One Steppe

ONE STEPPE AND THE ROLE OF DATA COLLECTION IN ADAPTIVE MANAGEMENT

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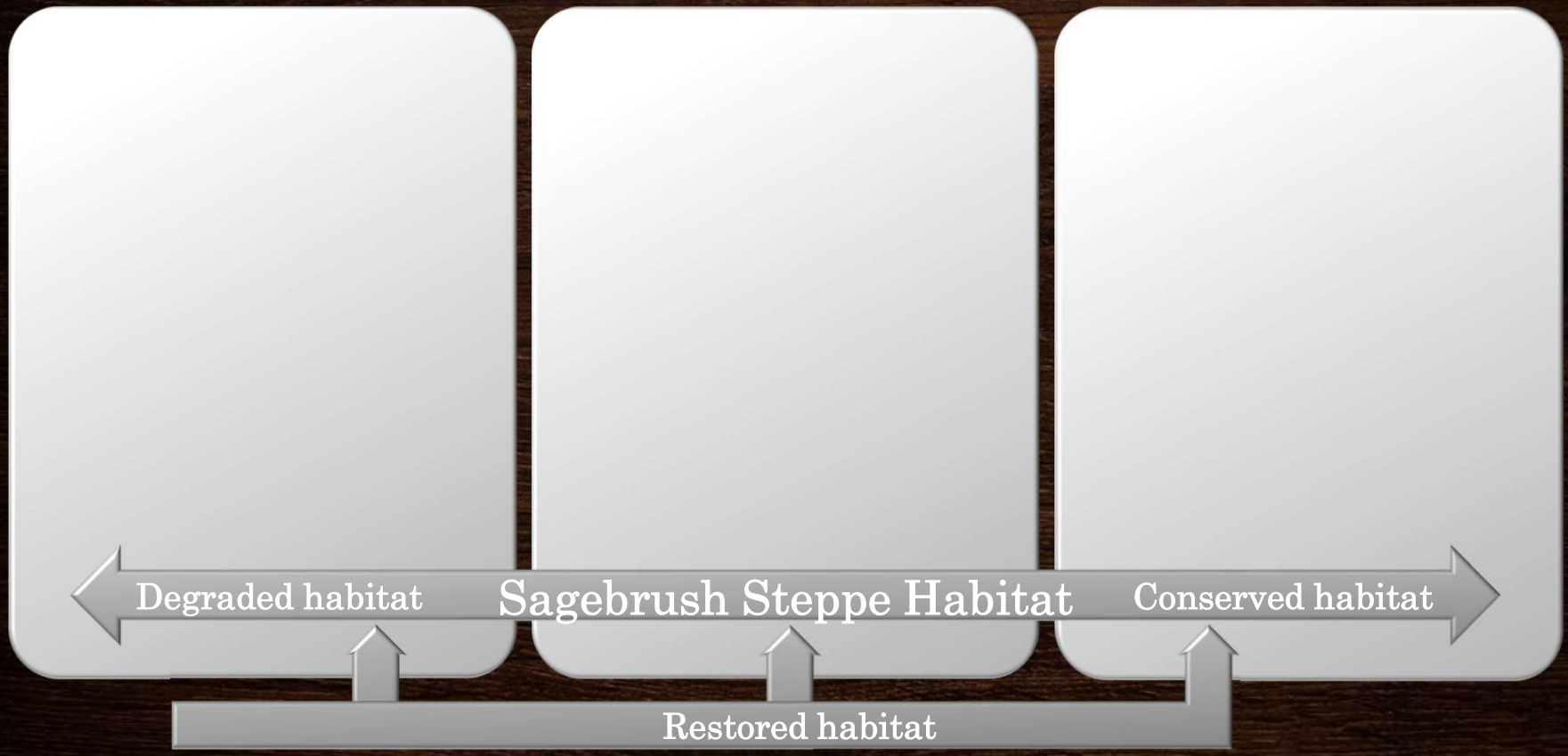
Wyoming Geographic Information Science Center | Wyoming Reclamation and Restoration Center

