Eco-Logical

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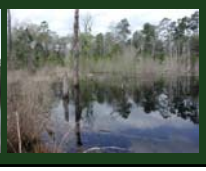
Community and Environmental Planning
06-03-10

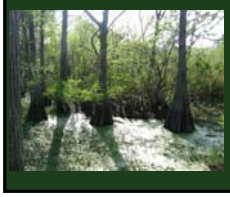
Need for Eco-Logical

- 8-county population of 9+ million by 2040
- Lack of ecosystem approach to long-range transportation planning



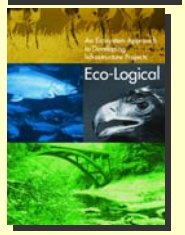
Purpose of Eco-Logical

- Create a regional decision support system (RDSS) to integrate long-range transportation and environmental planning
- Conserve high value environmental resources



FHWA Eco-Logical

- Conceptual groundwork for integration
- Goals
  - Conservation
  - Connectivity
  - Predictability
  - Transparency



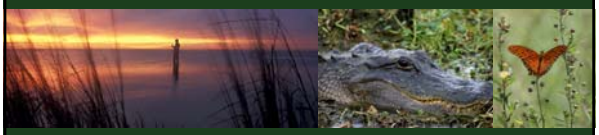
Partners

How RDSS Will Be Used

- H-GAC - RTP
  - Transportation Policy Council
  - Technical Advisory Committee
- TxDOT
- Local governments
- Conservation organizations

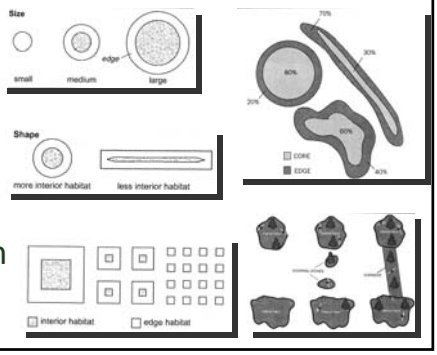
Ecotypes

- Tidal Wetlands
- Bottomland Forests
- Upland Forests
- Coastal Prairies
- Water Bodies
- Local Icons

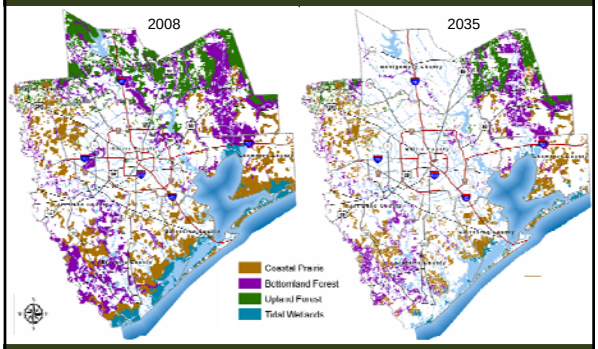


Metrics

- Size
- Shape
- Quality
- Isolation

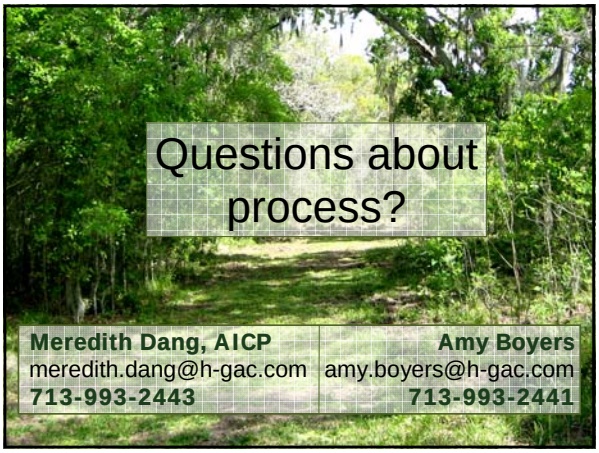


Undeveloped Environmental Resources



Projected Changes in Ecotypes by 2035

Ecotype	2008 Acres	2035 Acres	% Change
Coastal Prairie	613,298	399,286	**35**
Bottomland Forest	855,530	465,994	**46**
Upland Forest	492,468	222,065	**55**
Tidal Wetlands	153,054	40,179	**74**



