**ACCG Monitoring Group**

**10/14/2020 9-1130**

Participants: Becky Estes, Helen Loffland, Gwen Starrett, Alissa Fogg, Robin Wall, Thurman Roberts, Zack Croyle, Shana Gross, Greg Suba

New Tasks as identified in notes**:**

**All**

* Share relevant papers or talks that might be important to share with the group (ongoing)
* Provide CHIPS/Thurman feedback (ongoing)
* Read Campos at al. 2020 – Bird Response to hydrologic restoration of montane riparian meadows prior to Nov meeting
* Review website update proposal (when Alissa sends)
* Review ACCG monitoring questions (when Helen sends)

**Greg**

* Work with Becky to evaluate the scenario planning table to think about how monitoring tasks might be incorporated into the online tool

**Becky**

* Work with Greg to evaluate the scenario planning table to think about how monitoring tasks might be incorporated into the online tool
* Send Martin Meadow Aspen brief summary and photos to Robin for annual report by 11/28
* Get Thurman match hours
* Review 2019 Annual Report monitoring information Robin emailed and update to reflect 2020 monitoring work for 2020 Annual Report

**Alissa**

* Develop draft proposal of what changes need to be made to the website, send to the monitoring group for review prior to 11/12 meeting
* See if you can get a zoom meeting room for 11/12 meeting from 10-1230.

**Gwen**

* Send three meadow monitoring brief summary and photos to Robin for annual report by 11/28
* Add Helen to your email list for future monitoring at three meadows
* 10/21 Full group monitoring update
* Prioritize meadows using a combination of American River Scorecard and Climate Vulnerability/Decision Framework – note keeping as a carryover reminder but may be capture by Pt Blues future presentation

**Helen**

* Send monitoring brief summary and photos for WCB and Bee/bird surveys to Robin for annual report by 11/28
* Create a monitoring questions document based on monitoring strategy. Look in this folder: <https://usfs.box.com/s/n7cvkc8zmvlih2tg7wm5si2k68n7c7ek> the final strategy is in here as is the monitoring database. The monitoring database has all of the CFLRP questions along with the tier – ideally send to the monitoring group for review prior to 11/12 meeting

**Robin**

* Will update 2020 match hours for June through Sept
* Talk to Shane about how to move forward with SI and socio-economic monitoring templates/training – consider bringing Steve into the conversation
* Clean up monitoring supply list so list of what we have, rather than what we want to order. Cross-reference list Gwen sent out

# Report out on SLAWG

* Becky wasn’t able to make the last call
* Fire risk assessments have been done
* Group working through 3 scenarios for fire risk assessment – then will get prioritization tool to identify areas on landscape more sensitive to fire hazard and risk based on HCRA (high value resources and assets) – 1 piece of the prioritization
* SLWAG Nov Full group
* Want to do another workshop where people bring planned/implemented treatments to update treatment portion of the tool

# Website discussion

* Alissa had meeting about a year ago
* Monitoring group has more of a stake
* Bringing monitoring wg changes we want to see
* How organize our studies and reports – maybe something like we set up for SCALE
  + Where all info for that projects
  + Or add another tab for presentations, study briefs
  + Description of the project, monitored 3 yrs, 5 yrs – share database tables
  + Project tracker SLWAG group is developing and include monitoring information in there – **Greg and Becky** going to look at scenario planning table to think about this
    - ArcGIS online map
* Can we have the ability to update on our own and add in new information – Regine can update
  + Maybe Regine can train monitoring group folks to update or someone else train us
* Might not be money – need to do sooner than later, funding for Cornerstone will be ending
* Need to develop a 1 page briefing paper to present CBI – Tanya for ACCG admin workgroup
  + This is what we want
  + This is how it would help group – outreach
  + Simple 1 pager on how to upload document
  + **Alissa** take first stab at draft of 1 pager – get done in next couple of weeks
    - Maybe Tanya can help estimate

# Annual Report

* Needs anything done on Calaveras
* If have any monitoring information that is done, especially photos that could be included within the next 2 weeks
* **Gwen and Helen** will resend her info – short sweet summary and photos
  + WCB monitoring Helen
  + Bee/bird surveys
  + Three meadow monitoring – will resend
* Report is a work in progress
* Take table from email from robin for FY20 – **Becky**
* **Robin** – update 2020 hours
  + Don’t count Gwen’s hours
* Power fire birds and bat update has been sent

