



Jesse Steele - Accountability Report

June - July 2020

Reporting Guidelines (questions to consider as you prepare your report)

Describe what you did, when and how you are supporting your partners? What was the end product? How did you share the product with local and external basin partners? How would those partners describe the value and their satisfaction of the services provided? Please list specific examples as outlined below.

The Executive Director supervises and directs all activities of the GRMWP staff including accomplishment of all of the work elements delegated to various staff. The Director accomplishes Work Element "Regional Coordination" which includes coordination, committee participation, task force participation, recovery planning and other participation. Agencies, groups and processes the Director is involved in include the OWEB Rules Advisory Committee, OWEB Outreach Program Committee, Title II Resource Advisory Committee, the Oregon Governor's office, regulatory agencies, NPCC and NPCC staff.

Narrative Summary: (Describe how GRMW as an organization is meeting its contractual milestones & deliverables including watershed coordination, Atlas development, project review & selection, etc in collaboration with Basin Partners and BPA)

GRMW has been able to continue effective coordination among the partners during the Stay at Home orders. We have utilized GoToMeetings extensively and even purchased a second license so that we can host multiple meetings at the same time. We facilitated another Headwaters Initiative (HWI) meeting this period. We reviewed the HWI agreement and future project list with the USFS and their new Aquatics Program Manager, Cecil Rich. We continue to conduct monthly coordination meetings with our BPA COR and Area Lead to discuss projects and budgets. GRMW has been able to conduct all our Board meetings remotely, including the June meeting where the Board reviewed and approved 7 proposals for funding. Both Union County and Wallowa County IT meetings have been held remotely for several months now. This has allowed coordination and project planning to continue among the partnership. We have several guest speakers lined up for the fall IT meetings, including Phil Roni (AEM results and future), Kai Ross (HSI Tool) and Nick Legg (Sediment Analysis in the UGR). We have mostly paused Atlas development in Wallowa County and Atlas updates in Union County. We feel it is more effective to have those working meetings in-person and will resume once we can safely meet again. GRMW held an additional proposal solicitation in June. Several projects were delayed this winter and spring due to various reasons (Sec. 106, design changes, etc.), so this funding opportunity was utilized to try and get some of those projects into the Stepwise process during this fiscal year. Seven proposals were submitted on June 1 and all seven were recommended for funding by the IT. We continue to work collaboratively with BPA and partners to address some knowledge gaps that will help inform future restoration efforts. These activities include a sediment analysis in the UGR, the development of an Habitat Suitability Index Tool, LiDAR acquisition, Water quality assessment, HEC-RAS modeling, and software upgrades. These efforts will inform project designs and Atlas restoration priority areas.

Challenges/Risks: (Identify any major challenges/risks, how you are addressing them and if you need BPA assistance)

We anticipate budget reductions at OWEB will begin to start effecting GRMW in 2021. It is likely that we will not be able to secure the typically funding from OWEB to operate the gauging stations in the Grande Ronde Basin. Additionally, the FIP will be ending in June 2021, so that cost share will no longer be available. It is unlikely OWEB will have another application period for FIPs in 2021. Two positions are funded approximately half time at GRMW by OWEB. There is potential that if revenues don't increase soon for OWEB that it could start to affect GRMW's administration budget.

Lessons Learned: (Describe organizational successes and/or opportunities for improving GRMW performance including support of your partners)

As we get close to ending Fiscal Year 2020, I feel that we had a very successful year. The coordination with BPA has been the best I can remember it and I believe it shows in the amount of restoration and assessment that we were able to complete and contract. The monthly coordination meetings continue to provide a lot of benefit for both GRMW and BPA.

List Monthly Training & Travel:

N/A



Staff - Accountability Report

June - July 2020

Reporting Guidelines (questions to consider as you prepare your report)

Describe what you did, when and how you are supporting your partners? What was the end product? How did you share the product with local and external basin partners? How would those partners describe the value and their satisfaction of the services provided? Please list specific examples as outlined below.

Staff

Connar Stone, Alex Towne, Kayla Morinaga, Mary Estes, Ian Wilson

A. 165: Produce Environmental Compliance Documentation

(A. 165) 6. Assist GRMW partners to complete environmental compliance documentation for GRMW-funded projects (as requested)

- Ian Wilson - Week 4 of July: Meeting with Wallowa Resources, Oregon State Parks about funding and NEPA processes related to the implementation of the Upper Wallowa River Project. The National Park Service Land and Water Conservation Funds are delayed until next spring and they want to perform their own NEPA. A follow up meeting with BPA is scheduled to discuss the responsibility of NEPA and general timing of these actions. Updates are provided at monthly IT meetings. Partners are appreciative of assistance with environmental compliance.
- Ian Wilson - Week 2 of July: Coordinating and communicating the NEPA process and timing with BPA, GRMW Executive Director and Wallowa Resources for the Upper Wallowa River Project. The end product will be BPA working conducting a NEPA for UWWR. Updates are provided at monthly IT meetings. Partners are appreciative of assistance with environmental compliance.
- Ian Wilson - Week 1 of June: Coordinating EC information for Upper Wallowa River Project. The end product will be BPA getting the most recent EC documents for the UWRR project. Information will be shared at IT meetings. Partners value coordination among local sponsors and EC staff from BPA.

B. 191: GRMW Grande Ronde & Imnaha Basin Watershed Coordination

(B. 191) 1. Coordination with state and federal agencies, tribes, county governments, Soil Water Conservation District's (SWCD's), environmental organizations and landowner groups within the Grande Ronde Basin

- Kayla Morinaga - Week 5 of July: Approached by local Forest Service timber stand improvement person and asked if I could provide him with information on recently completed and planned projects in the Catherine Creek area near the National Forest to help on an application for a funding opportunity for forest thinning.

- Kayla Morinaga - Week 5 of July: Assisted the Forest Service with a snorkel survey on Limber Jim Creek. This is the third year in a row we have done this.
- Kayla Morinaga - Week 3 of July: Went to Chicken Creek and West Chicken Creek to check on the 5 stage loggers deployed in that area. I downloaded all of them and checked the batteries and then relaunched them.
- Kayla Morinaga - Week 2 of July: Worked on adaptive management plan. Progress is halted due to the need for CRITFC to complete some tables and charts to use in the plan.
- Kayla Morinaga - Week 1 of July: Assisted the local Forest Service hydrologist in deploying a stream temperature logger on a tributary to SF Catherine Creek.
- Kayla Morinaga - Week 3 of June: Reached out to partners and local educators on macroinvertebrate training supported with USFS citizen science grant funds and conducted by Pat Edwards, a Portland State University professor. Training tentatively scheduled for August.
- Kayla Morinaga - Week 2 of June: I was approached by a representative from the Oregon Recreation and Conservation Fund and encouraged to apply for a small grant that fits in their mission. I applied seeking funds to add travel costs to our citizen science grant with the Forest Service for the macroinvertebrate training instructor to make two trips out to the Grande Ronde since COVID-19 restricted many people, especially educators, from being able to participate. We were not successful, but were encouraged to apply again when there is another round of funding.
- Connor Stone - Week 5 of July: Flew Bird Track Springs for Thermal Refuge Study for RGB imagery and FLIR, assisted in the placement/marketing of GCPs. Drone gimbal for FLIR camera suffered internal failure resulting in damage to internal components. Removed gimbal and mounted dampening plate with camera directly under the drone to acquire the remaining needed imagery. This method is not ideal and requires additional steps to rectify each image, but may be enough to get what is needed for the study.
- Connor Stone - Week 5 of July: With the FLIR gimbal out of commission, the only option left is to rectify the imagery with the flight logs on the drone. Connected the inspire 1 to PC and off-loaded flight logs. Used a .DAT conversion tool to convert the data to a human-readable CSV. Could not find a proper tool for writing the log data to each photo EXIF, so I wrote a short script to automate the process. The program takes a given log file and averages the location based on the timestamp of the photo. It is important to note that these are approximations and may not accurately reflect the precise location of the drone at a given interval of time, but it should at least get us close to the approximate location of the drone at the time each photo was taken, which should help produce a working FLIR ortho. This work is linked to our support of the Bird Track Springs Thermal Refuge Study.
- Connor Stone - Week 5 of July: The FLIR ortho was not able to process. Attempted several different options in Pix4D to get some kind of result, but with no success. Forwarded FLIR data on to Thermal Refuge Study team since they have other scientists who may be able to utilize the images effectively using other software and methods. I may continue to apply other methods to get the imagery to process, but at this point in time, other work takes priority.
- Connor Stone - Week 4 of July: Cleaned FLIR camera and tested all equipment in preparation for flight next week (Bird Track Springs Thermal Refuge Study). Some issues found with the FLIR Gimbal not syncing to display. Corrected by resetting the video transmitter. SD card also had an issue where photos were not being saved due to a corrupted file on the SD. Reformatted SD to work with the FLIR camera—this seems to have fixed the issue.
- Connor Stone - Week 4 of July: Prepared new flight plan for Bird Track Springs for next week. In order to increase the chance of success for the FLIR imagery, a tighter flight path was needed to increase the overlap of the photos to >

70%. This was balanced with a reduction in flight plan altitude to increase the resolution of each individual photo.

