DEC PWS* WEB MAP BASIC INSTRUCTIONS

For Construction General Permit
AKR100000

*PWS = public water system

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Basic Permit Steps

1. Identify project area(s) using interactive web map
   - *DEC GIS Web Map Gallery, http://dec.alaska.gov/das/gis/apps.htm*
   - *Map Title: "Alaska DEC Drinking Water Protection Areas"*

2. Identify intersecting PWS Drinking Water Protection Area(s) (DWPA)

3. Notify PWS Contact(s)
   - *Using web map*
     - Click on DWPA(s), 'Click Here' in the pop-up to access Drinking Water Watch (DWW)
   - *Direct: Drinking Water Watch, http://dec.alaska.gov/DWW/*
     - Search for PWS of interest

How to Open Web Map

- Visit DEC Home, http://dec.alaska.gov/
  - *Click on "DEC Maps" icon; or*
  - *Click on "Find Interactive Map" link*

How to Open Web Map (cont'd.)

■ Map Title: "Alaska DEC Drinking Water Protection Areas"

  – *Includes some map layers from other DEC Programs (i.e., DEC Contaminates Sites)*

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How to Open Web Map (cont'd.)

- **READ Description Page**

- Open in map viewer

How to Open Web Map (cont'd.)

■ **Error messages**

– *This map uses data from various sources, some which we don't control.*

– *Some of these layers break occasionally, but usually only temporarily.*

– *If you receive an error message, click "OK".*

– *The map will still work, but that layer may be down temporarily.*

– *If it is a layer critical to your work, please let us know, and we can try to track down the issue.*
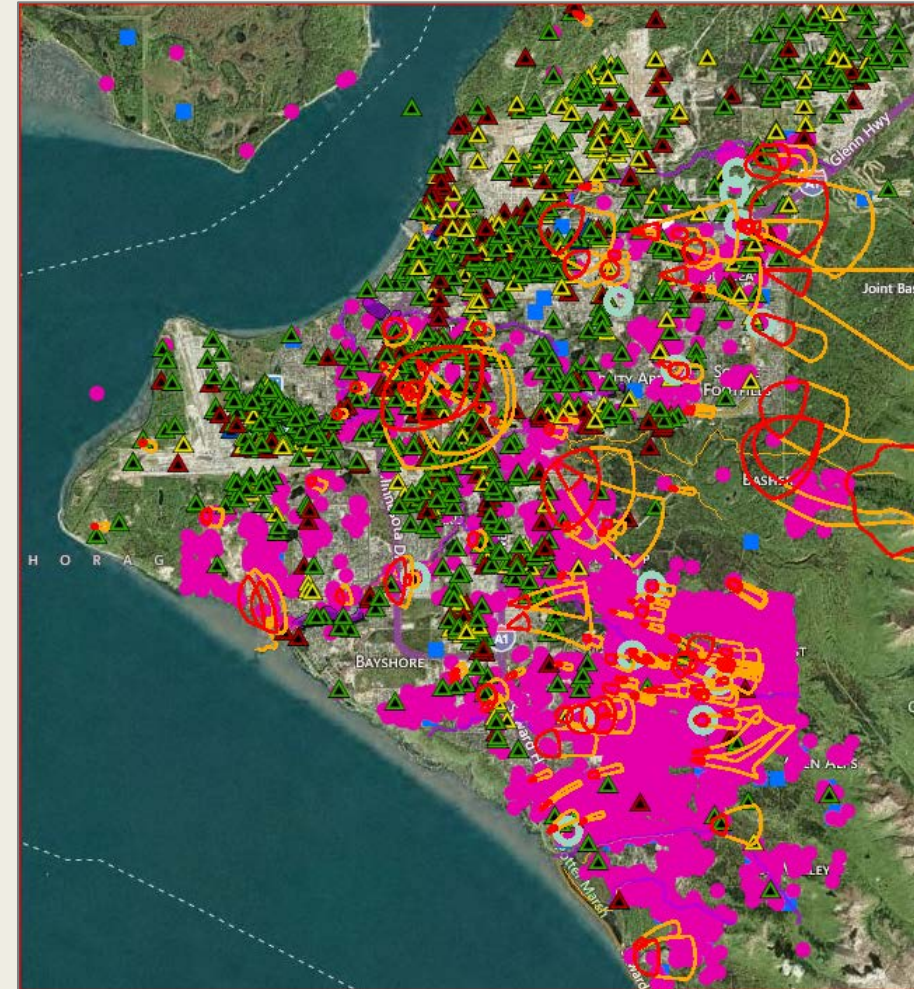
Basic Map Functions

