Lake Worth Greenprint

Using GIS to Green our Cities

Robert Kent

The Trust for Public Land // North Texas Area Director

*The **Trust for Public Land**—Conserving land for people*

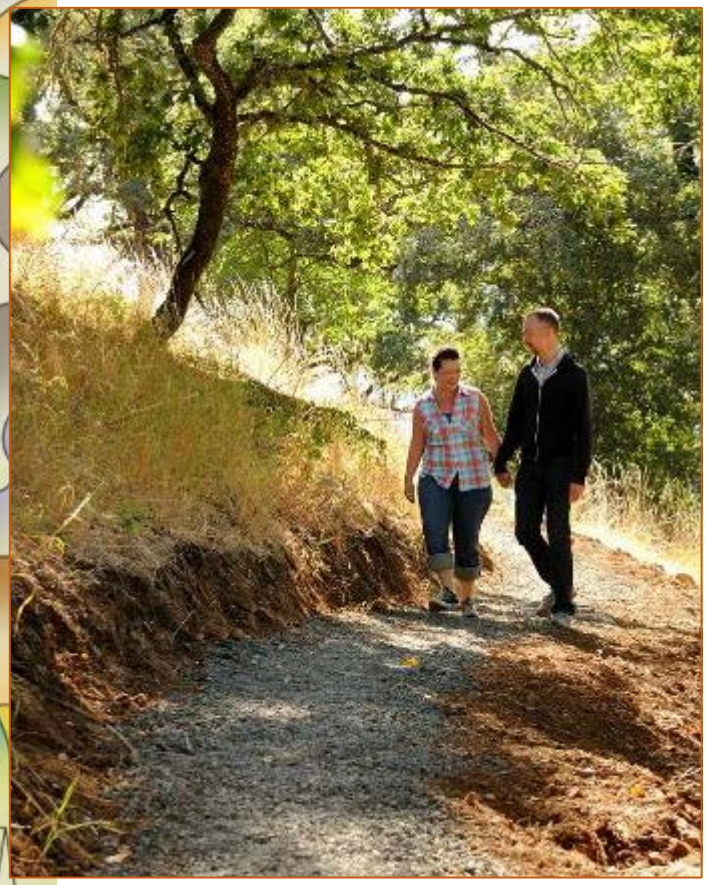
What is **The Trust for Public Land?**

Founded in 1972, The Trust for Public Land is the leading nonprofit working to conserve land for people. We protect the places people care about and create close-to-home parks—particularly in and near cities, where 80 percent of Americans live.

What is **The Trust for Public Land?**

Operating from more than 30 offices nationwide, we've protected more than 3 million acres from the inner city to the wilderness.

What is **The Trust for Public Land?**



Nearly ten million people live within a ten-minute walk of a Trust for Public Land park, garden, or natural area, and millions more walk on our work every year.

Our Services

SERVICES

- Conservation Vision and GIS
- Conservation Finance
- Conservation Transactions
- Park Design and Development
- Research and Education

Conservation Vision

How TPL Uses GIS to Green our Cities

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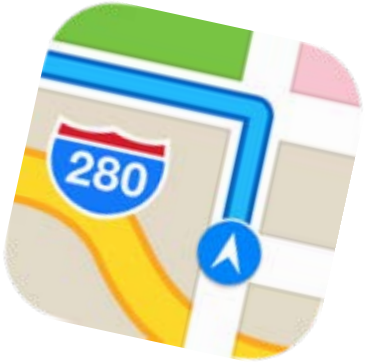
CONSERVING LAND FOR PEOPLE

