



Forest Service
U.S. DEPARTMENT OF AGRICULTURE

Alaska Region | R10-UN-017 | April 2023



Alaska Region New Employee Handbook



ALASKA'S NATIONAL FORESTS
where **Nature, People, & Tradition**
come together

Alaska Region New Employee Orientation

R10-UN-017

April 2023



FOREST SERVICE MAP
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Longitude west from Greenwich



Albers Equal Area Projection Central Meridian 149° West



**THIS IS
WHO
WE ARE**

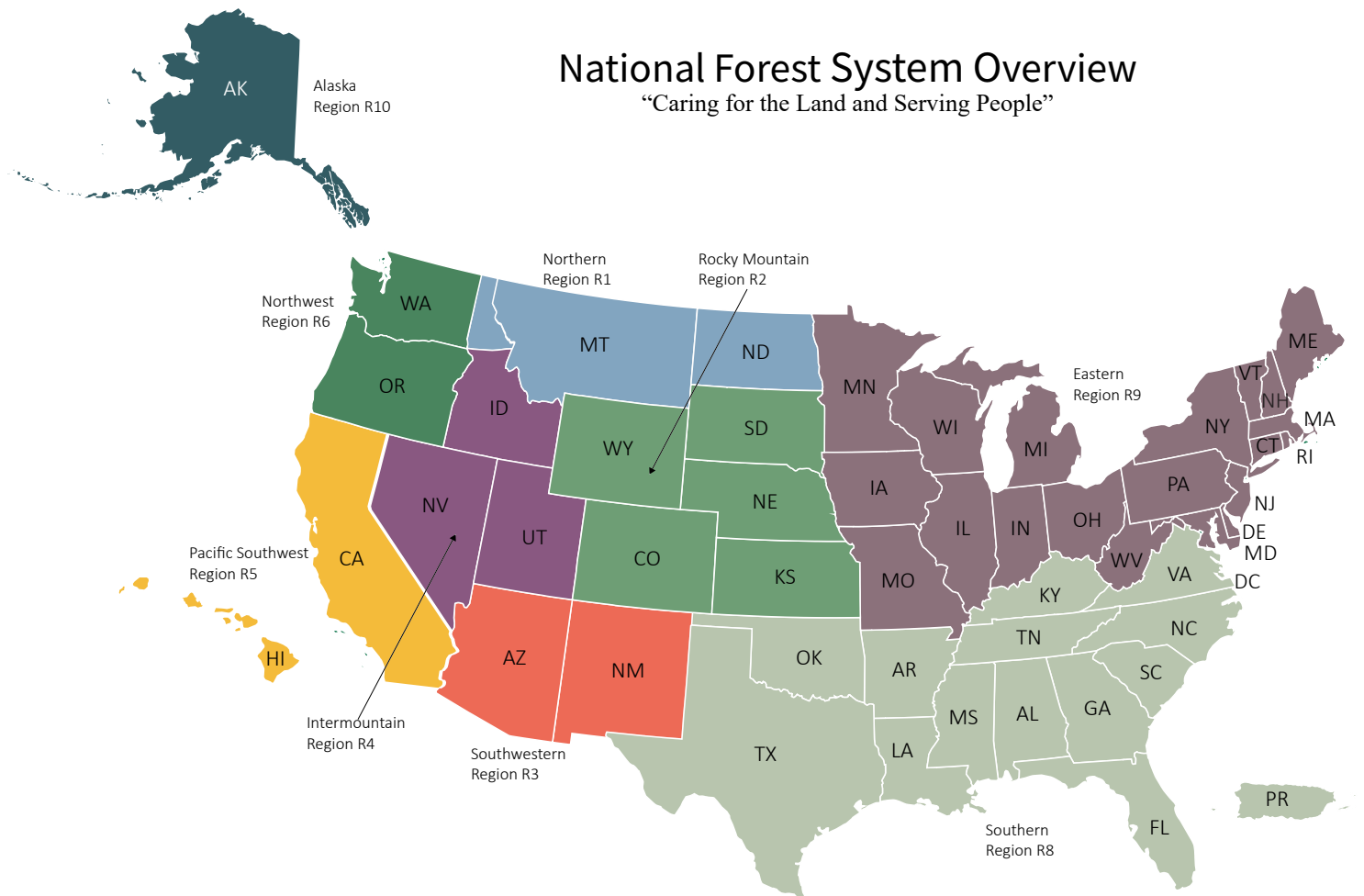


Table of Contents

National Forest System Overview	2	Regional Office	26
Regional Forester's Welcome	3	Regional Leadership Team	26
Alaska's National Forests Organization	4	Civil Rights	26
Regional Leadership Team (RLT)	5	Conflict Management and Prevention Center	26
Common Geographic Icons	6	Ecosystem Planning and Information	
Common Place Names	6	Management	27
Alaska Tribal Nations	6	Engineering and Aviation Management	28
Common Acronyms	7	Fire and Fuels	30
Chugach National Forest	8	Natural Resources	31
Forest Office Locations	11	Occupational Health and Safety	33
Forest Supervisor's Office	11	Office of Partnership and Public Engagement	33
Cordova Ranger District	11	Procurement and Property Services	34
Glacier Ranger District	12	Public Affairs	34
Seward Ranger District	12	Recreation, Lands, and Minerals	35
Visitor & Information Centers	13	State, Private and Tribal Forestry	38
Begich, Boggs Visitor Center	13	Strategic Priorities and Budget	38
Crooked Creek Information Site	13	Tribal Government Relations	38
Iditarod National Historic Trail	13	RLT Partners	39
Notable Work Locations	14	Human Resources	39
Copper River Delta	14	Law Enforcement and Investigations	39
Russian River	14	The Office of General Counsel	39
Whittier Tunnel	14	Pacific Northwest Research Station	40
Prince William Sound	15	Region and Forest Directory	42
Tongass National Forest	16	Social Media links	42
Forest Office Locations	19		
Forest Supervisor's Office	19		
Admiralty Island National Monument and			
Admiralty Island National Monument			
Kootznookoo Wilderness	19		
Craig/Thorne Bay Ranger Districts	20		
Hoonah Ranger District	20		
Juneau Ranger District	20		
Tracy Arm-Ford's Terror Wilderness	21		
Ketchikan Misty Fjords Ranger District	21		
Misty Fjords National Monument and			
Misty Fjords National Monument Wilderness	21		
Petersburg Ranger District	22		
Sitka Ranger District	22		
Wrangell Ranger District	22		
Yakutat Ranger District	23		
Visitor & Information Centers	23		
Mendenhall Glacier Visitor Center	23		
Southeast Alaska Discovery Center	23		
Notable Work Locations	24		
Stikine-LeConte Wilderness	24		
Hubbard Glacier & Russel Fiord	24		
Situk River	24		
Bear Viewing Work Locations	25		

National Forest System Overview

“Caring for the Land and Serving People”



The National Forest System is comprised of 154 National Forests, 20 National Grasslands, as well as special areas such as Experimental Forests & Ranges, and Research Natural Areas covering 193 million (192,994,069) acres of National Forest System land.

The Forest Service manages the National Forests and Grasslands for sustainable multiple uses to meet the diverse needs of people, ensure the health of our natural resources, provide recreational opportunities, manage wildfire, guard against invasive threats, and work with state and private forest landowners, cities and communities, and international cooperation.

Forests

The Forest Service stewards an impressive portfolio of landscapes across 193 million acres of National Forests and Grasslands in the public trust. The agency's top priority is to maintain and improve the health, diversity, and productivity of the nation's forests and grasslands to meet the needs of current and future generations.

Minerals and Geology

The Forest Service manages its mineral and geology program to provide commodities for current and future generations along with the need to sustain the long-term health and biological diversity of ecosystems.

Plants

Native plants are valued for their economic, ecological, genetic, and aesthetic benefits. Using native plant material in vegetation projects maintains and restores native plant gene pools, communities, and ecosystems, and can help reverse the trend of species loss in North America.

Rangelands

Rangelands in the United States are diverse lands. They are the wet grasslands of Florida and the desert shrub ecosystems of Wyoming. They include the high mountain meadows of Utah and the desert floor of California.

Recreation

Providing the greatest diversity of outdoor recreation opportunities in the world means working to balance the desires of recreationists while ensuring future generations have the same access.

Restoration

Restoration is helping nature recover from degradation, damage and destruction. The goal is to re-establish a balance of nature needed for air, water, plants and animals to thrive.

Water

Water is one of the most important resources flowing from national forests and grasslands, providing drinking water to more than 180 million people.

Wildlife and Fish

Our work includes restoring aquatic organism passage, stream habitat, and floodplains; enhancing lake productivity; restoring habitat for a vast array of wildlife species from hummingbirds and bighorn sheep to spotted frogs and black bears; and connecting people to the outdoors.



Regional Forester's Welcome

Welcome to Alaska

It is always a great pleasure for me to welcome new employees to the Forest Service – Alaska Region – a land of extremes where massive Sitka spruce create cathedral-like forests; frigid blue glaciers grind their way through mountains; humpback whales frolic in the waters

encircling the forests; and bears, eagles and salmon are plentiful.

The beauty and bounty of Alaska's two national forests - the Chugach and Tongass - draw attention from around the nation and around the world. And now, you are a part of this wonderment. It is so fitting that our Alaska Region theme is: Alaska's National Forests- where nature, people, and tradition come together.

Welcome to the Team

You join upwards of 600 people who work with the public to manage more than 23 million acres of their public lands in Southcentral and Southeast Alaska. We are a leader in protecting the land's bounty while providing a place for people to live, work and play.

The Chugach National Forest makes a 210-mile arc around Prince William Sound, with the state's largest city, Anchorage, as an access point. It has three ranger districts and is home to Seward, Cordova, Valdez and countless other communities.

The Tongass National Forest stretches the 500-mile length of the Alaska Panhandle and encompasses more than 80 percent of the

land in Southeast Alaska. It has 10 ranger districts and is home to the cities of Juneau, Sitka, Ketchikan, Petersburg, and numerous other communities located in this vast temperate rain forest.

Welcome to your Forest Service Career

Whatever your role is as a new Alaska Region employee, you will be a part of a team that is Value based, Purpose driven, and Relationship focused.

Our mission is to sustain the health, diversity, and productivity of the Nation's forests and grasslands to meet the needs of present and future generations. Our motto is "Caring for the Land and Serving People."

In the Alaska Region, you will be introduced to healthy, functioning ecosystems and abundant resources that provide global benefits.

From a natural laboratory for studying changing climates and lands and resources that support economic prosperity, to unparalleled recreational opportunities, you will be a welcomed addition as we continue to maintain these benefits through the work of all our dedicated and skilled employees, shared stewardship, community connections and strong partnerships.

