**ES Sub-Team meeting**

**12/1/22**

Participants:

1. Colby Brungard
2. Jamin Johanson
3. Suzann Kienast-Brown
4. Jon Maynard
5. Suzanne Mayne
6. Travis Nauman
7. Jess Philippe
8. Greg Schmidt
9. Nathan Roe
10. Shawn Salley
11. Stephanie Shoemaker
12. Jim Thompson
13. Zach Van Abbema
14. Dave White – absent

* Introductions – all
  + Location
  + Brief history/interest
* Overview
  + DSM FT structure – Suzann
  + Team charges/DSS priorities – Suzann
  + Expectations – Suzann
  + Research – Jon/Travis
    - Will share papers on cloudvault
  + IBM work – Shawn
    - Unsupervised classification based on regional inputs
    - First cut for clustering ecological groups
* Discussion – all
  + Where we’re heading (long-term)
    - What concepts do you need for an ecological site pixel?
      * Capability/condition/available management per pixel – overarching DSS goal
      * State mapping
      * Start with broad classes within the first year
    - Dynamic vs static properties
    - National vs regional modeling
  + What is the path forward?
    - Look at other ecosystem types/areas besides the west to test some of the current approaches
    - Training data – where do we have it, how do we assemble it?
      * NASIS tables/reports can now accommodate this type of data
      * Provisional ecological sites – what’s next?
        + Enter observation data into NASIS
        + National instruction in progress
    - Generic attributes with veg phases to identify state – canopy height, density, total cover via remote sensing data
    - Minimum set of properties that apply to all veg types
    - Stratification of the country as a strategy for veg prediction
    - Use soils data to help parameterize the veg mapping
    - Predicting sites as fuzzy concepts with potential as goal?
    - How to use keys?
    - Raster Soil Survey approach with focus on local/regional mapping to create product to inform management
  + Potential products (short-term)
    - National geomorphic map
    - Standards
  + Next meeting discussion
    - Geomorphology/parent material
    - Species distribution mapping
* Determine regular meeting schedule – all
  + Will start with monthly frequency
  + Next meeting will focus on identifying initial goals and timeline
  + Inventory of skillsets/projects for team members

