

Basin Environmental Improvement Project Commission
Draft Meeting Agenda

May 23, 2018, 9:30 AM – 4:00 PM
Coeur d'Alene Inn, 506 Appleway Ave., Coeur d'Alene, Idaho

- 9:30 AM Call to Order and Pledge of Allegiance
- 9:35 AM Accept Minutes from the February 14, 2018 Meeting as submitted. Approve Minutes from March 15, 2018 Conference Call Meeting (**Action Item**)
- 9:45 AM Discussion of IDEQ's recommendation for the Executive Director to consult with the BEIPC Chair for the ED to represent the BEIPC on special tasks outside normal CDA Basin issues and EPA's recommendation to hold CCC meetings same day as BEIPC meetings – Terry Harwood, Jerry Boyd, CCC Chair (**Action Item**)
- 10:10 AM Report on CCC issues and the April CCC Meeting – Jerry Boyd, CCC Chair
- 10:25 AM Lake Management Plan Implementation Update – Jamie Brunner, IDEQ, Laura Laumatia, CDA Tribe
- 10:45 AM Update on BEIPC Web Page remodel – Sandy Treccani, WA, DOE
- 11:00 AM Break
- 11:15 AM Update on Flood Group MOA w/BEIPC – Terry Harwood
- 11:35 AM Outreach Activities during the last quarter – Terry Harwood, IDEQ, PHD and EPA CICs
- 12:00 Noon Lunch
- 1:15 PM CDA Fish Tissue Project Presentation – Morgan Willming, IDHW
- 1:55 PM Update on requests and concerns since the last BEIPC meeting and from the CCC and Public – Terry Harwood
- 2:10 PM Update on Box and Basin Budgets and 2018 Project Work – EPA
- 3:00 PM Break
- 3:15 PM Coeur d'Alene Basin Restoration Partnership and Restoration Plan – Natural Resource Trustees
- 3:45 PM Public Questions, Comments, Discussion, and new topics of concern – Commissioners
- 4:00 PM Adjourn

Basin Environmental Improvement Project Commission
Draft - Quarterly Meeting Summary Minutes
February 14, 2018, 10:00am – 3:30pm
Panhandle Health District Conference Room, 35 Wildcat Way, Kellogg, Idaho

These minutes are summary notes of the reports and presentations and are intended to capture key topics and issues, conclusions, and next steps and not every detail of discussions or individual quotes.

Attendees included the following:

Commissioners and Alternates present:

Marc Eberlein (Kootenai Co.), Mike Fitzgerald (Shoshone Co.), Rob Hanson (IDEQ alternate), and John Tippetts (IDEQ).

Staff present:

Glory Carlile (BEIPC Assistant to E.D., note taker), and Dan McCracken (IDEQ)

Meeting started at 10:15

Earlier in the morning, due to the stormy bad weather and road conditions, the meeting was at first considered cancelled. However, since it was impossible to communicate the late notice to the public, presentations, discussion, input, and information sharing of most of the topics on the BEIPC meeting agenda were held with approximately 30 attendees that showed up. Terry Harwood, BEIPC Executive Director, facilitated the face to face meeting in a non-formal meeting style. He noted that decisions could not be made without a quorum of the BEIPC Commissioners present. Motions and voting would be tabled for a later scheduled time.

Listing of Input, Questions, Concerns and Discussions from the last three CCC and BEIPC Meetings

Harwood reviewed the list included in the meeting packet and went over the outcome and/or answers to the questions and issues from previous CCC and BEIPC meetings. He reported the following:

- A new BEIPC website is going to be created with more interaction and the ability for the office to access in order to update and post documents and reports. A survey has been distributed for input on the use and suggestions for a better web site. Feedback will help us redesign the website to make sure it is a valuable resource for the community for useful and easier to find information.
- At BEIPC meetings we will be reporting back to the public in general with feedback to issues and how they were dealt with.
- We have implemented the recommendation to have county representation on staff calls. Jamie Sturgis has been named one of the Kootenai County TLG representatives and Harwood shared that Jack Buell said that as long as Harwood is Executive Director that he considers Harwood as the rep for Benewah County. We are still looking for a Shoshone County TLG representative.