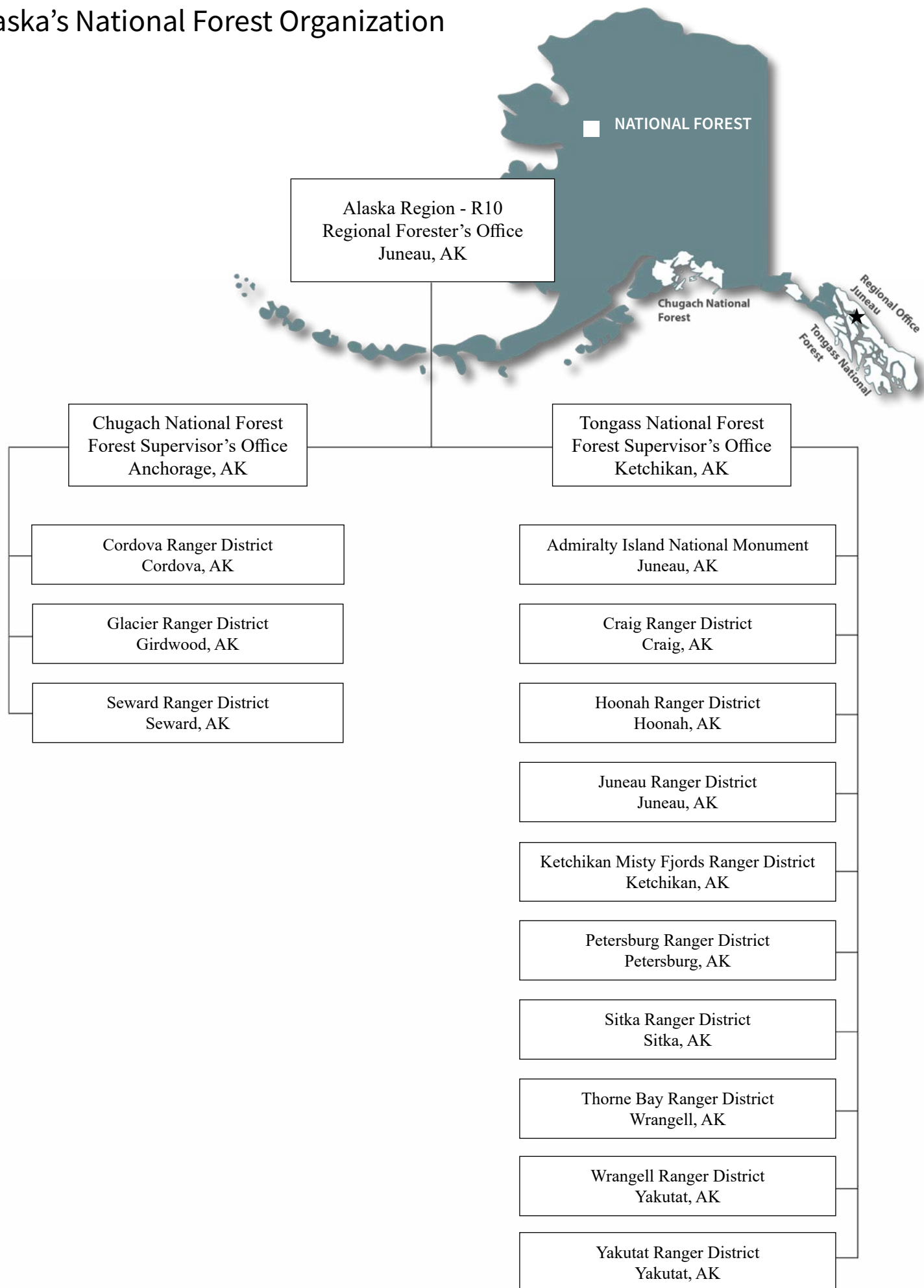
Those who make the last frontier their home, particularly Indigenous cultures, feel a deep and spiritual connection to the land. We can leave this legacy for future generations by ensuring the region thrives ecologically, economically and culturally.

- David E. Schmid, Regional Forester



Photo courtesy of Ron Niebrugge

Alaska's National Forest Organization



Regional Leadership Team (RLT)

The Alaska Region – Regional Leadership Team (RLT) is a dynamic group of exceptional Forest Service employees who bring decades of knowledge and experience into a circle of trust that allows them to face the special opportunities and challenges – together – that are truly unique to Alaska and the Tongass and Chugach National Forests.

By working closely and collaboratively guided by regional priorities, a strategically managed budget and a streamlined workforce, these program leads, and partners stay connected at all levels, meeting quarterly to march forward in ensuring Region 10 continues to honor its regional theme: *Alaska's National Forests - where nature, people and tradition come together.*

Office of the Regional Forester

Regional Forester (RF)
Juneau, Alaska

Deputy Regional Forester (DRF)
Juneau, Alaska

Senior Advisor to the Regional Forester
Senior Advisor | Juneau, Alaska

Tribal Relations (TR)
Manager | Juneau, Alaska

National Forests

Chugach National Forest (CNF)
Forest Supervisor | Anchorage, Alaska

Tongass National Forest (TNF)
Forest Supervisor | Ketchikan, Alaska

Tongass National Forest (TNF)
Deputy Forest Supervisor | Ketchikan, Alaska

Directors/Deputy Directors

Ecosystem Planning, & Information Management (EPIM)
Director | Juneau, Alaska

Engineering & Aviation Management (EAM)
Director | Juneau, Alaska

Fire & Fuels, R6/R10 (FF)
Director | Portland, Oregon

Natural Resources (NR)
Director | Juneau, Alaska

Office of Partnerships and Public Engagement (OPPE)
Director | Juneau, Alaska

Occupational Health & Safety (Safety)
Manager | Juneau, Alaska

Public Affairs and Communications (PAO)
Director | Juneau, Alaska

Recreation, Lands, Minerals (RLM)
Director | Juneau, Alaska

Recreation, Lands, Minerals (RLM)
Deputy Director | Juneau, Alaska

State & Private Forestry, R6/R10 (SPF)
Director | Portland, Oregon

State, Private & Tribal Forestry, R10 (SPTF)
Deputy Director | Anchorage, Alaska

Strategic Priorities & Budget (SPB)
Director | Juneau, Alaska

RLT Partners

Civil Rights, R6/R10/PNW (CR)
Liaison | Portland, Oregon

Employee Relations, R6/R10 (ER)
Liaison | Portland, Oregon

Labor Relations, R6/R10 (LR)
Liaison | Portland, Oregon

Human Resources (HR)
HR Officer | Sitka, Alaska

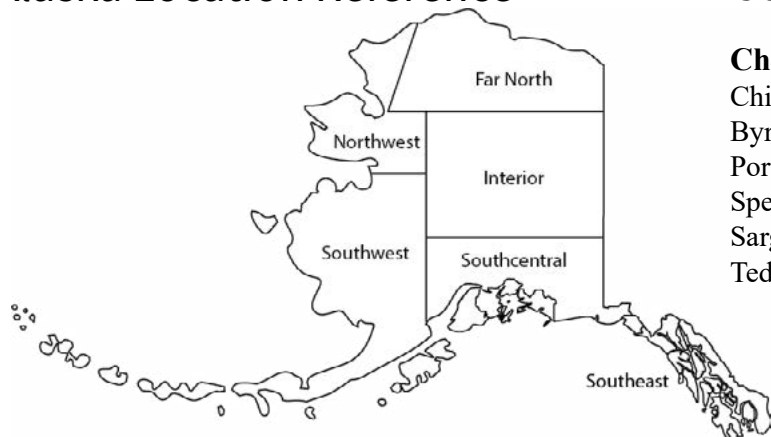
Law Enforcement & Investigations (LEI)
Special Agent in Charge | Juneau, Alaska

National Federation of Federal Employees (NFFE)
Local 251 | Juneau, Alaska

Office of the General Counsel (OGC)
Asst. Regional Attorney | Juneau

Pacific Northwest Research Station (PNW)
Director | Juneau, Alaska

Alaska Location Reference



Common Geographic Icons

Chugach National Forest

Childs Glacier
Byron Glacier
Portage Glacier
Spencer Glacier
Sargent Icefield
Ted Stevens Icefield

Tongass National Forest

El Capitan Cave
LeConte Glacier
Mendenhall Glacier
New Eddystone Rock
Juneau Icefield

Common Place Names

Southcentral / Chugach National Forest

Anchorage
Blackstone Bay
Cooper Landing
Copper River Delta
Cordova
Girdwood
Harriman Fiord
Kenai Peninsula
Montague Island
Nellie Juan-College Fiord Wilderness Study Area
Placer River
Portage Valley
Russian River
Seward
Turnagain Arm / Turnagain Pass
Valdez
Spencer Glacier Whistle Stop

Southeast / Tongass National Forest

Admiralty Island
Alexander Archipelago
Angoon
Anan
Auke Bay
Baranof Island
Chichagof Island
Chief Shakes Hot Springs
Chuck River Wilderness
Cleveland Peninsula
Craig
Hoonah
Hyder
Gravina Island
Juneau
Kasaan
Ketchikan

LeConte Bay
Misty Fjords
Mitkof Island
Pack Creek
Petersburg
Prince of Wales Island
Revillagigedo Island
Sitka
Situk River
Stikine River
Thorne Bay
Tracy Arm-Fords Terror
Petersburg
Woronkofski Island
Wrangell
Wrangell Narrows
Yakutat
Zarembo Island

Alaska Tribal Nations

Southcentral Alaska Federally Recognized Tribes

Chenega IRA* Council
Chickaloon Native Village
Native Village of Eklutna
Native Village of Eyak
Kenaitze Indian Tribe
Knik Tribal Council
Nanwalek IRA* Council
Ninilchik Traditional Council
Port Graham Village Council
Salamatoff Tribal Council
Seldovia Village Tribe
Tatitlek Village IRA* Council
Qutekcak Indian Tribe

**Indian Reorganization Act of 1934*

Southeast Alaska Federally Recognized Tribes

Angoon Community Association
Central Council of the Tlingit & Haida Indian Tribes of Alaska
Chilkat Indian Village
Chilkoot Indian Association
Craig Tribal Association
Douglas Indian Association
Hoonah Indian Association
Hydaburg Cooperative Association
Organized Village of Kake
Organized Village of Kasaan
Ketchikan Indian Community
Klawock Cooperative Association
Metlakatla Indian Community
Petersburg Indian Association
Organized Village of Saxman
Sitka Tribe of Alaska
Skagway Traditional Council
Wrangell Cooperative Association
Yakutat Tlingit Tribe

Common Acronyms

This is an abbreviated listing of acronyms and abbreviations you may encounter in Forest Service documents and publications or websites, or those materials (e.g., correspondence) that may have impact on your work or situation, whether you're a scientist, wildlife biologist, administrative assistant, etc.