Conservation Vision and **GIS**

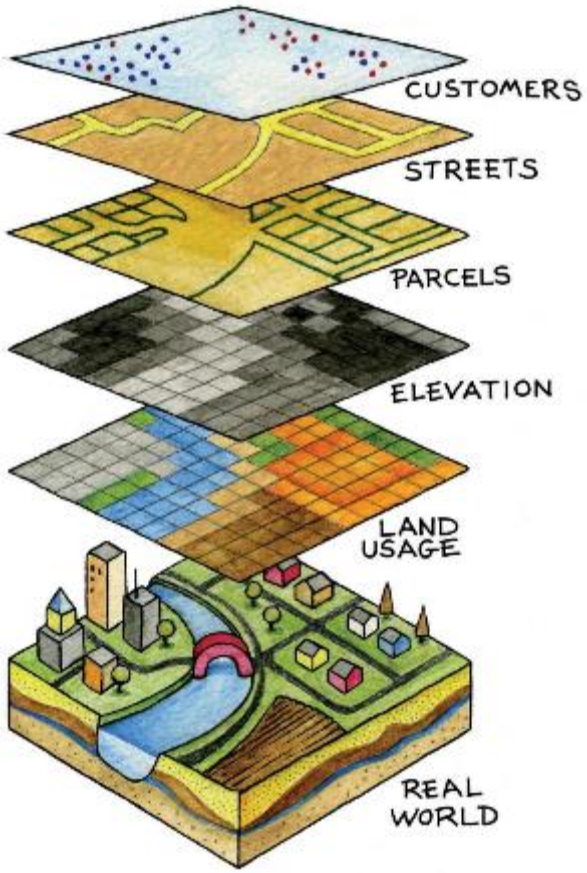
We provide the tools communities need to identify the most important land for conservation—and create and carry out a plan to protect it.

What is Geographic Information System (GIS)?



- All of us use GIS every single day, **whether we know it or not**
- **GIS** is a data platform designed to store, analyze, and present location-specific data
- You all have a **GIS app** on your smartphone

What is Geographic Information System (GIS)?



- But GIS is about **more than navigating** from point A to B
- GIS can tell us things like:
  - *Who **owns** land parcels*
  - *Percentage **canopy cover***
  - ***Poverty rate** in an area*
  - *Prevalence of **asthma***
  - ***…and more***

Lake Worth Greenprint

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How does it work?

- Uses a **GIS-based** analysis to help communities prioritize there parks and recreation goals
- Is a **collaborative** process that proactively engages with the local community
- Provides **long-term vision** and a **concrete plan** to protect the places most important to the community

Lake Worth Greenprint

- 60,211-acre study area of the entire **Lake Worth Watershed** (excluding Eagle Mountain Lake)
- Partnered with the **City of Fort Worth**, the **Lake Worth Regional Coordination Committee**, and the **North Central Texas Council of Governments**
- Focused the Greenprint on **water quality protection** and **recreation enhancement**

Lake Worth Greenprint

- Utilized **GIS analysis, public polling, interviews,** and **stakeholder group**
- Identified lands that have **maximum impact** on water quality and recreational opportunities

Lake Worth, TX Greenprin

tplgis.org/Lake_Worth_Greenprint/

Lake Worth, TX Greenprint

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Zoom In | Zoom Out | Pan | Full Extent | Previous Extent | Measure Length | Measure Area | Identify | Reset Map

