

Final Draft Minutes

100th Meridian Initiative - Columbia River Basin Team Meeting
October 3 - 4, 2012
Northern Quest Resort
Spokane, WA

Introductions and Announcements: [See end of document for attendance list]

Comments and Approval of June Minutes: The final minutes from the June meeting were approved and can be found at http://www.100thmeridian.org/Columbia_RBT.asp

QUAGGA/ZEBRA MUSSEL ISSUES

David Britton (USFWS, call-in): Status of FY 2012 \$1 Million (Lake Mead):

David called in to go over implementation progress for the FY 2012 DOI appropriation for the Lower Colorado River (LMNRA). David described some of the administrative differences between the AIS programs at Lakes Mead Powell National Recreation Areas. The Lake Powell program is functioning better at this time and has a superior program with full support from the Glen Canyon NRA superintendent. In contrast, the superintendent at Lake Mead NRA has stated that he did not want additional money for containment and that a containment strategy will not work. As such, he may have a vested interest in seeing that it doesn't. As for funding (See Attachment 1), some of the funds were or will be distributed to the states of California, Utah, Nevada, Oregon, Washington and Arizona. The status of these funds (mostly for enhances AIS law enforcement) can be found in **Attachment 1** (at end of this document). The states of NV, AZ, WA, UT, CA and OR have either received their law enforcement funding or are in process of finalizing their paperwork to receive the funds (CA, NV). The State of ID and Lake Tahoe Regional Planning Agency requested no funding from these funds for their law enforcement activities.

David discussed the "check-in, check-out" database for moored boats at Lake Mead. They have found a contractor (U. of Texas, Arlington) and work has begun. The servicing of the decontamination units at Mead has begun. David mentioned that his boss, Mike Oetker, will be meeting with Mike Carrier (USFWS Portland) and the State of Idaho in November in Boise to discuss the Lake Mead situation and the USFWS funding going there.

There were several questions from the Team on the check in check out database and the importance of getting that tool in place in a timely manner.

Reporting hotlines: There was discussion on the 1-877 Stop ANS national reporting hotline that is administered by the USFWS. A recent report had come in that was not

routed properly. David said that the phone operators work off a list of AIS coordinators and that told folks to provide contact information for their agency if they were not on the list.

Sam Chan (Oregon Sea Grant) -- Report on Assistant Attorneys General AIS Workshop:

On August 22–23, 2012, a workshop was hosted by the Arizona Game and Fish Department and convened in Phoenix, Arizona, by the US Fish and Wildlife Service, the National Association of Attorneys General, Oregon Sea Grant, the National Sea Grant Law Center, and the Western Regional Panel on Aquatic Nuisance Species. The purpose of the workshop was to engage Assistant Attorneys General, natural resource agency attorneys, law enforcement supervisors, policy makers, and the Aquatic Invasive Species (AIS) Coordinators from the 19 Western states, interstate organizations, and Federal partners to establish clear legal and regulatory approaches and opportunities for AIS abatement and reform.

Sam said that this well attended workshop by law enforcement, AIS coordinator and Attorney general offices started with a field trip to Lake Pleasant, AZ (which is infested with quagga mussels).

The meeting website (including workshop products) can be found at (<http://seagrant.oregonstate.edu/invasive-species/2012-boat-mussels-law-workshop>)

Presentations, background white papers and panel discussions can all be found at the website. One clear deliverable from this workshop was the creation of an action plan that articulates needed actions at the federal/national, regional, state, and local levels to minimize the expansion of invasive mussels through watercraft movements in the western United States.

Stephen and Jim Ruff mentioned that both PSMFC and NWPCC committed at the workshop as part of the action plan to work on a legislative listing of quagga mussels to the Lacey Act. Jim said identifying a legislative champion will be key.