Harwood answered the question that frequently comes up about why can't we dredge CDA Lake or dredge out Mica Bay and haul the contaminated waste to put in the East Mission Flats Repository

(EMF) by stating that there are not Superfund actions on the CDA Lake included in the ROD for the Basin and therefore no material from the Lake can be disposed of in EMF.

Concerning requiring water rights on the projects; some you have to have permits and some of them you don't. Bill Rust added that CERCLA also says that whoever is doing the projects must comply with all the substantive requirements of other environmental and project statutes.

Harwood pointed out the following:

- The work plan implementation and process is the same each year. At the beginning of the year we share plan of what we are going to do and then at the end of the year we report of what has been done in the annual accomplishments report.
- CDA Lake water quality with trends that people are concerned about are managed with the Lake Management Plan (LMP) and implementation that is reported on at Basin Commission meetings.
- Restoration Partnership – 2 parts to CERCLA 1) remedy cleanup and 2) restore natural resources.
- Update on the Central Treatment Plant (CTP) work is reported in ongoing status reports and also shared in articles in the press.
- He reviewed a summary of how the Trust works noting that they are under the auspices and direction of the EPA.
- The request for feedback and input is an example of what we are doing at this meeting and we will continue the process.

In further discussion it was agreed that reports on the estimated cost and actual expenditures for projects has merit and should be put in place. Rob Hanson commented that a good suggestion would be to report on the goal and how it was met. Rene Gilbert added to include lessons learned.

Harwood reported on what he has been working on or projects he is involved in.

Analysis of the 50 year rain on snow event vs FEMA 100 year flood hydrology was completed.

Remedy Protection projects at Rosebud Creek in Osburn and projects in Mullan.

Presentation of Request from Upper Basin Jurisdictions for Assistance from the BEIPC to Address Flood Issues in the Upper CDA River and Pine Creek.

Terry Harwood led the discussion regarding the local jurisdiction's request for the BEIPC assistance on flooding issues. The local flood group plans to come up with what should be done and work together on how to approach the flood issue.

Harwood said that the local flood group petitioned us to have another BEIPC meeting very soon after the topic was tabled from the December 6, 2017 meeting to consider their request. They are missing grant opportunities with FEMA and do not have a one voice and contact agency to deal with FEMA.

Mike Fitzgerald (Shoshone County) clarified that the county is on board with the flood issue to move it forward for action. To do so requires an agreement for a partnership to strengthen the status and also to

combine it with the remedy protection movement seems a logical pattern. He added that there was a misnomer in the use of the word “District” in their request letter for assistance from the BEIPC and they want to emphasize asking for help and having a partnership as a community not a flood control district.

Fitzgerald noted that in the Annual Report in the Executive Summary: “The BEIPC also participates in guiding and coordinating infrastructure in the upgrades and improvements to protect the environmental cleanup remedy and enhance living conditions in the communities of the Basin.” He considers that his statement includes multi agency addressing potential flooding.

Bill Rust commented that in the proposal plan back in 2010 that there was a proposed plan to remediate the bed and banks of the CDA River but that work has not been done yet. The EPA laid out a plan to dig up various channels and to construct stable channel morphology but had some problems with the technical side of how to do this. There was also no consideration about flooding in doing this work. He noted that Executive Order 11198 by Bill Clinton (regarding floodplain management) states that if any federal agency is involved in a project it must design it to meet the 100 year flood requirements. Rust said so then it appears that EPA had plans to address this issue, but EPA says that they cannot do it legally. It seems that EPA needs to figure out how they can do what they said they will do or share with locals what they can or cannot do. He feels that EPA has a responsibility to take a long hard look at the ROD and provide the information and explanation. His opinion is that he does not see how locals can do the flood control.

Fitzgerald added that the local flood group is seeking to get help as a flood control group and create partnerships. They are trying to be very broad in their approach.