- Connar Stone - Week 3 of July: Coordinated with Joel Sholtes in preparation for the the Bird Track Springs Thermal Refuge Study this following week. Planned for multiple days at the site to fly project for RGB and thermal imagery. Determined necessary support for flight operations, and set site meeting place and time.
- Connar Stone - Week 4 of June: Uploaded McDaniel Design and Implementation Plan document as well as other supporting documents to FTP. Sent shareable link to Vance McGowan and Jesse.
- Connar Stone - Week 4 of June: Uploaded 2019-11-14 Sheep Creek ortho to project drive for Alex to access/manipulate to create a map for Levi Old.
- Connar Stone - Week 3 of June: Attended BTS Thermal Refuge Study meeting to hash out details for the July 27th visit to the site. Jake Kimbro and Allen Childs from CTUIR also attended the meeting.
- Connar Stone - Week 2 of June: Sent Bird Track Springs orthomosaics (pre and post flood events) to Andrew Tranmer and Daniele Tomina at University of Idaho, and Caroline Ubing with BOR to assist in the BTS Thermal Refuge Study effort. The first visit to the site should start sometime around late July.
- Connar Stone - Week 2 of June: Assisted Levi Old (TU) with .dwg file containing the location of wood structures on Sheep Creek.
- Connar Stone - Week 1 of June: Coordinated with Kathryn Frenyae with NPT for permission to fly Tamkaliks, Wolfe Wetland, and the Lostine Town Project.
- Alex Towne - Week 4 of June: Habitat Suitability Index model demo call with Kai Ross from Cramer Fish Sciences.
- Ian Wilson - Week 5 of July: Assisting partners with Bird Track monitoring. I helped establish ground control points as part of a multi-agency effort to monitor ground and surface water at Bird Track Springs. Monitoring efforts will be available after they are analyzed. There is broad support for effectiveness monitoring of restoration efforts for future projects. Communicating final logistics and site visit between the 6 Ranch and the AEM crew. GRMW coordinator will meet with all parties at the start of the survey to ensure landowner and survey crew are on the same page, including: parking, access sensitive species, cattle, etc. Partners appreciate contacts and communication of project coordinator. Sending out Doodle poll to arrange for site visits at current and planned projects. This is part of a larger effort to evaluate planting plan objectives, outcomes and lessons learned for future vegetation plans. The information will be shared at IT meetings. Partners are supportive of evaluating past and planned project vegetation plans for effectiveness and adaptive management approaches. Coordinating stream temperature data request between CRITFC and DEQ. The end result was CRITFC sharing stream temperature with ODEQ. The data will be used to help update local TMDLs. Information was shared with IT partners for contribution. Partners appreciate DEQ updating the TMDLs for project planning purposes.
- Ian Wilson - Week 4 of July: Updating Executive Director on activities of Wallowa County project coordinator and weekly staff meeting in La Grande. Coordination among GRMW staff facilitates project development, monitoring and coordination for partners. Staff meeting notes are captured for weekly meetings and relevant information are shared with basin partners. Value of weekly coordination is important to ensure GRMW can deliver important services to basin partners. Working with Connar to update project database by sharing information on the status of Wallowa County projects. IT specialist will use information to update database for archiving and sharing with partners. Partners appreciate a central repository of project data. Information will be shared with internal and external partners as requested. Communicating final logistics and site visit between the 6 Ranch and the AEM crew. GRMW coordinator will meet with all parties at the start of the survey to ensure

landowner and survey crew are on the same page, including: parking, access sensitive species, cattle, etc. Partners appreciate contacts and communication of project coordinator. Coordinating with CTUIR and GRMW IT specialist for Bird Track monitoring next week. I will help a multi-agency effort to monitor ground and surface water at Bird Track Springs the following week. Monitoring efforts will be available after they are analyzed. There is broad support for effectiveness monitoring of restoration efforts for future projects.

- Ian Wilson - Week 3 of July: Follow up communication with Wallowa River landowner by phone, seeking access to survey his property by the AEM crew this summer. The landowner was not willing to allow access due to personal reasons. The GRMW project coordinator suggested an alternative control site on the 6 Ranch, and will seek additional access for this consideration. Partners appreciate contacts and communication of project coordinator.
- Ian Wilson - Week 3 of July: Updating Executive Director on activities of Wallowa County project coordinator and weekly staff meeting in La Grande. Coordination among GRMW staff facilitates project development, monitoring and coordination for partners. Staff meeting notes are captured for weekly meetings and relevant information are shared with basin partners. Value of weekly coordination is important to ensure GRMW can deliver important services to basin partners.
- Ian Wilson - Week 2 of July: Updating Executive Director on activities of Wallowa County project coordinator and weekly staff meeting in La Grande. Coordination among GRMW staff facilitates project development, monitoring and coordination for partners. Staff meeting notes are captured for weekly meetings and relevant information are shared with basin partners. Value of weekly coordination is important to ensure GRMW can deliver important services to basin partners. Communicating with Wallowa River landowner by phone and email, seeking access to survey his property by the AEM crew this summer. The landowner was not sure and requested additional information. The GRMW project coordinator shared previous AEM reports, including data from the 6 Ranch, organization information about GRMW and Cramer Fish Sciences and overall goals of restoration and monitoring. Partners appreciate contacts and communication of project coordinator. Sheep Ridge head gate coordination and site visit. Local irrigators have expressed concern of how the water delivery at high flow has been effected following restoration work at Sheep Ridge. A site visit will be conducted July 8th to hear the concerns and discuss the options for fixing the problem. The information was shared among natural resource managers: NRCS, TFT, NPT, OWRD, GRMW and private landowners. Combined efforts from the aforementioned partners will support a solution that should alleviate problems for the irrigators while considering fish passage at Sheep Ridge. Coordinating past beaver data and future surveys with the Forest Service. The fisheries biologist for the Forest shared past data regarding beaver presence on Swamp and Chesnimnus Creeks and their plans to survey Swamp Creek again this year. Data collected from beaver presence will be used to help restore and manage this critically important species for river restoration. This information will be shared on the inaturalist platform and with IT partners. Partner support is ubiquitous for restoring beavers and the habitat they create.
- Ian Wilson - Week 1 of July: Coordinating control site and access with Chris Clark from Cramer Fish Sciences to conduct AEM monitoring related to the 6 Ranch restoration project. The end product was determining that the control Chris wants to use is on the adjacent neighbor's property and the GRMW project coordinator will contact and seek access for monitoring. Information will be shared with partners at monthly IT meetings. Monitoring effectiveness at restoration sites is valued by partners. A phone conversation with Coby regarding a follow-up action item from June IT meeting about rodents girdling vegetation at the 6 Ranch phase I. Coby explained that while there was girdling, it did not negatively affect survival. This is part of a larger effort to

evaluate planting plan objectives, outcomes and lessons learned for future vegetation plans. The information will be shared at the July IT meeting. Partners are supportive of evaluating past and planned project vegetation plans for effectiveness and adaptive management approaches.

- Ian Wilson - Week 4 of June: Updating project list for board meeting. Project spreadsheet will track projects in technical assistance and implementation stages as well environmental compliance and committed funds. The spreadsheet will be shared with the GRMW board. Board members appreciate an updated list of projects and where they are in the stepwise process. Updating Executive Director on activities of Wallowa County project coordinator and weekly staff meeting in La Grande. Coordination among GRMW staff facilitates project development, monitoring and coordination for partners. Staff meeting notes are captured for weekly meetings and relevant information are shared with basin partners. Value of weekly coordination is important to ensure GRMW can deliver important services to basin partners. Arranging for a site visit to Sheep Ridge to evaluate problems with pressure at the head-gate. Local irrigators have expressed concern of how the water delivery at high flow has been effected following restoration work at Sheep Ridge. A site visit will be conducted July 8th to hear the concerns and discuss the options for fixing the problem. The information was shared among natural resource managers: NRCS, TFT, NPT, OWRD, GRMW and private landowners. Combined efforts from the aforementioned partners will support a solution that should alleviate problems for the irrigators while considering fish passage at Sheep Ridge. Stage 8/0 meeting with TU and Nick Legg to discuss restoration strategies. A better understanding of how Wolf Water Resources views stage 8/0 strategies working and where they might be appropriate in Wallowa County. Information will be shared with partners as requested. Partners appreciate novel restoration techniques that restore natural processes.
- Ian Wilson - Week 3 of June: Updating Executive Director on activities of Wallowa County project coordinator and weekly staff meeting in La Grande. Coordination among GRMW staff facilitates project development, monitoring and coordination for partners. Staff meeting notes are captured for weekly meetings and relevant information are shared with basin partners. Value of weekly coordination is important to ensure GRMW can deliver important services to basin partners. Communicating with landowner (6 Ranch) about vegetation monitoring. Shared updated photo point presentation from IT meeting with landowner and asked permission to gather additional data using our drone. The landowner was pleased that we are still collecting data on her project and granted permission to collect additional remote sensing data to capture changes in vegetation. Scheduling a stage 8/0 meeting with TU and Nick Legg to discuss restoration strategies. A better understanding of how Wolf Water Resources views stage 8/0 strategies working and where they might be appropriate in Wallowa County. Information will be shared with partners as requested. Partners appreciate novel restoration techniques that restore natural processes. Working on project spreadsheet for upcoming board meeting. Project spreadsheet will track projects in technical assistance and implementation stages as well environmental compliance and committed funds. The spreadsheet will be shared with the GRMW board. Board members appreciate an updated list of projects and where they are in the stepwise process. Working with Cramer Fish Sciences to coordinate AEM monitoring on 6 Ranch this summer. Post restoration effectiveness surveys will be conducted at 6 Ranch during the summer of 2020. Information will be shared with Atlas partners and available from Cramer Fish Sciences. Monitoring is an important component to improve and understand restoration techniques. Reviewing and providing feedback to latest draft of the Rieman response paper. Partners are supportive because the Rieman response addresses ISRP concerns of restoration work in the Grande Ronde basin. The end product will be a peer reviewed response in a fisheries journal. A local subgroup with support from

CRITFC is working on the response. The response will provide recommendations for guidance of future restoration work.

