

Workbench 2 possible locations found

Georeference Options Clear Polygon Draw polygon Place marker Measure

Locality String: Lisbon Falls

Country: UNITED STATES OF AMERICA latitude: 44.008043 longitude: -70.057947 uncertainty: 2504 m error polygon

State: Maine 44.008043 -70.057947 2504
43.9905800243, -70.0514999006, 43.9905810243, -70.0515809006, 43.9908840243,
-70.0524439006, 43.9915970243, -70.0534149006, 43.9926080243, -70.0563309006

County: Androscoggin

500 m 1000 ft Google

69.997586, 44.020436



PART 4: GEOREFERENCING IN EMU

SITES: SPECIMEN DATA ENTRY

Locality Tab

Higher Geography

- Controlled vocabulary
- Look-up lists
- Auto-fill

Precise Location:

- Verbatim from label

Elevation: enter if provided
(auto converts from meters >
feet or vice versa)

Township, Range, Section (TRS):
enter if provided on label with
T, R, S preceding the
value/direction (i.e. T24N)

The screenshot shows the 'KE EMu (NYBG)' application window. The 'Sites' tab is selected and highlighted with a red circle. The main window displays a form for entering site data. The form is divided into several sections:

- Locality Details:** Fields for Ocean, Continent, Country, Province/State/Territory, District/County/Shire, City/Town, Nearest Named Place, and Special Geographic Unit. Each field has a dropdown arrow icon.
- Elevation (Above Sea Level):** Fields for From (metres/feet) and To (metres/feet), a Prefix field, an Accuracy dropdown, and a Determination Method dropdown.
- Locality Details (cont.):** Fields for Township, Range, and Section.
- Precise Location:** A large text area for entering precise location information.
- Site Size:** A large text area for entering site size information.

At the bottom of the window, there is a tabbed interface with 'Locality' selected and highlighted in red. Other tabs include 'Lat/Long', 'Mapping', 'Notes', 'Multimedia', 'Security', and 'Admin'. The status bar at the bottom shows 'New Site 1 of 1', the user 'watson', and the date '20085'.

For help see the [Sites Wiki](#)

SITES: SPECIMEN DATA ENTRY

The screenshot shows a software window titled "Sites (3) - Display" with a menu bar (File, Edit, Select, View, Tools, Tabs, Multimedia, Window, Help) and a toolbar. The main content area displays site information for "North America, United States of America, Montana, Carter Co., The Great Plains. 9.4 km W of Camp Crook, S. Dak. [South Dakota] or 31.4 km" with ID 397365.

Latitude/Longitude Details Table:

	Latitude (DMS)	Longitude (DMS)	Latitude (Dec.)	Longitude (Dec.)	Latitude Verbatim	Longitude Verbatim	Modi...	Comment
1	45 20 24.00 N	104 02 W	45.34	-104.05	45 20 24.00 N	104 2 0.00 W		
*								

Form Fields:

- Determination Source: **Label** (highlighted with a red box)
- Determination Method: [Empty]
- Determined By: [Empty]
- Determination Date: [Empty]
- Centroid Latitude (DMS): 45 20 24 N (Dec.: 45.340)
- Centroid Longitude: 104 03 0 W (Dec.: -104.050)
- Notes: [Empty]
- Radius (Verbatim): [Empty]
- Radius (Numeric): [Empty]
- Geometry: [Empty]
- Derive Centroid: System User
- Probability: [Empty]
- Units: [Dropdown]
- Datum: [Dropdown]
- Preferred: Yes [Dropdown]

Latitude/Longitude List Table:

	Determination Source	Centroid Latitude (DMS)	Centroid Longitude	Preferred
1		45 20 24 N	104 03 0 W	Yes
*				

Navigation and Footer:

- Bottom tabs: Locality, **Lat/Long** (highlighted with a red box), Mapping, Notes, Multimedia, Security, Admin
- Status bar: Display Site 15 of 899, watson 20085

Determination Source for coordinates = Label
Calculated/converted values appear in Red
Verbatim Fields: data as it appears on the label
(with/without errors and/or modifiers)

SITES: IRN

North America, United States of America, Montana, Bozeman 273968

Locality Details

Ocean:

Continent: North America

Country: United States of America

Province/State/Territory: Montana

District/County/Shire:

City/Town:

Nearest Named Place:

Special Geographic Unit:

Elevation (Above Sea Level)

From: (metres) (feet)

To: (metres) (feet)

Prefix:

Accuracy:

Determination Method:

Locality Details (cont.)