- About – Content – Legend

  – *Content: Can go here to turn layers ON/OFF*

  – *Legend: Can show this for printing/copying*

- Modify Map

  – *Enables additional functions, such as adding map notes (i.e., text, points, lines, areas)*

  – ***Will discuss in more detail later***

Content Layers

- Visibility and scale-dependencies
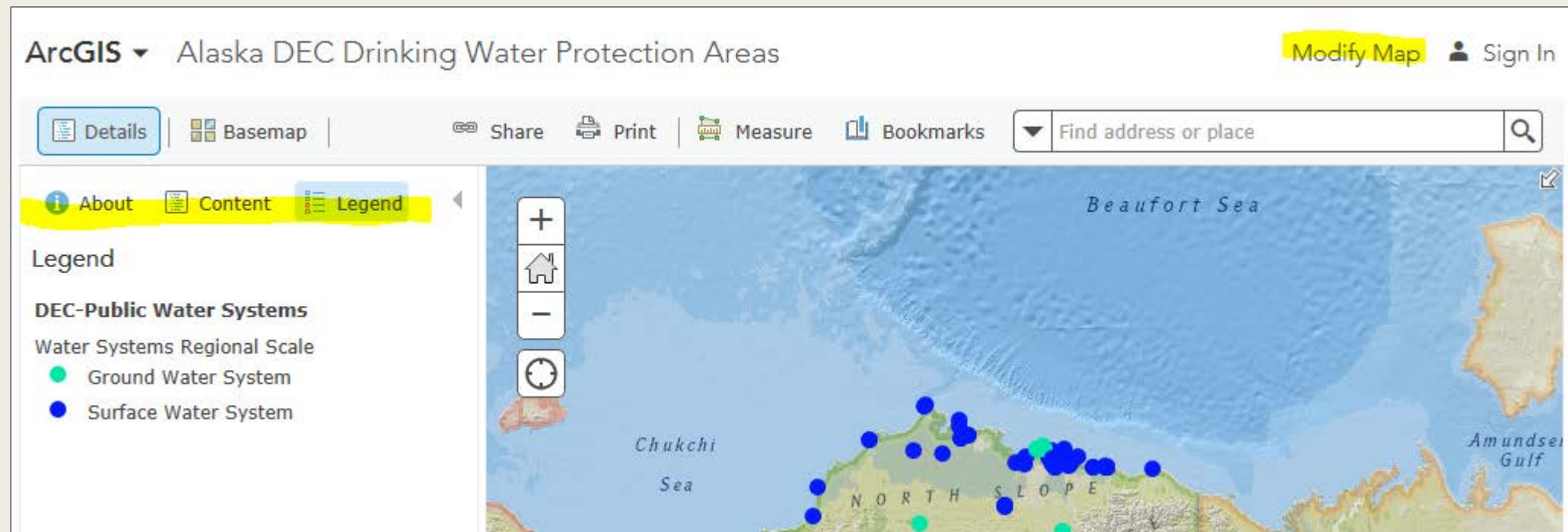 - *Layers at top draw on top of those below*
  - *Checked = will draw (when at right scale)*
  - *Gray = Not visible until zoomed in to right scale*
- DEC data
  - *Includes layers from other DEC Divisions and Programs*
- DNR data
  - *Water Rights/Reservations, PLSS (Township/Range)*
- Imagery base layers
  - *Best imagery depends on region*
  - *Try other imagery layers if not good in your area*
- Other basemaps
  - *Always at bottom of list and drawn underneath other layers*
  - *Topographic, roads, terrain, NOAA charts, etc.*

