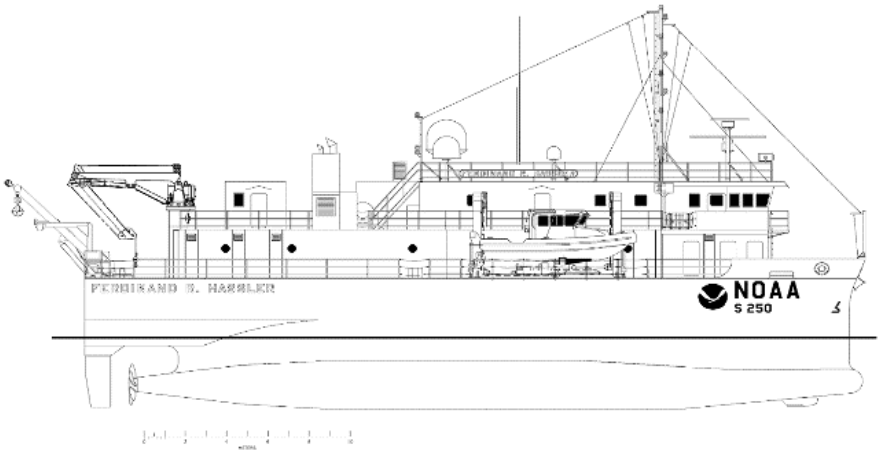
Ferdinand R. Hassler Buffering Sheet Limits in ArcMap

Standard Operating Procedures



Revision History

Date	Revision Description (Reason/What)	Updated by
07/19/2020	Original SOP from NOAA Ship TJ	NOAA Ship TJ personnel
05/21/2021	General Review and Update for FH	ST Tigges
11/19/2023	Reviewed and updated	LT Debroisse

1. Overview and Scope

This SOP outlines the procedure for buffering sheet limits so that the appropriate amount of overlap can be made with junction surveys.

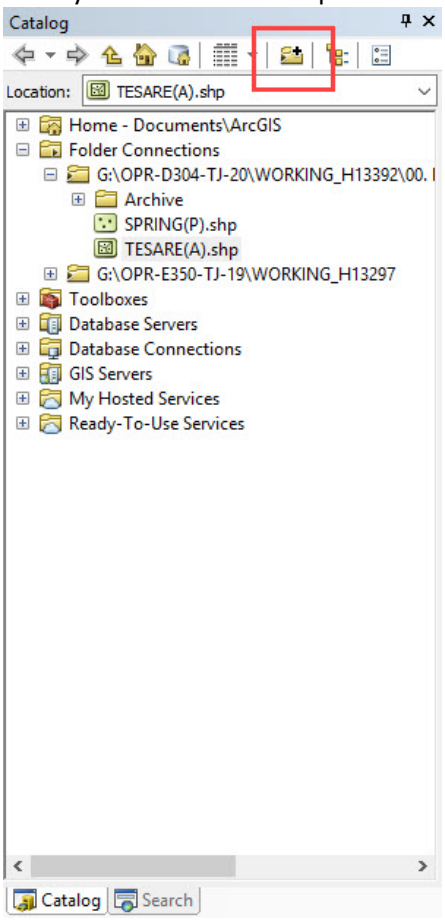
2. Procedure Inputs and Outputs

Inputs: Sheet limits shape file.
Outputs: Shape file of buffered sheet limits.