Robyn Draheim (USFWS) Karen Vargas (NDOW) - Zebra/Quagga CRB Rapid Response Exercises:

1. Robyn said that the State of Oregon was planning an exercise for Prineville reservoir, tentatively in April 2013.
2. Karen reported that Nevada was planning an exercise for Wildhorse reservoir in March 13-14 2013. This exercise will include tribal, county state and federal participants as well as states of Idaho and Oregon. They are also planning a ½ field trip to Wildhorse during the exercise. Karen said an announcement with further information will sent out in the next few weeks.

STATE/BC/TRIBAL AIS PROGRAM REPORTS:

Rick Boatner (ODFW) – Rick reported that stations were in the process of closing down for the season. They have intercepted 18 Boats with quagga/zebras in 2012 and that compliance at AIS inspection stations improved in 2012. Four citations were issues for failure to stop at stations in 2012.

ODFW is in the process of a new rule making to make both live and dead mussels illegal to possess (currently it is a temporary rule) . On Tsunami Debris – more dumpsters are being purchased for the extra debris. Rick said that they had a scare when two water bodies (Klamath Basin) tested PCR positive for Q/Z. Follow-up monitoring and analysis all came back negative. ODFW is going through a rule in which sterile muskellunge will be introduced into Phillips Reservoir.....the purpose is control yellow perch. This is a catch and release fishery.

Glenn Dolphin (OMB) – OMB administers the AIS permits for the state of Oregon (needed for watercraft 10 ft. and over). Over 400 warning were issues for failure to have an AIS permit in 2012 (no citations). They continue to work on improving enforcement compliance.

Steve Wells (PSU) – Steve talked about the sampling and analysis PSU did following the positive PCR hits for Upper Klamath Lake (OR) and Wildhorse reservoir (NV). A significant amount of staff time was spent on these samples (especially Klamath) – they all came back negative for microscopy and PCR. Steve also said that with again in 2012, with BPA funds, they were conducting Q/Z sampling in the CRB in cooperation with the USACE. Forty samples have been collected with 27 analyzed to date (all negative) . The BLM has provided funding to PSU to do dreissenid sampling in Central Oregon. Steve mentioned ne needs to send his wildhorse sampling/analysis data to Karen V.

Allison Begley (MTFWP) - reported that they will have monitored 300 sites this year (substrate and plankton) and the Montana FWP lab will analyze another 800 samples from other states. They continue to monitor state hatcheries for dreissenids. For outreach -- they are pushing the Clean Drain Dry message. They are monitoring boater behavior (bolting behavior at check stations). The state had 4 roving and 8 permanent AIS inspection stations (MDA and MTFWP) in 2012 and have inspected over 35,000 boats. All stations will be closed by mid-October. One hundred fouled boats have be intercepted to date, 4 with dreissenid, other species found include NZMS, milfoil, illegal bait.

Allen Pleus (WDFW) -- discussed an Aquatic Invasive Species Management (AISM) Legislative Proposal for 2012. Key Proposal Objectives:

- a) Consolidate current AIS legislative directives into a single Title 77 RCW chapter
- b) Incorporate an integrated AIS management process through consultation and coordination with the Invasive Species Council
- c) Enhance the AIS classification system to increase flexibility of response and risk management capacity
- d) Require the posting of the scientific name of aquarium, live-food-market, non-domesticated pet, and similar species when used in commercial transactions

- e) Enhance existing authorities for transported AIS on state roadways
- f) Provide explicit authority to request state Emergency Declaration and implement emergency measures when AIS pose substantial, imminent risk

The current draft of the legislation is being reviewed by the WA invasive species council. Allen also reported that another Tsunami dock had appeared off Hawaii, but now it has disappeared. Allen spoke of the green crab find by DFO Canada in Sooke harbor – which is a concern.

Jesse Schultz (WDFW) -- Said that they have dreissenid 63 monitoring sites this year and are always looking for partners to collect samples. WA doesn't have permanent inspection stations, though they do set up temporary mandatory check stations and inspection, they also inspect boats for Ais when doing boater safety checks. Jesse also mentioned that NZMS may be in Kelsey Creek (Lake Washington) .

