

GIS State Legislative Updates and other news from TNRIS



StratMap

tnris.org/stratmap

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StratMap
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88th Texas Legislature GIS Update *Record number of bills filed!*

[SB 712](#) & [HB 2489](#)



Renaming the Texas Natural Resources Information System as the Texas Geographic Information Office

Track and look up bills: capitol.texas.gov

88th Texas Legislature GIS Update *Record number of bills filed!*

[HB 2060](#) Creation of the artificial intelligence advisory council



[HB 570](#) A study by the Texas Division of Emergency Management of the potential effects of droughts and wildfires in this state

[HB 4609](#) A study by the Texas A&M Forest Service of the potential effects of wildfires in this state

[HB 693](#), [SB 115](#), [HB 2294](#) Texas Redistricting Commission or redistricting related

[HB 1676](#) The sale of consumer geotracking data by telephone companies

88th Texas Legislature GIS Update *Record number of bills filed!*

[HB 3](#) Relating to measures for ensuring **public school safety**, including the development and implementation of purchases relating to and funding for **public school safety and security requirements** and the provision of safety-related resources.

PASSED

[HB 2032](#), [SB 866](#) A requirement that school districts and open-enrollment charter schools provide emergency response mapping data to local law enforcement agencies

[HB 13](#) Training, preparedness, and funding for school safety and school safety emergencies

[HB 2033](#) The inclusion of the Texas Department of Transportation on the Texas **Electricity Supply Chain Security and Mapping Committee**

[SB 2472](#) Transmission and distribution utility access to certain portions of the **electricity supply chain map**

88th Texas Legislature GIS Update *Record number of bills filed!*

[SB 1319](#) Reporting of certain overdose information and the mapping of overdoses for public safety purposes **PASSED**

[HB 3480](#), [HB 3540](#) Overdose mapping by a local health authority or a law enforcement agency for public safety purposes

[SB 1238](#) Broadband development **PASSED**

[HB 9](#) Development and funding of broadband and telecommunications services

[SB 2119](#) Identification of areas supported by the broadband development program and a plan of the universal service fund **PASSED**

[HB 2191](#) Mobile source emissions reductions and transportation electrification

[SB 1311](#) Creation of the Texas Transportation Electrification Council and the duties of that council

88th Texas Legislature GIS Update *Record number of bills filed!*

[HB 4086](#), [SB 2196](#) Identification and mapping of aggregate production operations by The University of Texas Bureau of Economic Geology



[HB 4102](#), [SB 1986](#), [HB 4737](#) Prohibiting the acquisition or use of certain unmanned aircraft by a governmental entity

[SB 1858](#) The next generation 9-1-1 service fund

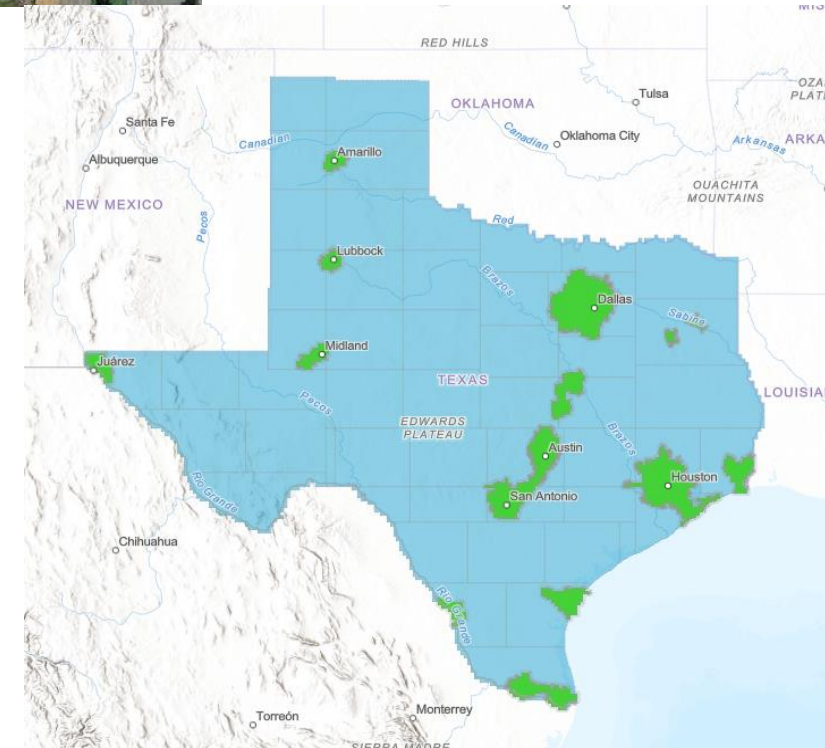
Track and look up bills: capitol.texas.gov