Harwood explained that EPA believed that at one time that they could perhaps dredge out the river but he commented that then they may do more harm than good and they are not in the levee business. In the Remedy Protection Program side drainage flood control projects are included in the remedy program. The storm water runoff analysis brought this up and ways to address it. He commented that the community needs to make a commitment to get some things done and he is positive that there can be influence on this project.

Bill Rust then suggested that EPA should start the engineering on their projects and come up with a detailed plan of what they intend to do, how they would implement it or if they cannot do it. They should talk with the locals to share information and get input. Harwood noted that they have other projects already lined up and it would be years before they look at this issue of addressing flooding.

Outreach Activities during the last quarter

Valerie Wade (PHD) reported that there are 4 community outreach coordinators that work on community outreach and communication. EPA publishes a newsletter called the Basin Bulletin 3 times a year and keeps in contact with the newspapers with articles and placing ads and they distribute flyers. They also have a new website and host a Facebook page.

They will be giving health education to about 900 students and continue to be involved in the community attending meetings such as Chamber of Commerce.

Marc Eberlein asked Bill Rust about the 2010 study regarding levees and EPA changing of their mind about implementing the project. Rust explained that the difficulty was based on the technical side with the concern that it would make more flooding in trying to address the channels in a dredging cleanup process.

Fitzgerald emphasized that the flood group wants to act as a community and advocate a partnership.

Eberlein asked if the Commission agrees can we move forward. He suggested a conference call to discuss and approve the flood issue since there was not a quorum of Commissioners present to vote.

John Tippetts said that he supports this flood group action and Fitzgerald again noted that it would be a partnership. Harwood shared that we would be sensitive to the open meeting law and that he would schedule another BEIPC meeting.

Introductions were made by attendees.

Discussion of IDEQ's recommendation for the Executive Director to consult with the BEIPC Chair for the E.D. to represent the BEIPC on special tasks outside normal CDA Basin issues

JohnTippetts clarified that they wanted to make sure the E.D. will distinguish from representing BEIPC or only himself.

Discussion about EPA recommendation about CCC meeting on same day.

Terry Harwood reported that it had already been decided to have CCC meetings in the evening so that hopefully more working people could attend.

Update on Billboard issues at CTP/groundwater project

Don Carpenter (IDEQ) talked about the billboards issue providing an update. He reviewed the Central Impoundment Area (CIA) walls plan alongside of I90. IDEQ owns the property. They need to remove 8 billboards. 5 billboards are on EPA property. He shared the communication efforts made about the December 1 deadline.

2nd issue is design and installation of reinstalled billboards.

2017 Blood Lead Report

Andy Helkey (PHD) presented 2017 blood lead level report. Testing is a public health service offered by the State. He said that lead basically can affect every system in your body. There is no safe level of lead. At risk population is children because they are affected at a lower level. Latent effects can be seen in adults. There is correlation between the recreational seasons with exposure.

Jamie Sturgess asked if the \$30 incentive payment to be tested has helped and Helkey confirmed that it has. Participation was up about 20% last year. Social media has helped to get the message out and to reach a higher economic group.

John Tippetts asked about environmental exposure. Helkey said it is referring to nutrition and schooling.

Karen Roetter from Senator Mike Crapo's office asked if you can paint over lead based paint on antique furniture. Helkey answered that you can use latex paint but cautioned to get all peeling leaded paint off first so that it does not peel again.

John Tippetts said that there are still people that do not understand the risk. He asked if realtors share the information about properties for sale. Helkey said yes.

Valerie Wade (PHD) commented that there is a big gap of those being educated. There is a huge population that do not know about the risks and who do not note signs in the recreational areas. Tippetts commented that there has been an attitude and wondered if it is diminishing that there is really no big deal.

Helkey said they are going to revise their signs with health messaging combined with the history and will put more signs on recreational sites. He shared that they are working with the University of Idaho on a video game being developed about lead exposure. Last year PHD had a pediatric workshop to raise awareness in the northwest.