Jim Irish (BPA) said he saw a commercially hauled boat with AZ? Plates on it while commuting to work in (on I-205 in WA). He called the WA hotline and he was told that 6 other people had already called about this boat. Jim said this was a good sign that people are on the lookout.

Patricia Woodruff (BC) -- reported that a prohibition on live possession, breeding, shipping/transport and release on snakeheads, Asian Carp, bullhead and channel catfish, gobies, and other live food trade and aquarium fish was going through in BC. These species will be listed under the Controlled Alien Species regulation in the BC Wildlife Act. Both live and dead zebra, quagga and Conrad's false mussels are also being listed. The plan is to have the regulations amended and signed off in the fall of 2012. Boat inspections and seizure of mussels (if attached to the boat, possible boat seizure as well) are being considered. The Clean Drain Dry message will be included as part of the related policy piece to the regulations. The BC Invasives Species Act is in the concept state, aiming for 2015 once approval for the business case goes through. BC has received help from Steve Wells at PSU on training new technicians on lab microscopy for veliger identification. On the Shuswap Lake incident -- "dead" mussels were found on a launched boat – monitoring at the marina has shown only ostracods (no dreissenids) .

Karen Vargas (NDOW) – Following the positive detections at Wildhorse reservoir by BOR, follow-up samples were conducted by NDOW and PSU. All of those samples came back negative. Karen mentioned that NDOW and other partners (Sho-Pai, NVDP, and USFWS) are planning a rapid response exercise in March at Elko Nevada. They will be providing WIT II training to NV law enforcement in January in Laughlin. Several regulations are currently being considered by legislative committee –AIS list, AIS sticker (fee). Their AIS sticker fee goes into effect January 1, 2013.

Blaine Parker (CRITFC) -- reported on a LARGE grass carp caught by a tribal fishermen. He has other tribal fishing reports of tribal interception of grass carp as well.

Amy Ferriter (ISDA) -- reported that 15 inspection stations (in addition to 11 POE's which inspect commercially hauled boats) operated in 2012. They are targeting high risk boats/ Large Moored Boats including Seasonal Idaho boats (Snowbirds), Boats purchased out-of-state, and Out-of-state boats that are being relocated to Idaho. 2012 inspection factoids are as follows:

- Total inspections statewide (in 2012): 41,774
- Fouled boats (in 2012): 57 (that averages to a fouled boat for every 720 inspections)
- 37 of the fouled boats came from the Lower Colorado (29 of those were from Lake Mead, that's more than 50% of the total fouled boats)
- 93 mussel fouled boats have been intercepted since the beginning of the program in 2009 (more than 120K inspections have been done).

Keys to Higher Interception Rates (2012)

- Open earlier
- Targeting Commercially hauled boats
- Seasonal "Snowbird" Idaho boats
- Boats purchased out-of-state
- Moored Boats

Amy showed a letter they sent to aquarium stores on ID rules and regs for invasive species in the pet trade.

REGIONAL WEED UPDATES:

Jenifer Parsons (WADOE) spoke about WA's aquatic plant survey and treatment program. Weeds are classified as follows: Class A – eradication is goal and includes Hydrilla, Flowering rush, Variable leaf milfoil; Class B – control where not widespread, Class C – control a local option; and Quarantine. Rarely do treatment in-house and they have a grant program to fund projects. About \$500,000/yr available for treatment and also using money to attack Class A aquatic weeds.

