

Key to Database Fields

Field Name	Source Table	Data Type	Description
obs_id	tblObservations	AutoNumber	Primary Key - Autonumber
survey_id	tblObservations	ShortText	Primary Key; unique alphanumeric identifier consisting of 4-letter NWR code, and 6-digit MM/YYYY date
plot_id	tblObservations	Number	Unique plot identifier; AutoNumber/Primary Key in the tluPlots table
plot_name	tblObservations	ShortText	Designated plot name
plot_area	tblObservations	Number	Plot area in sq km; most relevant for NPPSdb-compatible transect-based surveys
area_desc	tblObservations	ShortText	description of the plot area
count_num	tblObservations	Number	Index number for the number of counts that were performed for the selected plot
obs_name	tblObservations	ShortText	Initials of the observer who performed the count
obs_species	tblObservations	ShortText	Four-letter code representing the species surveyed
entity_type	tblObservations	ShortText	The development stage of the species surveyed: Adult, Chick, Fledgling, Nest, Immature
obs_time	tblObservations	Date/Time	Time the count was performed (24:00)
obs_count	tblObservations	Number	The number of birds or nests (or other entity type) counted in the plot
egg_count	tblObservations	ShortText	Egg count, or notes on egg presence, where relevant
vis	tblObservations	ShortText	Generalized visibility condition (selection) during observation: Excellent, Good, Fair, Poor
seacond	tblObservations	Number	Sea surface conditions at the time of the survey (selection): 1 = calm, 2 = light chop, 3 = moderate to heavy chop
winddir	tblObservations	ShortText	Wind direction (selection_: N, S, E, W, NE, NW, SE, SW, VRB (variable)
windspd	tblObservations	ShortText	Wind speed (knots)
genweather	tblObservations	ShortText	General notes on weather not captured by sea conditions or wind speed/direction
obs_notes	tblObservations	ShortText	General notes about the observation
db_notes	tblObservations	Short Text	Notes field for the person aggregating data
exclude	tblObservations	Yes/No	Exclude plot? (Appears in tblObservations as "exclude")
exclude_r	tblObservations	ShortText	Reason for excluding plot (Appears in tblObservations as "exclude_r")
refuge_unit	tblSurveys	ShortText	Refuge unit, where specified; otherwise, full refuge name
site	tblSurveys	ShortText	Designated site or island surveyed
survey_protocol	tblSurveys	ShortText	Protocol type (selection): Plot or Circumnavigation
survey_platform	tblSurveys	ShortText	Platform from which observations were made (selection): Land, Boat, Aerial
survey_type	tblSurveys	ShortText	Basis of record for the observations (selection): Visual, Handheld camera, Fixed camera
survey_date	tblSurveys	Date/Time	Date of the survey
start_time	tblSurveys	Date/Time	Time the survey started
stop_time	tblSurveys	Date/Time	Time the survey ended
replicate	tblSurveys	Number	Replicate number of the survey, where relevant
survey_notes	tblSurveys	ShortText	General notes about the survey
source	tblSurveys	ShortText	Name of the source from which the record is derived
exclude	tblSurveys	Yes/No	Exclude plot? (Appears in tblSurveys as "exclude")
exclude_r	tblSurveys	ShortText	Reason for excluding plot (Appears in tblSurveys as "exclude_r")

Key to Database Fields

Field Name	Source Table	Data Type	Description
plot_type	tluPlots	ShortText	Type of plot (selection): Point or Transect
plot_group	tluPlots	ShortText	Plot grouping
location_index	tluPlots	ShortText	Internal (office or refuge) reference code for given site or plot
Latitude	tluPlots	Number	Latitude (DD) of point plot, or beginning of transect
Longitude	tluPlots	Number	Longitude (DD) of point plot, or beginning of transect
End_Lat	tluPlots	Number	Latitude (DD) of end of transect, when relevant
End_Long	tluPlots	Number	Longitude (DD) of end of transect, when relevant
transect_length	tluPlots	Number	Length (km) of transect
historic_plot_name	tluPlots	ShortText	Prior name of plot (e.g., if split into multiple plots or renamed)
required/index	tluPlots	Yes/No	Required or index plot? (Currently only indicated in the Becharof NWR data)
est_year	tluPlots	ShortText	Year the plot was established, if known
COMMONNAME	tluSpp	ShortText	common species name, as described by NPPSD taxonomy
SCINAME	tluSpp	ShortText	scientific species name, as described by NPPSD taxonomy
TSN	tluSpp	Number	Integrated Taxonomic Information System (ITIS) (2013) Taxonomic Serial Number
TaxCode	tluSpp	Number	National Oceanographic Data Center (NODC) (1996)
Source	tluSpp	ShortText	source of species code, including AKM, BirdPop, and NPPSD