

Jogging Routes for Hotel Guests
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Objective

- To create map of jogging route that are safe and convenient, targeted at guests in area hotels.
- Marketing strategy & service provided by hotels







- Use existing data to find suitable jogging routes along the road and trail network in Portland near select hotels.
- Use LiDAR groundcover layer to calculate route average slope.

Data Sources

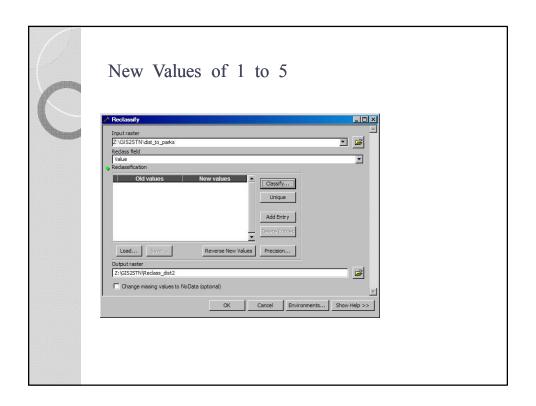
- RLIS Data
 - Portland Parks
 - Portland Streets
 - Bodies of Water
 - Major Highways
 - Bike Routes
 - Portland Trails
 - Select Hotels Geo-referenced
 - 2 ft. Aerial Photos
 - LiDAR Slope Layer for Portland

