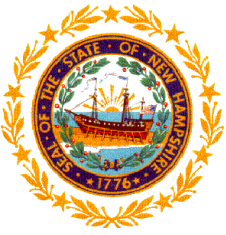


NH Geographical Information System (GIS) Committee

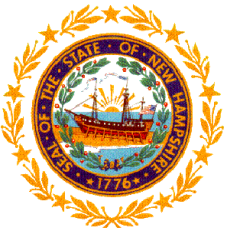
Per [RSA 4-F:1](#)

6/26/2019



Imagery Budget Request(s)

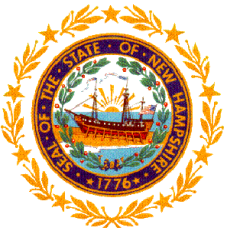
- Definition: Additional Prioritized Need (**APN**)
 - Governor's Phase – **APN**, \$1.3mm in 2020, \$650k in 2021, not funded
 - Met with House leadership & testified before House Finance
 - House considered establishing revolving fund, and **fund** \$1.3mm in 2021
 - House language was not adopted
 - Senate did not revisit House language



Imagery Next Steps

DOT:

- Reaches out to partnering agencies to secure funds
- Works with USGS to get contractor on board for collection and QA/QC
- Contracts with GRANIT to manage deliverables and perform additional QA/QC



GIS Advisory Committee Charter

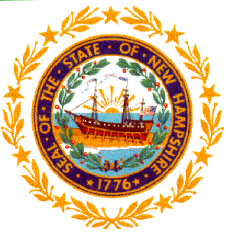
Purpose:

1. Officially designate/rename 3 committee levels

CURRENT	PROPOSED
NH Geographic Information System Committee	NH GIS Steering Committee
Working Group	NH GIS Advisory Committee
NH GIS Technical Advisory Committee (GTAC)	NH GIS Technical User Group

2. Document/clarify role of the GIS Advisory Committee – *subject to commitment of dedicated resources*

- Recommendations on the development, use, and coordination of geospatial data and resources
- Recommendations on the development and management of statewide clearinghouse
- Advise on geospatial needs of public and semi-public agencies; legislative initiatives
- Research, facilitate and execute projects and tasks as requested by the NH GSC



Statewide GIS Clearinghouse: Alignment with Action Plan



STRATEGY #2

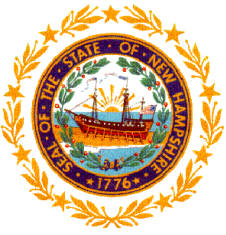
Designate an official state GIS clearinghouse for curated, public-facing GIS data

Objectives

- A. Pursue a long-term contract with a state GIS clearinghouse to:
 - i. Store, manage, and provide access to enterprise geospatial data sets
 - ii. Develop and promote task- and cost-appropriate tools to analyze and display data
- B. Increase outreach to all stakeholders to promote awareness and use of enterprise geospatial data sets

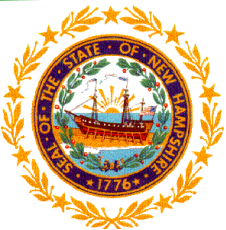
Areas of further exploration:

- Common GIS presentation tools and platforms that exist through vendor agreements
- Training opportunities to take full advantage of these platforms



Clearinghouse Responsibilities

- Coordinate acquisition, processing, storage, and distribution of free, public geospatial data
- Develop and manage open geodata portal to provide access to public datasets
- Develop and/or host map services, map viewers and other applications
- Coordinate development of data guidelines and standards, procedural documents
- Develop key foundational data sets (contours, impervious surfaces)
- Participate in/coordinate data procurement opportunities (orthoimagery, LIDAR)
- Provide training/technical support to GIS practitioners, potential practitioners, users



Implement Geodata Portal

NH Geodata Portal

New Hampshire Geodata Portal

Administered by NH GRANIT

Search for Open Data

The New Hampshire Geodata Portal, developed by the NH GRANIT Clearinghouse at UNH, facilitates the discovery and use of authoritative GIS data, web applications, and related geospatial resources for New Hampshire.