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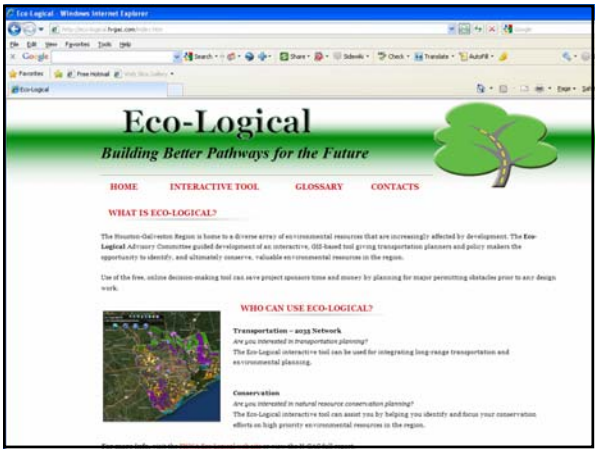
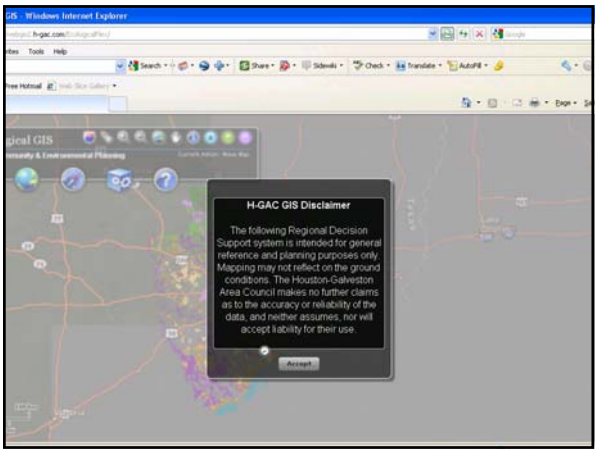
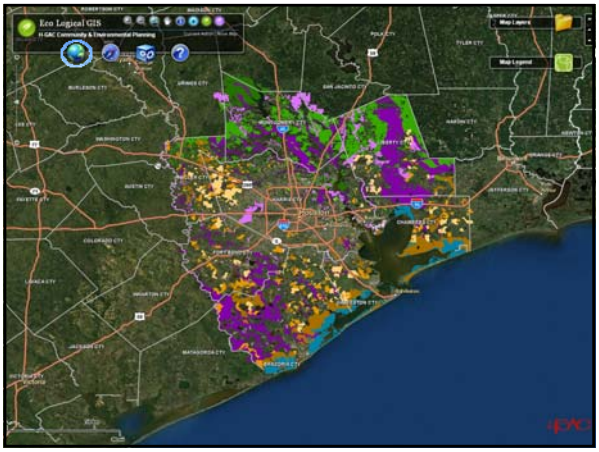


Eco-Logical
Building Better Pathways for the Future
HOME
INTERACTIVE TOOL
GLOSSARY
CONTACTS
INTERACTIVE TOOL