Aquatic weeds of regional significance include Flowering rush, Eurasian milfoil, Phragmites yellow flag iris, purple loosestrife, and curly leaf pondweed. Flowering rush is a Class A weed and has been in WA since at least early 90's. It is in limited sections of the Pend Oreille River, and Spokane, Yakima and Columbia Rivers. Control is challenging: especially for submerged growth and growth in flowing water. Hand pulling is not very effective, covering is not very effective. For herbicides, some products show some promise in the lab, but contact herbicides provide the best results so far in the field. Not sure about long term reduction. They are looking for partners for biocontrol efforts. On milfoil –

- Relatively easy to control, though difficult to eradicate
- Mixed feelings about priority, some thoughts about changing to Class C weed
- Problem in some areas, not in others
- Where it isn't a problem – water level fluctuation or insect herbivores seem to help

BiJay Adams (WALPA) Washington State Lake Protection Association: collaboration opportunities. BiJay discussed his organizations willingness to partner with other agencies on AIS issue. WALPA does employ a lobbyist and could be helpful there. Their website is <http://www.walpa.org/>

Tom Woolf (ISDA) Idaho Hydrilla, Milfoil, Hyacinth Update:

- Milfoil: in 2012 168 acres treated with herbicide in Lakes Pend Oreille, Cocolalla and Hayden
- High Priority areas were treated (Triclopyr used) as well as small milfoil populations. Treatment efficacy was excellent with no milfoil found in majority of treatment areas. This was the first year of treatment under the EPA NPDES permit. For Priest Lake only diver removal was used in 2012 (Very low densities found, also removing curlyleaf pondweed and mystery snails.
- Flowering Rush: Expanding in the region. Lake Pend Oreille: Over 500 acres of dense growth. Established on entire north shore of the lake. At Sandpoint hand removal was conducted (herbicides don't work). Concerns are that flowering rush provides good habitat for invasive warm water fish.
- Hydrilla: First identified in Idaho in 2007 in 12 miles of river, treatment consisted of Treatment with herbicide, divers and hand removal. No hydrilla found in CJ Strike Reservoir or in the Snake River, 74% reduction from 2010 to 2011, Diver and hand removal only in 2012
- More regrowth than expected, Small population in Boise also undergoing eradication. Water
- Hyacinth: Previously on Idaho's "Monitor" list, Emergency Listing by the Ag Director,
- Identified in over 10 miles of river, High densities observed, Overlaps habitat of 2 ESA listed snails (Giant Rams Horn Snail also present)

Mike Mackey (Chelan County Weed Control) – Mike discussed milfoil control in his county. They have numerous state, federal and county partners in the project. They have been working on a coordinated weed management plan with an application to be ready in 2014. For permitting – a good contact is Jonathan Jennings (WADOE) joje461@ECY.WA.Gov, who has a Freshwater Aquatic Plant, Algae, and Nutrient Control and Eradication NPDES Permitting Flow Chart. Mike went over the challenges faced by milfoil and how milfoil has overtaken slack pool area waters that are important resting areas for native fish (e.g. bull trout) . Milfoil also impacts recreation in the area – an important income generator for small towns. Chelan County provides some control of milfoil (weed harvester)

Jen Bayer, PNAMP/USGS Monitoring Coordination & Data-sharing: [The Pacific Northwest Aquatic Monitoring Partnership \(PNAMP\)](#) provides a forum to enhance the capacity of multiple entities to collaborate to produce an effective and comprehensive network of aquatic monitoring programs in the Pacific Northwest based on sound science designed to inform public policy and resource management decisions. PNAMP supports guidance for monitoring design, methods for data collection, analysis, management, and sharing, and tools to make it easier to: design & document monitoring collaborate, discover & share data. PNAMP sponsors www.MonitoringMethods.org - a monitoring resources tool. CRB Team members are welcome to provide input on this web tool.

THURSDAY OCTOBER 4

Dave Burch/Craig McLane (Montana Department of Agriculture) Montana's aquatic weed issues. Information was presented on MT's Eurasian Watermilfoil (EWM) Management Areas. These management areas give MDA ability to quarantine the waterbody for any listed pest. For watercraft inspection stations – 6 stations were operated May 24 – Sept 3, within EWM Management Areas. They were mandatory for all for all watercraft. 14,016 boats were inspected through 9/4/12. 35,000 inspections conducted between FWP and MDA. For aquatic plant monitoring: Efforts conducted by multiple counties, state agencies, and organizations,. In 2011- 64 lakes; 8 rivers were surveyed and 2 new EWM infested waterbodies discovered (Beaver Lake, Jefferson Slough). Beaver Lake was quarantined – lake owners supportive of this. In 2012 - 78 lakes; 10 rivers were monitored with no new EWM locations but did find 1 new flowering rush infested waterbody (Hungry Horse Reservoir). 2012 EWM control efforts were conducted at Fort Peck, Noxon, and Tosten Reservoirs, and Beaver lake, Jefferson Slough and Cottonwood Channel (Canyon Ferry reservoir).

