



Bittersweet,



Bunnies,



**Bats
and
Partners**

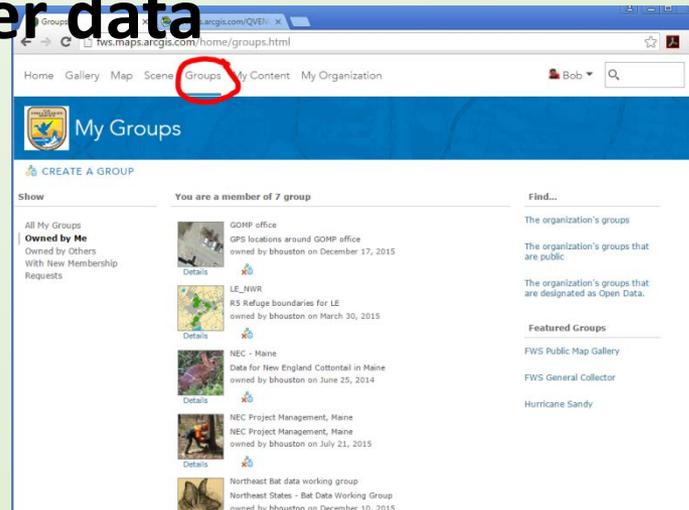
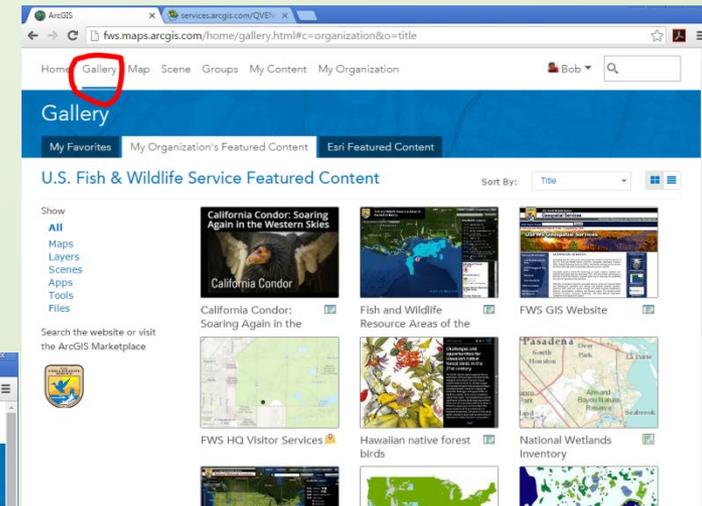


Bob Houston
Biologist/ GIS Specialist
Gulf of Maine Coastal Program, Falmouth, Maine

**Using ArcGIS Online (AGOL)
and Esri Collector for Conservation**

ArcGIS Online (AGOL)

- Kind of like ArcMap, but not really
- Kind of like Google Maps, but not really
- Accessed within your internet browser
- Create and share your data and maps on the internet!
- Integrate other data



