

## **OneMAP for ME** 2017—2022 LiDAR Base Mapping Program

### **Elevation Acquisition Program**

#### Budget Period 2017 - 2022

Bond	\$2,900,000
Would leverage other anticipa	ted sources:
Federal	\$2,600,000
State & Local Sources	\$1,400,000
Total Cost - \$7 m	

#### **Public Uses**

- Floodplain Mapping
- Natural Resource Inventories and Assessments
- Transportation Management, Operations & Planning
- Route Planning
- Permitting

#### **Private Uses**

- Drainage Planning & Management
- Agriculture Soils Mapping
- Flood Insurance
- Surveying & Mapping
- Forest analytics
- Development Site Location Analysis
- Economic Development
- Site Location



The 2009– 2016 Elevation Base Mapping Program \$621,175 in State Funding

Leveraged Over \$4.6 m in Federal Funds

#### **Program Benefits:**

- $\Rightarrow$  1' Contour Data
- $\Rightarrow$  1m Digital Elevation Models
- ⇒ Reduced Development Costs
- $\Rightarrow~$  Faster Permitting Review.

#### Maine Elevation Program by the Numbers

Expected Annual benefits	\$ 4.73 m
Total Estimated Cost	\$10.85 m
Payback	2.3 years
Source: National Enhanced Elevation Assessment U.S.	

Source: National Enhanced Elevation Assessment Geological Survey

# **TESTIMONIALS**

"The Statewide LiDAR Basemap data collected so far has already been utilized enabling research on forest harvest operations, inventory, growth & yield, wildlife habitat and more. Having this data for the entire State is urgently needed for landscape wide analysis critical to understanding Maine's valuable forest resource."

> Dr. Brian Roth Acting Director Cooperative Forest research Unit University of Maine

"Maine Coast Heritage Trust and our partners in the land trust community rely on accurate spatial data in every stage of our work from conservation planning to managing our preserves. Specifically, we use Lidar data from the State to inform our trail designs and better understanding the scenic value of conservation projects. Lidar-derived elevation data is also particularly important as we consider the impacts of storms and sea-level rise on coastal habitat and communities."

> Tim Glidden, President Maine Coast Heritage Trust

"As consultant engineers, the LiDAR 2-foot contour data obtained from the Maine Office of GIS has proved to be an invaluable resource for initial project planning, application preparation, flood hazard analysis and drainage design"

> Michael P. Peverett, PLS Project Surveyor Civil Consultants

"The widespread availability of reliable and accurate LIDAR data through large portions of Maine and New England allows our Maine firm to compete on a national and local stage. It can considerably reduce the cost to clients for topographic mapping associated with land development, permitting, and flood studies. Overall, it provides meaningful support for economic development in those areas where the data is currently available."

> Mark Adams, President/CEO Sebago Technics, Inc.

Having publicly available, high quality digital elevation data and aerial imagery is critical for us to be able to provide deliverables that are both accurate and cost-effective for our clients.

> Michael P. Hross Engineer, Ecological Services

For More Information Contact: Joseph Young The Maine Library of Geographic Information Maine Office of GIS 207.624.5394 www.maine.gov/geolib/onemap.html