

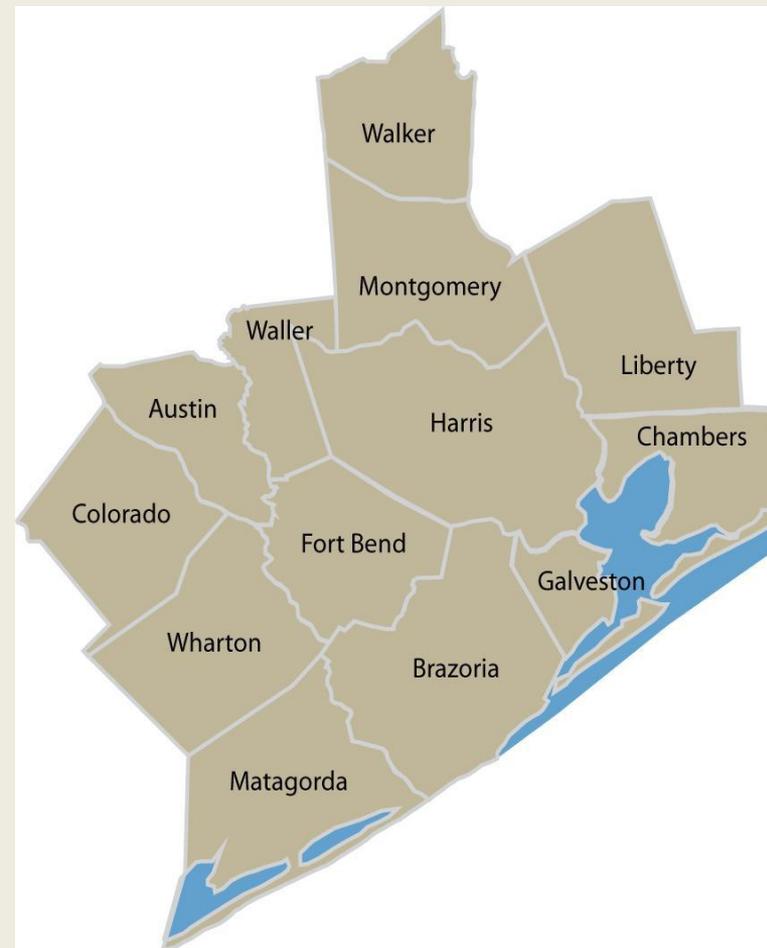
Onsite Sewage Facility (OSSF) Mapping Project Update

Will Merrell



Critical Need

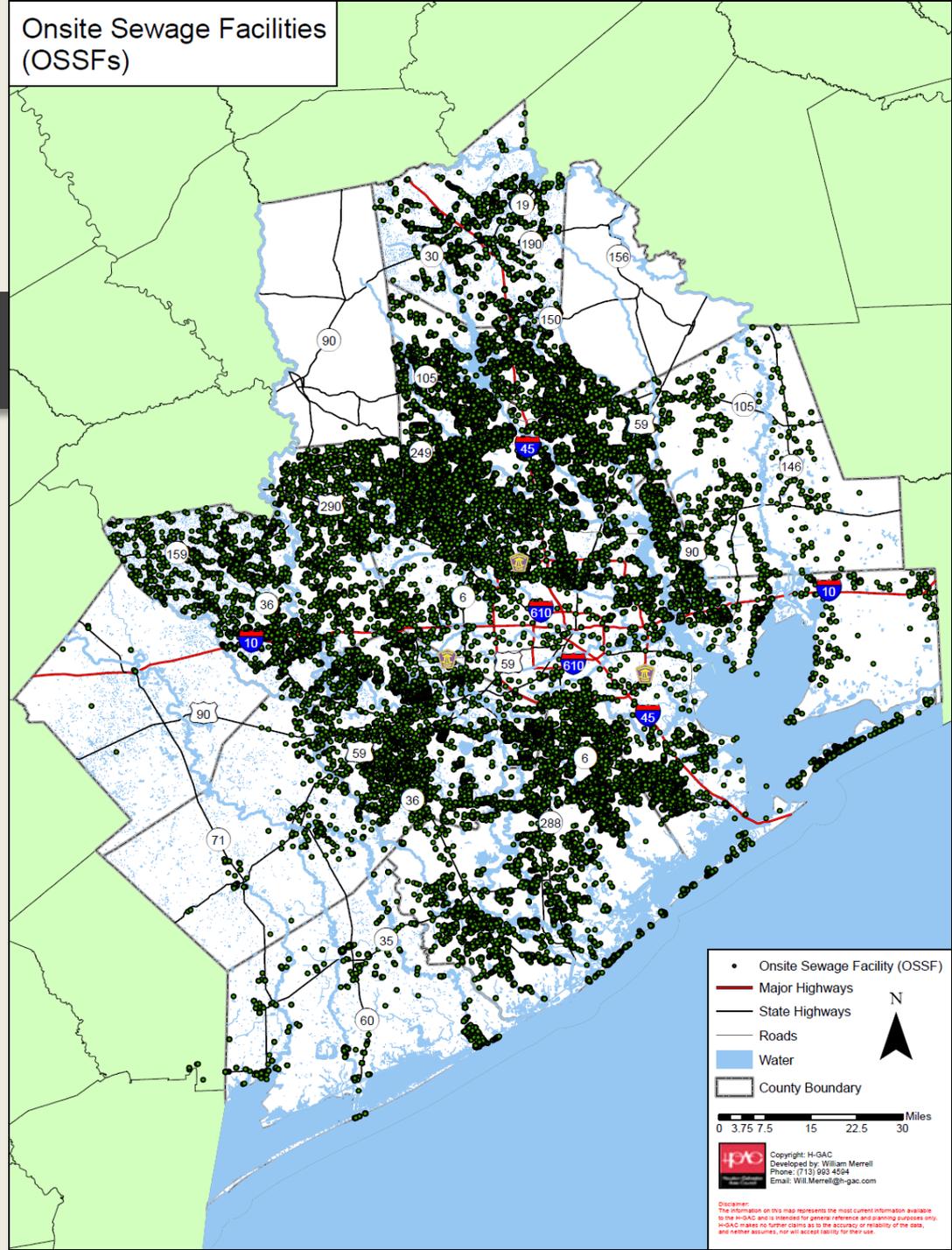
- Identified as Sources of Bacteria/Pathogens and Nutrients
- Estimated 2 Million OSSFs in Texas
- H-GAC Region Estimation: 300,000+ or 15% of all OSSFs
- Permitting Process 1989