Daniel Bertram (Lemhi County Weed Control) - Idaho Weed Superintendents efforts: aquatic plants, NPDES. Daniel said that Idaho has 44 counties with 41 weed superintendents, as well as a state Noxious Weed law. There are 64 noxious weeds on the list, 15 on the EDRR list, 22 on the Control List, and 27 on the Contain List (15 are aquatic). EDRR species include Brazilian Elodea, Common/European Frogbit, Fanwort, Feathered Mosquito Fern, Hydrilla, Variable-Leaf-Milfoil, Water Chestnut, and Yellow Floating Heart. Daniel discussed National Pollution Discharge Elimination System (NPDES) . For Idaho, EPA will develop Pesticide General Permit (OR &WA, state does the permit) . A good website on permitting (EPA's "Pesticide Permit Decision Tool") can be found at <http://cfpub.epa.gov/npdes/pesticides/prtool.cfm>. The definition of waters of the united states was discussed as well as when a Notice of Intent must be submitted for pesticide application (See NOI webpage <http://cfpub.epa.gov/npdes/vessels/vesselsenoi.cfm>). NOAA also must be notified if an adverse incident that occurs during an application in salmon bearing watersheds. Daniel discussed how the weed and AIS worlds benefit from each other – one example being that some of the ISDA watercraft inspection stations are run by county weed boards (e.g. Cedars on 1-90).

Deane Osterman (Kalispel Tribe) -- Tribal AIS Issues/Northern Pike: Invasive Northern Pike in the Pend Oreille River, Washington:

- Northern pike established prior to 2004
- Began monitoring the population in 2005
- Increased exponentially from ~ 400 in 2006 to > 5,500 in 2010
- Range expanded throughout reservoir as well as downstream; Boundary Reservoir and Upper Columbia River
- All other species except smallmouth bass and tench have declined significantly

Threats of Expanding Population include:

Local

- Native species conservation and ESA recovery in lower Pend Oreille watershed
- Box Canyon, Boundary dams FERC license implementation

- Further illegal introductions into neighboring waters

Columbia River

- ESA recovery
- Tribal, recreational, commercial salmon and steelhead fisheries
- Lake Roosevelt resident fish mitigation and substitution

The management objective for control is an 87% reduction in abundance (CPUE) by 2014 and a three pronged approach is being used including 1) Increase angler exploitation through education and outreach. 2) Promote fishing contests that provide financial incentive for harvest. (PikePalooza 2012 (\$10,000 in prizes) and 3) Mechanical Suppression (Intensive gill netting 12-20 nets per day). Next steps for pike control include to continue gill netting and expand to Boundary reservoir in 2013. A warmwater survey in 2014, mechanical suppression at current level in 2014, as well as exploring measures, maybe another PikePalooza. Deane is looking to increase coordination efforts at the regional, national and international level. Increased penalties for transportation/possession & prosecution needs to be considered.

Geri Guinn (Diamond Lake Improvement Association) – Watercraft Inspection Program:

Geri discussed the lengthy process they went through with the State of Washington to get a watercraft inspection and decontaminations set up at Diamond Lake. Finally in late 2011 WDFW granted permission to set up the station. They are currently using cold pressure wash and if they do get a contaminated boat with mussels they call the sheriff, Inspection for launching watercraft are voluntary. They have a list of AIS infested lakes and if an out of state boat does arrive it is red-flagged. They did 1000 inspections in 2012.

