



GIS Program Leaders  
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# The Oregon Connectivity Assessment and Mapping Project

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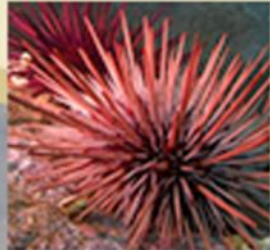


# Oregon Connectivity Assessment and Mapping Project





*the* OREGON  
CONSERVATION  
STRATEGY



# **HB 2834**

**-2019 legislative session**

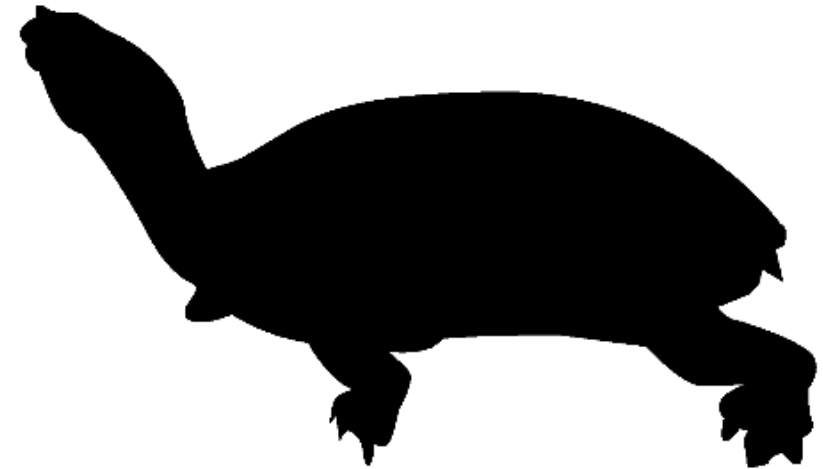
**-ODFW must produce Wildlife Corridor Action Plan**

**-ODOT must establish program to reduce WVCs**



## Process (2019 to 2023)

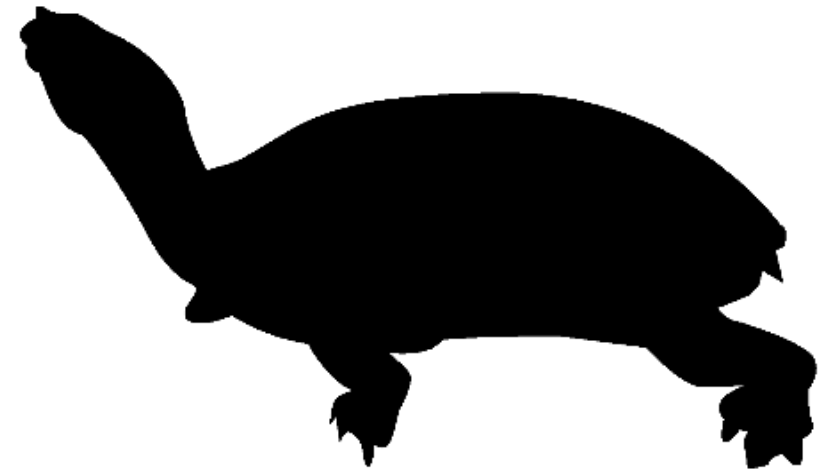
- Outreach and Engagement
- Species selection
- Permeability model building
- Permeability review and validation
- Connectivity modeling
- Refinement
- Combining maps
- Prioritization
- Product release





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# Habitat Permeability Models





Uses wetland habitat → USFWS NWI →

Avoids bare ground → NLCD →

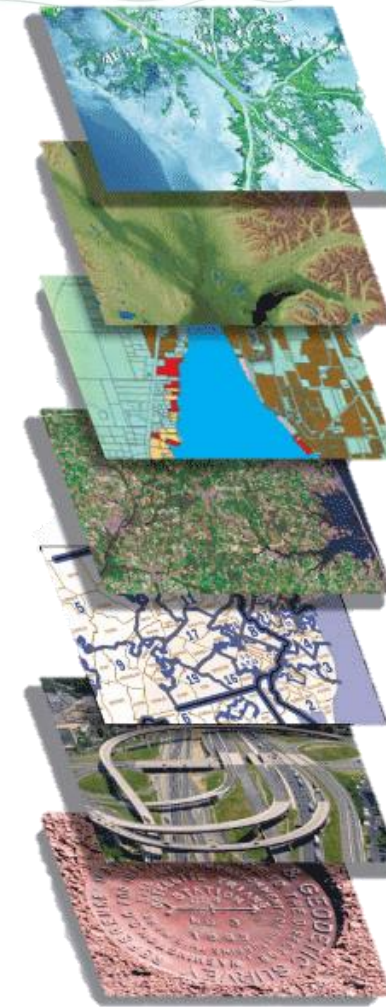
Uses riparian vegetation → OR statewide habitat map →