Permitted OSSF Locations



- 107,986 Records Collected
- 73,870 Records Identified
- **34,116 Records Remaining**



Limitations of Address Matching: Street Address Points and Parcel ID Centroids



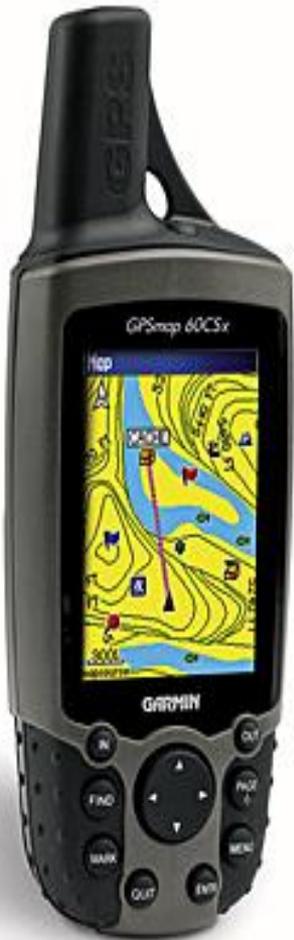
■ ■ ■ Limitations of Address Matching



■ ■ ■ Limitations of Address Matching



Implementing GPS



- Precision and Accuracy
- Eliminating “Lost” Records
- Using TCEQ OPP 8.12 Standards
 - Receiver Procurement
 - Training