- Ian Wilson - Week 2 of June: Updating Executive Director on activities of Wallowa County project coordinator and weekly staff meeting in La Grande. Coordination among GRMW staff facilitates project development, monitoring and coordination for partners. Staff meeting notes are captured for weekly meetings and relevant information are shared with basin partners. Value of weekly coordination is important to ensure GRMW can deliver important services to basin partners.
- Ian Wilson - Week 1 of June: Updating Executive Director on activities of Wallowa County project coordinator and weekly staff meeting in La Grande. Coordination among GRMW staff facilitates project development, monitoring and coordination for partners. Staff meeting notes are captured for weekly meetings and relevant information are shared with basin partners. Value of weekly coordination is important to ensure GRMW can deliver important services to basin partners. Developing a photo point presentation of vegetation monitoring at 6 Ranch for Atlas presentation. This is part of a larger effort to evaluate planting plan objectives, outcomes and lessons learned for future vegetation plans. The presentation will be shared at the Wallowa IT meeting in June. Partners are supportive of evaluating past and planned project vegetation plans for effectiveness and adaptive management approaches.

(B. 191) 2. Participation on various working groups, committees, task forces, stakeholder groups and advisory committees within and outside of the Grande Ronde Basin.

- Kayla Morinaga - Week 3 of July: Followed up with Sarah Brandy from the FS on the Headwaters Initiative conversation from the prior week, getting clarification on issues and talking about monitoring.
- Kayla Morinaga - Week 2 of July: Attended a Zoom meeting with Pat Edwards, the Portland State University professor that is a partner in our citizen science grant with the Forest Service. We talked about potential for him to come out and sample Longley Meadows in order for us to have pre-construction data since COVID has potentially put a stop of school field trips this upcoming school year.
- Kayla Morinaga - Week 1 of July: Attended a Headwaters Initiative meeting with the Forest Service and BPA on current status of the agreement and plans into the future. Part of the intent was to get Cecil Rich, the new FS Watershed Program Manager, up to speed but he was unable to make the call.
- Kayla Morinaga - Week 4 of June: Attended a Habitat Suitability Index (HSI) webinar presentation from Kai Ross learning how to use the tool.
- Ian Wilson - Week 4 of July: Reviewing inaturalist video training protocol produced by Christina de Villier for accuracy and content. The end product will be a training protocol video that can be shared with partners and members of the public on how to collect and report beaver observations in the field and store them on the inaturalist site. Data from the inaturalist project will be used to enhance and restore beavers and the habitat they create in northeast Oregon. Partners support this effort. Attending second half of climate change season round trail hosted by the Nez Perce Tribe and The Greater Oregon Hells Canyon Council. The end result was a better understanding and potential collaboration with partners that are developing a trail from the mouth of Joseph Creek to the Eagle Cap Mountains that uses traditional knowledge and seasonal food use along with science and outreach to identify and mitigate climate change. Updates will be provided at IT meetings. Partners appreciate updates and participation in various working groups.
- Ian Wilson - Week 3 of July: Reviewed Wallowa County Natural Resource Management Plan (Minam River and Big Sheep Creek) and attended NRAC meeting. The end product will be the updated Salmon Recovery plan, a

document that can be used for local land use planning as well as seeking funding for restoration work. Stream reaches from Wallowa Atlas will be used to inform the updated version of the County Salmon Plan. Input from a GRMW representative who understands Atlas is highly valued.

- Ian Wilson - Week 2 of July: Registering for climate change season round trail hosted by the Nez Perce Tribe and The Greater Oregon Hells Canyon Council. The end result will be attending a portion of this meeting and collaborating with partners to consider developing a trail from the mouth of Joseph Creek to the Eagle Cap Mountains that uses traditional knowledge and seasonal food use along with science and outreach to identify and mitigate climate change. Updates will be provided at IT meetings. Partners appreciate updates and participation in various working groups.
- Ian Wilson - Week 4 of June: Conference call with Cramer Fish Sciences to discuss the HSI tool developed by CFS for GRMW and partners. The HSI tool can be used to model different habitat variables and how they impact suitability for fish species of concern. The model will be available for consultants to use when planning restoration work. The tool will provide a valuable tool to determine what habitat restoration aspects will have the most beneficial impacts.
- Ian Wilson - Week 4 of June: Uploading video for inaturalist training protocol. The video will be used as part of a training protocol for the inaturalist site. Information will be shared with internal and external basin partners through the inaturalist site. Partners are supportive of this effort. Attended GRMW board meeting on conference call to vote on project proposals. Board decision on project proposals. Decisions were shared with members of Wallowa Atlas team. Having a project coordinator that is informed of board decisions related to project proposal approval or rejection and comments is appreciated by partners.
- Ian Wilson - Week 3 of June: Sharing watershed council information with Mike Hansen to help with launching inaturalist statewide. The end product will be considering how to best partner with other Oregon watersheds in collecting data through inaturalist. Information will be shared with the beaver working group and Atlas partners. Partners have expressed interest in collecting data on a statewide level. Working with Mike Hansen to discuss riparian woody species in Wallowa County and beaver diets. The information will be used to help understand suitable beaver habitat, limiting factors to redistribution and information that can be used to populate inaturalist. Information will be shared among beaver working group, inaturalist and Atlas members. Given the paucity of data on beaver populations and habitat requirements specific to NE Oregon, and the importance of beavers in river ecology, partners are very supportive. Creating video talking about the legacy and importance of beavers from a river ecosystem and restoration standpoint. The video will be used as part of a training protocol for the inaturalist site. Information will be shared with internal and external basin partners through the inaturalist site. Partners are supportive of this effort.
- Ian Wilson - Week 2 of June: Reviewed Wallowa County Natural Resource Management Plan (Minam and Snake River) and attended NRAC meeting. The end product will be the updated Salmon Recovery plan, a document that can be used for local land use planning as well as seeking funding for restoration work. Stream reaches from Wallowa Atlas will be used to inform the updated version of the County Salmon Plan. Input from a GRMW representative who understands Atlas is highly valued. Responded to Mike Hansen about alder species in NE Oregon, planting zones and other limiting factors to beaver recolonization. The end product is a better understanding of what native riparian hardwoods we have in NE Oregon, how they impact beaver diet and lodge building and limiting factors to re-establishing beavers on the landscape. The information is shared at IT meetings and on the online platform inaturalist.

There is great interest at many levels to better understand beaver populations, habitats and encouraging their presence for restoration purposes.

- Ian Wilson - Week 1 of June: Preparing and sending notes, BRAT model data associated with sites visited in Joseph Creek watershed and shaping objectives. The end product is a partnership exploring limiting factors to beaver recolonization, how we can ask and answer questions related to this and future collaboration to restore beavers on the landscape. Information from the visit was shared with participants and will be shared with the IT. Partners are supportive of gaining a better understanding of beaver populations and ways we can restore beaver habitat and beavers.

(B. 191) 4. Provide technical assistance upon request to landowners (resource consultation, permitting, funding sources).

- Kayla Morinaga - Week 1 of July: Talked with a landowner on Catherine Creek that was concerned about fish die offs in the summer. She was curious if information is passed on to GRMW when she reports these periodic summer dies off to ODFW. I investigated it and Tim Baily from ODFW has never heard from her before so she is likely calling an office elsewhere and information isn't filtering down. She was also curious if ODFW would test the fish for disease or pathogens and they said they would if she sampled the fish fresh and got it to ODFW quickly or froze it.
- Ian Wilson - Week 4 of July: Sharing Sheep Ridge information with the Nez Perce Tribe habitat personnel and hosting additional site visit. As co-managers on the original project, GRMW project coordinator is working closely with NPT and design engineer for potential solutions at Sheep Ridge. A simple solution was determined from the site visit with NPT and landowner, design engineer and irrigator and the work will fit under other diversion work in the fall. Scheduling, coordination and planning by the GRMW project coordinator are appreciated by partners and landowners. Updates will be shared with partners involved in the project.
- Ian Wilson - Week 3 of July: Sharing Sheep Ridge and Lostine Diversion designs and hydrology/hydraulic analysis and working with design engineer to solve irrigation withdraw issues. The information was shared among natural resource managers: NRCS, TFT, NPT, OWRD, GRMW, AP and private landowners. Combined efforts from the aforementioned partners will support a solution that should alleviate problems for the irrigators while considering fish passage at Sheep Ridge.