Requires shrub cover → GNN →

Avoids developed areas → OSM building footprint →

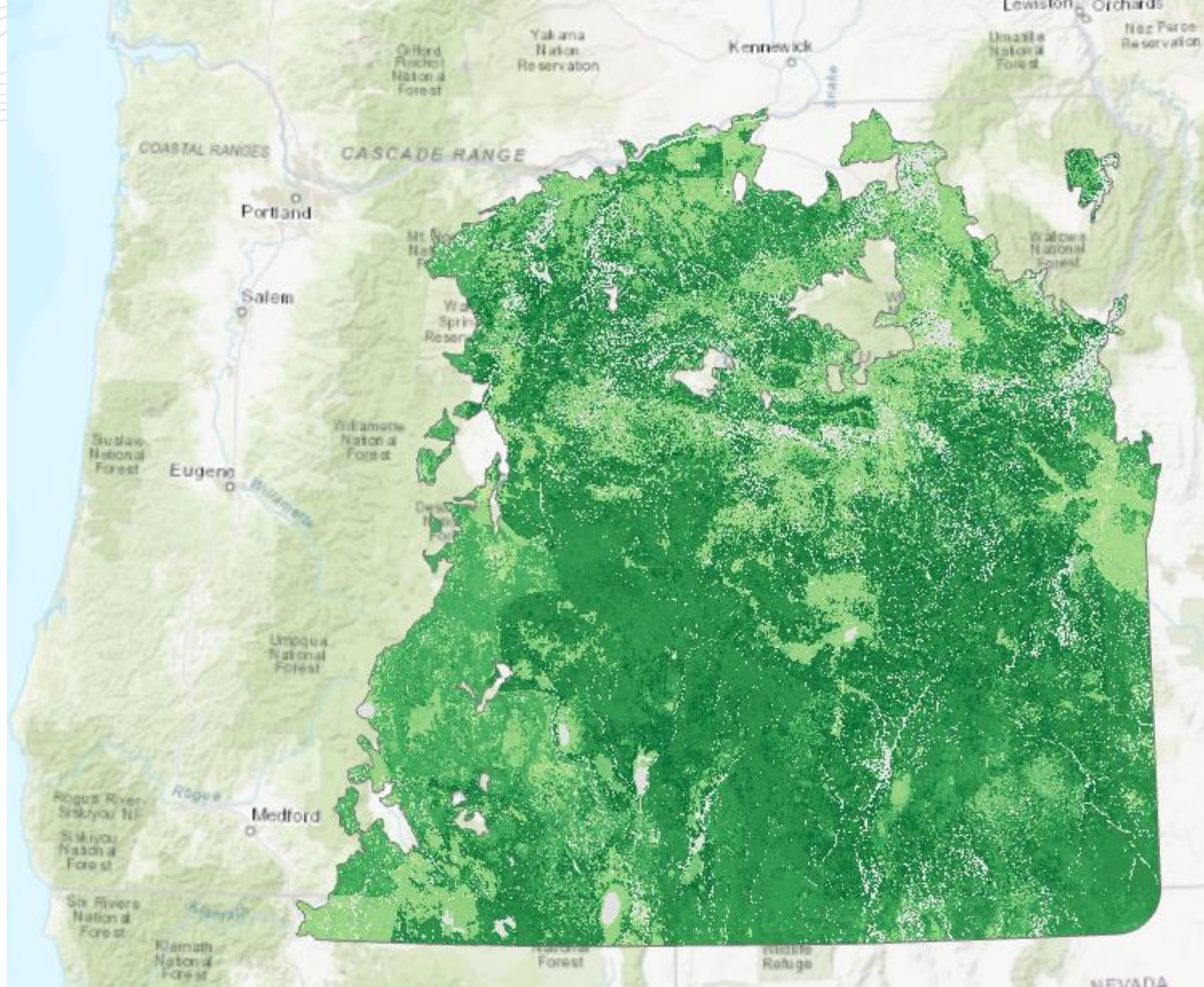
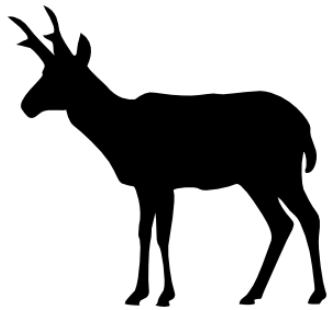
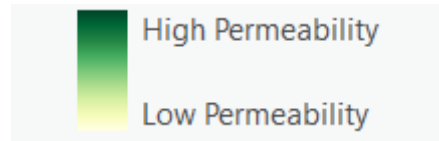
Can't cross high-traffic roadways → ODOT highways →