MEMBER UPDATES:

Sam Chan (OSU) reported on the AIS boater survey conducted in Oregon. Survey respondents thought a combination of education and outreach and regulatory authority was the best way to control invasive species.

Jim Ruff (NWPC) said that they had sent letter to the Office of Management and Budget on 10/2/12 urging a specific line item in the Fiscal Year 2014 Fish and Wildlife Service budget to strengthen inspection and decontamination programs to reduce the threat of invasive zebra and quagga mussels invading Pacific Northwest waters through infected watercraft. Jim also mentioned that the council is beginning work on the Fish and Wildlife Program Amendments. The CRB Team members will want to keep track of this process. Jim will keep us posted.

Robyn Draheim (USFWS) said that USFWS had let a contract to investigate field methods to determine viability test for dreissenid mussels.

Steve Wells (PSU) updated the group on two PSU research projects funding by the BPA Technology Innovation program. The quagga growth vs. calcium and temperature study (Lake Mead) has wrapped up its field work. Some interesting early results show that quagga mussels did grow in Willamette River water. The antifouling paint (foul release) study underway – location – Port of Camas. Steve also reported that on the microscopy training manual -- The

manual will be an aid for those conducting veliger identification using light microscopy. This draft document has been sent out for review.

Jim Ruff asked how the PSU paint study is different from that done by BOR at Parker Dam.

Steve said that this study will complement the BOR study and that they are looking at different materials such as steel and concrete, and the PSU study is looking at the different paints durability.

Tim Dykstra (USACE) Tim reminded the team that the NW Division covers a large geographic area – all the way to St Louis. The Kansas City District has 7 mussel infested waterbodies. They are still trying to do on mussel vulnerability assessments.

Jackson Gross (Smith Root) spoke of the UV mitigation research for dreissenids that he is doing down at in the Lower Colorado River – good results so far.

PUBLIC COMMENTS

None

The Team thanked the Kalispel Tribe for hosting the meeting.

NEXT MEETING:

The next meeting of the CRB Team will be in the Portland Metro Areas May 14-15. We will seek another 2 day meeting that will include aquatic weed issues.

Attachment 1: List of priority actions proposed for 2012 QZAP funding targeting containment of quagga mussels in the Lower Colorado River with an emphasis on Lake Mead National Recreation Area [**Updated by David Britton 12/5/12**]

Thursday, May 10, 2012 Version (with updates as of December 5, 2012)

LMNRA Improvements

\$397,800 to the National Park Service for Lake Mead National Recreation Area (LMNRA) to support the following projects – **Update: This was increased to \$455,000**

1. Finalize a new wash station near Lake Mead Marina and Las Vegas Boat Harbor Marina (Cost is approximately \$117,000)
2. Repair and maintain existing (three permanent and two mobile) wash stations at LMNRA (Cost is approximately \$58,500)
3. Two quagga mussel coordinators at LMNRA for one year. One would focus on education and outreach and work directly with the concessionaires. The other would focus on monitoring and research. (Cost is approximately \$175,500)

4. Outreach/Education Materials at Lake Mead National Recreation Area, promoting the National Stop Aquatic Hitchhikers! Campaign. (Cost is approximately \$46,800)

Rapid Response Database – Update: This was not funded.

State Education/Outreach Campaigns

\$58,500 to Nevada Department of Wildlife and Arizona Game and Fish Department for outreach materials. – Update: This was increased to \$60,000

- We could expand the scope of existing cooperative agreements between the USFWS and these agencies.
- Outreach materials in Arizona would expand their existing campaign.
- Outreach materials in Nevada would help develop a campaign consistent with AZ and the federal Stop Aquatic Hitchhikers! Campaign.
- Emphasis should be on state laws and what is expected of boaters.
- This could include billboards and signs.

