

**Missouri River Basin 100<sup>th</sup> Meridian Team Meeting Minutes**  
**Marriott Springhill Suites**  
**Council Bluffs, Iowa**  
**March 18-19, 2008**

**March 18, 2008**

**Introductions:**

*Many thanks to Kim Bogenschutz for hosting this year's Missouri Basin 100<sup>th</sup> Meridian Team meeting in Council Bluffs, Iowa*

**Attending:**

Steve Schainost - Nebraska Game and Parks Commission  
Andy Burgess – South Dakota Department of Game, Fish and Parks  
Eileen Ryce – Montana Department of Fish, Wildlife & Parks  
Kim Bogenschutz – Iowa Department of Natural Resources  
Jason Goeckler – Kansas Department of Wildlife and Parks  
Tim Banek – Missouri Department of Conservation  
Jason Euchner - Iowa Department of Natural Resources  
Tina Proctor - U.S. Fish and Wildlife Service, Denver  
Linda Beck – U.S. Fish and Wildlife Service, Montana  
Rob Klumb – U.S. Fish and Wildlife Service, South Dakota  
Duane Chapman – U.S. Geological Survey  
David Britton – U.S. Fish and Wildlife Service, Arlington, TX  
Paul Lepisto – Izaak Walton League, South Dakota  
Bill Zook – Pacific States Marine Fisheries Commission

**Reconciliation of 2007 Action Items:**

- Andy, Jason, and Eileen will draft baitfish recommendations and send them out to the Team for review by the end of May – *Still a work in progress and will be done before the next meeting*
- Eileen will process samples for ND, SD and NE again this year w/o charge – *Montana did process veliger samples for several MRB states and plans are in the works to use new funding provided by*

***PSMFC and USFWS to establish veliger lab in Montana to process all MRB samples***

- Team will provide rapid response recommendations/suggestions to Bill by October after reviewing the Columbia Basin Rapid Response Plan – ***Not completed for lack of time. Still a priority w/ Team but will require dedicated effort and some outside help to accomplish at current staffing levels in the Basin***
- Kim and Eileen will draft a letter for the ANSTF to the Department of Defense regarding the need to eradicate and/or contain zm's in Offutt Lake – ***Done, but response from DOD not clear as to impact***
- The Team will provide comments to Jason on the baitfish survey by April 27 - ***Completed***
- Brian will contact the Coast Guard Auxiliary in Missouri regarding ANS inspections and training – ***Uncertain outcome as Brian has been reassigned. Tim will check with Brian and follow-up as necessary***
- Jason will provide copies of his Lake El Dorado slides to the Team - ***Completed***
- Brian will send Team members copies of USACE regional construction permit conditions relating to equipment cleaning and use – ***Uncertain outcome as Brian has been reassigned. Tim will talk to Brian and follow-up as necessary***
- Brian will contact SAH about labeling recreational equipment before proceeding independently with local manufactures – ***See above***
- Eileen and Andy will contact Lynn about interstate fish movement – ***Discussion, but not concrete resolution***
- Andy and Jason will provide Newsletter articles to Bill by the end of April - ***Completed***
- Eileen to send copy of Montana's bait regulations to Brian by the end of April - ***Completed***
- Andy will do Veliger sampling on Lake Francis Case in 2007 – ***Completed, but samples still being processed***
- Jason will send his notes on meeting minutes to Bill by the end of April - ***Completed***
- Jason will resend veliger sampling protocol to the Team by the end of May - ***Completed***
- Bill will follow-up with Tina about funding expenditures from last year and this year - ***Completed***

- Bill will work toward increasing attendance for next years meeting - ***Completed***
- Bill to send draft Missouri Basin River Watch newsletter to the Team for review by mid-May and publish the letter by the end of May - ***Completed***
- Bill will contact Stephen and Tina to encourage funding for Missouri Basin veliger lab in Montana - ***Completed***
- Steve will include new datasheet with all Veliger samples sent to Eileen for processing - ***Completed***
- Steve to work to make sure that uniformed military officers attend Offutt meetings and will keep the Team updated on the situation at Offutt Lake - ***Completed***
- Wen to send Grab and Go watercraft Decontamination kits to Eileen and Brian - ***Completed***
- Kim will help provide some other Team members with ANS outreach/educational materials when possible and as requested – ***On-going offer***