Imagery content from   and

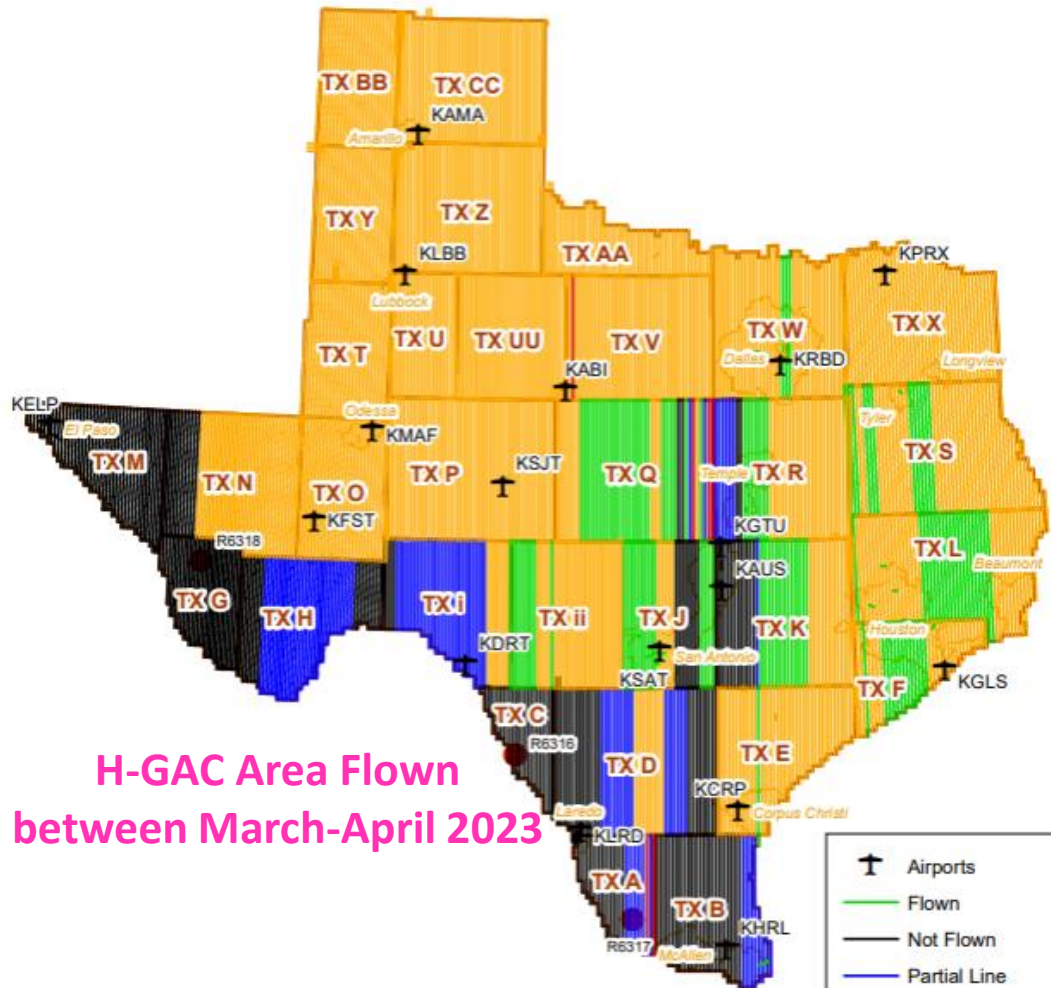
 **HEXAGON** | HxGN Content Program

- Urban areas **2022** imagery- **NOW AVAILABLE**
- Statewide **2020-2021** imagery- **NOW AVAILABLE**
- Statewide **Winter 2022/23** imagery- **ACQUISITION COMPLETE!**