Township:

Range:

Section:

Precise Location

Bozeman

Site Size

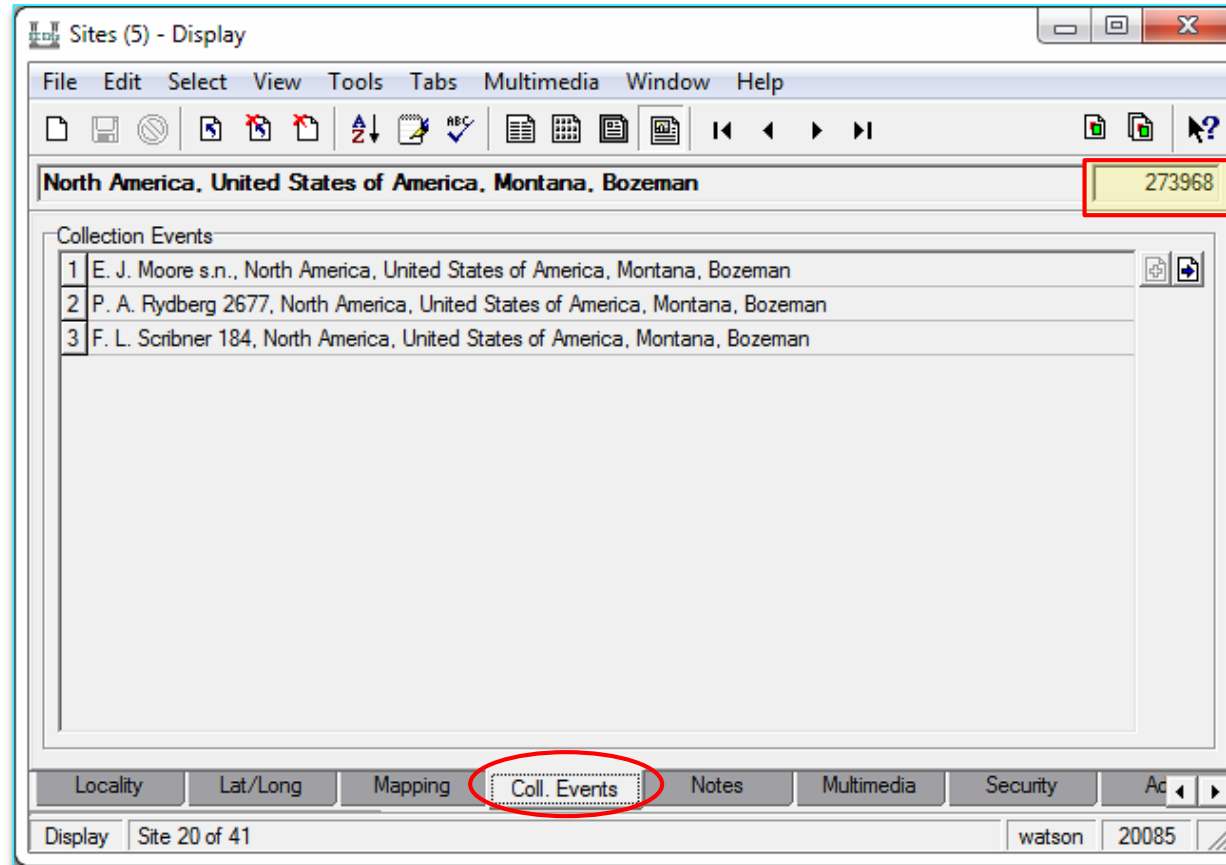
Locality Lat/Long Mapping Notes Multimedia Security Admin

Display Site 20 of 41 watson 20085

Internal
Record Number (IRN)
= Unique Identifier

F4 = Show Attachments

SITES: ATTACHMENTS



CAUTION

Always be aware of the ONE to MANY collection event records that will be affected by ANY changes made to a sites record.