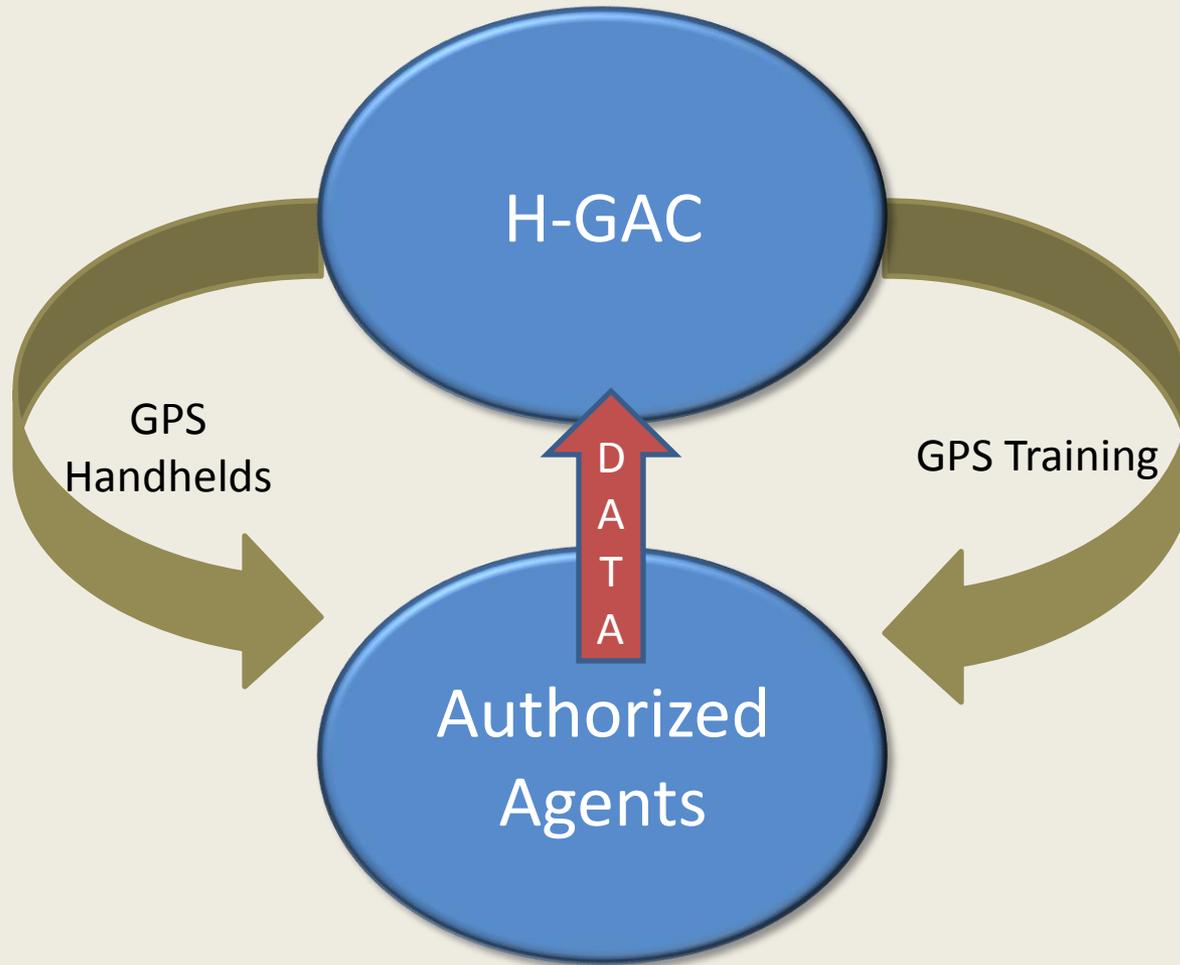
GPS



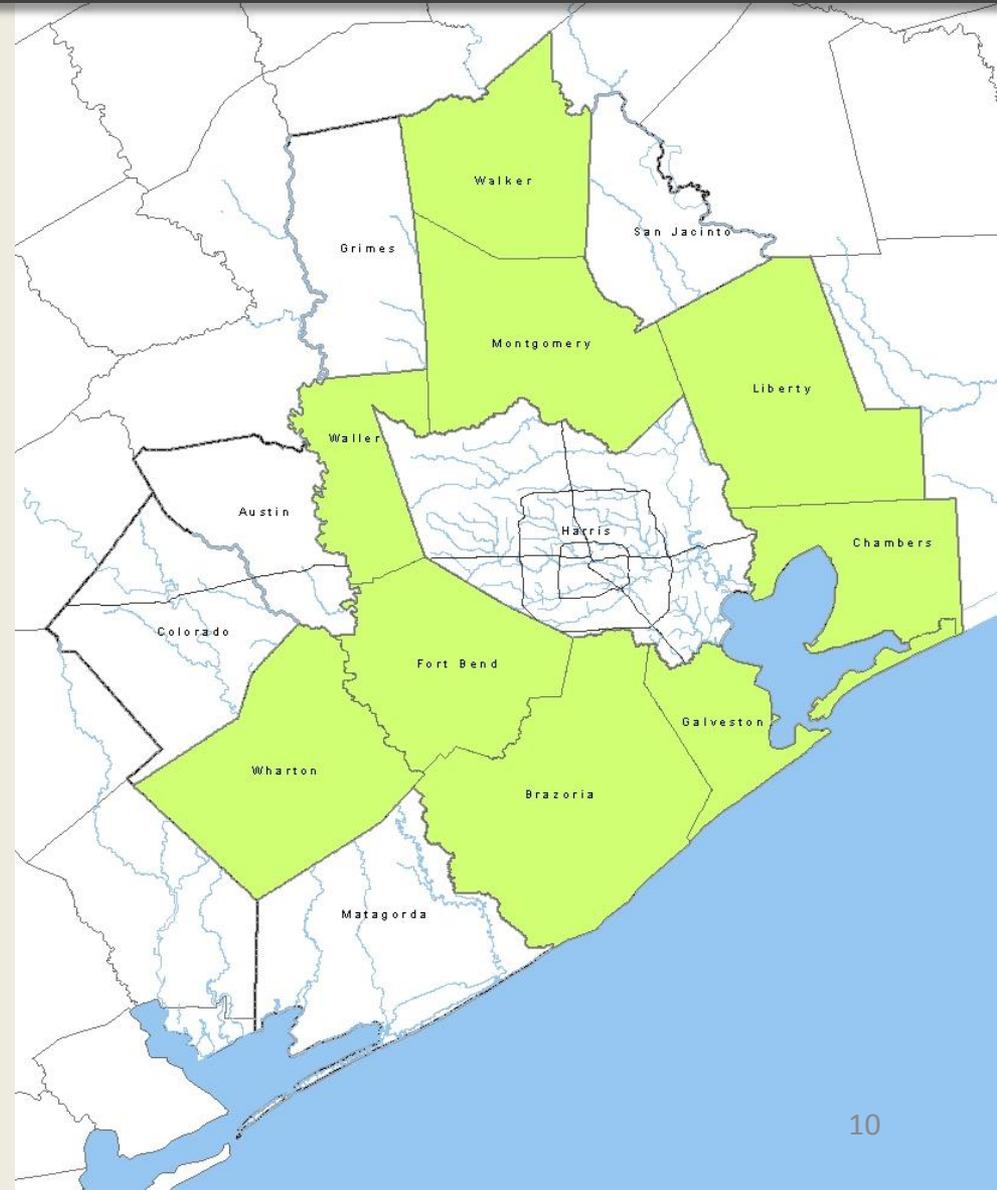
- Garmin eTrex Vista H
 - High-Sensitivity GPS Unit
 - 24 MB Internal Storage
 - USB for Electronic Storage



GPS



Brazoria, Chambers,
Fort Bend, Galveston,
Liberty, Montgomery,
Walker, Waller,
and Wharton
currently
participating