H-GAC GIS Disclaimer
The following Regional Decision Support system is intended for general reference and planning purposes only. Mapping may not reflect on the ground conditions. The Houston-Galveston Area Council makes no further claims as to the accuracy or reliability of the data, and neither assumes, nor will accept liability for their use.
Accept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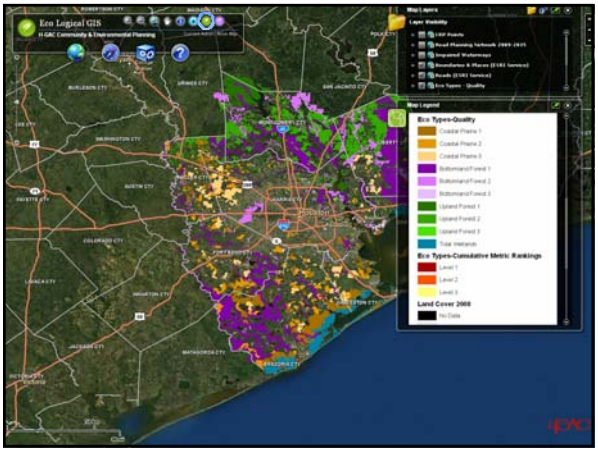
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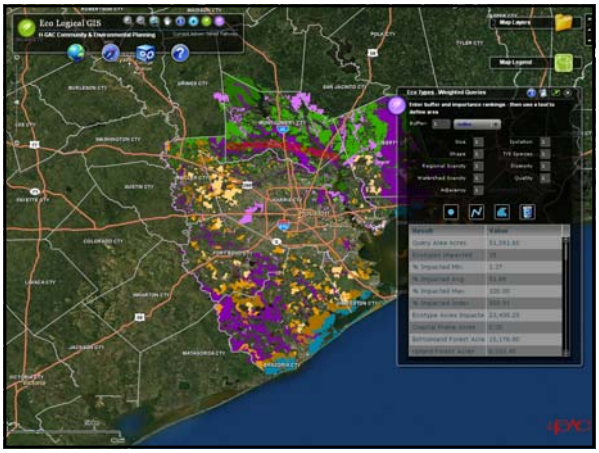
Eco Types-Quality
Eco Types-Cumulative Metric Rankings
Land Cover 2008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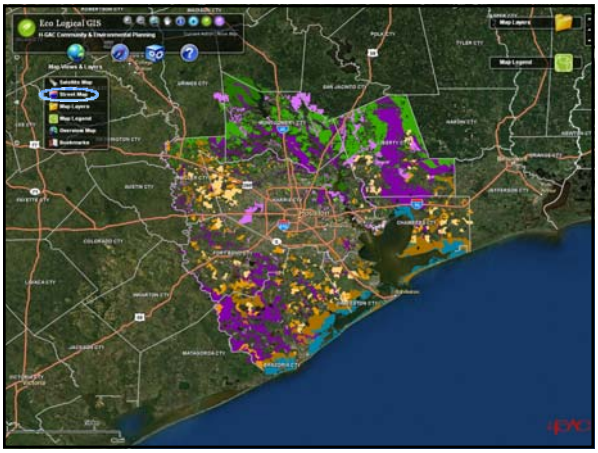