22-701 HxIP 15cm WAC Texas

As of April 24, 2023

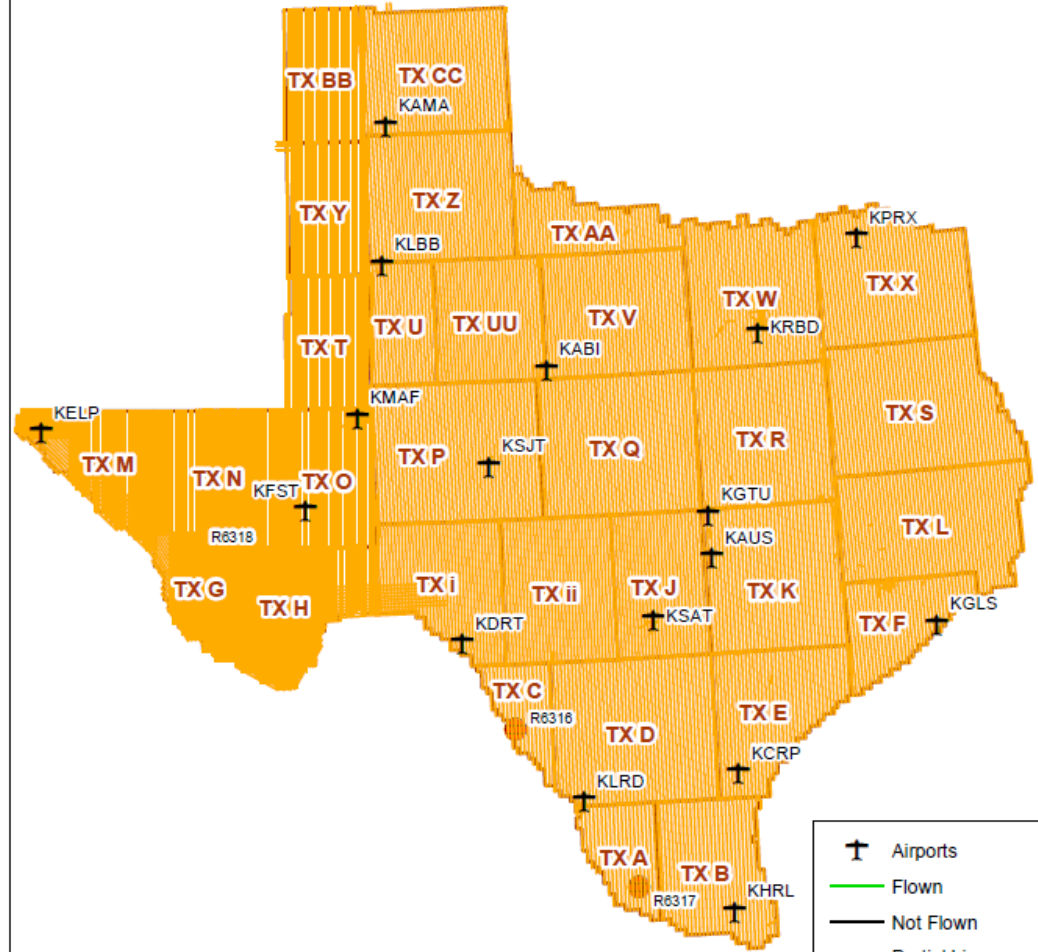


**H-GAC Area Flown
between March-April 2023**

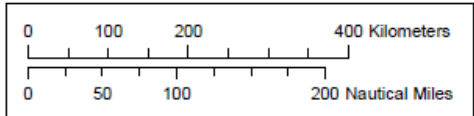
- Airports
- Flown
- Not Flown
- Partial Line
- Reflight Needed
- Released to AT
- Aerostat Blimps
- WAC Blocks
- Urban Areas

22-701 HxIP 15cm WAC Texas

As of June 30, 2023



- Airports
- Flown
- Not Flown
- Partial Line
- Reflight Needed
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- Aerostat Blimps
- WAC Blocks



State Agencies

Level	Service Requests*	Annual Subscription Fee**
Power	>=20,000,000	\$375,000
Advanced	1,250,000 - 19,999,999	\$125,000
High	500,000 - 1,249,999	\$62,500
Moderate	100,000 - 499,999	\$31,250
Minimum	<100,000	\$15,625

State Universities

Department - Annual flat fee \$15,625**

University Wide - Annual flat fee \$125,000**

Regional Agency

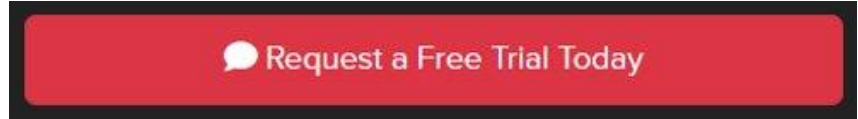
Annual flat fee \$15,000**

Local Agency

Annual flat fee \$6,000**

* State Agency cost is calculated based on an annual metric of service web requests. A web request is every **new** click, pan, scroll, load or zoom per user in your organization.

** Cost does not include DIR Fee



<https://www.tnris.org/tis-request/>



2023 StratMap Land Parcels and Address Points



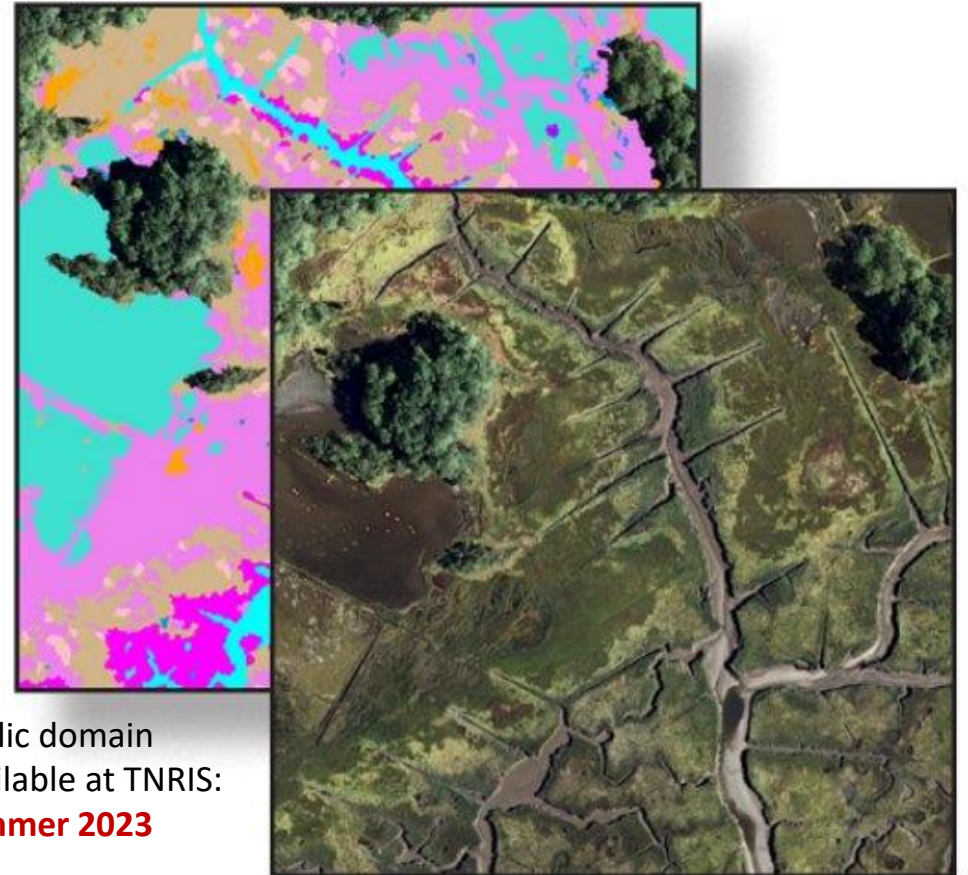
- 2023 collection – **Acquisition Complete!**
- Available at TNRIS: **August 2023**
- Visit TNRIS [DataHub](#) for past Land Parcels and Address Points.



