

Steps for troubleshooting (All tools with default settings unless specified).

1. The data frame is set relative to WGS\_1984. All additional is also in WGS\_1984.
2. Add the network data through “Add Data”.
3. Build Dataset to ensure latest network dataset is used through **Network Analyst Tools -> Network Dataset -> Build Network**.
4. Add location-allocation layer through **Network Analyst Tools -> Analysis -> Make Location-Allocation Layer** with the following settings:

Input Analysis Network  
TofinoRdsClean\_ND

Output Layer Name  
Location-Allocation 2

Impedance Attribute  
Minutes

Travel From (optional)  
DEMAND\_TO\_FACILITY

Location-Allocation Problem Type (optional)  
MAXIMIZE\_CAPACITATED\_COVERAGE

Number of Facilities to Find (optional)  
8

Impedance Cutoff (optional)

Impedance Transformation (optional)  
LINEAR

Impedance Parameter (optional)  
1

Target Market Share (optional)  
10

Default Capacity (optional)  
1

Start Time (optional)

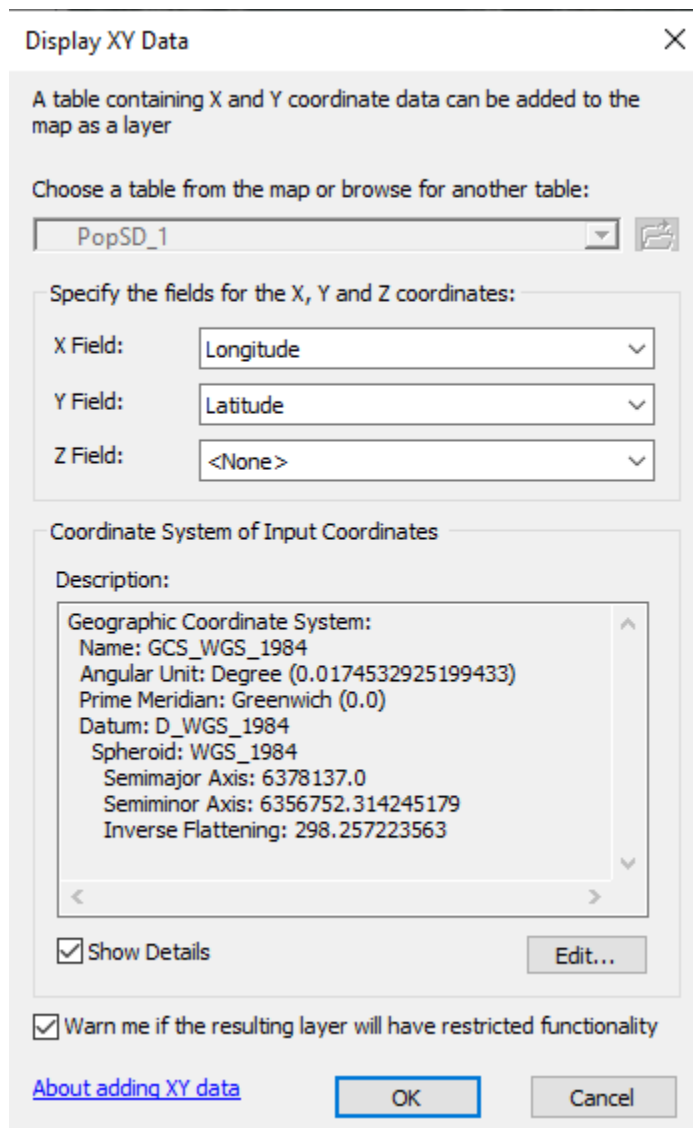
**Accumulators**

**Hierarchy**

**Output Options**

**Restrictions**

5. Add Table “PopSD\_1” through “Add Data”.
6. Right-click the imported table and clicking “Display XY Data” with the following settings:



The output is then the shapefile. This is the data frame at this step:



7. Add demand points through **Network Analyst Tools -> Analysis -> Add Locations** with default settings

Input Network Analysis Layer

Location-Allocation 2

Sub Layer

Demand Points

Input Locations

PopSD\_1 Events

Field Mappings

Property	Field	Default Value
Name		
Weight	Weight	1
GroupName		
ImpedanceTransformation		
ImpedanceParameter	ImpedanceParameter	
CurbApproach		Either side of vehicle
Cutoff_Minutes	Cutoff_Minutes	

Use Network Location Fields instead of Geometry

Search Tolerance

5000 Meters

Sort Field (optional)

Search Criteria (optional)