Region

RLT	Regional Leadership Team
RO	Regional Office
CR	Civil Rights
EPBIM	Ecosystems Planning and Information Management
EAM	Engineering and Aviation
FF	Fire and Fuels
PAO	Public Affairs Office
PPS	Procurement and Property Services
RLM	Recreation, Lands, and Minerals
Safety	Occupational Health and Safety
SPTF	State, Private and Tribal Forestry
TR	Tribal Relations

Regional Partners

HR	Human Resources
LEI	Law Enforcement and Investigations
OGC	Office of the General Counsel
PNWRS	Pacific Northwest Research Station

Forests

CNF	Chugach National Forest
FLT	Forest Leadership Team
NF	National Forest
RD	Ranger District
SO	Supervisor's Office
TNF	Tongass National Forest

Ecosystem Planning

ANCSA	Alaska Native Claims Settlement Act
ANILCA	Alaska National Interest Lands Conservation Act
BMP	Best Management Practice
CE	Categorical Exclusion
DEIS	Draft Environmental Impact Statement
DM	Decision Memo
DN	Decision Notice
EA	Environmental Assessment
EADM	Environmental Analysis and Decision Making
EIS	Environmental Impact Statement
ESA	Endangered Species Act
FEIS	Final Environmental Impact Statement
FOIA	Freedom of Information Act
FONSI	Finding of No Significant Impact
NEPA	National Environmental Policy Act
NFMA	National Forest Management Act
NFS	National Forest System
NMFS	National Marine Fisheries Service
NOI	Notice of Intent
ROD	Record of decision
SUP	Special Use Permit

Information Management

CIO	Chief Information Office
ESRI	Environmental Systems Research Institute
FACTS	Forest Activity Center
GIS	Geographic Information System
GSTC	Geospatial Services and Technology Center
IM	Information Management
IRM	Information Resource Management
LMR	Land Mobile Radio
NRIS	Natural Resource Information System
NRM	Natural Resources Management
TIM	Timber Information Management Software

Fire

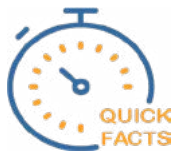
AFMO	Assistant Fire Management Officer
FF	Fire and Fuels
FMO	Fire Management Officer
NICC	National Interagency Coordination Center
NIFC	National Interagency Fire Center
PIO	Public Information Officer

State & Private Forestry

FHP	Forest Health Protection
FIA	Forest Inventory Analysis

Other Departments and Agencies

DOI	Department of Interior
BIA	Bureau of Indian Affairs
BLM	Bureau of Land Management
BOEM	Bureau of Ocean Energy Management
BOR	Bureau of Reclamation
NOAA	National Oceanic and Atmospheric Administration
OSMRE	Office of Surface Mining Reclamation and Enforcement
NPS	National Park Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UDC	Department of Commerce
EDA	Economic Development Administration
NOAA	National Oceanic and Atmospheric Administration
USDA	United States Department of Agriculture
ARS	Agricultural Research Service
ERS	Economic Research Service
FSA	Farm Service Agency
FS	Forest Service
NFS	National Forest System
NRCS	Natural Resources Conservation Service
NRE	Natural Resources and Environment
OC	Office of Communications (FS)
OSEC	Office of the Secretary (USDA)
RD	Rural Development
WO	Washington Office (FS)



Chugach National Forest Quick Facts

- Approximately 5.4 million acres.
- Is the farthest north and west of all U.S. national forests.
- Home to all five North American species of Pacific salmon: king, red, silver, chum, and pink.
- Produces 13 percent of the commercial salmon harvested from Alaska.
- Forty-one public use cabins.
- More than 500 miles of trails including the Iditarod National Historic Trail.
- Approximately 1.6 million acres are covered in ice.



Chugach National Forest

A Forest of Rock & Ice

The 5.4 million-acre Chugach National Forest's stunning landscape stretches across southcentral Alaska, from the salty waters and snowy peaks of Prince William Sound to the fabulous salmon and trout streams of the Kenai Peninsula, covering an area the size of New Hampshire. It is one of the few places left in the world where glaciers still grind valleys into the hard rock of the earth.

One of the first forest reserves created by a presidential proclamation in 1892 was located in Alaska. This reserve was later to become the Chugach National Forest in 1907. By 1911, railroads were providing access to the area's copper mines.

Its geographic diversity is unique among national forests. The three distinct landscapes of the Copper River Delta, the Eastern Kenai Peninsula, and Prince William Sound are destinations for adventurers and nature enthusiasts from the world over and are once-in-a-lifetime destinations for a million visitors each year. You'll find a special place here, camping with family and friends, cruising the sound, or watching a million shorebirds. You'll see Alaskans living and working in the national forest. They are guiding visitors on kayak adventures, working gold claims, commercial fishing for Copper River reds, and following a traditional way of life.

Rocked by Earthquakes

This is a richly disturbed land as the Earth's plates collide in a geologic push and shove. On March 27, 1964, one of the most powerful earthquakes ever recorded in North America shook the area in and around the Chugach National Forest. The earthquake uplifted land as much as 20 feet, shook buildings to their foundations, and flooded villages with its massive tsunami. Dead trees, killed by encroaching salt water, are still visible along Turnagain Arm east of Anchorage; sentinel reminders of the fury of the event.

Carved by Glaciers

Above 2,000 feet, the alpine tundra snow contributes to the ice that carves the valleys. Famous glaciers like Harriman, Childs, and Columbia grind their way through the Chugach National Forest to the sea. Other glaciers like Harvard and Portage or Dirty and Surprise are scattered throughout the forest.

Vast icefields on state, private, and federal lands feed the glaciers, creating a profound solitude unimaginable outside of Alaska. This is solitude where people enter only by hiking, flying, or snowmachining.

Where the ice melts, river systems form with amazing deltas that fan across the landscape. Frigid, freshwater lakes and streams dot the map before reaching sloughs and estuaries, and then salt water.

On the edges of Prince William Sound, abundant rain and snow nurture a hushed forest of spongy moss, western hemlock, and straight-growing Sitka spruce. Although the Kenai Peninsula has vegetation like interior Alaska, it also supports thousands of acres of birch, aspen, white spruce, and black spruce. The forest has experienced recent years of infestations by the native spruce bark beetle. The beetle has killed thousands of acres of trees on state, private, and federal lands.

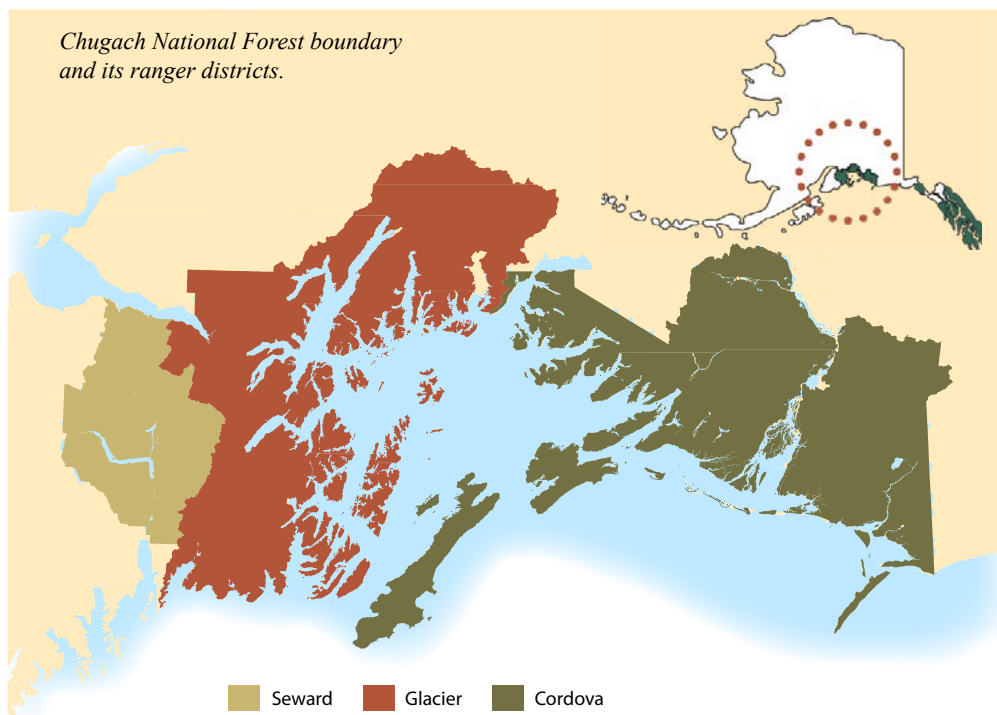
A Wildlife Mecca

The enormous wetlands of the Copper River Delta near Cordova serve as nesting, staging, and feeding habitat for more than 20 million birds each year. In summer, these wetlands support one quarter of the world's population of trumpeter swans and dusky Canada geese.

The diverse lands and waters of the Chugach National Forest provide habitat for many types of birds, including songbirds, shorebirds, and birds of prey. Fish and marine mammals, such as humpback whales, sea lions, and otters, swim through the waters and take advantage of the surrounding environment.

Western Sandpipers resting on the Copper River Delta during migration.





Mountain goats and Dall sheep traverse steep hillsides. The Chugach National Forest is the only national forest supporting a population of Dall sheep. Moose ramble their way through the Copper River Delta, and herds of caribou roam the Kenai Peninsula. Sitka black-tailed deer populate the islands in Prince William Sound. Black and brown (grizzly) bears inhabit most of the forest, foraging from the alpine slopes to the intertidal zones.

A Rich Culture

The Chugach National Forest is a melting pot of indigenous cultures. Chugach Eskimo, Eyak Indians, and Kenaitze and other Athabascan Indian peoples continue to live in their homeland. Today they continue traditions extending thousands of years into the past.

A Life Tied to the Land

Less than one third of the Chugach National Forest is readily accessible by road from Anchorage or Seward. Most of the forest and the communities of Cordova, Chenega, and Tatitlek are accessible only by plane or boat.

Today, many rural residents live a subsistence lifestyle, just as Alaska Natives have for centuries. Communities in and around Prince William Sound rely on fishing, tourism, and natural resources. Small gold-mining operations are scattered throughout the Chugach and Kenai Mountains.

The Portage Valley area is on the state's list of top tourist attractions. Each year, hundreds of thousands of people travel the Seward Highway All-American Road to visit the valley and the award-winning Begich, Boggs Visitor Center. Here they are treated to exhibits that interpret Prince William Sound and the Chugach National Forest's spectacular views of valley glaciers, an iceberg-filled lake, multiple trails, and opportunities for salmon viewing during salmon spawning season.

Other visitors come to attend shorebird festivals or to lure salmon out of the Kenai Peninsula's Russian River. In winter,

snowmachining, heli-skiing, and dogsledding are prime activities for residents and visitors.