LATITUDE/LONGITUDE DETAILS

FILE EDIT SELECT VIEW TOOLS TABS MULTIMEDIA WINDOW HELP

South America, Argentina, Córdoba, Vicinity of Cosquin, Córdoba 1400388

Latitude/Longitude Details

	Latitude (DMS)	Longitude (DMS)	Latitude (Dec.)	Longitude (Dec.)	Latitude Verbatim	Longitude Verbatim	Modifier	Comment
1	31 14 47.35 S		-31.246486	-64.470304				
*								

Determination Source: Radius (Verbatim): Probability:
Determination Method: Radius (Numeric): Units:
Determined By: Geometry: Datum:
Determination Date: Derive Centroid: System User Preferred: Yes
Centroid Latitude (DMS): Dec.: Centroid Longitude: Dec.:
Notes:

Latitude/Longitude List

	Determination Source	Centroid Latitude (DMS)	Centroid Longitude	Preferred
1				Yes
*				

Locality **Lat/Long** Mapping Notes Multimedia Security Audit Admin

Lat/Long tab

Enter coordinates into Latitude (Dec.) and Longitude (Dec.)
Derive Centroid: System (default)
Preferred: Yes (default)

DETERMINATION SOURCE

The screenshot shows a software interface with a 'Lookup Selection...' dialog box. The dialog box has a search field containing 'Google Maps (map data 2020); MaNIS Georef. Calculator'. Below the search field is a list of search results, with the selected item 'Google Maps (map data 2020); MaNIS Georef. Calculator' highlighted in blue. A red arrow points to this selected item. The background window shows a table with latitude and longitude details for a location in South America.

Latitude (DMS)	Longitude (DMS)	Latitude (Dec.)	Longitude (Dec.)
31 14 47.35 S	64 28 13.09 W	-31.246486	-64.470304

Provide the paper/online gazetteer, version, and appropriate details. Be specific enough so that others can easily locate and use the same resources in the future.

Include: publisher name, map date, map scale, map name

DETERMINATION METHOD

The screenshot displays a software interface for georeferencing. The main window shows the following details:

Latitude/Longitude Details

	Latitude (DMS)	Longitude (DMS)	Latitude (Dec.)	Longitude (Dec.)
1	31 14 47.35 S	64 28 13.09 W	-31.246486	-64.470304
*				

Determination Source: Google Maps (map data 2020); MaNIS Georef. Calculator

Determination Method: Georeferencing Quick Reference Guide (Zemoglio et al. 2020)

Determined By:

Determination Date:

Centroid Latitude (DMS):

Notes:

Latitude/Longitude List

	Determination Source	Centroid Latitude
1	Google Maps (map data 2020); MaNIS Georef. Calculator	
*		

A **Lookup Selection...** dialog box is open, showing the search results for "Georeferencing Quick Reference Guide (Zemoglio et al. 2020)". The results list includes "Georeferencing Quick Reference Guide, Version 2012" and "Georeferencing Quick Reference Guide (Zemoglio et al. 2020)". The "OK" button is highlighted with a green checkmark.

Cite the formal protocol you followed to determine the georeference (coordinates and uncertainty):
Georeferencing Quick Reference Guide, Version 2020

DETERMINED BY AND DATE

File Edit Select View Tools Tabs Multimedia Window Help

South America, Argentina, Córdoba, Vicinity of Cosquin, Córdoba 1400388

Latitude/Longitude Details

	Latitude (DMS)	Longitude (DMS)	Latitude (Dec.)	Longitude (Dec.)	Latitude Verbatim	Longitude Verbatim	Modifier	Comment
1	31 14 47.35 S	64 28 13.09 W	-31.246486	-64.470304				
*								

Determination Source: Google Maps (map data 2020); MaNIS Georef. Calculat

Determination Method: Georeferencing Quick Reference Guide, Version 2012

Determined By: Person - L. Li (Lin Li); Collector, Project Manager, Georeferencing Quick Reference Guide, Version 2012

Determination Date: [Calendar Pop-up]