Check-in/Check-out Database

\$11,700 to the University of Texas at Arlington to develop a Check-in/Checkout database – Update: This was decreased to \$11,500

- We could expand the scope of an existing cooperative agreement
- This system would record all boats moored in LMNRA.
- It would also record all decontaminations.
- An online system would allow law enforcement to query the database by boat number to see if and when the boat was in Lake Mead or Mohave, and to see if and when it was decontaminated.
- This information could be used by interdiction personnel to help decide how to process a boat entering their jurisdiction.
- This system could be expanded to all infested waters with marinas.

Interdiction Rangers

\$117,000 to the National Park Service for interdiction rangers at Glen Canyon National Recreation Area (Lake Powell) – Update: This was decreased to \$100,000

- Lake Powell is one of the top destinations for boats leaving Lake Mead.
- Federal interdiction staff could help assess and monitor the effectiveness of decontamination at LMNRA while simultaneously protecting the second-most popular water body in the western United States.
- If Lake Powell is not protected from invasion, it could serve as another stepping stone for further invasions into the West.
- Glen Canyon's Aquatic Invasive Species Program is exemplary and, as such, should be encouraged as a model for other NPS parks and recreational areas.

Inspection/Decontamination at Navajo Reservoir

\$100,000 to New Mexico Game and Fish or the U.S. Fish & Wildlife Service to inspect and decontaminate boats at Navajo Reservoir on the Colorado/New Mexico border.

- This reservoir is upstream of Lake Powell, and, if allowed to become infested with quagga or zebra mussels, would jeopardize down-river reservoirs, including Lake Powell.
- Protecting this reservoir also protects Lake Powell, and subsequently prevents the second-most popular water body in the western United States from becoming a source for invasive mussels to spread further into the West.

Update: New Item

Watercraft Inspection/Decontamination

\$60,000 to Pacific States Marine Fisheries Commission to conduct Level II Watercraft Inspection and Decontamination Training with priority given to Lake Mead NRA concessionaires.

Increased Law Enforcement at LMNRA -- Update: Federal Agents were not funded because of a lack of authority

- State law enforcement officers, as an alternative, have been proposed, but there is a concern that such officers would not be able to focus their duties on AIS.
- Update – State Law Enforcement Programs were funded with a total of \$180,000
- AZ, NV, and UT were funded with \$40,000 each for law enforcement activities
- CA, OR, and WA were funded with \$20,000 each for law enforcement activities

This list comprises approximately **\$964,250 (Update – \$966,500)**. The amounts for each category may have to be adjusted, depending on actual costs and whether or not specific actions are funded or not. In case of a conflict, containment at LMNRA will take priority over prevention at other locations.

