

Workbench 2 possible locations found

Georeference Options Clear Polygon Draw polygon Place marker Measure

Locality String: Lisbon Falls

Country: UNITED STATES OF AMERICA

State: Maine

County: Androscoggin

latitude: 44.008043 longitude: -70.057947 uncertainty: 2504 m error polygon

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

500 m
1000 ft
Google

69.997586, 44.020436



PART 4: ENTERING INTO 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)

KE EMu (NYBG)

Catalogue Taxonomy Propagation **Sites**

Sites (1) - New

File Edit Select View Tools Tabs Multimedia Window Help

923140

Locality Details

Ocean:

Continent:

Country:

Province/State/Territory:

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:

Site Size

Locality Lat/Long Mapping Notes Multimedia Security Admin

New Site 1 of 1 watson 20085

For further help see the [Sites Wiki](#)

Sites: Specimen Data Entry

The screenshot shows the 'Sites (3) - Display' window with a menu bar (File, Edit, Select, View, Tools, Tabs, Multimedia, Window, Help) and a toolbar. The main content area displays the following information:

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 397365

Latitude/Longitude Details

	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		
*								

Determination Source: **Label** (highlighted in yellow)

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] Probability: [empty]

Radius (Numeric): [empty] Units: [empty]

Geometry: [empty] Datum: [empty]

Derive Centroid: System User Preferred: Yes

Latitude/Longitude List

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

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

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

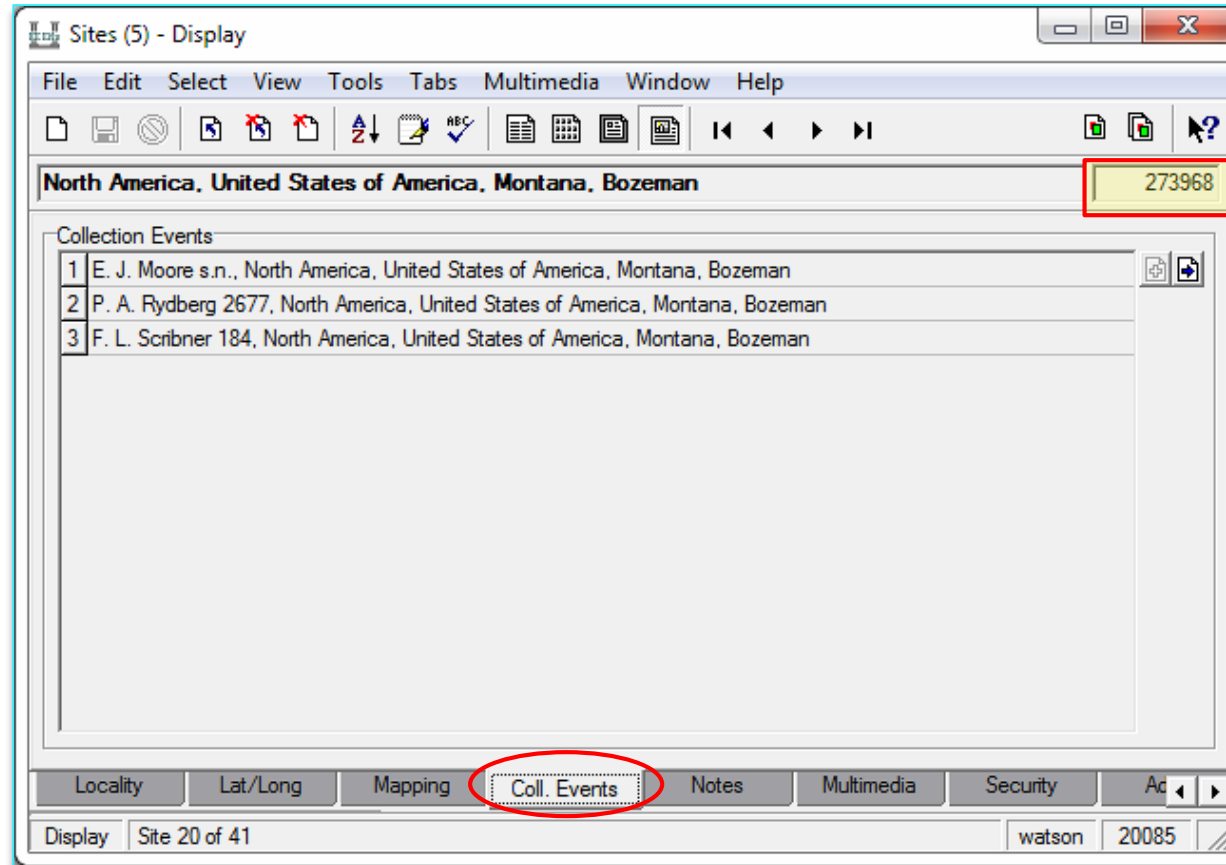
Locality Lat/Long Mapping Notes Multimedia Security Admin

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

The screenshot shows a software interface with a menu bar (File, Edit, Select, View, Tools, Tabs, Multimedia, Window, Help) and a toolbar. The main content area is titled "South America, Argentina, Córdoba, Vicinity of Cosquin, Córdoba" with a site ID of 1400388. Below this is a "Latitude/Longitude Details" section containing a table with the following data:

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

Below the table are various input fields for "Determination Source", "Determination Method", "Determined By", "Determination Date", "Centroid Latitude (DMS)", "Notes", "Radius (Verbatim)", "Radius (Numeric)", "Geometry", "Derive Centroid" (System/User), "Probability", "Units", "Datum", "Preferred" (Yes), and "Centroid Longitude".

