAHG/SIAHG Conference calls
- Asst. Sec. CCs/Memos: SE Program development

# SAs Projected Document Reviews for 2012

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- Review of draft GCDAMP 2013-14 budget
- Review of draft 2013-14 Annual Work Plan, activities, budget
- review of integrated aquatic food base, Lake Powell, downstream water quality Core Monitoring Plan
- Review Native and Non-native Fish Core Monitoring Plan
- Vegetation monitoring plan

# Projected 2012 SA Reviews Con't

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- Camping beaches monitoring plan
- Reviews LTEMP draft concept papers/draft elements of texts
- Knowledge Assessment documents for SCORE Report
- Draft sections of SCORE Report
- Socioeconomic Program Plan
- Low Summer Steady Flows synthesis Report
- Five Year Strategic Science Plan

# Projected Science Advisors Service: 2012

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- Provide service as needed to SCORE Report
- Attend and provide SA perspectives at all TWG/GCMRC/AMWG meetings
- Provide SA perspectives in GCDAMP workshops
- Participate in BAHG processes
- Participate in annual GCMRC/TWG science and management reporting mtg.

# Projected 2012 SA Service Con't

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- Provide Chairperson and leadership in SEAHG on program development/reports
- Provided assistance to GCMRC on SE Program as needed
- Provide assistance to LTEMP process as needed
- Provide assistance to TWG/GCMRC CMP process as needed
- Provide assistance to GCMRC on program integration and ecosystem approaches as needed