



Sleeper Study Proposal

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Hooper Detoxification Center

CHIERS

(Central City Concern Hooper Inebriate
Emergency Response Service)

This outreach van picks up inebriated
people off Portland's streets and delivers
them to safety in Hooper's Sobering
Program.

Idea!

Where are people sleeping in the downtown area?

How can we show this?

Proposal Goals

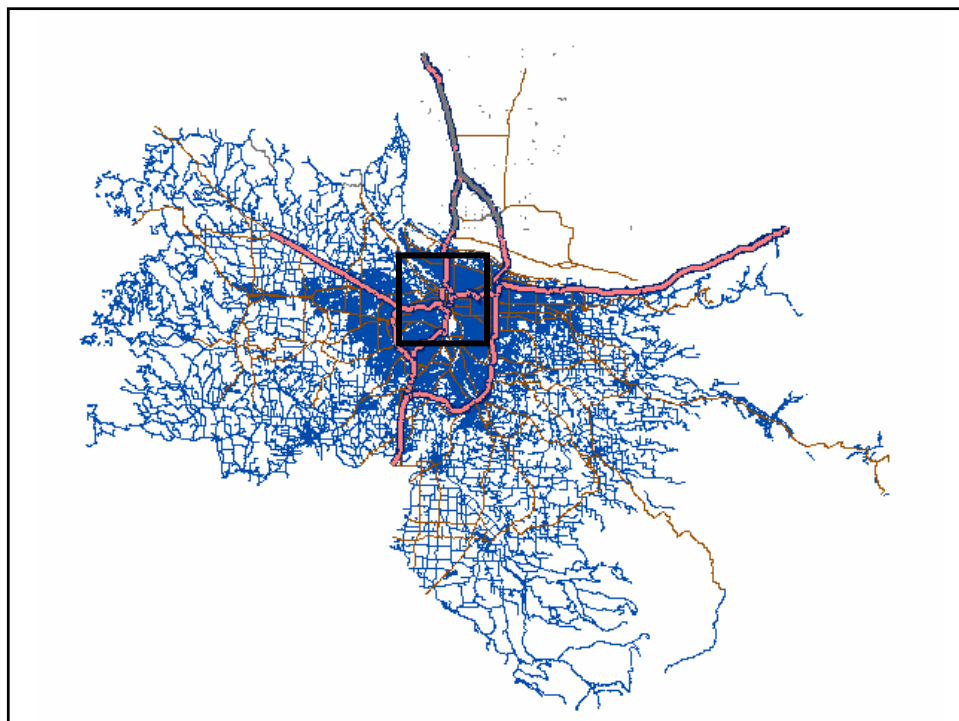
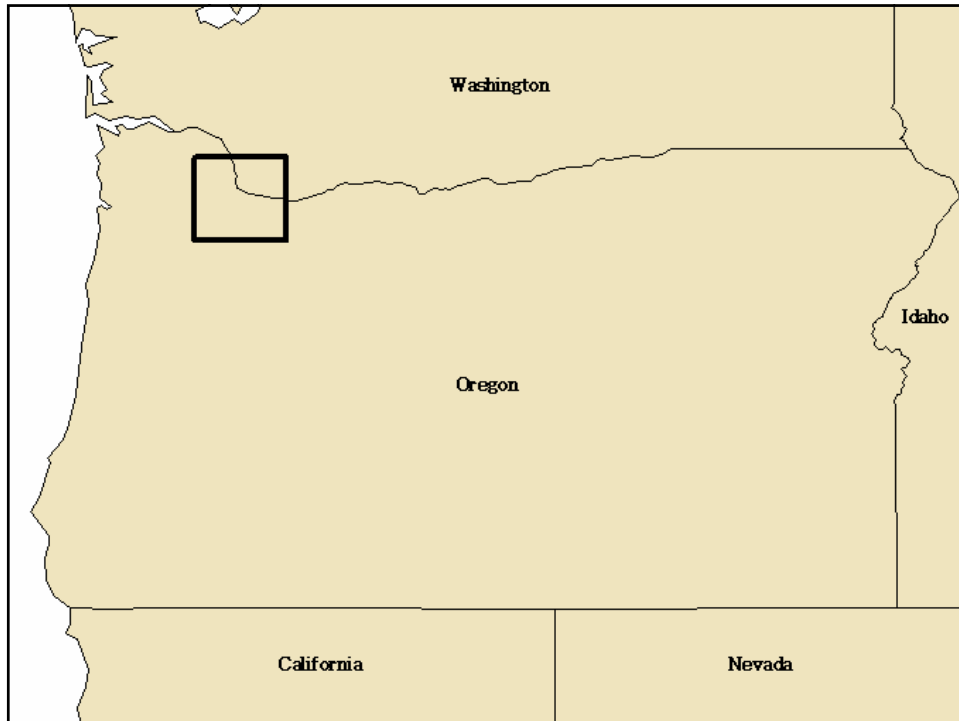
- Determine method for studying homeless population spatially, while protecting confidentiality
- Produce initial map to help show importance of systematic data collection

