



## - Accountability Report

August - September

### **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.*

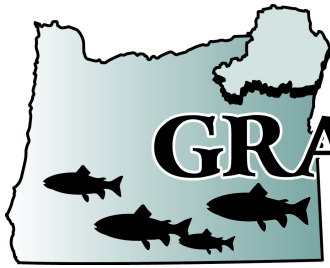
The Executive Director supervises and directs all activities of the GRMWP staff including accomplishment of all of the work elements delegated to various staff. The Director accomplishes Work Element "Regional Coordination" which includes coordination, committee participation, task force participation, 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)

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

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

**List Monthly Training & Travel:**



# GRANDE RONDE

## MODEL WATERSHED

### Staff - Accountability Report

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*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 September: Coordinating cultural resource information for Wilson Haun with Nez Perce Tribe, Trout Unlimited and BPA. The end product will be a cultural resource survey performed in the fall of 2020. Project updates are shared at monthly IT meetings. Partners appreciate coordinated effort of resources to accomplish project goals.
- Ian Wilson - Week 1 of September: Cultural resource coordination with TU, BPA and NPT. GRMW coordinator shared APE shape file with BPA archeology staff and coordinated survey dates with NPT habitat project lead for the Wilson Haun project. Leveraging local resources and action agency staff should expedite survey work and keep the project on track. Partners are working together and demonstrating good collaboration on this effort.

#### **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 4 of September: Coordinated with USFS employees to get more hard copy stream survey data to go through looking for the location of sediment data collection sites.
- Kayla Morinaga - Week 4 of September: Worked on GRMW Board Annual Planning meeting presentation
- Kayla Morinaga - Week 4 of September: Got in touch with Erika Brigante of the ODFW fish pathology department to see what kind of testing they do on fish to see if it could compliment the water quality assessment. It turns out that they only test for biological parameters, so it isn't super useful for the assessment, but making the connection with someone at that department is good information to have.

- Kayla Morinaga - Week 3 of September: Worked on presentation for GRMW Board Annual Meeting
- Kayla Morinaga - Week 2 of September: Coordinated with contractor on upcoming Water Quality Assessment
- Kayla Morinaga - Week 1 of September: Participated in conversations with the USFS on the potential implications of a Wild and Scenic River designation on a segment of stream that is proposed to be restored. Learned that doing restoration in a Wild & Scenic designated section of stream on the National Forest requires consultation at the Regional level, but likely that would be the only hold up. Some folks have proposed new sections of stream be designated through Senator Wyden's call for nominations earlier this year and asked for our support, so I researched the potential impacts.
- Kayla Morinaga - Week 1 of September: Talked with local USFS staff about Headwater Small Stream project monitoring. Had conversations about water temperature and stage loggers and reached out to CRITFC staff for their input.
- Kayla Morinaga - Week 4 of August: Worked on assembling sediment data for Wolf Water Resources analysis.
- Kayla Morinaga - Week 3 of August: Worked with USFS biologist performing Columbia spotted frog PIT tagging, a Region 6 sensitive species, to learn more about their range in the upper Grande Ronde Mine Tailing Reach project area, the habitat they prefer, and their presence being an indication of good water quality. This is year 3 of a mark/recapture program on this spotted frog population which seems to be healthy, but there is worry about what the stage 0 restoration approach will do to their habitat since they need disconnected ponds for breeding and egg incubation.
- Kayla Morinaga - Week 3 of August: Worked on assembling sediment data for Wolf Water Resources analysis.
- Kayla Morinaga - Week 2 of August: Shared all background information and contact people I dug up on water quality monitoring in connection with fish health to Dana Kurtz of Anderson Perry & Associates.
- Kayla Morinaga - Week 2 of August: Dug through digital substrate data files from the Forest Service looking for coordinates for Wolman Pebble Count data. Didn't find very many but worked with Alex on making them into a shapefile to share with Nick Legg of Wolf Water Resources for the sediment analysis. Since so little data was found in these digital files I had to request that hard copy survey files from the La Grande Ranger District to find more information on substrate data collection sites. I asked the FS to assist with this work but they did not have the capacity.
- Kayla Morinaga - Week 1 of August: I was contacted by the La Grande Ranger District Timber Stand Improvement (TSI) gentleman who was requesting information on projects we had completed and planned in the upper Catherine Creek area that were near the National Forest. I fulfilled his request and he was using the information for an application for funding.
- Kayla Morinaga - Week 1 of August: Worked with Nick Legg of Wolf Water Resources to collecting on the ground sediment data to assist in his sediment analysis for the Upper Grande Ronde. I sent him the PIBO data that we recently received through another request for data and had to request additional D-size data from the PIBO team. Once I received it I forwarded it on to Nick.
- Connor Stone - Week 4 of September: Crafted large email to the Bird Track Springs Thermal Refuge Study group which included a link to all products generated by the drone flights on the project site during the 2020-7-29 flight. The email summarized the work performed on Bird Track Springs in reference to the drone and detailed the purpose of each file included in the data drop.
- Connor Stone - Week 3 of September: Coordinated with Levi Old with TU concerning the possibility of flying Sheep Creek again, but as with Wallowa-

Baker, there is still quite a bit of smoke in the air, which will obscure the imagery. In the case of the Upper Grande Ronde, a fire has cropped up out near Ukiah, which means a large increase in air traffic in the area. At this point, it is perhaps best to wait a couple days or so and check on conditions again before flying. Levi is seeking imagery to put together an orthomosaic to compare with previous imagery at a similar time of year.