Not found at high elevation → USGS 3DEP →



**HPM**

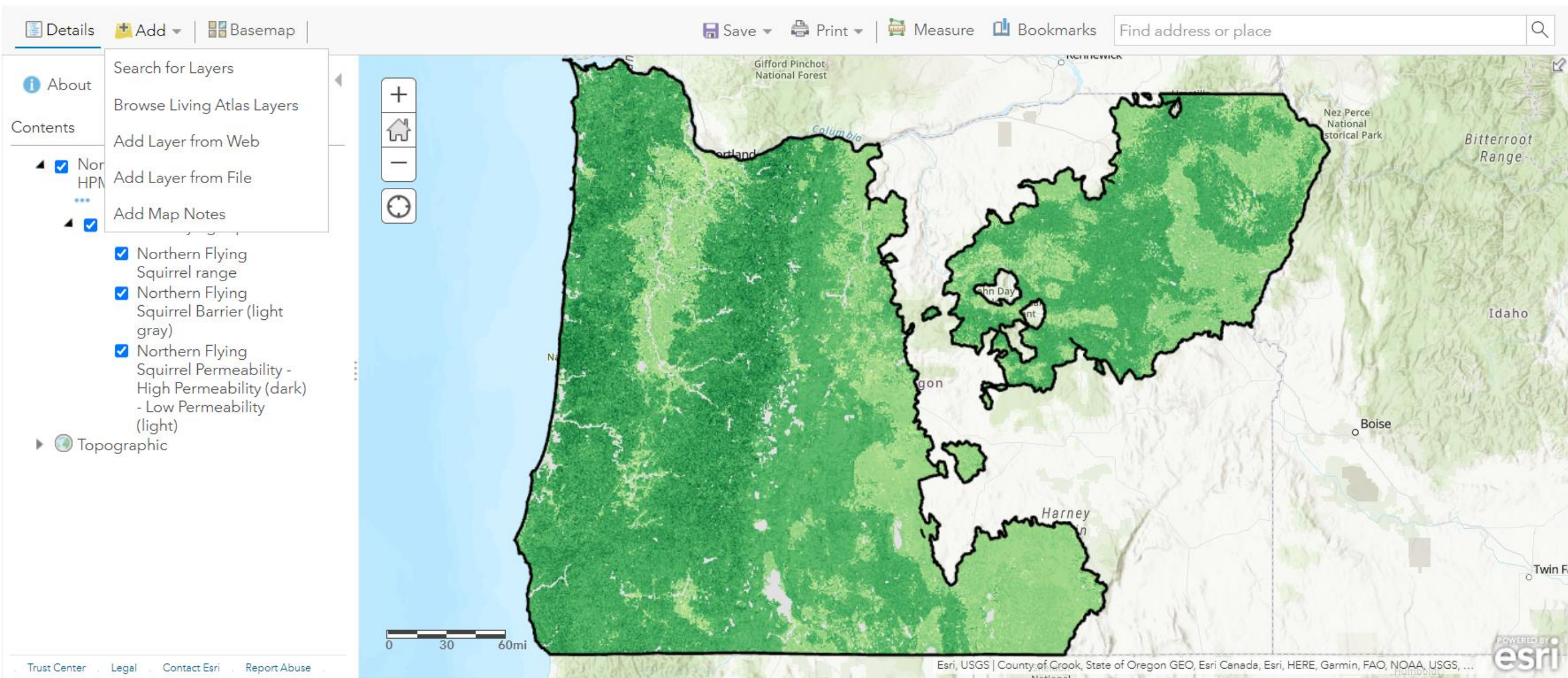






# Model Review







 Details  Add ▾ |  Edit  Basemap Save ▾  Print ▾ |  Measure  BookmarksFind address or place 

