

From: [Lindsey Wise](#)
To: [Turner, Ed](#)
Cc: [Betty Grizzle](#)
Subject: Re: ORBIC EO Poly / EOdata Table
Date: Wednesday, January 11, 2017 7:25:48 PM
Attachments: [PODS_fields.xls](#)

Hi Ed,

I should have included another document with the pt obs data that explains those codes, attached to this message. I'm usually more vigilant about this kind of thing but we've been having lots of weather closures and it's been difficult to get things done.

The different tabs in the spreadsheet explain the codes. There is a locational accuracy code (Idaho Location Code, values 1 through 5) and a locational uncertainty distance, which is a value in meters and can run from 0 to 10000. Sadly because I sent you a shapefile export (rather than a geodatabase) the field names got truncated, but you will be able to tell which is which from the values.

We're likely shut down for the rest of the week but if you have more questions I'll see what I can do from home.

-Lindsey

On Tue, Jan 10, 2017 at 6:26 PM Turner, Ed <ed_turner@fws.gov> wrote:

Hello Lindsey,

I was wondering

if you could help explain some of the coding in the Wolverine_obs.shp data that you sent. These are data from the "Point

Observation Database (PODS)", that is un-QC'd.

Here is some of the POC document:

“An indication of the reliability of these sources can be found in the **Tax_ID_Reliability field**, with a higher number indicating greater reliability of taxonomic identification of the species. “

“Some records may have approximate locational information as noted in the **Locational_Uncertainty_Code field**, with a higher number noting greater locational uncertainty.”

The selection you gave for the Wolverine has the following:

Tax_ID_R_1 - (
0, 1, 3)

Loc_Uncert - (0, 3, 7, 60, 100, 150, 200, 300, 400,
500, 800, 900. 3000)

I'm wondering if you have any idea what these numbers would
equate too?

I know the higher the number

the less reliable or less uncertainty in the location, but what would the
values actually mean. Would a

Tax_ID_R_1 = "1" be considered possibly

reliable, but a "0" would be something you would not consider? I'd assume based on the
code a "3" would be

ideal to retain.

On the Loc_Uncert, the number range is kind of, all over the place. Therefore, I do not know what would really be the cutoff of what would be a good location and what would not.

Ideally, I'd like to pare down all the various data we've received, likely records from those that may be questionable, if possible. Then I can date range what we retain and use that in our efforts.

Plus, I'm trying to make sure I can document most of this in the metadata.

Thanks for any input with this.

Ed

On Fri, Jan 6, 2017 at 4:11 PM, Lindsey Wise <lindsey.wise@pdx.edu> wrote:

Hi Ed,

It's no trouble. I ran a PDF report of all our wolverine EOs, it can be handy to have the tabular data in one document. The three unmapped EOs are vague locations as we suspected, though if needed to you could guess the approximate area based on the descriptions.

I also discovered that some data had been entered into the wrong field and so wasn't showing up in our exports, so I moved it - check EO_ID 36345 to see, this is the record near Roseburg. It just gives some more info about why we think the record is reliable, description of what was seen, etc.

As for the independent source features, since they aren't tracked as EOs they won't join to any of those tables in the file geodatabase, but they SHOULD join to the visitdata table by joining SOURCE_FEATURE_ID to SFEAT_ID. The Visit table will tell you what information we have about those sightings. If that's not working for you let me know and I can create a new export of those.

The only other useful info for the independent features would be the

source feature descriptor and source feature locator fields, which describe the location (e.g., "Boulder Creek Wilderness near Medicine Creek, off Rd. 450 in upper unit"). Those fields are in the sitedata table (sometimes called sourcedata).

Lastly, I zipped up a shapefile from our point observation database for wolverine sightings - this is an un-QC'd dataset, we use it to store animal observations that we may use at some point, for modeling or other projects. Many of these points are also in the independent source feature set but some are not, either we haven't yet gone through them or they may be more questionable records. There's a disclaimer PDF for this set as well.