- Connar Stone - Week 5 of August: Sent processed imagery from 2020-7-29 for Bird Track Springs to CTUIR and also to Nick Danis at CARDNO as per his request. This was the imagery collected for the 2020-7-29 Thermal Refuge Study effort.
- Connar Stone - Week 1 of August: Presented metric comparison of Dry Creek, UGR MUGR, and UGR Woodlee to Sean Welch @ BPA. Discussed findings concerning the loss of metrics in the process of moving from the proposal phase to implementation to the reporting of those metrics to BPA. Sent applicable slides from presentation to Sean as per his request.
- Alex Towne - Week 2 of August: Zoom meeting with Jesse and Seth White to go over LiDAR footprint mapping for additional flights in Wallowa County.
- Ian Wilson - Week 5 of September: 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. Discussing Wallowa basin capacity with liaison Al Simpson of BOR. Exploring the possibility BOR providing assistance in the Wallowa basin and what would be the best approach. I will introduce the idea to the Wallowa IT, get feedback and invite Al to speak at the next IT. Expanding partnership capacity in the Wallowa basin would be beneficial to an area with a large area of tier I projects and species of concern. Getting access for AEM crew to the 6 Ranch to collect lidar data with their drone. Follow up monitoring provides critical information for understanding habitat actions and adaptive management strategies that maximize effectiveness. Coordination between local landowners and monitoring crews was successful and the data will be collected in mid-October.
- Ian Wilson - Week 3 of September: 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. Attend Union County IT to hear presentation by Phil Roni on AEM. Large wood most effective when it engages the channel and water at low velocities and across the channel. AEM results can help guide effective restoration efforts. Partners appreciate monitoring efforts that can shape and improve restoration objectives. Analyzing stream temperatures on the 6 Ranch for change detection associated with the restoration work. This is part of a larger effort to evaluate planting plan objectives, outcomes and lessons learned for future vegetation plans. This information will be shared at Wallowa IT meetings. Partners are supportive of evaluating past and planned project vegetation plans for effectiveness and adaptive management approaches. Working with ODFW district fish biologist to speak at upcoming GRMW board meeting about the Wallowa Lake Dam. Jeff Y. will speak at the October board meeting and give a brief update on where things stand with regards to funding, MOU and future plans. Board members and GRMW staff are interested in the Wallowa Lake Dam and progress towards reconstruction.
- Ian Wilson - Week 1 of September: 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. Updating restoration comparable table of selected bid activity items from recent bids and communications among partners. The comp table can be used by partners when planning budgets and preparing bid documents for restoration projects. The excel file was shared via email to IT members. Grande Ronde Basin partners appreciate this effort by GRMW to provide realistic cost on activity types. Working with Union County Project Coordinator to brainstorm potential interests for Oregon Conservation and Recreation Funds. I will add the deadline and link to the online application at our September IT meeting. Mike Hansen, formerly of ODFW will be pursuing some of these funds to support the online inaturalist beaver survey project in NE Oregon. Installing and working with HSI tool ahead of Kai Ross presenting at Wallowa IT meeting. Wallowa County Project coordinator is becoming familiar with new habitat suitability tool to develop a better understanding and formulate questions for Kai at IT meeting. The HSI tool will not only be valuable for partners but possibly engineering firms as well. Updating presentation with actual objectives, planting plans and results of vegetation monitoring at 6 Ranch for Wallowa Atlas presentation. Original plans were to meet in the field with partners and evaluate objectives, however, restrictions limited this opportunity and more remote options were pursued. 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 September. Partners are supportive of evaluating past and planned project vegetation plans for effectiveness and adaptive management approaches.

- Ian Wilson - Week 4 of August: 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 presentation on the planned and past activities of the Wallowa County Project Coordinator for the GRMW annual planning meeting. The end product will be a 10-15 minute power point presentation in October given to the GRMW board members. Board members have shown an interest in hearing from GRMW staff with a focus on planned activities for the next year. Follow up communication with Cramer Fish Sciences to see how the data collection, and access went this summer while they were working on the 6 Ranch. Continued support and coordination between resource agencies and local landowners by the Wallowa County Project Coordinator is effective at building long-term and trusting relationships that are valuable to gain insight from project monitoring. Partners appreciate contacts and communication of project coordinator. Updating restoration comparable table of selected bid activity items from recent bids and communications among partners. The comp table can be used by partners when planning budgets and preparing bid documents for restoration projects. The excel file was shared via email to IT members. Grande Ronde Basin partners appreciate this effort by GRMW to provide realistic cost on activity types. Installing and working with HSI tool ahead of Kai Ross presenting at Wallowa IT meeting. Wallowa County Project coordinator is becoming familiar with new habitat suitability tool to develop a better understanding and formulate questions for Kai at IT meeting. The HSI tool will not only be valuable for partners but possibly engineering firms as well.
- Ian Wilson - Week 3 of August: 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. Cancelling in-person planting objectives tour with IT partners. A low response to doodle polls, a busy field season and travel restrictions have made an in-person tour untenable. Instead we will continue to explore review of planting objectives at monthly IT meetings attended remotely. Partners are supportive of learning from past experience and adaptively learning from riparian planting plans. Attended Grande Ronde Atlas IT to observe presentations on HSI, cultural programmatic and UGR sediment study. A better understanding of what each of these topics was gained and a planned HSI presentation at an upcoming Wallowa IT meeting. Kai Ross of Cramer Fish Sciences will present at an upcoming Wallowa IT meeting, sharing and explaining how the HSI tool works for partners. Having a habitat suitability index tool for project planning and evaluation is a valuable tool provided by GRMW to Grande Ronde partners. Updating restoration comparable table of selected bid activity items from recent bids and communications among partners. The comp table can be used by partners when planning budgets and preparing bid documents for restoration projects. The excel file was shared via email to IT members. Grande Ronde Basin partners appreciate this effort by GRMW to provide realistic cost on activity types. Updating presentation with actual objectives, planting plans and results of vegetation monitoring at 6 Ranch for Wallowa Atlas presentation. Original plans were to meet in the field with partners and evaluate objectives, however, restrictions limited this opportunity and more remote options were pursued. 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 September. Partners are supportive of evaluating past and planned project vegetation plans for effectiveness and adaptive management approaches.