Glory Carlile (BEIPC) wanted to verify that there is a disclosure law regarding the sale of property. Although the answer was yes that there is a State and Federal requirement, Illya Cline (realtor) commented that the Silver Valley is really good about it but some Coeur d'Alene realtors do not know.

Helkey added that most dentists encourage removal of old lead fillings.

Announcement

Michael McCurdy (IDEQ) announced Rob Hanson will be retiring before the May BEIPC meeting after 39 years with IDEQ. Dana Swift will move into his position. John Tippetts, IDEQ Director, added that Rob will be greatly missed.

Some attendees stayed for further discussion on the billboards issue. Don Carpenter (IDEQ) made himself available for those who may have missed his presentation and/or wished to have the information again and to ask questions.

Basin Environment Improvement Project Commission

Draft Conference Call Meeting Summary Minutes

March 15, 2018, 1:00 PM – 3:00 PM

Panhandle Health District Conference Room, Kellogg, Idaho

These minutes are summary notes of the reports and presentations and are intended to capture key topics and issues, conclusions, and next steps and not every detail of discussions and individual quotes.

Attendees included the following:

On the telephone were Commissioners Jack Buell (Benewah County), Mike Fitzgerald (Shoshone County), Marc Eberlein (Kootenai County), Phillip Cernera (CDA tribe), Sheryl Bilbrey (EPA), John Tippets (IDEQ), Rob Hanson (IDEQ Alternate), and Grant Pfeifer (State of Washington).

Also on the phone were Jerry Boyd (CCC Chair), Randy Connelly (Spokane Tribe), Matt Nykiel (Idaho Conservation League), Ted Yackulic (EPA), Ed Moreen (EPA), Rebecca Stevens (CDA Tribe), Michael McCurdy (IDEQ), and Sandra Raskell (TLG Chair).

In person were Terry Harwood (BEIPC Executive Director), Glory Carlile (BEIPC note taker), Andy Helkey (Panhandle Health District), Rene Gilbert (EPA), and Rod Plank (City of Kellogg).

Approve Minutes from December 6, 2017 Meeting

Marc Eberlein moved and Rob Hanson 2nd to approve the Dec 6 2017 BEIPC meeting minutes. **M/S/C**

Phillip Cernera and Mike Fitzgerald 2nd for a briefing on the Bunker Hill settlement to be added to the agenda. **M/S/C**

Terry Harwood gave a brief summary of the flooding issue on the agenda. He shared that he has been working on flooding issues for many years. The flood group was started in May 2017. As a group they wanted to ask the Basin Commission be part of the partnership to take the lead in representing the group to present to FEMA to have a cooperative effort. There also is a possibility of missing potential grants if they are not organized.

Sheryl Bilbrey wanted to talk about the role of the EPA and introduced Ted Yackulic (EPA) as their legal consultant. EPA should be excluded specifically as a member of the Basin Commission so that they are not involved as a governmental entity.

Tippets noted that in #4, it lists the members of the flood group and wondered why we specify the Director of the Basin Commission. He thinks it should have listed the Basin Commission as a group.

Tippets also wonders why do we mention the IDEQ and not the CDA Tribe and why is there a private member of the group? Terry Harwood explained that the group was formed about a year ago and has already been in existence for about a year and the Idaho AG wanted a definition of the local group. Tippets asked why is the BEIPC ED. listed specifically and not the Basin Commission as a group? Tippets said that it should say that the Basin Commission act as a special flood group coordinator.

After that change Tippetts said that he would be fine with the MOA.

Ted Yackulic confirmed that the MOA should state that the United States is not a participant for the purposes of this MOA document. Terry Harwood asked Yackulic to wordsmith the revision and send it to him.

Tippetts asked that IDEQ would agree with the understanding that IDEQ does not intend to participate or intend to be a taxing levee authority and expressly or state “supersede any local control to any degree.” Terry Harwood agreed that it should be included in the agreement.

Mike Fitzgerald will coordinate with Rob Hanson to wordsmith this additional inclusion and to work together and coordinate the revision.