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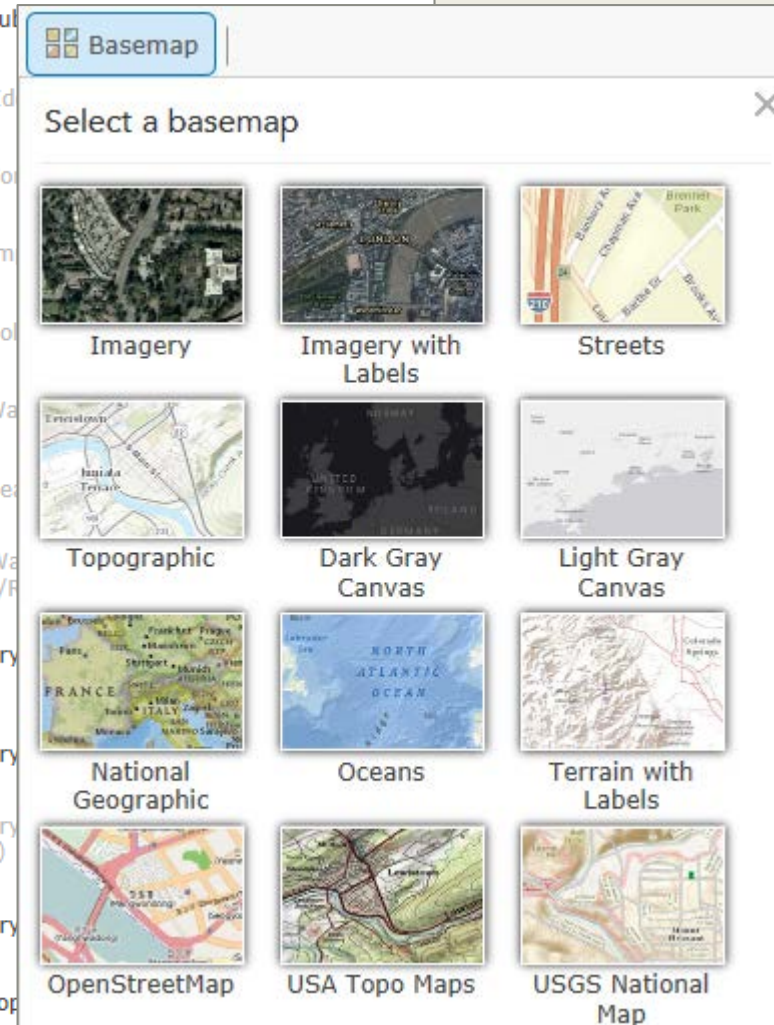
Searching Map

■ Searching: Using Bookmarks
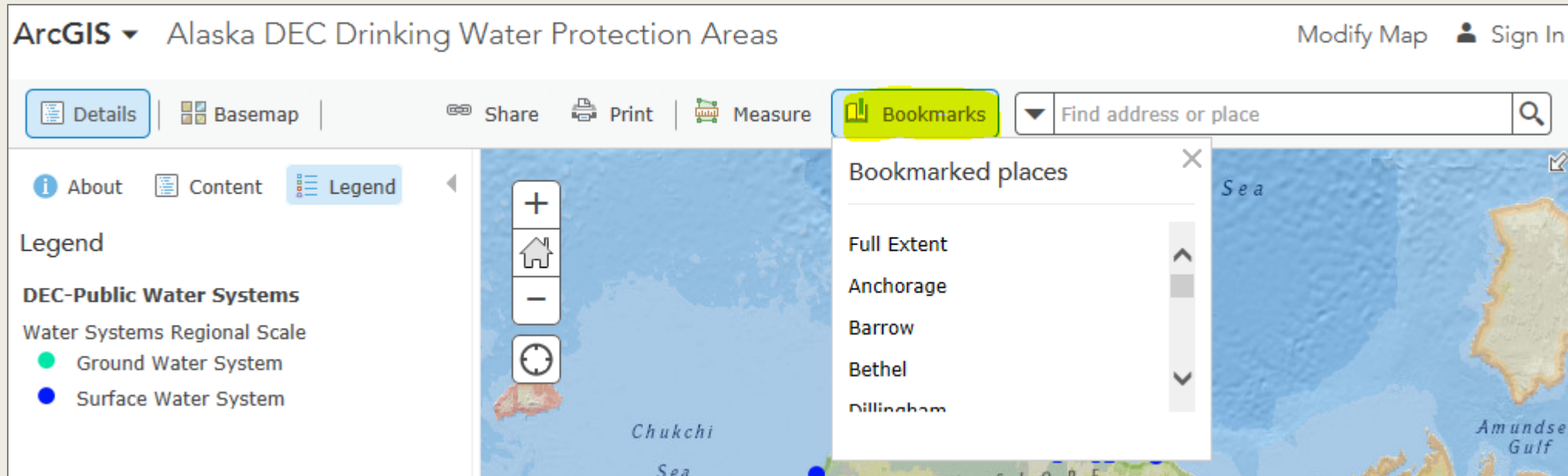
Searching Map (cont'd.)

