# HDProj – HydroDesktop Project File

An HDProj file is an XML file based on the MapWindow mwproj file format. It contains additional elements specific to HydroDesktop. There are 3 major sections of this file: Plugins, MapFrame, and CustomSettings.

## Plugins:

For each active plugin, the .hdproj file contains:

* Name
* Author
* Settings string
  + This is what could be used to save information like which online basemap service should be enabled.
  + The PluginToken class does not currently contain the element for the settings string. It needs to be added so it can be used and saved. This is part of DotSpatial.
  + Q: Is a simple string enough for all the plugins to save their configuration information? Perhaps there should be a settings child element where plugins could save more advanced information.

## MapFrame

* Extent of view upon last project save
* Groups of Layers
* Layers
  + Type (point, polygon, etc), legend text, visibility, path to source file
  + Symbolizer
  + Symbology

## CustomSettings

Currently the only “CustomSetting” is the path to the SQLite database associated with the project.

* I think the Metadata cache should be either rolled into the project database, or the path to it needs to start being saved on a project basis. Currently the Metadata Cache is a separate database and is maintained at the application-level (rather than per-project).

## Ideas for Other Information that Could be Saved

* Which Tab the user is on at the time of saving (Home, Search, Table, etc.)
* Saved Searches
  + Currently this is stored as a separate “global” setting. Regardless of which project is open, the list of saved searches remains the same. Is this the behavior we want?
* Series that are selected for the Table/Graph views.
  + Q: Should this be handled on the plugin-level since Table and Graph are technically plugins? Table and Graph share the series selection, so perhaps this is more of a general project setting and should be included in the CustomSettings section of the .hdproj.