Fitzgerald summarized the discussion: Exclude US government – EPA and to refer to Basin Commission instead of ED

Terry Harwood corrected in #4 that we are talking about the current flood group that includes the ED.

Rob Hanson moved that the Basin Commission enter into an agreement with the special flood control partnership of the upper CDA River Basin in Shoshone County and finalize the MOA for the Commissioners approval, and Marc Eberlein 2nd

Discussion:

Matt Nygiel asked if this fits into the scope of the BEIPC original mandate and legislation MOA of 2002.

Fitzgerald added that it is stated in the Executive Summary and consistent with the Basin Commission reports. Cernera suggested a preamble be added to the MOA that states exactly what is under the purview of the Basin Commission.

Rebecca Stevens pulled up the MOA on the computer and said that it is not in the MOA but referred to in the Idaho Statute 39, Chapter 31.

Ted Yackulic noted it needs to reflect basically what the scope is of their authority.

Harwood asked that the commissioners first tell whether or not they are committed to these folks and then deal with the MOA language later.

Mike Fitzgerald noted that language about being a flood district has been removed. Harwood confirmed that the MOA is not creating a flood district. The basis of this agreement is working together.

Cernera suggested that we resolve today that they move forward and the board to agree to coordinate and support this effort and have Harwood finalize a draft of the MOA at a later date. Ted Yackulic agreed but still have EPA abstain.

Vote on the motion was summarized: The Basin Commission agreed to the partnership with the flood group. EPA Abstained. **M/S/C**

Terry Harwood reviewed the process:

Ted Yackulic will send his revisions and Mike Fitzgerald will work with Rob Hanson. Terry Harwood will receive the language revisions from Ted and Rob. The plan will be to send it back and forth for review by the Commissioners and any other parties involved and once resolved will send it out for signatures of the local jurisdictions including the county and then meet with Jack Buell for his signature as Chairman of the Basin Commission.

Marc Eberlein left the telephone meeting.

Added Agenda item:

Ed Moreen gave a brief summary of the Bunker Hill settlement:

In addition to that the Bunker Hill will be taking on controlling the mine waste flow.

There will be a 30 day comment period on the Consent Decree and a 15 day comment period to begin March 19.

Certera asked about the funds and Ed Moreen answered that the money will stay here in the Box.

Ted Yackulic said that it is standard type of language. Certera asked that there is a MOA about the CTP and what is the agreement. Moreen said for future flows that they will be responsible for water treatment and it is in the settlement agreement. Certera said that he was concerned about just finding out about this settlement.

Jerry Boyd asked that a notice be sent out about the comment period to the contact list. Ed Moreen said that the press release has already been sent to Terry Harwood and can be sent out to the public.

Matt Nykiel asked about the timeline of the comment period. Ed Moreen clarified that it will formally begin on Monday, March 19.

Announcement:

CCC meeting in the Lower Basin on April 18 in the early evening so working people may attend.

Next BEIPC meeting will be on May 23 at the CDA Inn.

Phone Meeting Adjourned.

BEIPC Operational Items for consideration at the May 23, 2018 Meeting.

- This Item remains to be considered by the Board from operational recommendations received from the IDEQ in 2017:

The Executive Director should consult with the BEIPC chair for requests of the ED to represent the Commission on special tasks or issues. This would not include routine coordination with Bunker Hill impacted communities and agencies.

- In a letter dated January 4, 2018, EPA supported holding CCC meetings on the same day as BEIPC meetings.

BEIPC/Citizen Coordinating Council (CCC) Meeting

April 18, 2018, 5:00 – 7:30 p.m.

Medicine Mountain Grange Hall, Medimont, Idaho

Jerry Boyd, Chair, called the meeting to order at 5:00 p.m.

