

TRANSFERRING DATA USING XML FILES

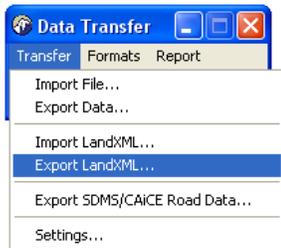
An XML file is an Extensible Markup Language file which follows a common formatting standard for encoding electronic data which allows the data to be shared among different software platforms. XML files can be used to transfer design data such as surfaces, alignments and profiles between different CAD platforms, such as between Eagle Point and Civil 3D. This Quick Reference outlines the procedure for creating an XML file in Eagle Point which can be imported into Civil 3D.

A. Create the XML file in Eagle Point

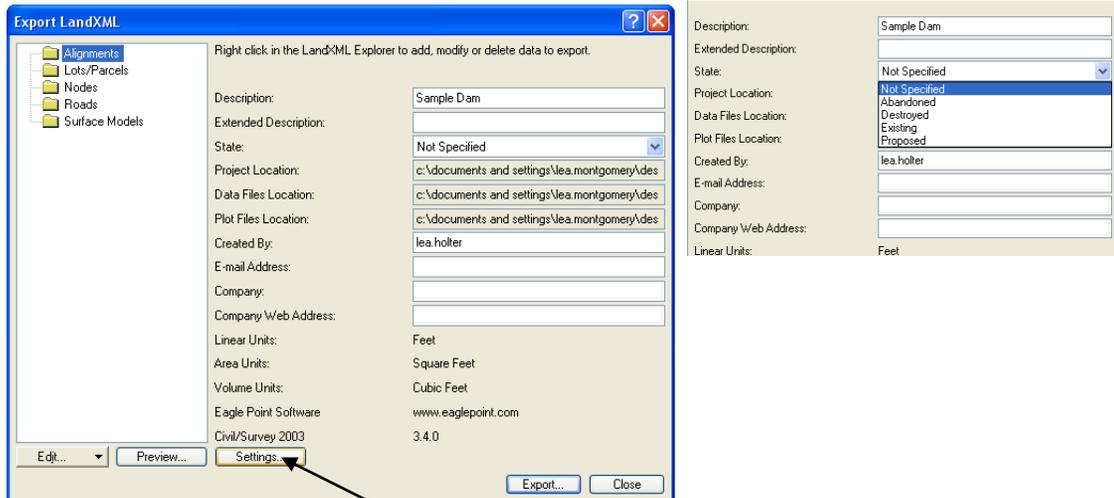
1. An XML file is created in Eagle Point through the Data Transfer menu. Open the Data Transfer window by selecting its icon or by selecting *Data Transfer* from the *Products* drop-down menu.



2. In the Data Transfer window, select *Export LandXML...* from the *Transfer* drop-down menu.



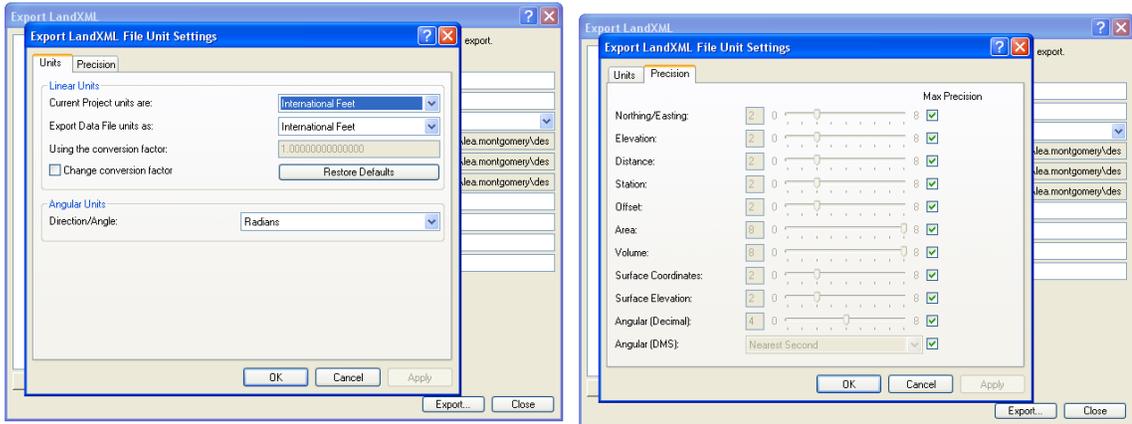
3. The Export LandXML window will open, which you will use to select the data that you want to include in the XML file and to provide additional information to be included with the exported data. For example, you could provide a more extended description to describe the data or your contact information. The entities being exported can be designated as abandoned, destroyed, existing or proposed by using the *State:* drop-down menu.



