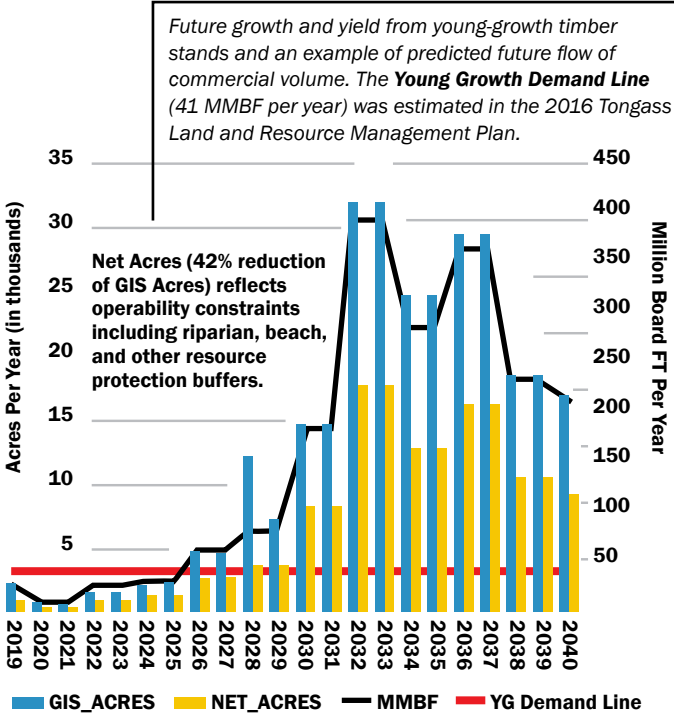
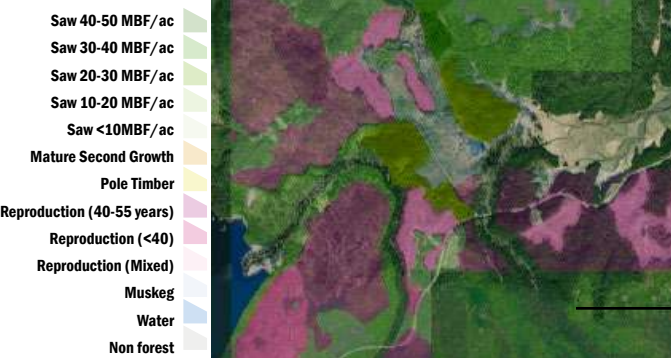


| Timber Type Key |                    |                                |
|-----------------|--------------------|--------------------------------|
| RA              | Alder dominant     | 75% Alder                      |
| SS              | Spruce dominant    | >60% Spruce                    |
| WH              | Hemlock dominant   | >75% Hemlock                   |
| CD              | Strong cedar       | >40% Red and Yellow cedar      |
| HS              | Spruce-Hemlock mix | SS and WH in other proportions |
| CX              | Mixed species      | Other combinations             |
| .....           |                    |                                |
| 4               | Large size         | >95 ft height of overstory     |
| 3               | Medium size        | 70-94 ft height of overstory   |
| 2               | Small size         | 45-69 ft height of overstory   |
| 1               | Saplings           | 15-44 ft height of overstory   |
| 0               | Regen              | 0-14 ft height of overstory    |
| .....           |                    |                                |
| 3               | Well stocked       | 70-100% Crown closure          |
| 2               | Mostly stocked     | 40-69% Crown closure           |
| 1               | Poorly stocked     | 10-39% Crown closure           |
| 0               | Non-Forest         | <10% Crown closure             |

Young-growth forest inventory data is used to create new forest planning tools for Tongass and Southeast State Forest managers. [Learn more at bit.ly/3h3VMWT](https://bit.ly/3h3VMWT).



### AK State Inventory Polygons



**Division of Forestry inventory** crews collected field data from more than 1,200 sample plots located on State lands in Southern SE (SSE) Alaska. The Division used inventory results to create a new timber stand map and to update the Annual Allowable Cut for State lands in SSE Alaska. [Learn more at bit.ly/3xcMLQP](https://bit.ly/3xcMLQP).

Understanding the predicted future flow of young-growth timber volume over time enhances the ability of Tongass managers to more efficiently identify and plan future young-growth projects and timber sales to meet forest management objectives.



### Continuing to Advance the Tongass Transition

Through this effort the Forest Service and Alaska Division of Forestry worked with 28 partners and implemented Tongass Advisory Committee recommendations to help transition the Tongass to a young-growth forest economy.

The stakeholders in this effort propose to focus attention on the below areas if resources and funding are made available. This will leverage the strong working relations that have been built over the last five years.

### Map, Analyze and Describe Young-Growth across Ownerships

This project's goal is to provide a better understanding of young-growth forest resources to Public, Trust, and Alaska Native Corporation landowners in SE Alaska. It also highlights opportunities for restoration and climate mitigation, and informs industry of regional opportunities related to young-growth management, harvesting and manufacturing.