Below the details section is a "Latitude/Longitude List" table:

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

At the bottom, there is a navigation bar with tabs: Locality, Lat/Long, Mapping, Notes, Multimedia, Security, Audit, Admin. The "Lat/Long" tab is highlighted with a red circle. The status bar at the bottom shows "Edit Site 23 of 6831" and "ekieman Admin 20085".

Enter coordinates into Latitude (Dec.) and Longitude (Dec.)

Derive Centroid: System (default)

Preferred: Yes (default)

Determination Source

The screenshot shows a software application window titled "South America, Argentina, Córdoba, Vicinity of Cosquin, Córdoba". The main window has a menu bar (File, Edit, Select, View, Tools, Tabs, Multimedia, Window, Help) and a toolbar. Below the menu bar is a table with columns: Latitude (DMS), Longitude (DMS), Latitude (Dec.), and Longitude (Dec.). The table contains one row with the following values: 31 14 47.35 S, 64 28 13.09 W, -31.246486, and -64.470304. Below the table are fields for "Determination Source:" (containing "google maps"), "Determination Method:", "Determined By:", "Determination Date:", "Centroid Latitude (DMS):", and "Notes:". A "Lookup Selection..." dialog box is open over the main window. The dialog box has a "Look For:" field containing "Google Maps (map data 2020); MaNIS Georef. Calculator". Below this field is a list of search results, with the entry "Google Maps (map data 2020); MaNIS Georef. Calculator" selected and highlighted in blue. A red arrow points to this selected entry. The dialog box also has "OK" and "Cancel" buttons at the bottom.

	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

Lookup Selection...

Look For: Google Maps (map data 2020); MaNIS Georef. Calculator

- Google Maps
- Google Maps (map data 2013)
- Google Maps (map data 2013); MaNIS Georef. Calculator
- Google Maps (map data 2014)
- Google Maps (map data 2014); MaNIS Georef. Calculator
- Google Maps (map data 2015)
- Google Maps (map data 2015); MaNIS Georef. Calculator
- Google Maps (map data 2016); Manis Georef. Calculator
- Google Maps (map data 2016); MaNIS Georef. Calculator
- Google Maps (map data 2017)
- Google Maps (map data 2017); Manis Georef. Calculator
- Google Maps (map data 2017); MaNIS Georef. Calculator
- Google Maps (map data 2018); Manis Georef. Calculator
- Google Maps (map data 2018); MaNIS Georef. Calculator
- Google Maps (map data 2019)
- Google Maps (map data 2019); Manis Georef. Calculator
- Google Maps (map data 2019); MaNIS Georef. Calculator
- Google Maps (map data 2020)
- Google Maps (map data 2020); MaNIS Georef. Calculator

OK Cancel

Paper/online gazetteer and version, paper map details, GPS model

Be specific enough to allow anyone in the future to find and use the same resources.

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

Determination Method

The screenshot shows a software interface with a main window and a 'Lookup Selection...' dialog box. The main window displays the following data:

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

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	
*		

The 'Lookup Selection...' dialog box is open, showing a search for 'Georeferencing Quick Reference Guide (Zemoglio et al. 2020)'. The search results list two entries: 'Georeferencing Quick Reference Guide, Version 2012' and 'Georeferencing Quick Reference Guide (Zemoglio et al. 2020)'. The second entry is selected. The dialog has 'OK' and 'Cancel' buttons at the bottom.

Cite the formal protocol you followed to determine the georeference
(coordinates AND maximum uncertainty)

Georeferencing Quick Reference Guide, Version 2020

Determined By and Date

The screenshot shows a GIS application window with the following details:

- Title Bar:** FILE EDIT SELECT VIEW TOOLS TABS MULTIMEDIA WINDOW HELP
- Address Bar:** South America, Argentina, Córdoba, Vicinity of Cosquin, Córdoba
- Record ID:** 1400388
- Latitude/Longitude Details Table:**

	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 (highlighted in red)
- Determination Date:** (calendar popup open for April 2020, with the 19th circled in red)
- Centroid Latitude (DMS):** [Empty]
- Centroid Longitude (Dec.):** [Empty]
- Notes:** [Empty]
- Latitude/Longitude List Table:**

	Determination Source	Centroid Latitude (DMS)	Centroid Longitude	Preferred
1	Google Maps (map data 2020); MaNIS Georef. Calculat			Yes
*				
- Bottom Bar:** Locality | Lat/Long | Mapping | Notes | Multimedia | Security | Audit | Admin
- Status Bar:** Edit | Site 23 of 6831 | ekieman | Admin | 20085

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): Dec.: Centroid Longitude: Dec.:
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
*				

Locality Lat/Long Mapping Notes Multimedia Security Audit Admin

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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 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: WGS84
Preferred: Yes

Latitude/Longitude List

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

Locality Lat/Long Mapping Notes Multimedia Security Audit Admin

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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
*				

Locality Lat/Long Mapping Notes Multimedia Security Audit Admin

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