



BLM Rapid Ecoregional Assessment Alaska Training Course

Dates: March 28-29, 2018
Where: Fairbanks District Office (Kobuk Room)
Fairbanks, Alaska



Instructors:

1. **Jamie Trammell**, Assistant Professor of Environmental Science, Southern Oregon University and Affiliate Faculty for Alaska Center for Conservation Science; e-mail trammelle@sou.edu; Phone: 541-552-6496
2. **Timm Nawrocki**, UAA Assistant Ecologist; e-mail tnawrocki@alaska.edu, Phone: 907-786-6357
3. **Kevin H Miller**, REA Applications Ecologist; email khmiller@blm.gov, Phone: 303-236-6606
4. **Sam Litschert**, Geospatial Analyst; email slitschert@blm.gov, Phone: 303-236-5421
5. **Aliza Segal**, Ecologist; email asegal@blm.gov, Phone: 907-267-1398

Day One – Fairbanks:

- 9:00-9:15 **Introductions; basic instructions** (bathrooms, breaks, questions)
- 9:15-10:00 **BLM's Landscape Approach & REAs** (Kevin)
- REAs and the landscape approach for assessments & planning
 - Open Q&A about general concerns and questions on the REA
- 10:00-10:15 **The REA Approach** (Jamie)
- Landscape Approach: Issues and Questions
 - Essential REA components and characteristics
 - Differences between CYR and NOS REAs
 - Questions from the pre-requisite material?
- 10:15-10:45 **Example of YKL REA material used for BSWI RMP** (Aliza)
- Uses of REA data in large scale planning
 - Cumulative Disturbance Caps
 - What data helped the BSWI RMP's Alternatives development
- 10:45-11:00 Break
- 11:00-11:30 **Overview of NOS document** (Jamie and Timm)
- Overview of structure of REA documents: sections, figures, tables, appendices
 - UAA Data Catalog

- 11:30- 12:00 *Exercise: Exploring The REA Document* (Sam)
- How to access the report
 - How to use report hyperlinks to access and explore data in ArcGIS Online (AGOL)
- Noon- 1:00 Lunch on your own
- 1:00- 1:30 **Review of Change Agent (CA) and Conservation Element (CE) Data** (Jamie/Timm)
- CAs: Climate, fire, invasive species, permafrost, insect and disease, human development
 - CE species and distribution models
- 1:30- 2:30 *Exercise: Exploring CA and CE datasets using the Landscape Approach Data Portal and AGOL* (Sam/Kevin)
- How to find and access CA and CE data
 - Fire
 - Focus on Elodea (CYR) as CA example
- 2:30-2:45 Break
- 2:45-3:15 **Integrated Products Background** (Jamie)
- Landscape Condition Model
 - Integrity Assessment
 - Cumulative Impacts
 - Exercise: map package walkthrough for illustration
- 3:15-4:00 *Exercise: Exploring Integrated Products through Citrix* (Sam)
- Cumulative Impacts Model
 - Landscape Condition Model
- 4:00-4:15 **Discussion** (Kevin)
- Questions about the REA process?
 - Feedback for day 2?
 - Day two agenda overview; intro to MQ (caribou)

Day Two – Fairbanks:

9:00-9:30 Questions, review, and open discussion from day one (Kevin)

9:30-10:15 **Example Management Question (MQ) related to caribou** (Timm)

- Map package. Can do CYR or NOS as both are similar Caribou MQ.

❖ *Submit at least one idea of an appropriate use of REA results (write on 3x5 card)*

10:15-10:30 Break

10:30-11:30 Discuss examples from index cards (Kevin)

11:30-12:00 *Exercise: Hypothetical planning exercise #1 using REA data* (Jamie/Timm)

- Use LCM to look at hypothetical impacts to caribou status
- Discuss scale
- Appropriate datasets
- Backup exercise-map package just in case

Noon-1:00 Lunch on your own

1:00-1:30 *Exercise: Hypothetical planning exercise #1 using REA data, continued* (Jamie/Timm)

1:30-2:30 *Exercise: Hypothetical planning exercise #2 using REA data* (Permafrost - Sam/Kevin)

2:30-2:45 Break

2:45-3:15 **Appropriate & Inappropriate use of REA Data** (Jamie)

- Interpreting and misinterpreting REA results
 - Absence of universal interpretations...Must consider the subject
 - Color, scales, legend
- Configuration & location considerations
 - Patches versus matrix configuration, hot spots
- Understand the data that went into it
 - Accuracy, Vintage, Completeness, Known issues/gaps, Implications

3:15-3:45 **Applications of REA Data in the BLM** (Kevin/Jamie)

- Using REA for landscape questions/problems
- Landscape approach to natural resource planning
- Projects with potential REA utility
- Other examples of landscape approaches; external to BLM
 - YKL REA to BSWI
 - CYR REA for BEACON

Alaska REA Training Course Agenda

- NOS REA for NSSI
- Look at landscape level patterns to help with planning/ analysis
- Discussion of submitted decision problems:
 - What are participants doing now to support decisions?
 - How to apply these products to select decision examples?

3:45-4:00 Open Discussion (Kevin)