- Ian Wilson - Week 2 of August: 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. Conference phone call with Jesse and Alex to discuss areas in Wallowa County that we could add to the planned lidar flight. The end result was a combination of using intrinsic potential and local knowledge to expand the planned lidar flight in Wallowa County. Partners understand the value of having updated lidar data to inform models and help plan restoration work. Information will be shared at IT meetings.
- Ian Wilson - Week 1 of August: 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. 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. Attending remote conference call to review GRMW metrics with BPA and GRMW. The purpose of the meeting is to compare reported metrics with stated goals and either make corrections or develop methods to make reporting easier and more precise. Accurate reporting ensures BPA gets appropriate credit for mitigation work. Partners will be involved in reviewing past project metrics. It is anticipated that limiting confusion through multiple reports may improve results. Helping TU with discharge measurement plans and installation of automated sensor. The end

result will be TU piloting an automated flow monitoring device that can be used to verify compliance with in-stream water leases. Information will be shared with the IT at regular monthly meetings. Basin partners recognize the importance of monitoring in-stream leases to ensure compliance.

**(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 2 of September: Participated in a Collaborative Forest Landscape Restoration Project (CFLRP) webinar put on by the USFS because the Wallowa-Whitman and Umatilla National Forests were awarded a CFLRP for the Northern Blues Fuels Reduction project that spans vast geographic areas on the forests. My interest is due to the potential to partner up to get fuels slash material (small diameter trees), potentially to use for stream restoration projects. These types of fuels are generally piles and burned, so if we can find a way to utilize fuels from units that are close to project areas I think it would be a great deal for both our program and the FS since pile building and burning are costly to them. I have been in talks with the local district ranger and he is aware of our interest and is looking for opportunities to collaborate.
- Kayla Morinaga - Week 2 of August: Answered questions that bidders on the GR Valley Water Quality Assessment had.
- Kayla Morinaga - Week 1 of August: Participated on a call with the USFS RAT and local USFS staff on the Mine Tailings project objectives. I requested more information on piezometer installation rules from the RAT team.
- Alex Towne - Week 3 of September: Goto meeting with Suzanne Fouty and Ian to discuss BRAT model.
- Ian Wilson - Week 5 of September: Attending lands committee meeting with Wallowa Land Trust to help answer questions related to the Wolfe Wetland project. Geo Engineers PM Jason Scott gave a short presentation to the committee. Partners appreciate support and technical advice from Wallowa County Project Coordinator. Fostering positive working relationships among basin partners is a critical role of the Wallowa County Project Coordinator. Typing up notes and updating sites visited with BRAT data from beaver tour. The end product will be summarizing discussions in the field and looking at BRAT model outputs compared to field conditions for assessing model performance. Information will be shared at the June IT meeting. Partners are supportive of testing assumptions, model effectiveness and answering questions related to beaver habitat restoration. Conference call to discuss Oregon Conservation and Advisory Fund for inaturalist NE Oregon beaver survey. GRMW will be the applicant and Mike Hansen crafted the proposal to be submitted. If awarded the grant would fund administration of the site for Mike Hansen for 1 year to provide baseline data on beaver presence and habitat in northeast Oregon. Partners are very supportive of this effort recognizing the paucity of data related to beavers and the important role beavers play in creating habitat for fish and wildlife.
- Ian Wilson - Week 4 of September: Preparing and materials and hosting beaver habitat suitability field trip in Wallowa valley. Beaver habitat suitability field site tour to investigate available habitat and cross reference BRAT, beaver trapping and recent beaver sign with ODFW, WR, GOHCC and FS. 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.
- Ian Wilson - Week 3 of September: Reading beaver petition submitted to ODFW by various groups seeking to eliminate trapping on public lands in Oregon. If

successful, a ban trapping beaver on public land would potentially lead to increased dispersal and seed source of beavers on the landscape. Information shared with beaver working group. There are some good arguments in support of not trapping beaver on public land in Oregon and how this translates into improved watershed health on multiple levels. Coordinating information on spring BRAT field visit to North end of WW forest and hosting meeting with Suzanne Fouty and Alex (GRMW) to discuss current BRAT outputs for Wallowa Mountains. Suzanne felt the version 2.0 results were falsely showing higher than would be expected number of dams/km based on the steep slopes on the North escarpment. The current version showing on the web app only accounted for existing vegetation. Alex changed the display to reflect all inputs and the model performed more closely to what is expected.