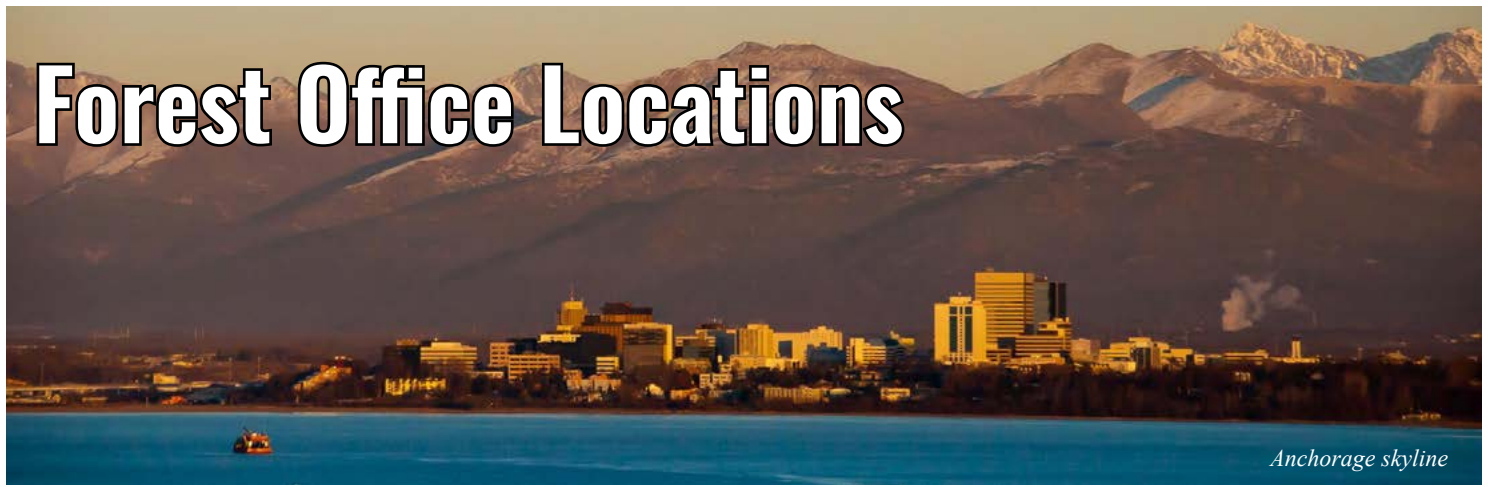
The weather on the Chugach National Forest varies greatly. A sunny day in Anchorage might turn rainy and foggy after just a short drive along Turnagain Arm. Near Anchorage, the average high temperature for January is 22 °F (-5 °C). By July, the temperature can climb to 65 °F (18 °C).

Rainfall can average as little as 15 inches per year. However, in coastal communities of the Chugach National Forest, rainfall can exceed 160 inches per year.

Visitors traveling to the Chugach National Forest will find remarkable variations in day length. At the summer solstice, the area receives more than 20 hours of daylight. At the winter solstice in December, the sun sets at 3:45 p.m. after just a short six hours of daylight. The mountains, glaciers, ocean, and wetlands provide an almost unlimited variety of scenery for the people who live near the Chugach National Forest, and for those who visit the national forest and Prince William Sound.



The Seward Highway is recognized for its scenic, natural, historical and recreational values. The 127-mile Seward Highway holds triple designation: USDA Forest Service Scenic Byway, Alaska Scenic Byway, and All-American Road. Photo courtesy of www.dot.state.ak.us.

*Anchorage skyline*

Forest Supervisor's Office

The population of 298,190 (41 percent of the state's population) makes Anchorage Alaska's largest city. It's known for its cultural sites, including the Alaska Native Heritage Center, which displays traditional crafts, stages dances, and presents replicas of dwellings from the area's Indigenous groups.

The city is also a gateway to nearby wilderness areas and mountains including the Chugach, Kenai, and Talkeetna. With more than 60 glaciers within 50 miles of downtown Anchorage, a salmon stream in the heart of the city, six surrounding mountain ranges, 300 miles of wilderness trails, Anchorage has a lot to offer. The Chugach National Forest is within an hour's drive of Anchorage and a drive toward the forest means traveling along Turnagain Arm for an opportunity of an occasional beluga whale cameo. Anchorage is home to the Chugach National Forest Supervisor's Office.

Charles Lindemuth

*Front lobby of the Chugach National Forest Supervisor's Office.*

Cordova Ranger District Cordova

Cordova is home to the Cordova Ranger District and is accessible only by plane or boat, and is one of the ten most important commercial fishing ports in Alaska. Located on the eastern side of the Chugach National Forest, Cordova is a charming community of more than 2,400 people. It is nestled between Prince William Sound to the west and the wetlands of the Copper River Delta to the east.

Cordova was built as the terminus of the Copper River and Northwestern Railway that brought copper ore from the Kennecott Copper Mine to the north. After copper and gold mines closed in the late thirties, Cordova's main industry became commercial fishing and fish processing. Today, "Copper River kings and reds" are clamored for and acclaimed as some of the finest salmon commercially available.

TJ Holley

*Eagle-eye's view of Cordova.*

Glacier Ranger District

Girdwood

Just 30 minutes south of Anchorage, Girdwood is home to the luxurious Alyeska Resort. There, you can expect dozens of fun and entertaining festivals throughout the year and countless options for outdoor adventure in the gorgeous surroundings. Originally named Glacier City, Girdwood began as a supply camp for gold miners at the turn of the century. After the 1964 earthquake dropped the coast along nearby Turnagain Arm 10 feet, the town relocated 2.5 miles up the valley to its present location.

Today, Girdwood is a full-service community of 1,800 that attracts skiers in the winter, hikers in the summer and artists year-round. Alaskans and visitors alike are drawn to its fine restaurants, wide range of accommodations, and local culture.

Just south of Girdwood in Portage Valley, the Begich, Boggs Visitor Center provides an opportunity to learn about the Chugach National Forest through award-winning exhibits, educational presentations and the film *Retreat and Renewal: Stories from Alaska's Chugach National Forest*, and interactive Ranger led programs. The center is open from Memorial Day to Labor Day. The Girdwood Ranger District Office is located in Girdwood.

Ralph Radford



Pack rafters on Spencer Lake, Glacier Ranger District.

Irene Lindquist



A rainbow arches over the Seward Ranger District.

Seward Ranger District

Seward

Within its city limits, Seward has a population of about 2,600 people, with another 2,600 people living just beyond city boundaries. Seward is home to fjords, marine wildlife, icebergs, and crystal-blue waters. It is a progressive community that enjoys a beautiful and scenic natural Alaskan environment with numerous visitor attractions. The town offers day cruises, kayaking, fishing, abundant marine activities, and wildlife, and is the terminus for the Alaska Railroad. One of the easiest ways to explore the shores is from guided kayaking and canoeing tours.

Seward sits on the edge of Resurrection Bay, a deep fjord carved out by a glacier thousands of years ago. High above the town, almost 40 glaciers flow down from the Harding Icefield in the Kenai Mountains. A stop in Seward can combine road-accessible glacier views with day cruises, glacial kayaking, or trekking. Seward is mile zero of the Iditarod Trail - now called the Iditarod National Historic Trail. The Seward Ranger District Office is located on the Kenai Lake just north of Seward.

Begich, Boggs Visitor Center Portage Valley

The Begich, Boggs Visitor Center, located on the northern shore of Portage Lake on a terminal moraine of Portage Glacier, has state-of-the-art exhibits and an award-winning film to help visitors explore the climate, geography, people, and wildlife of the Chugach National Forest and Prince William Sound.

The Center is home to the Portage Valley Learning Center. This multi-purpose classroom addition to the visitor center is used primarily for educational programs by the conservation education staff, but the space can also provide opportunities for special events and other uses.

Having a classroom in the natural setting of the Chugach National Forest allows for a true conservation education opportunity. Students have the ability to travel outdoors to experience and learn about the forest firsthand.

Tom Iraci



Begich, Boggs Visitor Center

Alicia King



Crooked Creek Information Site.

Crooked Creek Information Site Valdez

Nestled at the head of Valdez Arm, the Crooked Creek Information Site is poised between the marine world of Prince William Sound and the forests of the mainland. The site features spawning chum and pink salmon, abundant waterfowl, and an occasional hungry black bear.

The Crooked Creek Information Site is a small, three-acre site which harbors a waterfall and a clear water stream where pink and chum salmon return each summer to spawn. Occasionally, black bears can be observed feasting on the returning fish. The first salmon generally appear in the stream by mid-July and are present through October.

Across the Richardson Highway, the intertidal wetlands of the Valdez “Duck Flats” provide staging habitat for a variety of migrating birds and provide nesting habitat for ducks and geese.

From Memorial Day to Labor Day, the Chugach National Forest staffs a small information site at Crooked Creek. Informational exhibits and Forest Service guides help visitors understand this fascinating area.

Iditarod National Historic Trail Crossing Glacier and Seward Ranger Districts

The Iditarod Trail is the only winter trail in the National Trails System and the only Congressionally designated National Historic Trail in Alaska. The Iditarod National Historic Trail system is comprised of a 1,000-mile main trail between Seward and Nome, and an additional 1,400 miles of side/connecting trails that link communities and historic sites or provide parallel route.

Most of the historic Iditarod Trail is located on public lands managed by the State of Alaska or federal agencies (although some segments pass over private lands). No one entity manages the entire historic trail - management is guided by a cooperative plan adopted in the mid-1980s. The federal Bureau of Land Management coordinates cooperative management of the trail and is the primary point of contact for matters involving the entire trail.

USDA Forest Service photo



A section of the Iditarod National Historic Trail.

Notable Work Locations

Copper River Delta Cordova Ranger District

Nestled between Prince William Sound to the west and the Bering Glacier to the east, the Copper River Delta is the largest continuous wetland on the Pacific Coast of North America.

Much of the wetland ecosystem is public land, managed by the Chugach National Forest. Recognizing the significance of the Copper River Delta to the fish and wildlife resources of Alaska, the 1980 Alaska National Interest Lands Conservation Act (ANILCA) stipulated that the delta be managed primarily for the “conservation of fish and wildlife and their habitats.” The richness of the bird populations makes the delta a focal point for the annual Copper River Delta Shorebird Festival held each spring during the height of the shorebird migration. In 1990, the Copper River Delta was designated as a Hemispheric Site in the Western Hemisphere Shorebird Reserve Network.

Charles Lovely



Aerial view of the Copper River Delta.

Photo courtesy of Ron Niebrugge



Sportfishing on the Russian River.

Russian River Seward Ranger District

Located on the very western boundary of the Chugach National Forest on the Kenai Peninsula, the Russian River supports the largest recreational sport fishery in the world.

The summer sockeye (red) salmon runs are the ones that draw the famous crowds. With a season that starts in early August and continues into late September, and is an opportunity to catch the “big one” (coho or silvers average between 10-12 lbs.) without all the crowds of summer.

There is also fall hiking on the Russian Lakes trail or camping at the Russian River and Quartz Creek campgrounds.