NOAA C-CAP Land Cover

Specs

- 1-meter
- Houston-Galveston region
- 25 classes

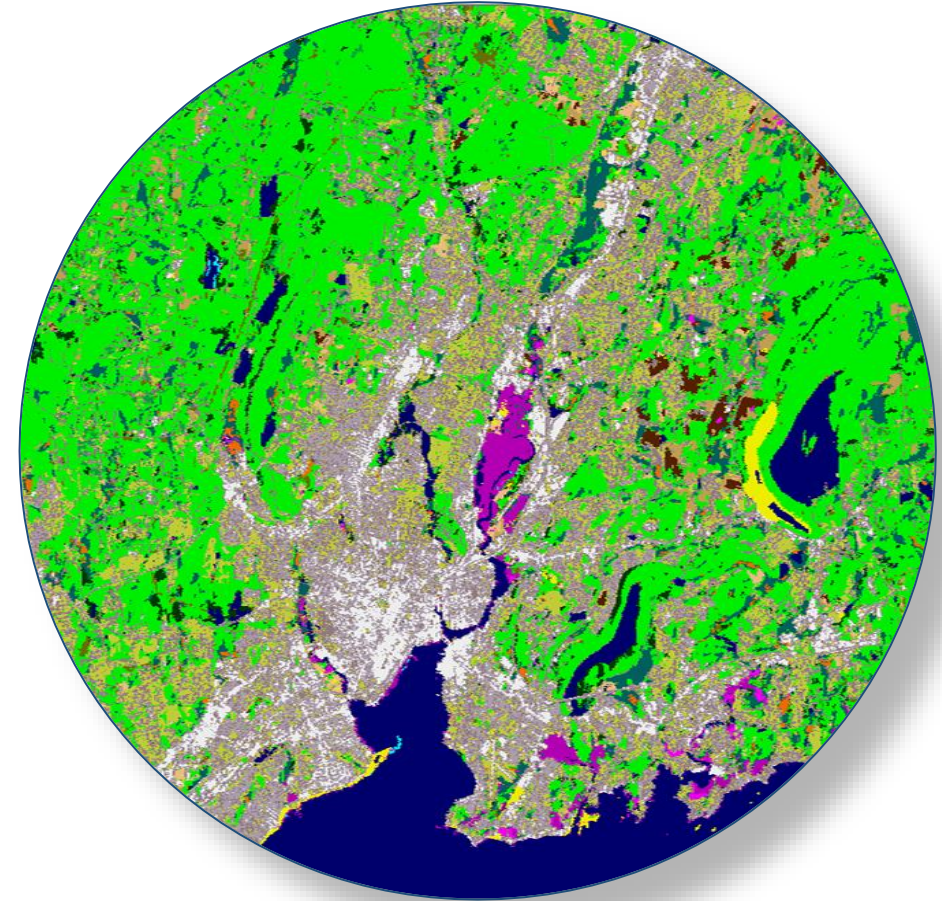


- Public domain
- Available at TNRIS: **Summer 2023**

Coastal Change Analysis Program (C-CAP)