(B. 191) 5. Coordinate with BPA, state and federal agencies, tribes and landowners as needed to plan and implement restoration projects in the Grande Ronde Basin.

- Kayla Morinaga - Week 5 of July: Spoke with an organization that had questions on the Water Quality Assessment request for proposal. They had many questions about the proposed sample areas, timing, pollutants to test for, potential sources of contaminants, etc.
- Kayla Morinaga - Week 3 of July: Talked with Sean Welch about the upcoming sediment study in the upper Grande Ronde and the data that they'll need me to gather to help with their work. I corresponded with the FS Region 6 Stream Inventory Coordinator and requested the data from their database multiple times. I will also track down the PIBO dataset.
- Kayla Morinaga - Week 2 of July: Received some emails back from folks I reached out to regarding water quality monitoring. Further researched the information they shared with me and am going to stay in touch with them moving forward because they are all interested in our findings.
- Kayla Morinaga - Week 5 of June: Continued work on Water Quality Monitoring Plan SOW

- Kayla Morinaga - Week 3 of June: Worked on Grande Ronde water quality assessment SOW. Performed a literature review trying to figure out what water quality parameters need to be monitored that are most likely to affect fish health. Reach out to ODEQ local person and CRITFC to see if they had any insight. CRITFC provided me with contact information for 3 people involved in such work and I reached out to them. One was a professor at Oregon State University that is currently working under a NSF grant to create water quality tests that just pick up markers for a whole suite of related chemicals/ pollutants.
- Kayla Morinaga - Week 1 of June: Worked on water quality monitoring plan statement of work. The assessment is for a 2 year study of water quality parameters that could be affecting fish health in Catherine Creek and the Grande Ronde River focusing on the Grande Ronde Valley.
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- Connar Stone - Week 5 of June: Completed processing Wallowa Wilson-Haun orthomosaic. Sent results to Sean Welch at BPA.
- Connar Stone - Week 5 of June: Sent as-built construction file for Sheep Creek to Sean Welch as per Jesse's request.
- Connar Stone - Week 4 of June: Met with Jesse and Alex to discuss the metric comparisons we completed on Dry Creek (Aiwohi), MUGR, and Woodlee. Alex and I completed our analysis independently so we could compare our findings. We both came to the same conclusions that there do seem to be inconsistencies and ultimately a loss in metrics reported moving from the proposal to the completion report and from the completion report to the metrics being reported in CBFish. Moving forward, we will meet with Sean Welch to present these findings.
- Connar Stone - Week 4 of June: Worked on project metric comparison as requested by Sean Welch. This work consists of analyzing proposal, completion report, and BPA metrics reported in CBFish, and determining inconsistencies between each. This work will be completed with the intent to assist in the improvement of the reporting system, which should ensure that project partners are appropriately credited in CBFish with the work they have completed.
- Connar Stone - Week 2 of June: Compiled excel sheet detailing GlobalMapper upgrade and Phantom 4 Multispectral costs and sent to Sean Welch @ BPA.
- Alex Towne - Week 4 of June: Habitat Suitability Index model demo call with Kai Ross from Cramer Fish Sciences. Metric comparison meeting with Jesse, Connar, and Kayla to discuss what discrepancies we found.
- Alex Towne - Week 1 of June: Metric comparison between project proposals, completion reports, and cbfish reporting on the Dry Creek project, Woodlee project, and MUGR project.
- Ian Wilson - Week 5 of July: Providing updated hydrology to BPA for the Wallowa River based on current and past stream gauges and irrigation withdraws. Hydrology data is an important input for evaluating the HSI. Data will be shared with partners as needed. Local knowledge and technical input from GRMW coordinator is appreciated. Downloading R and R studio and loading HSI tool from Cramer Fish Sciences. A working understanding of the HSI tool will help partners plan and evaluate projects. The package will be available for partners to use and support has been positive.
- Ian Wilson - Week 4 of July: Reviewing habitat suitability index information and meeting with Sean, Joe Connar and Jesse on using the HSI tool to assess and plan restoration work. The overview was useful for planning projects that provide uplift to metrics covered in the HSI model. The tool developed by

Cramer Fish Sciences will be available for partners and engineers to use in project planning. To date, partners have been supportive of the HSI modeling.

- Ian Wilson - Week 2 of July: Working with Trout Unlimited and BPA to develop a BDR and project objectives for the Wilson Haun Wallowa River project. The end product will be developing a BDR and documenting project objectives as part of the project design. Information is communicated at IT meetings. Providing communication between opportunity leads and BPA is a valuable role for project coordinators. Stage 8/0 discussion on Wilson Haun. Working with opportunity lead to discuss where stage 8/0 techniques may be applicable on proposed restoration project. Updates provided at monthly IT meetings. Partners appreciate technical support from Wallowa County Project Coordinator. Meeting with Sean and Levi to discuss hydraulic modeling on Wilson Haun project. The end result was looking at different discharge return events and how the floodplain is engaged for restoration planning. Updates provided at monthly IT meetings. Model results shared by BPA were appreciated by opportunity lead and project coordinator.
- Ian Wilson - Week 1 of July: Coordinating shape and raster files from Doug Knapp to Paul Parson for continuing development of hydraulic model for Wilson Haun project. The end product will be further development and use of the hydraulic model to plan restoration work. Project updates are provided at monthly IT meetings. Partners value project updates. Project coordination/planning with Levi. Discussing how and where stage 8/0 techniques could be beneficial to the Wilson Haun project. The end product was deciding that some areas of channel incision would benefit from this treatment as well as aligning with the landowner's vision of natural processes. Information will be shared at regular project reviews if this technique is used. Restoration partners see the value and long-term benefits in restoring natural processes.
- Ian Wilson - Week 3 of June: Communicating with Jean about UWWWR update on funding. Jean provided an update on recently awarded funds and upcoming funding deadlines verbally and in an excel spreadsheet. Project updates will be provided at monthly IT meetings. Wallowa Resources have been supportive of the continuing effort by the Wallowa County Project Coordinator to assist with funding.
- Ian Wilson - Week 1 of June: Working with Doug Knapp (BPA) to get existing conditions hydraulic modeling for TU engineer. The end product will be Doug Knapp sharing the existing conditions model so the TU engineer can continue to develop the hydraulic model and it can be used for restoration planning on the Wilson Haun project. Updates are shared at monthly IT meetings. Partners appreciate involvement and updates.

C. 114: Identify and Select Projects

(C. 114) 8. Facilitate monthly coordination Implementation Team meetings to track development of restoration opportunities identified in the Atlases with project partners and opportunity leads.

- Kayla Morinaga - Week 4 of June: Finished and distributed IT meeting notes to the Union County Implementation Team.
- Kayla Morinaga - Week 3 of June: Participated in a took notes for the Union County IT meeting.

D. 114: Identify and Select Projects

(D. 114) 1. Facilitate prospectus review and provide feedback to Opportunity Lead/sponsor.

- Ian Wilson - Week 1 of June: Working with Kate on Wolfe Wetland implementation prospectus. The end product will be a prospectus submitted

through the stepwise process. Updates will be provided at the June 4th IT meeting. Partners value the review and feedback from the stepwise process.

(D. 114) 7. Present project proposals to Board of Directors for review and approval.

- Kayla Morinaga - Week 3 of June: Made a project table to share with the Board with recently completed projects, projects in implementation and projects in the planning process in Union County. The table has milestones and dates those were achieved, field tour dates, and other information to make it easy for the board to see what is currently happening.
- Ian Wilson - Week 3 of June: Meeting Jesse in canyon to pick up proposals for delivery to board members. Project proposals will be delivered or picked up by GRMW board members that reside in Wallowa County. GRMW board member meetings are recorded and open to the public. Review of project proposals by board members is a critical step in the funding review process.

(D. 114) 8. Facilitate monthly coordination Implementation Team meetings to track development of restoration opportunities identified in the Atlases with project partners and opportunity leads.

- Ian Wilson - Week 2 of July: Typing up and sending notes and action items to IT for review. Notes and action items are shared with IT members for accuracy and follow-up on action items. Organized notes and follow through on action items are appreciated by IT members.
- Ian Wilson - Week 1 of July: Preparing and sending out final agenda for monthly Implementation team meeting with Wallowa partners to track project opportunities identified in the Atlas planning framework. The end product is coordinated communication with basin partners and documented status of project development. Meetings are shared in person, over the phone and in high level notes captured. Monthly IT meetings are necessary to accomplish restoration with basin partners in terms of communication and coordination. Facilitating monthly IT meeting to track restoration work and identify new opportunities. High level notes from the meetings identify action items and are disseminated to partners. Partners appreciate monthly meetings for coordination of restoration work.
- Ian Wilson - Week 4 of June: Preparing draft agenda and working on follow-up action items for monthly Implementation team meeting with Wallowa partners to track project opportunities identified in the Atlas planning framework. The end product is coordinated communication with basin partners and documented status of project development. Meetings are shared in person, over the phone and in high level notes captured. Monthly IT meetings are necessary to accomplish restoration with basin partners in terms of communication and coordination.
- Ian Wilson - Week 2 of June: Facilitating monthly IT meeting to track restoration work and identify new opportunities. High level notes from the meetings identify action items and are disseminated to partners. Partners appreciate monthly meetings for coordination of restoration work.
- Ian Wilson - Week 1 of June: Preparing and sending out draft and final agendas and follow-up action items for monthly Implementation team meeting with Wallowa partners to track project opportunities identified in the Atlas planning framework. The end product is coordinated communication with basin partners and documented status of project development. Meetings are shared in person, over the phone and in high level notes captured. Monthly IT meetings are necessary to accomplish restoration with basin partners in terms of communication and coordination. Attempted to facilitate the monthly atlas IT meeting but I ran into technical difficulties related to the audio and connectivity. After several attempts to resolve the issue, including restarting the meeting, I cancelled the call-in and rescheduled for next Thursday. Shortly after the call, I contacted the interned provider and they fixed the internet

issue. Partners were understanding and most will likely participate at the rescheduled meeting.