## **Individual Agency Updates:**

### **Iowa: Kim Bogenschutz and Jason Euchner**

Iowa has completed over 7,900 watercraft inspections and boater surveys and the results will be made available to the 100<sup>th</sup> Meridian database. From the surveys they found that 68% of those interviewed now know about ANS. They handed out trailer stickers to those surveyed/inspected so the department knows that they had already been contacted. They plan to send out mailings to all registered boaters (+140,000 boats) this year. They are working with the US Postal Service on marketing tools to convince boaters to clean, drain and dry their boats and equipment to prevent the spread of ANS. April is tentative timeline for a new advertising campaign.

Jason put together a list of all marinas in the state so they can target outreach to boaters through marina operators. Kim has been working with Wildlife Forever to produce seven billboards and the program will probably expand out to other states. DNR will fund the billboards. DNR is getting a jetboat, microscope, and camera for looking for veligers, plus gear for field staff. DNR is having “issues” with LE. They feel that the law (no possession) is “unenforceable” and they have never issued a ticket. LE feels there has to

be “intent” before the law is broken. This seems to be a common problem in other states for ANS laws.

A discussion regarding the need for a 100<sup>th</sup> Meridian Law Conference to share ANS law enforcement information and coordinate enforcement policies followed.

**South Dakota: Andy Burgess**

South Dakota is putting together a State ANS Management Plan. They are working on a “fast tract” and are hoping have the draft risk assessment completed by May and the 1<sup>st</sup> draft of the plan available for review in July, including a final version of the risk assessment. They have been conducting outreach to the tribes to encourage a meeting to get some input from them on the plan.

A state ANS website is now up and Andy encouraged the group to access it and offer any improvement suggestions. An agency subcommittee on outreach and education has contracted with the State Department of Education and three teachers to develop five invasive species lesson plans for different grade levels. They will make those lesson plans available to other states, if interested.

The Department conducted HACCP training for its employees and many were interested in ANS identification and issues. The idea was posed to produce an ANS field guide similar to those produced by MN and ME. These would be useful for training and to give field personnel. SD needs a full-time ANS coordinator and may have to farm this out to a local non-profit because the state cannot create a new position. They are considering contracting for much of the AIS outreach and education work with the South Dakota Discovery Center.

**Montana: Eileen Ryce**

The Montana Legislature meets every-other-year and the next legislative session comes up in January 2009. Eileen is working on several new legislative proposals for that session. She recently met with the Governor and key legislators and there is interest in new invasive species legislation in both branches. There may be up to three legislative efforts. The governor is supporting a proposal to establish one invasive species branch that will take-

on and coordinate all invasive species issues now split between the departments of Agriculture and Fish, Wildlife & Parks. The governor's office is also supporting an expanded invasive species program that could include establishment of some border check stations and other big-ticket items. This would mean that state General Funds may be used for the first time to support Montana Fish, Wildlife & Parks projects. Fishing regulations pamphlets are also published every-other-year and the new pamphlet will include a full page in color (back page) section on ANS.

Montana will continue boater surveys and angler surveys on a reduced level due to reduction in funding for field staff this year. Monitoring will be a primary focus. MT has seen 525 illegal fish movements within the state. One officer will be devoted to each region to work on illegal fish introductions. Every single commercial fish hatchery had a violation last year—anywhere from 30-70% of fish sales were illegal. Efforts will be made this year to get that program back on track.

Eileen will work with a group of 15-18 year-olds in a program of community service to support ANS outreach in the state.

### **Kansas: Jason Goeckler**

Kansas has developed laminated “Stop the Zebra Mussel” counter signs and sent them all license dealers in the state. They have also distributed Zap the Zebra brochures and handed out more than 65,000 zebra mussel watch cards over the past two years. KDWP has also signed all access sites in the state and routinely place windshield flyers at access areas on infested lakes. Four pages of their new fishing pamphlet are devoted to ANS and stop aquatic hitchhiker information. They also have used the back side (facing the water) of existing 4’x8’ boating safety panels (signs) with water to give boaters clean, dry and drain information. They are also using new color signs from the Kansas City District of the USACE at Corps access areas. In addition, the Kansas ANS website has info for all major species and includes links to submit information, and they have established an ANS “Hotline” to report sightings.