Additional settings can be controlled by clicking on the *Settings...* button.

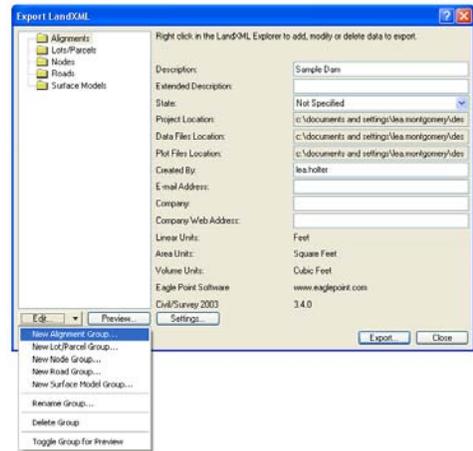
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4. There are additional options for Units and Precision settings in the Export LandXML File Units Settings window that appears.

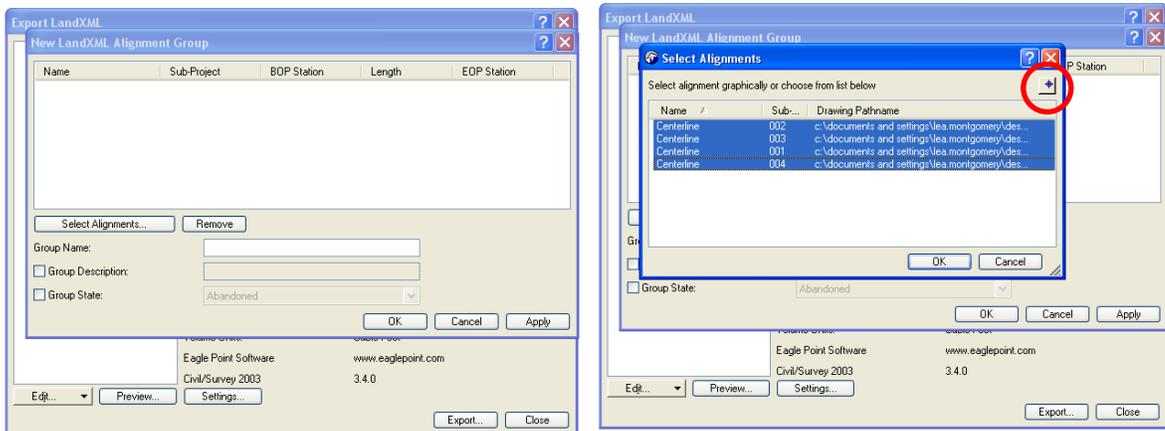


5. The types of data that can be included in the XML file are listed in the left hand pane of the Export LandXML window, shown on the right. You can add to a data category by clicking on the *Edit...* button at the bottom of the window or by right clicking on one of the data category folders in the left hand pane of the window.

To add alignment data to the XML file export, right click on the Alignments folder in the left hand pane of the window or on the *Edit...* drop-down button and select *New Alignment Group...*