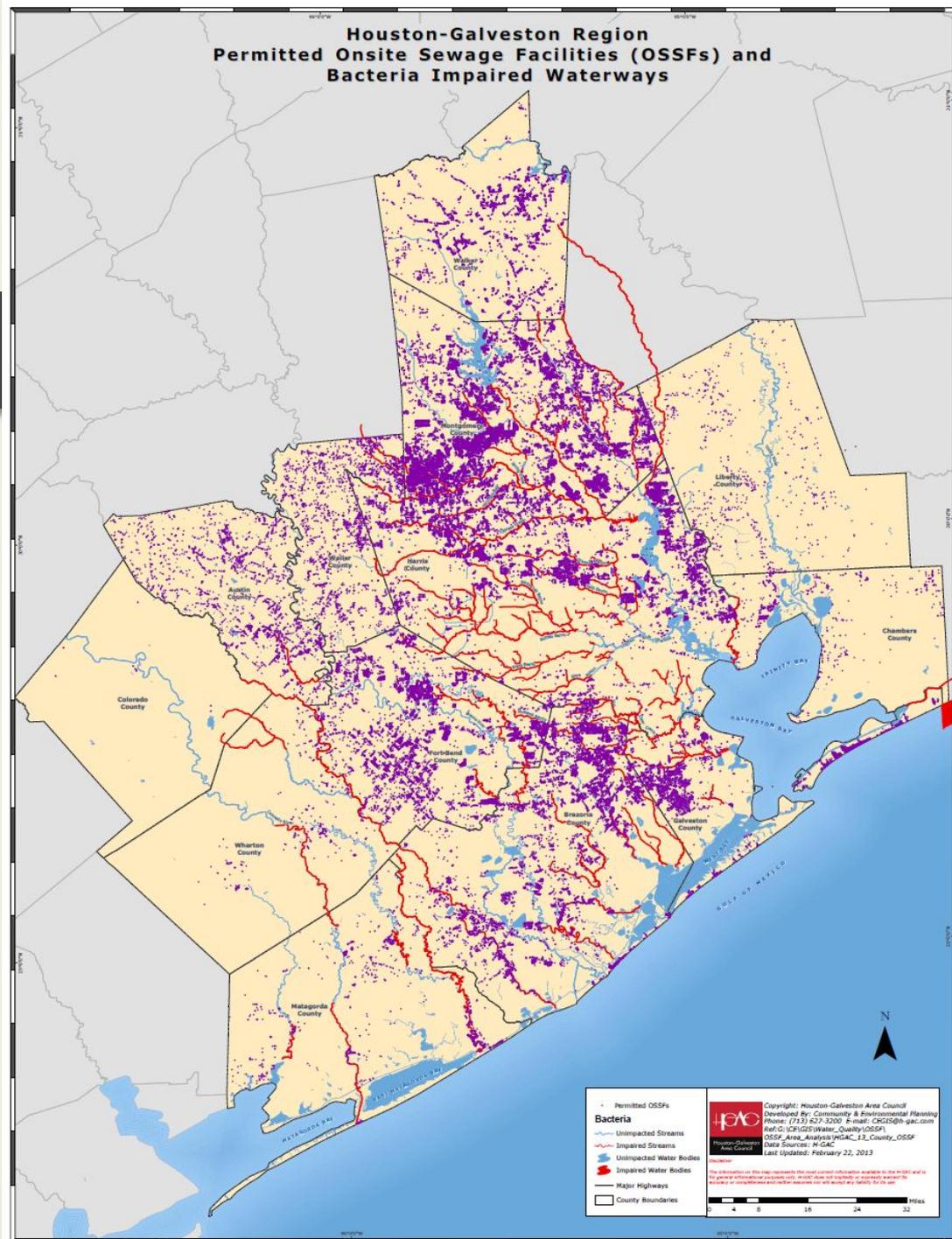




H-GAC OSSF Database Update



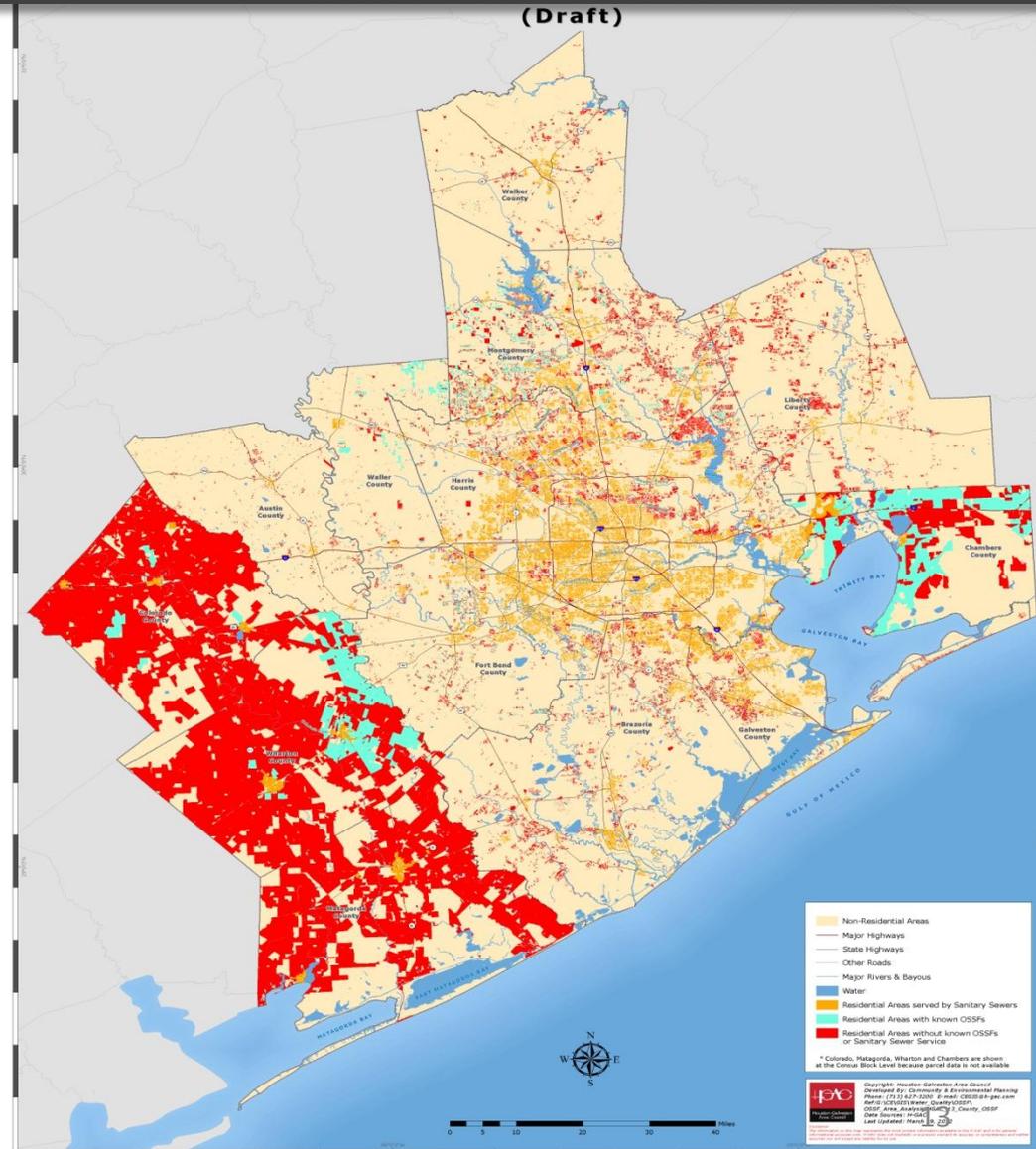
- 73,870 Permit Locations Originally Identified
- 7,994 Added in October
- **81,864 Total in Permits Database**