Legend

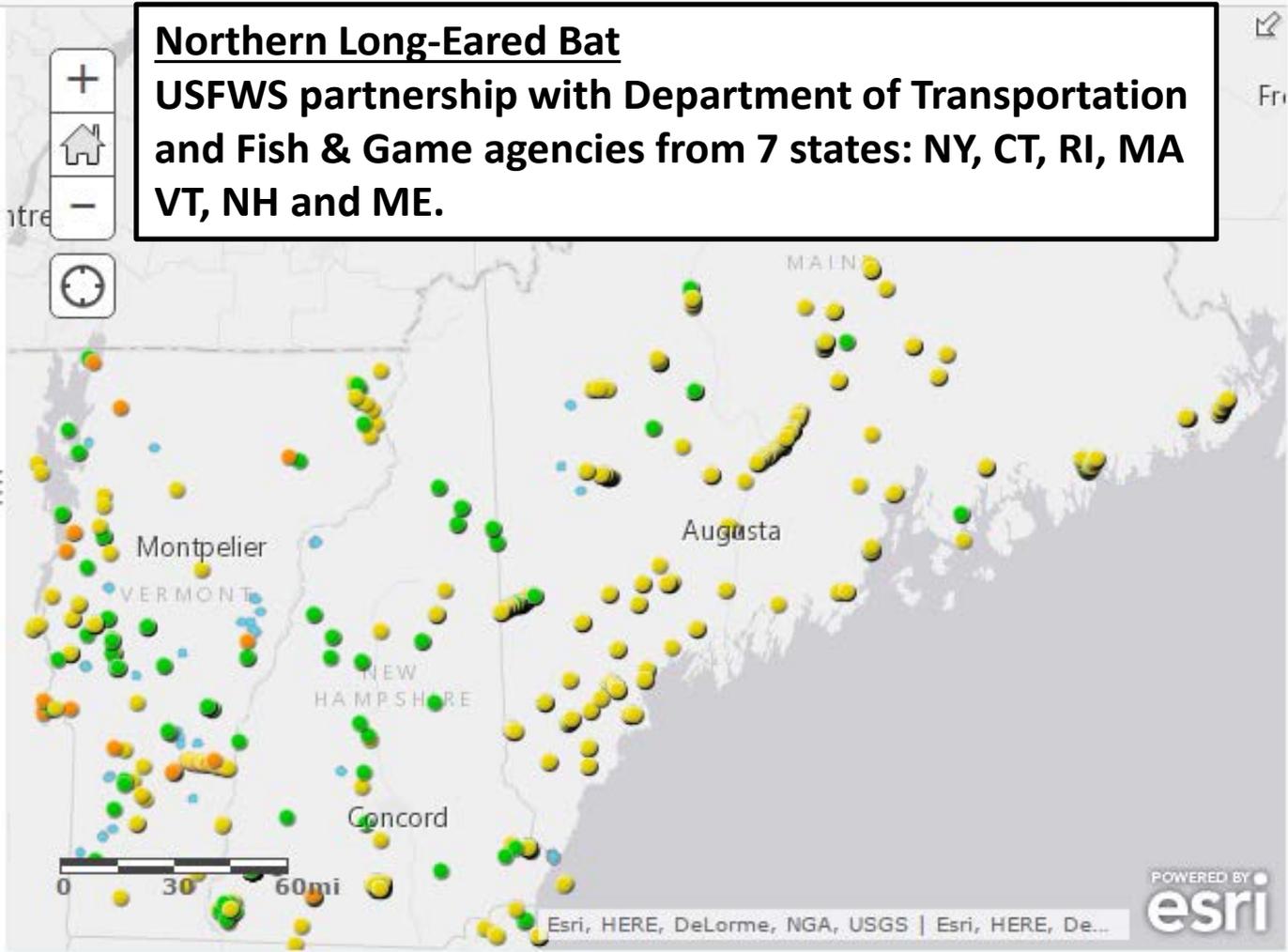
Bat surveys - NLEB results

-  Present-confirmed
-  Present
-  Not detected
-  Not included in survey
-  Uncertain

Bat Hibernacula



Northern Long-Eared Bat
USFWS partnership with Department of Transportation and Fish & Game agencies from 7 states: NY, CT, RI, MA VT, NH and ME.



ACOUSTIC SURVEY FINAL REPORT

**Northern Long-eared Bat
Presence/Absence Surveys
Number Nine Wind Resource Area
July 15 – July 21, 2014**



Prepared for:
EDP Renewables North America
808 Travis Street, Suite 700
Houston TX 77002

Prepared by:
WEST, Inc.
200 South Second Street



Find address or place



- August 21, 2014.
Prepared for EDP
Renewables North
America, Houston, TX.
Prepared by WEST,
Laramie, WY

Town	T8 R3 WELS
State	ME
Comm1	Acoustic results available for other species. Surveys between 7/15 and 7/21/2014, 2-5 nights at each site.