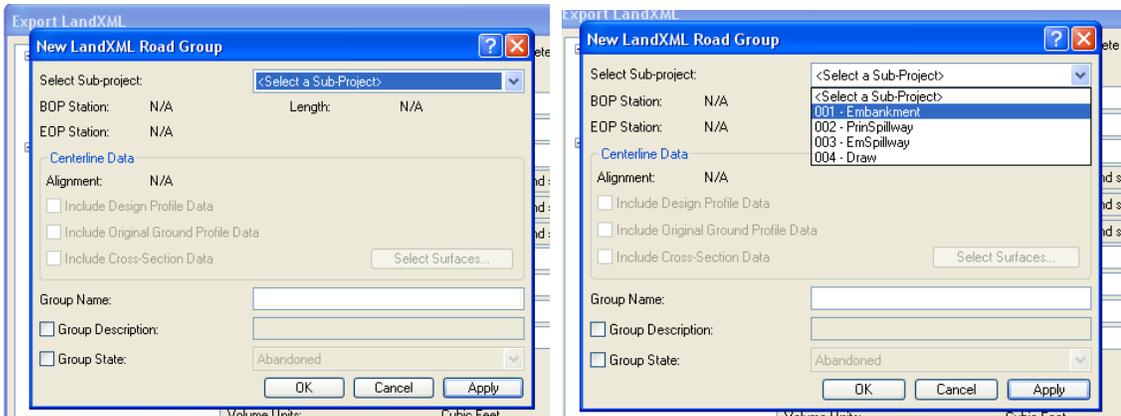


The New LandXML Alignment Group window, bottom left, will appear. A listing of all of the alignments that will be included in the XML file will be displayed in the top pane. Click on the *Select Alignments...* button to add alignments to the XML export file. This will open the Select Alignments window, bottom right, where you can select alignments from a list or by clicking on the icon on the top right hand side of the window and selecting them graphically from the drawing. You can also use the *Remove* button to delete alignments from the XML file. The group of alignments can also be given a name or description, and a state can be assigned to the group of alignments.

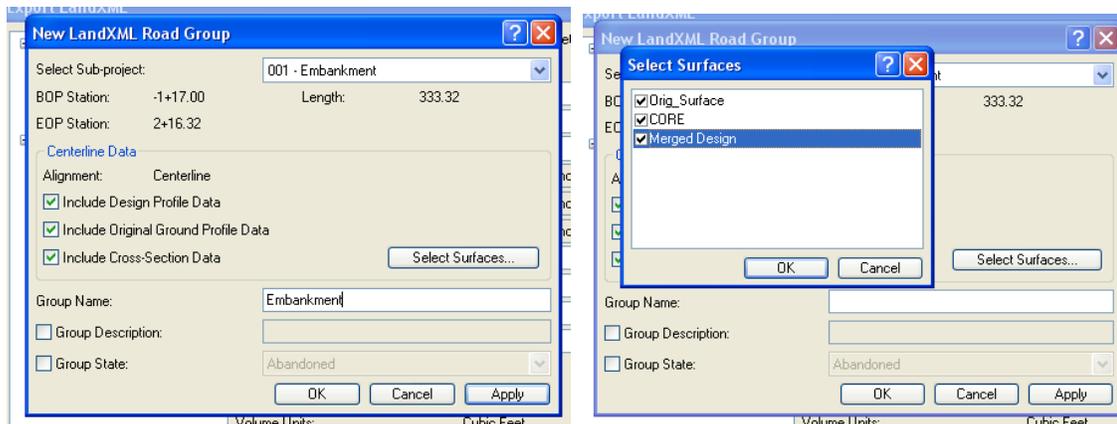


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6. A similar procedure is followed for adding data for Lots/Parcels, Nodes and Surface Models, however the options available to you when adding data for Roads is different. The bottom left window appears when you select *New Road Group...* from the *Edit* drop-down menu. Individual sub-projects within the Eagle Point project are added individually by selecting them from the *Select Sub-project* drop-down menu, as shown on the bottom right.

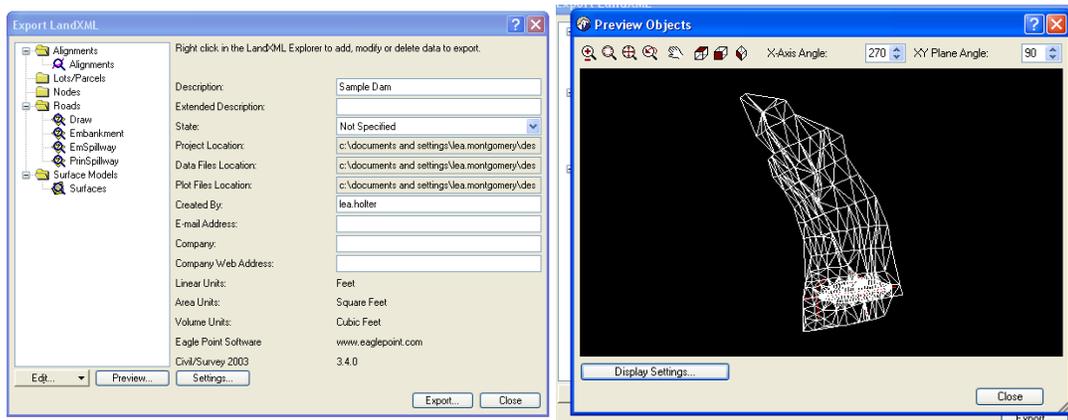


Design and original group profile data and cross section data along the alignment centerline can also be included by checking the boxes in the middle section of the New LandXML Road Group window. Clicking on the *Select Surfaces...* button allows you to select surface data to include in the export.