Centroid Latitude (DMS):

Notes:

Latitude/Longitude List

	Determination Source	Centroid Latitude (DMS)	Centroid Longitude	Preferred
1	Google Maps (map data 2020); MaNIS Georef. Calculat			Yes
*				

Determined By: attach your Parties Record
Determination Date: DD MM YYYY

RADIUS (NUMERIC)

File Edit Select View Tools Tabs Multimedia Window Help

South America, Argentina, Córdoba, Vicinity of Cosquin, Córdoba 1400388

Latitude/Longitude Details

	Latitude (DMS)	Longitude (DMS)	Latitude (Dec.)	Longitude (Dec.)	Latitude Verbatim	Longitude Verbatim	Modifier	Comment
1	31 14 47.35 S	64 28 13.09 W	-31.246486	-64.470304				
*								

Determination Source: Google Maps (map data 2020); MaNIS Georef. Calculat
Determination Method: Georeferencing Quick Reference Guide, Version 2012
Determined By: Person - L. Li (Lin Li); Collector, Project Manager, Geore
Determination Date: 11 Mar 2020
Centroid Latitude (DMS):
Notes:

Radius (Verbatim):
Radius (Numeric): 1846.569
Geometry:
Derive Centroid: System User
Probability:
Units: m
Datum:
Preferred: Yes

Latitude/Longitude List

	Determination Source	Centroid Latitude (DMS)	Centroid Longitude	Preferred
1	Google Maps (map data 2020); MaNIS Georef. Calculator			Yes
*				

Units: meters

Radius: leave empty if unknown, cannot be estimated, or is not applicable (because there are no coordinates). Zero is not a valid value for this term.

DATUM

File Edit Select View Tools Tabs Multimedia Window Help

South America, Argentina, Córdoba, Vicinity of Cosquin, Córdoba 14003

Latitude/Longitude Details

	Latitude (DMS)	Longitude (DMS)	Latitude (Dec.)	Longitude (Dec.)	Latitude Verbatim	Longitude Verbatim	Modifier	Comment
1	31 14 47.35 S	64 28 13.09 W	-31.246486	-64.470304				
*								

Determination Source: Google Maps (map data 2020); MaNIS Georef. Calculat
Determination Method: Georeferencing Quick Reference Guide, Version 2012
Determined By: Person - L. Li (Lin Li); Collector, Project Manager, Geore
Determination Date: 11 Mar 2020
Centroid Latitude (DMS):
Notes:

Radius (Verbatim):
Radius (Numeric): 1846.569
Geometry:
Derive Centroid: System User
Probability:
Units: m
Datum: WGS84
Preferred: Yes

Latitude/Longitude List

	Determination Source	Centroid Latitude (DMS)	Centroid Longitude	Preferred
1	Google Maps (map data 2020); MaNIS Georef. Calculator			Yes
*				

Locality Lat/Long Mapping Notes Multimedia Security Audit Admin

Edit Site 23 of 6831

Search Look-Up List before entering a new Datum

Google Maps/Earth, GEOlocate, BingMaps all use WGS84 (universal world geodetic datum)

NOTES

File Edit Select View Tools Tabs Multimedia Window Help

South America, Argentina, Córdoba, Vicinity of Cosquin, Córdoba 1400388

Latitude/Longitude Details

	Latitude (DMS)	Longitude (DMS)	Latitude (Dec.)	Longitude (Dec.)	Latitude Verbatim	Longitude Verbatim	Modifier	Comment
1	31 14 47.35 S	64 28 13.09 W	-31.246486	-64.470304				
*								

Determination Source: Google Maps (map data 2020); MaNIS Georef. Calculat
Determination Method: Georeferencing Quick Reference Guide, Version 2012
Determined By: Person - L. Li (Lin Li); Collector, Project Manager, Geore
Determination Date: 11 Mar 2020
Centroid Latitude (DMS): Dec.: Centroid Longitude: Dec.:
Notes: Georeferenced to the center of Córdoba.