CLOSE

DATA | LEGEND | MARKUP | PRINT | ABOUT

Select Overlay Data: Metadata

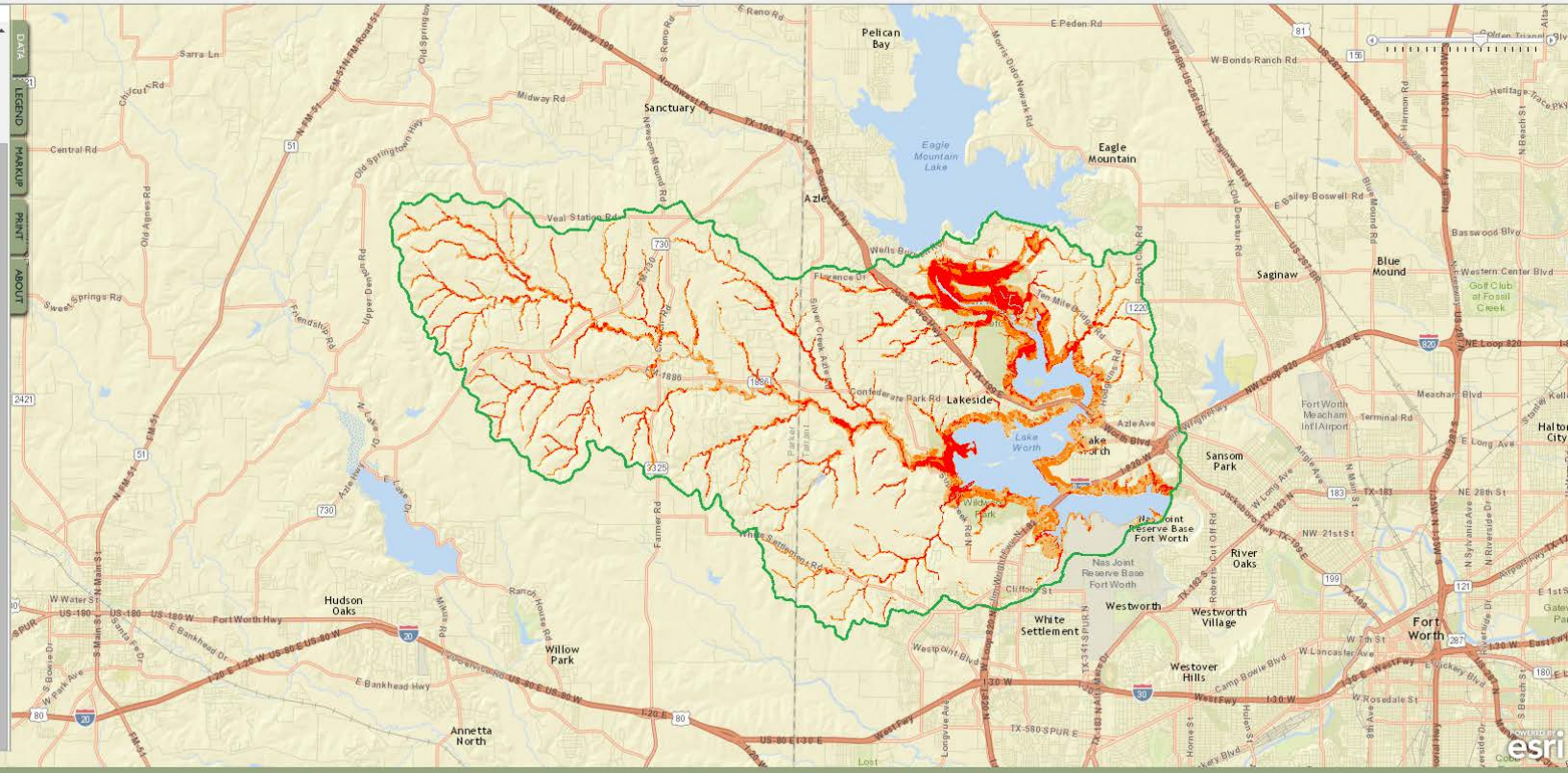
- Reference Layers
- Places of Interest
- Jurisdictional Boundaries
- Trails
- Hydrology
- Planning
- Demographics
- Landuse/Landcover
- Soils

Data Transparency:

Choose Greenprint Result Metadata

- Turn off Greenprint Result
- High Priority Water Quality Zones
  - Overall Goal Results
  - > Riparian Vegetation
  - > Steep Slopes
  - > Steep Stream and Lake Banks
  - > Floodplains and Buffers
  - > Wetlands
  - > Soils with Slow Infiltration
  - > Erodible Soils
  - > Canopy Cover
  - > Native Vegetation
- Stewardship Opportunities for Agricultural Land Uses
  - Overall Goal Results
  - > Crop Land
  - > Ranch Land
- Stewardship Opportunities for Existing and Future Development
- Provide Recreation Access to Lake Worth
- Provide Recreational Connectivity to Lake Worth Trail

Greenprint Transparency:



HELP

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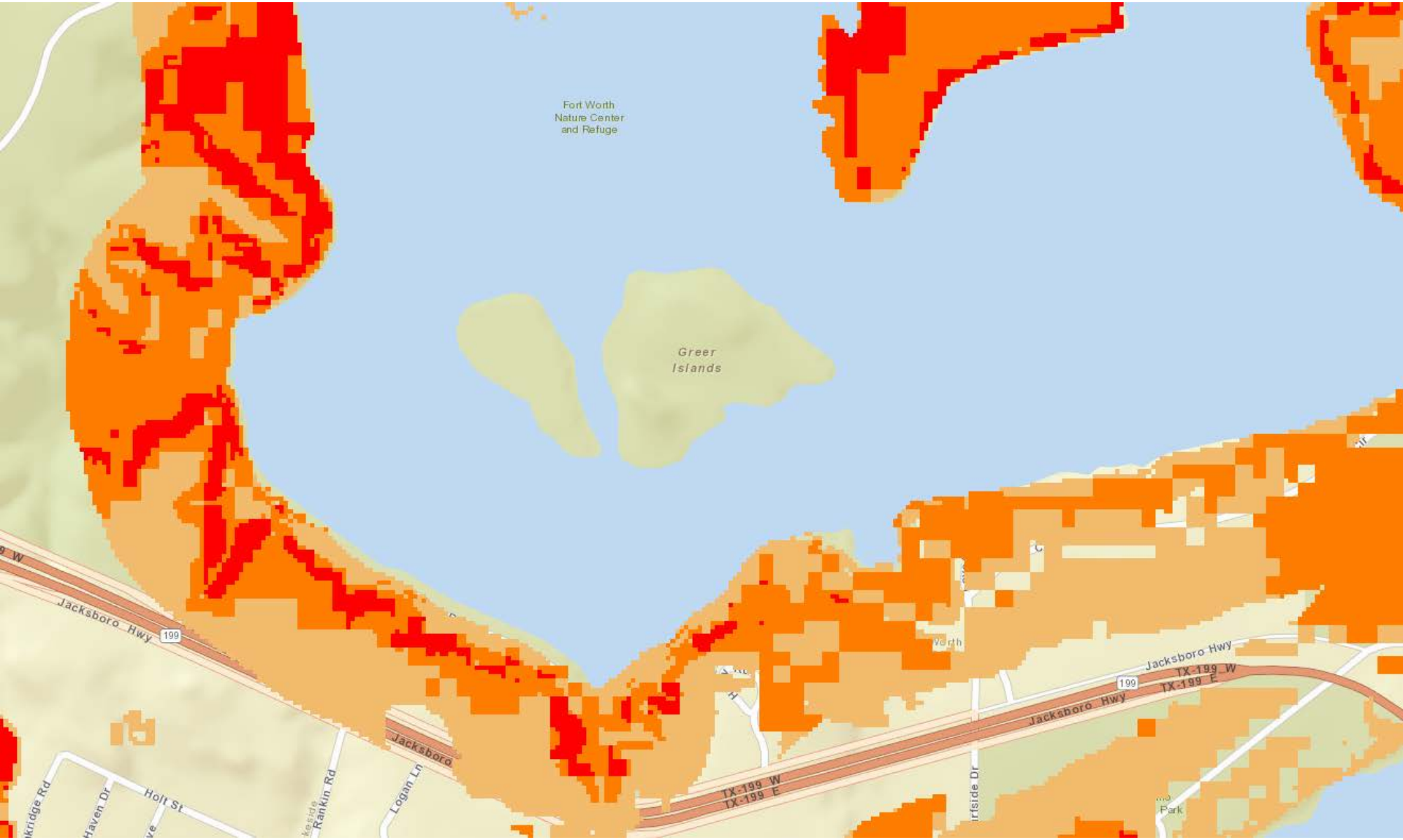
Fort Worth
Nature Center
and Refuge
Greer
Islands
Jacksboro Hwy
199
Jacksboro
Jacksboro Hwy
TX-199 W
TX-199 E
Holt St
Rankin Rd
Logan Ln
Park

Lake Worth Greenprint Action Plan

1. Raise funds to support action plan steps
2. Start a voluntary open space preservation program
3. Gather more information to understand and address water quality problems
4. Develop or enhance local government program/activities
5. Promote education and publicity
6. Create landowner incentives
7. Undertake additional planning and evaluation
8. Regulate for improved water quality outcomes

*The **Trust for Public Land**—Land for people*

Thank you!

Robert Kent

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