Name	Shape	Middle	End
TofinoRdsCleanND	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TofinoRdsClean_ND_Junctions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Find Closest among All Classes (optional)

Append to Existing Locations (optional)

Snap to Network (optional)

Snap Offset (optional)

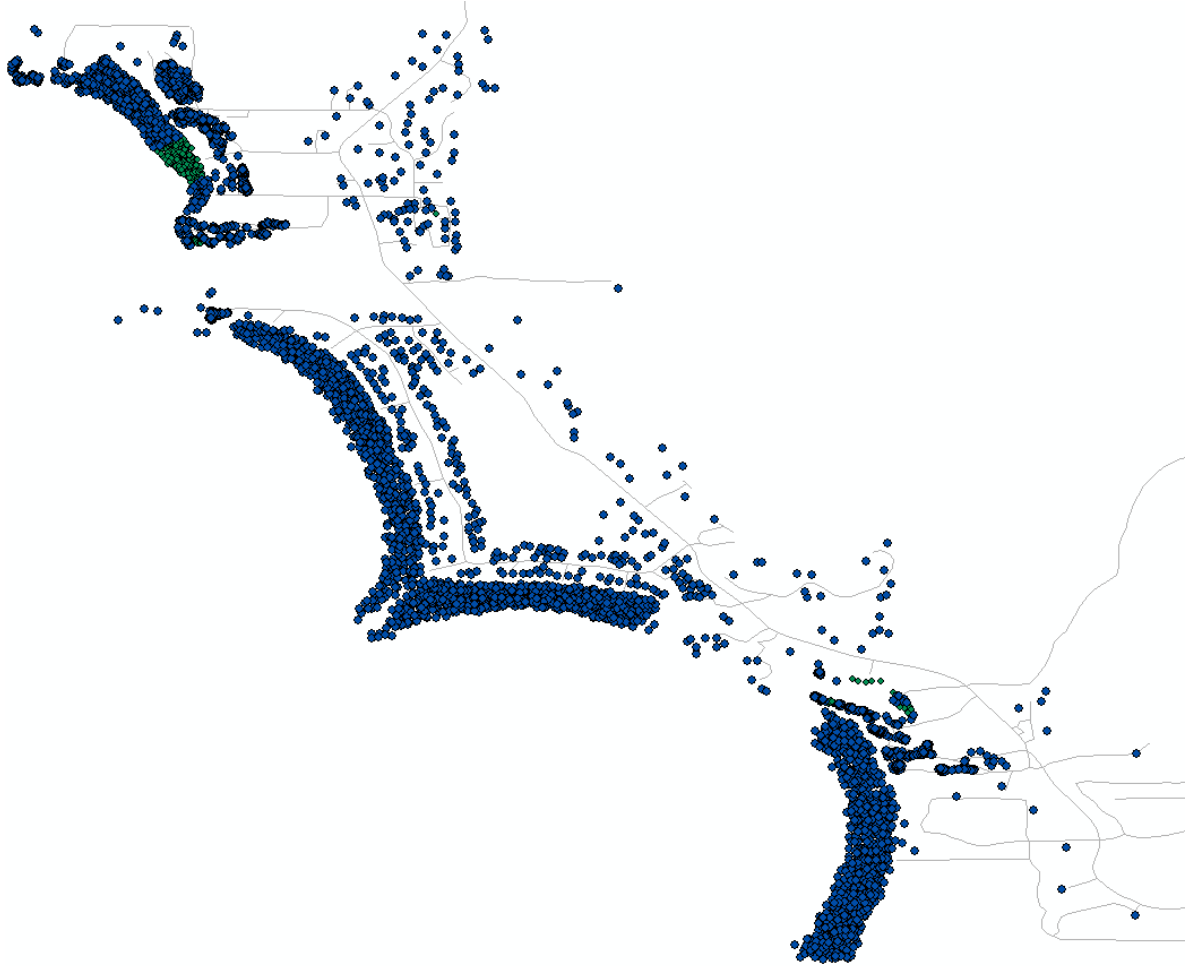
5 Meters

Exclude Restricted Portions of the Network (optional)

Search Query (optional)

Name	Query
TofinoRdsCleanND	
TofinoRdsClean_ND_Junctions	

The output at this step is where the problem occurs. You can see the original XY shapefile in green, and the **demand points in blue**. Notice how **you can still see the green points (shp file) even though the demand points are the top-most layer**.



Thus, some demand points are not being displayed. However, the peculiar thing is that the attribute table of the demand points show all of the same data as the shape file, but is not being displayed in the data frame. Thank you for the help!