

ERIC ICR GIS Shapefile Requirements

The Purpose of this Geographic Information System (GIS) Output Shapefile is to provide the GIS file standards for the Environmental Restoration Integration Cleanup (ERIC) Institutional Control Registry (ICR) database.

Required Files (include in a zip file):

The zip file must include the following information below:

- **.shp** — shape format; the feature geometry itself
- **.shx** — shape index format; a positional index of the feature geometry to allow seeking forwards & backwards quickly
- **.dbf** — attribute format; columnar attributes for each shape, in dBase IV format
- **.prj** — projection format; the coordinate system and projection information

Specifications that must be met:

Files that do not meet all of the following specifications will not upload into ERIC ICR even if viewable in MapDirect:

1. There can only be one copy of each required file type in the zip file. However, files other than the required four above can be left in the shapefile and uploaded to ERIC ICR.
2. If different areas have different restrictions (e.g., Engineering Controls or groundwater vs. soil restrictions), each restricted area must have a separate set of files and be zipped up separately (i.e., only one of each of the four file types above in the zip file)
3. There can only be one shape in the shapefile, but there can be multiple polygons in the one shape; i.e., only one record in the .dbf
4. For the shape (.shp) the WKID needs to be 3087 or 3086. This is viewed in the GIS software.
5. The “DATUM” field in the .prj must be “D_North_American_1983_HARN” or “D_North_American_1983”.
6. The shapefile can only have one record within the shapefile.

AutoCAD files are not acceptable as a file format.

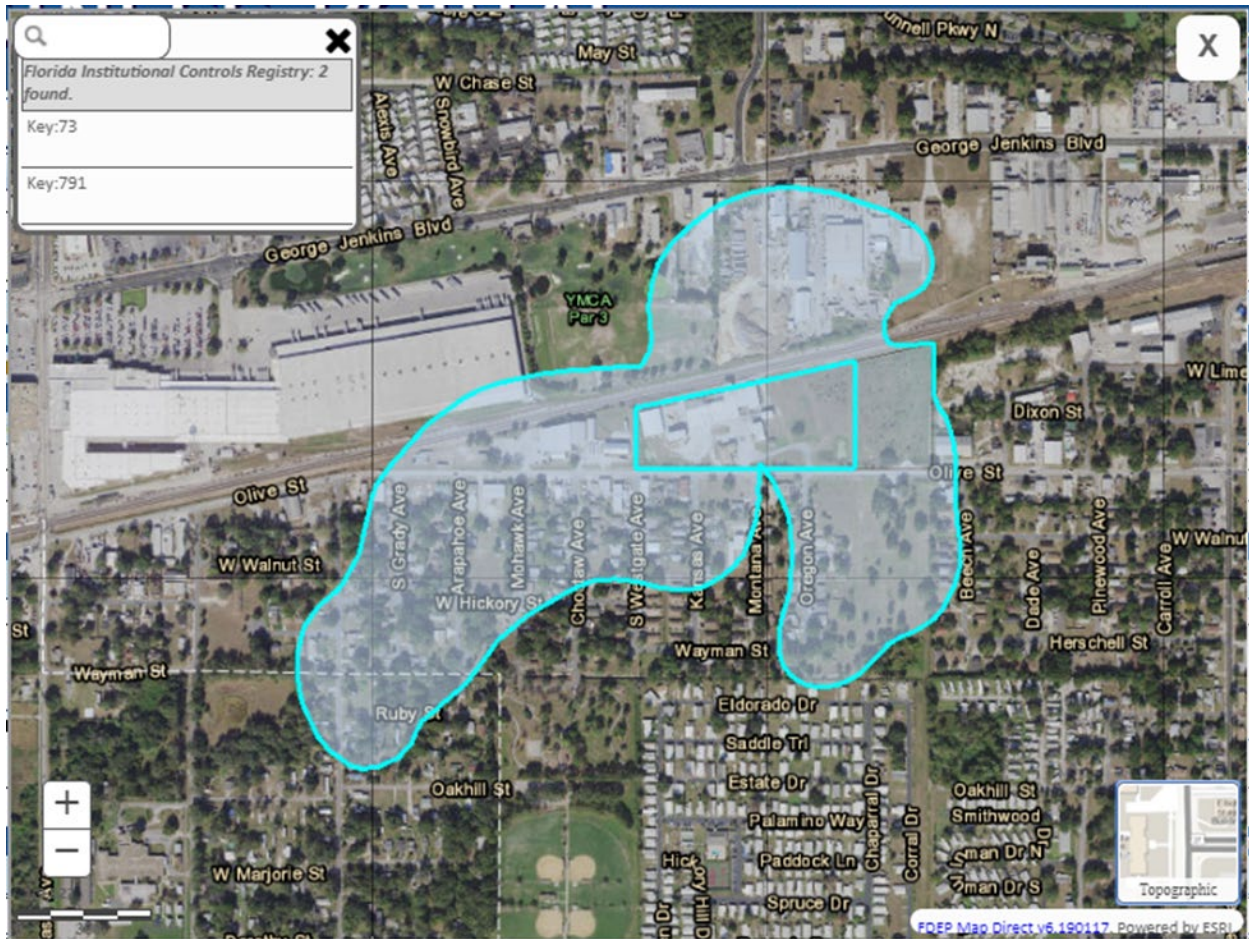
Consistent with Specification 1:

The .cpg and .sbn files are not required but can be left in the shapefile
Contents of shapefile “Retreat_Of_Tampa.zip” –
only one shape (“Retreat_Of_Tampa.shp”) in shapefile
Retreat_Of_Tampa.zip