# Socio-Economic Monitoring

* SI thought that the training was not needed or receptive – **Robin** to talk with **Shane** help to talk about how they do want the training
* Need material to go with the training material
* Robin - suggest have a conference call with SI – Jonathan, Hillary, and Kyle to bring up discussion
  + Want to understand why SI thinks that none of SI is capable of doing monitoring on their own
* Could we identify which metrics we think we would want to move forward and focus on those only?
* Look to SI to help identify this? Most of info could not be tied to CFLR, and makes it hard to ID metrics affecting
* Can bring Steve back into the discussion? So we can discuss how we move forward.

# **Future grant opportunities**

* Develop mechanism for including monitoring during grant development proposals
* Could we revisit our monitoring strategy questions, identify questions that we still need, are missing, already being addressed, which ones do we not have current monitoring for
  + **Helen** will create document for us to review questions from monitoring strategy for us to all evaluate – **Becky** will help by figuring out where Helen should dig into
* As a work group could take a lead on proposing projects interested in monitoring end of it
* NASA citizen science grant with remote sensing and camera’s – Point Blue put grant in recently, so that point blue can help think about this when applying for grants
* Some of Aspen monitoring perfect citizen science
* **Shana** to share WO citizen science grant opportunities - done
* Share list of questions on website – maybe identifying the list of questions we want longer term funding for

# 2020 Monitoring Updates – Round Robin

* Still looking for money to implement Mattley meadow – did not get funded by WCB
* Alissa finishing Power Fire monitoring last year – effects of reforestation treatment on birds
* Workshop for prioritizing meadow restoration in Upper Mokelumne – stay tuned for date maybe in Jan or Feb
* Three meadows project, veg transects were revisited – Gwen had a total of 4 volunteers help
  + **Gwen** add Helen to email list to help with this
* Photo monitoring was done at all 3 meadows
* Bid walk on 10/26 was resent for three meadows – scope was revised some because culvert work was done – hopefully this will get implemented in 2021
* Caples aspen monitoring with crew – aspen are all resprouting!
  + Sign about Aspen ecology and how important resprouts are
* Government meadow has a lot of cryptograms along edge of the meadow
* Martin Meadows aspen monitoring has been completed and how this area could use some treatment – **Becky** will send a blurb to Robin for this
* Helen did bumblebee surveys at Upper Onion and Foster and has been working on WCB grant and is getting close to having all baseline plot data
* Power fire bumblebee data have been trying to decide how best to analyze – might be challenging to tease apart treatment data and bumblebee response to treatment
* Becky will help Helen with analysis of stem mapping data from WCB
* Foster Meadow – Started work on 9/21, Chuck has been helping with WQ monitoring, almost finished with main meadow, finished culverts under road, moving into pocket meadows, some pond and plug, some fill, willows have come in well since livestock were removed several years ago, looks like project is going well
* Foster Meadow has a lot of conifers because well established – its been an ongoing thing, it will be really interesting to see if hydrology reduces conifers
  + Range monitoring site
  + Amy Merrill did previous veg work
  + Plus quick and dirty veg work – Alissa
* Eric was trying to help beef up volunteer workforce to help with things such as conifer removal
* Aspen for WCB – most of t-post will be finalized this week and trying to determine if too late to put up fencing. **Becky** to get Thurman match hours
* Foster Firs may not be complete, there is still some activity – some of activity was delayed because of fires
* Leeks Springs field trip with American Rivers Conservancy – meadow is owned by multiple partners, got ear of FS to set up a partnership
  + Extensive bird and veg monitoring led by Pt Blue
  + Have applied for many grants
  + Simple things that need to happen, meadow is unique in that it is a fen, there are some culverts that need to come out, overall, in good condition, minor headcutting
  + ID as a potential future WIFL location
  + State Fish and Wildlife owns some of property so might been conflict of interest in funding
* WO developing CFLRP that questions that every collaborative might need to address
* ACCG general meeting 21st – Westerling will be presenting on fire info from CA Climate Assessment
  + **Gwen** to do monitoring update for this meeting