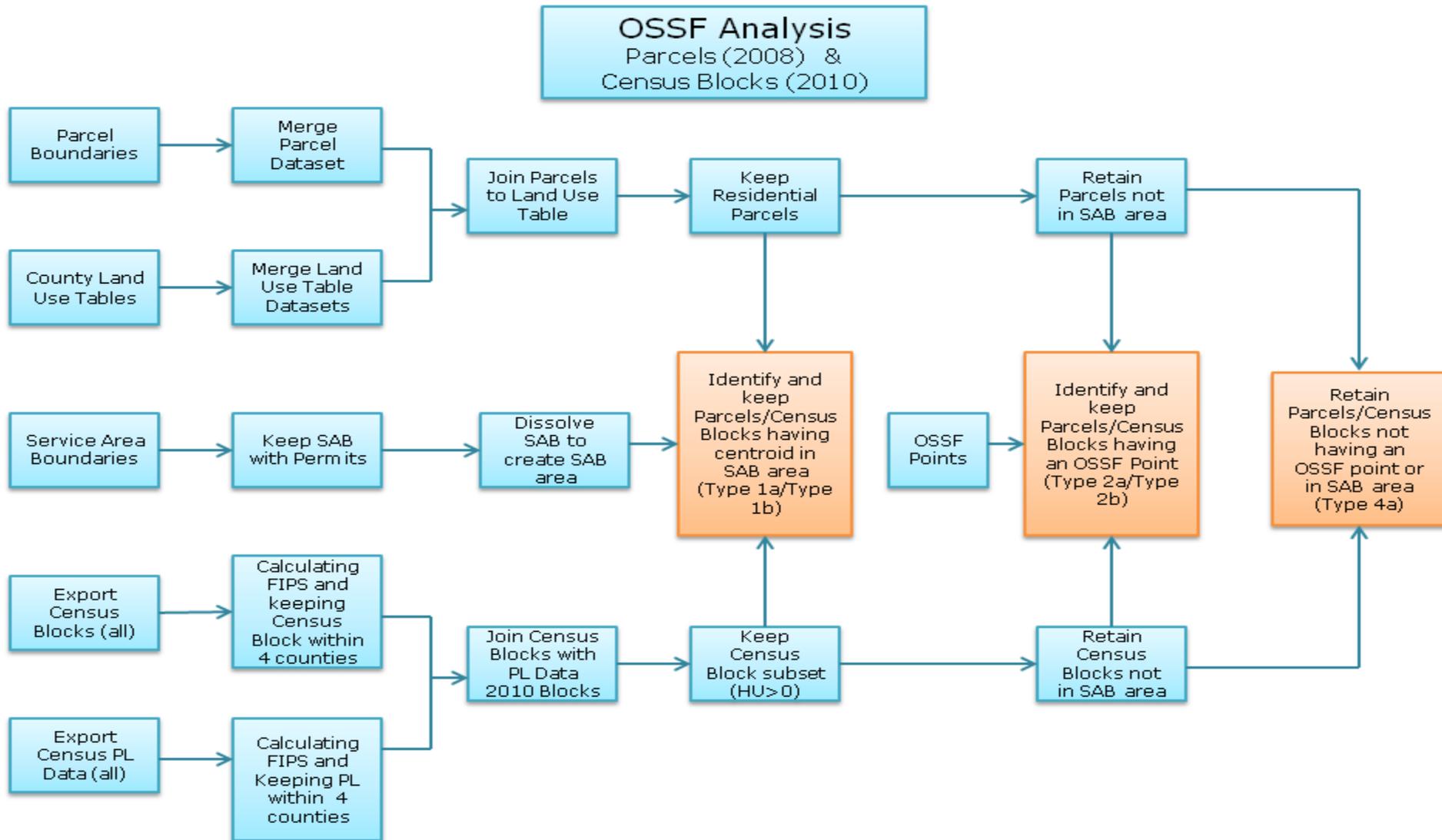
Unpermitted/Grandfathered OSSFs

Analysis to Identify Potential Unpermitted, Grandfathered, and/or Undocumented Residential Septic Systems