Introductions of Attendees:

Each attendee introduced themselves. Signed in attendees included Jerry Boyd (CCC Chair), Jamie Brunner (IDEQ), Craig Cameron (EPA), Glory Carlile (BEIPC, note taker), Chip Corsi (IDFG), Julie Dalsaso (citizen), Jack Domit (Spokane River Assn.), Larry Donohoe (citizen), Bonnie Douglas (citizen), Lee First (citizen), David Fortier (citizen), Rene Gilbert (EPA), Terry Harwood (BEIPC E.D.), Any Helkey (PHD), David LePard (citizen), Dan McCracken (IDEQ), Ed Moreen (EPA), Kim Prestbo (EPA), Sandra Raskell (TLG Chair, CDA Tribe), Susan Rodgers, (St. Maries Gazette), WC Rust (citizen), Rusty Shepard (CDA Lake Shore Owners Assn.), Ben and Monica Sheppard (citizens), Susan Spalinger (Alta), Ron Streeter (citizen), Jamie Sturgess (citizen), Kajsa Van de Riet (IDEQ), and Bob Witherow (IDEQ)

Citizen Discussion of Issues and Concerns

Julie Dalsaso asked about updating health warnings about lead for new residents and for the Spokane River area. Andy Helkey said that he does not have jurisdictional authority in the Spokane River area and he will be sharing more information and updates in his presentation.

Craig Cameron answered a question about replacement of Bill Adams retiring from EPA. He said that there will not be a team leader replacement but they will have more project team members for an expanded team. Anyone with questions or issue should go to the project manager first. Harwood said that anyone who has a question about who to contact to get ahold of him and he can direct them to the right spot.

Presentation of Blood Lead Report by Andy Helkey, Panhandle Health District.

Andy Helkey gave a presentation of the 2017 Blood Lead Report and noted that the results in the report are from the one week period of annual screening in August. He shared the process of testing including consent form, venous draw, and follow up screening. Jamie Sturgess asked about the week in August incentive vs. year round. Helkey answered that very few test during the rest of the year and the incentive amount is only in that one week. Helkey added that overall there is a decreased blood lead level over time and overall participation increase. An optional survey question also revealed that there is a higher salary range in participant households. Changes in marketing and using social media helped to get the word out.

The report showed that the route of exposure is mainly through absorption, at risk populations are children and pregnant women, and that health effects are higher in children.

Helkey gave many examples of identified sources noting the strong recreational and occupational links. Other contributing factors to higher numbers included antique jewelry and lead based paint products.

Things being done:

They are working on signage and trying to make them relevant to the spot they are in the area site. Since the river changes every year, they have developed temporary signs in public recreation areas that change to the site area.

They are working with the University of ID in education programs and have developed, for example, a video game geared to a higher age group. They also held a Pediatric Lead exposure seminar.

Restoration Partnership and Restoration Plan

Kajsa Van de Riet (IDEQ) and Chip Corsi (IDFG) presented updates discussing Restoration Partnership.

Chip Corsi gave a little background history of the impact of mining activities and other things that injured natural resources, fish and wildlife and water quality. He said that they are at a key point in the restoration work process. Restoration process included litigation, settlements, restoration partnership, plan and Environmental Impact Statement (EIS), and developing an implementation plan.

Bill Rust asked about the settlement for the environmental restoration. Corsi said that there is about \$143 M in just the environmental restoration.

Kajsa Van de Riet reported on the restoration action and the cleanup showing examples with the focus on the CDA Basin. Projects focus is on ecosystems restoration and habitants. The focal species chosen is the native trout and waterfowl. Human focus is on ecological restoration and/or human use projects and the ways people are using these environments. She gave past project examples under the interim plan that give an idea of what they are looking for in bigger and better future projects. Next steps include open house meetings in May in Kellogg, Osburn, and St. Maries, solicitation for project applications that anyone is eligible to apply but must fit the plan and selection criteria. Trustees will then review, evaluate and select projects for funding.

Jamie Sturgess asked if there will be a restricted time to apply or is it open. Corsi said that the timeline has not been determined yet but they are thinking of opening solicitation July 1 and closing the timeframe in September. They are considering having a rigid flexibility approach for applications. Sturgess asked about the amount of grants and the minimum and maximum of dollars. Corsi said that ranking projects will fall in the tier priority and matching funds or partnering would certainly help the application score better. Corsi added that they also seek opportunities with EPA to “piggyback” on remedial actions so that there will not be duplicate projects. There also will be technical people available and volunteer and in-kind work may count as a match.