■ Searching: By City

  – *Important:* Include "AK" in search (searches entire globe)

Searching Map (cont'd.)

- Searching: By Location Coordinates
    - *Format: Decimal Degrees (ex. -149.609057, 61.223969)*
        - **Important:** Longitude first, including "negative" sign (unless west of the International Dateline, such as for Shemya)

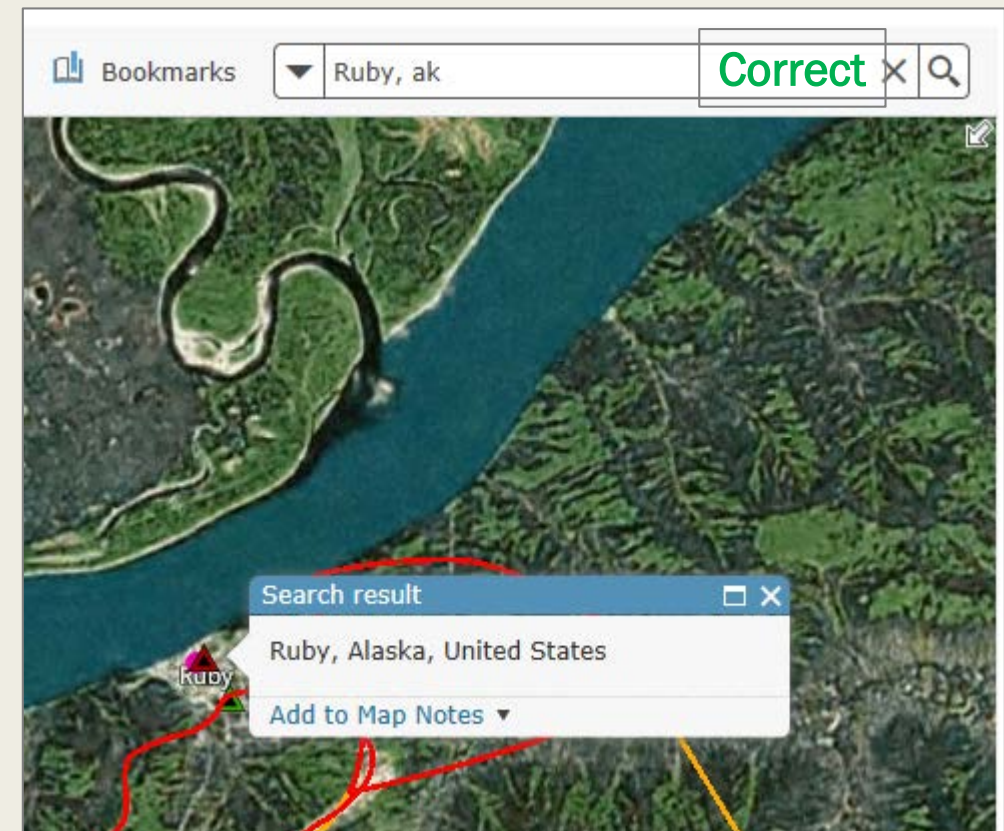