Radius (Verbatim): Probability:
Radius (Numeric): 1846.569 Units: m
Geometry: Datum: WGS84
Derive Centroid: System User Preferred: Yes

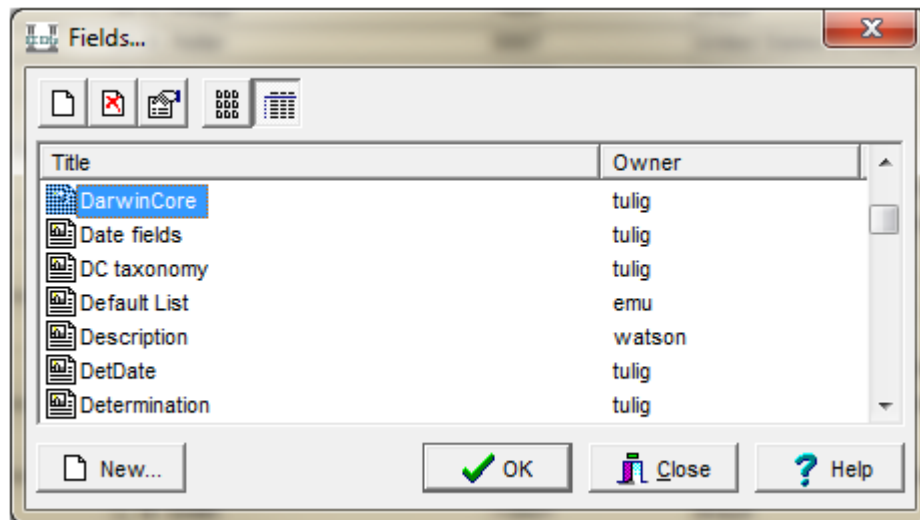
Latitude/Longitude List

	Determination Source	Centroid Latitude (DMS)	Centroid Longitude	Preferred
1	Google Maps (map data 2020); MaNIS Georef. Calculator			Yes
*				

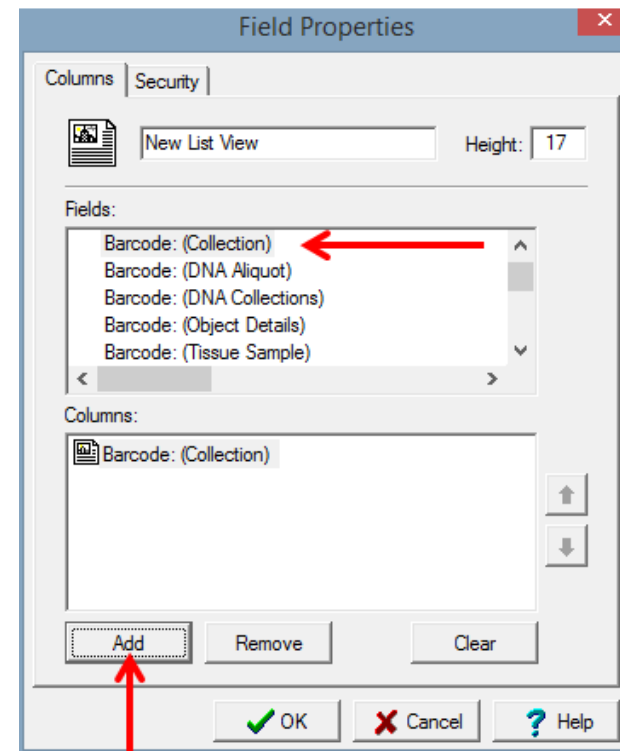
Record any assumptions made or and deviations from the guide (with concise explanation).
Or, note why it was NOT georeferenced.

LIST VIEW

- By default, every module displays Summary Data in List View.
- To change the columns that appear in list view, go to View->Columns->Select View or right click on the window and select Choose List.