Jason conducted a baitfish survey to see how anglers use bait. 5,000 licensed anglers were surveyed and they received a 21% response rate. The survey showed that about 40% of Kansas anglers that use live bait have collect their own bait and 70% purchase it from a retail outlet. Most Kansas

anglers can not accurately identify the bait species they use. The survey reported that most anglers use “minnows” and the second most was “unknown”, followed by “shad.” About 69% of anglers using bait reported that they release unused live bait at the end of the day.

Kansas now has a VHS task force.

### **Nebraska: Steve Schainost**

Nebraska received a report that rusty crayfish and an unidentified pond weed were found in a city park pond in Omaha. Follow-up investigation found yellow floating heart, water hyacinth, and water lettuce, but no rusty crayfish. Plants were probably introduced from an aquarium or water garden. There are no boats on this lake.

In first week in February there was an invasive species conference in Lincoln. The focus was on all invasive species in involved a number of state agencies. Three of four breakout sessions recommended a state invasive species council be established, a state plan be written and a full-time professional manager position be established to run the council.

### **Missouri: Tim Banek**

The Missouri ANS Coordinator position was vacant for several months. Tim has recently been assigned as the new ANS Coordinator for the Missouri Department of Conservation. He replaces Brian Canaday.

The Department of Conservation’s display and booth had an invasive species theme at the state fair this year including presentations, displays and outreach material. MDC has formed five zebra mussel focus groups throughout the state to get input about what their boaters/anglers know about ANS as a means to target future education and outreach efforts to these user groups. There was an ANS article in the MO Conservation magazine.

Three new confirmed sightings of zebra mussels in the state: Bull Shoals, Taney Como Reservoir, and the Osage River downstream of the Lake of the Ozarks. MDC is stepping up monitoring efforts for adults. There will be no veliger sampling. Missouri’s zebra mussel policy is outdated, so Tim recommended that it be re-written for more general ANS prevention. HACCP will be implemented. He is attempting to get the Invasive Species

Oversight Committee more involved in HACCP. The Missouri Asian Carp control group will try to implement the National Asian Carp Control Plan in Missouri by attempting to encourage fisherman to help remove Asian carp from the Missouri River.

MDC is also developing displays for zebra mussels and traveling trunks on ANS. Education consultants work with schools. An invasive species workshop was held in January for MDC staff—mostly focused on plants. Missouri has developed a new tri-fold brochure on zebra mussels. The public complained that it has too much info. So, they are updating it. The old ones will be distributed with regatta permits.

**North Dakota:** (Lynn was not present) the following is a written update he provided and a summary was presented by Bill Zook on his behalf:

I will be giving an ANS presentation at the North Dakota Game and Fish Department's joint Wildlife and Fisheries Division meeting in March will not be attending the 100<sup>th</sup> Meridian meeting.

The following is being provided to update the group on ND ANS activities:

ANS regulations – NDGF is proposing ANS regulations, the regulations' final process is to be reviewed by ND Legislative Review Council to determine if they are 1) within the scope of the law and 2) meet the needs of founding legislation; it is hoped that the review will be done in time for the 1<sup>st</sup> of April fishing season

ANS monitoring – ND continues to monitor waters for infestations, established and looking for new sites; reports are provided on Dept's website

Updating Dept website – Dept is planning to update the website; the site should be providing link to - what is ANS, where ANS comes from, how ANS impacts recreational fishing with table on change in trophic energy flows, what are ND ANS regs/prohibited species, info on ANS species, location of ND ANS infestations, and how to prevent ANS

Controlling ANS infestations – Eurasian watermilfoil (EWM) in the Sheyenne River near Valley City was treated with 2-4,D this fall, it

appears that it has affected most plants; evaluation will be done this spring and fall – EWM in Dead Colt Creek was controlled with 2-4,D treatment last fall, no live EWM plants were found - a small patch of EWM was in upper reaches of Dead Colt Creek Reservoir, the local water board was again contacted and agreement to lower the reservoir's water level approximately 12 ft this fall, allowing exposed plants to freeze out; this is the third year of this control effort by dewatering