Attachments:
[NumberNine NLEB Acoustic
Report_Final 11.1.14.pdf](#)

[Zoom to](#) [Get Directions](#)

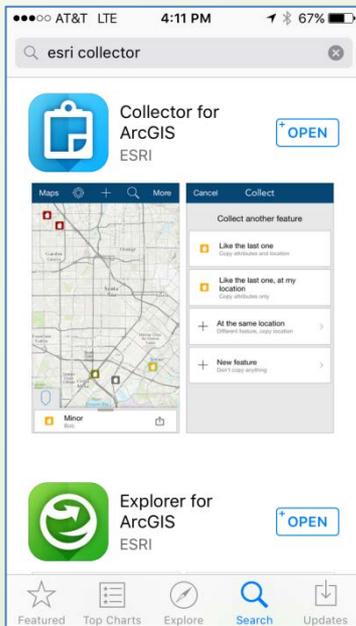
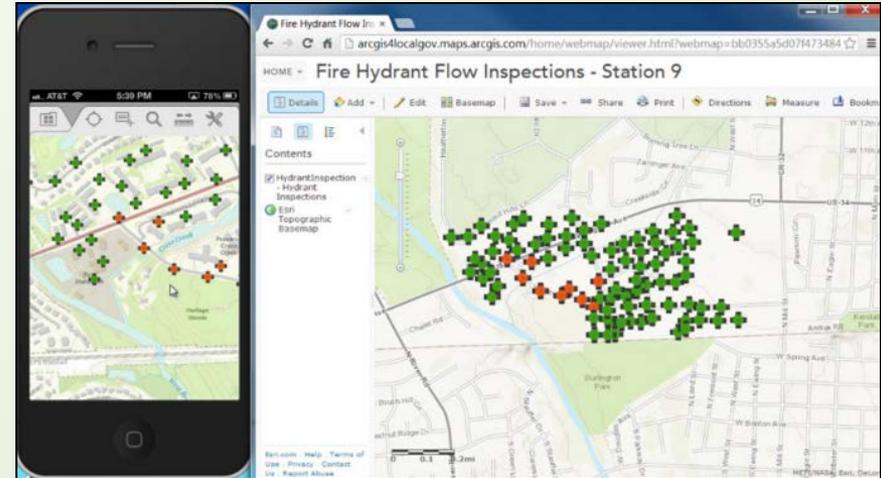
Monticello

Esri Collector

- Free downloadable app from the app store for smartphone or tablet
- View and edit data in the field
- See AGOL map on handheld device
- Location enabled - GPS