- Ian Wilson - Week 2 of September: Took survey of Snake River and Big/Little Sheep Creeks for NRAC Salmon Plan purposes. 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 1 of September: Coordinating beaver site visit on private property with basin partners. The end product will be examining habitat suitability based on vegetation, off-channel habitat and use and comparing with BRAT results. These data will be used to get a better understanding of where beavers are on the landscape and ways we can encourage their distribution for habitat benefits. Partners recognize the benefits of beaver created habitat and support this effort.
- Ian Wilson - Week 4 of August: Attending training on macroinvertebrate sampling protocol with Pat Edwards (PSU professor). Pat demonstrated his method for sampling macros on the Upper Grande Ronde River and explained how this can be used as a community outreach effort and method for evaluating restoration effectiveness. I summarized this experience with the Wallowa IT and shared some of Pat's peer-reviewed papers. The next step would be engaging communities through schools or other youth groups and employing these protocols to monitor restoration work. Attended RCPP webinar hosted by NRCS representatives. A better understanding of the program from a higher level was gained and combining RCPP and restoration funds to advance projects in Wallowa County will be pursued with local conservation employees when appropriate.
- Ian Wilson - Week 3 of August: Attended Oregon Conservation partnership webinar on planning successful events during a pandemic. Gained some insight into how partners are staying engaged during Covid-19 pandemic. Using tools such as virtual tours to engage partners when in-person meetings are not possible. Insight gained from this webinar will be applied to facilitate IT field virtual tours in absence of in-person gatherings. Partners appreciate creative and flexible solutions during challenging times. Reaching out to Powder Basin Watershed Council and Forest Service to seek help with inaturalist. One of the recommendations of developing a community/professional science platform was to expand this effort outside of the Grande Ronde basin and across Oregon. Reaching out to the neighboring Powder River basin was the first step in this process. However, the Powder River Basin Watershed Council is in between executive directors and this request will have to wait until that position is filled.
- Ian Wilson - Week 2 of August: Reviewed Wallowa County Natural Resource Management Plan (Imnaha River sections) for upcoming NRAC meeting and attended monthly technical meeting to discuss Little Sheep Creek and lower Joseph Creek. 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.

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

- Connor Stone - Week 3 of September: Coordinated with John Baker to fly Wallowa-Baker for low-flow conditions to compare with imagery from previous years. Smoke is complicating prospects for this flight, but I will get out there as soon as the weather and smoke reach favorable conditions.

**(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 4 of August: Worked with ODFW and Interfluve employees to assist in stage logger deployment in the Hall Ranch project area. One of my employees and the BOR interns followed up on launching the probes in the field and gathering reference depths.
- Ian Wilson - Week 5 of September: Meeting with Mike Williams and son Grant to look at N. Fork of Prairie Creek and schedule Chesnim visit. Walked property owned by the Williams on the North Fork of Prairie Creek and discussed potential restoration options. Site visit was documented and will be shared with opportunity lead if a project is pursued. We also discussed a future visit to the Williams property on Chesnimus Creek. Partners appreciate the project coordinator collaborating with local landowners to develop restoration projects. Meeting with Trout Unlimited and Wallowa Land Trust about possible conservation easement dollars could be used to pursue feedlot removal on Wallowa River. Discussing options for helping landowner distribute cattle and remove feedlot, considering different funding sources and timelines. This would also open up a connected river restoration opportunity. There is wide support from basin partners to remove the feedlot from the floodplain.
- Ian Wilson - Week 4 of September: Communicating high priority projects that TU might be interested in taking on in the future. These projects included Wallowa Valley Improvement Canal, McClaran Feedlot and fish passage directly downstream of Wallowa Lake Dam. Future capacity building could include more involvement with TU. Expanding partnership capacity is openly discussed at IT meetings as a way to accomplish more tier I projects.
- Ian Wilson - Week 3 of September: Communicating with Levi about possible conservation easement dollars could be used to pursue feedlot removal on Wallowa River. Discussing options for helping landowner distribute cattle and remove feedlot. This would also open up a connected river restoration opportunity. There is wide support from basin partners to remove the feedlot from the floodplain.
- Ian Wilson - Week 4 of August: Conference call with Executive Director, BPA, QSI and CRITFC to discuss topobathymetric lidar options for Wallowa County based on budget, timing, desired areas and change detection. Collecting lidar on the Wallowa River in 2020 was the preferred option with a negotiated cost based on available funds. Partners are excited to get updated lidar with bathymetric information. Information was shared at monthly IT meetings. Communicating with Trout Unlimited about RFP/RFQ for Wilson Haun project. Discussing which approach would be best to meet project objectives. The end product will be used to hire a consulting firm to design the project. Partners

appreciate support and coordination of the project coordinator.  
Communications will be disseminated at Atlas meetings.

### **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 3 of September: Participated in, took notes and distributed notes to the group for the monthly Union County IT meeting.
- Kayla Morinaga - Week 3 of August: Participated in, took notes and distributed notes to the group for the monthly Union County IT meeting.

### **D. 114: Identify and Select Projects**

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

- Kayla Morinaga - Week 4 of September: Worked with Joe Platz and Alex to get a map made of the proposed McCoy Creek restoration project to include soils data and geomorphological data available from USGS.

#### **(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 5 of September: 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 September: 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 September: 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. 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.

### **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 4 of September: Reviewing RFQ for Wilson Haun and providing feedback on draft version to Trout Unlimited. Final RFQ will be used

to solicit design firms for selection to develop and take a design to 100% construction ready. Partners appreciate support and feedback of the project coordinator. Communications will be disseminated at Atlas meetings.

