

Filling out Access database

Fill out The Station Data Entry (Form View) first. This will automatically generate a unique station CN number for each station. The Station CN links the station data to the survey data. Once all the stations are entered into the Station Data Entry, you will just need to enter your survey data being sure you link it to the station data by selecting the correct Station CN from the drop down menu. Grayed out sections (Object ID, Station CN, Survey CN) will be automatically filled out by database. Survey Site CN stays blank for now. Use the arrow buttons at the bottom of the page to create a new record.

Station Data Entry Form

- Type in the station name
- Station type-use the drop down menu.
- District-use the drop down menu to select the district. If you want to be more specific you can put more information in the comments box.
- Filling in TRS is optional.
- Site number-if there is only one site then just call it site 1.
Position number-number of the station you are surveying from.
- Station ID-Not required
- UTM's-enter for each station. Usually generated from a GPS unit in the field.
- UTM zone-always filled in with a 10
- Ocean-not necessary to fill out distance from ocean this will be generated in the office if wanted by agency.
- Elevation-get off GPS or topo map in ArcGIS.
- Slope position-Check topo map to get a clear view of where the station is on the landscape.
- Placement-inside or outside the site boundary.
- Dist. to Edge-fill out only if station is outside the site boundary. If the station is more than 50m outside the site boundary the survey is not protocol.
- Canopy Cover-Use drop down menu to fill in percent canopy cover at station.
- Canopy Height-not necessary to fill out unless required by agency.
- Directions-Directions to station. This is up to the agency if they want it filled out.
- Comments-For any extra information about the station.

Survey Data Entry Form (grayed out sections will be filled out by database, use arrow keys at bottom of page to create new record)

- Station CN-Choose the station you are entering data for from the drop down menu.
- Survey Date-Date survey was done in the field.
- Protocol met-Yes, No, Unknown or Occupied behavior/non-protocol survey. The U option is used for data entry of older surveys, where the recorded data is unclear.
- Num Detections-total number of Marbled Murrelet detections recorded during your survey.
- Significant Behavior-Use the drop down menu. Should be self-explanatory.
- Survey Type-Use the drop down menu to select the type of survey done.
- Observer-3 initials
- Predator and Sensitive Species Observed-Use drop down list. If you need to add something that isn't on list, select other and explain in notes section.
- Weather section-Use drop down menus.
 - Ceiling-If low, note in notes what the height of the ceiling is. If below 1.0 it would be a non-protocol survey.
 - Wind-use value of consistent wind. If there are higher gusts put it in the notes. This is wind at ground level not tree top level.
 - Noise-will only accept one code. Choose noise that is most prominent and note others in the notes.
- Detections section-use drop down menus
 - Detection #-start with 1 for each survey.
 - Map #-not required, unless by agency
 - All times on data sheet-record in 4 digit military time (0600, 2012, etc.)
 - Init Flight Direction-choose direction from drop down menu.
 - Type-choose from drop down menu how detection was identified.
 - Keer-use drop down menu to record number and types of vocalizations heard.
 - Voc2-use drop down menu to record if calls were overlapping, wingbeats or jet sound heard, etc.
 - # of Birds-required to be filled out, if heard only put a U in the box.
 - Behavior- required field, use a U if it was an audio detection.
 - Init Going-use drop down menu to record direction.
 - Height-should be recorded in the bird's height as compared to the canopy height where the bird is observed flying (0.8, 1.0, 1.3, etc.)
 - Closest Dist. To Birds-distance of birds from observer at their closest distance. Do not fill out for audio detections.
 - Depart Flight Dir- use drop down menu to record final flight direction observed.
 - Final Detection Dir-use drop down menu to record direction.
 - Heard Only Dist to Bird-use drop down menu to record level of vocalizations heard.