Collector

AGOL



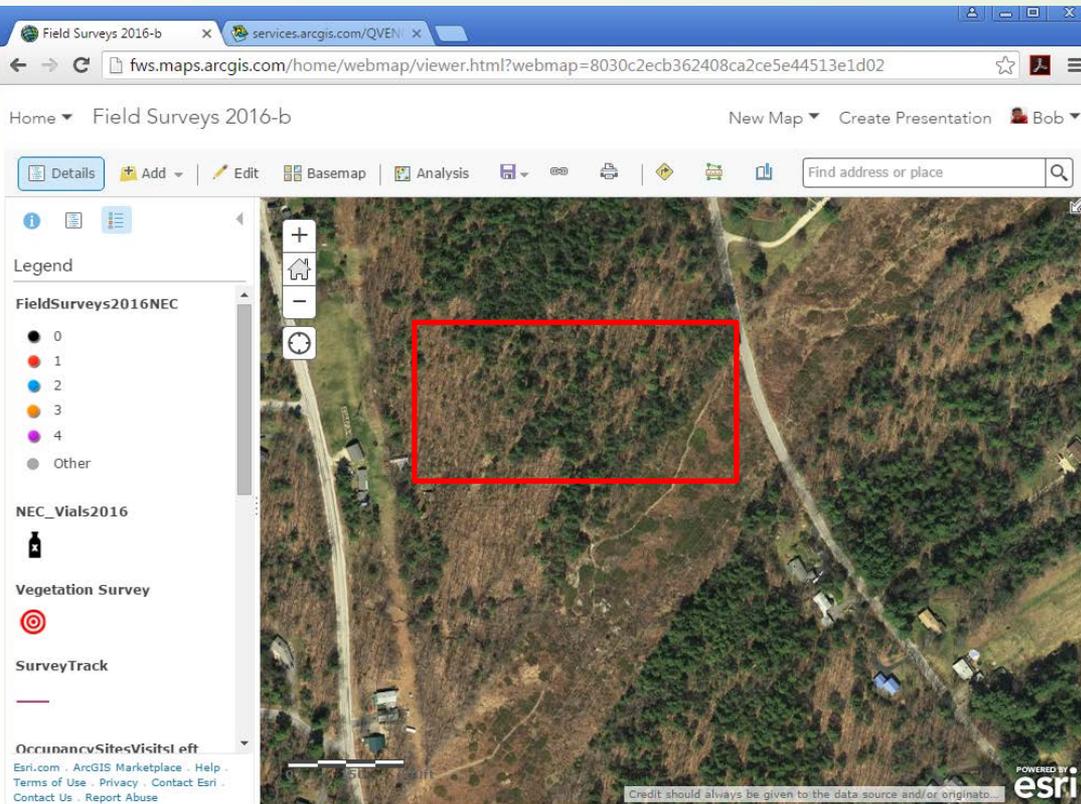
App Store



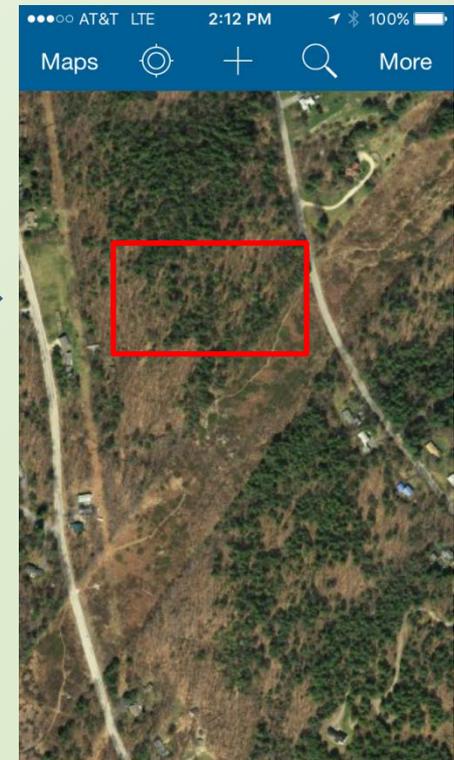
New England Cottontail

- Partnership with Rachel Carson NWR, NRCS, UNE and MDIFW
- Survey for presence of NEC in historic range; collect pellets for DNA analysis