TV spots – Dept is going to fund nine 30-second TV spots on Midwest Outdoors on its Fargo, Aberdeen, and North Fox cable network; show will be ANS prevention and ND's new laws; working to have the 30-second spots a weekly feature on a wider market in 09, this will need participation and funding with other states, more to be provided at a later date

Mass media – provided newspapers, TV, radio, and periodicals with information on ANS and its prevention

Aquatic Invasive Species Committee – ND Statewide Plan's advisory committee, provide them routine information on ANS projects and requested their input on issues

Inter action/other ANS Coordinators – contacts made and information provide to others as requested or needed

Comment on ANS issues for Department – visits with FWS or BOR about ANS movement into or within ND

Fishing Tournaments – ANS prevention presentation at major fishing tournament, and request to tournament anglers to provide ANS info in seminars that they do in the non fishing season

Update information – review ANS sites, internal and external, and continue to update as needed

Paperwork – maintain necessary files and complete paperwork as needed; update forms as needed

Work plans for 09 are to continue the above and/or modify those plans as needed.

## **Funding Issues - Tina**

Focus on prevention for FWS region 6. Tina has money for boater surveys in Wyoming. She is also funding Yellowstone/Grand Teton surveys. Research between zebra mussels and cyanobacteria in KS will be funded. This was originally a WRP proposal but is also well-suited for 100<sup>th</sup> Meridian. Zebra mussel response planning for tribal areas in Utah will be funded. This also includes education. There is some funding for HACCP implementation at Gavin's Point and other hatcheries. Administrative costs are always present. Linda's travel is also covered (as she is the assistant ANS coordinator). Tina has some money left over for Colorado projects and some for the Missouri River Basin. She also helps fund watercraft inspection training to help keep it free for participants. Funding priorities were addressed and key focus areas were the zebra mussel veliger identification lab in MT, outreach materials and rapid response.

## **Iowa Zebra Mussel Update – Kim**

- Clear Lake, Lake Delhi, and [possibly Lake Rathbun all have zebra mussels
- Have been in Mississippi River since 1992. Found in Clear Lake in '05, Lake Delhi in '06, and on a boat in Lake Rathbun in '07.
- **Clear Lake** – a very popular recreational lake
  - In 2006, five of ten sites sampled had zebra mussels
    - 1 adult, 12 juveniles found
    - 5% of hard structures had ZMs
  - In 2007, all ten sites sampled had zebra mussels,
    - 210 adults, thousands of juveniles
    - > 90% of hard structures had zebra mussels
- **Lake Delhi**
  - Found hundreds of veligers per liter in July & August 2007
- **Lake Rathbun**
  - Boat came from Mississippi River and had been in Lake Rathbun for months before mussels were spotted.
  - Fish hatchery is on this lake
    - Already delivered fish with lake water
  - Lake is also used for drinking water

- This lake is on a tributary (Chariton River) to the Missouri River

### **Kansas Zebra Mussel Update – Jason**

- **El Dorado 2003**
  - Zebra Mussels have experienced a significant set-back following two successive six-foot drawdowns. The population is now rebuilding
- **Winfield City Lake 2006**
  - Found by public in Dec '06 in an isolated area
  - Veligers up to 14 veligers/Liter in 2007
- **Cheney Reservoir (2004) 2007**
  - First found on Portland Samplers lake-wide
  - Then found on rocks
- **Perry Lake 2007**
  - Public found and reported on web site
  - Found 3 individuals in Marina Cove
  - Found 5 veligers around the lake
  - Larger adults found later in Marina Cove
- **Containment Research**
  - Veligers found in live wells mirrored densities in the Lake over time.
  - Most ( $\geq 90\%$ ) boaters would drained their boats (Jet Skis, Angling Boats, Speed Boats), except Pleasure Boaters (69%)

### **Nebraska Zebra Mussel Update – Steve**

- Offutt AFB discovered Zebra Mussels in April 2006
- Lake is an excavated sand pit (used to build the runways) about 30 feet deep
- Base Lake is private – not open to the public.
- Current efforts are for containment.
- Suggestion to install a power wash but this has not been done.
- Have spoken with Virginia regarding Millbrook Quarry eradication
- Treatment Options (others were considered but eliminated)
  - Potash – need a lot of it 640 tons, cost is \$500 a ton
  - Copper Sulfate – may need a double treatment