Attachment 2: Attendance list October CRB Team Meeting

| | | | |
|------------|-----------|---|-----------------------------------|
| Adams | BiJay | Liberty Lake Sewer & Water District | bijay@libertylake.org |
| Baldwin | Laurel | Whatcom Co Noxious Weed Control Board | lbaldwin@co.whatcom.wa.us |
| Bayer | Jennifer | US Geological Survey - Pacific NW Aquatic | jbayer@usgs.gov |
| Bebault | April | US National Park Service | april_bebault@nps.gov |
| Begley | Allison | Montana Fish, Wildlife & Parks | abegley@mt.gov |
| Bertram | Daniel | Lemhi County | weeds@lemhicountyidaho.org |
| Boatner | Rick | Oregon Department of Fish and Wildlife | rick.j.boatner@state.or.us |
| Britton | David | US Fish & Wildlife Service | CALL IN |
| Burch | Dave | Montana Department of Agriculture | dburch@mt.gov |
| Chan | Sam | Oregon State University - Sea Grant | samuel.chan@oregonstate.edu |
| Conlin | Janet | Cocolalla Lake Association | mooseandsquirrel@gmail.com |
| Dolphin | Glenn | Oregon State Marine Board | glenn.dolphin@state.or.us |
| Draheim | Robyn | US Fish & Wildlife Service | robyn_draheim@fws.gov |
| Dykstra | Tim | US Army Corps of Engineers | timothy.a.dykstra@usace.army.mil |
| Faler | Mike | US Fish & Wildlife Service | Michael_Faler@fws.gov |
| Ferriter | Amy | Idaho State Department of Agriculture | amy.ferriter@agri.idaho.gov |
| Guinn | Geri | Diamond Lake Improvement Association | gguinn@conceptcable.com |
| Hatch | Keith | Bureau of Indian Affairs, NW Region Overview | keith.hatch@bia.gov |
| Haubrich | Greg | Washington State Department of Agriculture | ghaubrich@agr.wa.gov |
| Hyde | Ken | US National Park Service | ken_hyde@nps.gov |
| Keeler | Carson | Grant Public Utility District | ckeeler@gcpud.org |
| Klym | Crystal | Central Kootenay Invasive Plant Committee | coordinator@kootenayweeds.com |
| Kieffer | BJ | Spokane Tribe | bjk@spokanetribe.com |
| Knudson | Tamara | Spokane Tribe | tamarak@spokanetribe.com |
| Lamb | David | Coeur d'Alene Tribe | dlamb@cdatribe-nsn.gov |
| Libbert | Lyle | Diamond Lake Improvement Association | |
| Mackey | Mike | Chelan County | mike.mackey@co.chelan.wa.us |
| Mader | Erin | Pend Oreille Basin Commission | lakescommission@gmail.com |
| Martinez | Madelyn | US Army Corps of Engineers | madelyn.t.martinez@usace.army.mil |
| McLane | Craig | Montana Department of Agriculture | cmclane@mt.gov |
| McLaughlin | Todd | Pend Oreille County | tmclaughlin@pendoreille.org |
| Merrill | Ken | Kalispel Tribe of Indians | kmerrill@knrd.org |
| Miller | Val | Ministry of Forests, Lands and Natural Resource Operations | val.miller@gov.bc.ca |
| Moffitt | Christine | US Geological Survey - Idaho Coop Fish & Wildlife Research Unit | cmoffitt@uidaho.edu |
| Osterman | Deane | Kalispel Natural Resources Division | dosterman@knrd.org |
| Parker | Blaine | Columbia River Inter-Tribal Fish Commission | parb@critfc.org |
| Parsons | Jenifer | Washington Department of Ecology | jenp461@ecy.wa.gov |
| Pavlik | Deanne | Spokane Tribe | deannep@spokanetribe.com |
| Phillips | Stephen | Pacific States Marine Fisheries Commission | sphillips@psmfc.org |
| Pleus | Allen | Washington Department of Fish & Wildlife | allen.pleus@dfw.wa.gov |
| Pratt | Christine | Seattle City Light | christine.pratt@seattle.gov |
| Revard | Rebecca | Diamond Lake Improvement Association | |
| Ruff | Jim | NW Power & Conservation Council | jruff@nwcouncil.org |
| Schultz | Jesse | Washington Department of Fish & Wildlife | jesse.schultz@dfw.wa.gov |
| Selby | John | Cygnat Enterprises NW Inc | jselby@cygnatenterprises.com |
| Smith | Gretchen | US Army Corps of Engineers | gretchen.v.smith@usace.army.mil |
| Sutlick | Albert | US Army Corps of Engineers | albert.f.sutlick@usace.army.mil |
| Tully | Bob | Diamond Lake Improvement Association | |
| Tully | Pam | Diamond Lake Improvement Association | |
| Vargas | Karen | Nevada Department of Wildlife | CALL IN |
| Ward | Teagan | City of Bellingham Public Works Dept | teward@cob.org |
| Wells | Steve | Portland State University | sww@pdx.edu |
| Wimpy | Tom | Inland Water Pest Control & Consulting | tom@iwpc.com |
| Woodruff | Patricia | BC Ministry of Environment | patricia.woodruff@gov.bc.ca |
| Woolf | Thomas | Idaho State Department of Agriculture | thomas.woolf@agri.idaho.gov |