Start exploring New Hampshire's Open Data by entering keywords in the search box or by selecting a data category below.

This site is currently in development, and new datasets are being added regularly. GRANIT welcomes your feedback as we work to improve the Portal. To download data layers not yet available here, please visit www.granit.unh.edu



Explore Data Categories



Administrative &



Agriculture & Forestry



Biology & Ecology



Cultural, Society & Demographic



Elevation

GIS Project Status – Field Data Collection Project

May 2019

Objectives

- Survey state natural resource agencies to establish needs/skills for field data collection on state lands
- Test collaborative web-mapping application model to improve existing field data collection workflows.
- Develop/deploy ArcGIS Online content and mobile apps compatible with new versions of AGOL and Collector

Benefits

- Introduces field data collection component to the Agency Map Viewers Pilot Project
- Demonstrates transferability of NH SADES model to natural resource agencies
- Improves information-sharing, coordination, and collaboration among the state's GIS stakeholders

Accomplishments

- Revised and enhanced multi-agency shared geodatabase with related tables for historical archiving of field surveys and link to Special use permits data.
- Collector app with jump to Survey123, and workflow for offline field data collection, provided to Staff for field testing
- Continued development of internal Operations Dashboard and public-facing Web App Builder to view forest inventory data

Commentary

- Field testing by NHFG and DFL staff underway

Project Status:

On Track

Issues/Risks

- No issues or risks were identified over the past month that affect the project objectives, schedule, or budget

Changes

- No changes to objectives, schedule, or any other aspects have impacted the project over the past month

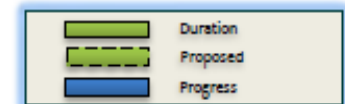
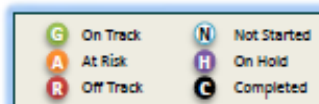
Cost

- DoIT capital budget funds in the amount of \$14,000 awarded Environmental Systems Research Institute (Esri) for professional services Web GIS Launch Kit, through NH master purchasing agreement.
- Time of agency staff participation not charged to this project. NH Fish and Game Dept., NH Dept. of Natural and Cultural Resources – Div. of Forests and Lands.

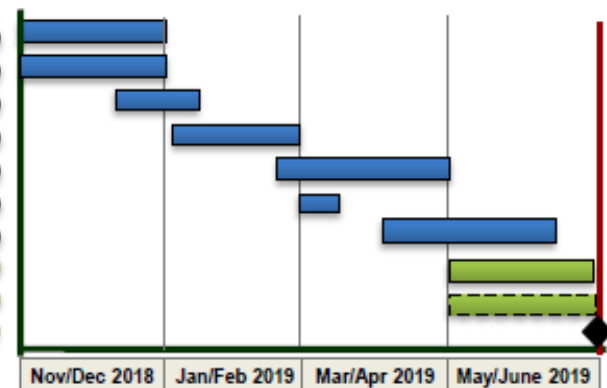
Stakeholders

Sponsor Organizations: DoIT
 Project Sponsor: Denis Goulet
 Project Manager: Katie Callahan, DoIT-NHFG
 Participants: staff from NHFG, NH DNCR-DFL and NHB, and the NH GIS Community

Timeline



Project Milestone	Month/Yr	Status
1. Develop Project Plan & Schedule	Oct 2018	C
2. Initial kick-off with Esri reps, agency staff	Nov 2018	C
3. Gather existing data collection forms	Dec 2018	C
4. Working group review existing workflows	Jan 2019	C
5. Create data template (features/attributes)	Feb 2019	C
6. Esri Professional Services Launch Kit	Mar 2019	C
7. Field test initial applications	Apr 2019	C
8. Finalize web content and field data apps	May 2019	G
9. Produce final guidance documents	June 2019	G
10 Project Closeout	June 2019	G



GIS Project Status – Agency Map Viewers Pilot Project

May 2019

Objectives

- Survey state agencies to establish needs/skills with respect to geospatial data management and publishing
- Test collaborative web-mapping application model by developing governance structure and infrastructure
- Develop/deploy agency mapping site(s) that provide public access to NHDOT & NHDES enterprise data sets