E. 114: Identify and Select Projects

(E. 114) 1. Continue development of the Restoration Atlas with core partners in accordance with the implementation guidelines, the Atlas User's manual and terms and conditions within this contract.

- Alex Towne - Week 2 of July: Call into Wallowa Atlas subgroup meeting.
- Alex Towne - Week 3 of June: Prepare for Atlas subgroup meeting: make edits to opportunity polygons discussed at previous meeting. Call into subgroup meeting.

(E. 114) 5. Coordinate the collection and data analysis with the GRMW GIS Specialist to display layers, prioritization matrix, and sub watershed maps during the main meetings. (Technical work completed under WE G: Produce Maps, Manage GIS Data and Aerial Imagery).

- Ian Wilson - Week 2 of July: Updating Atlas workbook for Big Sheep Creek and BSC-2 subwatershed from notes taken at the subgroup meeting. The end product was consolidating and assigning restoration actions to 2 additional polygons in the lower portions of the Big Sheep Creek subwatershed. An updated version of the workbook was shared with subgroup partners. Partners are engaged and see value in continuing to develop the Wallowa Atlas.
- Ian Wilson - Week 4 of June: Updating Atlas workbook for Big Sheep Creek and BSC-2 subwatershed from notes taken at the subgroup meeting. The end product was consolidating and assigning restoration actions to 3 polygons in the Big Sheep Creek subwatershed using previous work done by GRMW, FS and NPT. General restoration actions for the entire BSC-2 watershed were also ranked. An updated version of the workbook was shared with subgroup partners. Partners are engaged and see value in continuing to develop the Wallowa Atlas.

(E. 114) 6. Record high level notes and action items during the main meetings and disseminate resulting notes/action items to team members.

- Ian Wilson - Week 2 of July: Record high level notes and disseminate action items from subgroup meeting for the continued development of the Wallowa Atlas restoration framework. The end product will be a completed Atlas framework. Meetings are shared in person, over the phone, in high level notes captured and updated versions of the Wallowa Atlas framework stored on GRMW shared drives. Completing the Atlas framework is valuable from the partner's perspective to allow restoration opportunities to be fully realized and developed.
- Ian Wilson - Week 4 of June: Record high level notes and disseminate action items from subgroup meeting for the continued development of the Wallowa Atlas restoration framework. The end product will be a completed Atlas framework. Meetings are shared in person, over the phone, in high level notes captured and updated versions of the Wallowa Atlas framework stored on GRMW shared drives. Completing the Atlas framework is valuable from the partner's perspective to allow restoration opportunities to be fully realized and developed.

(E. 114) 7. Schedule and facilitate the subgroup meetings using the best available data (scoring fish periodicity, utilization, limiting factors, restoration actions, opportunity, and sub watershed prioritization).

- Ian Wilson - Week 2 of July: Organizing agenda and facilitating subgroup meeting to continue Atlas development of the Big Sheep Watershed. The end product will be half day meeting with basin partners to build on previous work

done by partners (Forest Service, NPT and Alex - GRMW). The value of developing tier II subwatersheds in Atlas is unanimous.

- Ian Wilson - Week 4 of June: Schedule and facilitate subgroup meeting for the continued development of the Wallowa Atlas restoration framework. The end product will be a completed Atlas framework. Meetings are shared in person, over the phone, in high level notes captured and updated versions of the Wallowa Atlas framework stored on GRMW shared drives. Completing the Atlas framework is valuable from the partner's perspective to allow restoration opportunities to be fully realized and developed.
- Ian Wilson - Week 3 of June: Scheduling test Google meet with Alex for upcoming subgroup meeting. Google meets will be used to host the subgroup meeting because of a conflict with the GRMW GoTo account. Subgroup members will be emailed meeting information. Google meets will be tested by subgroup members at the meeting and feedback will be noted. Organizing and sending out agenda for subgroup meeting to facilitate Atlas development of the Big Sheep Watershed. The end product will be half day meeting with basin partners to build on previous work done by partners (Forest Service, NPT and Alex - GRMW). The value of developing tier II subwatersheds in Atlas is unanimous. Schedule and facilitate subgroup meeting for the continued development of the Wallowa Atlas restoration framework. The end product will be a completed Atlas framework. Meetings are shared in person, over the phone, in high level notes captured and updated versions of the Wallowa Atlas framework stored on GRMW shared drives. Completing the Atlas framework is valuable from the partner's perspective to allow restoration opportunities to be fully realized and developed.
- Ian Wilson - Week 2 of June: Schedule subgroup meeting for the continued development of the Wallowa Atlas restoration framework. The end product will be a completed Atlas framework. Meetings are shared in person, over the phone, in high level notes captured and updated versions of the Wallowa Atlas framework stored on GRMW shared drives. Completing the Atlas framework is valuable from the partner's perspective to allow restoration opportunities to be fully realized and developed.
- Ian Wilson - Week 1 of June: Schedule and facilitate subgroup meeting for the continued development of the Wallowa Atlas restoration framework. The end product will be a completed Atlas framework. Meetings are shared in person, over the phone, in high level notes captured and updated versions of the Wallowa Atlas framework stored on GRMW shared drives. Completing the Atlas framework is valuable from the partner's perspective to allow restoration opportunities to be fully realized and developed.

(E. 114) 8. Produce restoration opportunity maps within each subwatershed in GIS format.

- Alex Towne - Week 2 of July: Work on mapping opportunity polygons for BSC2 subwatershed.

F. 122: Provide Technical Review and Recommendation

(F. 122) 1. Assist partners with project activities and provide technical assistance, review and comments (as requested) for the above projects and other requests from basin landowners and partners as they arise. Assistance may include guidance, recommendations, GIS products and/or remote sensing data to assist in environmental compliance and permits.

- Ian Wilson - Week 5 of July: Helping Trout Unlimited project lead develop draft objectives for the Wilson Haun project based on previous 6 Ranch phase II template from BPA. The end result will be a document used for the RFP and BDR and shared with collaborating partners. Technical expertise and assistance is appreciated by basin partners. Scheduling time for McDaniel bid

review. The end result will be reviewing bid proposals and assisting with contract award. Results will be shared at regular IT meetings. Partners value the input and participation of GRMW staff when reviewing proposals.

- Ian Wilson - Week 4 of July: Assist NPT partner by providing qualifications and bio for Lostine Town Project as a technical contact. GRMW coordinator will support NPT by providing technical input on the design of the Lostine Town Project. This will be shared with partners during the reviews of the project. Partners value technical input and support for restoration work. Review of changes to Tamkaliks design with IT partners, RIO and the Nez Perce Tribe. The team reviewed changes proposed by RIO engineer since taking over the design from BPA. Regular reviews of projects are covered at monthly IT meetings. Partners appreciate feedback from GRMW staff and IT members.
- Ian Wilson - Week 3 of July: Scheduling a review of changes to Tamkaliks design with IT partners and the Nez Perce Tribe. The team will review changes proposed by RIO engineer since taking over the design from BPA. Regular reviews of projects are covered at monthly IT meetings. Partners appreciate feedback from GRMW staff and IT members. Reviewed McDaniel RFP and attended bid tour with ODFW and prospective contractors. GRMW representative attended tour to answer potential questions about the RFP contract. Appropriate contact information was shared with potential contractors for follow up questions about the RFP process. The bid process will be shared with basin partners at appropriate junctions. Partners value GRMW's ability to hold contracts and help the contractor selection process.
- Ian Wilson - Week 3 of July: Coordinating and rescheduling with the IT specialist to collect drone data on the 6 Ranch. The end product will be digital elevation models and aerial photography that can be used to track change at restoration sites. Data from drone imagery is typically shared with partners through the GRMW ftp. Partner support is unanimously positive for remote sensing data at project sites.
- Ian Wilson - Week 2 of July: Reviewing RFP letter and attached documents for McDaniel phase III and communicating with ODFW about potential contractors in Wallowa County. The GRMW coordinator will attend the July 16th bid tour at McDaniel's. Updates have been provided at IT meetings. Partners value knowledge of local contracting services and participation in technical bid reviews.
- Ian Wilson - Week 2 of July: Coordinating with IT specialist to collect drone data on the 6 Ranch. The end product will be digital elevation models and aerial photography that can be used to track change at restoration sites. Data from drone imagery is typically shared with partners through the GRMW ftp. Partner support is unanimously positive for remote sensing data at project sites.
- Ian Wilson - Week 1 of July: Coordinating rescheduled drone flight for Wallowa projects. Technical malfunctions led to the need to re-fly the Upper Wallowa River and 6 Ranch projects. The end product will be digital elevation models and aerial photography that can be used to track change at restoration sites. Data from drone imagery is typically shared with partners through the GRMW ftp. Partner support is unanimously positive for remote sensing data at project sites.
- Ian Wilson - Week 4 of June: Bid selection for Poley-Allen fish passage project. The end product was attending a remote conference with partners to review and select a contractor for the Poley Allen fish passage project using NPT selection criteria. Project updates will be provided at monthly IT meetings. Partners appreciate participation and feedback in the bid selection process.
- Ian Wilson - Week 4 of June: Working with Connor to plan drone flights on 6 Ranch and upper Wallowa R. The end product will be digital elevation models and aerial photography that can be used to track change at restoration sites. Data from drone imagery is typically shared with partners through the GRMW

ftp. Partner support is unanimously positive for remote sensing data at project sites.