Let me know if you have more questions or need anything else.

Cheers,
Lindsey

On Fri, Jan 6, 2017 at 3:02 PM, Turner, Ed <ed_turner@fws.gov> wrote:

Hello Lindsey, I hope I didn't cause too much work for you.

I just now drilled down in the Eodata table and was able to determine that EO_ID: 2892 and 15068 because they were just too general in location information, were most likely not mapped.

Likewise it seems like the EO_ID 1061 was not mapped either due to the fact that it only reports as 9 MI. SE of Mt Hood. Meaning it could have a very large inaccuracy.

We will just hold on to these records in tabular form as they had historically been seen in Mt Hood vicinity and out west of the Three Sisters.

I do appreciate your help with the source_pt data and that will help determine if we retain those or just look further at the USFS records we will receive.

Thank you again for all your assistance and have a great weekend,

Ed

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Edwin Turner, Geographer
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PODS field	PODS field type	Description
POD_index	autonumber	Machine-generated unique ID
Tax_ID_Reliability	number	A code for taxonomic identification reliability (1=poor, 4=excellent - check lookup table)
ELCODE	text	A unique code for species that is taxonomically ordered
Sci_name	text	Scientific name
Com_name	text	Common Name
Rec_Submission_Date	date/time	Date record was submitted for staff review and possible addition to the POD database
Rec_Submission_User	text	Person who submitted record
Rec_Create_Date	date/time	Date record was officially added to the POD database
Rec_Create_User	text	Person who officially added the record to the POD database
Rec_Update_Date	date/time	Date record was updated
Rec_Update_User	text	Person who updated record
Rec_Update_Comment	memo	Comments related to record update
Biotics_Source_Code	text	Code from Biotics database referencing the data source reference
FWP_Source_ID	number	ID from FWP Reference system
Survey_ID	number	ID from SURVEY table (also in MWILD)
Survey_Rec_ID	number	Record number from the survey data source (investigator's database)
Survey_Form_ID	text	Identification for survey data sheet
Survey_Other_ID	text	other survey ID information from the source dataset
Institute	number	Institute where the museum specimen is located
Accsn_No	text	Institute's assigned accession numbers for museum specimens
Prop_dat	text	Yes/no/blank field used where data provider would like attribution if data is used in publication
Location	text	The location description of the species observation as reported by the observer (SOURCE_FEATURE_LOCATOR in Biotics)
Map_Feature_LU_ID	number	Type of geographic feature where the observation was made
D_Digitizing_Base_ID	number	Basis for point location, linked to Biotics table BIOTICS_USER_D_DIGITIZING_BASE
Loc_Uncertainty_Distance_M	number	Distance of locational uncertainty in meters
Locational_Uncertainty_Code	number	Locational uncertainty code used by Idaho heritage center
SPX	number	State plane X coordinate reported by observer
SPY	number	State plane Y coordinate reported by observer
UTMZone	text	UTM zone reported by observer
UTME	number	UTM easting reported by observer
UTMN	number	UTM northing reported by observer
Latitude	text	Latitude reported by observer
Longitude	text	Longitude reported by observer
Gen_Latitude	number	Machine-generated value of latitude calculated when GIS feature was mapped
Gen_Longitude	number	Machine-generated value of longitude calculated when GIS feature was mapped
Town_Range	text	township and range
Sect	number	section
Sect_Comment	text	quarter section or finer
Elevation_Feet	number	reported elevation in feet
Gen_Elevation_Feet	number	generated elevation in feet
County	text	reported county - links to COUNTY table
Gen_County	text	generated County
Mapping_Comment	memo	comments related to how a point has been mapped
Agency	text	observer's affiliation
Observer	text	name of person who observed the animal
Observation_Date	date/time	date of observation
Observation_Date_Precision	number	number of days to which date is precise - 1 is precise date is known
Observation_Date_Text	text	for vague or imprecise dates
Species_Observation_Data	memo	Information about what was observed relating to the animal itself
Habitat_Observation_Data	memo	Information about what was observed relating to the habitat the animal was found in
D_Data_Type_ID	number	How the animal was observed - links to Biotics D_DATA_TYPE table
D_Location_Use_Class_ID	number	What was the animal doing at this spot? Links to Biotics D_LOCATION_USE_CLASS table
Unknown_Sex	number	number of individuals of unknown sex observed
Males	number	number of males observed
Females	number	number of females observed
Pairs	number	number of pairs observed
Juveniles	number	number of juveniles observed
Immature	number	number of immature animals observed
Eggs	number	number of eggs observed
Nest	number	number of nests observed
EO_Worthy_ID	number	Field identifying the validity and EO worthiness of the record
EO_Comments	memo	Comments on translating the record to an EO
Delete_Record	number	0=keep record, 1=delete record, 2=review for deletion
POINT_X	number	ssc X coordinate: download projection information at http://gis.oregon.gov/DAS/EISPD/GEO/data/format.shtml .
POINT_Y	number	ssc Y coordinate: download projection information at http://gis.oregon.gov/DAS/EISPD/GEO/data/format.shtml
source	text	ssc source
SUBWAT	text	huc6 watershed