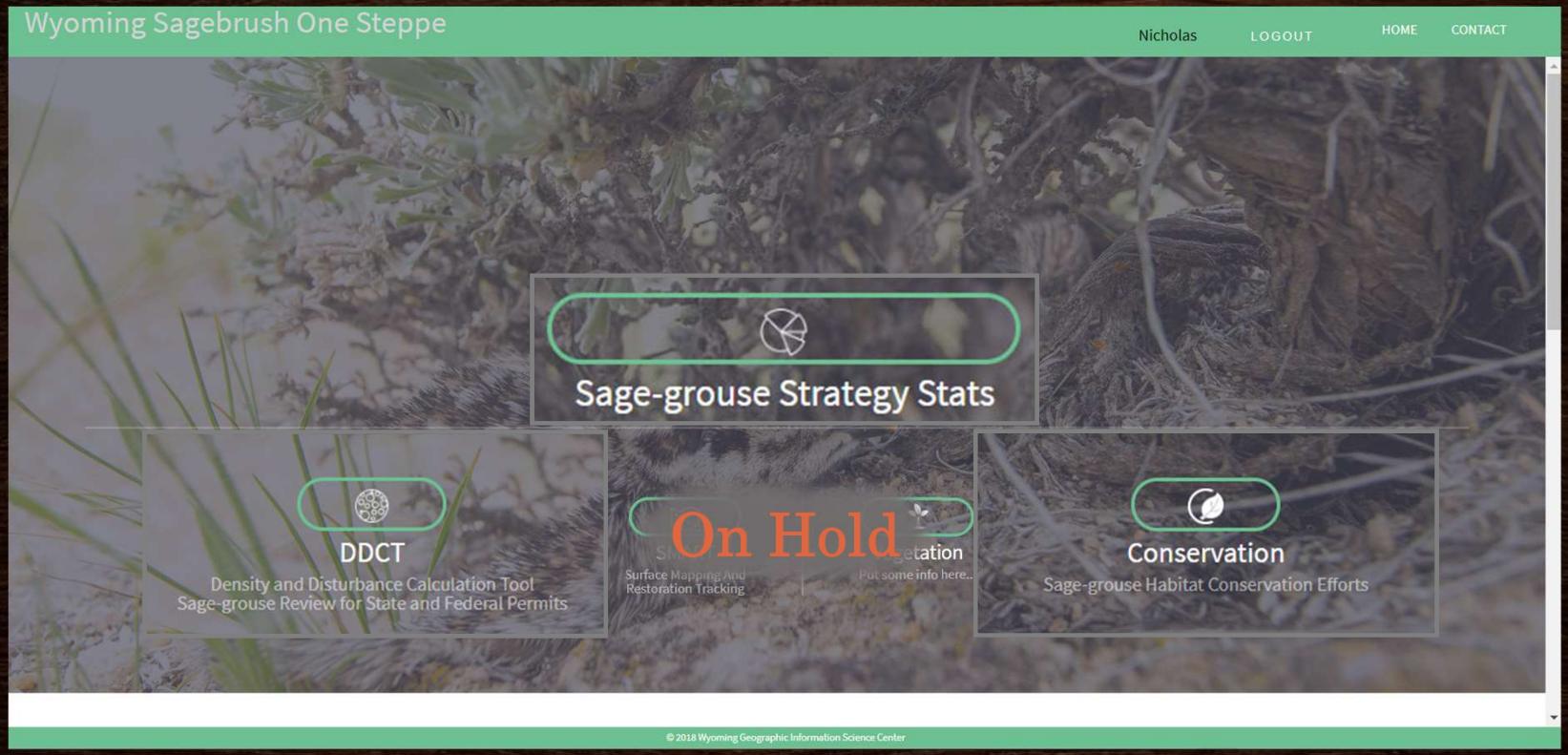
PROGRESS UPDATE

One Steppe Application Development

Tracking Changes to the Sagebrush Habitat



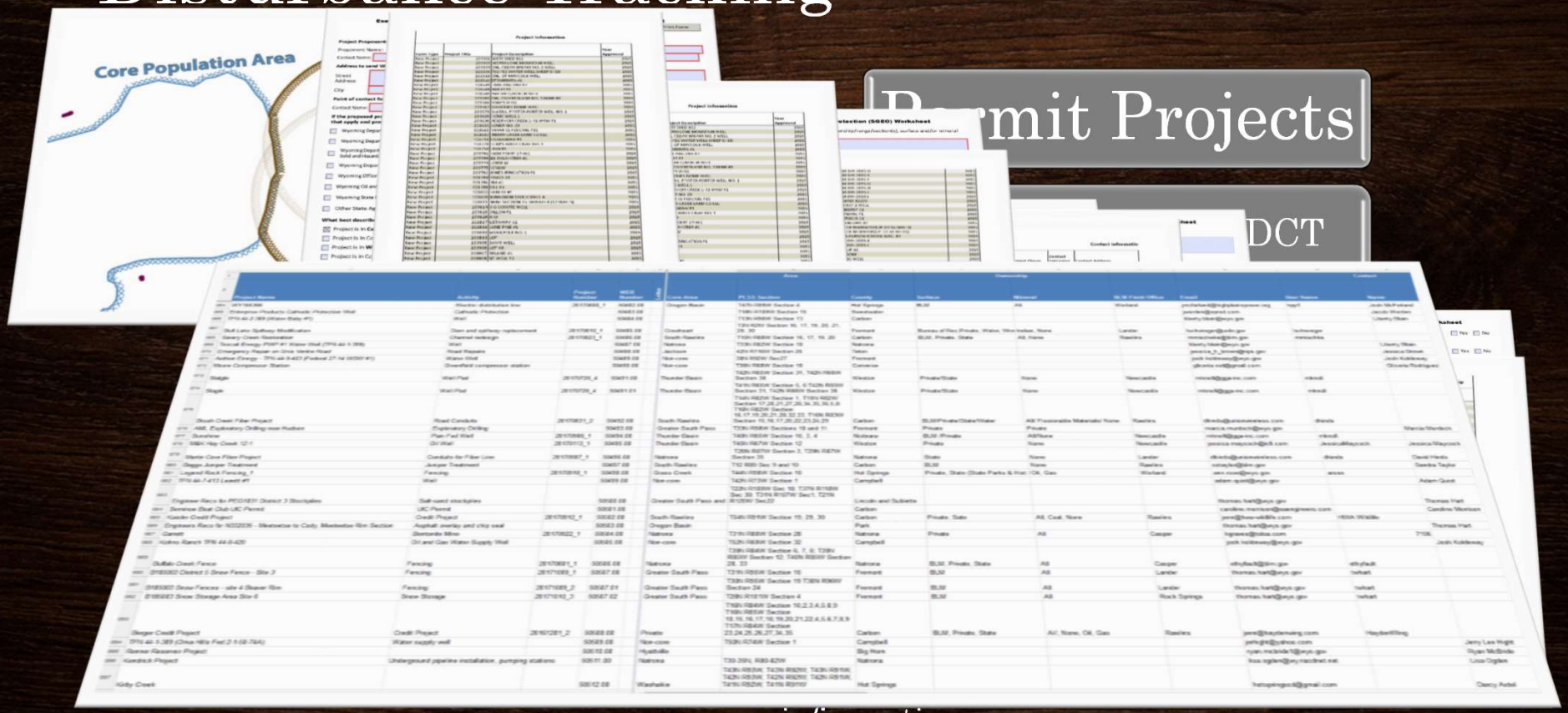
One Steppe Website



LOOK AND FEEL

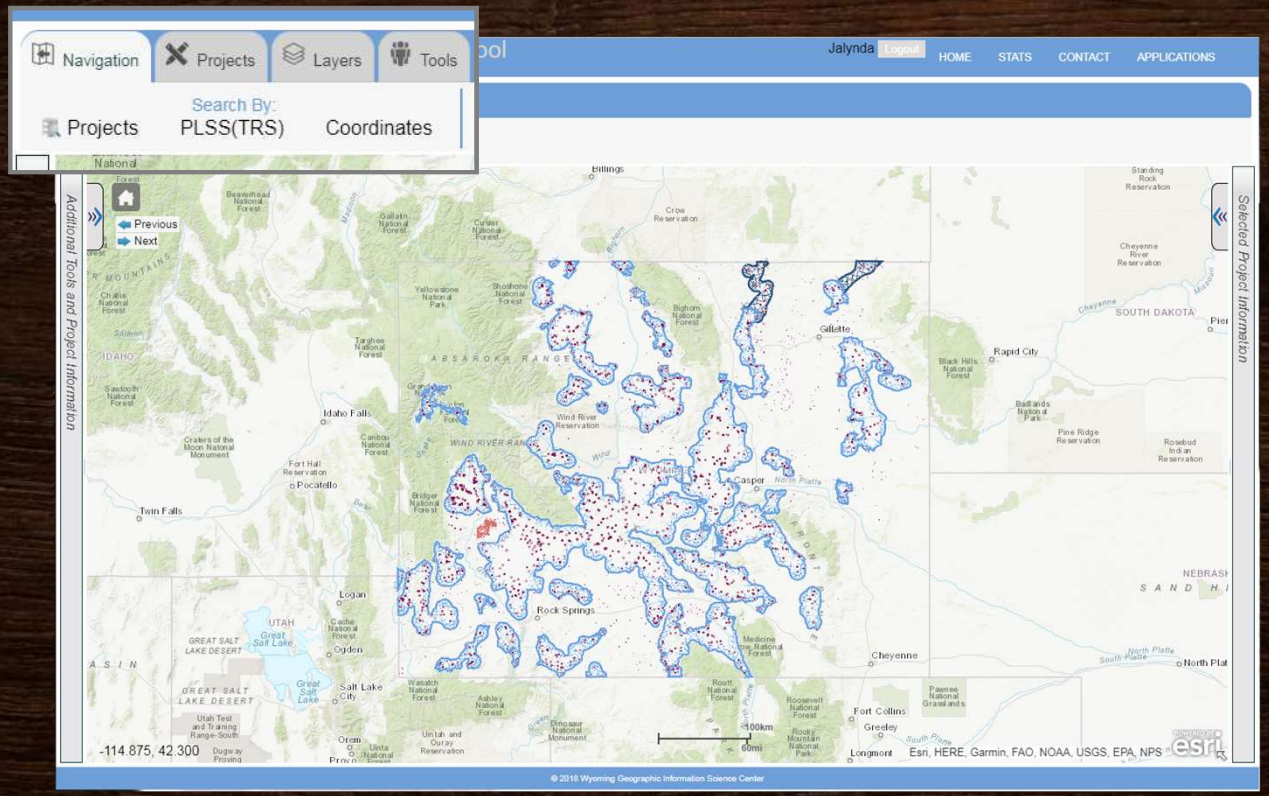
Density and Disturbance Calculation Tool (DDCT) 2.0

Disturbance Tracking



information

DDCT 2.0 - Home


Navigation
Projects
Layers
Tools
Search By:
Projects
PLSS(TRS)
Coordinates
Jalynda
Logout
HOME
STATS
CONTACT
APPLICATIONS
Previous
Next
Additional Tools and Project Information
Selected Project Information
-114.875, 42.300
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS
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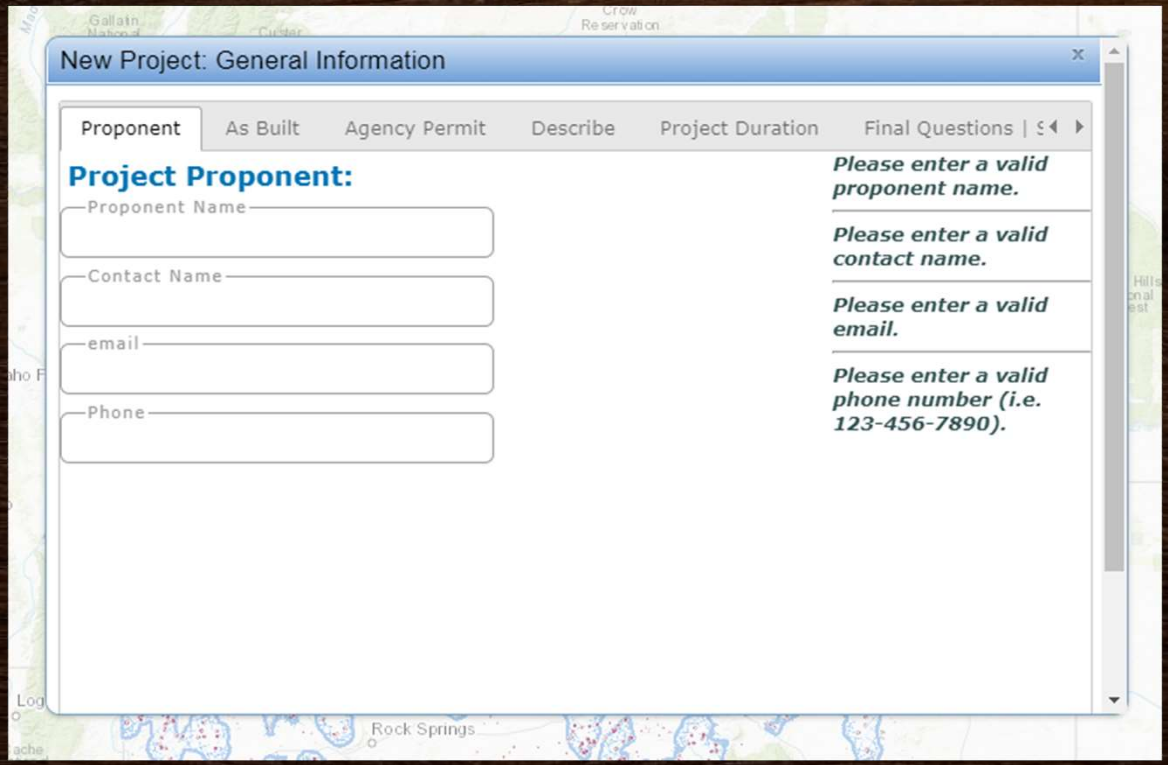
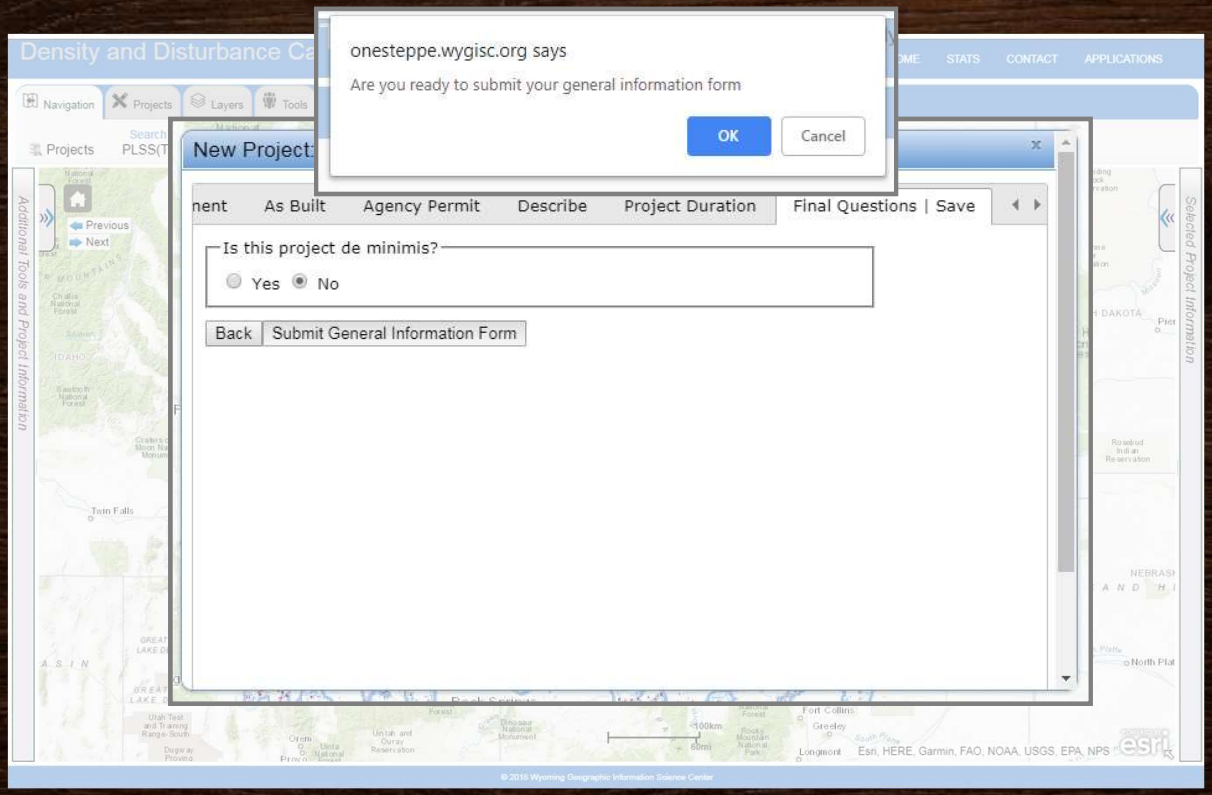
DDCT 2.0 – Create New Project