coast.noaa.gov/digitalcoast/topics/coastal-land-cover.html

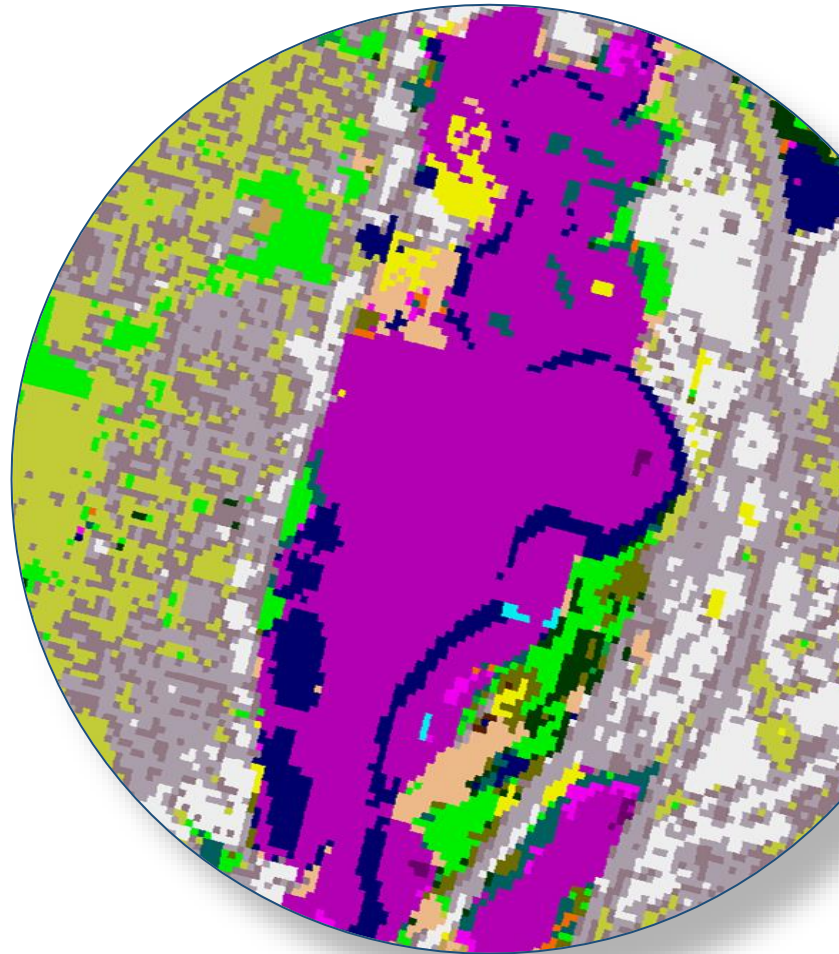
- FGDC National Geospatial Data Asset
- Coastal expression of the NLCD
- Regional Products at 30-meter
 - Updated every 5 years (1996 – 2016)
 - Back as far as 1975 in some locations
 - 2021 update planned (2023 release)
- High Resolution Products at 1-meter
 - Historically expensive to produce
 - Faster, cheaper, better now possible
 - 2021 national buildout (by 2025)



Comparison of Resolutions

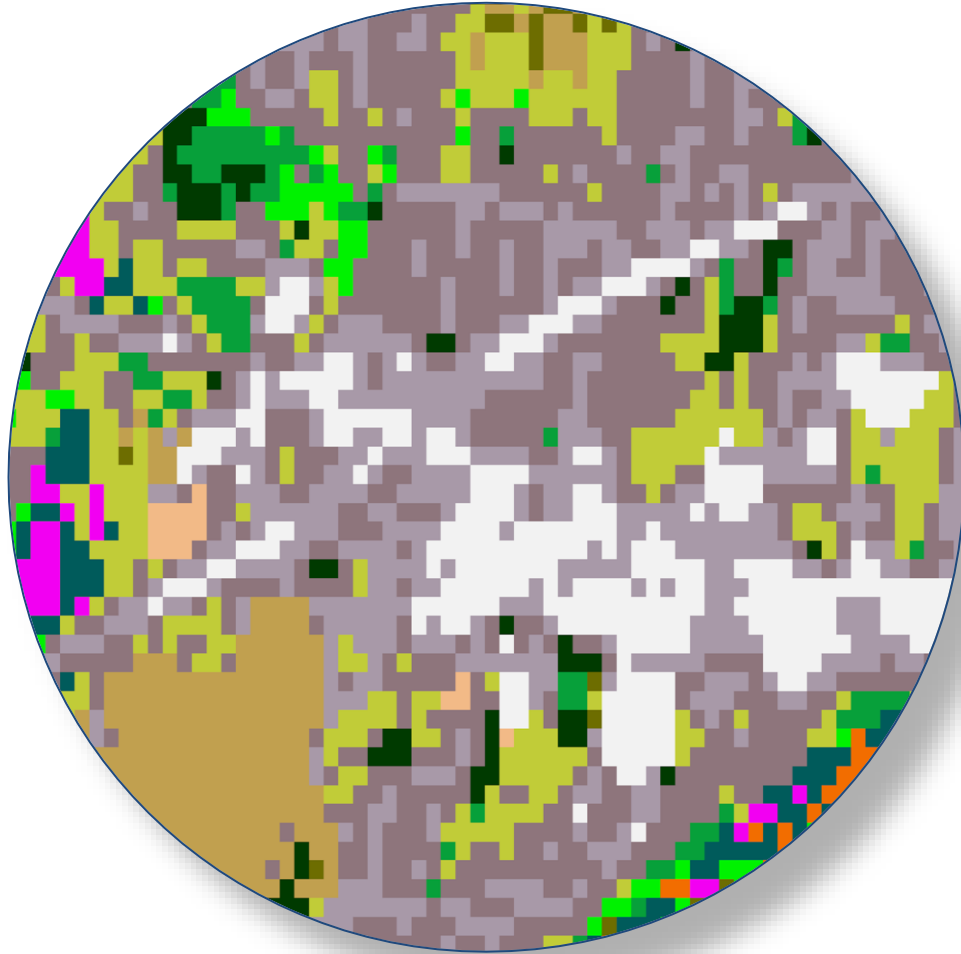
REGIONAL (30 METER)

LOCAL (1 METER)



Comparison of Resolutions

REGIONAL (30 METER)