- Ian Wilson - Week 3 of June: Coordinating with Kate on sharing 80% design with IT at upcoming meeting. Kate shared a link from Geo Engineers with the 80% design set and BPA HIP III comments that was emailed to the IT team to review prior to the July IT meeting by the Wallowa County Project Coordinator. Partners appreciate the opportunity to review and provide feedback on design sets. Providing availability for Poley Allen fish passage bid review. The end product will be attending a remote conference with partners to review and select a contractor for the Poley Allen fish passage project using NPT selection criteria. Project updates will be provided at monthly IT meetings. Partners appreciate participation and feedback in the bid selection process. Coordinating with project leads and IT specialist to collect drone data on UWWR and 6 Ranch. The end product will be digital elevation models and aerial photography that can be used to track change at restoration sites. Data from drone imagery is typically shared with partners through the GRMW ftp. Partner support is unanimously positive for remote sensing data at project sites.
- Ian Wilson - Week 1 of June: Working with IT specialist and landowners to coordinate permission for drone flights and associated remote sensing data at select Wallowa County projects. The end product will be digital elevation models and aerial photography that can be used to track change at restoration sites. Data from drone imagery is typically shared with partners through the GRMW ftp. Partner support is unanimously positive for remote sensing data at project sites. Getting Wallowa County tax lot shape files to Levi for Wilson Haun project planning. Tax lot files will be used for project planning on Wilson Haun and Lathrop projects. Updates are shared at monthly IT meetings. Partners appreciate project updates. Scheduling 80% IT review of Wolfe Wetland. The review will take place at the July 2nd IT meeting. Information will be shared at the IT meeting. Partners appreciate the opportunity to provide feedback at design junctures and see final designs.

(F. 122) 5. Collects (does not perform) and stores AS-BUILT information from project partners and stores information via WE H. Ensures project objectives have been accomplished through coordination with partners on documentation of project discrepancies and evaluation of the design vs. implemented project conditions. Provides BPA with assessment statement and documentation of compliance / non - compliance. This may require documentation through the remote sensing process identified under WE G.

- Ian Wilson - Week 2 of June: Organizing and taking new photo points at phase I and II of 6 Ranch projects for presentation and future monitoring. This is one step in a larger plan to evaluate vegetation plans at projects and assessing how objectives were met and where we can learn. The presentation was shared at the June IT meeting. Partners participation and support has been widespread.

G. 115: Produce Inventory or Assessment

(G. 115) 1. Coordinate collection, dissemination and storage of GIS data to support partners per request process

- Kayla Morinaga - Week 2 of June: Worked with Alex on the concept of a monitoring Web App that shows what type of monitoring is being done, where, by whom, and the years. This would be similar to the Atlas habitat data Web Apps but be updated yearly and is a tool some of the partners have requested.
- Alex Towne - Week 4 of June: Gather gradient data and resources for Ian (GRMW) and Shane (ODFW). Create layer package with gradient bins based on beaver dam suitability. Export clipped shapefiles for sharing. Download Union

County tax lots for 2020. Join table and export to shapefile and kmz to share with Levi Old (TU). Work on updates for AqI survey in Survey123.

- Alex Towne - Week 1 of June: KMZ files for Levi Old at TU: PLSS data and tax lots for Wallowa County.
- Ian Wilson - Week 1 of June: Working with Alex on BRAT 2.0 and talking about developing 3.0. The newer version of the model will help correct stream layers and may be better for updating with field data. An updated BRAT model could serve as a better tool for planning restoration and restoring beavers on the landscape. The BRAT model is shared through a partner login to the GRMW GIS web apps. Partners value the importance of restoring beavers and the associated benefits.

(G. 115) 2. Create/modify/prepare map products and process data in support of project partners, opportunity leads and Atlas assessment, implementation activities per request process

- Connar Stone - Week 3 of July: Processed imagery from 2020-7-14 Spring Creek and sent results to Alex.
- Connar Stone - Week 3 of July: Processed imagery from 2020-6-2 Wallowa Baker. Sent results to John Baker and Ian Wilson.
- Connar Stone - Week 2 of July: Processed 2020-7-8 Whiskey Creek flight imagery. Shared results with Jesse.
- Connar Stone - Week 2 of July: Processed the 2020-7-1 Sheep Creek flight imagery and sent results to Levi Old via FTP link.
- Connar Stone - Week 1 of July: Charged equipment and flew Sheep Creek as requested by Levi Old for low-flow comparison.
- Connar Stone - Week 5 of June: Processed orthomosaic for MUGR from 2020-6-10 using google earth GCPs and sent results to Sean Welch at BPA and Allen Childs at CTUIR.
- Connar Stone - Week 1 of June: Processed 2020-4-28 Limber Jim Creek Imagery in Pix4D using Google Earth GCPs.
- Alex Towne - Week 3 of July: Make edits to Longley Meadows map and finalize. Work on stream line editing for BRAT 3.0
- Alex Towne - Week 2 of July: Map of water quality assessment sites. Map of Longley Meadows project reach for macro invertebrate data collection workshop.
- Alex Towne - Week 1 of July: Work on map series for Sheep Creek LWD design. Call with Levi to discuss design. Make map of Spring Creek AqI survey area to be printed in large format.
- Alex Towne - Week 4 of June: Start work on design sheets for Sheep Creek LWD.
- Alex Towne - Week 3 of June: Work on updating AqI survey123 forms for 2020 survey. Create mobile map package for Spring Creek AqI survey.
- Alex Towne - Week 1 of June: Map disinterested landowners who are known to deny access through their property.

(G. 115) 4. Provide GIS support for partners and assure access to data and products

- Alex Towne - Week 5 of July: Classify HSI rasters and find area within each class.
- Alex Towne - Week 5 of July: Export table of streams with names from NHD per request from a member of the public interested in streams names for a writing project.
- Alex Towne - Week 3 of June: Complete georeferencing of DWG files on Sheep Creek and convert to gdb and kmz.

- Alex Towne - Week 2 of June: Start work on georeferencing DWG files in ArcGIS for Levi Old at TU. Call with Levi about CAD design and project design options with ArcGIS.
- Alex Towne - Week 1 of June: Drone flights in Wallowa County.
- Ian Wilson - Week 4 of June: Working with Alex to get stream gradient shape files for ODFW to plan beaver surveys. ODFW narrowing their survey area for beavers by stream gradient as reported in peer-reviewed literature. GIS technician, Alex Towne shared shape files and the Wallowa County Project coordinator shared these with the Assistant District Wildlife Biologist at ODFW. Partners appreciate the technical knowledge and GIS support to help accomplish surveys.

(G. 115) 5. Georeferenced aerial imagery

- Connar Stone - Week 3 of July: Charged equipment and returned to Wallowa County to fly 6 ranch project. Captured phase I and phase II imagery and documented juniper removal using previously set photo points. Sent photos to Ian.
- Connar Stone - Week 2 of July: Charged equipment and flew Whiskey Creek Courtney Restoration Project.
- Connar Stone - Week 2 of July: Charged equipment and returned to Wallowa County to fly Upper Wallowa River Restoration and 6 Ranch project. Successfully captured imagery on Upper Wallowa River Restoration, but winds at 6 ranch exceeded acceptable limits, hitting gusts upwards of 25 mph. 6 Ranch flight rescheduled for next week.
- Connar Stone - Week 4 of June: Coordinated with Ian to put together a pre-project flight plan for the Upper Wallowa River Restoration project and to adjust the flight plan for 6 Ranch for a follow-up flight documenting juniper removal.
- Connar Stone - Week 2 of June: Prepared UAS equipment, coordinated with BMIDC, and flew MUGR as per Allen Childs' request from last week.
- Connar Stone - Week 1 of June: Traveled to Wallowa and flew the following projects: Wallowa Baker, Wallowa McDaniel, Wallowa Wilson.
- Connar Stone - Week 1 of June: Adjusted drone flights for Wallowa projects in preparation for trip to Wallowa. Project to fly include: Tamkaliks, Wolfe Wetland, Lostine Town Project, Wallowa Baker, Wallowa Wilson, and Wallowa McDaniel.
- Connar Stone - Week 1 of June: Charged and prepared UAS equipment in anticipation for Wallowa flights. Coordinated plan to fly with BMIDC.
- Connar Stone - Week 1 of June: Received a request from Allen Childs to fly MUGR at lower flows. Planning to fly next week.

