Updating DotSpatial DLLs used in HydroDesktop

You have just fixed a bug in DotSpatial, and now you need the fix to be carried over to HydroDesktop.

This is a two-part process. First we will create new nupkg files for each DotSpatial DLL and upload these to http://www.nuget.org/packages?q=dotspatial. *Next, we will update the HydroDesktop solution to use the new version of the DotSpatial NuGet packages.*

1. Download the .bat file [CreateDotSpatial.bat](#) from http://hydrodesktop.codeplex.com/documentation.
2. The first two lines of this file need to be altered before it will work.
   a. The first line needs an incremented version number (i.e., 1.4.1 should be changed to either 1.4.2 or 1.5).
   b. The file path in the second line needs to be changed to the location of DotSpatial's source code on your machine.
3. Save this file and close.
4. Now, simply double-click the .bat file (a cmd window will open) and the script should successfully create and upload DotSpatial's NuGet packages to http://www.nuget.org/packages?q=dotspatial.
   a. See below if you receive an error.
5. Check to see that the upload occurred by clicking one of the Packages in the [Nuget site](#). Check the Last Update date and the version number to ensure that the upload successfully occurred.
6. Next we need to download the DLLs into the HydroDesktop solution. Open HydroDesktop.sln in Visual Studio.
7. In the **Solution Explorer**, right click **Solution 'hydrodesktop',** select **Manage NuGet Packages for Solution…**
8. You should see the new DotSpatial packages in the Updates tab.
   a. Update DotSpatial.Serialization and DotSpatial.Projections first because these have no dependencies.
   b. Update a package by selecting it and clicking **Update**. Update all DotSpatial packages.
9. Once all packages are up to date, we need to change the value of the Copy Local field to false for the DotSpatial references in each project; otherwise you will end up with multiple copies of the DLLs in Binaries/Plugins/ProjectName.
   a. In the Solution Explorer, expand a project and then expand its References. Select all DotSpatial references and change the **Copy Local** value to False in the **Properties** window. (If the window is not visible, right click a reference and select properties).
   b. Repeat this step for every project in the solution.
10. Lastly, run HydroDesktop to ensure that everything compiles fine and test that the changes to DotSpatial have carried over.

Error Creating and Uploading NuGet Packages:

If you receive an error when running the CreateDotSpatial.bat file that says, "OutputPath property is not set...," try each of the following to fix this problem.

1. Set build configuration:
   a. Open the DotSpatial .sln files in Visual Studio (not at the same time).
   b. Go to **Build -> Configuration Manager**.
   c. Set the **Active solution configuration** to "Release" and the **Active solution platform** to "Any CPU."
   d. Try running CreateDotSpatial.bat.
2. Delete Platform environment variable (see here for more info):
   a. Open Windows Explorer, right click on **Computer** and choose **Properties**.
   b. In the menu on the left, select **Advanced System Settings**.
   c. Open **Environment Variables**.
   d. Under **System Variables**, find the variable called **Platform** and **Delete** it.
   e. Try running CreateDotSpatial.bat.