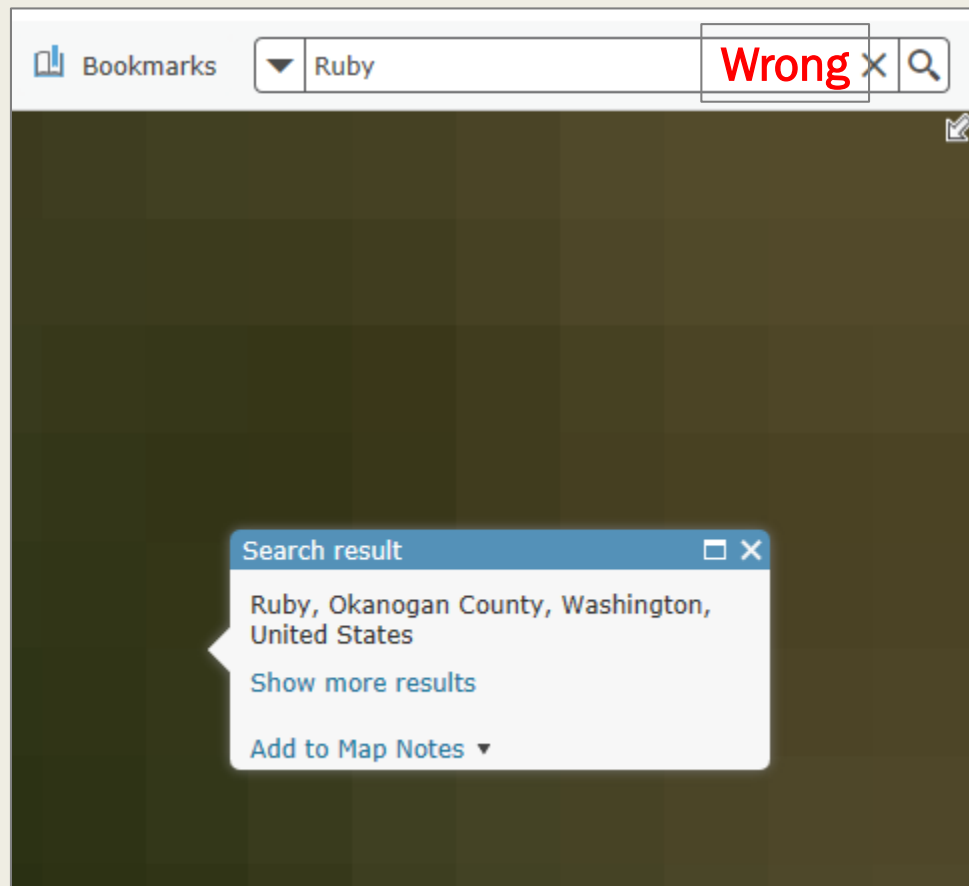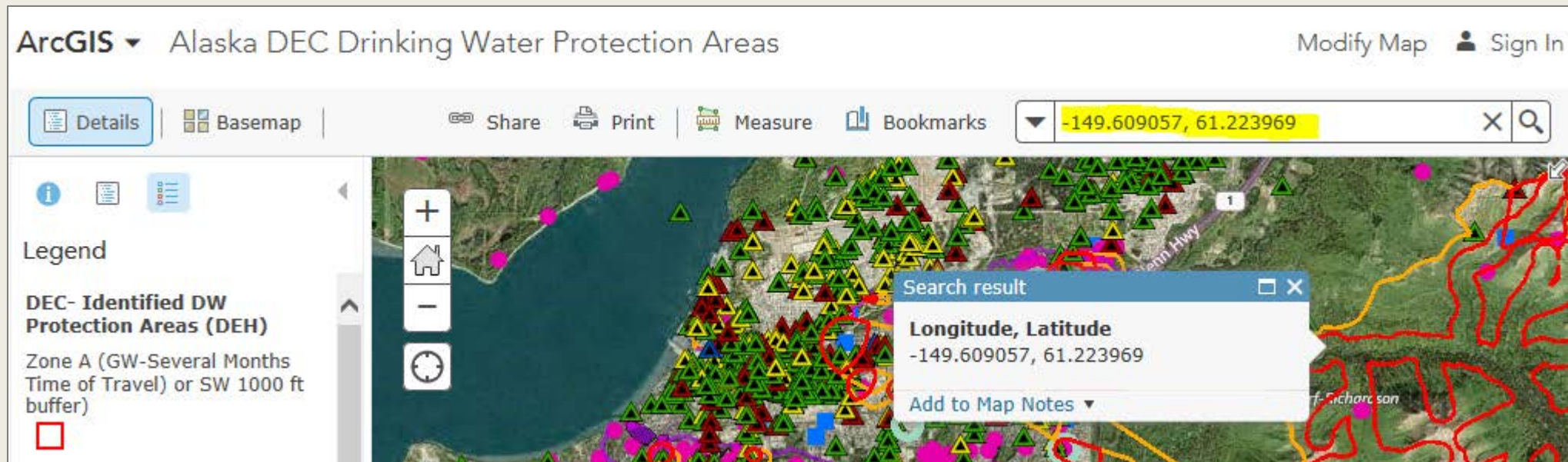# Searching Map (cont'd.)
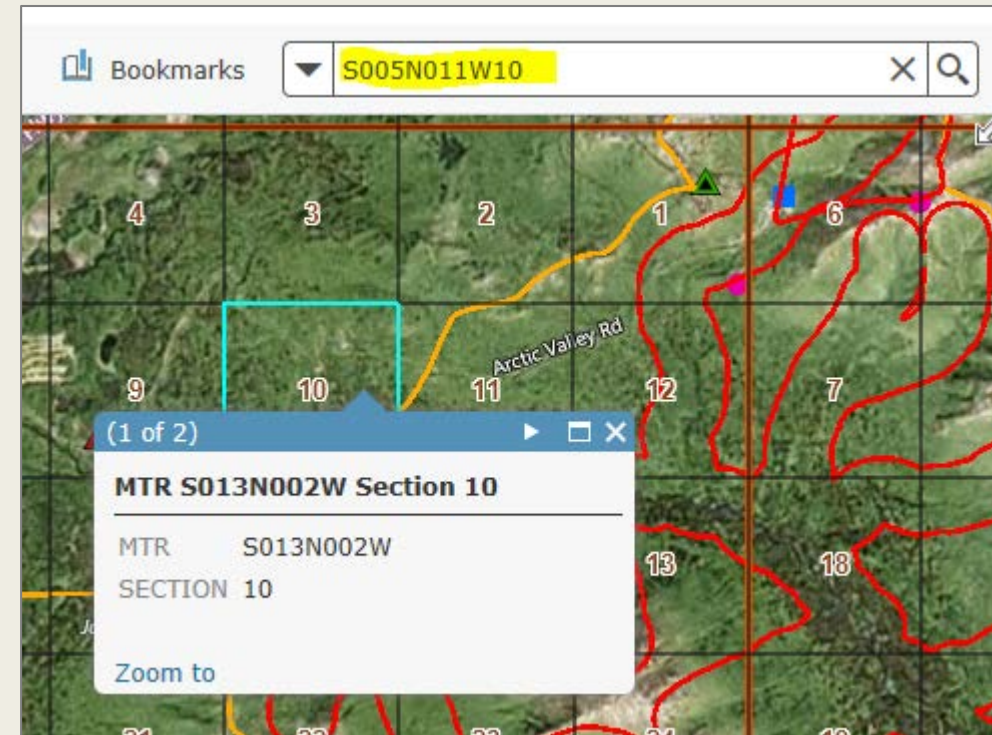
- Searching: By PLSS in **MTRS** format (e.g. S013N002W10)