H. 160: Manage GRMW Project Database & Website Interface

(H. 160) 1. Monitor and maintain GRMW website (www.grmw.org). Expand the GRMW website to show GRMW Project Summaries, the Grande Ronde Basin Project Database and Step Wise Process Projects.

- Connar Stone - Week 4 of July: Added projects to GRMW database.
- Connar Stone - Week 2 of July: Detected brute force attack on website server from IP address 45.143.220.55. IP reported to domain administrator/ISP and blocked from website server.
- Connar Stone - Week 1 of June: Levi Old inquired about using the GRMW FTP to transfer a 6GB file from Brett Yaw. Set up a shared link for Levi and Brett to use for the purpose of transferring the file.

- Connar Stone - Week 1 of June: Blocked unauthorized ip address, 195.54.160.183, from connection to website/FTP server. User attempted brute force attack—reported IP to listed host service.

I. 99: Outreach and Education

(I. 99) 2. Coordinate with RM&E projects within the Grande Ronde basin, ensure participation, presenting latest results from previous years data findings.

- Kayla Morinaga - Week 5 of July: Coordinated with Casey Justice of CRITFC about the potential for a stream temperature database and requested an updated shapefile of the locations temperature locations in the Grande Ronde basin because he has basically a master list. Casey said he will not have time to maintain the stream temperature master list moving forward, so it is something GRMW is considering taking on.

J. 99: Outreach and Education

(J. 99) 1. Coordinate GRMWP participation in the Union and Wallowa County Educational & Volunteer activities

- Kayla Morinaga - Week 5 of June: Submitted a progress to NOAA Fisheries for the Legacy Heritage Grant that we received in partnership with NOAA to fund the Freshwaters Illustrated film crew to make a short educational film about the basin. The film was supposed to be completed in June 2020 but the crew asked for an extension so we could capture more Native American footage. Then COVID-19 hit and every opportunity they were going to film was cancelled, so we're exploring other options.
- Kayla Morinaga - Week 1 of June: Finished the Woodlands and Watershed Festival handout for the annual event in Wallowa County that was improvised this year to be a handout bag only due to COVID-19. We did a coloring contest sheet.

(J. 99) 3. Provide informational and educational materials to organizations and schools

- Connar Stone - Week 2 of June: Ian put together a GOSTEM video at the request of Cari Castleton Lowe for the purpose of getting some distance education outreach to GOSTEM students who cannot meet now due to COVID. Uploaded the video to our youtube channel so that it could be sent to Cari and shared with students.
- Ian Wilson - Week 1 of June: Producing and editing a video describing how the Wallowa County Project Coordinator works with watersheds, stream restoration and photo point monitoring for the greater Oregon STEM online learning program facilitator. The video was uploaded to GO-STEM and will be used as part of an interactive learning module for 4-6 graders, highlighting science and professional job opportunities. The video is shared on GRMWs social media outlets as well as through GO-STEM. Feedback has been positive from partners.

(J. 99) 4. Promote the program's mission and activities through the media (newspaper, radio).

- Ian Wilson - Week 3 of June: Soliciting advice from board member on forest health and salmon recovery video being considered for a GRMW social media post. The end product was valuable input from the board member and another basin partner that have more familiarity with Forest policies how this video can be interpreted. This was the GRMW Executive Directors idea and it was decided not to share the video based on the input received.

- Ian Wilson - Week 1 of June: Sharing beaver literature with GRMW staff to be posted/shared on our social media platform. Literature contained a PhD dissertation related to the cooling benefits of beaver dam complexes and the Tulalip Tribes relocation efforts. The same literature was also shared with Wallowa IT members. Partners understand the ecological benefits of beavers for terrestrial and aquatic life and appreciate recent science and data. Member of the public are more skeptical of beavers and benefit from learning how they can help restore watersheds in line with GRMWs mission.

(J. 99) 6. Assist other agencies in their educational/volunteer activities.

- Ian Wilson - Week 4 of July: Working on TU outreach effort. The end product will be a featured story on how river restoration and partner efforts can restore rivers and promote healthy lands. The final product will be shared through TU social media outlets and likely GRMW social media platforms as well. Outreach and positive stories about river restoration are key to promoting future work. Coordinating volunteer efforts with Union County Project Coordinator and Wallowa County Partners. The end result will be finding work for volunteers from Union County. Information was communicated through group emails. Volunteer help is always welcome by partners.
- Ian Wilson - Week 3 of July: Delivering GRMW hats to coloring contest winners from the Wallowa County Watershed and Woodland Festival. The Grande Ronde Model Watershed has been a long-time partner and participant in the Wallowa County Watershed and Woodland Festival. Partners appreciate the opportunity to work with the community on natural resource education. Working on TU outreach effort. The end product will be a featured story on how river restoration and partner efforts can restore rivers and promote healthy lands. The final product will be shared through TU social media outlets and likely GRMW social media platforms as well. Outreach and positive stories about river restoration are key to promoting future work.
- Ian Wilson - Week 2 of July: Working with Wallowa Land Trust and the Nez Perce Tribe to host an outreach event at Lostine Wetland and Side Channel project site as part of the Wallowa Land Trust Summer Outing events. I will co-host the site tour and share GRMWs perspective on stream restoration with interested members from the public. The event will be shared through Wallowa Land Trust media sources as well as potentially a Ripples article and the Wallowa IT. Partners are supportive of collaboration and expertise associated with the outing event.
- Ian Wilson - Week 3 of June: Coordinating educational materials with the Union County outreach coordinator to be dropped off for the watershed festival. Materials will be distributed at various locations in Wallowa County as part of the annual watershed festival. The Grande Ronde Model Watershed has been a long-time partner and participant in the Wallowa County Watershed and Woodland Festival. Partners appreciate the opportunity to work with the community on natural resource education.
- Ian Wilson - Week 2 of June: Preparing photos for Wallowa County Watershed festival handout material and talking with Jessica Tomasini from Wallowa Resources about distributing materials for watershed festival. The end product will be preparing educational materials to Wallowa Resources for distribution at the watershed festival. Partners are happy to have GRMWs continued support of this popular event in Wallowa County. Working on story of Wilson Haun project for TU outreach effort. The end product will be a story of the river vision as a featured story of TU and partner efforts to restore rivers and promote healthy lands. The final product will be shared through TU social media outlets and likely GRMW social media platforms as well. Outreach and positive stories about river restoration are key to promoting future work.
- Ian Wilson - Week 1 of June: Planning outreach call with Levi and TU communications staff on restoration planning at Wilson Haun. The end product will be a TU 'featured project' story of goals, vision of working lands and

restoration plans at the Wilson Haun site. Information will likely be shared on one of GRMWs social media outlets. Partners are supportive of positive press related to restoration work.

K. 99: Outreach and Education

(K. 99) 1. Rippled - Winter

- Ian Wilson - Week 3 of June: Delivering Ripples Winter publication to local businesses in Wallowa County. The end product is distributing the Grande Ronde Model Watersheds publication that highlights river restoration work. Community members have expressed satisfaction at reading and learning from Ripples publications.
- Ian Wilson - Week 2 of June: Delivering Ripples Winter publication to local businesses in Wallowa County. The end product is distributing the Grande Ronde Model Watersheds publication that highlights river restoration work. Community members have expressed satisfaction at reading and learning from Ripples publications.

L. 119: Manage and Administer Projects

(L. 119) 1. Manage and administer this BPA contract, includes: SOW renewal package - budget and property inventory, and invoicing as well as submitting final invoice 90 days after expiration of previous contract for close out purposes.

- Mary Estes - Week 5 of July: Paid for repair of dry suits. Worked with this vendor and the bank because the bank declined payment. Checked online banking for transactions. Wrote checks out to vendors. Entered QuickBooks and spreadsheets. Renewed our domain name with EONI.
- Mary Estes - Week 4 of July: Ordered office supplies. Finalized draft meeting minutes for the financial committee meeting and the Board meeting. Called Allstate Insurance Company regarding their current billing and why the increase. Checked online banking for new transactions. Prepared invoices for approval. Wrote checks out to vendors. Entered transactions into QuickBooks and on spreadsheets.
- Mary Estes - Week 3 of July: Wrote checks out to vendors. Made deposits into bank account. Billed BPA 79905-006 this contract. Updated SAM, ASAP and Grants.gov profiles. Entered vehicle mileage on GSA website. Inquired about drone insurance. Entered transactions into QuickBooks and on spreadsheets. Purchased drone, etc and worked with the bank on the large purchase.
- Mary Estes - Week 4 of June: Emailed Board Members Board meeting information. Wrote checks out to vendors. Took minutes at the financial committee meeting and Board meeting. Checked online banking. Entered transactions into QuickBooks and on spreadsheets. Took mail to the post office. Started working on the meeting minutes. Sent Norm Cimon an electronic copy of the 2019 audit document. Made deposit in the donation account.
- Mary Estes - Week 3 of June: Copied project proposals for the Board meeting. Wrote out checks to vendors. Entered into QuickBooks and Spreadsheets. Called Elgin Community Center, Yvonne Roberts and the Board Members regarding holding the Board and financial committee meetings remotely. Renewed our SAM profile. Checked online banking. Hand delivered Board meeting information to Board Members.
- Mary Estes - Week 2 of June: Billed BPA on this contract. Emailed Board Members regarding attendance for the Board meeting. Pulled GSA invoice on VCSS. Prepared invoices for approval. Reconciled in QuickBooks for donation and main account. Filed papers in the project files. Straightened up office. Wrote checks out to vendors. Entered transactions into QuickBooks and on spreadsheets. Sent information to the financial committee for the upcoming

meeting. Went to BiMart for office supplies. Met with Yvonne Roberts, CPA, and performed the submission of our 2019 audit and made journal entries in main account and donation account. Copied project proposals for Board meeting. Worked with CivilGEO and Community Bank in making a large purchase.

