

# WYNDD VEGETATION ECOLOGY PROGRAM FOCUS AND PROJECTS

## 2019 PARTNERS' MEETING

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### **CORE PRODUCTS: FOCUS OF VEG ECOLOGY PROGRAMS' WORK**

The 2 core products in bold typeface are the focus of our current work, and were mentioned in the presentation at the partner's meeting. Those in normal typeface were not mentioned in the presentation, and we will work on them in the future.

- 1. Wyoming-specific accounts of ecological systems, referenced to primary and gray literature. The accounts will be available through WYNDD's Field Guide.**
  2. List of ecological systems in the state, describing their distribution.
  - 3. Vegetation samples data, in the Samples Subsystem of WYNDD's database.**
  4. Guide to vegetation and landcover maps, providing information about the availability and features of maps for Wyoming.
  5. WYNDD reports, at <http://www.uwyo.edu/wyndd/reports-and-publications/>.
  6. Field methods, protocols, and technologies (such as electronic data collection apps) for use in surveys and inventories of Wyoming biota and habitats
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### **PROJECTS: CURRENT AND JUST COMPLETED**

- 1. EPA Online Wetland Information and Spatial Data**
  - EPA wetland program development grant, through September 2022
  - Development of WYNDD's Field Guide platform, Species List viewer, Samples Subsystem, new Wetlands Web Page
  - Writing ecological systems accounts, entering data into Samples Subsystem
- 2. Wyo-Specific Wetland Monitoring and Assessment Tool**
  - EPA wetland program development grant, through June 2020
  - Development of a tool for assessing wetlands created or augmented by irrigation
  - Tool will be on wetlands website, and data will be in Samples Subsystem

### **3. Groundwater-Dependent Ecosystem Survey, Shoshone National Forest**

- USFS cooperative agreement, through April 2020
- Survey of the distribution and nature of groundwater wetlands, using USFS's GDE protocol
- Information for wetland ecological systems accounts, data for Samples Subsystem

### **4. Springs Survey, Medicine Bow National Forest (New project, with details still to be planned)**

- USFS cooperative agreement, through January 2023
- Survey of springs (type of groundwater-dependent ecosystem)
- Information for ecological systems accounts, invertebrate species accounts, invertebrate species observations; data for Sample Subsystem

### **5. Limber Pine Information For SW Wyoming**

- BLM cooperative agreement, ended September 2019
- Collected and summarized existing information about limber pine (a BLM sensitive species) in the Rock Springs, Kemmerer, and Pinedale field offices
- Information Limber Pine - Juniper ecological systems account and for Limber Pine species account, and data for Samples Subsystem

### **6. *Modeling the Distribution and Abundance of Sage-grouse Insect Prey***

*Not covered in the talk at the partners meeting.*

- *BLM cooperative agreement, through September 2021*
- *Sample vegetation and collect insects in June, in central Wyoming*
- *Information for ecological systems accounts and invertebrate species account, for Samples Subsystem, and for invertebrate species observation records*