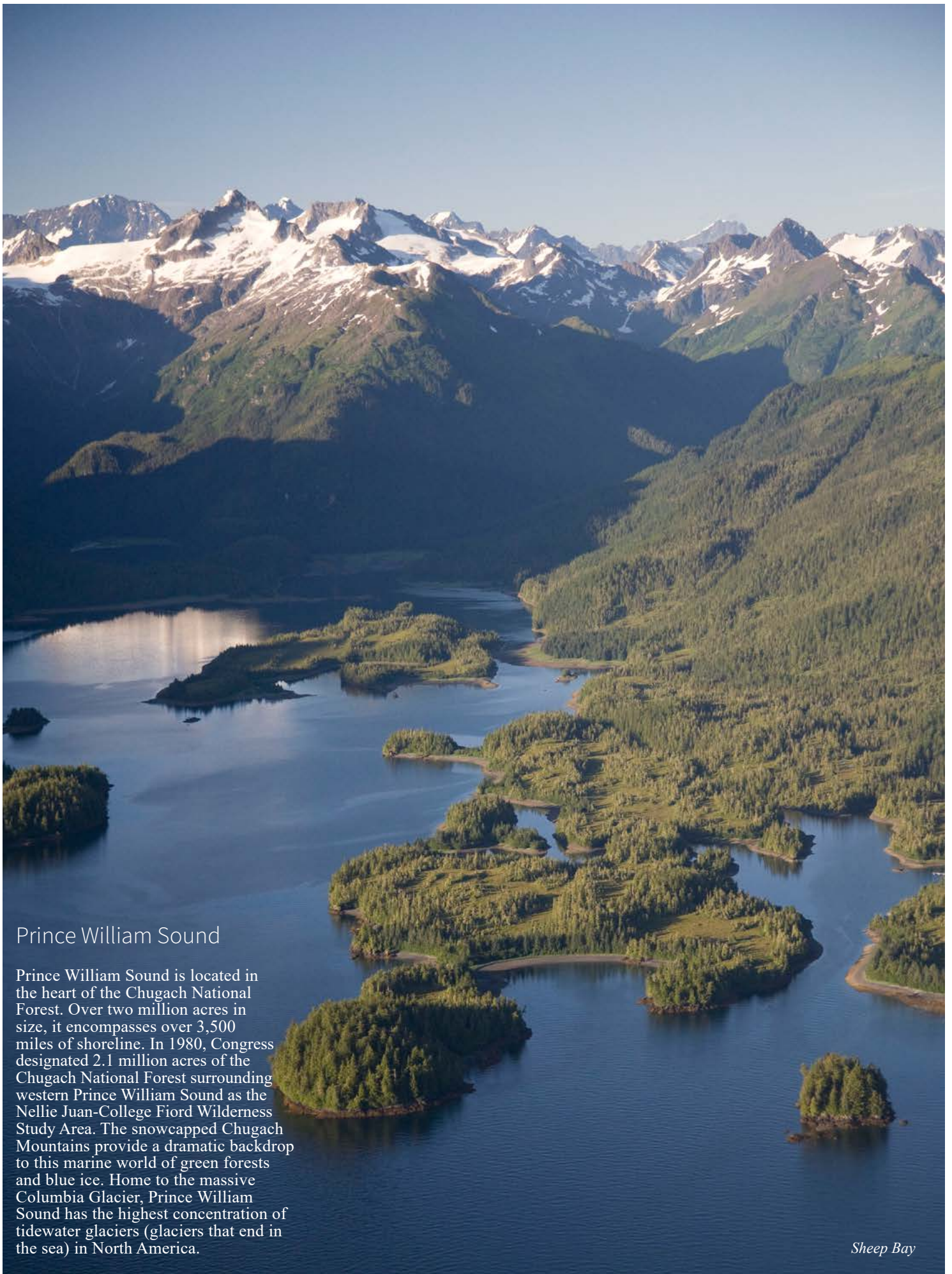
Whittier Tunnel Gateway to Prince William Sound

Formally named, Anton Anderson Tunnel, the Whittier Tunnel is the only way by land to reach Whittier which is by far the most visited gateway to the mesmerizing Chugach National Forest wilderness of Prince William Sound. Just past the entrance of the tunnel to Whittier, is the trailhead for Portage Pass Trail (a segment of the longer Iditarod National Historic Trail.) The two-mile trail, with 750 feet elevation gain, is a good day hike and supplies spectacular views of Portage Lake and Portage Glacier.

Alicia King



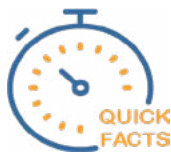
Whittier Tunnel entrance.



Prince William Sound

Prince William Sound is located in the heart of the Chugach National Forest. Over two million acres in size, it encompasses over 3,500 miles of shoreline. In 1980, Congress designated 2.1 million acres of the Chugach National Forest surrounding western Prince William Sound as the Nellie Juan-College Fiord Wilderness Study Area. The snowcapped Chugach Mountains provide a dramatic backdrop to this marine world of green forests and blue ice. Home to the massive Columbia Glacier, Prince William Sound has the highest concentration of tidewater glaciers (glaciers that end in the sea) in North America.

Sheep Bay



Tongass Quick Facts

- Approximately 16.8 million acres.
- Largest, intact temperate rain forest in the world.
- Larger than 10 U.S. states (individually, not combined), including West Virginia, Maryland, Hawaii, Massachusetts, and Vermont.
- Home to the country's largest silver mine, Greens Creek, which produced 8.3 million ounces of silver last year.
- Produces 75 percent of the commercial salmon harvested from Southeast Alaska. That's 40 million salmon, valued at \$68 million annually.
- 6.6 million acres is Congressionally designated Wilderness.
- Approximately 2,000 miles of road is open to public use (3,600 miles total).



Tongass National Forest

A Forest of Islands

The Tongass National Forest headquarters is located in Ketchikan, Alaska.

The 17-million-acre temperate rainforest is the largest national forest in the United States. It encompasses nearly 90 percent of the southeastern panhandle of Alaska. It stretches from the southern tip of Prince of Wales Island 500 miles north to the Hubbard Glacier just north of Yakutat.

Water stored in glaciers creeps out to the sea. Water falls as rain and snow and feeds the temperate rain forest. Water carves the rocks and sheer cliffs and defines the Tongass National Forest.

Though home to the Northern Hemisphere's largest temperate rain forest, about 40 percent of the Tongass is covered by ice, water, muskeg, and rock. The islands and mainland create 11,000 miles of shoreline where regal mountains rise from tidewater to overlook a mostly undeveloped and isolated landscape.

A Varied Landscape

Few places in the world can boast of the geologic and climatic variations that characterize the Tongass. At sea level, rain—and lots of it—may fall throughout the year. Climb just 1,600 feet, and the climate is too harsh for trees. The lush temperate rain forest thrives at sea level, less than a two-mile's hike from the frigid, windy alpine where buttercups and sedges cling to a tenuous existence.

"Rivers of ice," or glaciers, grind their way down from the mountaintops. While some glaciers remain perched above sea level, others, called "tidewater glaciers" deliver their icy cargo into the ocean. Even the face of the sea changes here as it surges through narrow channels and up glacier-carved fjords. Tides in Southeast Alaska, while not as severe as some of the tides further north, have a variation of as much as 25 feet in one 6-hour period. Tidal highs and lows alternate every 6.5 hours.

The Temperate Rain Forest

In the temperate rain forest, western hemlocks push their floppy tops up through the mist while Sitka spruce brave the icy, salt-laden winds along the water's edge. Sub alpine fir, red and yellow cedar and hardwoods like alder, find their own spot in the forest.

Unlike most places in the Lower 48, it is wind, and not fire, that

disturbs the forest, sometimes toppling acres of trees at a time. In areas protected from the wind, usually on the north side of ridges, trees may live to be more than 500 years old. About 90 percent of these old growth forests remain as they were 100 years ago.

Unparalleled Wildlife

Each spring, the buzzy call of the varied thrush announces the arrival of warmer weather. It is joined by songbirds migrating their way north and others, such as the chestnut-backed chickadee and pine siskin, which make their homes here year-round. The largest known concentration of bald eagles gathers each fall and winter along the Chilkat River near Haines. Here, thousands of eagles will feast on late runs of chum salmon. In spring, a eulachon (sea-run smelt) run lures hundreds of eagles to the Stikine River Delta near Wrangell. Within weeks, thousands of shorebirds stop on the delta to rest from their long trek north to summer breeding grounds.

Marine mammals are also abundant. Sea otters, seals, sea lions, porpoises and whales are often viewed throughout Southeast Alaska.

The Tongass is home to healthy populations of animals that have become uncommon in other areas of the United States. Biologists estimate that 1,700 coastal brown (grizzly) bears, the highest density in North America, roam Admiralty Island and share the island with large populations of nesting bald eagles. The Alexander Archipelago wolf is fairly common throughout much of Southeast Alaska. Mountain goats climb along steep, rocky crags above the timberline. In fact, there are no terrestrial threatened or endangered species on the Tongass National Forest. Other animals such as moose, deer, beaver, fox and porcupine are common throughout the forest.

All five species of Pacific salmon—chum, coho, king, pink and sockeye—thrive and spawn in the streams and waters of the Tongass. Dolly Varden char, and rainbow, steelhead, and cutthroat trout are common freshwater fish.

A Working Forest

People have lived and worked in this water-drenched land for a multitude of centuries. For thousands of years, the Tlingit and Haida peoples have pulled the salmon and herring out of these waters and

gathered berries and other land bounty. Each generation shares its knowledge of the land with the next. The Tsimshian moved from their former home in British Columbia to Annette Island in the late 1800s.

Gold in this era drew thousands of fortune-seekers up through the Inside Passage to the towns of Douglas, Juneau and Skagway. As the gold potential dwindled in the 1900s, communities built their economies around fishing, timber and then tourism. Past ways still flourish. Today, many bush residents depend on a subsistence lifestyle, just as Alaska Natives have for centuries.

A Forest for Visitors

The water routes are the gateway for Alaska visitors. Each year, nearly one million visitors travel through the Tongass National Forest aboard cruise ships or the Alaska Marine Highway ferries. Residents and tourists enjoy sailing, motor boating, kayaking and getting out on the water to fish.

The Mendenhall Glacier Visitor Center in Juneau is among the top tourist attractions in the state. Visitors also travel to the Juneau Ice Field via helicopter and take organized boat trips into Misty Fjords and Tracy Arm. Ecotourism is one of the faster growing portions of the tourism industry.

Traveling through this watery world is a challenge. Roads between communities are rare. Only Hyder, Haines, and Skagway are connected to the North American road system. Roads connect many of the communities of Prince of Wales Island. The Alaska Marine Highway ferries serve larger communities like Ketchikan, Wrangell, Petersburg and Sitka. Tiny southeast communities like Coffman Cove and Gustavus may only be reached by boat or small aircraft, generally float planes.

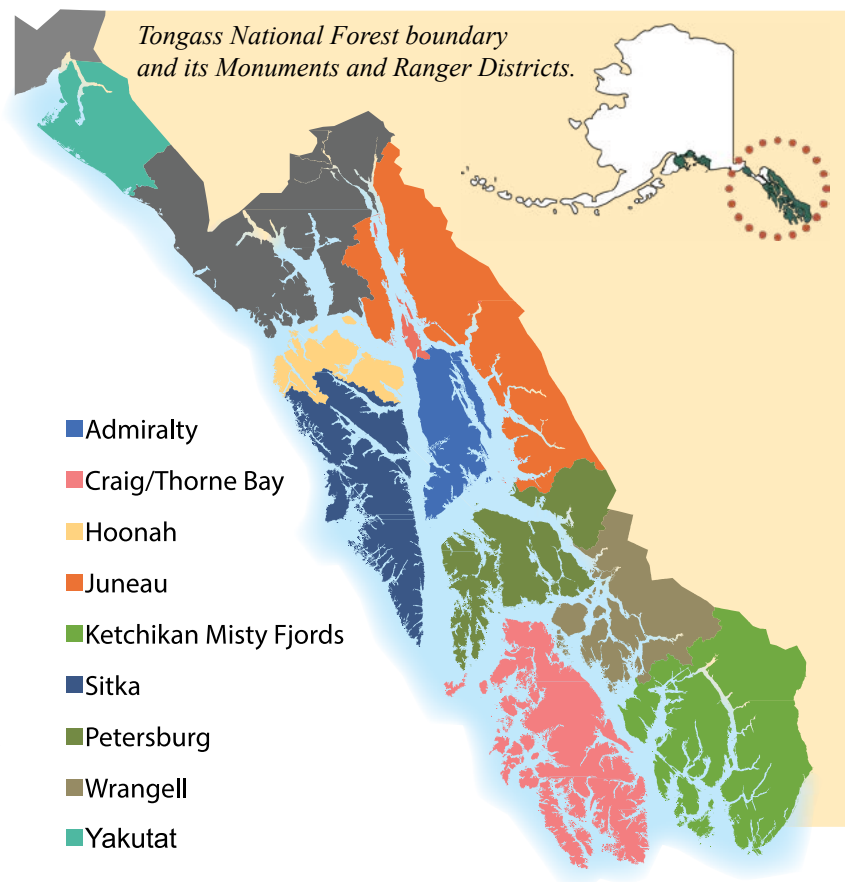
The maritime environment dominates the weather. Normal summer highs average 55 °F to 60 °F (13 °C to 16 °C), with winter highs hovering around 30 °F to 35 °F (-1 °C to 2 °C). Only rarely will the temperatures drop below zero. Average precipitation varies from 141 inches a year in Ketchikan to 21 inches a year in Skagway.