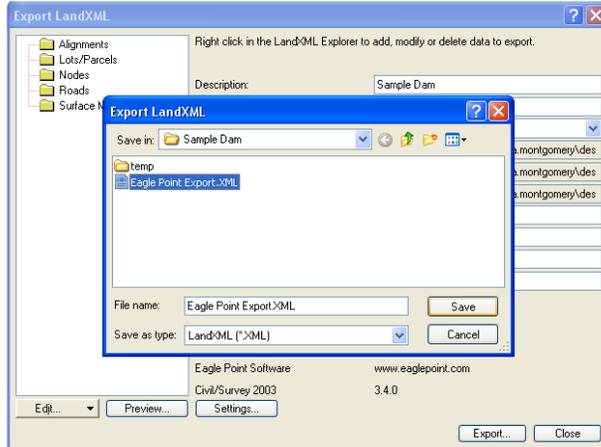
The process above must be repeated for each sub-project.

7. The data which has been added to the XML export file can be displayed by clicking on the *Preview...* button in the Export LandXML window.

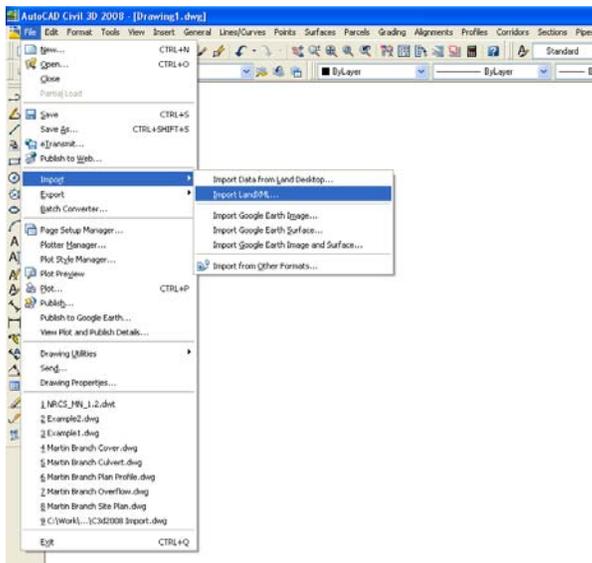


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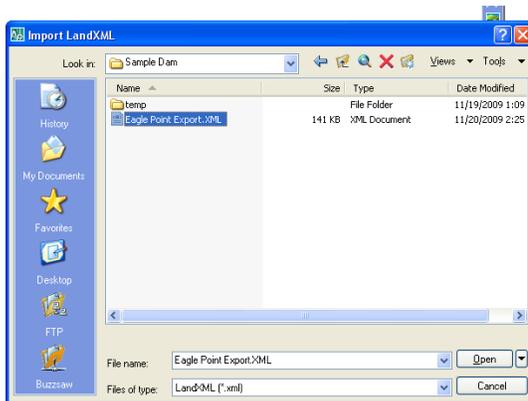
- Once you have selected all of the data that you want to include in the export file, click on the *Export...* button in the Export LandXML window to create the XML file. You will be prompted to specify a file name and location for the XML file.



- The data is now ready to be imported into Civil 3D. In the Civil 3D software, go to the *File* drop-down menu, select the *Import* pop-out menu, and choose *Import LandXML...*

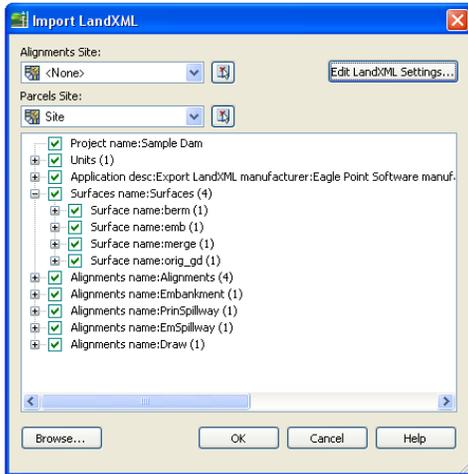


- Find the XML file that you exported from Eagle Point and click on *Open*



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11. The Import LandXML window will open which displays all of the data that has been included in the XML file that you are importing. You can expand the lists in the window and individually deselect data elements that you do not want to import. Additional settings can be controlled by clicking on the *Edit LandXML Settings...* button.



12. When you are ready to import the data from the XML file, click on the OK button in the Import LandXML window. The linework will be displayed into the Civil 3D drawing, and the design data will be listed in the Prospector tab in the Toolspace.