Rust said it looks like a large amount of the projects will be on public property but Corsi said that some will be on private land. The big challenge is to not restore areas that will most likely be re-contaminated.

Harwood added that we are using environmental covenants with property owners for cleanup actions that are recorded on the deeds of the property at the courthouse.

Van de Riet announced that there is a Restoration Partnership website where the plan can be viewed at www.RestorationPartnership.org

Groundwater Monitoring update Repositories Report – Craig Cameron, EPA

Craig Cameron (EPA) gave an update on CDA Basin Repository Monitoring beginning with East Mission Flats Repository Monitoring noting the following:

- EMF historically impacted by flood disposition of contaminants in the sediment from the river.
- They adopted 2 suggestions for the addition of two more monitoring wells.
- Found that barrier construction on repositories is not as important as the compaction of the waste material.
- Big Creek has an annex that was added a few years ago that expanded the capacity.
- Big Creek repository /Annex monitoring: Data provides no indication that repository contaminants are moving off the site.
- Lower Burke Canyon Repository: They are considering additional ways to monitor.
- SVNRT and Canyon Creek Repository (CCR): will address the groundwater flow.
- Page Repository is being expanded to the west.

Harwood shared that the repositories are available for the community in the Institutional Control Program (ICP) to dispose of waste. Boyd added that land owners and developers should be aware of the ICP and the opportunity to use these repositories.

Cameron shared that the Limited Use Repositories, Government Gulch, Zanetti Yard, and East Osburn closed in 2017 and that the Community Fill Plan (CFP) use has been mostly taking the waste from the roads remediation.

Update on Lower Basin Work Planning – Ed Moreen/Kim Prestbo, EPA

Ed Moreen (EPA) gave highlights of 2017 of flood sampling and coring to show where they think the lead is predominantly coming from and what the other sources are into the lower basin.

Sediment and Lead Budget summary:

Flux Lead in Cataldo is about 14% going out at Harrison and bank erosion is about 13% and bed erosion about 73%. He showed the source of greater sediment flux into Cataldo as compared to lead flux in. In March 2017 Flood – Suspended sediment sampling they found that the general trend upstream to downstream was that the lead concentration jumps up and stays pretty consistent to Harrison and into the Lake. The Dudley Reach Coring 2017 purpose was to supplement and corroborate 2013 coring data and it showed high concentrations of lead on surface in scour holes.

Depositional Tiles Project Update

Kim Prestbo (EPA) talked about the modeling work that has been done and depositional tiles wetlands project that showed relatively low amounts of sediment deposited in low-flow off-channel areas. They used information for the modeling update and running trial model applications and testing and to identify high concentration areas and high erosion potential.

In the past year they have completed Lower Basin Strategic Plan with the 4 goals as a starting point for implementation of pilot projects. The goals for cleanup are to reduce risks for people and wildlife, control sources of contamination, and to promote long-term stewardship.

They have developed a Technical Work Group from various agencies with common themes. They all recognize the funding realities and where we are at. The working evaluation process included defining the important criteria, and to come up with an overall measure of performance as well as an observable outcome.

They will be running these proposals through the Multi-Objective Decision Analysis (MODA) to note the prioritization and the factors that play into decision making. The evaluation criteria will include how the project will protect human health, prevent recontamination, ensure protection of wildlife, and the ease of implementation.

The next steps will be a Lower Basin stakeholders meeting in June and to develop proposals.

Presentation of Lower Basin proposal by Jaimie Sturgess

Jamie Burgess introduced his presentation by showing a short video about an application to stabilize sediment on the bottom of a lake that was done by the Fish and Game department. The idea was to provide gravel to promote spawning for Kokanee fish. Sturgess showed the video because the idea was brought up years ago. He added that Bill Rust proposed it also in 2012 and we're still in the same place.