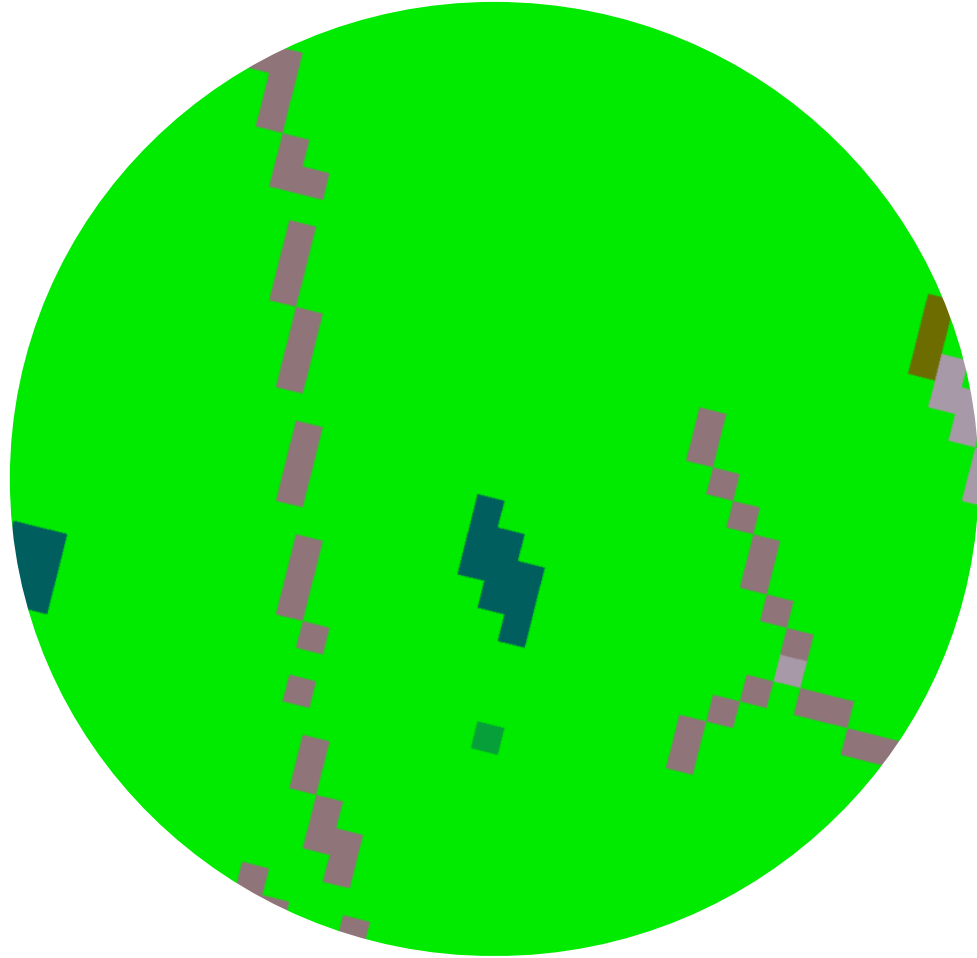


LOCAL (1 METER)