- Ian Wilson - Week 3 of September: Helping NPT with contractual covid language. Shared example from recent RFP and thoughts on contractor responsibility. NPT appreciated the help and examples.
- Ian Wilson - Week 3 of August: Reviewing Green Valley Ranch OWEB application for ODFW. The end product will be ODFW picking up as the opportunity lead and pursuing BPA funds for this fish passage project on the Wallowa River. Partners will be updated at monthly IT meetings. Partners appreciate the technical support and moving projects along. 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.
- Ian Wilson - Week 2 of August: Reviewing proposals for McDaniel phase III project. 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 1 of August: 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.

**(F. 122) 2. Develop and implement a standard landowner agreement form for conservation occurring on private properties that is to be signed and executed as a component of the Atlas proposal process.**

- Ian Wilson - Week 1 of August: Working with Kayla and Christina to develop a landowner access form for surveying beaver populations on private land. We shared the OWEB form that we use for post project monitoring. Partners appreciate collective knowledge and existing documents for planning access and data collection. Updates will be shared at monthly IT meetings.

**G. 115: Produce Inventory or Assessment**

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

- Alex Towne - Week 4 of August: Update substrate data tables, create point shape of data that has associated x,y coords.
- Alex Towne - Week 3 of August: -Share LiDAR coverage of specific area on Lostine River with Montana Pagano. -Put together and send requested data to Nick Legg.
- Alex Towne - Week 2 of August: Join substrate tables and create new shapefile
- Alex Towne - Week 1 of August: Create shapefile of PIBO data from spreadsheets.

**(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 4 of September: Processed Sheep Creek imagery and sent to Levi @ TU. Converted file to ECW before sending.
- Connar Stone - Week 2 of September: Processed imagery from 2020-7-16 on 6 Ranch and sent results to Ian. Included a lower resolution version for easy distribution on Ian's part.

- Connar Stone - Week 1 of September: Geotagged and processed 2020-7-29 Bird Track Springs thermal refuge study imagery. Special thanks to Jake Kimbro and CTUIR for providing the accurate GCPs necessary to rectify the imagery.
- Alex Towne - Week 4 of September: Edit NHD in Imnaha subbasin for BRAT 3.0. Continue preprocessing steps for BRAT model. Complete first run of the BRAT 3.0 model in the Imnaha subbasin. Start editing NHD in the Wallowa subbasin, and preprocessing model inputs.
- Alex Towne - Week 3 of September: -Make map for Bowman off-site watering project. -Update BRAT 2.0 layers in web app to display dam capacity encompassing all limiting factors. -Create photo points interactive map of photos from AqI survey for survey crew.
- Alex Towne - Week 2 of September: -Research project design options within ArcGIS, like ways to use CAD design elements in Arc pro. -Work on editing NHD for BRAT 3.0 analysis.
- Alex Towne - Week 1 of September: -Finalize 2019-2020 AqI Surveyed reaches shapefile. -Make map series for Wilson-Haun proposed actions for restoration.
- Alex Towne - Week 4 of August: -Make edits to macroinvertebrate sampling workshop map. -Start creating shapefile for OWEB AqI funding of reaches surveyed in 2019 and 2020. -Mobile map package for AqI survey section 4 on CC. -Mobile map package of temp logger locations on Hall Ranch.
- Alex Towne - Week 3 of August: -Make edits to LiDAR footprint (addition of Deer Creek Chinook use reach). -Update PIBO data with additional attributes. - Create mobile map package for next survey section on CC for AqI survey. - Create first draft of location and parking map for macroinvertebrate sampling workshop.
- Alex Towne - Week 2 of August: Work on geoprocessing analysis to create LiDAR footprint - complete first draft and send out for feedback and/or additions.
- Alex Towne - Week 1 of August: -Create mobile map package of section on CC for AqI survey. Download map to Explorer app. -Work on tile package basemap to be inserted in Survey123 form. -Start work on updating and reworking our Atlas web apps (data gathering, new map layout, etc.)

#### **(G. 115) 5. Georeferenced aerial imagery**

- Connar Stone - Week 4 of September: After waiting a few days for the smoke to dissipate and for the fires to be put out near Ukiah, I was finally about to get out to Sheep Creek to fly.
- Connar Stone - Week 3 of September: Put together a short video demonstrating the issues I am coming up against in the final Pix4D results for Woodlee with the GCPs provided by AP and sent it to Casey @ AP. After reviewing the video, Casey requested all of the available layers files so they duplicate the issue and isolate it. Dropped off a thumb drive with all applicable files. Hoping to hear back from them soon.
- Connar Stone - Week 1 of September: Sent MUGR Landmark GCP points to Casey. These points will likely be re-evaluated before being established on-site.
- Connar Stone - Week 1 of September: After marking landmark GCPs with Casey and reviewing these locations in the imagery taken last week, it is becoming clear that some of these locations are not showing up as clearly as others. This could be for a number of reasons, not the least of which has to do with the camera's independent settings and variable lighting. Another issue appears to be causing a skewing effect in the final product as well. This could be due to the need for more points or the chosen point is not reaching ground for proper rectification of the remaining imagery. I will pass this information and data along to AP and we should discuss how best to proceed with the

remaining projects/GCP we intend to mark. Getting Woodlee dialed in first will likely be the priority.