- 32,000 lbs needed @ \$1.98 per pound (1 ppm for whole lake)
- Much cheaper
- Copper sulfate was selected as eradication agent
- DOD will pay all of the costs
- Target date is May 1 2008, possible re-treatment in fall

**March 19, 2008 (Day Two)**

**100<sup>th</sup> Meridian Website/Database Update – Dave**

- The goal of the website and database is universal electronic access
- Both the website and some connected databases are in need of substantial up-dating
- New server allows many improvements that were not possible before
- Time and money are the major constraints. Using grad students at UTA, but need someone full-time for several months to make up-grades
- Boater Survey Data – Since 1998 – over 13,000 records for every western state except Arizona, Utah, Arkansas and Hawaii – some information from states east of the 100<sup>th</sup> Meridian also

**Montana Veliger Lab Update - Eileen**

- Received funds from PSMFC last year to get the Veliger Lab running
- Main goals is to provide presence/absence information
- Staff person should start work next week
- Goal is to process back-log of samples within a year
- Should be able to turn-around results in a month after that
- Dakotas, Nebraska, and Montana are the main clients
- Considering capping the number of samples per state
- Samples must be preserved in ETOH (alcohol) – NO formalin

- Bill suggested that Eileen put together a one-page information sheet that tells what Montana expects in terms of samples and turn-around to help those who might submit samples for processing
- Montana would like a heads-up regarding who might be sending samples
- Kansas, Iowa, South Dakota, and Nebraska all indicated interest
- PSMFC may not have continued funding for next year
- This is a high need, so other funding may be necessary

### **Gavin's Point Dam and Fort Randall Dam – Robert Klumb**

- USFWS reports that below Gavin's Point Dam and Fort Randall Dam sampling has continued and reports are still negative for zebra/quagga mussels, despite earlier reports (2004) of veligers at those locations

### **VHS Update and Coordination – Group Discussion**

- The Mississippi River Basin Regional Panel and the Western Regional Panel both recommended that the ANS Task Force should recognize VHS as an ANS.
- South Dakota is doing some monitoring around the state
  - SDSU has a lab and is taking in samples from around SD and MN
  - South Dakota is very concerned about this problem
- Montana is annually monitoring state and commercial hatcheries as well as federal hatcheries
  - All are clean so far
  - Everything imported is also inspected
  - Warm-water species imports have been stopped
  - Still looking for a clean source of Muskies
  - Surveyed anglers about live-bait use
  - May work on live-bait laws in the future
  - Montana may entirely prohibit importation of leeches
    - Idaho did this last year
  - Montana may ban the transport of water in vessels without a license
    - Consequently bans the transport of minnows

- MT is looking into frozen smelt from the Great Lakes, this is still a potential vector
- Missouri had a fish disease workshop earlier this year
  - Is working toward implementing HACCP planning for state staff and equipment
  - MO is not prohibiting live bait – no political support
  - There are so many live bait dealers that prohibiting live bait is probably not an option
- Iowa is not doing anything at the moment
  - IA does not consider VHS to be an ANS
  - The IA stance is that they will live with the problem
- Kansas is monitoring all of the state hatcheries twice a year
  - The focus is on making sure that the state is not a vector
  - May restrict moving bait between waters
  - May try to control fish coming into the state

**Asian Carp Update and Coordination** – Robert Klumb and Duane Chapman

**Rob:**

- Update on National Asian Carp Management and Control Plan
  - Finalized Nov 2007
  - 48 strategies, >140 recommendations
  - Unresolved issues
    - Use of triploid black carp on aquaculture facilities
    - Live transport of farm-raised bighead and grass carp
    - Triploid grass carp for aquaculture facilities where they already have self-sustaining wild populations
  - Priority Implementation Actions
    - Establish and ANSTF implementation Team
  - Short-term needs
    - Identify funding
    - Implement priority recommendation
    - Others
    -
- Relative abundance of shallow water fishes below Gavin's Point and Fort Randall Dams

- Fort Randall Dam holds back Lake Francis Case
  - Discharges are fairly consistent in summer
  - Carp below the dam but not above it
  - One dam has variable out flow, the other has static outflow levels
  - Comparisons were made between the two different flow regimes
  - Report is available