Coastal Temperate Rainforest

Alaska's national forests harbor the largest remaining temperate rain forest in the world. The Tongass National Forest contains fourteen percent of the world's total acreage of these productive forests. The forests of Prince William Sound on the Chugach National Forest represent the northernmost extent of this rich, but uncommon, ecosystem.

Coastal temperate rain forests are found in wet, cool climates where the collision of marine air and coastal mountains causes large amounts of rainfall. In Southeast Alaska, rainfall varies from two to 20 feet each year, depending on location.

Coastal temperate rain forests extend from Kodiak Island along the coast to California's "fogbelt" redwoods. Much of their remaining 75 to 100 million acres is found there and in Chile. Ecologists use four features to distinguish coastal rain forests from other temperate forest types: proximity to oceans, the presence of coastal mountains, cooler summer temperatures, and higher rainfall levels with significant precipitation occurring in all seasons. These unique conditions lead to vital links between the marine and terrestrial



environments. The rain forest ecosystem does not end at the high tide line, rather, nutrients are cycled throughout the system.

Coastal temperate rain forests foster a hugely disproportionate share of the world's biological production. They accumulate and store more organic matter than any other forest type (including tropical rain forests)—as much as 1,000-2,000 metric tons of wood, foliage, leaf litter, moss, other living plants, and organic soil per acre. The adjacent waters are productive as well. The upwelling zones and cold-water currents that bathe the edges of coastal temperate rain forests account for a substantial share of the biological production of the oceans. The productivity of these marine ecosystems is enhanced by the nutrients and organic debris washed out of the coastal watersheds.

Alaska's temperate rain forests are comprised of thick stands of Sitka spruce, yellow-cedar, redcedar, and western and mountain hemlock.





Forest Office Locations

Forest Supervisor's Office Ketchikan

Ketchikan is the supply center and transportation hub for southern Southeast Alaska with Saxman and other smaller communities on its road system. Ketchikan is a bustling, lively community of 8,289 people. Ketchikan is long and narrow as it snakes between the Tongass Narrows and tall mountains. The entire width of land is taken up by houses, staircased on steep mountain sides and built out over the water on wooden pilings.

Incorporated in 1900, Ketchikan's rich past dates back generations, as the ancestral home of the Taant'á Kwáan (roughly meaning the Tongass people), a group of distinct clans who fished salmon from the mouth of Ketchikan Creek.

Contemporary settlement and industry began when the first of many canneries opened in 1887, establishing Ketchikan as an economic and cultural hub in Southeast Alaska.

Today, the community still relies upon commercial fishing, but cruise ship tourism has become crucial to the city's economic success. The drydock shipyard provides a diversity of job opportunities and training.

Ketchikan is home to the Ketchikan Misty Fjords Ranger District and the Tongass Supervisor's Office.

Paul A. Robbins, Jr.



Creek Street walkway in Ketchikan.

Robert Marek



Aerial view of Admiralty Island National Monument.

Admiralty Island National Monument *and* Admiralty Island National Monument Kootznoowoo Wilderness Juneau

Located just west of Juneau, Admiralty Island is internationally known for its brown bears and bald eagles, as well as its status as a national monument, wilderness area and Biosphere Preserve. Each year, visitors go to Pack Creek Bear Viewing Area to watch bears in their natural habitat. The site is co-managed with the Alaska Department of Fish and Game and is managed as a Recreation Fee Demonstration area. Pack Creek permits, available online at www.recreation.gov, regulate the number and timing of visits, and ensure visitors are informed of bear viewing protocols, tides, and other pertinent information.

Craig/Thorne Bay Ranger Districts

Craig and Thorne Bay

The Craig Ranger District is located on the southern half of Prince of Wales Island, the largest island in Southeast Alaska. Prince of Wales Island has the most extensive road system in Southeast Alaska, ranging from paved scenic byways to logging roads that require four-wheel drive. These roads provide access to numerous areas where you can fish, hike, camp, hunt, boat and view wildlife.

Covering the northern half of Prince of Wales Island, the Thorne Bay District is known for its cave systems and karst topography. The caves offer a unique recreation opportunity for visitors and a valuable research area for scientists. Paddlers can also take advantage of two water trails found on the District.



Benjamin Nash

USDA Forest Service photo



Hoonah Ranger District

Hoonah

The Hoonah Ranger District encompasses most of Chichagof Island, an island known for its high density of brown bears. A system of dirt roads provides for further exploration and opportunities to rent a remote cabin, hunt, fish, hike, pick berries, mountain bike, and watch wildlife. Access to other remote cabins and hot springs can be made by boat or float plane. Hoonah is one of the largest Tlingit villages in Alaska and offers various cultural sites and events.

Juneau Ranger District

Juneau

The Juneau Ranger District surrounds the largest city in Southeast Alaska and the capitol of the state. Visitors can learn about the Tongass, view a glacier, camp, kayak, take a white-water rafting trip, and access many miles of trails at the Mendenhall Glacier Visitor Center and Recreation Area. A growing cruise ship industry brings 1.3 million visitors to Juneau annually and approximately half of them visit Mendenhall and the Juneau Icefields. Accessed by daily helicopter service, the icefields offer guided dogsled rides. Other major activities on the district includes the White Pass Railroad offering scenic train rides from Skagway, through the extreme northern end of the district, into Canada. The Kensington Mine located about 30 miles north of the city of Juneau is a major gold producer and one of the largest private sector employers in the area. Juneau is also the headquarters for nearby Admiralty Island National Monument, known for the Kootznoowoo Wilderness Area and Pack Creek Brown Bear Viewing Area.

USDA Forest Service photo





Tracy Arm-Ford's Terror Wilderness Juneau

The Forest Service established Tracy Arm–Fords Terror Scenic Area in 1960. With the enactment of the Alaska National Interest Lands Conservation Act in 1980, the area became the Tracy Arm-Fords Terror Wilderness.

Encompassing 653,179 acres, Tracy Arm–Fords Terror is the third largest designated wilderness in the Tongass National Forest.

Ketchikan Misty Fjords Ranger District Ketchikan

The Ketchikan Ranger District encompasses the southeastern end of Tongass National Forest and includes the glacier-sculpted Misty Fjords National Monument and Wilderness Area. The Southeast Alaska Discovery Center is also located in Ketchikan, and is a great place to visit and learn about the natural and cultural history of the Tongass.

USDA Forest Service photo



Misty Fjords National Monument and Misty Fjords National Monument Wilderness Ketchikan

In 1978, President Jimmy Carter proclaimed over 2,200,000 acres as the Misty Fjords National Monument. In 1980, this acreage got reduced to 2,142,243 acres but was now congressionally designated as Misty Fjords National Monument Wilderness, and still remains the largest wilderness area on the Tongass National Forest. There are thirteen public recreation cabins, five 3-sided shelters, and ten trails that provide altogether twenty miles of hiking activity.

Petersburg Ranger District Petersburg

In the middle of the Tongass, the Petersburg Ranger District consists of Mitkof, Kupreanof, Kuiu and many smaller islands. The Mitkof Highway provides access to many picturesque recreation areas, including the Swan Observatory, popular fishing and hiking spots, and views of the scenic Wrangell Narrows.

USDA Forest Service photo



USDA Forest Service photo



Sitka Ranger District Sitka

Situated on the outer coast of the Gulf of Alaska, the Sitka Ranger District encompasses Baranof Island and the southern portion of Chichagof Island. The road system provides access to numerous miles of hiking trails, while access to the outer coast provides great opportunities for whale watching and fishing. The Mount Edgecumbe Volcanic Field is an iconic feature found on this district. It is home to the South Baranof Wilderness (319,568 acres) and the West Chichagof-Yakobi Wilderness (273,098 acres) that contain both jagged peaks, and glacially carved fjords are both accessible only by boat and floatplane.

Wrangell Ranger District Wrangell

The Wrangell Ranger District encompasses Wrangell Island and the surrounding mainland and islands. The heart of the area is the Stikine River, the fastest navigable river in North America and an important stop for birds on the Pacific Flyway. Anan Wildlife Observatory is also a spectacular destination, with the chance to not only view black and brown bears, but bald eagles, salmon, seals, and other wildlife.

USDA Forest Service photo



Yakutat Ranger District Yakutat

The most northern of the ranger districts, the Yakutat Ranger District is located on mainland Alaska and is surrounded by tall mountains and massive glaciers. Its setting on the Gulf of Alaska provides the area with sandy beaches, waves suitable for surfing, and world-class fishing on the Situk River. The Yakutat Forelands is an important area for migratory birds, and it hosts one of the largest known breeding colonies of Aleutian Terns.

USDA Forest Service photo



USDA Forest Service photo



Mendenhall Glacier Visitor Center Juneau

At the Mendenhall Glacier Visitor Center, you can savor the outstanding views of the thirteen-mile-long river of ice, which ends on the far side of Mendenhall Lake. Blue icebergs float in the water amidst reflections of Southeast Alaska's magnificent coast mountains. The Juneau Ice Field, a 1,500 square mile remnant of the last ice age, is cradled high in lofty peaks and is the source of numerous major glaciers, including the Mendenhall.

Southeast Alaska Discovery Center Ketchikan

At the Southeast Alaska Discovery Center, you can explore the unique natural and cultural history of the Tongass National Forest, a place where people have lived in harmony with nature for thousands of years. Stroll through a lush rainforest, visit a re-created native fishing village and learn how the Tongass sustains Southeast Alaska communities today. You can also hear the story of the forest in person from one of our friendly Forest Service rangers, enjoy a film in our comfortable theatre or help your kids become Junior Rangers. In the summer, join a ranger for a guided walk and learn about Ketchikan's enduring ties to the rainforest.

USDA Forest Service photo



Notable Work Locations

Stikine-LeConte Wilderness Wrangell Ranger District

Among the wildernesses of the Tongass National Forest, the Stikine-LeConte is unique because it crosses the Alaskan panhandle and goes to the British Columbia border along the navigable waters of the Stikine River.

This feature has made the Stikine River historically important to both countries. The value of maintaining the river's navigability is recognized through long-standing international treaties.