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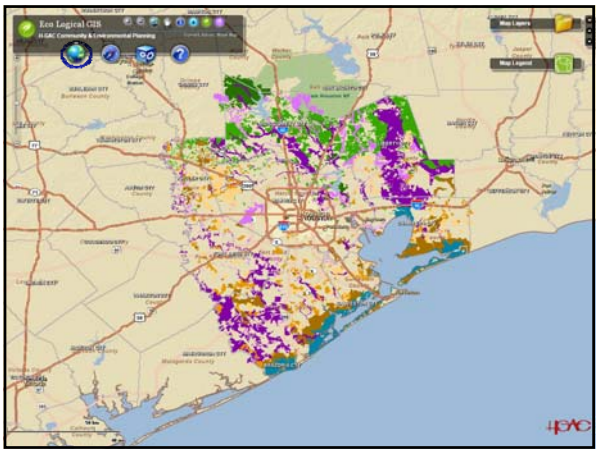
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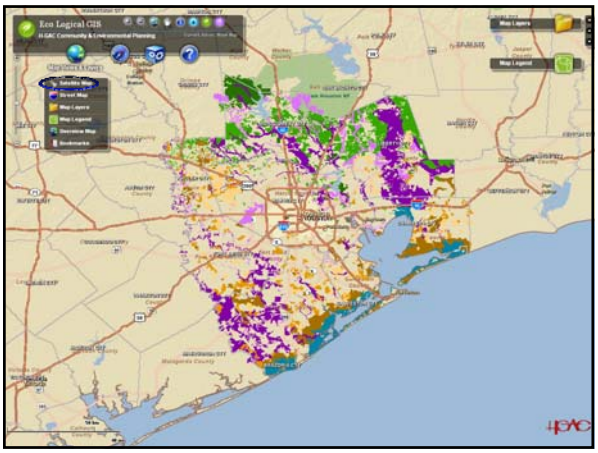
Map Layers
Map Legend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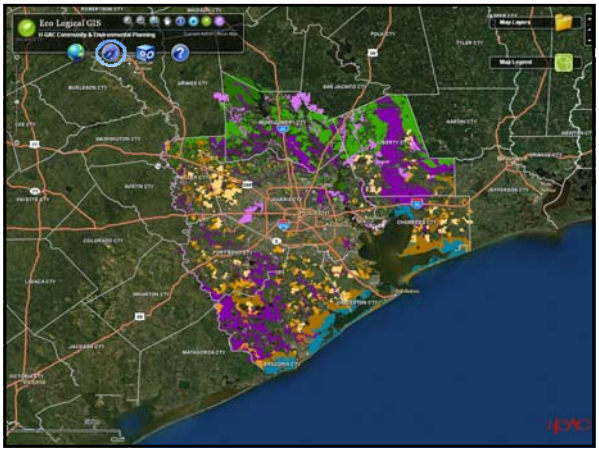
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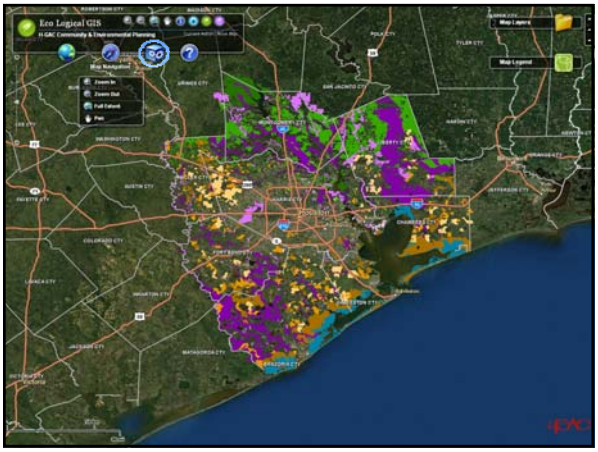
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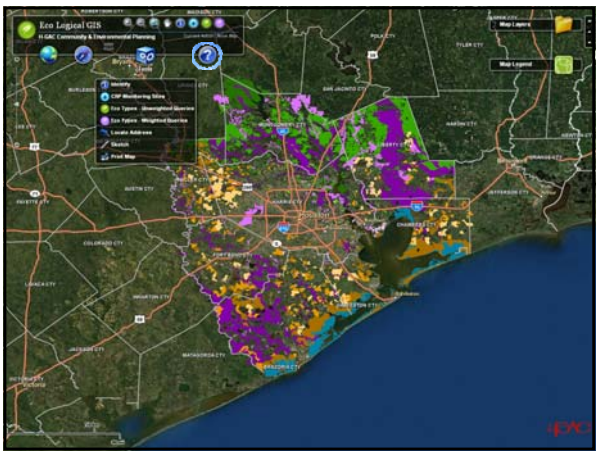
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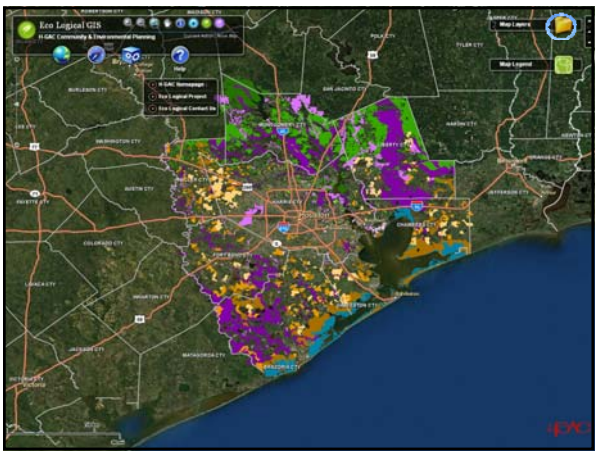