- Connar Stone - Week 4 of August: Processed UGR Woodlee imagery with newly established landmark GCPs. Pulled in Lidar from 2009 to run comparisons on points that should not have changed over time and also compared previous imagery to find that the landmark GCPs were not rectifying the imagery the way they should be. Set up meeting with AP to go over the results and investigate the reason why these points are not working to rectify the imagery we've tagged. Putting the rest of the work on hold until we can get this figured out, otherwise there may not be any use in proceeding if we cannot assess the correct needs to accomplish our intended goals.
- Connar Stone - Week 4 of August: Went out to Chicken Creek with Casey Boyd (AP) to assist in shooting points and help establish the aerial landmark GCPs. Once the points were established they needed to be tied together, which was something he said he could do on his own, so I drove over to Woodlee where we had previously established the week before and flew again. With the marked GCPs, my intent is to run a test orthomosaic to check the accuracy of the points and ensure that the landmark GCPs we are getting are doing the job of rectifying the imagery appropriately.
- Connar Stone - Week 3 of August: Sent updated KML files for Limber Jim, Mine Tailings, and Woodlee for landmark GCP work to Mike Posada and Casey Boyd @ AP.
- Connar Stone - Week 3 of August: Went out to Woodlee with Casey Boyd (AP) to assist in shooting points and help establish the aerial landmark GCPs.
- Connar Stone - Week 3 of August: Coordinated flight on Southern Cross and flew for low-flow imagery helpful to CTUIR as well as the summer survey crew. Sent results to Jake Kimbro with CTUIR, and Alex so she could print out a full-size map for the survey crew.
- Connar Stone - Week 3 of August: Worked on project list for landmark GCP work involving AP. Sent final sheet to Mike Posada @ AP. Meeting set for Friday to discuss final revisions, additional needs, etc.
- Connar Stone - Week 2 of August: Went back out to Bird Track Springs to collect the remainder of the FLIR imagery with the new jury-rig setup. Drone flew without issues—monitored "hot-plates" during flights to get calibrated points. Continued to work on the rectification and processing of the FLIR imagery with the new dataset, but again to no avail. Tagged images using custom python script and sent all data (including RAW imagery) to Sanaz Shafian @ University of Idaho as per Joel Sholtes' suggestion. I have yet to receive a reply. Email also sent to Joel Sholtes to update him concerning the progress of this work.
- Connar Stone - Week 2 of August: Flew Limber Jim for late summer comparison imagery and consistency.
- Connar Stone - Week 2 of August: Flew Chicken Creek for late summer comparison imagery and consistency.

## **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 2 of August: Updated board meeting dates and information for grmw.org.

**(H. 160) 2. Develop, organize and maintain a comprehensive data dictionary that houses data layers, shape files. Historic and contemporary**

**geo-rectified aerial imagery, digital terrain models, and other applicable data stored on GRMW data servers.**

- Connar Stone - Week 1 of September: Renewed NoIP dynamic hostname for grmw.myftp.org.
- Connar Stone - Week 2 of August: Renewed NoIP dynamic hostname for grmw.myftp.org.

**J. 99: Outreach and Education**

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

- Kayla Morinaga - Week 4 of September: Worked on application for Oregon Department of Fish and Wildlife's Conservation and Recreation Fund grant. I am applying for these funds to further the community based learning macroinvertebrate sampling we're trying to do with local high schools on restoration project areas. We have gained a few more partners on the grant which is helpful.
- Kayla Morinaga - Week 3 of September: Coordinated with GO STEM (Greater Oregon STEM), program on collaborating on a grant through the Gray Family Foundation to further environmental education opportunities to build upon the USFS Youth and Community Engagement grant that we previously received.
- Kayla Morinaga - Week 4 of August: For our "Grande Ronde - Rivers on the Edge" film with Freshwaters Illustrated, I had to submit a progress report on the grant through grants.gov.

**(J. 99) 2. Organize and coordinate educational seminars and activities.**

- Kayla Morinaga - Week 4 of August: Hosted a community based learning session in the upper Grande Ronde on the Wallowa-Whitman National Forest with Pat Edwards, a professor from Portland State University. We had to hold two separate sessions to keep numbers down due to COVID precautions, and he taught participants how to perform his protocol, macroinvertebrate identification, data analysis and how to work with a class. He is going to make more trips out here if we can muster up funds for his travel. All of his time is an in-kind contribution.
- Kayla Morinaga - Week 2 of August: Outreached Portland State University professors visit and teaching of community based learning macroinvertebrate monitoring protocol to natural resource professors. His trip was funded by a GRMW/USFS grant for community based learning in the upper Grande Ronde on the Wallowa-Whitman National Forest. Pat Edwards, the professor, held two sessions to keep numbers down due to COVID precautions, and taught participants how to perform his protocol, macroinvertebrate identification, data analysis and how to work with a class. He is going to make more trips out here if we can muster up funds for his travel. All of his time is an in-kind contribution.

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

- Kayla Morinaga - Week 2 of September: Dropped off shipment of shirts to Blue Mountain Outfitters in La Grande.
- Kayla Morinaga - Week 2 of August: Submitted another GRMW shirt and hat order to be sold at Blue Mountain Outfitters in La Grande, The Sports Corral in Joseph, and here at the GRMW office.
- Alex Towne - Week 2 of August: Create two new sticker colors for merchandise and place order.
- Ian Wilson - Week 1 of September: Picking up GRMW hats from Moonlight Graphics for delivery to La Grande. Sales of GRMW shirts and hats supports the Ripples publication. The Ripples publication is a valuable outreach tool for

connecting community members with natural resource activities in the Grande Ronde basin. Social media platforms will be used to share where the GRMW merchandise is available.