AGOL



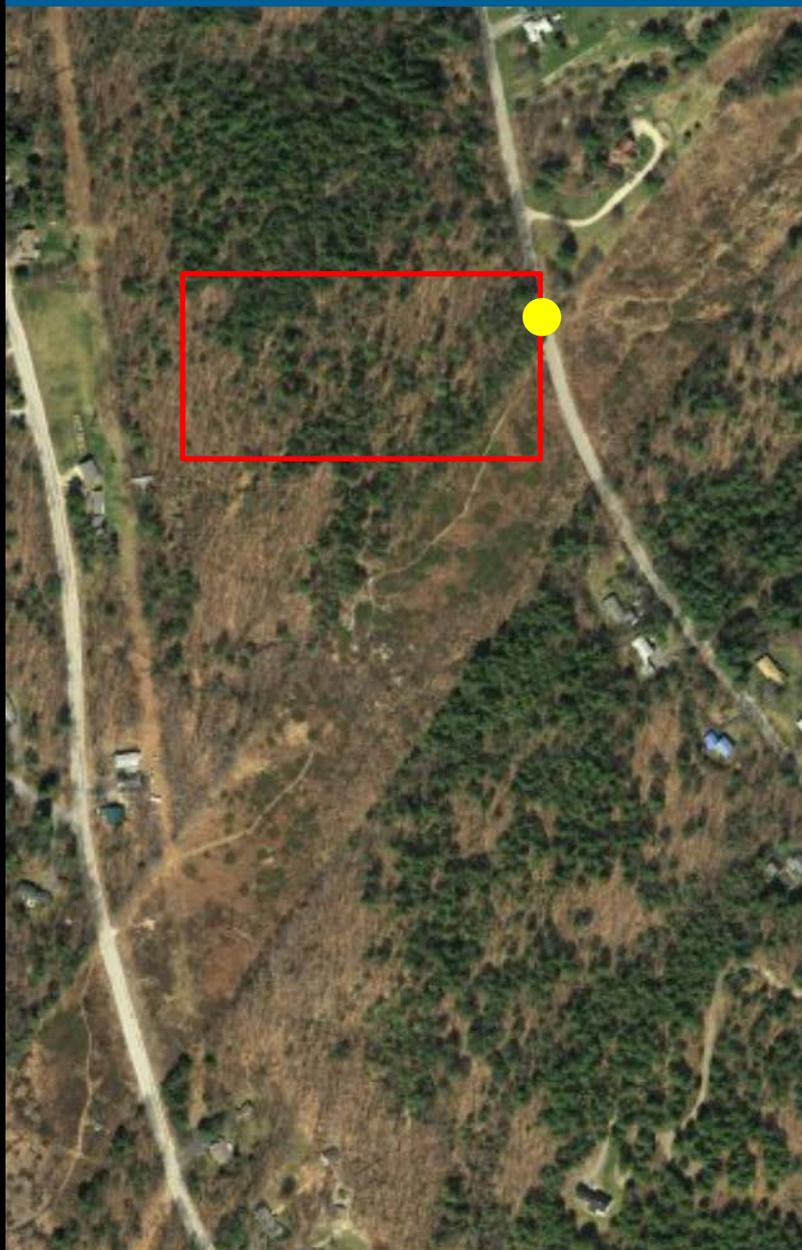
Collector



Maps



More





●●●● AT&T LTE 2:03 PM 73%

Cancel   Submit

 **Location** ⁵
Lat: 43.718473° Long: -70.2310E1°

NEC_Vials2016:

Label	Vial99	>
CollectorName	Kelly Boland	>
DateCollected	1/22/2016	>

AGOL

Field Surveys 2016-b | services.arcgis.com/QVEN | fws.maps.arcgis.com/home/webmap/viewer.html?webmap=8030c2ecb362408ca2ce5e44513e1d02

Home | Field Surveys 2016-b | New Map | Create Presentation | Bob

Details | Add | Edit | Basemap | Analysis | Find address or place

Legend

FieldSurveys2016NEC

- 0
- 1
- 2
- 3
- 4
- Other

NEC_Vials2016

- X

Vegetation Survey

- Target

SurveyTrack

- Yellow line

OccupancySitesVisits left

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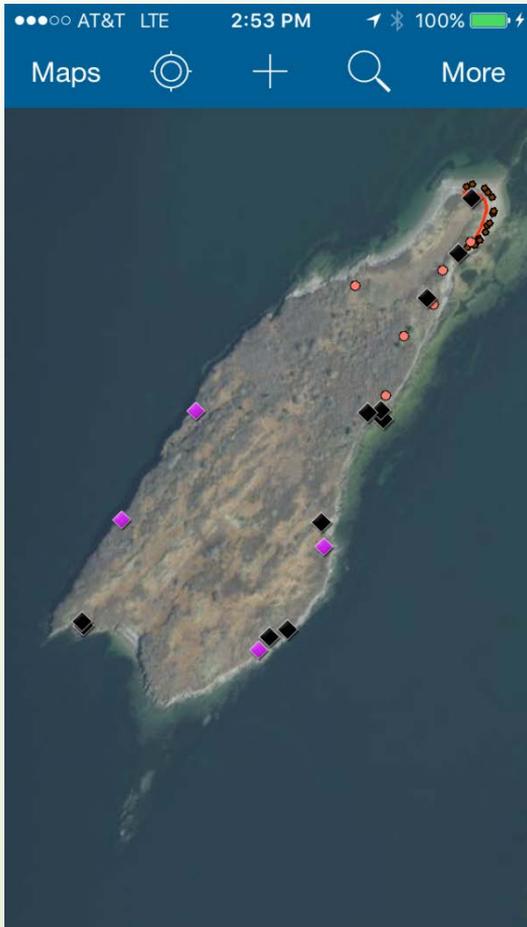
500 feet