- Mary Estes - Week 1 of June: Emailed Yvonne Roberts, CPA, to present the 2019 audit to the Financial Committee. Emailed Financial Committee the meeting agenda. Emailed Board Members in regards to their Board meeting packets. Called Allstate insurance company to add Marisa to the vehicle insurance. Prepared invoices for approval. Checked online banking for transactions. Wrote out checks to vendors. Entered transactions into Quickbooks and on spreadsheets. Checked VCSS for vehicle monthly invoice.

(L. 119) 2. Perform all administrative office support for the GRMW

- Mary Estes - Week 5 of July: Billed OWEB on grant 216-8205-15451 Bowman.
- Mary Estes - Week 5 of July: Billed OWEB on grant 216-8205-15451 Bowman.
- Mary Estes - Week 3 of July: Billed BPA 79905-001 Catherine Creek Hall Ranch. Billed BPA 79905-004 Gauging Stations. Responded to Aric Johnsons, Forest Service, question on final billing for Sheep Creek fencing projects. Sent email to Winston regarding report due on the Fly Creek project.
- Mary Estes - Week 4 of June: Ordered GPA booster for Kayla.
- Mary Estes - Week 3 of June: Entered new employee into E-Verify system. Checked OWEB OGMS system on reports and extension.
- Mary Estes - Week 2 of June: Sent landowner agreement to Andrew, OWEB, for the Catherine Creek Hall Ranch grant. Submitted the extension request on OGMS for Catherine Creek Hall Ranch.
- Mary Estes - Week 1 of June: Worked with Jesse, Winston and Andrew on an extension on OWEB grant 218-8205-16561 Catherine Creek Hall Ranch. Read articles on beavers from Ian. Billed OWEB on grant 218-8205-16561 Catherine Creek Hall Ranch. Billed BPA on contract 79905-001 Catherine Creek Hall Ranch Design.
- Kayla Morinaga - Week 1 of July: Corresponded with, prepped and mailed in dry suits for repair to USIA.
- Connar Stone - Week 1 of July: Sent Linode (hosting service site) invoice to Mary.
- Connar Stone - Week 4 of June: Distributed project list spreadsheet for Kayla and Ian to update and share at the next board meeting.
- Connar Stone - Week 3 of June: Set up a new work account/email for Marissa, the new stream surveyor for this year, who will be working with Shannon Power—our repeat stream surveyor from last year.
- Connar Stone - Week 3 of June: Set up GoToMeeting Call for the 2020-6-23 Board Meeting Conference Call.

(L. 119) 4. Maintenance of office equipment (PCs, network, phones, printers)

- Connar Stone - Week 3 of July: Alex's computer stopped printing on the 42in DesignJet. Even printing from another PC does not work. Whenever she opened the print option for Photoshop, the program would crash. Come to find out, HP no longer supports the driver for this printer and neither does Photoshop it seems. Printing from Microsoft Photo Viewer yields similar results, but after downloading and configuring print settings using an alternative photo editing software called GIMP (this is a free image editing program) the 42in plotter now prints again. This was the only workaround I could find—even after running through HP's laborious troubleshooting guide and upgrading the plotter's installed RAM, which did next to nothing. It may be time to replace this plotter in the very near future.

- Connar Stone - Week 2 of July: Assisted Levi Old with a color rendering issue in ArcMap concerning the 2020-7-1 Sheep Creek imagery.
- Connar Stone - Week 1 of July: Charged equipment and traveled to Wallowa County to attempt to fly Upper Wallowa River Restoration and 6 Ranch project, but technical issue with drone impaired the capture of imagery. Upon returning to the office I determined the SD card had been corrupted and required a replacement. Replaced the SD card and now the drone takes photos as normal. Rescheduled flights for Wallowa County for next week.
- Connar Stone - Week 3 of June: Ordered and installed new conference phone. Old conference phone had been exhibiting continuous issues: intermittent connections, power cycling, and poor audio quality. The old conference phone had been repaired numerous times, but is not reliable for continuous use. GRMW will retain the old conference phone as a backup in the event that the new phone cannot be used due to situations such as an internet outage.
- Connar Stone - Week 1 of June: Helped Ian with Bad Gateway issue connecting to grmw.ftp.org.

(L. 119) 5. Ensure completion of Pisces quarterly status reports and completion reports for GRMW funded projects. Note: This WE should not include all overhead/indirect for all contract actions. The only overhead/indirect that should be associated with WE L is the overhead/indirect that it takes to accomplish the Milestones in WE L. For example, the staff time needed to complete invoicing to BPA would include the overhead/indirect associated with those staff hours and be part of the WE L WE Budget Estimate. Overhead and indirect for all other contract actions should be divided among the various WEs, depending on the staff time, equipment and travel needs for each respective WE.

- Kayla Morinaga - Week 5 of July: Update work elements in CBfish for gauge station contract. Gathered more information for environmental compliance for a Categorical Exclusion (CE) to cover NEPA for the gauges funded by this contract. Contacted the Wallowa-Whitman National Forest to see if they have NEPA on the gauges on the National Forest; they do but they are in hard copy format in the office and the environmental coordinator is not working in the office due to COVID-19, so she will get them to us when she has a chance.
- Kayla Morinaga - Week 3 of July: Completed and submitted gauge station contract status report in CBfish

M. 141: Produce Other Report

(M. 141) 1. Prepare bi-monthly accountability reports and submit to BPA GRMW Project Team (Sean Welch & Tracy Hauser) via e-mail. Several months may be combined for efficiency when warranted. Once PM has reviewed, the reports will be uploaded to PISCES

- Kayla Morinaga - Week 2 of June: Worked on BPA Accountability Report
- Connar Stone - Week 5 of July: Worked on BPA Accountability Report.
- Connar Stone - Week 3 of June: Completed BPA accountability report for April/ May and sent to Tracy.
- Alex Towne - Week 2 of June: April/May accountability report
- Ian Wilson - Week 5 of July: Preparing bi-monthly accountability report to be submitted to BPA pm by updating weekly duties. End product will be a completed bi-monthly report for review. Final document will be uploaded to Pisces. Review is primarily internal in nature and not from partners from my understanding.
- Ian Wilson - Week 4 of July: Preparing bi-monthly accountability report to be submitted to BPA pm by updating weekly duties. End product will be a completed bi-monthly report for review. Final document will be uploaded to

Pisces. Review is primarily internal in nature and not from partners from my understanding.

- Ian Wilson - Week 2 of July: Preparing bi-monthly accountability report to be submitted to BPA pm by updating weekly duties. End product will be a completed bi-monthly report for review. Final document will be uploaded to Pisces. Review is primarily internal in nature and not from partners from my understanding.
- Ian Wilson - Week 4 of June: Preparing bi-monthly accountability report to be submitted to BPA pm by updating weekly duties. End product will be a completed bi-monthly report for review. Final document will be uploaded to Pisces. Review is primarily internal in nature and not from partners from my understanding.
- Ian Wilson - Week 2 of June: Preparing bi-monthly accountability report to be submitted to BPA pm by updating weekly duties. End product will be a completed bi-monthly report for review. Final document will be uploaded to Pisces. Review is primarily internal in nature and not from partners from my understanding.

N. 132: Produce Annual Progress Report

(N. 132) 7. Project monitoring activities

- Connar Stone - Week 5 of July: Pulled latest Hall Ranch imagery for Catherine Creek for the stream surveyors. Overlaid over google maps and printed for their reference in the field.
- Connar Stone - Week 4 of July: Assisted Kayla with Survey 123 Forms. Made minor changes to simplify field work. Redownloaded updated forms to tablets.
- Connar Stone - Week 3 of July: Charged equipment and flew Spring Creek to support 2020 summer survey effort.
- Connar Stone - Week 3 of July: Using GlobalMapper, sent image depicting the ATV damage on Spring Creek to Kayla.
- Connar Stone - Week 1 of July: Updated Quad IDs for Reach form in Survey 123 for summer survey work.
- Connar Stone - Week 5 of June: Updated Survey 123 forms as requested by Shannon and Kayla.