### Tongass Transition Collaborative & All-Landowners Group

A broad spectrum of SE Alaska stakeholders are working toward a young-growth forest economy through production and management of sustainable woody biomass for forest products and wood energy across all forest ownerships. Climate mitigation, coordinated use of infrastructure, market and product feasibility studies, and new pilot projects are priorities.

### Continued Workforce Development

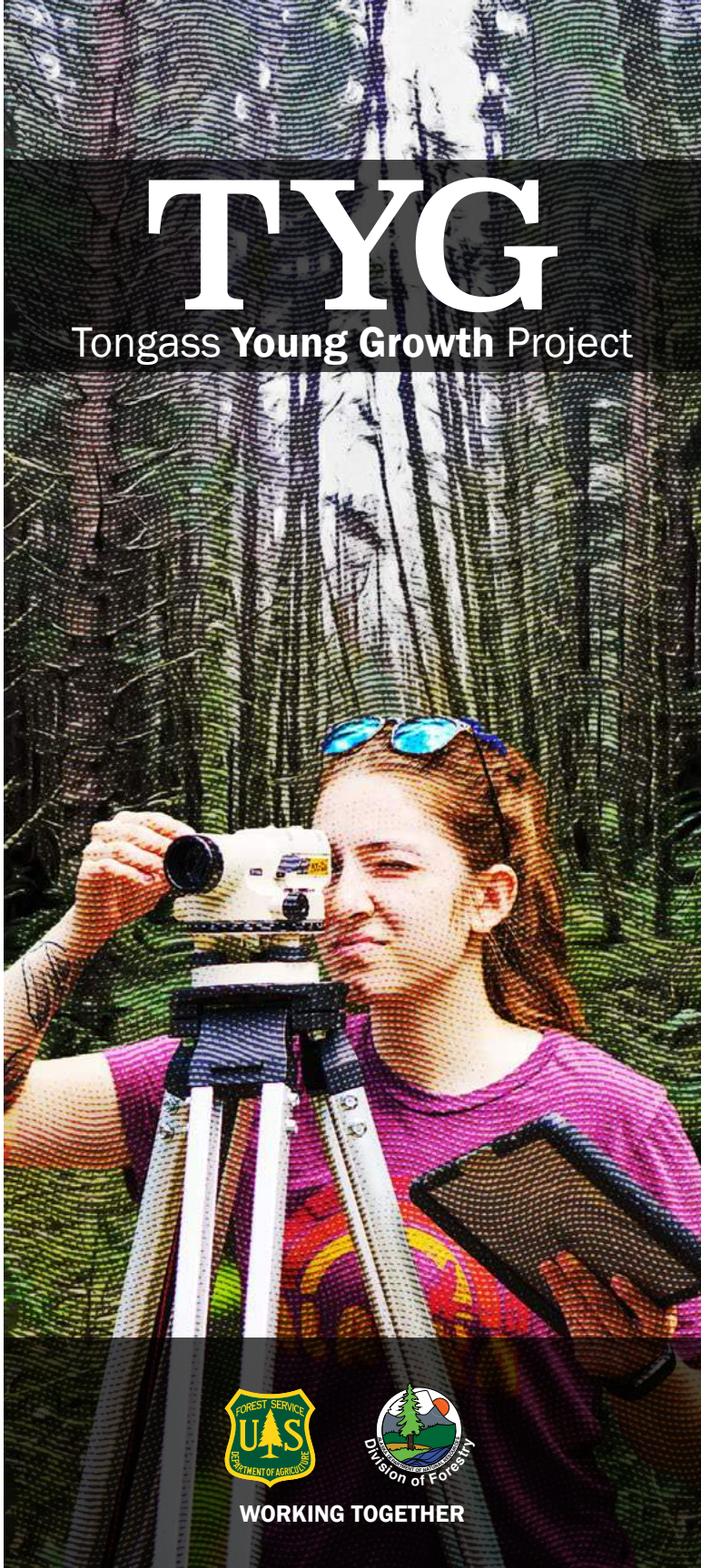
Training across natural resource fields and disciplines, and employment of local Alaskans serves local communities and lands on which they depend, while providing regional landowners and managers with a skilled local workforce.

### PROJECT AGENCIES/PROJECT PARTNERS

- USFS Tongass National Forest • USFS State and Private Forestry • Alaska Division of Forestry • Alaska Division of Economic Development • Alaska Division of Mining, Land and Water • Kai Environmental Consulting Services, LLC • Southeast Alaska Resources • Alaska Forest Association • Meridian Institute • Forest Biometrics Research Institute • Terra Verde, Inc. • Haa Aani Community Development Fund • The Nature Conservancy • Spruce Root • University of Oregon • University of Alaska Southeast • University of Alaska Statewide Office of Land Management • Tatoosh School • POW Vocational and Technical School • Hanson Maritime • Sitka Conservation Society • POW Landscape Assessment Team • Hydaburg Cooperative Association • Organized Village of Kasaan • The Daniyel Group • Southeast Conference • City of Tanana • Alaska Mental Health Trust Land Office • US Geological Survey Natural Resources Conservation Service

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# TYG

## Tongass Young Growth Project



WORKING TOGETHER



TRAINING THE NEXT GENERATION OF NATURAL RESOURCE MANAGERS



Agency staff collaborated with workforce development partners to train rural Alaskans in procedures to collect important young-growth forest resource data and information. Find out more at [bit.ly/2UR7awL](https://bit.ly/2UR7awL)



**The Aquatics Resources Academy** trained local residents in techniques used to survey, map and classify streams according to various stream attributes, including the presence of resident or anadromous fish species.