Locational	Description
1	Exact (within 12.5 m of the actual site). Accuracy assessment of differential correction provided or verified on a 1:24,000 map or aerial photographs.
2	Very Good (within 400 m of the actual site). GPS coordinates of unknown accuracy, 1/4 sections, and similar data.
3	Fair (within 1km of the actual site). Township, range, section, or moderately detailed directions, etc.
4	Poor (within 5 km of the actual site). Ambiguous locations.
5	General Area. Vague or problematic data; use of a town or prominent landmark in historic data.

Tax_ID_Reliability	Description
1	Poor. Some errors can be expected.
2	Fair. Reliable source, but errors have been found in data.
3	Good. Sources are reliable. Some QC has been done.
4	Excellent. High degree of certainty, records have been QC'd.

MIGRstat	Description
S?	seasonal, possible
SC	seasonal, confirmed
SN	seasonal, non-breeding (wintering)
SP	seasonal, probable
Y	year-round
Y?	year-round, possible
YP	year-round, probable

Occurrence Status	Description
?	Possibly occurs in hexagon
C	Confirmed presence in hexagon
P	Probably occurs in hexagon

Breeding_code	Breeding_status	Description
A	Probable breeding	Anatomical evidence of breeding condition
AC	Confirmed breeding	Bird entering/leaving a probable nesting site in/on artificial (manmade) cavity or structure
B	Probable breeding	House, winter, and marsh wrens carrying nesting material, or woodpeckers drilling large cavities.
C	Probable breeding	Courtship or display behavior
CF	Confirmed breeding	Adult bird carrying food, presumably for young rather than for courtship
DD	Confirmed breeding	Distraction display
EO	Confirmed breeding	Female with egg in oviduct
FL	Confirmed breeding	Recently fledged young attended to by an adult
FS	Confirmed breeding	Adult carrying a fecal sac
M	Possible breeding	Individuals of the species found at multiple different locations within the same atlas unit, on one date during the usual breeding season.
NB	Confirmed breeding	Nest building
NC	Confirmed breeding	Bird entering/leaving a probable nesting site in natural (not manmade) cavity or other substrate
NE	Confirmed breeding	Nest and eggs, or bird seen occupying a nest, or identifiable eggshells found beneath a likely nest
NY	Confirmed breeding	Nest with young seen or heard.
P	Probable breeding	At least one pair (adult male and female) seen during the usual breeding season.
S	Probable breeding	Singing, calling, or "booming" individual heard in the same place on more than one date during the same year.
T	Probable breeding	Bird holding territory
UN	Confirmed breeding	Used nest found
V	Probable breeding	Visiting probable nest site
X	Possible breeding	Individual seen or heard at one place, on one date during usual breeding season. No other evidence of breeding noted.