Credit should always be given to the data source and/or originator... **POWERED BY esri**

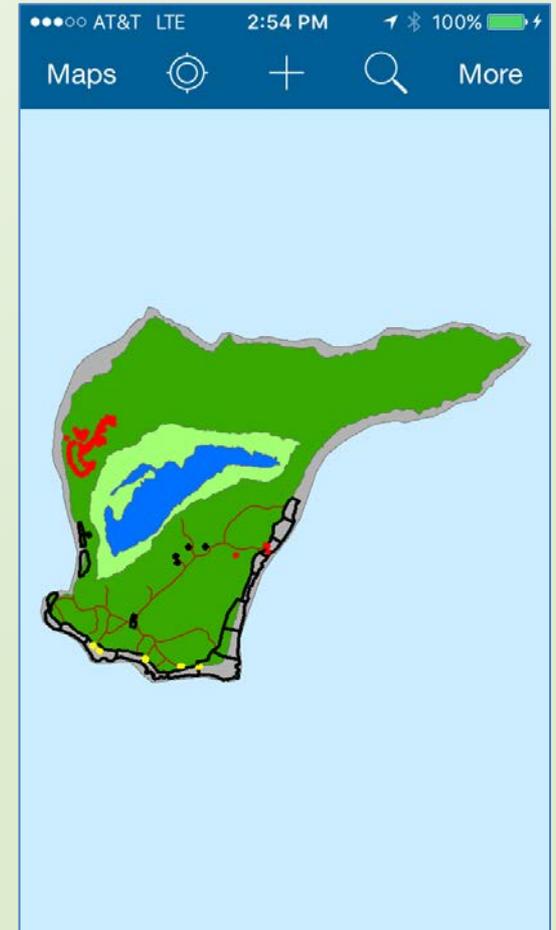
Asiatic Bittersweet – Invasive plant on Seabird Islands

- Maine Coastal Islands NWR, Audubon Society, MDIFW
- Keeping track of locations and management actions

Upper Flag Island, Harpswell , Maine



Stratton Island, Saco, Maine



**- AGOL and Collector -
Great GIS tools for sharing data with
Conservation partners both
inside and outside FWS!**



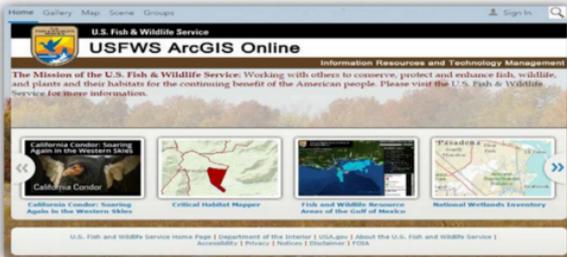
Questions?



Bob Houston
Biologist/ GIS Specialist
Gulf of Maine Coastal Program, Falmouth, Maine



ArcGIS Online



What is ArcGIS Online (AGOL)?
 AGOL (<http://fws.maps.arcgis.com>) is an easy place to share public data, mobile enabled online maps, apps, and services for GIS and non-GIS people. AGOL is the foundation for serving online maps, data, web-mapping applications, using ArcGIS Collector, and Story Maps. Sensitive data is best hosted on the FWS GIS Internal Map Portal (separate FWS intranet version of AGOL) <https://maps.fws.doi.net/portal/home/> or <https://www.sciencebase.gov>

Getting Started!

Use of the FWS AGOL Enterprise requires a login. Please go to the FWS AGOL Google Site: <https://sites.google.com/a/fws.gov/gismap/home/agol> and read the entire page. Use "**Account Signup**" to create an account by reading and filling out the account creation form. When you fill out this form, your account will be created and you will receive an email from ESRI prompting you to log in and change your password (this activates your account). All FWS user accounts are created with Publisher privileges. Collaborator accounts (limited access) can be set up for outside collaboration. If the collaborator's organization has an ArcGIS Organizational Account, they can sign up using their org account.