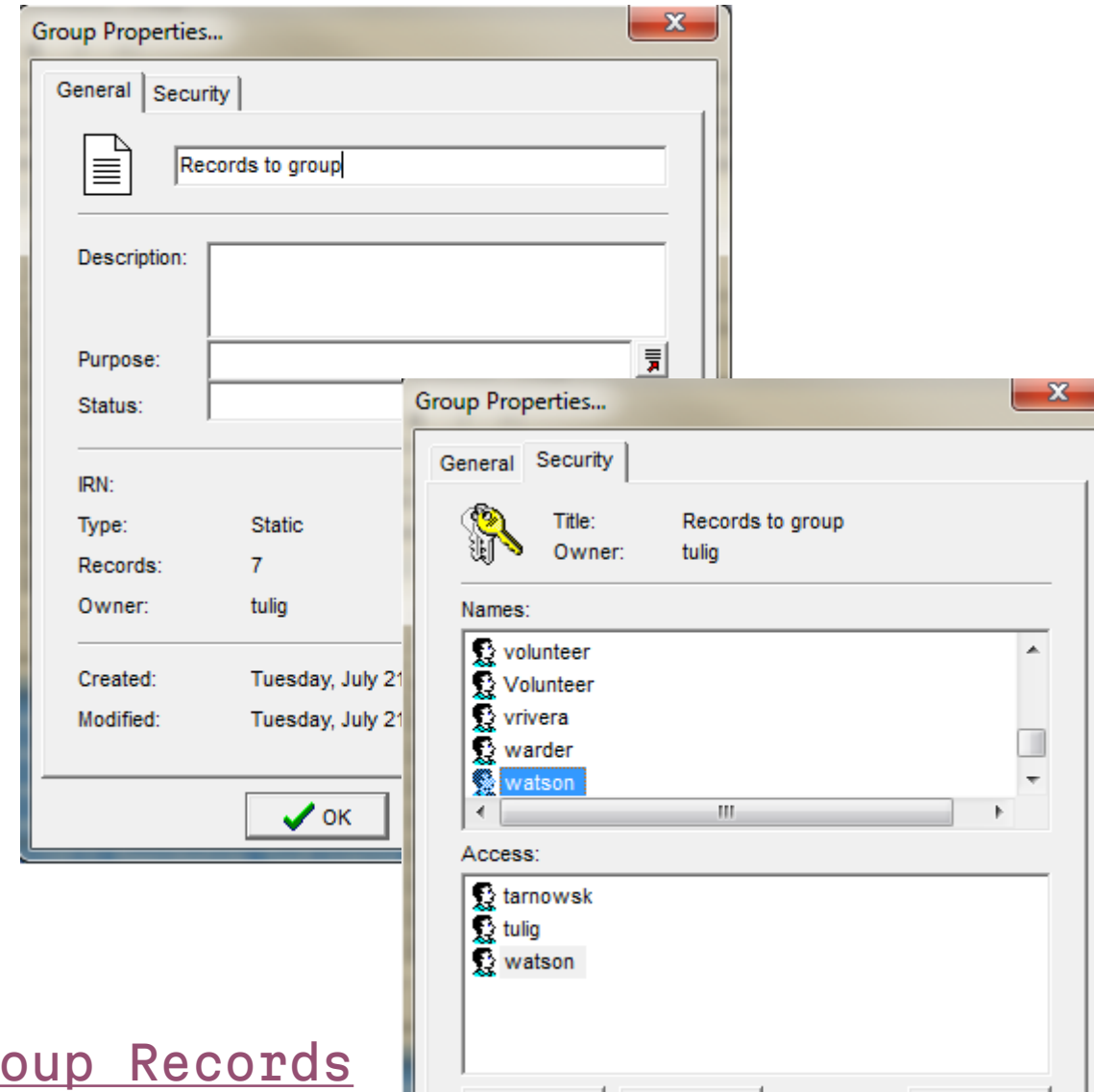
- You can create your own List View by going to View->List View->Choose List and clicking on New.
- Select the fields to add to your new List View.



List View

GROUPING RECORDS

- Search for the records you would like to save
- From the Menu Bar select **Tools>Group>All Record in Results**
- Click on the New icon in the lower left hand corner of the dialogue box that appears
- Another dialogue box will appear showing you the type of group you are creating and the number of records you are grouping. Give your group a name.



[How to Group Records](#)

SORTING

- Run a search to find the records you want to sort.
- Select Tools->Sort (Alt + T + T) or click on the Sort icon
- The Sort box displays with all available sort options.
- You can also create a new Sort with specific fields you are interested in sorting by