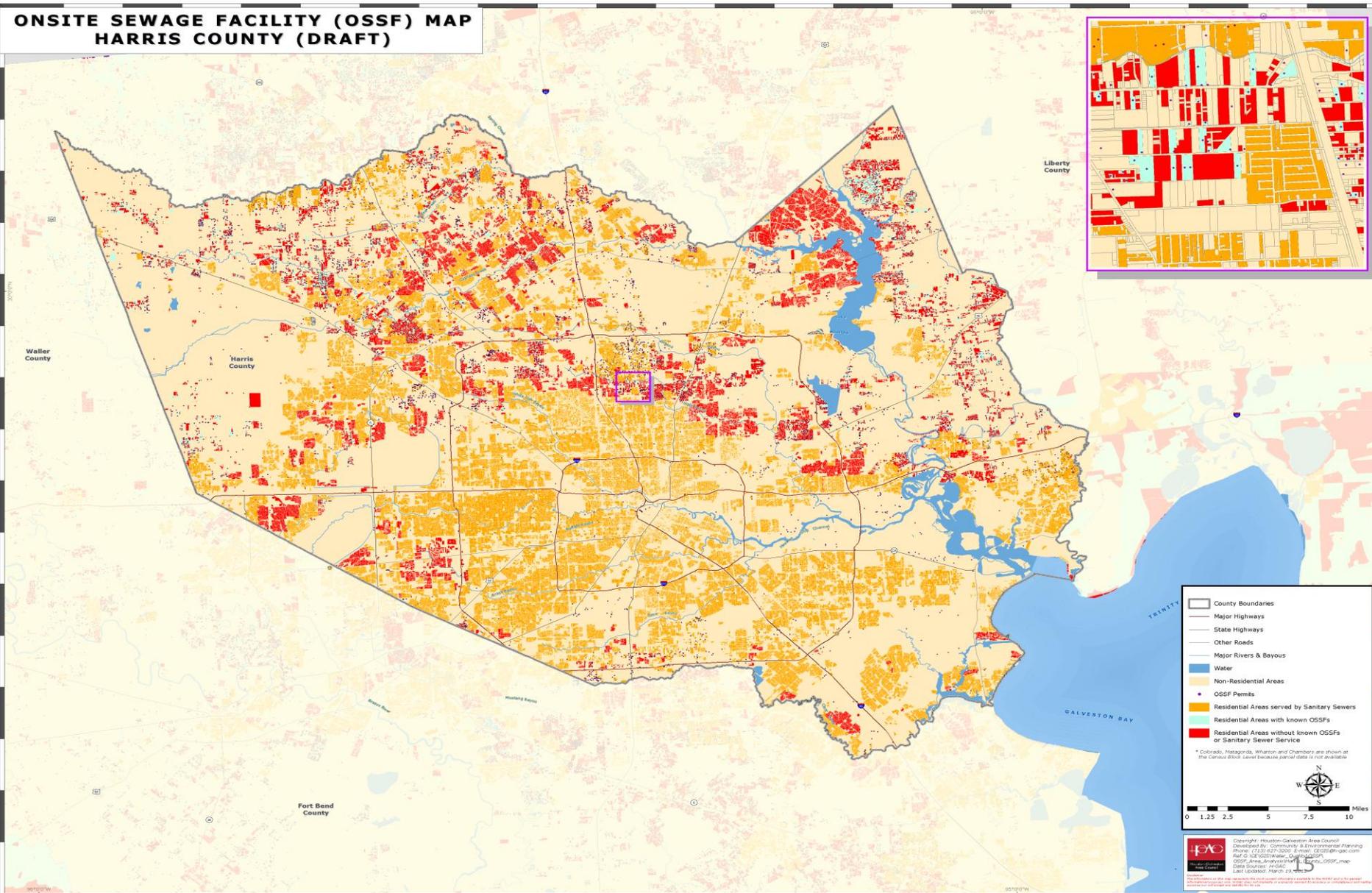
Unpermitted/Grandfathered OSSFs



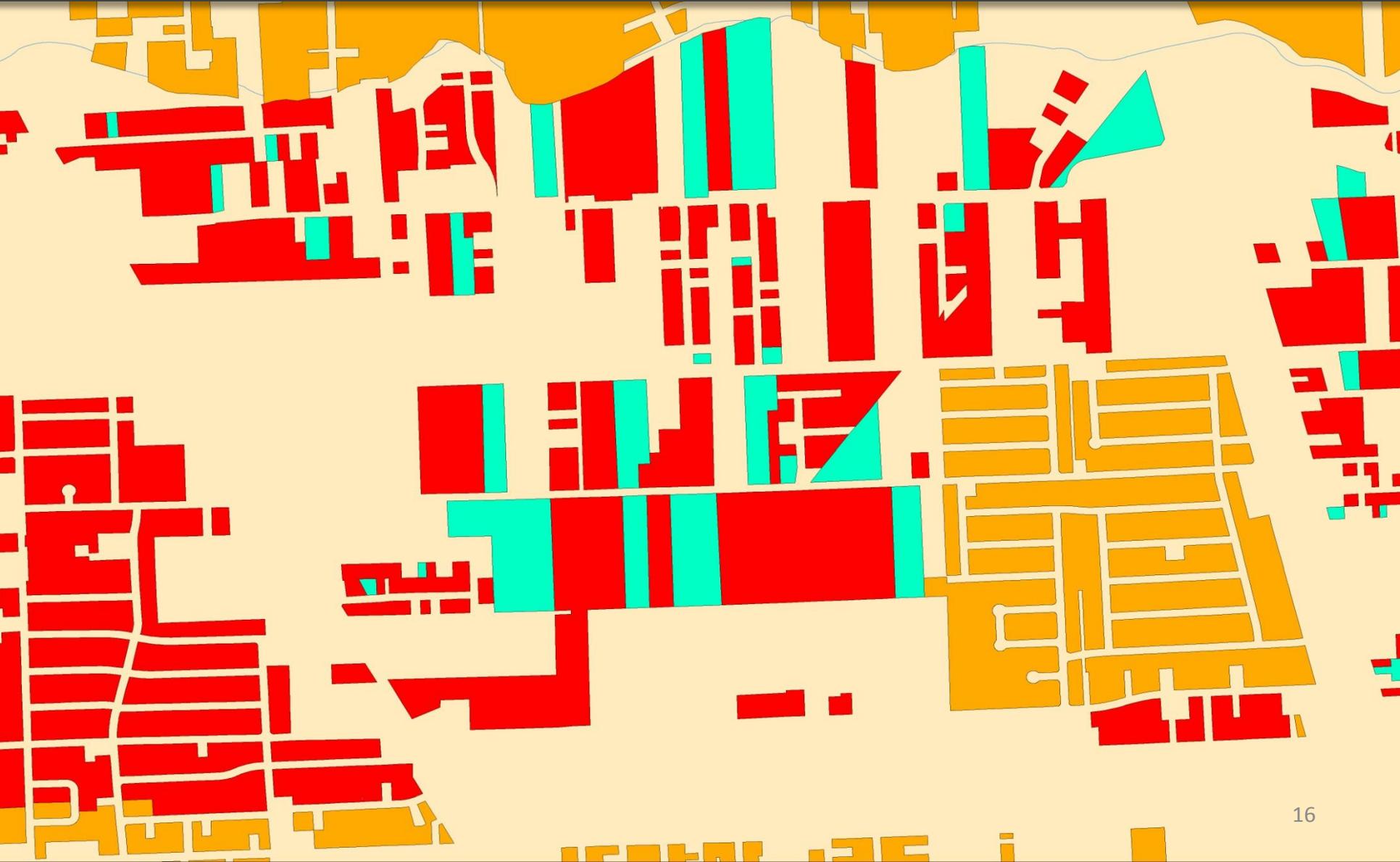


Unpermitted/Grandfathered OSSFs

**ONSITE SEWAGE FACILITY (OSSF) MAP
HARRIS COUNTY (DRAFT)**



■ ■ ■ Unpermitted/Grandfathered OSSFs





[OSSF Web Application](#)



Ongoing and Future Endeavors



- Expanding Permit Geodatabase
- Collecting Complaint and Failure OSSF Data
- Expanding Unpermitted, Grandfathered, or Undocumented OSSF Analysis for Commercial and Industrial Parcels
- OSSF CEU Course for Real Estate Inspection Professionals

Questions?

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