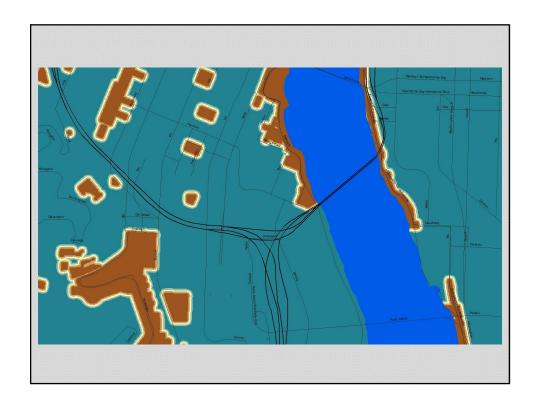


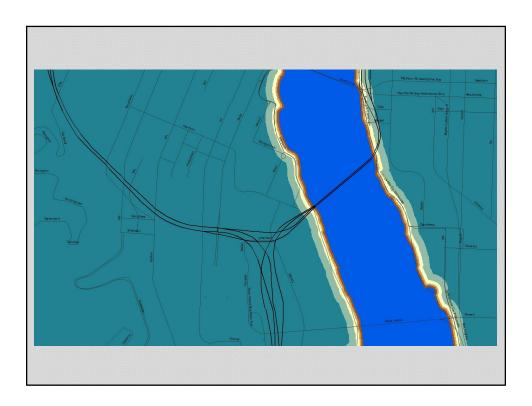
Euclidean Distance

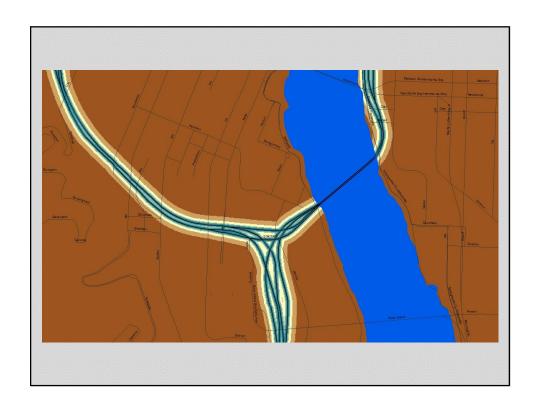
Classified into 5 Values

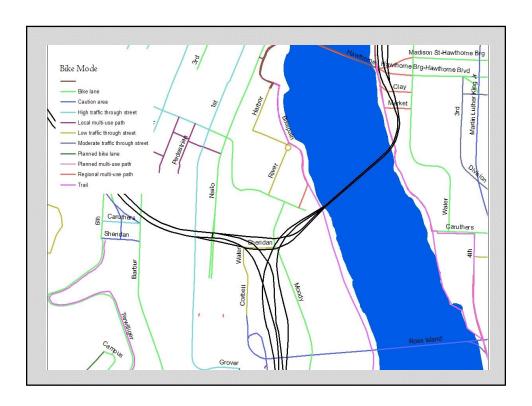
- Parks
- Rivers
- Highways

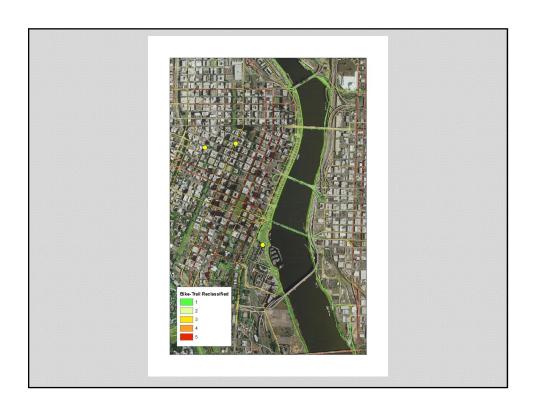


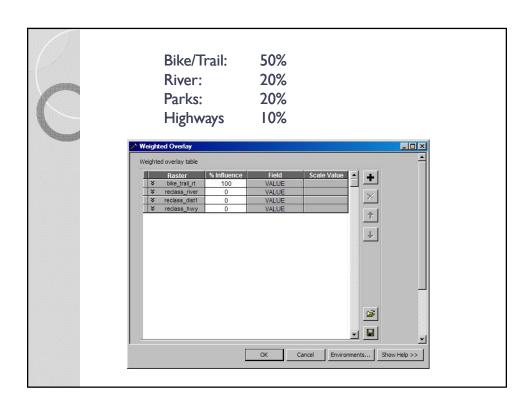


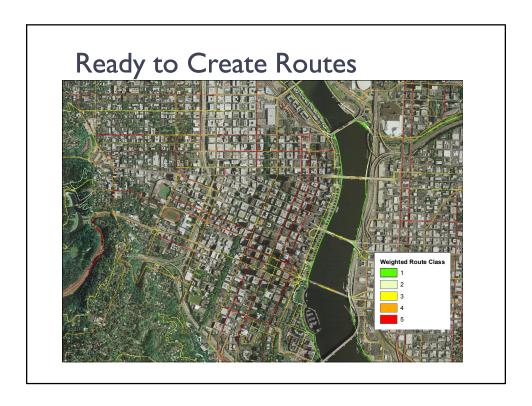


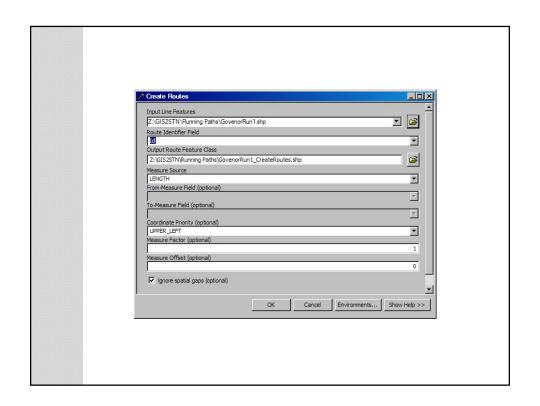


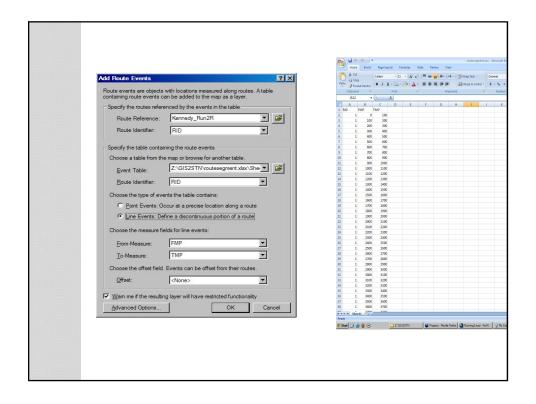


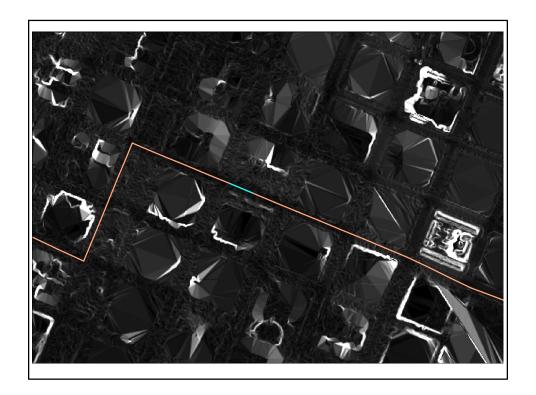


