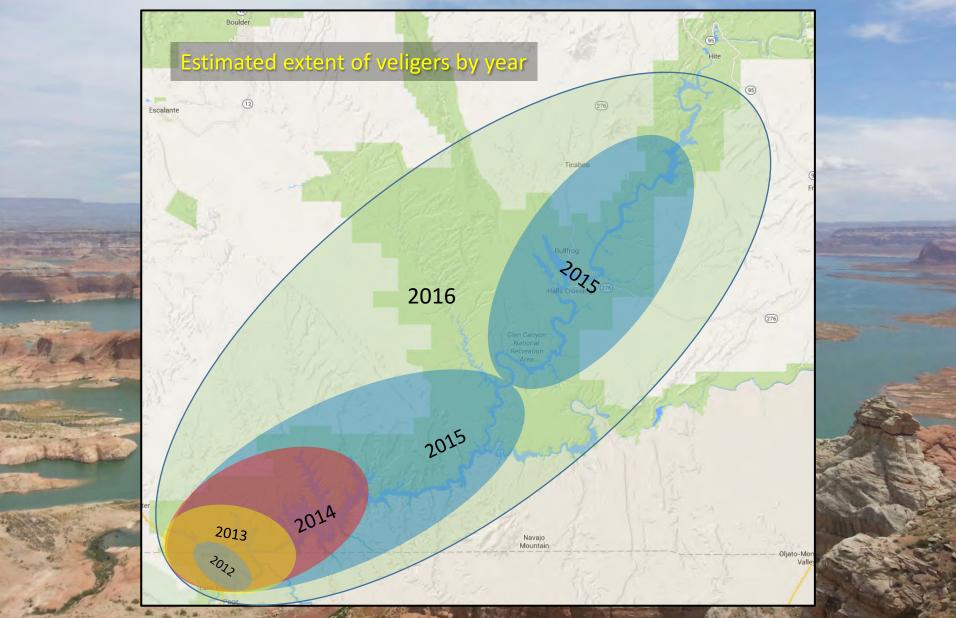




National Park Service U.S. Department of the Interior







## **GLCA Containment Program**

NPS Quagga/Zebra Mussel Infestation Prevention

and Response Planning Guide

Initial to Extended to Long-term Response

Objective 1: Determine extent of infestation

Objective 2: Contain infestation through management

**Objective 3:** Investigate treatment options

Objective 4: Long-term management responsibility



## **Administrative/Agency Controls**

#### CUA's, SUP's, Researchers, Contracts, Agreements, etc.

- > Prevent new AIS in Lake Powell Clean, Drain, Dry
- Contain Mussels in Lake Powell
- ➤ NPS attendance at all SUP pre-meetings
- > Inform clients, seek assistance
- Vessel reporting
- > HACCP

#### **Concessioner-Contract limitations**

- ➤ Letters to slip/moored customers
  - ✓ Notification of infestation and state law requirements
  - ✓ Signed acknowledgement of owner responsibility
  - ✓ Toxic anti-fowling paint, scraping, slip liners, boat lifts...
- Advertisement in brochures
- > Posters in marina facilities
- Attendance at Watercraft inspection and Decontamination Training



## **Agency Cooperation and Partnerships**

#### MOU-Utah/NPS

- Joint participation, effective communication, and collaboration to prevent AIS to or from Glen Canyon
- Existing decon stations use
  - ✓ NPS oversight and support
  - ✓ Flow Chart
- Designated "Clean, Drain, Dry" areas
  - ✓ Inspection, screening, tagging
- > Cooperative effort
- Best use of relative strengths and resources











## **Agency Cooperation and Partnerships**

#### **Boat inspections:**

- ➤ Multiple locations lake wide
- ➤ Utah checkpoints & receiving waters

#### **Boater education:**

- ➤ 4 WIT/WID Level II for Commercial Use Authorization's, Agencies & Concessions staff
- ➤ 16 SUP Meetings

#### **Boat decontamination:**

- > NPS & Utah coordination
- Local private business both uplake & downlake !!!!







### **NPS Outreach & Education**

#### **Boater audiences:**

- Come & go
- ➤ Slipped & moored

#### **Focused AIS messages:**

"Clean, Drain, Dry", "Pull the Plug", "Don't Move a Mussel"

#### Park messages:

- "Know Before You Go"
- > "Powell Watch"
- "Love Your Lake"
- "Find Your Park"

#### **Targeted medium:**

> Informal & formal programs









## 2016 AIS Program Highlights

- **▶113** Informal table programs:
  - ✓ Marinas, campground store
- > 3 Special Events:
  - ✓ Marina Days, Centennial B-DAY hosted by ARAMARK, Balloon Regatta



- ✓ Fishing Tournaments, Poker Runs
- **≻6 Media attendances**
- ➤ Horseshoe Bend heat safety support week
- > 57,738 Information, orientation and interpretation
- >79,761 vessels = 121,066 "Clean Drain Dry"

**\$178,804** Total visitor contacts





# Interagency Meeting Goals Utah & Arizona WAFWA members with GLCA, IMR, WASO NPS

- 1. 100% decontamination compliance of long-term slipped/moored boats with mandatory dry time and 100% vessel tracking
- 2. Strategic, coordinated outreach for boaters/groups/audiences of Lake Powell regarding AIS seeking 100% exposure
- 3. Consistent boater requirements for AIS across jurisdictions
- 4. Uniform approach to vessel tracking (logging and sharing info regarding boat movement) across the West (ANS Utility APP)
- 5. All day-use vessels will be drained including pulling plug when leaving infested waters in Glen Canyon NRA
- 6. AIS Programs are sustainable, consistent, efficient, professional and provide for safe work conditions and good customer service
- 7. Lake Powell AIS program is seen as a model for success in the West