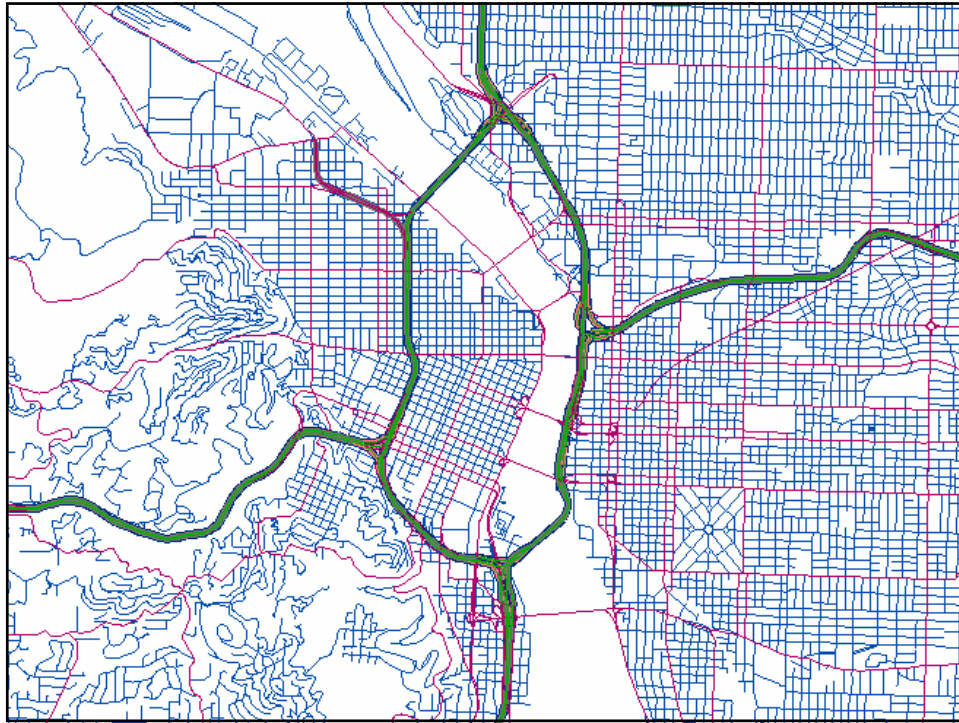
- Data collected by CHIERS staff while on shift, when possible while doing other tasks

So...

Steps

- Locate study area





Steps

- Locate study area
- Decipher data from access file

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 - Concatenation: joining the information in two or more columns into one.
 - Address enhancement...

Steps

- Locate study area
- Decipher data from access file
- Geocode addresses

Address Locator Properties

Name: link Oregon

Description: StreetMap USA

Reference data:

☐ Store relative path names

Fields

No editable reference data properties.

Input Address Fields

The field containing: Street is recognized if it is named: Address

Matching Options

Place Name Alias Table... <None>

Spelling sensitivity: 80

Minimum candidate score: 10

Minimum match score: 60

Intersections

Connectors: & | @ Separate connectors by a space, e.g. "& @ , /"

Output Options

Side offset: 0 in Reference data units

End offset: 3 %

☒ Match if candidates tie

Output Fields

☐ X and Y coordinates ☐ Standardized address

☐ Reference data ID ☐ Percent along

ADDRESS LOCATOR VIEW

Y	Ref_ID	ARC_Street	ARC_Zone
685587.906613151	18422	1ST & GLISAN	PORTLAND, OR
685607.53259717	18387	4TH & GLISAN	PORTLAND, OR
0	-1		
684309.884979961	19935	3RD & BURNSIDE	Portland, OR 546
0	-1		PORTLAND, OR 111
685607.53259717	18387	4TH & GLISAN	Portland, OR 2
0	-1		PORTLAND, OR 540
0	-1	GLISAN & HOYT	PORTLAND, OR
0	-1	3RD & BURNSIDE	PORTLAND, OR 1112
0	-1		Portland, OR 05
0	-1		Portland, OR 65
0	-1		Portland, OR 220
0	-1		Portland, OR 228
0	-1	Naito & Everett	Portland, OR
0	-1	Naito & Everett	Portland, OR

ord: 14 73 Show: All Selected Records (of 136)

or Intersection: 3RD & BURNSIDE Zone: PORTLAND, OR

ardized address:

fly... 113RD ||| BURNSIDE ||| PORTLAND, OR

andidates

Side	Ref_ID	PreDir1	PreType1	StreetName1	Type1	SufDir1	PreDir2	PreType2	StreetName2	Type2	SufDir2
	19935	NW	3RD	AVE	W				BURNSIDE	ST	
	19935	SW	3RD	AVE	W				BURNSIDE	ST	
	20108	NE	3RD	AVE	E				BURNSIDE	ST	
	20108	SE	3RD	AVE	E				BURNSIDE	ST	
	82419	SE	3RD	ST	SE				BURNSIDE	RD	

oding Options... Zoom to: Candidates Original Extent

Steps

- Locate study area
- Decipher data from access file
- Geocode addresses
- Create base layer