- Ian Wilson - Week 3 of August: Delivering GRMW shirts and hats to Sports Corral for retail sale to visitors and Wallowa County community members. Sales of GRMW shirts and hats supports the Ripples publication. The Ripples publication is a valuable outreach tool for connecting community members with natural resource activities in the Grande Ronde basin. Social media platforms will be used to share where the GRMW merchandise is available.

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

- Alex Towne - Week 4 of August: Attend macroinvertebrate sampling training for future Community Based Research (i.e. Citizen Science) program.

**K. 99: Outreach and Education**

**(K. 99) 3. Ripples - Fall**

- Alex Towne - Week 4 of September: -Receive all 3 first draft articles from contributors. Read, review, and send to editor. -Work on layout and formatting. Insert first drafts of articles, photo placement and captions. -Make map of LiDAR footprint to accompany article from Seth White.
- Alex Towne - Week 2 of September: Ripples outreach to possible contributors.
- Ian Wilson - Week 3 of September: Preparing Ripples article about inaturalist to encourage community members to participate in collecting data on beaver observations. The end product will be a short article about how using inaturalist will help local land managers make more informed decisions on beaver management for overall watershed health. The article will appear in the bi-annual late fall/winter edition for circulation to partners and community members in the Grande Ronde basin. Basin partners appreciated support from GRMW staff in preparing the article.

**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 September: Billed on this BPA 79905-006 contract. Took an employee off the vehicle insurance. Ordered checks. Checked online banking for new transactions. Wrote out checks to vendors. Entered transactions into QuickBooks and on spreadsheets. Entered preventive maintenance information on the drive thru website for the GSA vehicles. Spoke with Kim at Ascension on the assembly hall setup and lunch options for the annual meeting. Mailed out the annual meeting agenda.
- Mary Estes - Week 4 of September: Office upkeep. Checked online banking for transactions. Took time sheets to County. Emailed Board for a head count for the Annual Meeting. Prepared invoices for approval. Updated the Annual Meeting agenda with call/computer information.
- Mary Estes - Week 3 of September: Checked online banking for new transactions. Wrote out checks to vendors. Entered transactions into QuickBooks and on spreadsheets. Took mail to post office Filed in project files.
- Mary Estes - Week 2 of September: Checked online banking for new transactions. Wrote out checks to vendors. Double checked my entries in QuickBooks and on spreadsheets. Billed BPA on 79905-006 GRMW Admin. Pulled GSA vehicle invoice off of their website.

- Mary Estes - Week 1 of September: Checked online banking for new transactions. Wrote checks out to vendors. Entered transactions into QuickBooks and on spreadsheets. Emailed BPA on past due payments on a couple of contracts.
- Mary Estes - Week 4 of August: GSA inquired about a purchase made on one of our gas cards, we answered their questions and made staff aware of the purchases allowed with the gas cards. Time sheets to Union County. Picked up ink cartridge for plotter. Checked online banking for transactions. Wrote out checks to vendors. Entered transactions into QuickBooks and on spreadsheets.
- Mary Estes - Week 3 of August: Placed order for monitoring equipment and software. Deposited funds into Donation account. Prepared invoices for approval. Checked online banking. Called bank again to increase amount for the larger order that was purchased. Contacted vendor on payment for the purchase. Emailed Board regarding the August project tour and Board meeting cancelled. Wrote checks out to vendors. Entered transactions into QuickBooks and on spreadsheets. Emailed Katie Frenyea, NPT, on upcoming monitoring report due on the Lostine River Tulley Hill project.
- Mary Estes - Week 2 of August: Checked online banking for transactions. Contacted Union County on their invoice that needed corrected. Wrote checks out to vendors. Entered transactions into QuickBooks and on spreadsheets.
- Mary Estes - Week 1 of August: Checked online banking for transactions. Prepared invoices for approval. Wrote checks out to vendors. Entered transactions into QuickBooks and on spreadsheets. Billed BPA on 79905-006 contract. Mailed Board meeting minutes out to Board and others. Tentatively scheduled Ascensions large Assembly Hall for our Annual Meeting. Called bank to raise limit on card so we could make a large purchase.
- Kayla Morinaga - Week 3 of August: Coordinated with Travis Kessler about Gauge Station Contract NEPA information needs related to ESA listed species and critical habitat. The spring Chinook salmon layer on NOAA's website is not available because it is still under development, so our basin contact from NOAA told me to defer to StreamNet.

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

- Mary Estes - Week 5 of September: Billed BPA on 79905-007 Assessment & Planning Contract. Emails with Aric, FS, and Andrew, OWEB, on the completion report and FS billing on the Sheep Creek Restoration project. Emailed Katie and Montana, NPT, regarding the OWEB 217-5028-14142 Lostine River/Tulley Hill Fish Passage monitoring report. Received the report and filed it on the computer and in the project file folder.
- Mary Estes - Week 3 of September: Set up new OWEB Grant for 220-8205-18686 Meadow Creek Restoration Monitoring in QuickBooks, spreadsheets, excel and file folder.
- Mary Estes - Week 2 of September: Billed Forest Service on the agreement Grande Ronde Watershed Ecosystem and Health. Checked OWEB's OGMS online system on the completion report information on Sheep Creek. Sent out a draft agenda to the Board for their input.
- Mary Estes - Week 1 of September: Billed OWEB on 218-8205-16561 Catherine Creek Hall Ranch. Changed foundations information on Grants online. Finished the set up of the Forest Service Agreement on the Grande Ronde Watershed Ecosystem & Health Monitoring in QuickBooks, spreadsheets and file folder.
- Mary Estes - Week 4 of August: Read contractor contract for the Wallowa River McDaniel project. Took land use form and project application on the Sheep Creek Restoration project to the Union county Planner for signature. He needed more information so Jesse will contact the Forest Service for more information. Started working on the final items for billing on Sheep Creek. Tracking down a landowner regarding a landowner agreement for the Fish Stream Surveys.