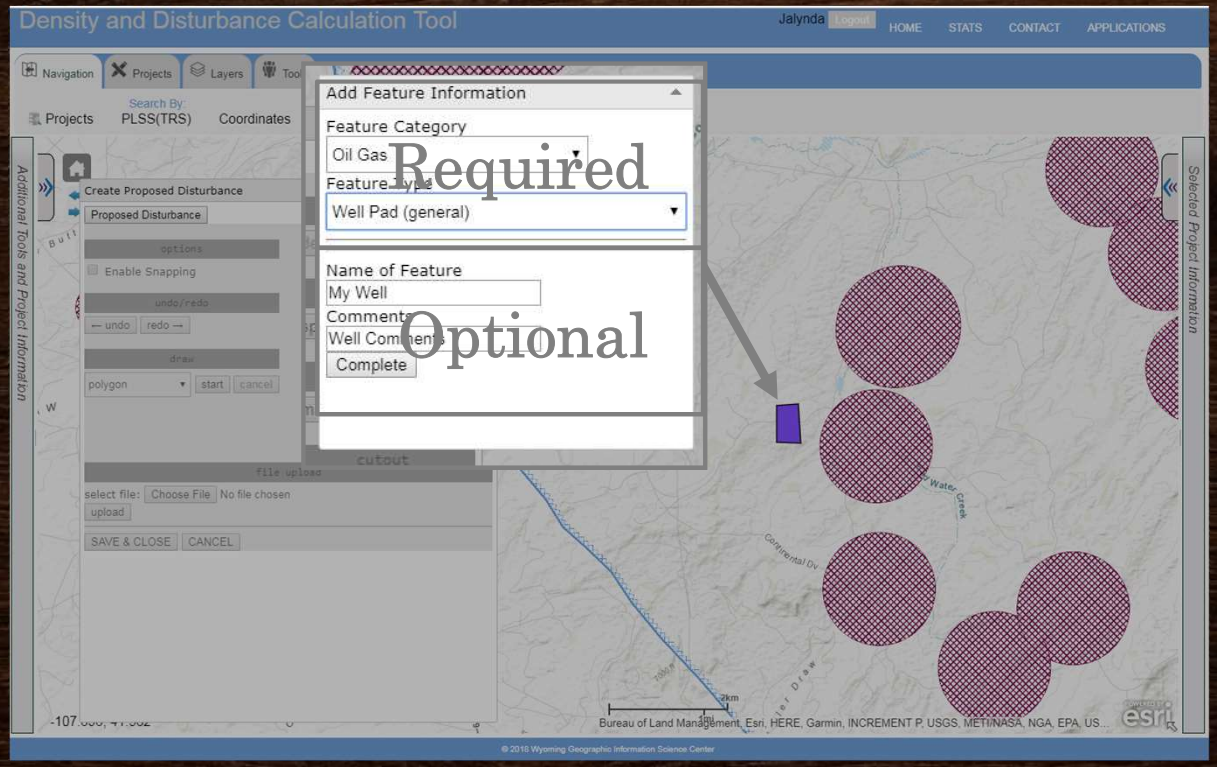


DDCT 2.0 – Submit Project and De Minimis



NEG1

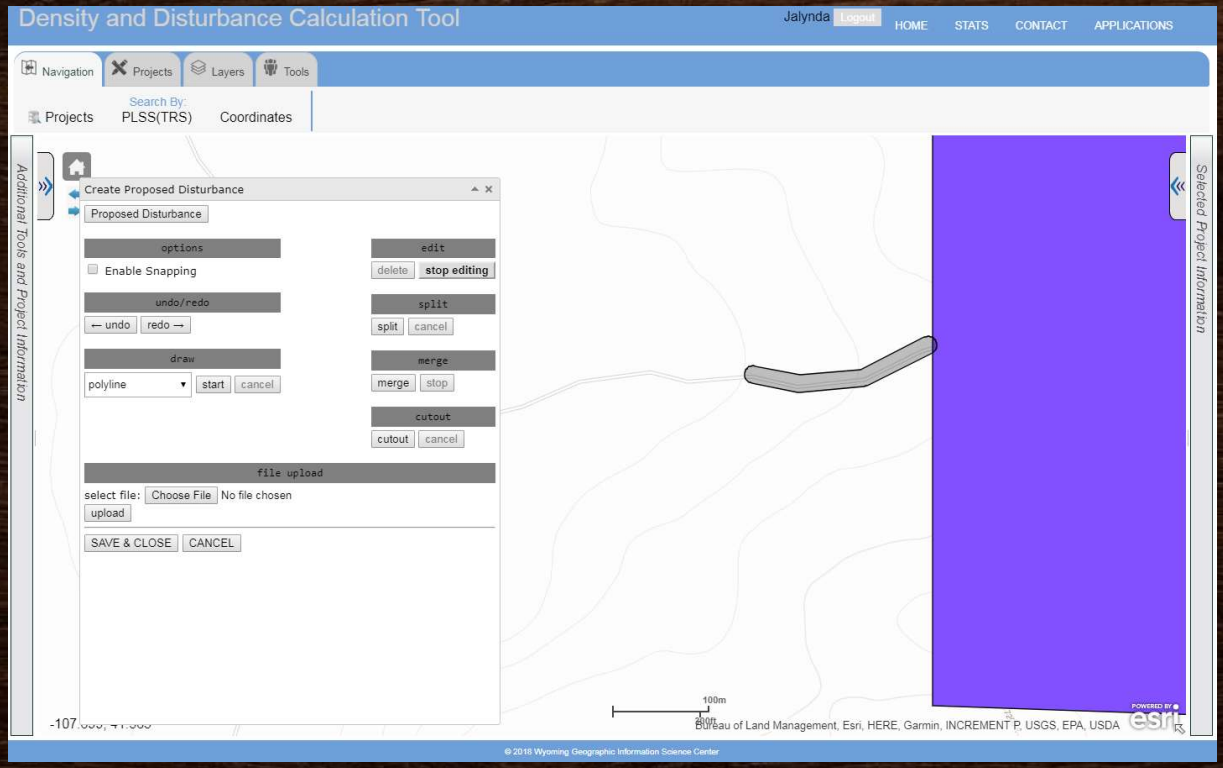
DDCT 2.0 – Proposed Disturbance



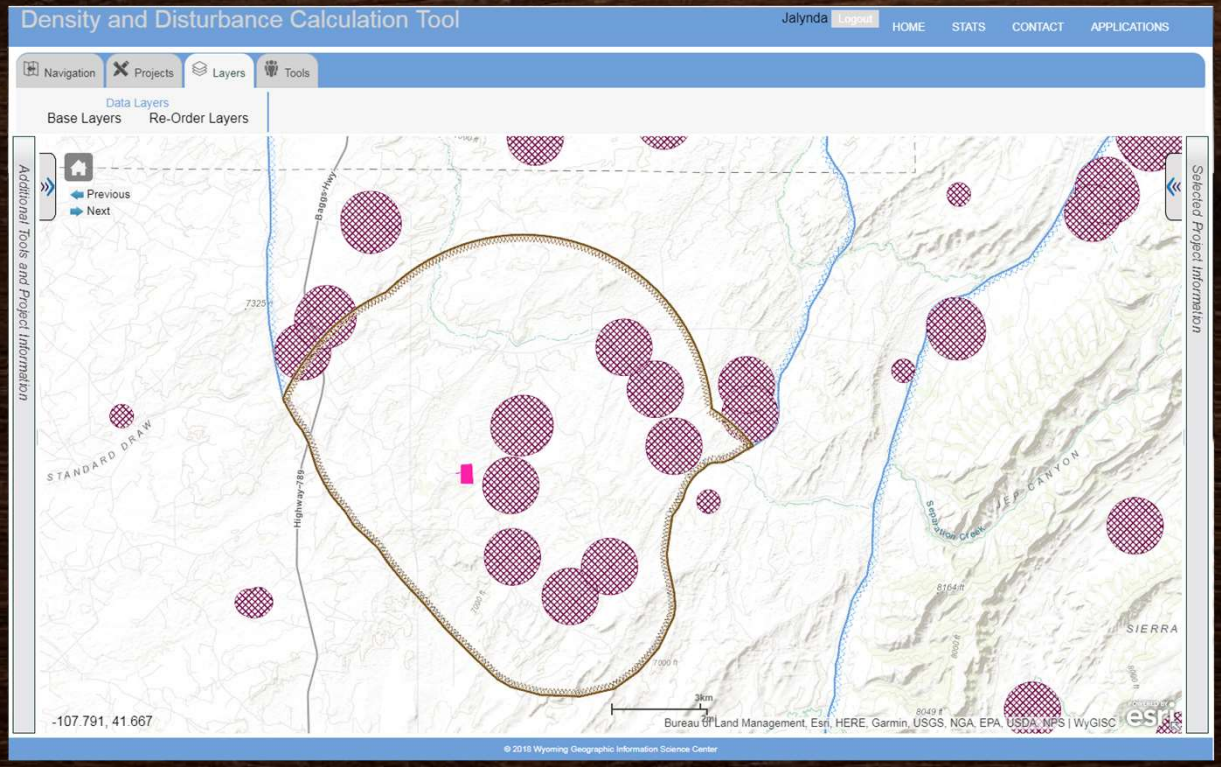
Slide 10

NEG1 Nicholas E. Graf, 12/10/2018