Mark Meyer



Mark Meyer



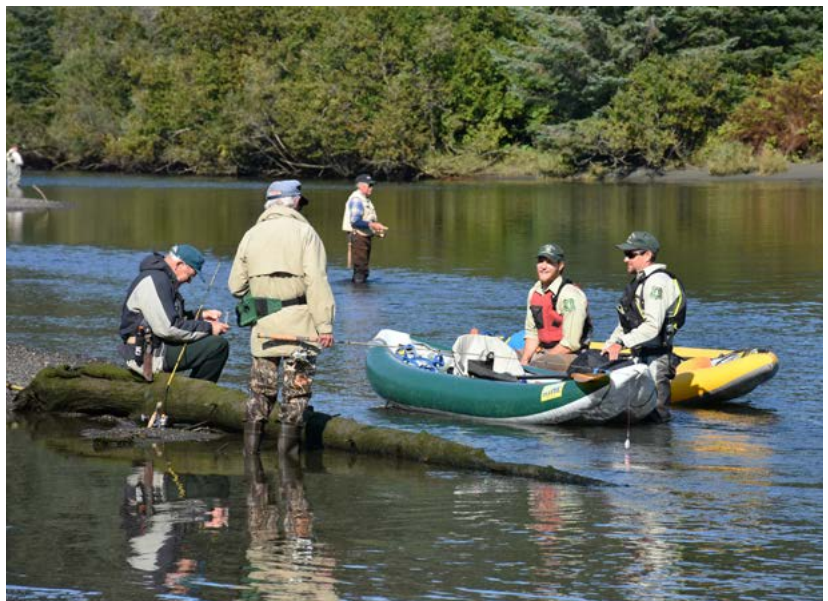
Hubbard Glacier & Russell Fiord Yakutat Ranger District

More than 70 miles long, the Hubbard Glacier near Yakutat has been advancing since 1900. In 1986, Hubbard Glacier closed the entrance to Russell Fiord, blocking the flow of the fiord into Disenchantment Bay. The water level in Russell Lake rose to an elevation of 83 feet over sea level to create the world's largest glacier-formed lake. A few weeks later, the ice dam abruptly broke, and the lake disappeared.

The Situk River Yakutat Ranger District

The Situk River runs 20 miles from its mountainous source to the Gulf of Alaska. Its tea-colored waters understate its importance. This river is home to all five species of Pacific Salmon, Steelhead, Dolly Varden, and Eulachon. With over 400,000 fish returning to its waters annually, the Situk attracts fishermen today as it did hundreds of years ago. In addition to the sporting fisherman along its banks, individuals may float the Situk and commercial fishermen operate in the Situk-Ahrnklin estuary. The River Rangers monitor sport fishing activity, remove trash and debris from the shore, and share safety information with fishermen and recreationists.

Paul A. Robbins, Jr.

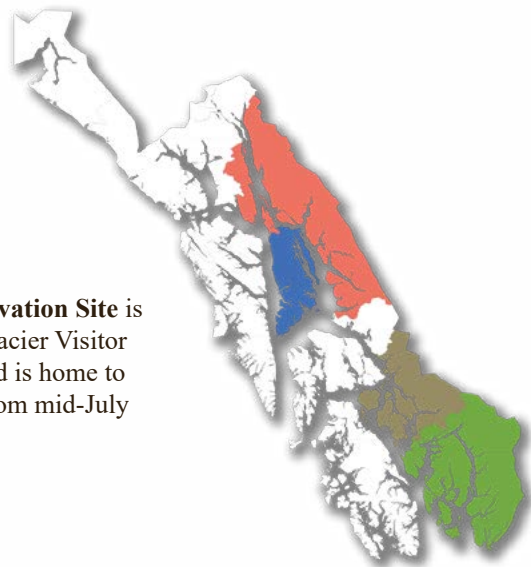


Bear Viewing Work Locations

Bears live, forage, and travel everywhere in the Tongass. Forest Service staff are on-site throughout July and August.



Steep Creek Observation Site is near Mendenhall Glacier Visitor Center in Juneau and is home to spawning salmon from mid-July through October.



Pack Creek Brown Bear Viewing Area is located on Admiralty Island, 27 air miles south of Juneau, accessible by boat or floatplane.



Anan Wildlife Observatory is located 30 miles south of Wrangell, and accessible by boat or floatplane.

Margaret Creek Wildlife Observation Site is located on Revillagigedo Island, 26 miles north of Ketchikan. Accessible by boat or floatplane.



Fish Creek Wildlife Observation Site is located 75 air miles northeast of Ketchikan and three miles north of Hyder, by road, in the Salmon River valley.



Regional Office

Regional Leadership Team (RLT)

The Alaska Region – Regional Leadership Team is a dynamic group of exceptional people who bring decades of knowledge and experience into a circle of trust that allows them to face the special opportunities and challenges – together – that are truly unique to Alaska and the Tongass and Chugach National Forests.

By working closely and collaboratively, sharing leadership, and guided by regional priorities, a strategically managed budget and a streamlined workforce, these program leads, and partners stay connected at all levels, meeting quarterly to march forward in ensuring Region 10 continues to connect people to nature and to each other.

The regional office is located in the capitol city of Juneau, Alaska.

Civil Rights (CR)

The Civil Rights staff enforces compliance with federal laws such as the Civil Rights, Age Discrimination and Americans with Disabilities Acts, and other policies of the USDA and the Forest Service. Civil Rights ensures every customer and employee is treated equitably, with dignity and respect. This unit helps the Alaska Region to maintain its status as a multicultural organization, and to maintain a workplace that is inclusive and free of harassment and retaliation. The civil rights staff provides guidance to the Region toward increasing accessibility and providing equal opportunity for everyone to participate in the agency's employment program, and goods and services. Staff ensure that customers and applicants for employment are not denied equal opportunity because of race, color, national origin, age, gender, religion, or disability. Civil Rights reaches out to historically under-served populations and communities.

To foster diversity in the workplace, the Region must compete in the national marketplace for diverse applicants. Civil Rights helps the Region to retain employees, develop a leadership succession plan that includes diverse candidates, develop an aggressive recruitment/retention plan for a diverse labor force, and build accountability into workforce planning.

Conflict Management and Prevention Center (CMPC)

The Conflict Management and Prevention Center is the Forest Service's Alternative Dispute Resolution (ADR) program and is available to all Forest Service employees. The program's managers use a wide variety of services and diagnostic tools to help resolve disputes among conflicting parties. This variety of services significantly models "This is Who We Are" and contributes to the Agency's Code and Commitments of "Treating everyone with respect and investing in relationships."

Participation is voluntary and informal. Services include:

- Conciliation
- Conflict Management Training
- Consultation
- Facilitation
- Group Assessment
- Group Intervention
- Interest-based Problem Solving
- Mediation
- Team Building
- Boss Whispering ®

Resolved workplace conflicts can increase morale and self-esteem, enhance teamwork, establish trust, improve quality of work and productivity, maintain a healthy and balanced workplace, and reduce complaints or grievances.



Ecosystem Planning and Information Management (EPIM)

The Ecosystem Planning and Information Management staff gathers and analyzes crosscutting information and coordinates interdisciplinary natural resource management issues across the Alaska Region.

Ecosystem Planning

Ecosystem Planning is the framework for all activities in the national forests. The planning staff ensures required plans and laws are followed, such as the National Environmental Policy Act and the National Forest Management Act. The staff leads regional efforts to incorporate economic and social analysis into planning processes

at various scales. Staff also coordinate the Region's involvement in the development of corporate databases, inventory and monitoring programs, and the coordination of administrative studies conducted or funded by the Alaska Region.

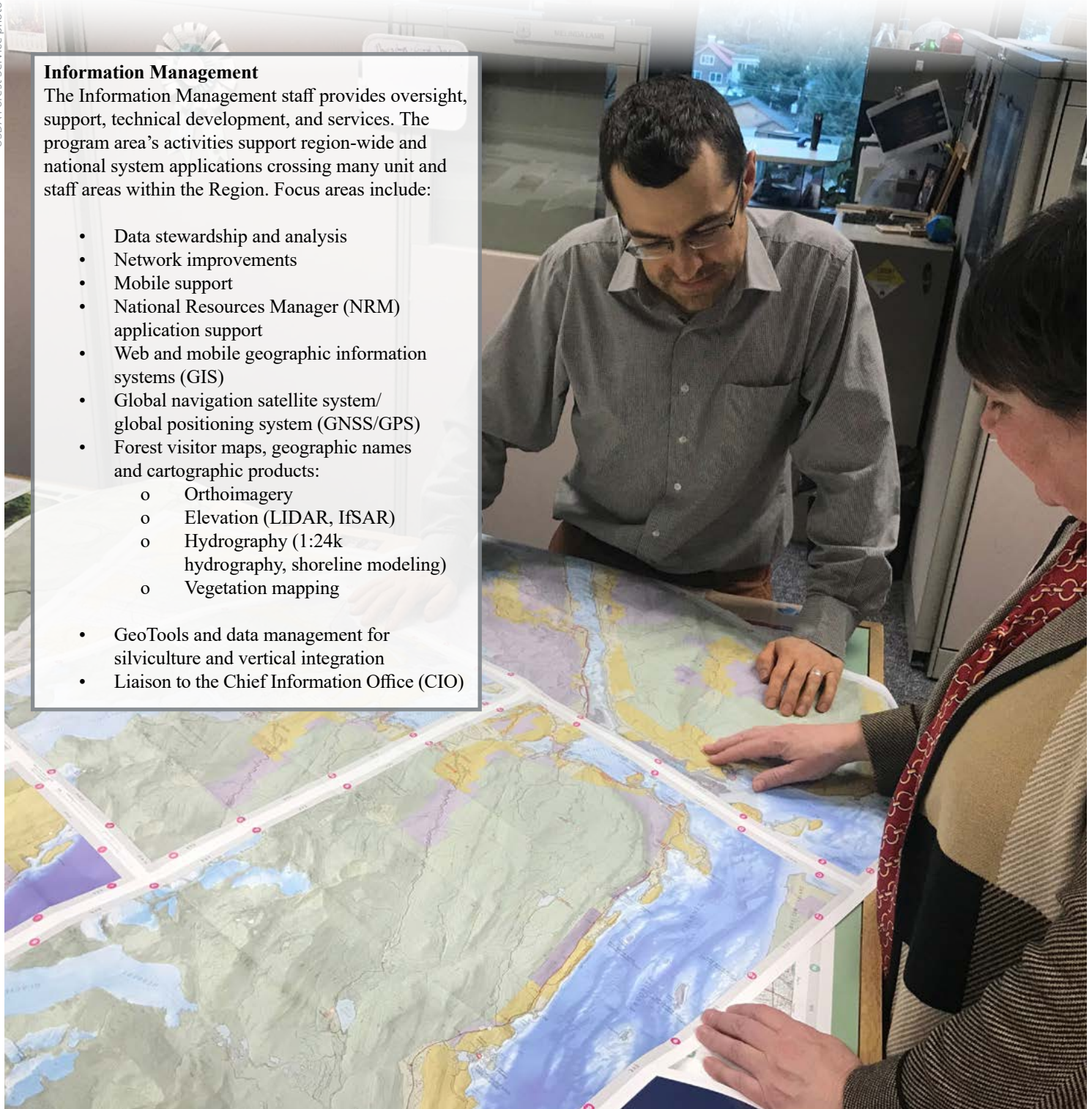
The public has an important role in planning. The planning staff ensures the public has opportunities to work with the Forest Service to develop sound decisions for both forest-level plans and local projects. By working with the Forest Service, the public brings knowledge and ideas forward to help the agency consider all aspects of a plan or project, leading to better decisions.