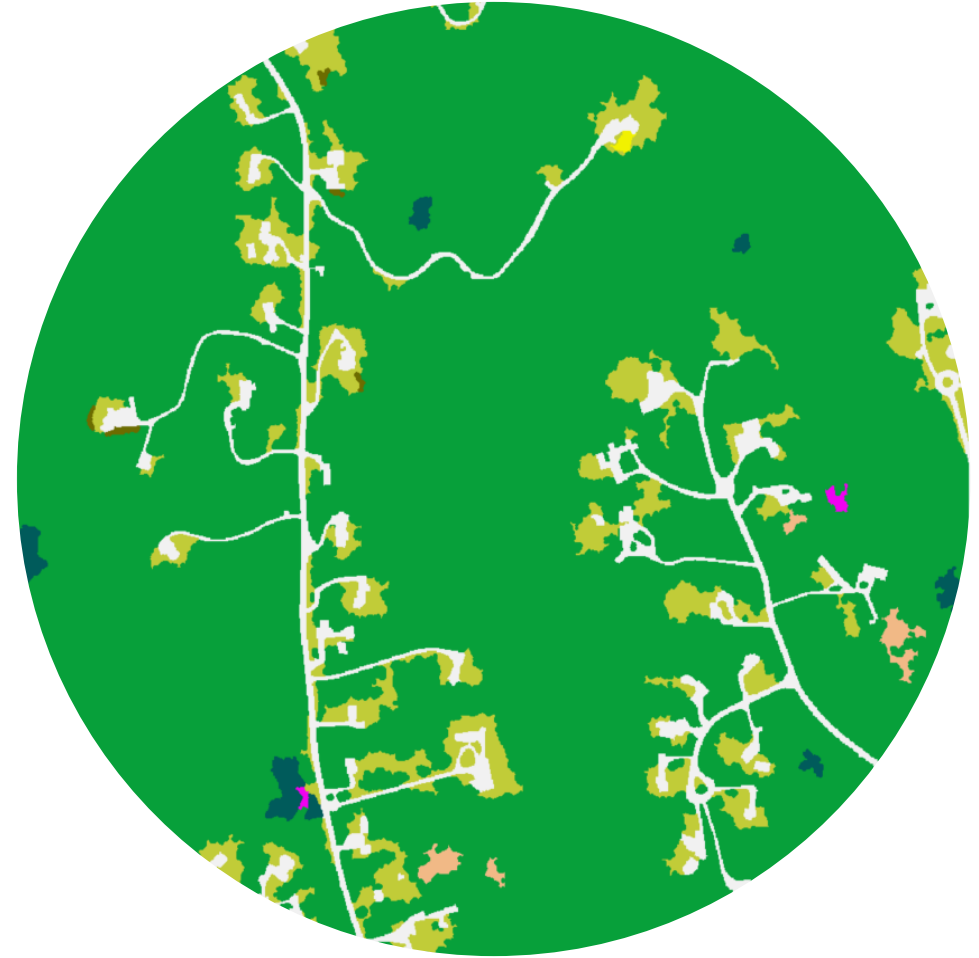


Comparison of Resolutions

REGIONAL (30-METER)

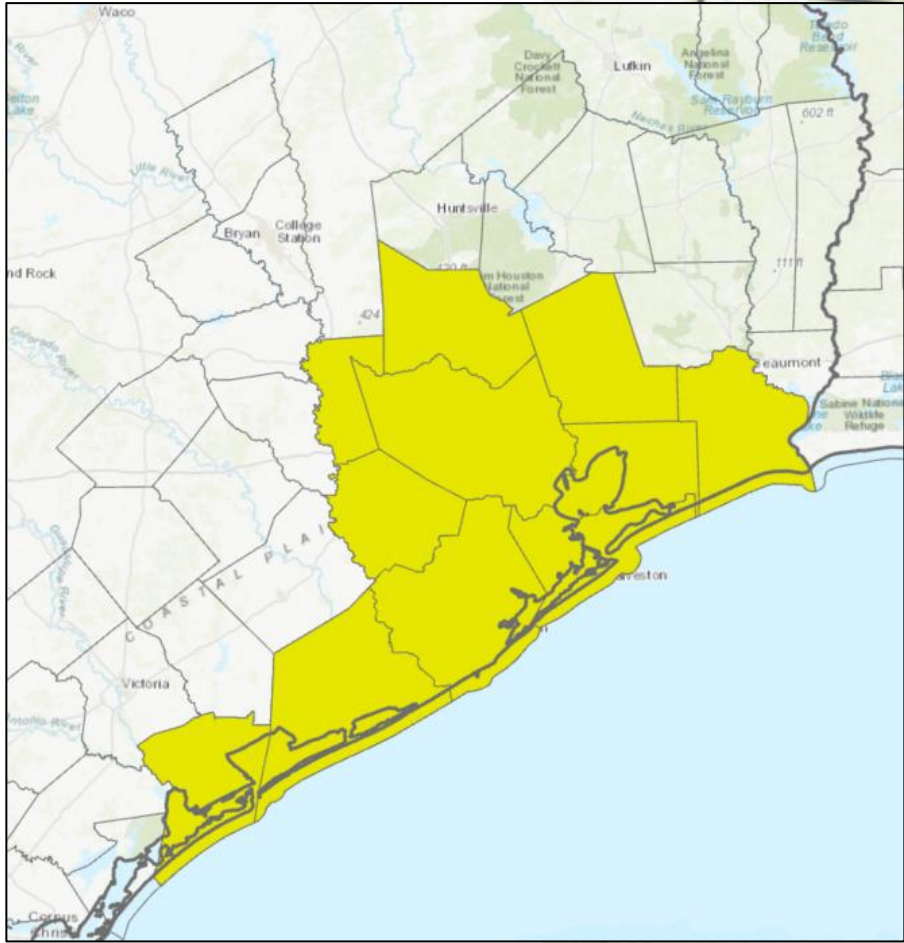


LOCAL (1-METER)



1-meter Land Cover Production Goals

- C-CAP scheme land cover (Phase 2 – short-term)
 - **Tampa, FL (5.5 counties): Available now**
 - Houston, TX (11 counties): Summer/Fall 2023 (In Progress)
 - Maine (statewide): Fall/Winter 2023
- C-CAP scheme land cover and change (Phase 2 – mid-term)
 - Puerto Rico and U.S. Virgin Islands: Spring 2024
 - Hawaii, American Samoa, Guam, Northern Mariana Islands: Spring 2024
 - Puget, WA (Existing 2015, 2017 areas): TBD 2024
 - Erie County, OH; Charleston, SC; Brunswick and New Hanover, NC: TBD 2024
 - Rhode Island; New Hampshire; Massachusetts; Connecticut: TBD 2024
 - New Orleans, LA: TBD 2024
- C-CAP scheme land cover and change nationally (by 2025)



