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	-	1
Output Layer Name		
Location-Allocation 2		
Impedance Attribute		
Minutes		\sim
Travel From (optional)		
DEMAND_TO_FACILITY		\sim
Location-Allocation Problem Type (optional)		
MAXIMIZE_CAPACITATED_COVERAGE		\sim
Number of Facilities to Find (optional)		
		8
Impedance Cutoff (optional)		
Impedance Transformation (optional)	_	
Lundark		\sim
Impedance Parameter (optional)		1
Transk Marlink Share (astiss all		1
Target Market Share (optional)		10
Default Canacity (optional)		10
	_	1
L Start Time (ontional)		
	٦.	
	_	
Accumulators		
Hierarchy		
Output Options		
Resulturis		

- 5. Add Table "PopSD_1" through "Add Data".
- 6. Right-click the imported table and clicking "Display XY Data" with the following settings:

Display XY Data		×
A table containing map as a layer	g X and Y coordinate data can be added to the	
Choose a table fr	om the map or browse for another table:	4
Specify the field	ds for the X, Y and Z coordinates:	7
X Field:	Longitude \checkmark	
Y Field:	Latitude 🗸 🗸	
Z Field:	<none> ~</none>	
- Coordinate Sys Description: Geographic C Name: GCS_ Angular Unit Prime Meridi Datum: D_W Spheroid: \ Semimajor Semiminor Inverse F	tem of Input Coordinates oordinate System: WGS_1984 Degree (0.0174532925199433) an: Greenwich (0.0) /GS_1984 VGS_1984 r Axis: 6378137.0 Axis: 6356752.314245179 lattening: 298.257223563	
<	>	
Show Detai	ls Edit	
☑ Warn me if th	e resulting layer will have restricted functionality	
About adding XY	data OK Cancel	

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

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

Input Network Analysis Layer							
Location-Allocation 2						-	2
Sub Layer							
Demand Points							\sim
Input Locations							
PopSD_1 Events						-	2
Field Mappings							
Property	Field		Default Value				^
Name							
Weight	Weight		1				
GroupName							
ImpedanceTransformation							
ImpedanceParameter	Impedance	ceParameter					
CurbApproach	Either side of vehicle						
Cutoff Minutes	Cutoff M	Outoff Minutes					~
Use Network Location Fields	instead of Geometry						
Search Tolerance							
				5000	Meters		\sim
Sort Field (optional)							
							~
Search Criteria (optional)							
Name					Middle	End]
							1
TofinoRdsClean_ND_lunctions				•		H	
							+
Find Closest among All Class	s (optional)						
Append to Existing Locations	(optional)						
Snap to Network (optional)							
Snap Offset (optional)				5	Motora		~
Evolude Restricted Portions	of the Network (ontional)			5	Meters		~
Search Query (optional)							
Name	Queru						1
Name	Query						
TofinoRdsCleanND							sų
TOTINOR disclean_ND_Junctions							X
L							

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!