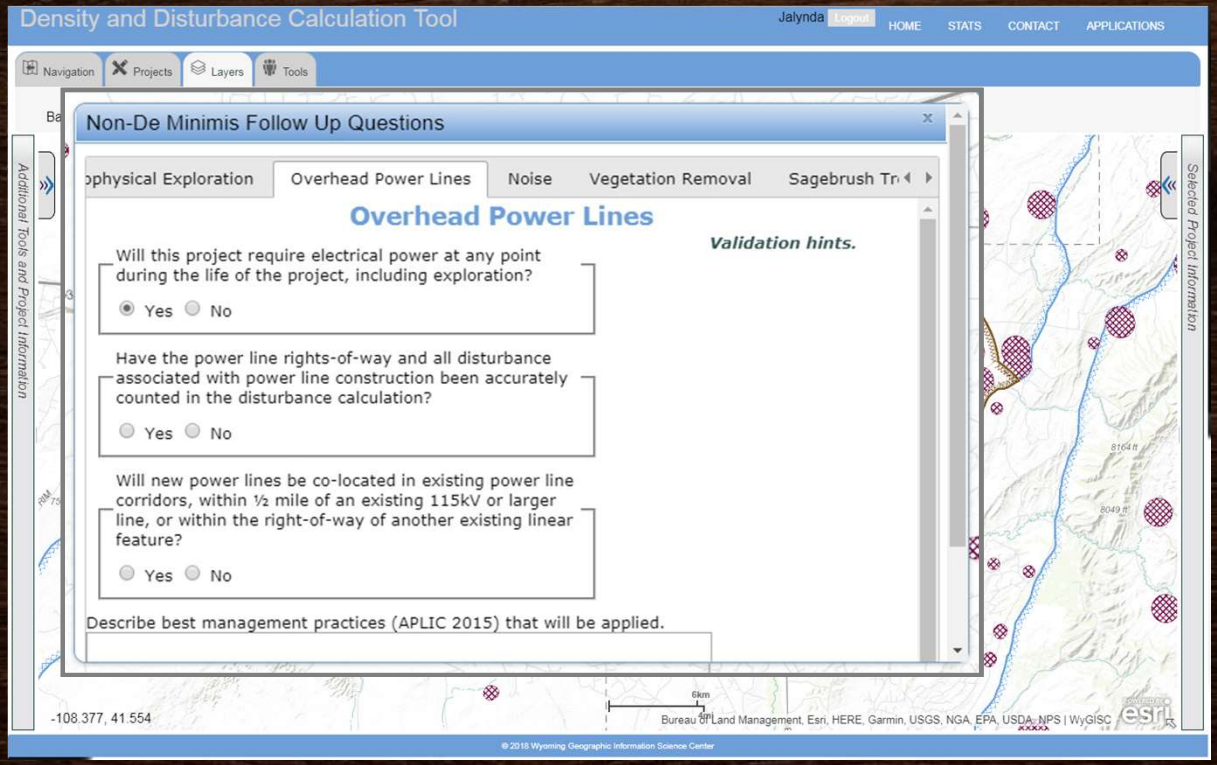
DDCT 2.0 – Linear Feature



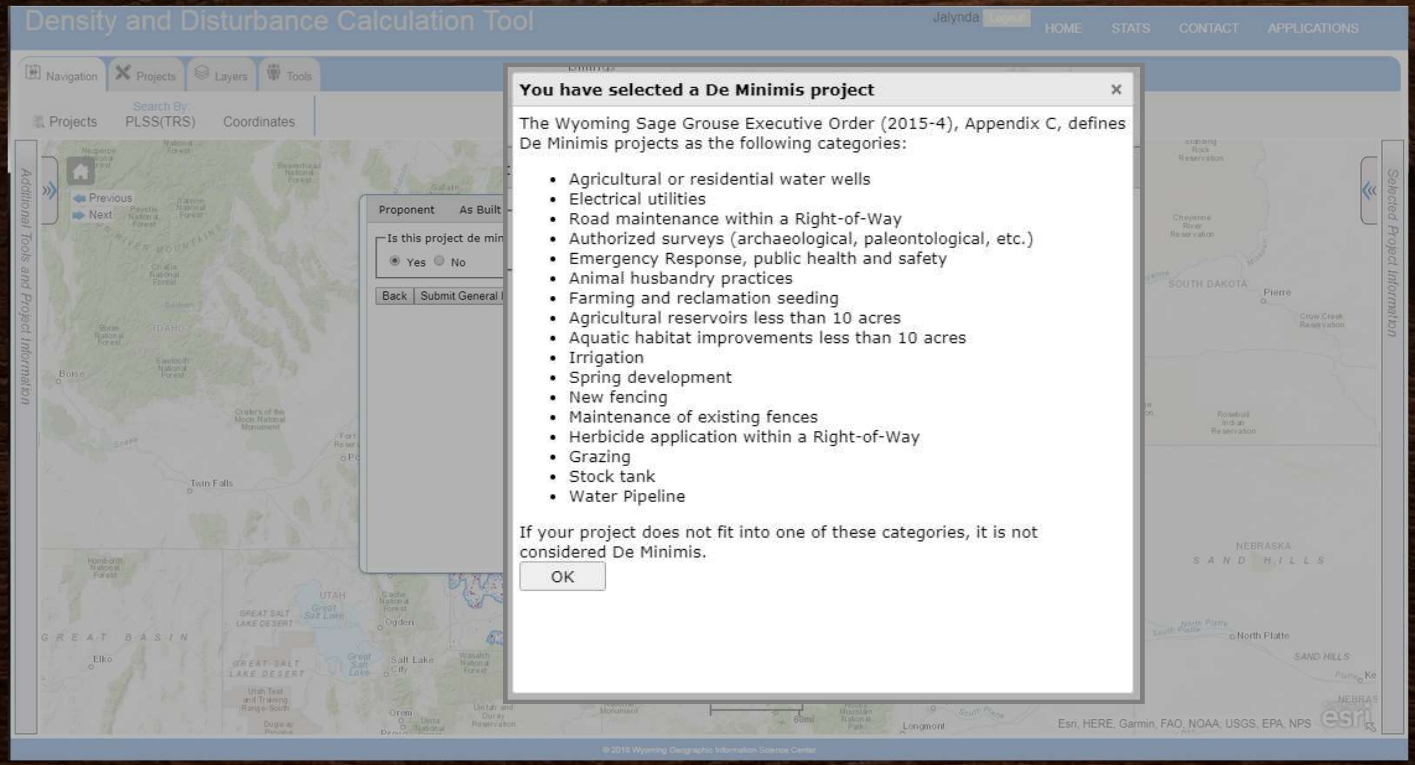
DDCT 2.0 – Assessment Area



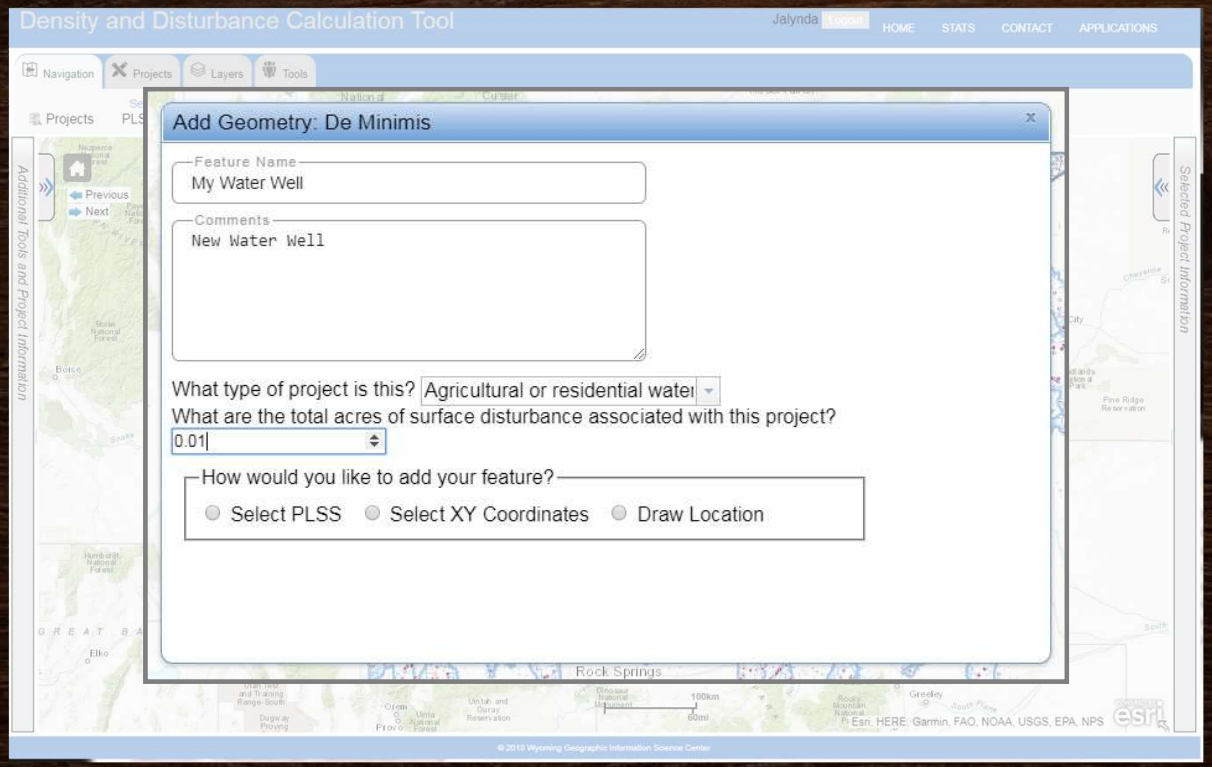
DDCT 2.0 – Follow Up Questions



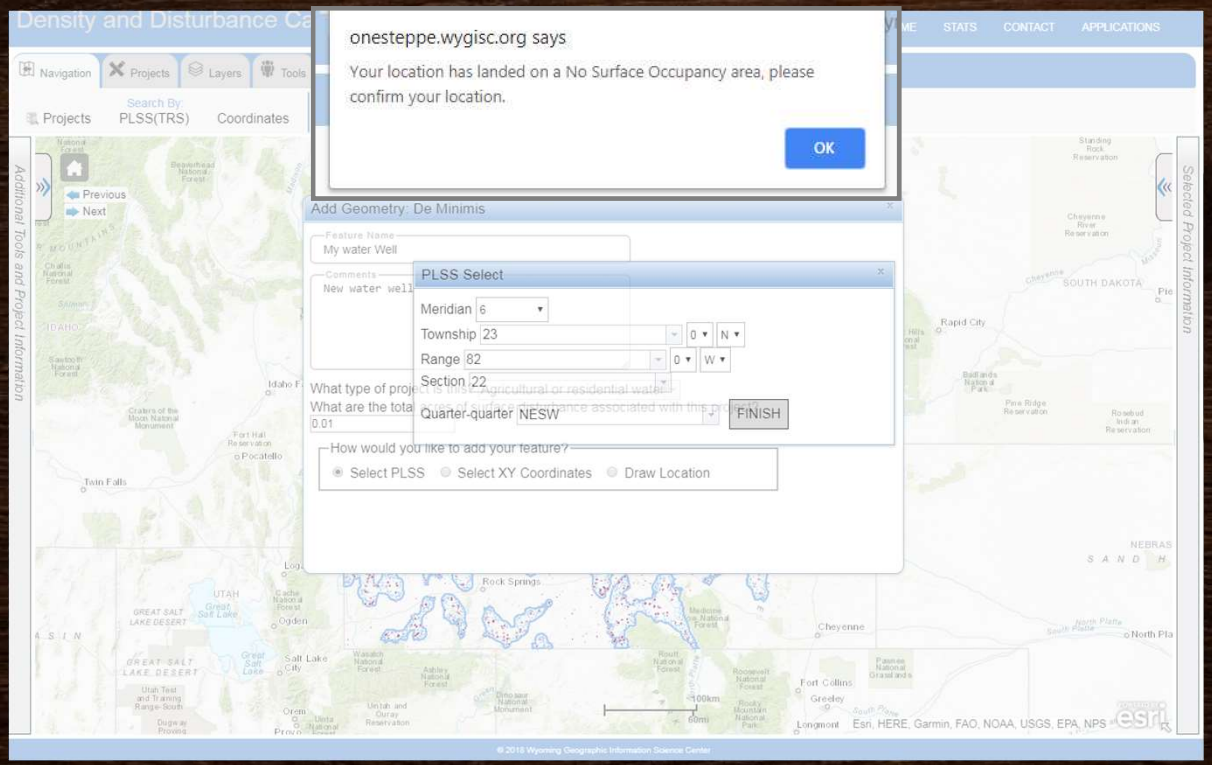
