

# CDOT Wetland Data Collection Procedures

## Instructions for wetland data collection

Equipment – GPS unit capable of at least sub-meter accuracy

Coordinate system – Datum = NAD 83 (CONUS)

System = Latitude / Longitude

Altitude reference = mean sea level (MSL)

Altitude units = survey feet

Units – Distance units = survey feet

Area units = square feet

Lat/Long format = decimal degrees (DD.ddd°)

Data dictionary – ideally would match the attribute table that is shown below

## Data transfer into ArcMap (CDOT database)

ESRI Shapefile - Format required for every project that has wetlands mapped

Attributes – Data dictionary must be used to reflect the attached attribute table, or the attribute table below must be completed and provided with the data.

Work flow –

- Consultant sends data to CDOT region environmental staff
  - Region sends data to CDOT HQ wetland program manager
    - HQ wetland program manager adds data to database
  - Region environmental staff adds data to database
- Consultant sends data to CDOT HQ wetland program manager (per region's direction)
  - HQ wetland program manager adds data to database
- Region biologist collects data
  - Region environmental staff adds data to database
  - Region sends data to CDOT HQ wetland program manager
    - HQ wetland program manager adds data to database

Table: Example of Completed Attribute Table

Field	Data Type	Example	Comments
DESIGN_SUBACCOUNT	Double	20123	
BEGIN_MP	Double	68.23	
END_MP	Double	72.01	
BGN_OFFSYSTEM	Text	21.55	Off system mileposts should be typed here.
END_OFFSYSTEM	Text	24.31	Off system mileposts should be typed here
DELINEATION_DATE	Date	10/26/2014	
EXPIRATION_DATE	Date	10/26/2019	
WETLAND_DESCRIPTOR	Text	PEM, PSS	
SIZE_ACRES	Double	0.123	
OPEN_CLOSED	Text	closed	closed or open
JURISDICTIONAL_STATUS	Text	NJD	NJD or JD
USACE_FILE_NUMBER	Text	SPK-2011-00245	
ROUTE	Text	085A	
PROJECT_TYPE	Text	construction	construction or mitigation