# Agenda Topics for November 12th 10-12:30

* Helen’s presentation on <https://onlinelibrary.wiley.com/doi/abs/10.1111/rec.13212>
* Revisit monitoring strategy questions
* SLAWG
* Socio-economic
* Annual report
* Website – review of 1 pager, changes or updates and agreement to forward onto admin group
* CFLRP – WO questions review
* TEAMS (as primary) – call in back up – if Zoom is available then Alissa will sign this out

# Action Item Review - Task List from September:

This is for tracking purposes, all tasks that are still outstanding have been carried over to Tasks from October Identified Above

**All**

* Share relevant papers or talks that might be important to share with the group (ongoing)
* Review current website format for monitoring and determine what should be included and how it can easily be found to provide feedback at next meeting now to review Alissa’s document proposal
* Provide CHIPS/Thurman feedback (ongoing)
* Read Helen’s paper on restoration/birds that she sends out for discussion at next monitoring group meeting and to determine if it should be a presentation to larger group before Nov meeting
* Review socio-economic final report so you have background for discussion in Sept regarding next steps monitoring maybe still need to
* Review scenario planning and think about updates/edits/changes so we can use it as a document for understanding how to move forward and where we are going now review questions when come out
* Include box link (ask if you cant find what looking for)

**Gwen**

* Send climate engine report out for 3 meadow restoration -should be in box and was sent
* Prioritize meadows using a combination of American River Scorecard and Climate Vulnerability/Decision Framework keep, but climate smart stuff from Marian will take place
* Report out at general August (8/19) meeting- done
* send out conifer transect monitoring planning to monitoring group- done
* Look at equipment list and help Robin clean it up – see bullet 2 under Robin - done

**Robin**

* Send out monitoring supply list – done
  + Now stored on box in a folder called equipment
* Update monitoring supply list so it is more of a tracker and just includes what we have (and maybe where it is stored) will take a look, make sure look at what Gwen sent
  + Probably want a cleaner spreadsheet but I wasn’t comfortable cleaning it up, essentially key items would be: category, item, number, if labeled with corresponding number code, and where stored

**Becky:**

* Send full group presentation topics and contacts to Regine and Tanya with cc to Robin. -Done Becky forwarded this on
  + Variable density stand/plantation work for next agenda topic – Iris and Jianwei
  + Amphibian survey in Power Fire – Karen Pope
  + STF and ENF climate trend assessments – December or later – Shana/Becky
  + Helen’s paper on meadow restoration and birds
* Followup with STF if there is a backup we can use for Calaveras participation, maybe someone from SO don’t, have Zack
* Let Helen know when ecology crew is training on Aspen protocol in Caples -done
* Make sure there are browse metrics in Aspen protocol done, these were included
* share TCSI pillars of resilience with group -sent on 10/14
* Follow up on status of Hemlock treatments, specifically Red Fir sites -has been a lot of logging activity this season, Cabbage and Thompson, Wolfsboro started this season, check back in 2021 calendar year to see what has been completed
* Send out scenario planning document to monitoring group so we can discuss/update in September -will share with Helen initially, and we will focus on monitoring questions

**Helen**

* Send out a map to everyone where pre-commercial monitoring plots were installed can do
* Let everyone in group know if you need monitoring assistance got some assistance, hopefully next year will be easier
* (Chuck) send some photos post cow grazing (upper onion) to Robin at this point probably too late, cows will be removed
* to share pdf of this paper as pdf well as other papers: <https://onlinelibrary.wiley.com/doi/abs/10.1111/rec.13212>

**Shane**

* check in with Robin on the status of the socio-economic grant with SI and next step of training for future monitoring since Robin put together the contract and would know where we need to go– done
* send final report – done

**Shana**

* let Becky Wayman know foster firs complete for red fir monitoring – done

# Future Agenda Topics

1. Monitoring Strategy - review the strategy and see if there is something else we might need to pursue
   1. Track key issues and make sure we are monitoring them
   2. Is there any new information gained that can be applied to management?
2. CA Forest Observatory – could be a good topic for our group (this might be a great SLAWG topic as well)
3. Landscape Scale Assessment – circle back to reporting and how we can tackle assessing at a broader scale – maybe LiDAR will help us with this? (linked to part 2 of SLAWG been postponed)
   1. Think about how we can use the LiDar as a monitoring tool and start looking at outputs
   2. Shana could present about how was used in LTW for assessment and now for monitoring
4. Summarizing data now that we have data – what projects need a report out?
   1. discuss how information is being presented/translated and if we can improve that