DDCT 2.0 – De Minimis Project



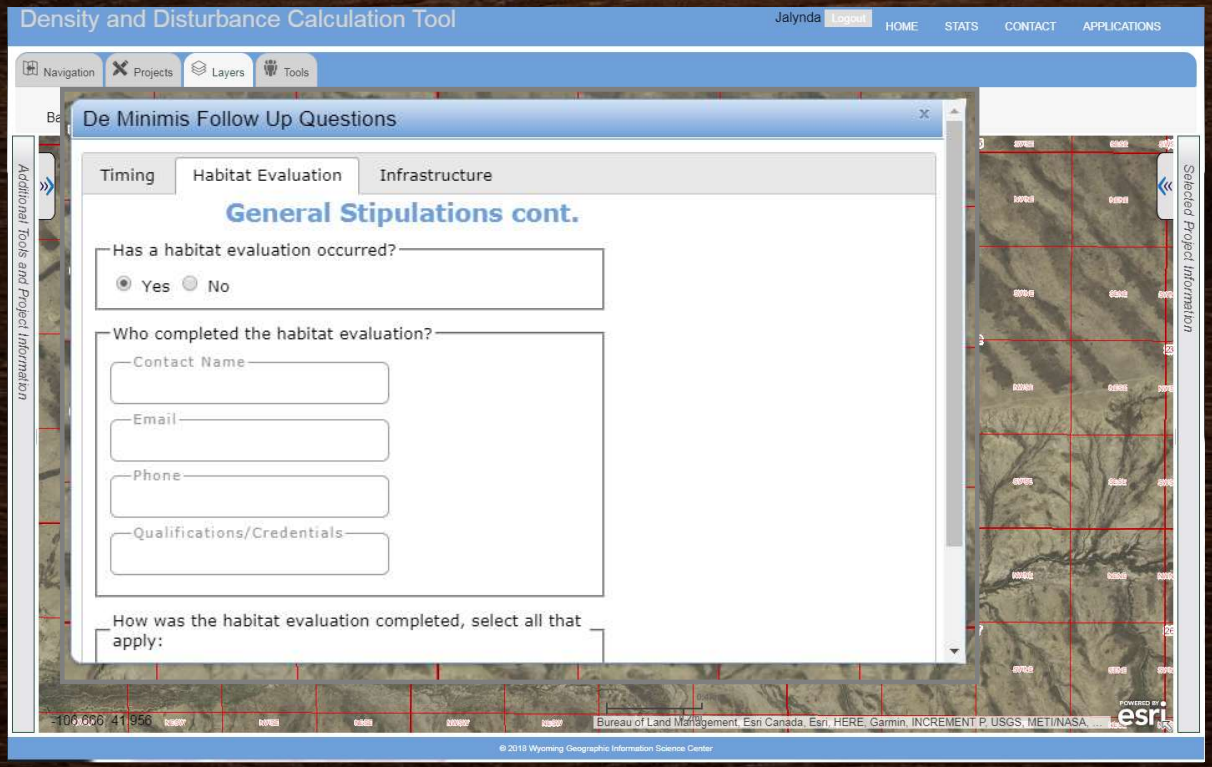
DDCT 2.0 – De Minimis Geometry



DDCT 2.0 – De Minimis NSO



DDCT 2.0 – Verify Location



LOOK AND FEEL

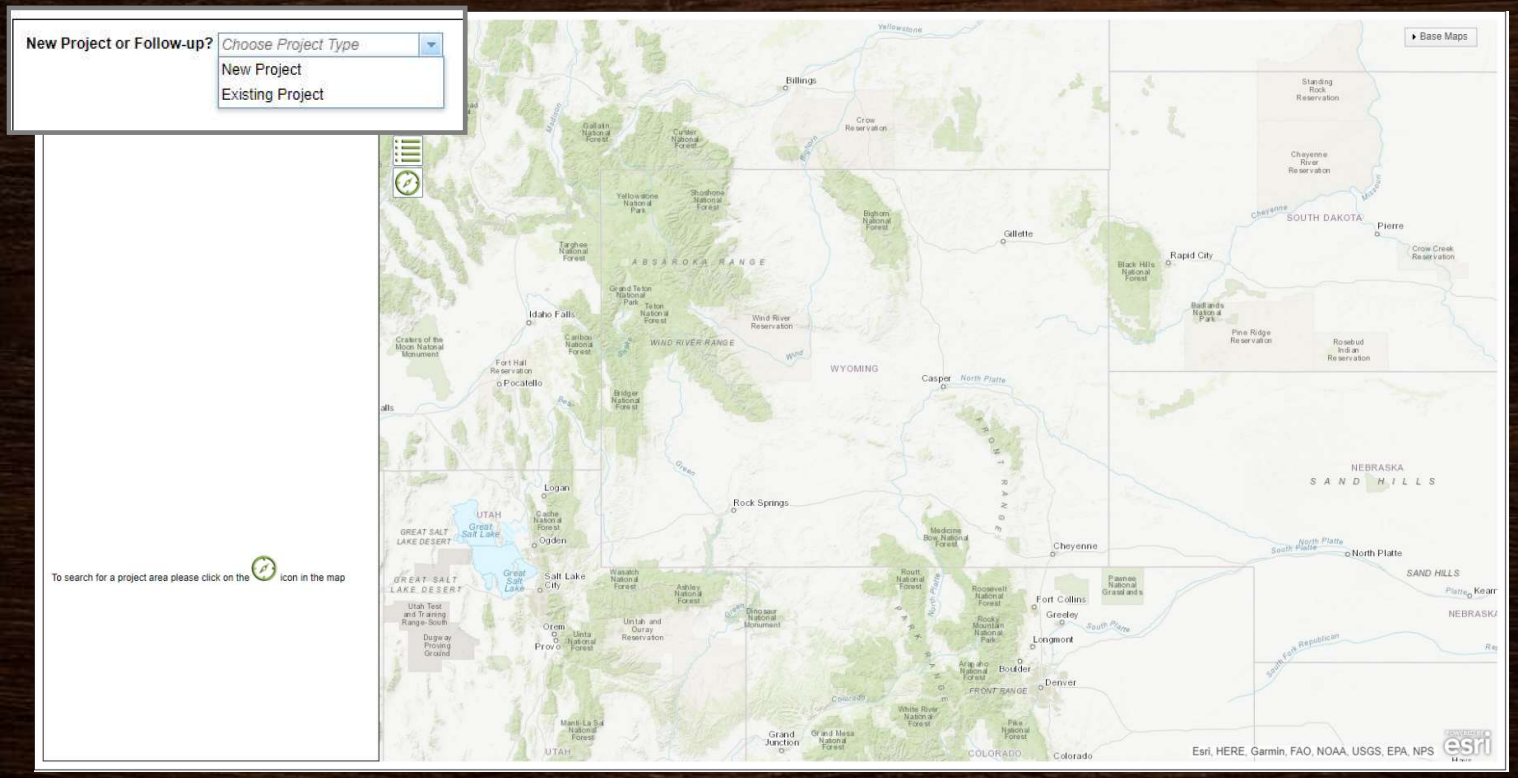
Wyoming Conservation Efforts (WyCED)