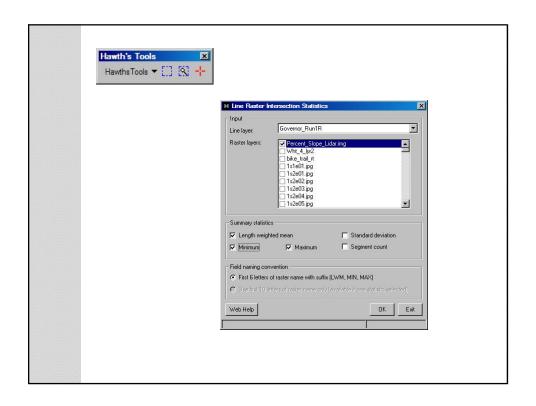


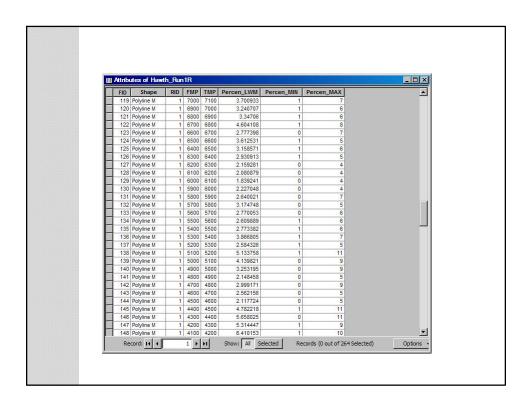








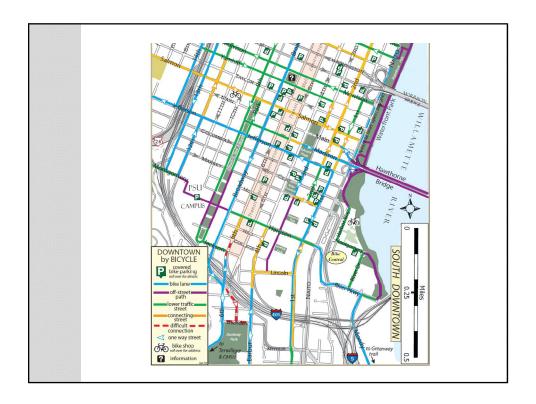






- LiDAR Groundcover Layer was Missing Bridges and Overpasses.
- Bike Route Layer Not Inclusive of All Roadways.
- Sidewalk Layer Would Have Been a Useful Addition to Our Data.







Results

- We Mapped Eight Jogging Routes in Total
- Four Local Hotels Were Assigned Two Routes Each.
- Routes Ranged from Five to Ten Miles
- Each Route Given a Difficulty Rating Based on Average Slope and Distance.