Houston
Galveston
Pilot Area



C-CAP Land Cover Categories

Impervious

Impervious under canopy

Open Space Developed

Cultivated

Pasture/Hay

Grassland

Upland Forest / Tree

Scrub/Shrub

Bare Land

Snow/Ice

Palustrine Forested Wetland

Palustrine Scrub/Shrub Wetland

Palustrine Emergent Wetland

Estuarine Forested Wetland

Estuarine Scrub/Shrub Wetland

Estuarine Emergent Wetland

Water

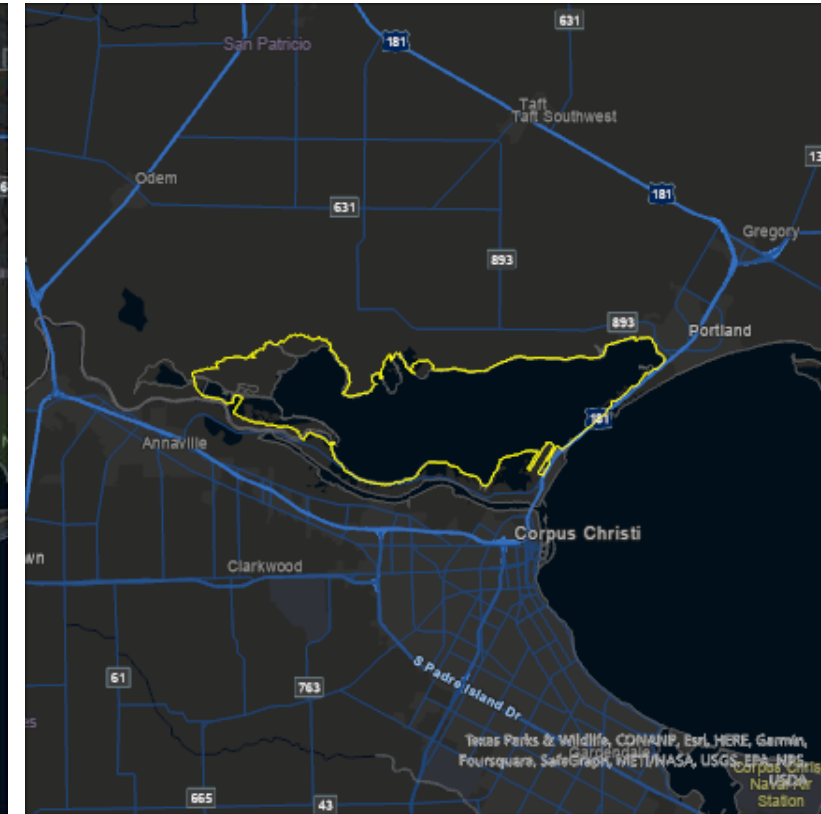
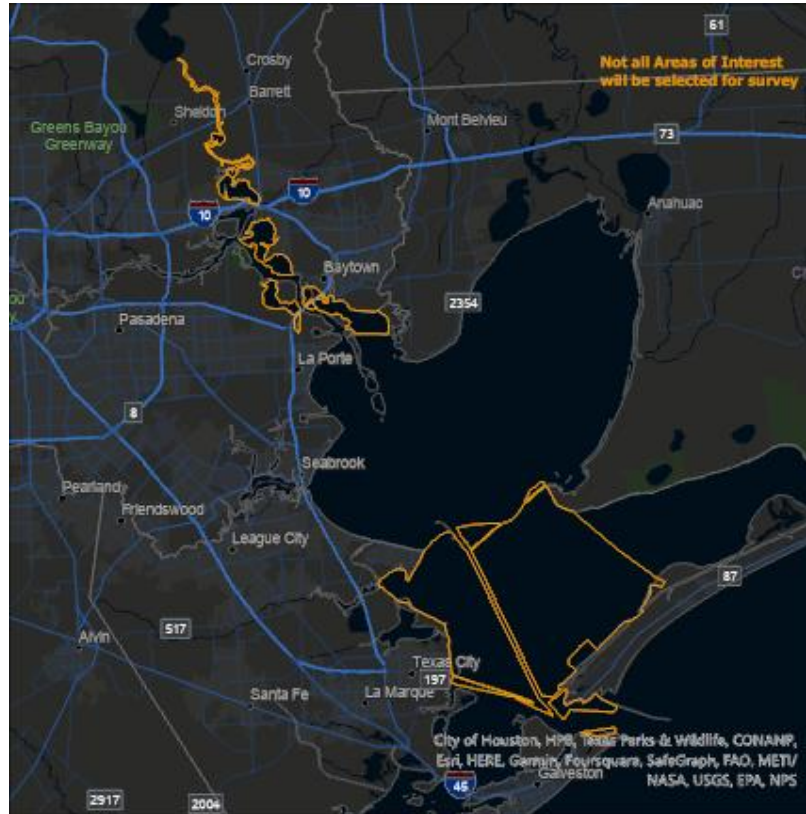
Unconsolidated Shore

Palustrine Aquatic Bed

Estuarine Aquatic Bed

Bathymetry Initiatives

- Project officially kicked off
- Next Steps:
 - Vessel and crew mobilization
 - Survey setup and GNSS control
 - Begin data collection
- Estimated data delivery: Early 2024



2023 Texas GIS Forum

**Conference & workshop
registration is open!**

Monday and Tuesday: Workshops

Wednesday and Thursday: Sessions and Exhibits

Friday: State of the State

**For updates:
@TNRIS on Twitter**

<https://tnris.org/texas-gis-forum/2023/>

TEXAS **GIS** FORUM
October 23-27 2023



visit tnris.org for more info

Thank you!

- Visit us at tnris.org
- Follow us @TNRIS on Twitter
- Upcoming Texas GIS Community Meetings:
 - **October 27, 2023**
(‘State of the State’ on Friday at the Texas GIS Forum)



Contact us!

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