Conservation Effort

Participation in WyCED

- Minimal Data Requirements
  - Allows for the collection of spatial data
  - Update Statewide Disturbance Inventory
  - Future use in Vegetation Monitoring Web Application
- Private Land Reporting Units
  - Private land data generalized to a consistent area
  - Biologically significant unit
  - Over 7 landowners per unit

WyCED - Home


New Project or Follow-up?
Choose Project Type
New Project
Existing Project
To search for a project area please click on the icon in the map
Base Maps
Billings
Gillette
Rapid City
Pierre
SOUTH DAKOTA
WYOMING
Casper
Cheyenne
Rock Springs
Idaho Falls
Pocatello
Logan
Ogden
Salt Lake City
Provo
Fort Collins
Greeley
Longmont
Boulder
Denver
Grand Junction
North Platte
NEBRASKA
SAND HILLS
ABSAROKA RANGE
WIND RIVER RANGE
FRONT RANGE
UTAH
COLORADO
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS

WyCED – New Project

New Project or Follow-up? *New Project*

Project Information:

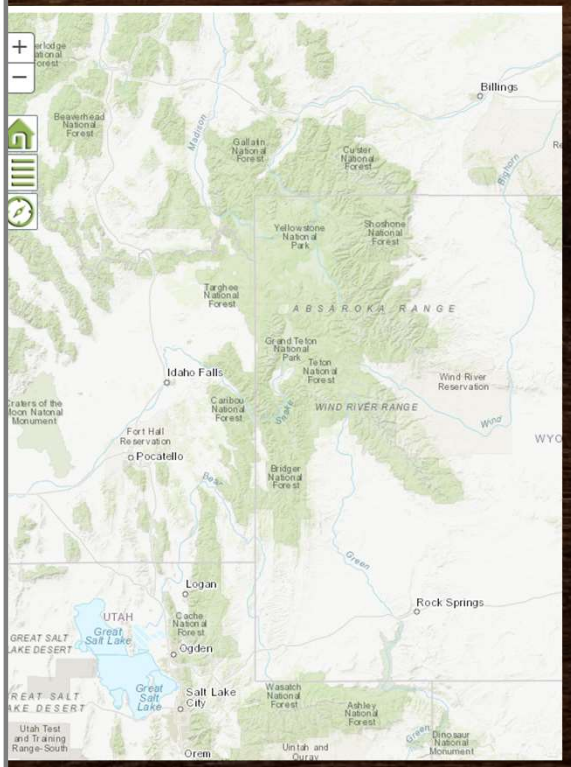
Project Number:	NewProjectNumber
Project Title:	
Project Description:	
User Name:	
User Email:	
Project Created Date:	
Project Approved Year:	
Lead Agency:	*Choose Agency*

Agency Contact Information:

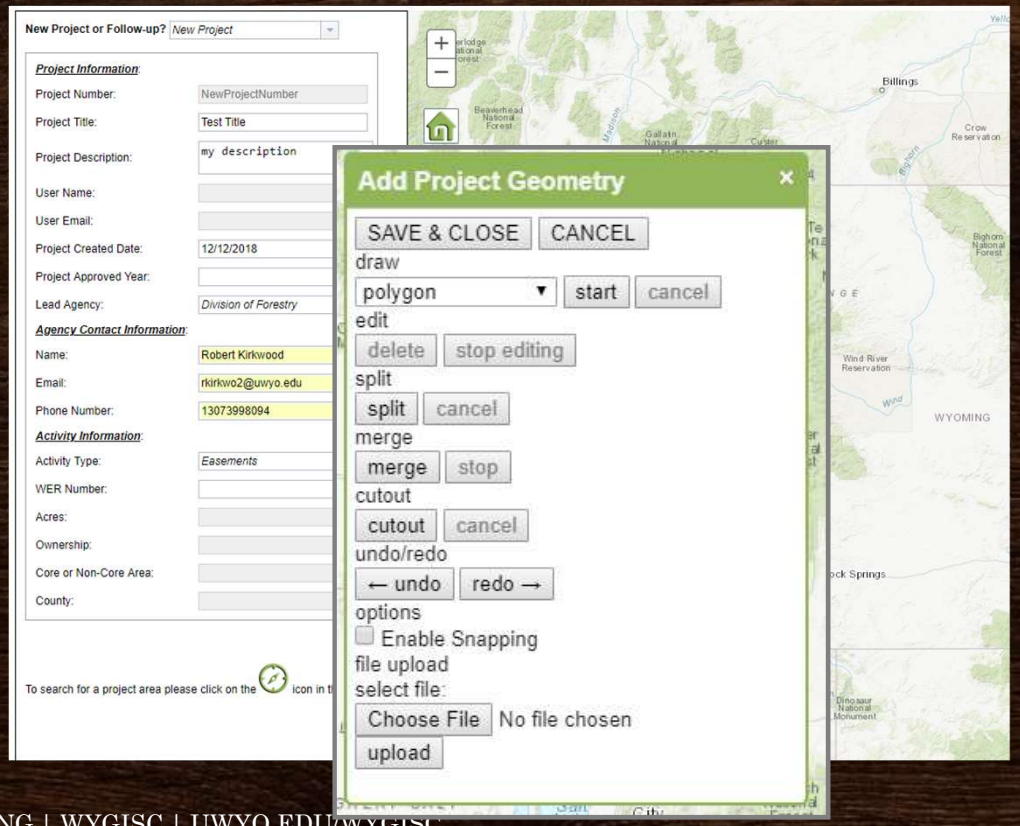
Name:	
Email:	
Phone Number:	

Activity Information:

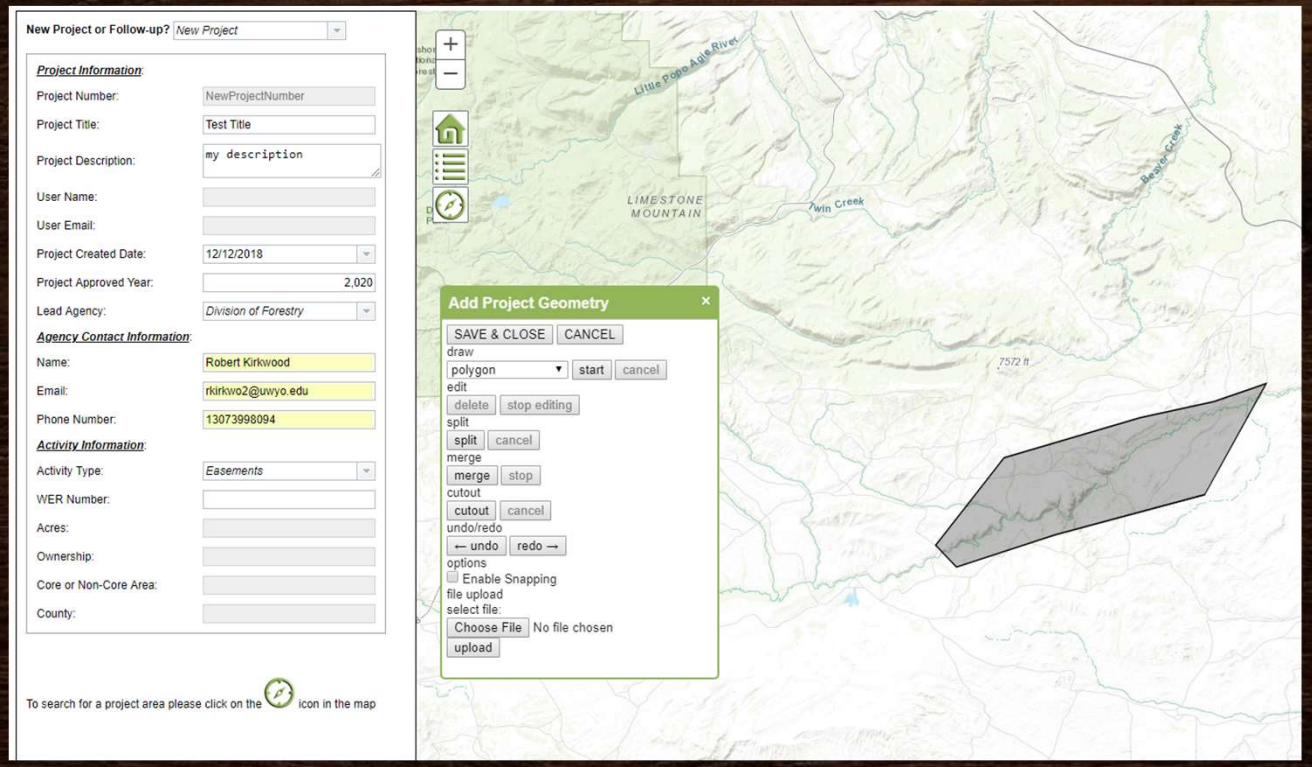
Activity Type:	*Choose Activity*
WER Number:	
Acres:	
Ownership:	
Core or Non-Core Area:	
County:	