    - **M** = *1-letter meridian (ex. "S" = Seward Meridian)*

    - **T** = *3-digit township + 1-letter cardinal direction (ex. "013N" = Township 13 North)*

    - **R** = *3-digit range + 1-letter cardinal direction (ex. "002W" = Range 2 West)*

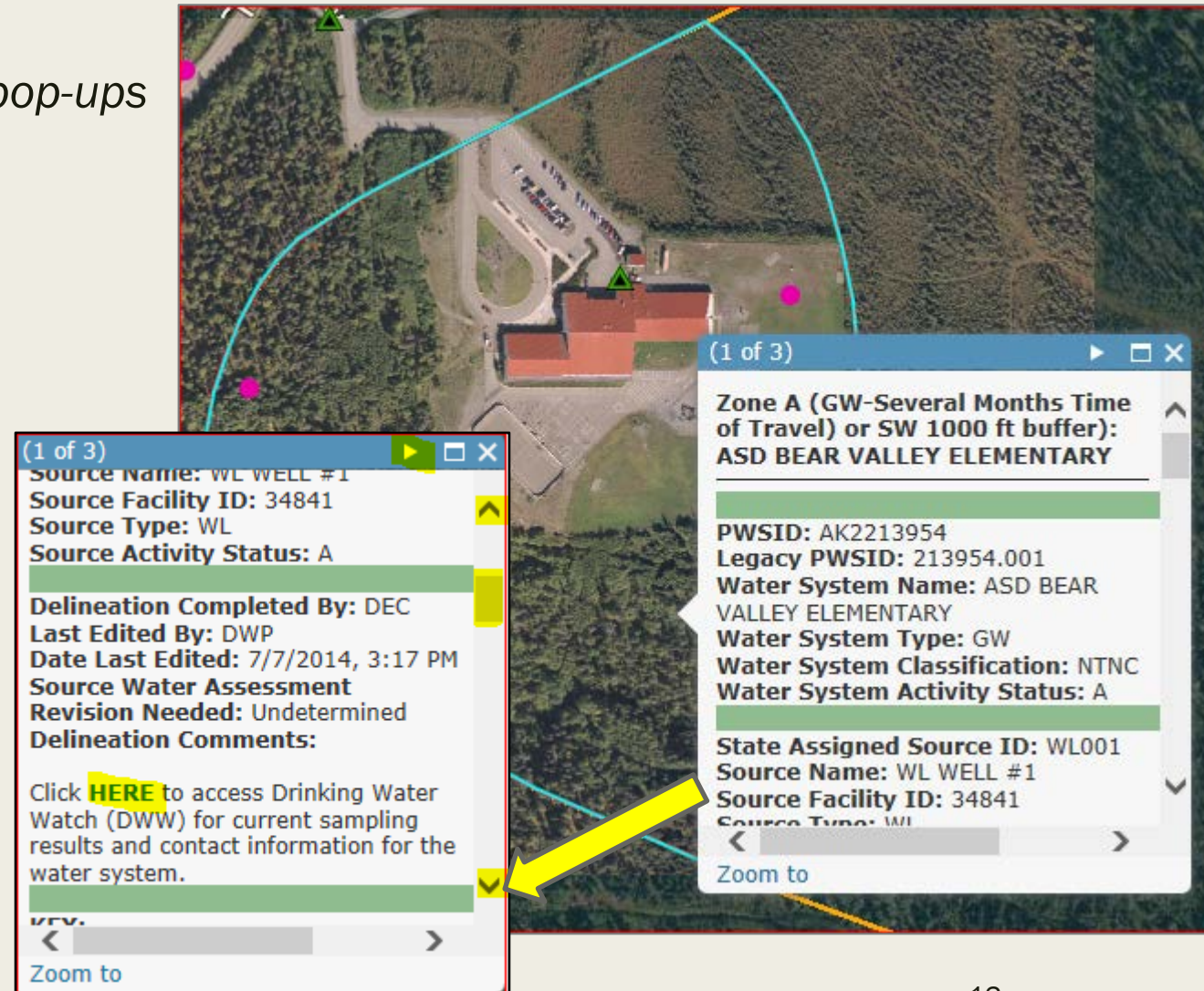   - **S** = *2-digit section (ex. "10" = Section 10)*

        ex. *S013N002W10*

Pop-Ups

- Pop-Ups
  - *Use page-through arrow for multiple pop-ups*
  - *Scroll down to see more pop-up info*

- PWS info (e.g. AK2213954)
  - *Key at bottom of pop-up*
  - *Classification: C = CWS, not Class C*
  - *Activity: A = Active.*
    - This map only shows active PWSs.
  - *Link to Drinking Water Watch (DWW)*
    - For PWS Contact info
    - Can also directly access DWW
      - *http://dec.alaska.gov/DWW/*

(1 of 3)
Source Name: WL WELL #1
Source Facility ID: 34841
Source Type: WL
Source Activity Status: A

Delineation Completed By: DEC
Last Edited By: DWP
Date Last Edited: 7/7/2014, 3:17 PM
Source Water Assessment
Revision Needed: Undetermined
Delineation Comments:

Click HERE to access Drinking Water Watch (DWW) for current sampling results and contact information for the water system.