## Add Features

## Map Notes - Points



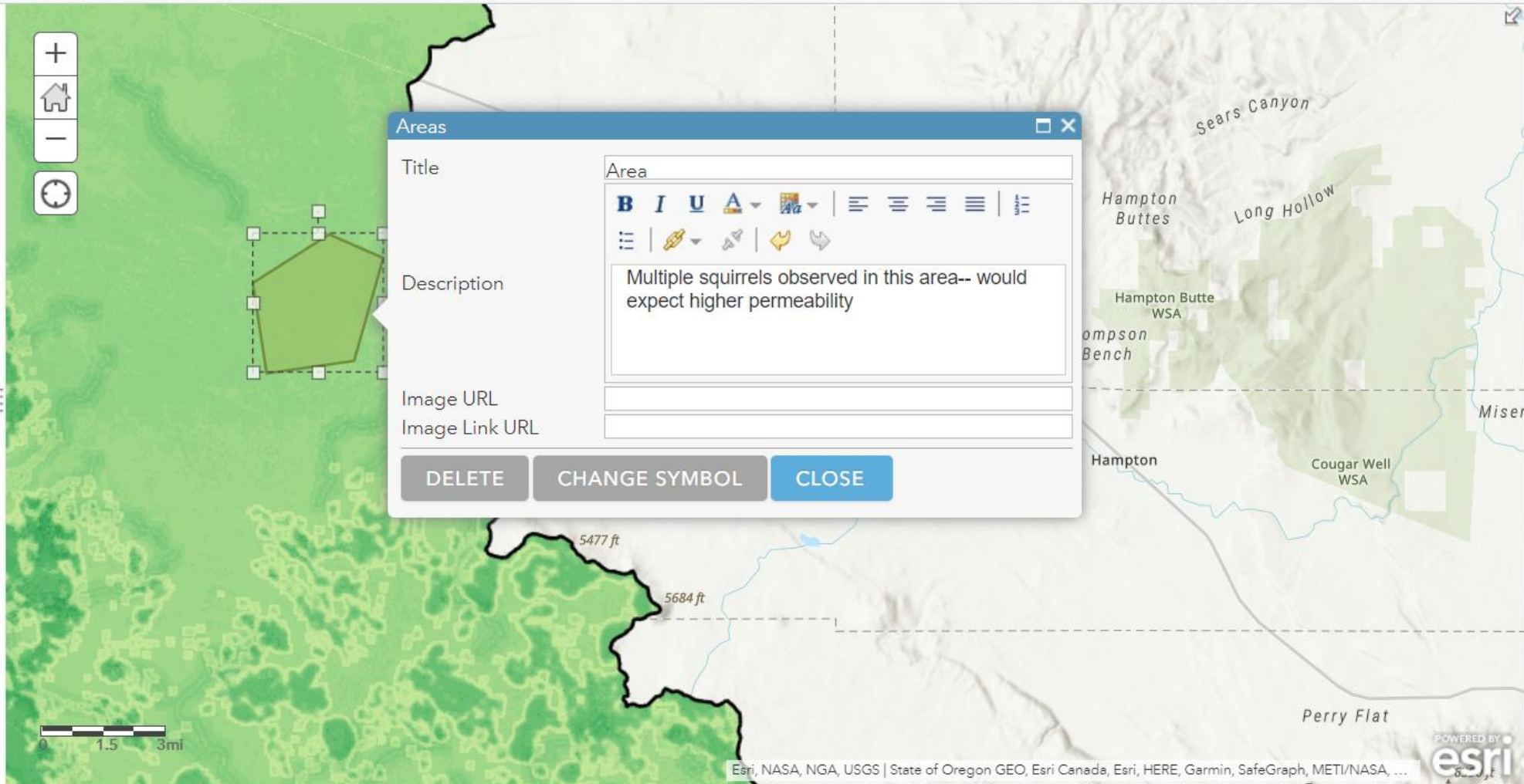
## Map Notes - Text

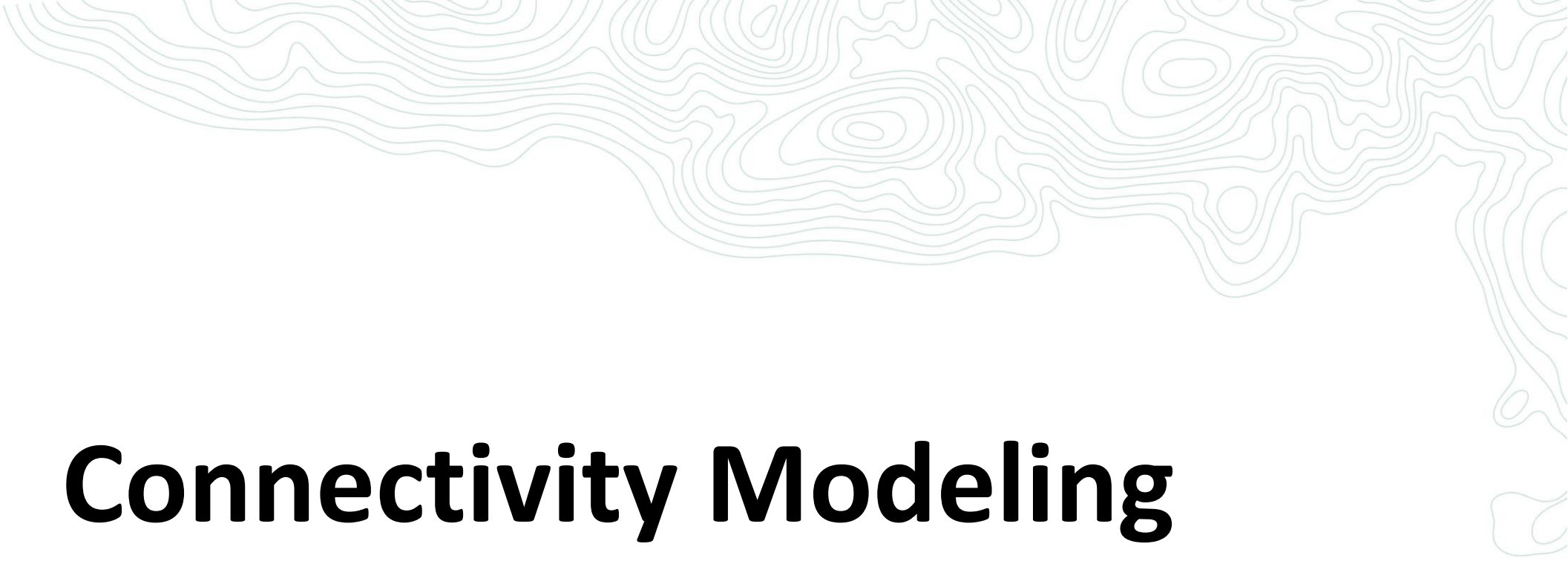
Text

## Map Notes - Lines

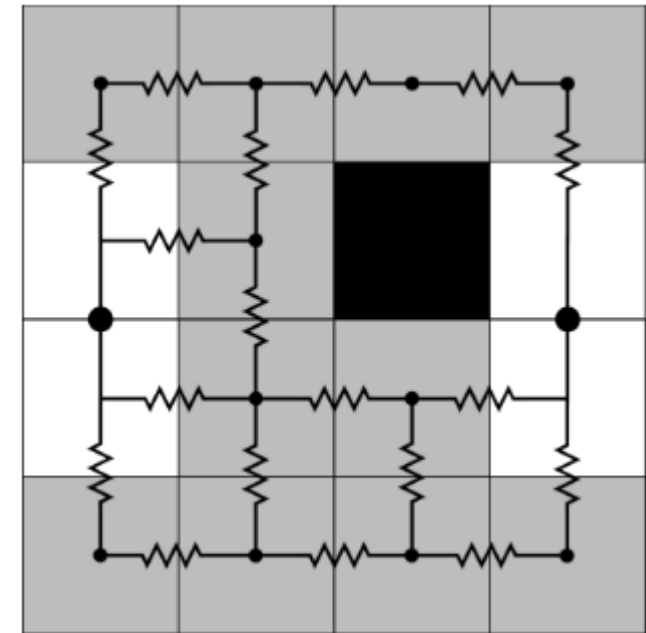
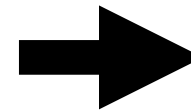
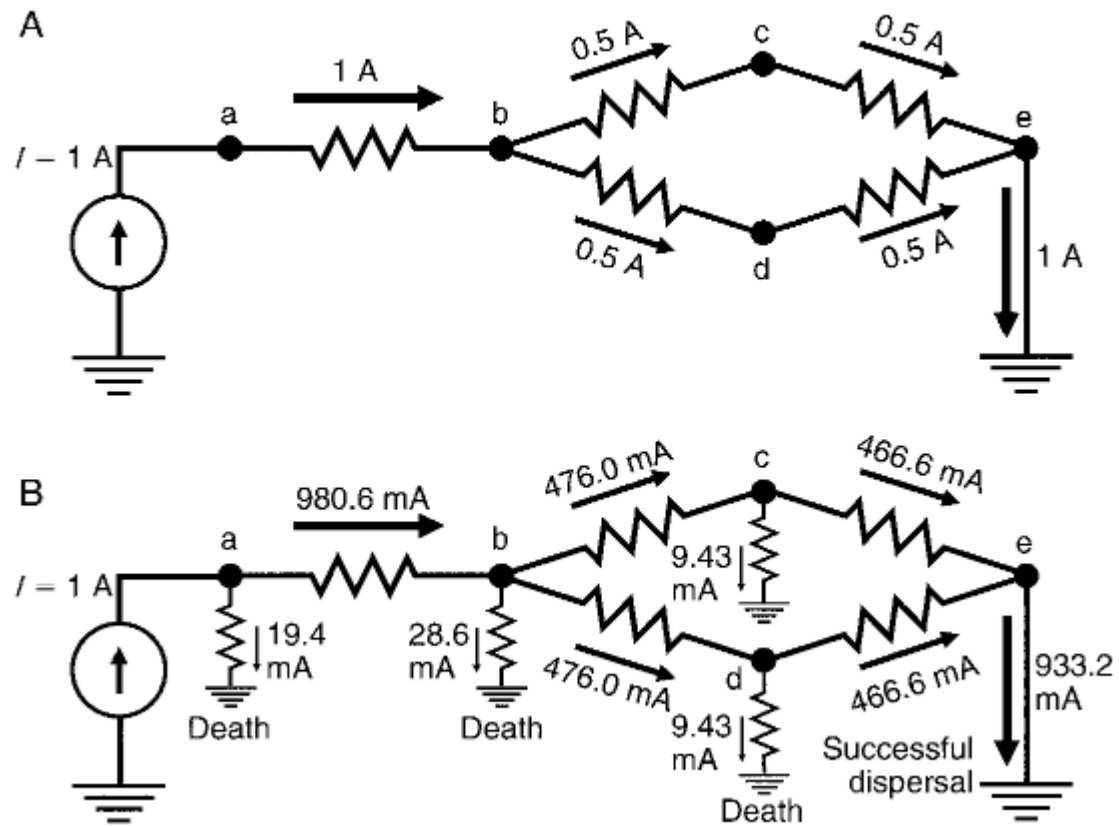


## Map Notes - Areas

 UNDO  REDO[Trust Center](#) [Legal](#) [Contact Esri](#) [Report Abuse](#)



# Connectivity Modeling



From McRae et al. 2008



# Utility





## Products will support:

- Long-term planning for managed lands
- Inform land use development
- Transportation mitigation
- On-the-ground acquisition, restoration, and conservation



- Products will be publicly available, hosted online
- Custom reporting tools?
- Wildlife Corridor Action Plan mandated by HB 2834 “shall provide guidance for all state agencies to develop benchmarks for the designation and protection of wildlife corridors in Oregon”



# Timeline:

- February 2022: completion of HPM, species expert review
- Spring/Summer 2022: evaluation of Practitioner needs
- July 2022: completion of formal validation process
- September 2022: completion of connectivity models
- Winter 2022/2023: prioritization complete
- Summer 2023: products released to public
- Fall 2023: Finalization of Wildlife Corridor Action Plan



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