COLLECTING FOREST RESOURCE INVENTORY DATA AND INFORMATION

Newly trained, local Alaskans were hired to work in field crews to collect a variety of valuable forest resource data and information.

[Learn more at bit.ly/3qH1n8U.](https://bit.ly/3qH1n8U)

**The Forestry Academy** trained local residents in forest inventory procedures including tree species identification and methods for obtaining and recording young-growth timber stand data and individual tree height and diameter measurements.

Over three field seasons, Division of Forestry young-growth forest inventory crews hiked to and collected data from more than 12,000 sample plots covering over 31,000 acres of young-growth forest stands age 55 years and older. Forest Service check cruisers verified the accuracy of the field data.



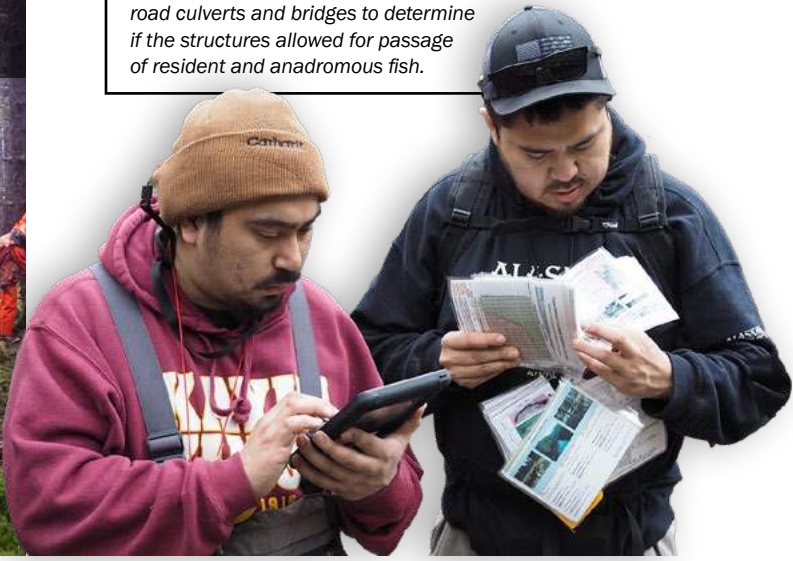
**Vegetation Dominance Typing Key**  
Map Unit                      Map Unit Symbol

|  |       |
|--|-------|
| Developed                                | DEV   |
| Water                                    | WA    |
| Barren/Sparse Vegetation                 | BR/SV |
| Sitka Spruce                             | SS    |
| Mountain Hemlock Mix                     | MHmix |
| Western Hemlock                          | WH    |
| Dwarf Conifer                            | DC    |
| Cedar                                    | CE    |
| Mixed Conifer                            | MC    |
| Spruce_Hemlock                           | SS-WH |
| Mixed Species                            | MS    |
| Unnamed Conifer                          | UC    |
| Red Alder                                | RA    |
| Cottonwood                               | CW    |
| Sitka Spruce-Cottonwood                  | SS-CW |
| Sitka Spruce-Alder                       | SS-RA |
| Undetermined mix of conifer and hardwood | UHC   |
| Alder Shrub                              | AS    |
| Tall Shrubs                              | TS    |
| Low Shrubs                               | LS    |
| Aquatic Herbaceous                       | AHB   |
| Wet Herbaceous                           | WHB   |

**The U.S. Forest Service** used tree and vegetation measurement data collected by the field inventory crews to refine computer modeled vegetation types in the process of creating a new vegetation classification map covering all land ownerships on Prince of Wales Island. [Learn more at bit.ly/36b36tm.](https://bit.ly/36b36tm)

**The Nature Conservancy and Division of Forestry** field crews collected tree and vegetation measurements from 249 sample plots to calibrate LIDAR data that was then used to model and map forest and other vegetation types.

**A U.S. Forest Service fisheries technician and the HCA Stream Survey Crew** together completed 37 miles of new stream surveys in 25 conceptual young-growth units, and examined 80 individual road culverts and bridges to determine if the structures allowed for passage of resident and anadromous fish.



TAKING THE MEASURE

Agency and project partner forest inventory crews collected vegetation measurements in the field to calibrate new LiDAR data. Learn more at [bit.ly/3jAEwua](https://bit.ly/3jAEwua).

This new data was used to refine vegetation modeling and produce new GIS vegetation maps, including a new map covering Prince of Wales Island.