<input type="checkbox"/>	Name
<input type="checkbox"/>	Retreat_Of_Tampa.shp.xml
<input checked="" type="checkbox"/>	Retreat_Of_Tampa.shp
<input checked="" type="checkbox"/>	Retreat_Of_Tampa.sbx
<input type="checkbox"/>	Retreat_Of_Tampa.sbn
<input checked="" type="checkbox"/>	Retreat_Of_Tampa.prj
<input checked="" type="checkbox"/>	Retreat_Of_Tampa.dbf
<input type="checkbox"/>	Retreat_Of_Tampa.cpg

Specification 2:

The inner polygon is a soil restriction, while the outer polygon is a groundwater restriction. These restrictions are on different areas; therefore, each restriction must be in a separate shapefile. Note that MapDirect will accept both restrictions in the same shapefile for viewing, but ERIC ICR will not accept both restrictions in the same shapefile for upload.



This figure is an example of a site with two polygons representing two two different restrictions.

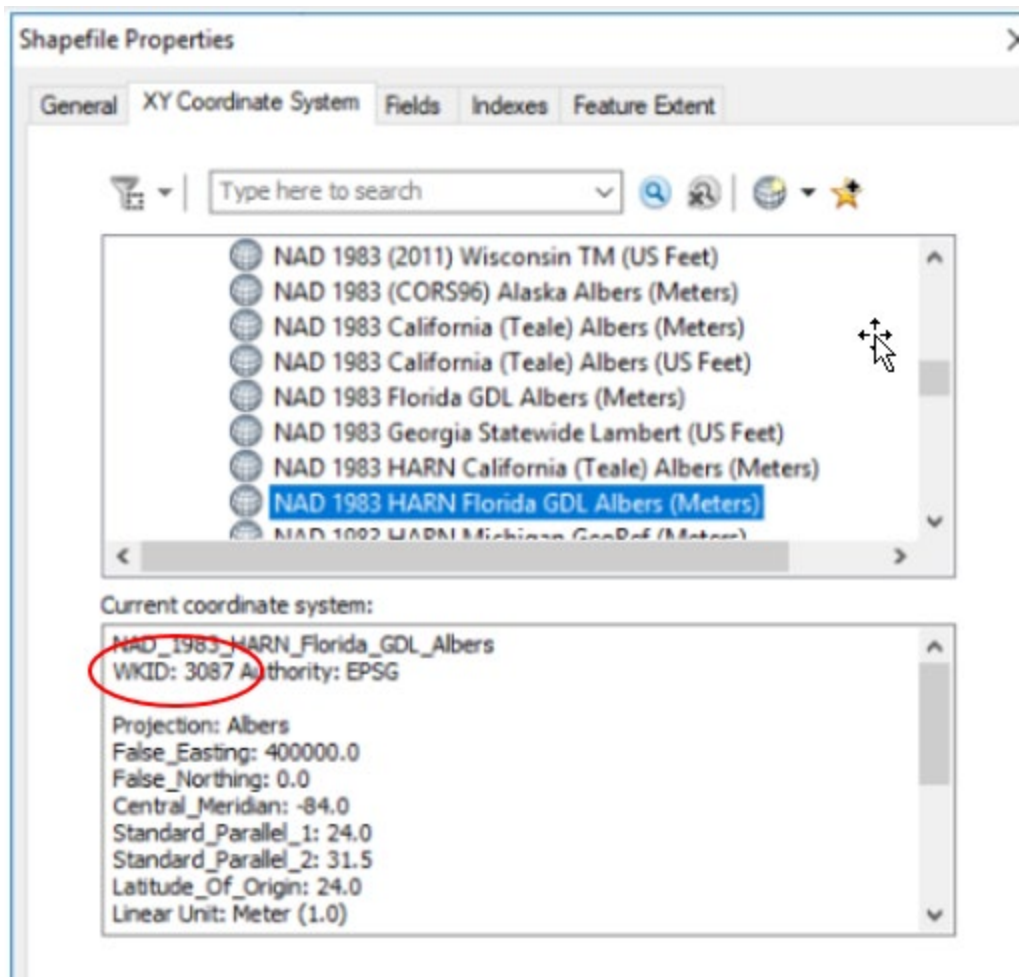
Consistent with Specification 3:

The .dbf file, viewed in Microsoft Excel, has only one record (one row).

	A	B	C	D
1	NAME	ADDRESS	CITY	ZIP
2	Retreat Of Tampa	11326 N 46TH ST	Tampa	33617

Specification 4:

The WKID can be found in the GIS software (ArcMap is used as an example below):



Consistent with Specification 5:

The .prj file, viewed in Notepad, has "D_North_American_1983_HARN" in the "DATUM" field.

```
Retreat_Of_Tampa.prj - Notepad
File Edit Format View Help
PROJCS["NAD_1983_HARN_Florida_GDL_Albers",GEOGCS["GCS_North_American_1983_HARN",DATUM
["D_North_American_1983_HARN",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
["Degree",0.0174532925199433]],PROJECTION["Albers"],PARAMETER["False_Easting",400000.0],PARAMETER
["False_Northing",0.0],PARAMETER["Central_Meridian",-84.0],PARAMETER["Standard_Parallel_1",24.0],PARAMETER
["Standard_Parallel_2",31.5],PARAMETER["Latitude_Of_Origin",24.0],UNIT["Meter",1.0]]
```