**Duane:**

- Duane's work is focused on:
  - Aging techniques
  - Genetic evaluation, to determine population mixing and structure, and eventually "effective population size"
  - Location of spawning areas (through larval collections)
  - Market development for Asian carp, including nutritional and contaminants information (for animal and human diets)
  - Diet and stable isotope studies to determine trophic interactions
  - Finishing up and publishing results of telemetry studies on habitat and movement
  - Education for recreational anglers (with INHS and IISG)
  - Zooplankton effects
  - Development of carp cakes for zoos (with MU and STL Zoo)
- Others in the region are working on:
  - Fishing Techniques (USFWS)
  - Predator enhancement in carp nursery area (USFWS)
  - Working with the Prison system on development of carp patties to feed prisoners (IL)
- Illinois has established a bounty program for a 1-year trial, providing 2 million dollars to be used as price supports to get the program running while anglers hone their skills

**National 100<sup>th</sup> Meridian Initiative Meeting Recap – Tina and David**

- We had record turn-out

- Quagga mussels in Lower Colorado River was a major focus
- Breakout Sessions: What we want to do over the next year.
  - Rapid Response
    - Improve Access to Emergency Funding
    - Form or use multi-agency coordination group
    - Have WRP endorse ICS as preferred operational response mechanism
    - Training in ICS for River Basin Teams (coordinate with Columbia River Basin Team who has already done this)
    - Agree on protocols for reporting new sightings
  - Control
    - Get Buy-in by all agencies on who should be the lead
    - Develop database of all limiting factors
    - Notify water users that there is a future problem coming
  - Education
    - Standards for cleaning boats
    - Standards for cleaning gear
    - Each River Basin Team needs a list of participants
    - Include manufactures about including ANS info
    - Sustained funding opportunities from states and industry
  - Prevention
    - Develop a standard protocols for monitoring
    - Prioritize risk assessment for monitoring locations
    - Link more sites to 100<sup>th</sup> Meridian Initiative
    - Standardize methods for contacting public
    - Consult with human dimension specialist
      - Jason Goeckler is certified in this by WAFWA

### **Watercraft Decontamination and Inspection Training – Bill**

- Twenty-five Watercraft Inspection and Decontamination Trainings were done in nine different western states in the past year. Over 1,200 people have taken the five-hour training representing 68 different agencies, organizations and user groups.
- The training program is now entering the second phase where it will be split into two levels. Level One replaces the previous WIT program, and utilizing the new education and training videos, reduces the training to 2.5 hours and one trainer. That change makes the

training less expensive and allows it to be given in conjunction with other training or meetings. The new Level Two training is being offered as a two-day intensive workshop held at Lake Mead.

- Successful graduates of these programs will be certified as follows:
  - Level 1 Training: for people going to working on this on an as-available basis conducting boat and equipment inspections
  - Level 2 Training graduates will be able to train more level 1 trainers and serve as first responders to mussel reports.

### **Team Planning – Group Discussion**

#### **Budget:**

- Suggested priorities for FWS 100<sup>th</sup> MI funding
  - Outreach materials
    - Stop Aquatic Hitchhikers brochures (general ANS)
    - Zap the Zebra brochures (specific for Dreissenids)
  - Angler/Boater Surveys
  - Missouri Rapid Response
  - Montana Veliger Lab
    - Needs funding for disposable supplies and tech time
  - Group recommendation was to use the available USFWS funding for the Missouri Basin as follows: Montana veliger lab (up to 10,000 FY-09 operation) and a smaller amount (up to \$8,000) for outreach materials, including ANS cards, SAH brochures, and Zap-the-Zebra brochures for the MRB states

#### **Newsletter:**

- In Columbia River Basin there are many user groups and the newsletter is a good tool to keep everyone up to date
- May not be as necessary here in the Missouri RB.
- We have done it every year (three so far)
- It was decided **not** to publish a newsletter this year

#### **General Discussion:**

Should we take dots off the USGS Dreissenid distribution map if later sampling fails to find subsequent infestation? For consistency we should leave the dots, but the final decision should be up to the state ANS coordinators. Perhaps we could use a different colored dot for these locations?