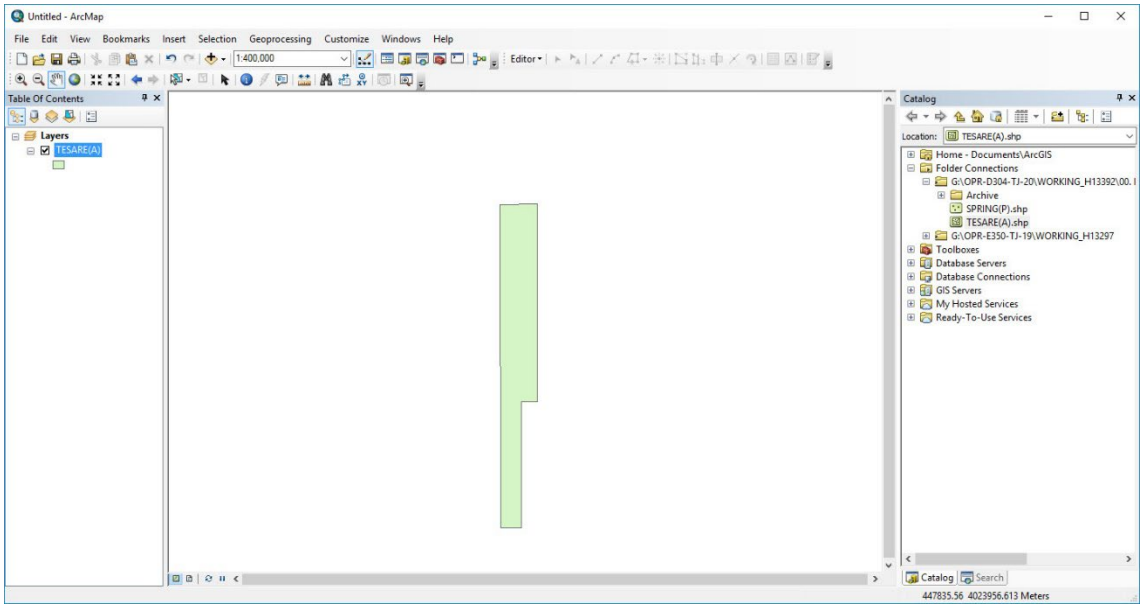
3. Procedure

1. Before starting, make a sheet limits shapefile. This procedure can be found in the SOP for sheet file prep in Caris, located at P:\Survey_Storage\04_SOPs\1_Planning.

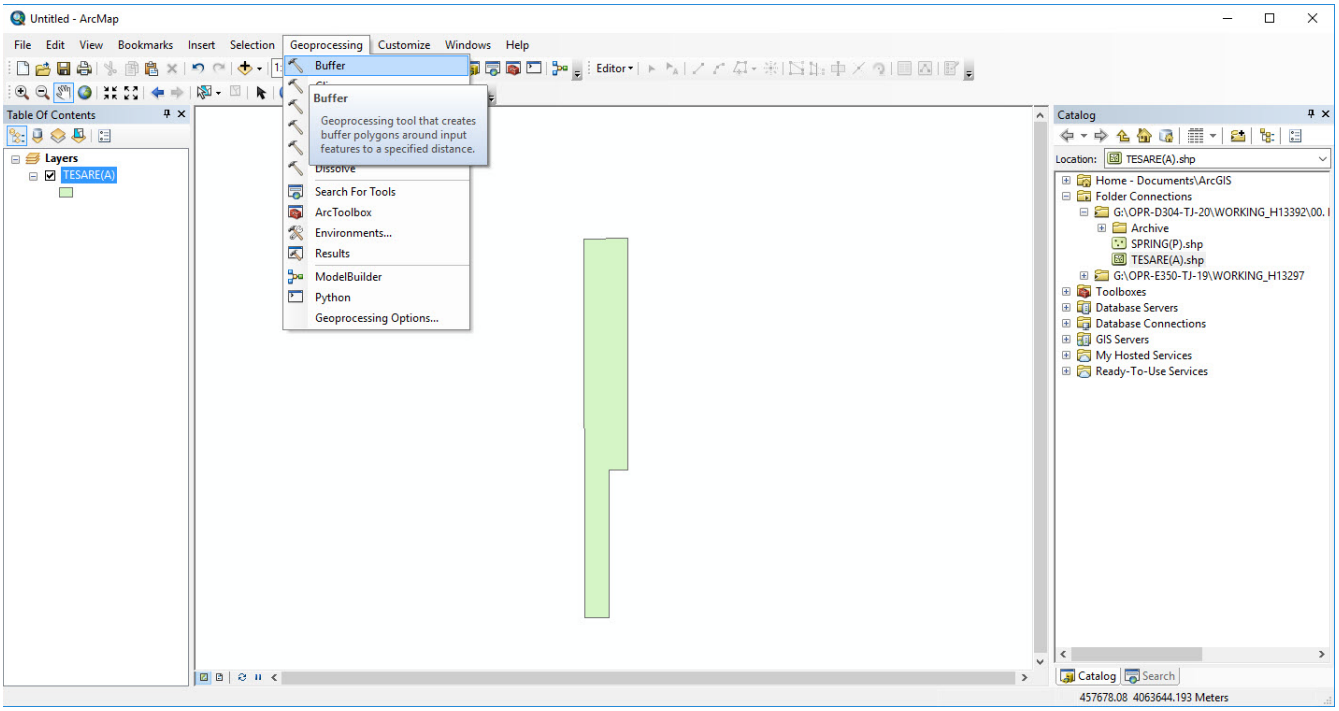
2. Open ArcMap.
3. Connect to the folder that contains your sheet limits shapefile in the *Catalog*.