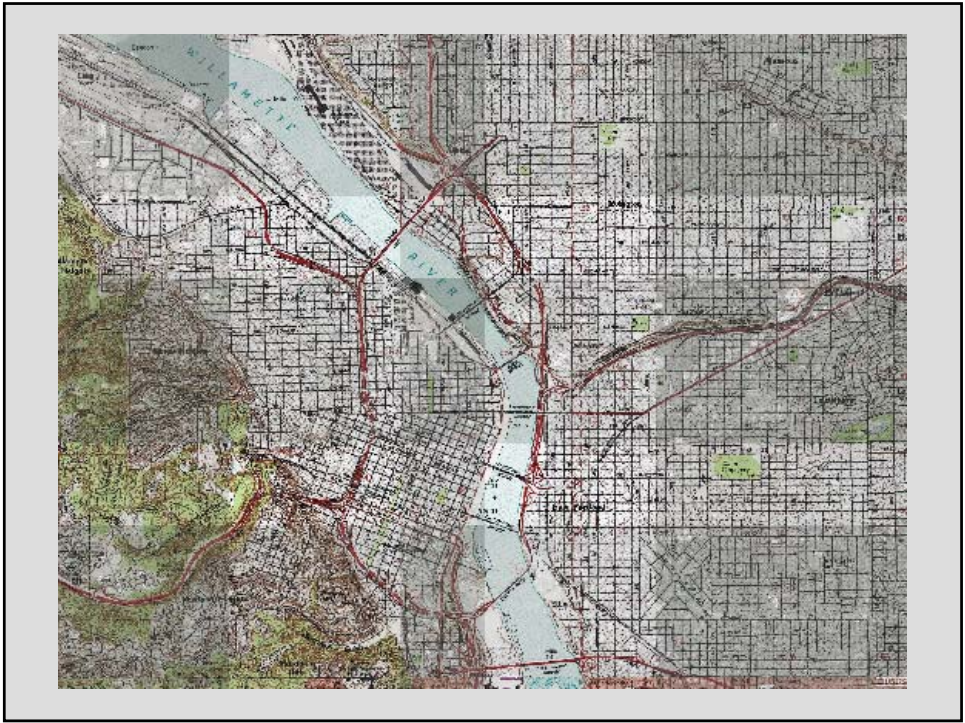
Two layers for base map

- Aerial photo of urban area
- Topo Map with place names



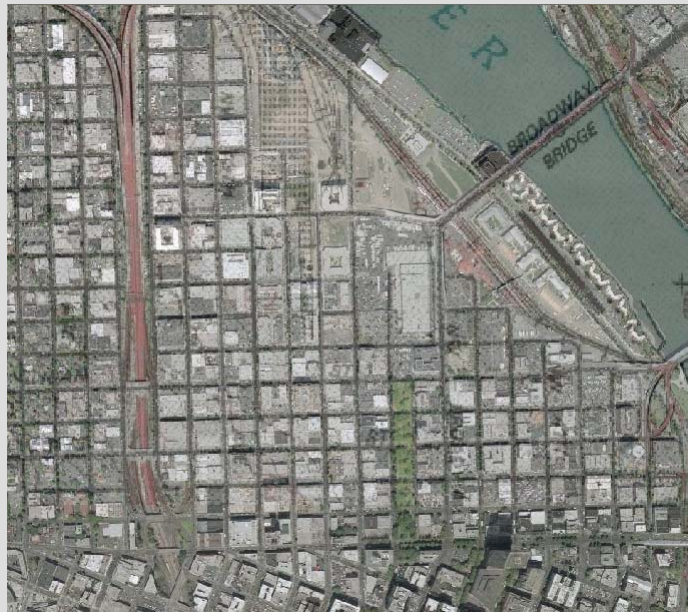
Raster overlay

Transparency isn't uniform with
overlapping layers:



CorelDraw

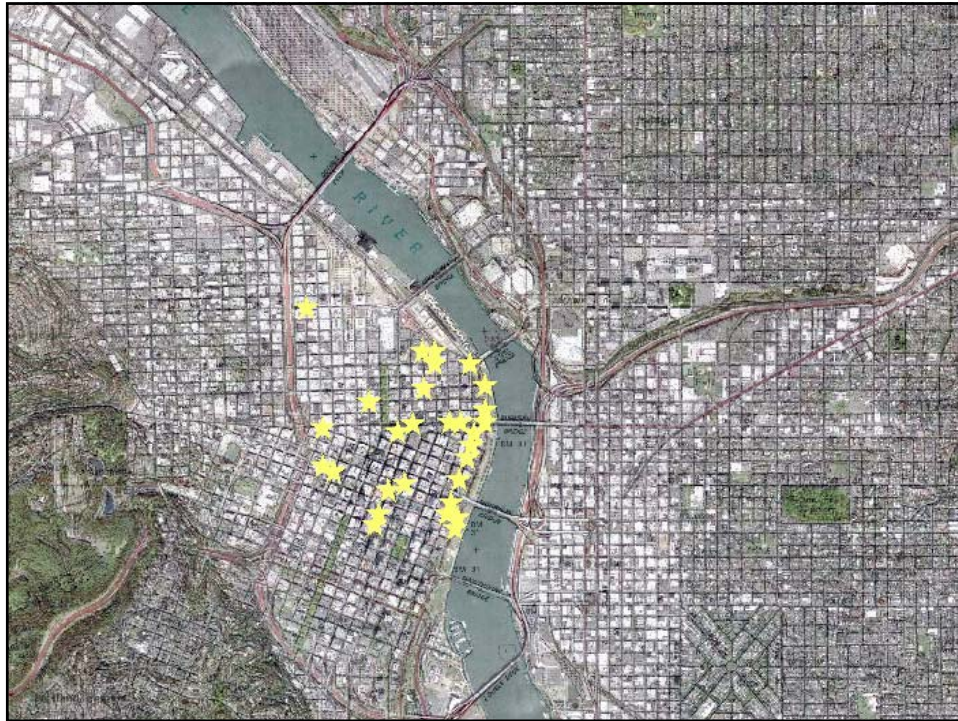
Image enhancement:





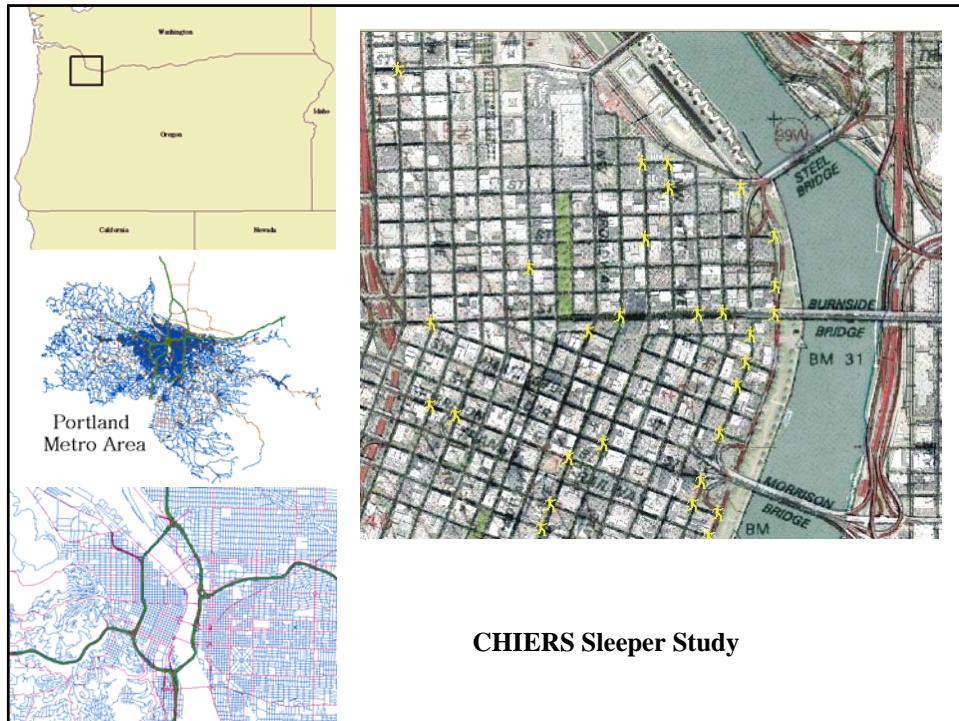
Steps

- Locate study area
- Decipher data from access file
- Geocode addresses
- Create base layer
- Add points



Steps

- Locate study area
- Decipher data from access file
- Geocode addresses
- Create base layer
- Add points
- Determine goals for new study



Plans for future of proposal

- Tracking Analyst Extension
- Smaller study area to allow for systematic data collection
- Funding options
- Frequency and Buffer Analysis

Resources and Software

- ArcGIS
- Microsoft Access
- CorelDraw
- <http://terraserver.microsoft.com>
- RLIS
- ESRI World Data