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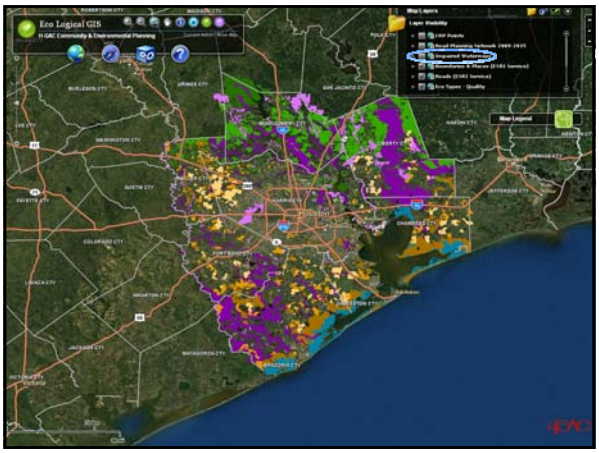
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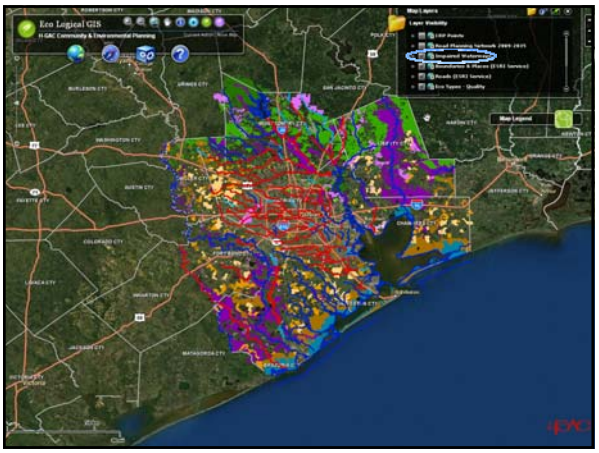
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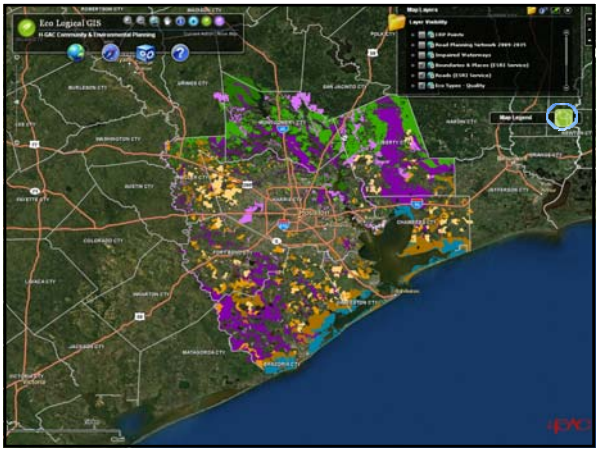
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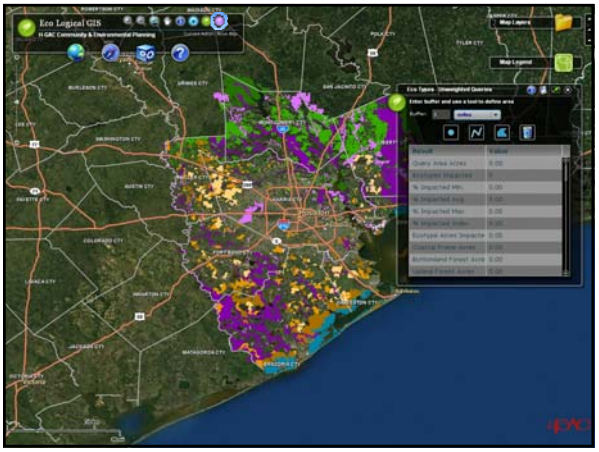
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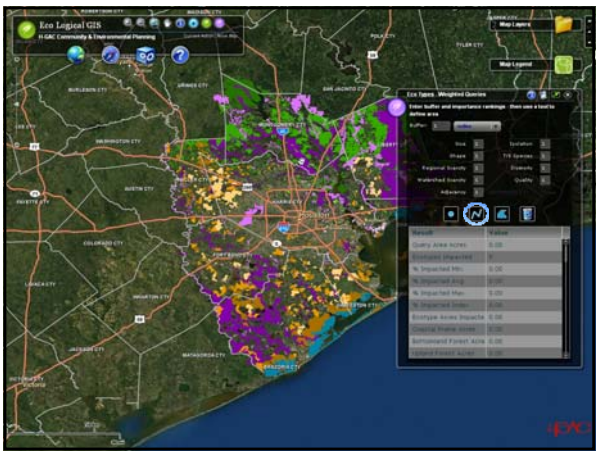
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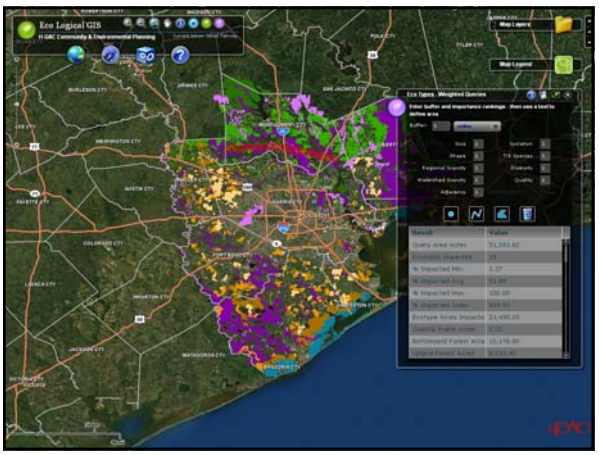
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Thank you

Questions?

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