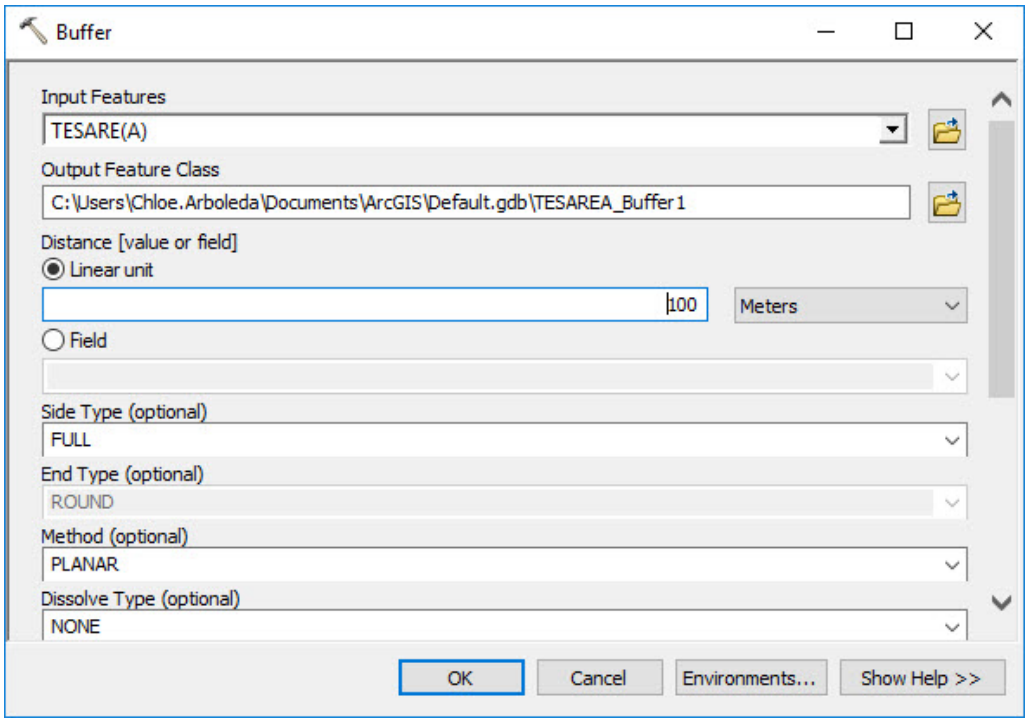
4. Within the *Catalog*, locate the sheet limits and drag them into the center window. The shape of your sheet should now be visible in the window.



5. Locate the *Geoprocessing* tab on the top toolbar. Navigate to the *Buffer* option and click it.



6. A window should open. Use your sheet limits shape file as the *Input Feature*. In the *Output Feature Class* field, browse to where you want it saved, rename it with "_Buffered" at the end of the name, and put .shp at the end of your name. Then, pick the size and units of your buffer in the *Linear unit* section. Leave everything else as the default and hit *OK*.



7. Your buffered layer should pop open. Save it as a buffered sheet limit in your sheet's working folder at P:\Survey_Storage\00_PROJECTS\YYYY\OPR-HXXX-FH-YY\Working_Project_Files\03_SHP and you're set.

Note that there is a Feature Class to Shape file tool that can be used if needed.