

Electronic Data Delivery (EDD) Guidelines

Bathymetric/Topographic Contours Survey Data Requirements

This document contains instructions for delivery of **bathymetric/topographic contours survey data**. The formatting described in this document applies to the following bathymetric/topographic survey data type codes found in the CPRA File Naming Convention (FNC) document and Table 3 below: ELMBB, ELSBB, ELINB, ELSUR, BATHY, and ISPCH.

A Contour data deliverable must contain:

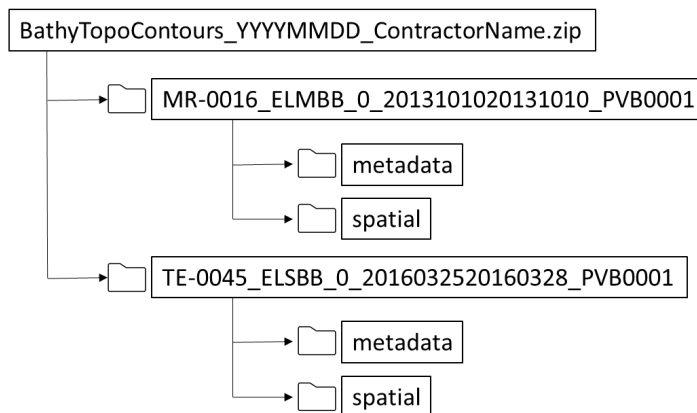
1. a GIS line layer, in Esri shapefile format describing the sampling locations with associated attribution,
2. metadata documents in *.html and *.xml format

All delivered contour spatial data must be provided in the Horizontal Coordinate System: UTM NAD83 Zone 15 (meters) and the Vertical Datum: NAVD88 (feet). Delivered files will be compressed into a single *.zip file named BathyTopoContours_YYYYMMDD.zip, where ‘YYYYMMDD’ is the date the data package was delivered to CPRA, and whose structure, and contents are defined below.

Data deliverables for contours must include:

- 1) Zipped processed data package folder structure and contents:

Figure 1: Zipped data package deliverable folder structure and contents example



- a. “**metadata**” folder: Metadata - FGDC compliant metadata in XML and HTML format and named using the File Naming Convention.
 - i. The contractor must ensure the “Data_Quality_Information > Lineage > Process_Step” sections of the metadata record covers the details of any data processing along with pertinent geodetic associated information (including but not limited to Horizontal Coordinate System, Vertical Datum, Geoid, Ellipsoid, Epoch, Vertical Benchmark, etc.). Metadata should clearly address the data

collection process and clearly describe the units for any collected or sampled parameters. The contractor must ensure the provided metadata addresses data (e.g., to reports, logs or images) to which each sediment sample/grain size sample will “link.”

- b. “**spatial**” folder: Vector locations as a GIS line layers using the Esri shapefile format following the CPRA shapefile template for TopoBathy Contour data using the geometry and attribution information below and, named using the File Naming Convention.
 - i. Attribute Specifications, Table: TopoBathy Contours (*also provided in Table 1 below*)
 - ii. GIS Shapefile Template: TopoBathyContours.shp

List of required attributes for each contour included in a data deliverable.

(From – Attribute Specifications, Table: TopoBathy Contours)

NOTE: The following special characters are NOT allowed within any elements: #, <, >, \$, +, %, !, ` , &, *, ‘, |, {, }, ?, “, =, /, :, \, ;, @, blank spaces or commas.

Table 1: Attribute Specifications

Field Name	Description	Specific GIS Data Type	Unknown Data Values
TYPE	Geophysical data type collected. (See Geophysical Data Types table below)	Text (100)	UNKNOWN
PROGRAM	Program (CWPPRA, LCA, STATE, ...).	Text (20)	UNKNOWN
PROJECT	Project name or title.	Text (200)	UNKNOWN
PROJ_ID	Project number (state id, federal id, ...).	Text (20)	UNKNOWN
DATE_COLL	Date collected (YYYYMMDD).	Text (10)	99999999
Z_FT	Elevation (feet, NAVD 88)	Double (10,2)	-9999
Z_M	Elevation (meters, NAVD 88)	Double (10,2)	-9999
Thickness	Thickness of material above seismic reflector (isopach only, measured in feet).	Double (8,2)	-9999
CONTRACTOR	Name of contractor that collected the data.	Text (100)	UNKNOWN
ORG	Organization that ordered the work.	Text (100)	UNKNOWN
Meta_xml	The CPRA File Naming Convention-compliant file name of the xml metadata file located in the metadata folder. Example: MR-0016_ELSBB_0_2013101020131010_PVB0002.xml	Text (200)	UNKNOWN
Meta_html	The CPRA File Naming Convention-compliant file name of the html metadata file located in the metadata folder. Example: MR-0016_ELSBB_0_2013101020131010_PVB0002.html	Text (200)	UNKNOWN
COMMENTS	Special comments pertaining to a specific GIS record	Text (250)	<NULL>

Table 2: Geophysical Data Types

Data Type	CODE
Bathymetry, Multibeam	ELMBB
Bathymetry, Singlebeam	ELSBB
Bathymetry, Unknown	BATHY
Lidar	ELLID
Isopach	ISPCH
Unknown	UNKNO

File Naming Convention elements are separated by underscores as follows:

Element 1 Project: MR-0016 (Mississippi River Hydrodynamic and Delta Management Study CPRA Project ID)

Element 2 Data Type Code: ELSBB (Single Beam Bathymetry data)

Element 3 Place: 0 (Single 0 for data delivered to CPRA)

Element 4 Date: 2013101020131010 (Data was collected on a single day)

Element 5 Sequence: PVB0002 (Processed data, data provider/processor's initials "VB," sequence value of 0002)

Element 6 Optional: N/A (Since there is no optional value, the delimiter and any padding is eliminated)

Data package deliverable folder name (Example):

MR_0016_ELSBB_0_2013101020131010_PGS0001