This proposal prepared by Jamie Sturgess, Kootenai County citizen and Bill Rust, Shoshone County citizen was presented as an update of one presented in June 2012. Not much has changed in the lower basin including that river banks still erode contaminants into the water and that the CDA River sediments still exceed cleanup goals. EPA continues to study streambed and streambank contamination.

Although some human health remediation has been done, studies confirm downstream movement of contaminated sediments with every major runoff event and public and ecological risks still exist in the Lower Basin.

The 2001 Feasibility Study and Cleanup Alternate review in 2005 by the National Academy Science stated that if mobilization of the riverbed bottom sediments is not prevented then further remediation is essentially useless because it will be re-contaminated.

Sturgess then reviewed streambank stabilization in the NRCS Design with a CDA River example of round rock gradation that showed that it can be done, is not too expensive, it is durable against boat wakes, and eliminates future bank sources of remobilized sediments.

Sturgess proposes that in River Bottom Stabilization that if a rock layer will prevent erosion of a river bank than it will prevent erosion of the stream bottom. He showed a graph of a typical cross section although there are varied levels and feels it is viable and affordable through the CDA Trust. His presentation is for a three mile project proposal to armor the river bottom starting at Dudley Reach at an estimated cost of under \$10 million. Particle size vs flow velocity will stabilize the sediment at the bottom of the stream.

Results would include the following:

Stop remobilization of the contaminated bank and bed sediments to reduce the lead that is in the Lake. This will reduce the lead content in floodplain deposition, will reduce lead transport into the lakes and the lead at the beaches will also be reduced. Harwood added that the banks be taken care of at the same time to take care of the bed and bank at the same time.

Sturgess said that the timing to tackle the lower basin is helped by the work being done at the Central Treatment Plant which will control seepage water quality. Concepts and Issues in the proposal will consider: Questions, Effects, Permanence, Consequences, Construction period, and Measure of Success. Sturgess concluded the presentation with the hopes that there is a Pilot Project contract in a year and feasible to begin work in 2020 – 2022. Bill Rust added that this proposal is a pilot plan to demonstrate the work that can be done.

Julie Dalsaso asked if it was a pilot project and the area it pertained to. It was answered that it is under Operable Unit 3 in the Lower Basin under the ROD Cleanup part.

Moreen reviewed the process of getting a pilot project even started and the steps include a lot of planning and testing, a model to be run, budget planning, and approval and coordination with other agencies. There is no quick way to get to an end point but to go through the pilot project process is a way to begin to see if it can be done or not.

Boyd asked about input about the location of the Lower Basin meeting in June and perhaps to talk more about pilot projects.

Meeting adjourned at 7:45.

Listing of Input, Questions, Concerns and Discussions from the public, CCC and government officials since the last BEIPC meeting

Many of these issues are discussed at the meetings and a review of the notes from those meetings will inform the public, see basincommission.com.

- Update the BEIPC web page – in progress
- Recommendation to have CCC and BEIPC meeting presentations available on the BEIPC web page – will be implemented when the new page is up and running.
- Reaffirm county TLG representation – completed/none assigned for Shoshone and Benewah, 2 for Kootenai.
- Include county reps on BEIPC Staff calls - done
- Request for public relations folks from agencies report activities to CCC and BEIPC –implemented
- Post the EPA Strategic Plan on the BEIPC web – will be done when new web site is up and running.
- Develop a MOA with local jurisdictions and BEIPC participating governments to work together on flood related issues – complete, BEIPC Executive Director will lead the effort.
- A number of questions concerning the Bunker Hill settlement were received by the BEIPC and were forwarded to EPA for action.
- We have received a request at a CCC meeting to report on the estimated cost of work during a year and the actual expenditure at the end of the year. EPA and ED have done this in the past but only on a gross amount such as total amount of funding available this year and actual allocation. Need to discuss item at BEIPC meeting.
- The Public and CCC members requested a listing from EPA of the EPA personnel assigned as project leads for the various work taking place on the Site – Executive Director and EPA working on this assignment and will be sent out to BEIPC mailing list and posted on the BEIPC web.