**After-Hours Activities:**

The Team viewed and discussed the new two-part education/training video *Don't Move a Mussel* during lunch on Day 1

The group took a tour of Offutt Base Lake arranged for and guided by Steve Schainost

The 4<sup>th</sup> Annual ANS Bowling Open: This year's winners

The North Team for the first time ever in a squeaker  
Bill Zook took individual honors for the third straight year despite having a killer cold!

**Next meeting:**

Helena, Montana sometime within the last two weeks in March

**Action Items:**

1. Kim will continue to promote the idea of a 100<sup>th</sup> Meridian Law Enforcement Conference with the WRP
2. Andy will provide information on cooperative effort with the State Department of Education to develop 5 invasive species lesson plans for public schools in South Dakota
3. Eileen will develop a brief handout with instructions for MRB states that will be utilizing the services of the new veliger lab detailing how the samples are to be collected, preserved, shipped, etc.

4. Jason G. will make a copy of the baitfish survey report available to all Team members when it has been completed
5. Steve will continue to keep the Team apprised of progress completing the zebra mussel eradication program proposed for Offutt Base Lake
6. Tim will check with Brian Canaday as to the status of action items for last year and follow-up where needed
7. Lynn will attend next year's meeting if possible
8. Tina will consider the Teams recommendations in determining the allocation of uncommitted federal funding from her program for the Missouri Basin
9. Dave will add Iowa boater survey data to the 100<sup>th</sup> Meridian database so it will be available to all users
10. Dave will add new photos and video to the image and video library section of the 100<sup>th</sup> Meridian website
11. Kim, Tina and Eileen will continue work with the ANS Task Force, WRP and Mississippi Panel on the issue of VHS in the region
12. Bill will let everyone know where to order magnifiers and mirrors used for watercraft inspection
13. Dave will e-mail a sample of the new plastic ID cards for the Team to see
14. Dave will get template outreach material to Tim and rest of the Team
15. Tim will provide Billboard templates to the Team for informational purposes
16. Kim, Eileen, Jason and Andy will prepare a list of best management practices for baitfish transfer and sale for the Team to review by next meeting

***Minutes prepared by: David Briton and Bill Zook - 5/15/08***

***Final Agenda***

**Missouri River Basin ANS Work Group  
March 18-19, 2008  
Marriott Springhill Suites  
Council Bluffs, Iowa**

**Day 1 – March 18**

- 8:30 – 8:45**      ***Introductions ..... All***
- 8:45 – 9:00**      ***Approval of Minutes and Agenda ..... Group***
- 9:00 – 9:15**      ***Reconciliation of 2007 Meeting “To-Do List ..... Group***
- 9:15 – 10:15**      ***Agency Updates ..... Group***
- 10:15 – 10:30**      ***Breaks***
- 10:30 – 11:30**      ***Continue Agency Updates ..... Group***
- 11:30 – Noon**      ***Project Funding Opportunities and Forecast .... Tina***
- Noon – 1:15***      ***Lunch – Catered - Premiere of New Education  
And Training Video “Don’t Move a Mussel”.... Bill***
- 1:15 – 1:30**      ***Iowa Zebra Mussel Update ..... Kim***
- 1:30 – 1:45**      ***Kansas Zebra Mussel Update ..... Jason***
- 1:45 – 2:00**      ***Offutt Lake Zebra Mussel Action Update..... Steve***
- 2:00 – 5:00**      ***Field Trip – Offutt Base Lake ..... Steve***
- 7:00 – 9:00**      ***4<sup>th</sup> Annual Missouri Basin ANS Open (bowl-a-rama)***

**Day 2 – March 19**

- 8:30 – 9:00**      **100<sup>th</sup> Meridian Website/Database Update ..... David Britton**
- 9:00 – 9:20**      **Veliger Sampling Lab and Protocol ..... Eileen**
- 9:20 – 9:40**      **VHS Update and Coordination ..... Group**
- 9:40 – 10:45**      **Asian Carp Update ..... Rob Klumb  
Duane Chapman**
- 10:45 – 11:00**      **Break**
- 11:00 – 11:30**      **National 100<sup>th</sup> Meridian Mtg. Recap .....Tina**
- 11:30 – Noon**      **Team Planning ..... Group**
- Newsletter, Training Programs, “To Do” List  
Next Meeting**
- Noon**              **Adjourn**