- Mary Estes - Week 2 of August: Set up new contracts BPA 79905-008 Bowman and BPA 79905-009 Gauging Stations in QuickBooks, excel, spreadsheets and file folder.
- Mary Estes - Week 1 of August: Billed BPA on 79905-001 Design Services contract. Gathered Wallowa River McDaniel bids and sent out Jesse and Winston. Checked OWEB's OGMS website for status on a completion report. Mailed out landowner agreements in regards to the Fish Survey grant. Looked up a gave Kayla dollar amounts on the gauging stations plus shared the Water Resources Department Agreement on the stations.
- Connar Stone - Week 5 of September: Followed up with B&H Photo Video to determine status of P4 Multispectral order. It seems that all items are now available to ship. Contacted Mary to alert the bank to process the purchase since their anti-fraud department policies and rules are very strict. Had to wait with the B&H Photo Video rep on the phone until we received the "okay" from the bank. Equipment finally purchased and should ship soon according to the B&H Photo Video rep.
- Connar Stone - Week 4 of August: Followed up with B&H Photo Video to determine status of P4 Multispectral order. One Item still left on Backorder. Will follow up again in a few weeks if items have not shipped by then.
- Connar Stone - Week 4 of August: Sent Linode (grmw.org hosting service site) invoice to Mary.
- Connar Stone - Week 1 of August: DJI Phantom 4 Multispectral UAS still on backorder. Called B&H to inquire concerning the status of our order. Two items have still not been received from the manufacturer—one of which was the P4 Multispectral. Will inquire again in a few weeks if items remain on backorder.
- Connar Stone - Week 1 of August: Sent Linode (grmw.org hosting service site) invoice to Mary.

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

- Connar Stone - Week 2 of August: Worked on HP 42in DesignJet Printer Issue again. This time with some success. The upgraded memory from the obsolete Dell computer has improved the total memory dedicated this device, but ultimately it turned out the issue resides with photoshop and similar software, which has stopped supporting this model of printer—not surprising considering it was manufactured sometime in the early 2000's. HP also has stopped support for this device, but it still works when printing from GIMP, a free and widely used photo editing software. This said, another issue concerning the printer also cropped up—it seems the print head for the yellow ink had become quite grungy and required cleaning. This and an error associated with the yellow ink cartridge appeared to be somewhat related, but replacing the cartridge and cleaning the print head seems to have fixed the problem. 42-in plotter/printer returned to service!

**(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 2 of August: Coordinated with Tracy and Travis on Gauge Station categorical exclusion information needs.

## **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 1 of August: Prepared bi-monthly accountability report for the months of June and July.
- Connor Stone - Week 1 of September: Compiled BPA Accountability Report for June-July.
- Connor Stone - Week 2 of August: Worked on Accountability Report for June-July.
- Ian Wilson - Week 4 of September: 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 3 of August: 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 1 of August: 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**

- Connor Stone - Week 5 of September: Continued to assist summer survey crew with downloading, cleaning, and inserting data into Spring Creek Access DB and generate reports, fix bugs, find data errors, etc.
- Connor Stone - Week 5 of September: Worked with Shannon to fix errors in data entered into Spring Creek data sheets for 2020 summer river survey. Used ortho imagery to help ballpark some lengths, but Shannon felt it was necessary to double check the numbers. The estimates appeared to be fairly close to the actual numbers she recorded on the ground.
- Connor Stone - Week 4 of September: Continued to assist summer survey crew with downloading, cleaning, and inserting data into Spring Creek Access DB.
- Connor Stone - Week 3 of September: Assisted summer survey crew in the download, cleaning, and insertion of raw data from survey 123 into the Spring Creek access database, which is required for compiling the 2020 stream survey reports.
- Connor Stone - Week 3 of September: Printed collected snorkel data for summer survey crew from Survey 123.
- Connor Stone - Week 3 of September: Resent photo points for 6 Ranch to Ian from 2020-7-16 flight.
- Connor Stone - Week 2 of September: John Baker requested the orthomosaic from our 2020-6-2 flight of the Wallowa-Baker project in Wallowa County. The initial ortho I sent ended up being much too large for him to view/work with, so instead I have reduced the ortho down to 17MB or so, which does hinder resolution at a close scale, but should be sufficient for John Baker's needs.

- Connar Stone - Week 1 of September: Assisted survey crew with inserting the data into the 2020 Spring Creek database.
- Connar Stone - Week 1 of September: Copied and cleaned 2019 survey database access files to working 2020 survey directory for in preparation for survey data insertion.
- Connar Stone - Week 3 of August: Worked with Alex to create a map package file for the stream surveyors' tablets. Map downloaded to tablets for use in the field.
- Connar Stone - Week 1 of August: Downloaded 2020 Fish Survey data in an excel sheet from Survey 123 and sent to Shannon via email.
- Connar Stone - Week 1 of August: Worked with Shannon to make changes to survey 123 forms to increase efficiency in working through Catherine Creek. One such request was to move the wood Form to the other tablet and to change the location of the boulder counts from the Unit-1 form to the Unit-2 form. This would allow for the surveyors to move more quickly from one unit to the next and makes better use of their time on each unit.