Benefits

- Reduces redundancy and enhances effectiveness among agencies deploying web mapping applications
- Increases utilization of spatial data assets
- Improves information-sharing, coordination, and collaboration among the state's GIS stakeholders

Cost

- DoIT capital budget funds in the amount of \$201,871 awarded to GRANIT, Earth Systems Research Center, UNH, to coordinate assessment. Funds provided through state/UNH cooperative agreement that specifies invoicing based on costs incurred
- Time of GIS TAC Task Force members and agency staff participation not charged to this project. Estimate to be provided after initial project meeting.

Stakeholders

Sponsor Organizations: DoIT
 Project Sponsor: Denis Goulet
 Project Manager: Fay Rubin
 Participants: GIS Technical Advisory Committee Task Force, GIS Technical Advisory Committee, NHDOT staff, NHDES staff

Accomplishments

- UNH – provided general system/technical support for server hosting viewer applications
- NHDES – continued development of viewer management plans; tested Editor role for ArcGIS Online web app; assisted DES Bureau GIS leads in viewer management; revised draft templates for Web GIS governance;
- NHDOT – continued working with UNH to refine road inventory viewer
- All – continued documentation for Web GIS governance

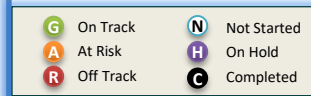
Project Status:

Issues/Risks

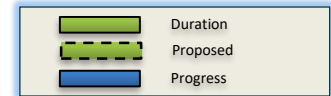
- No issues or risks were identified over the past month that affect the project objectives, schedule, or budget

Changes

- No changes to objectives, schedule, or any other aspects have impacted the project over the past month

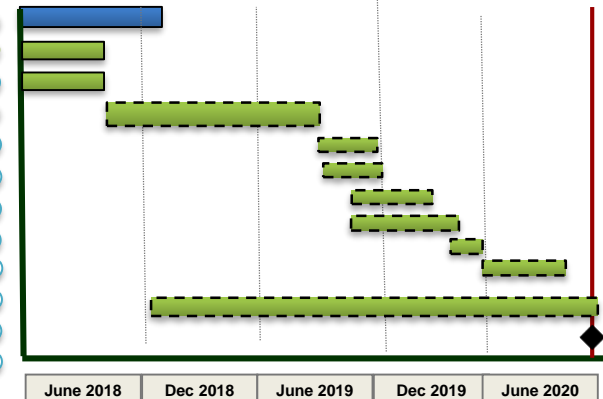


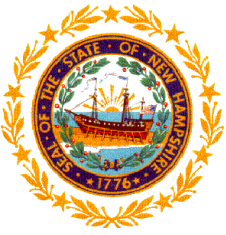
Timeline



Project Milestone Month/Yr

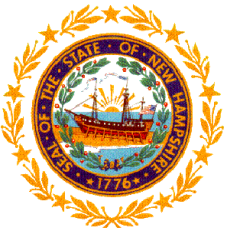
Project Milestone	Month/Yr	Status
1. Develop project plan & schedule	July 18	G
2. Identify initial agency applications	Oct 18	G
3. Identify structure/content of guidance docs	Dec 18	N
4. Initial Geocortex applications built	Mar 19	G
5. Complete initial testing of applications	June 19	N
6. Complete help documents/videos	June 19	N
7. Solicit/implement feedback on apps	Sept 19	N
8. Release Geocortex agency viewers	Nov 19	N
9. Identify/scope second applications	Dec 19	N
10. Develop/launch second applications	May 20	N
11. Produce final guidance documents	June 20	N
12. Project closeout	June 20	N





Financial Summary

Initial Appropriation		750,000
Project	Approved	Encumbered
Orthoimagery Needs Assessment	29,448	29,448
Agency Map Viewers Pilot	201,871	201,871
Improving Field Data Collection	14,000	14,000
Available		504,681



New Slide

- One
- Two
- Three
- Four
- Five