

LCD Tech Team meeting

9/8/2020 | 1pm -2pm

Attendees: Natalie, Sean, Matt heller, trevor, aubin

Welcome, Trevor!

- Trevor reid: nature conversancy CA, based in SE BC, works on all things GIS - tied in through craig

Brief update on leadership team decisions (Sean)

- Focal features were selected- LT accepting of polling
 - Coarse features: 7 features - 6 habitat types and connectivity
 - Fine features: primarily species
 - Can we lump into guilds?: salmons, mesocarnivores, ungulates, 5 needle
 - Guilds puts more work on tech team - marxan might help roll species into analysis - weighting inputs in the form of guilds - sean is in the process of drafting out a whitepaper

Availability of presence/absence data

- Type of data used in marxan analysis
 - 1. species info (observation data, habitat modeling - this is what we are trying to track today) - we're looking for both predicted (where does the species exist?) and potential (where could the species exist?)
 - 2. cost layers of that species to exist there (ie. max stream temps for salmonids)- those two layers are spatially overlaid
- Grizzly Bear
 - CCE wide data
 - Action: **Analysis Team** (aubin or Phil?) will compare CMP grizzly occupancy analysis with [NBLCC Regression Model](#)
- Bull Trout and Westslope Cutthroat Trout
 - Clint Muhlfeld and the USGS ecosheds team has much of this data compiled, but it doesn't extend past the original CMP crown boundary, so there are some areas on the edges of our landscape that may be excluded in their datasets
 - Action: **Natalie** make a list of watersheds not in ECOsheds - explicitly find missing watersheds
 - Action: **Trevor** will work with natalie to get occurrence data from the FWMIS dataset - for both Bull trout and Westslope
- Wolverine

- Action: **Sean** will contact Justin Gude (FWP)
- **Natalie** will reach out Tony Cleavanger (western transportation institute) apclevanger@gmail.com
- **Trevor** will check in with his contacts and BC counterpart about wolverine and canada lynx
- Canada Lynx
 - possible data sources to consider delving into: cameras (alberta biodiversity monitoring program ([ABMI](#)), harvest data
 - **Sean** will do a search on MT natural heritage database
 - **Sean** will look into harvested species data documented by state game agency
- Whitebark Pine
 - The CMP hi5 team has collected most of this info for a separate project - all that is missing is BC habitat modeling
 - Action: **natalie** will see if Hi5 data can be used for this project
 - **Trevor** will ask adriene leslie about BC data
 - **Sean** will ask Jeff Hickey if he has BC data
- Rocky Mountain Elk
 - **Trevor** will follow up with natalie on overwintering data for ungulates (mule deer, elk, sheep, and goat)
 - **Aubin** will reach out to CSKT about collar data
 - **Aubin** will reach out to Kris Temple for any additional FWP data
 - **Matt** will look for "elk distribution in MT" dataset that may include tribal and national park lands
- Mule Deer
 - **Aubin** will ask FWP if they have more data than just statelands data for mule deer
 - Action: **Sean** will follow up about the missing link for the Delphi product