KEY:

Zoom to

(1 of 3)
Zone A (GW-Several Months Time of Travel) or SW 1000 ft buffer):
ASD BEAR VALLEY ELEMENTARY

PWSID: AK2213954
Legacy PWSID: 213954.001
Water System Name: ASD BEAR VALLEY ELEMENTARY
Water System Type: GW
Water System Classification: NTNC
Water System Activity Status: A

State Assigned Source ID: WL001
Source Name: WL WELL #1
Source Facility ID: 34841
Source Type: WL

Zoom to

Drinking Water Watch: PWS Contact Info

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Adding Map Notes (graphics)

- Modify Map
  - *Enables Map Notes tool for adding text, points, lines, areas, etc.*
  - *IMPORTANT: Need an account in order to save/share changes*
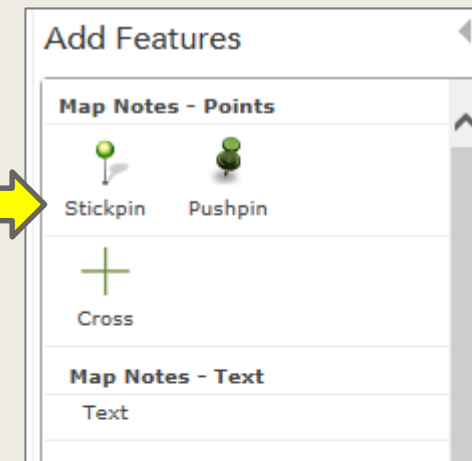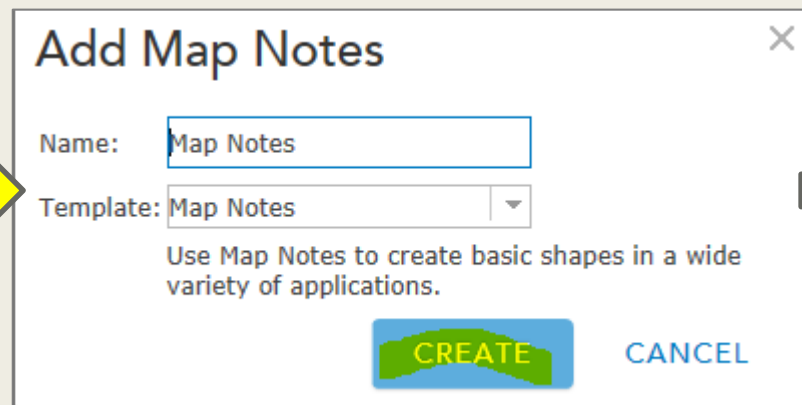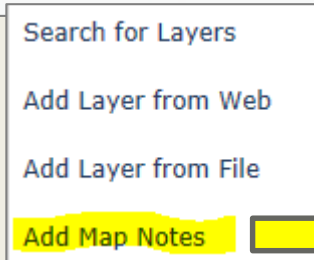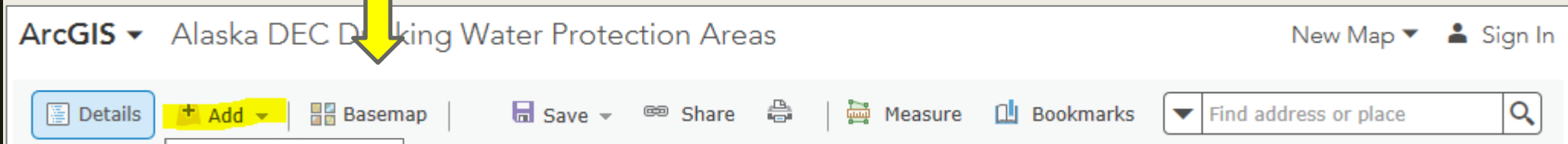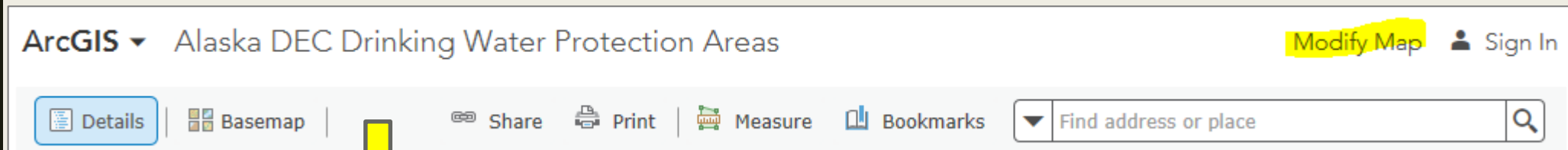
Printing Maps

- Default 'Print' button
  - *No legend (Not preferred method)*

- Screenshot method (Preferred)
  - *Legends can be slightly modified*

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