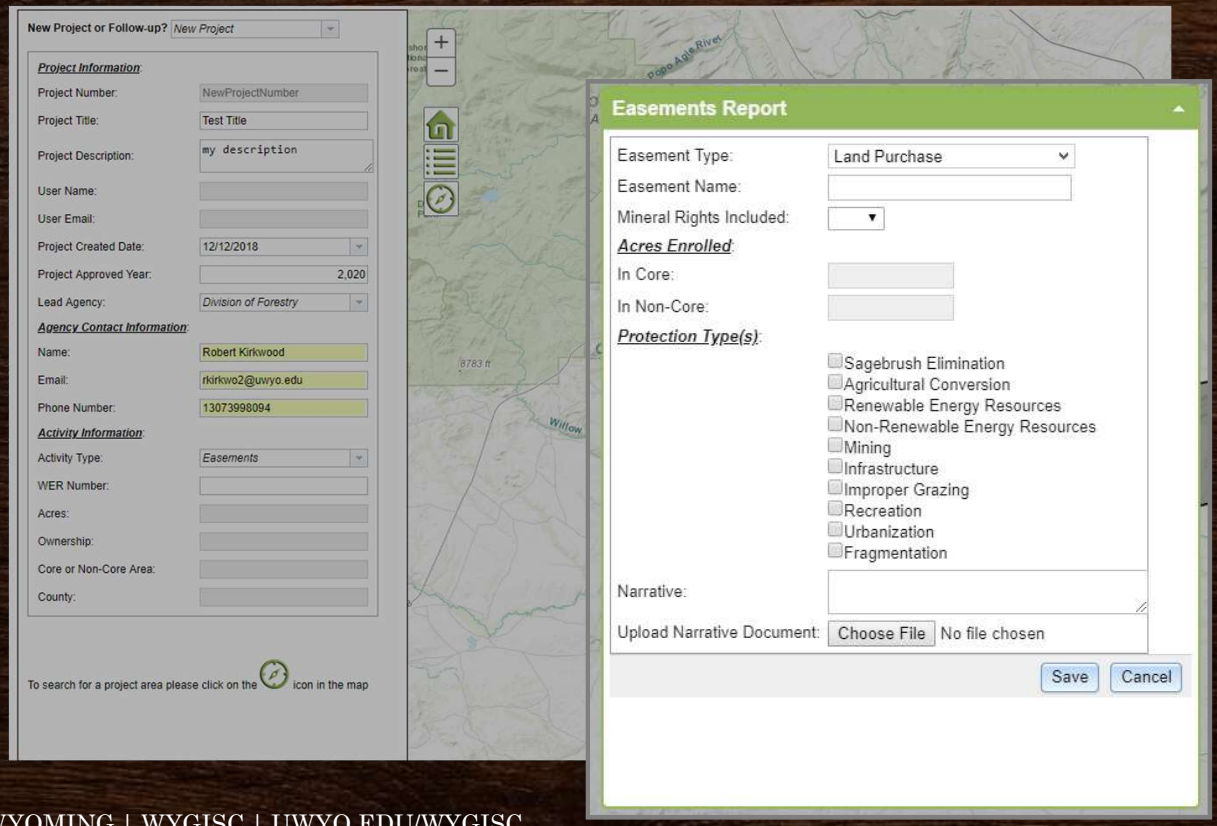
WyCED – Add Geometry



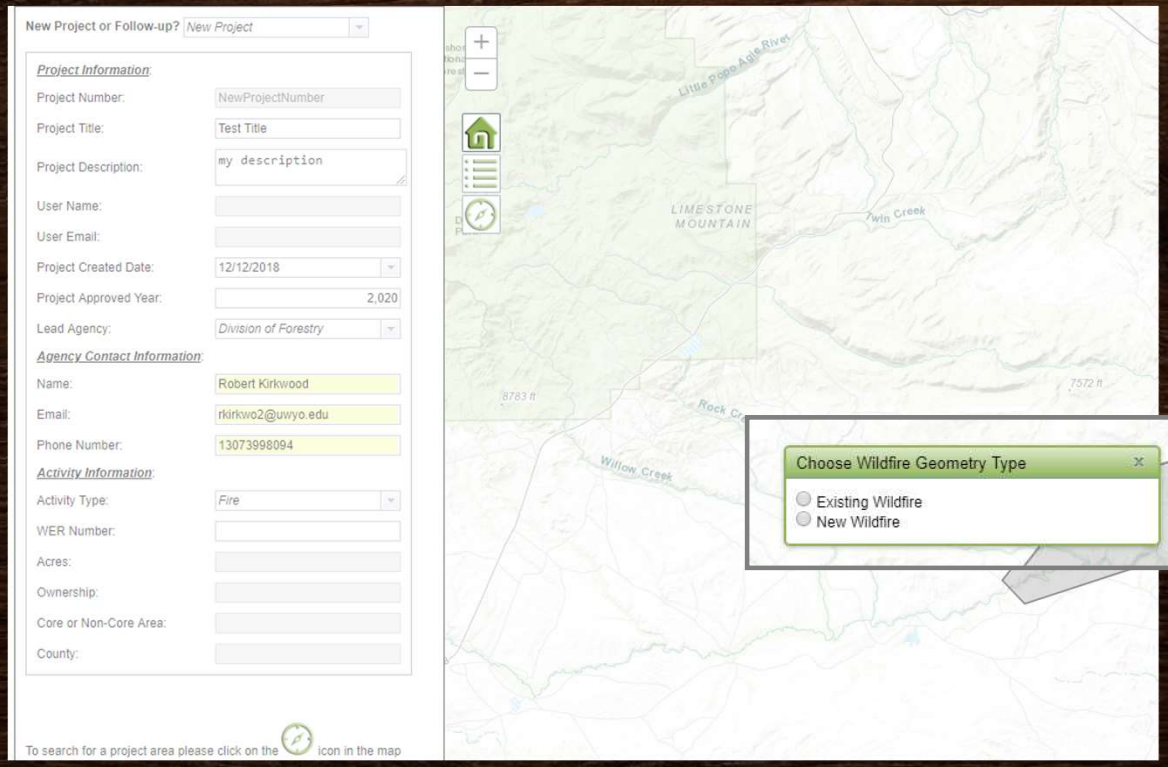
WyCED – Add Geometry



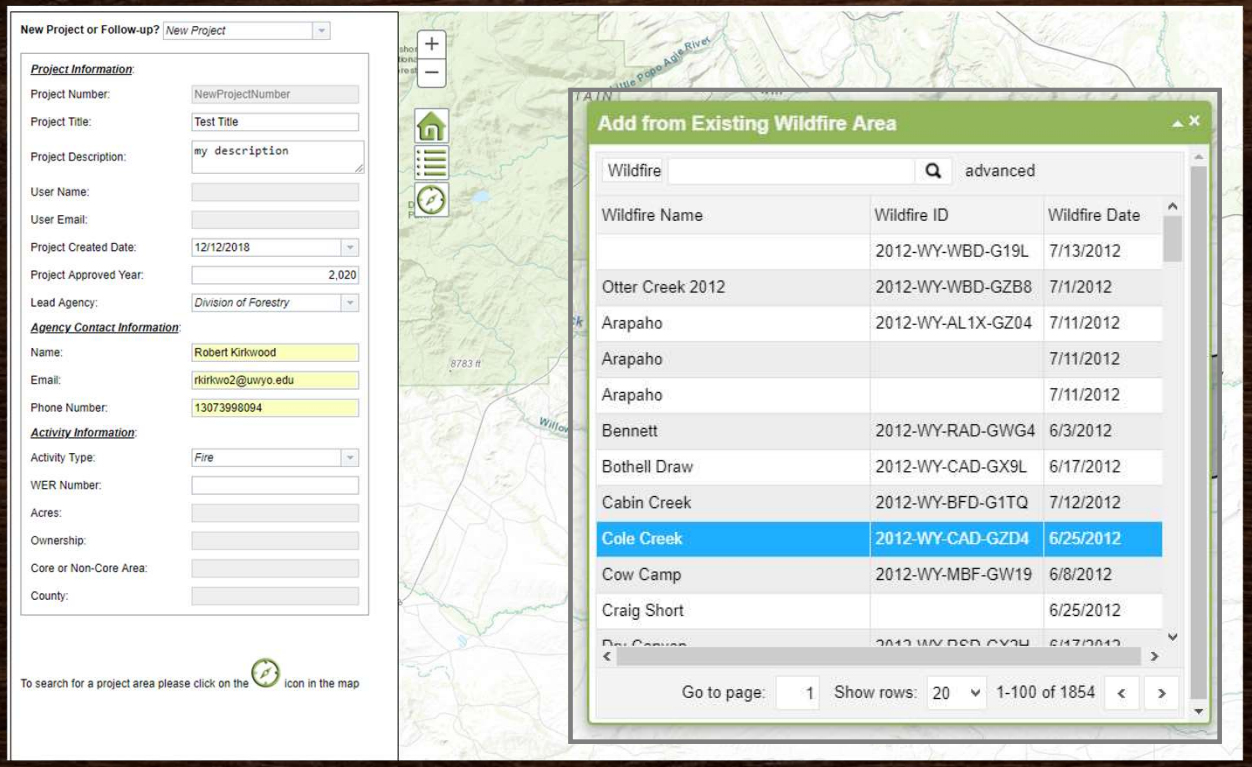
WyCED – Easements



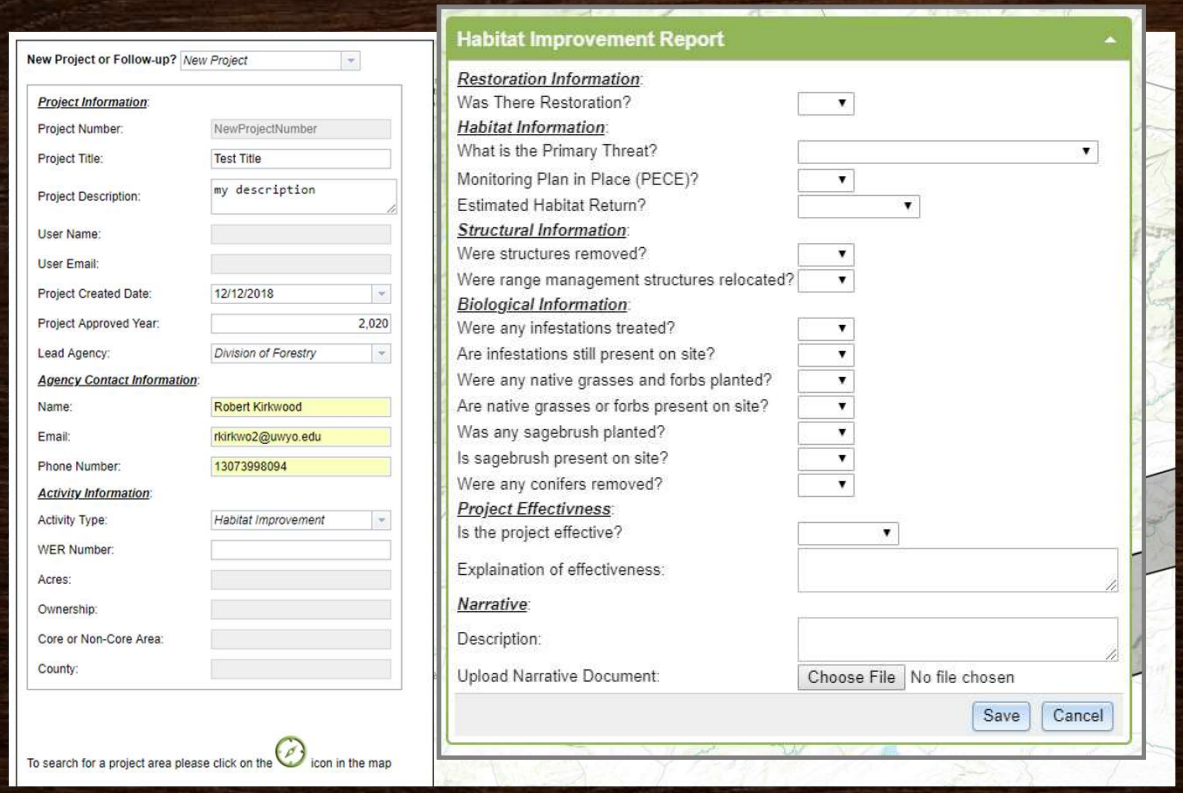
WyCED – Wildfire Restoration



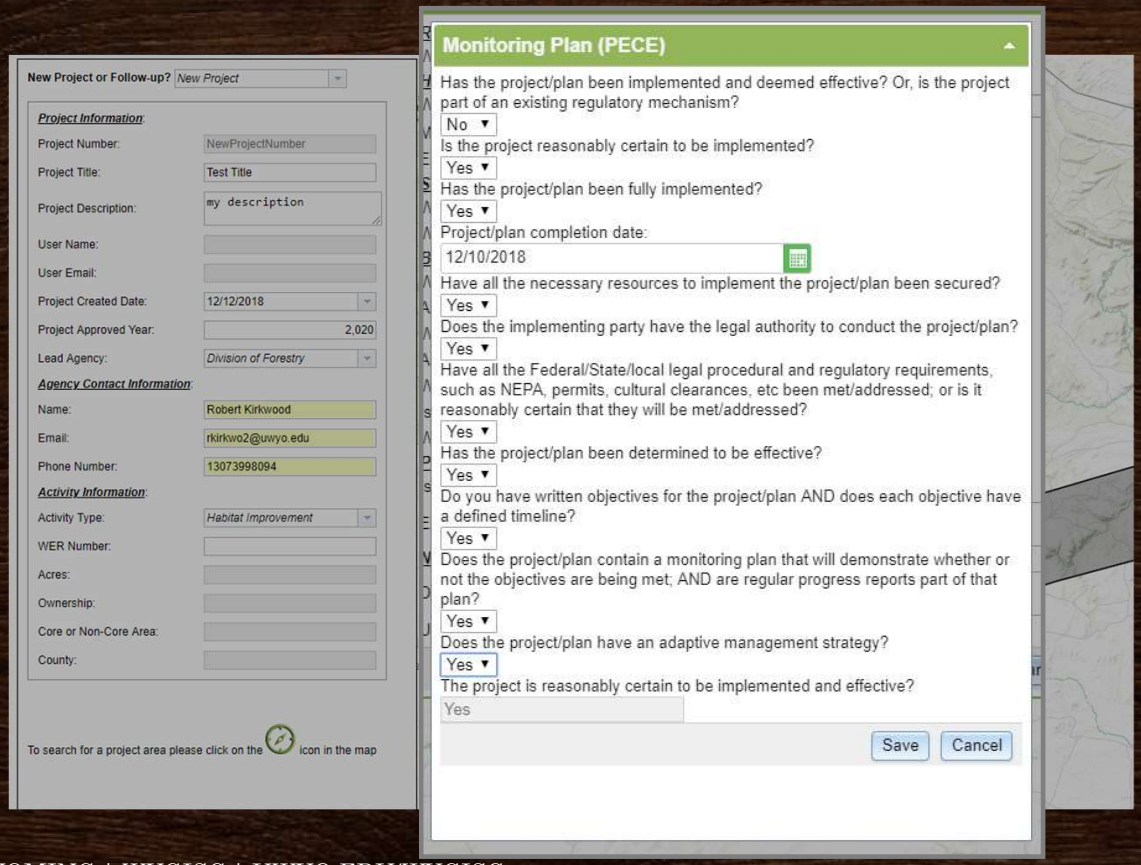
WyCED – Wildfire Restoration



WyCED – Habitat Improvement



WyCED – Habitat Improvement - Monitoring



Adaptive Management

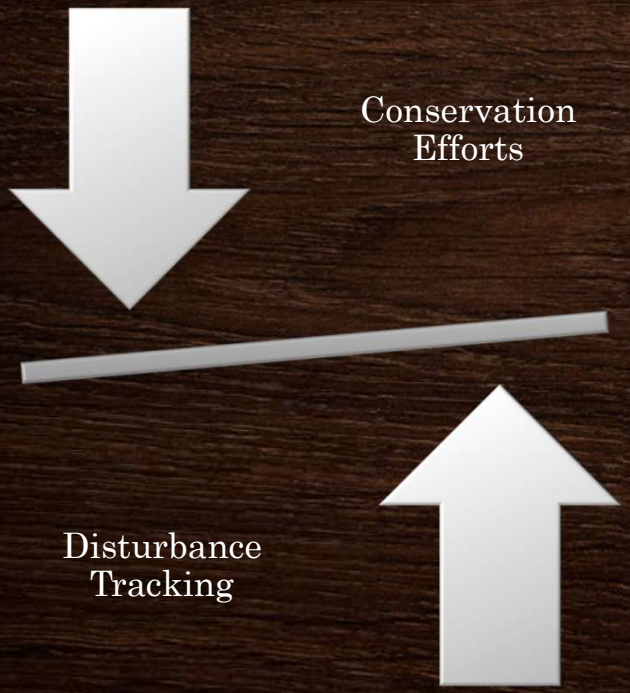
Adaptive Management Triggers

- Number of active leks
- Acres of available habitat
- Population trends based on annual lek counts

Data Gathering

- Disturbance Tracking
  - DDCT
    - Proposed Disturbance
    - Imagery Analysis
  - Partner Agencies
    - Fire Data
    - Unit Information
- Conservation Efforts
  - WyCED
    - Habitat Improvement
      - Restoration Data
      - Vegetation Treatments
    - Easements
    - Fire Restoration
  - Partner Agencies
    - WWNRT
    - USFWS

One Database - Sagebrush Steppe Tracking



- Project Interactions
- Status of Core Area or Assessment Area
  - Number and size of projects
    - Permit
    - Conservation / Habitat Improvement
  - Thresholds
    - Trends

Sagebrush Steppe Tracking – Projects

Threat (as identified by the USFWS COT Report)	Running Total and Prior Calendar Year		
	Projects Information	Development Activities Effect	De Minimis Activities
Energy, Mineral Development, and Mining			
Ag Conversion			
Infrastructure			
Urbanization			
RX Burns and Treatments			
Wildfire			

Sagebrush Steppe Tracking – Conservation Efforts

Threat (as identified by the USFWS COT Report)	Running Total and Prior Calendar Year				
	Conservation Activities				
	Easements	Regulatory Reclamation	Habitat Improvement and Restoration*	Volunteer Actions	Other
Energy, Mineral Development, and Mining					
Ag Conversion					
Infrastructure					
Urbanization					
RX Burns and Treatments					
Wildfire					
Conifer Encroachment					
Annual Grasses & Weeds					

Thank you

Wyoming Geographic Information science Center

Wyoming Game & Fish Department

Wyoming Reclamation and Restoration Center

Bureau of Land Management

US Forest Service

Petroleum Association of Wyoming