Rules for ArcGIS Online:

1. **Create Your Profile** by logging into AGOL and hovering over your name in the top right corner, and click "My Profile". Click "edit my profile" and fill in the applicable fields. Your "Bio" section should include contact information such as your **job title, office, address, phone number, and email address** if applicable. Please make sure this is updated periodically, and change "Who Can See Your Profile" to Public. This will allow folks to contact you directly if they have questions.
2. There is a **standard naming convention** for all data, maps, and applications in ArcGIS Online. The Bureau, Region, Program, Office or Area of Interest, Subject. Example: "**FWS R1 ES Yellow Crazy Ant Eradication Project**"
3. Please have a **plan** in place for all items in AGOL. Include who will update, manage, provide support, keep records, data backup, assist users, and steward the data, maps, and applications created in ArcGIS Online.
4. Please make sure to periodically **clean up** data, maps and applications by going into "**My Content**" in ArcGIS Online and contact fwsgis@fws.gov to assist with transferring content to another user.
5. **All shared content** on AGOL must have a **title, summary, description, access and use constraints, tags, and credits** (who the item belongs to, with contact information such as name and phone number).
6. **Create groups** to manage access and landing pages for group projects or to allow access.

How can you learn how to use ArcGIS Online? ArcGIS Online help and demos: <http://doc.arcgis.com/en/arcgis-online/>

FWS ArcGIS Online users are responsible for data management, application lifecycle, data security, and records



FWS Internal Map Portal



What is the FWS Internal Map Portal?
<https://maps.fws.doi.net/portal> Portal is an easy place to share data, mobile enabled online maps, apps, and services for GIS and non-GIS people. Portal is the FWS version of ArcGIS Online inside the FWS firewall and is the foundation for serving online maps, data, web mapping applications, ArcGIS Collector, and Story Maps. Information that needs to be shared outside the FWS can use ArcGIS Online <http://fws.maps.arcgis.com> or ScienceBase <https://www.sciencebase.gov>

Getting Started!

Using the Chrome Browser go to the portal and read the **FWS Internal Map Portal Documentation Guide** for more information on using Portal.

Best practices for using Portal:

1. When you go to the portal, if prompted, log in "USING YOUR DOI ACCOUNT". To log into Portal using ArcMap, use ArcGIS Administrator, Advanced (or follow the Documentation Guide).
2. There is a **standard naming convention** for all data, maps, and applications in ArcGIS Portal. The Region, Program, Office or Area of Interest, and Subject. Examples: "**RS FA Leavenworth National Fish Hatchery Species Locations**" or "**R1 ES Yellow Crazy Ant Eradication Project**"
3. Please have a **plan** in place for all data, maps, and applications on Portal. Include who will update, manage, provide support, keep records, data backup, assist users, and steward the data, maps, and applications created in Portal.
4. Please make sure to periodically **clean up** data, maps, and applications by going into "**My Content**" in Portal and contact fwsgis@fws.gov to assist with transferring content to another user.
5. Please use "**Groups**" to create access levels within the FWS Portal. You can also set up Group Sites to create landing pages for your Group Information.
6. **All shared content** on Portal should have a **title, summary, description, access and use constraints, tags, and credits** (Who the item belongs to, with contact information such as name and phone number).
7. When creating **services** from ArcMap, please use the **Hosted Services** feature in Portal and create tiles after you have created the service (make sure you are logged into Portal). If you have a local ArcGIS Server instance running in your office, you can register those services with the FWS Portal. Please contact fwsgis@fws.gov with any questions.

How can I learn how to use FWS Internal Map Portal? In addition to the Portal Documentation Guide in the Getting Started Section, the information Esri provides for AGOL is applicable to Portal except the login information and group editing. This site has great content on a variety of things you can do with AGOL/Portal: <http://server.arcgis.com/en/portal/latest/use/what-is-portal-for-arcgis.htm>