Information Management

The Information Management staff provides oversight, support, technical development, and services. The program area's activities support region-wide and national system applications crossing many unit and staff areas within the Region. Focus areas include:

- Data stewardship and analysis
- Network improvements
- Mobile support
- National Resources Manager (NRM) application support
- Web and mobile geographic information systems (GIS)
- Global navigation satellite system/global positioning system (GNSS/GPS)
- Forest visitor maps, geographic names and cartographic products:
 - Orthoimagery
 - Elevation (LIDAR, IfSAR)
 - Hydrography (1:24k hydrography, shoreline modeling)
 - Vegetation mapping
- GeoTools and data management for silviculture and vertical integration
- Liaison to the Chief Information Office (CIO)

USDA Forest Service photo





Engineering and Aviation Management (EAM)

Engineering and Aviation Management consists of six program areas in the Alaska Region. The engineering programs support the management of our natural resources on the Tongass and Chugach National Forests. At the Regional Office, program managers provide expertise to the units for the construction and maintenance of facilities (campgrounds, picnic areas, trails, trailheads, and historic sites), roads, bridges, and aquatic organism passages. The Aviation and Fleet programs enable resource management on the unique landscape of Alaska. With our forested islands, harsh conditions, and remote communities, our employees need a range of transportation equipment from land, sea, and air to get where they need to go promptly and safely. The programs that are managed out of the Regional Office manage the equipment across the region, supporting employees at the units, and enabling folks at all levels of Team Alaska to deliver the very best performance.

The program areas are:

Environmental Engineering

Environmental Engineering manages pollution prevention funding, site visits, and training to eliminate or reduce the usage, storage, generation, or release of regulated materials within Forest Service facilities, on National Forest lands, and to surrounding communities. Environmental Engineering is a key player in developing the Environmental Management Systems program which will ensure that hazardous materials are properly handled and stored for administrative, contract, and allowed sites.

The program includes the abandoned mine lands safety program to mitigate mine opening hazards, as well as ongoing inventory and characterization of legacy cannery sites in Prince William Sound. Agreements with the Air Force and the Federal Aviation Administration help use Forest Service funds with other agency funds to clean up Forest Service lands.

Facilities Engineering

The Forest Service owns or leases many types and sizes of administrative and recreation buildings in Alaska. Some of the more common types of administrative facilities are office spaces; barracks for seasonal field crews; family housing in

remote communities where housing in the private sector is scarce, and markets limited; and shops and warehouses.

The facilities engineering program along with other engineering services such as structural engineering support recreation facilities, trails, dams and other owned or permitted infrastructure by providing technical oversight, and assistance in the planning, design, construction and management of infrastructure on the national forests.

Fleet

The Engineering and Aviation Management team is also home to the Regional Fleet Program. The objective of the fleet management program is to provide efficient and safe fleet equipment and ensure the economical acquisition, operation, maintenance, and disposal of that equipment. The program manages 250+ vehicles and equipment across the Chugach and Tongass National Forests, and the Pacific Northwest Research Station. The unique landscape of Alaska necessitates a spectrum of vehicles: sedans and light, medium, and heavy trucks; construction equipment; boats, snowmobiles, motorcycles, and planes; and equipment for special needs such as law enforcement and firefighting.



Structures

The Alaska Region's Structures Program provides structural engineering services and oversight of structural engineering projects for the Alaska Region. Besides bridges, the Alaska Region Structures Program oversees the life cycles of cabins, marine access facilities and major buildings; from design and construction, through maintenance, to possibly recommending disposals. In recent years, the biggest workload for the Alaska Region Structures Program has been bridge inspections. Trail bridge inspections are required every five years by Forest Service policy; and, generally, road bridge inspections are required every two years by law. The road bridge inspection program requires an especially large amount of coordination from the Regional Office between the personnel in the field doing the inspections, the various aspects of the law, and the reporting requirements from the national bridge program office and the Federal Highway Administration.

Transportation Engineering

The land management plans for the national forests include corridors for highways and utilities known as Transportation

and Utility System corridors, a land use designation. The Alaska Department of Transportation and Public Facilities has many new or improved highways proposed that will cross the National Forests in Alaska along existing or proposed Transportation and Utility System corridors. These planning efforts are emphasizing more highways and lower cost ferry service to enhance transportation for local communities.

The Federal Lands Access Program (FLAP) is a cooperative venture managed by the Federal Highway Administration the Alaska Department of Transportation and Public Facilities, and the Forest Service. Roads developed with this Federal Highway Administration-funded program have helped local communities by improving roads under the jurisdiction of communities, the Alaska Department of Transportation and Public Facilities, and the Forest Service. Hundreds of miles of highway were constructed on Prince of Wales Island with this program. The Coffman Cove road and ferry terminal is a recent example of a project that will convert logging roads to a highway for improved access to communities and the Tongass National Forest.

In Alaska, the location of national forest roads varies greatly by topography and many are isolated on islands or remote mainland systems. The Chugach National Forest has 90 miles while the Tongass National Forest has approximately 3,600 miles of road. Prince of Wales Island is the most-heavily roaded area in the region.

Roads provide access to national forest land while utility corridors allow communities to connect to power, water, phones and other utilities. By carefully overseeing these forms of access, engineers

and planners can ensure the best levels of service while minimizing the effects on the land. Roads are also maintained and improved by public works contracts for better access to forest resources, recreation sites, marine access facilities, and administrative sites.

Aviation Management

One might wonder how the employees of the Alaska Region get around to do their jobs. No roads connect Juneau, Sitka, Ketchikan, Petersburg, Wrangell, Cordova, and other locations to the North American road system. Aviation is a key link in helping employees carry out the mission of the Forest Service in Alaska.

The Alaska Region uses fixed-wing and rotor wing planes under contract and through rental agreements with commercial aircraft operators. The Regional Aviation Group along with Forest Aviation Officers oversee the contracts, inspections, and oversight of aviation use while the dispatch offices track each flight and work with project leaders and flight managers to ensure all safety measures are in place prior to and during flight operation.

Use of aviation does not come without risk. Employees must take part in aviation safety training with specific emphasis on the Alaskan environment prior to flying for work related activities. Opportunities for more aviation training are available for Helicopter CrewMember/Managers as well as Fixed Wing Flight Managers. A constant emphasis on risk management and adhering to safety measures is key to continuing the legacy of the R10 aviation safety record.





Fire and Fuels (FF)

Fire and Fuels is a coordinated effort between the Alaska Region (R10) and the Pacific Northwest (R6). The Regions share a director and associated leadership including the State Office/Regional Office Fire Management staff in Portland, Oregon and the Fire Operations and Fuels Management positions in Anchorage. Regional staff work closely with other federal, state, and tribal partners in Alaska to manage fire suppression and fuels mitigation efforts across all jurisdictions effectively and efficiently.

Fire Management

Fire occurrence in the Region rarely results in large fire events, but lighting and human-caused fires are part of every summer and require a risk-managed response to ensure the safety of first responders as well as the public while protecting other values at risk.

Both the Tongass and Chugach National Forests are responsible for fire protection of National Forest System lands within the greater forest boundaries as well as protection of other jurisdictional ownership within. These resources include engine modules, Incident Attack (IA) modules, prevention technicians, a Type2 IA hand crew, single resources, boats, contracted aircraft and more.

Managers are regularly challenged with the logistics and support required to provide suppression responses across a vast or remote landscape. Many Alaska Region employees who are not hired for fire suppression are interested in and take part in “Militia” or various support functions when the season gets busy either in

Alaska or the rest of the country. We encourage those who are interested to visit with fire managers to find applicable training opportunities and assignments.

Fuels Management

The fuels management program in R10 focuses integrated active management in key areas, primarily the Wildland Urban Interface, to reduce wildfire risk to values. The program in R10 is small compared to other programs across the various Forest Service regions.

The program’s small stature does not diminish its importance to the Region and to Alaska. The Chugach National Forest is the primary focus for fuels management. Direct treatment of forest vegetation to reduce expected fire behavior occurs through mechanical activities or prescribed fire. Also keeping a healthy, diverse, and productive forest provides a tenant of resource management integration that fuels strive for and is necessary for successful fuels management in Alaska ecosystems. Additionally, the fuels program is a cooperative endeavor, with strong partnerships and coordination across various entities including federal, state, borough, and tribal collaborators.

The fuels management program uses various internal and external opportunities to support and implement fuel reduction in those areas, despite ownership, that are most in need. Working on the national forest and across boundaries and jurisdictions through effective partnerships is key to reducing negative outcomes related to wildland fire.





Natural Resources (NR)

Natural Resources works to sustain the health, diversity, and productivity of Alaska's two national forests, to meet the needs of present and future generations. In addition to providing fish and wildlife with a place to live, Alaska's national forests also supply human needs.

For many years, the forests provided Indigenous peoples with plants, berries and trees used for everything from canoes to fish traps and basket weaving. They depended on trees for firewood and building materials for their shelters. Many people in rural areas continue this subsistence lifestyle.

The timber harvest program for the Tongass National Forest is based on meeting direction in the Tongass Timber Reform Act (TTRA). The act directs the Forest Service, to the extent consistent with providing for the multiple use and sustained yield of all renewable resources, to look to provide a timber supply that meets the annual demand for Tongass timber.

Wildlife

Wildlife thrives in the sheltering woodlands of Alaska's national forests – home to 70 species of mammals, 342 bird species, eight amphibian species, and uncounted thousands of invertebrate species. Animals rare elsewhere, such as brown bears, bald eagles, and wolves, thrive in vast expanses of undisturbed habitat. On the Tongass, the distribution of wildlife species is influenced by a habitat that includes thousands of islands varying in size, shape, and distance from the mainland. The Chugach includes a premier wetland, the Copper River Delta, which supports millions of migrating shorebirds and is the only nesting ground of the Dusky Canada Goose.

Wildlife biologists in the Alaska Region conduct a variety of wildlife projects to inventory and monitor habitats and populations, restore and improve habitats, and provide opportunities for people

to use, enjoy, and learn about wildlife. There are no threatened or endangered terrestrial species in Alaska's National Forests.

Fisheries

Located along the fisheries-rich Gulf of Alaska, the Chugach and Tongass National Forests are among the world's great treasures of freshwater habitats for the five species of Pacific salmon. Rainfall averaging 120 inches per year feeds 32,000 miles of streams and 189,000 acres of lakes across the forests. These abundant waters supply major fisheries for subsistence, commercial and sport uses. As much as twenty-five percent of the state's commercial salmon catch comes from fish produced in the waters of the national forests, with 75 percent of Southeast Alaska commercial salmon catch produced by Tongass rivers, lakes, and streams. One in 10 jobs in Southeast Alaska comes from commercial fishing.

Fish habitat protection is a high priority. Forest plans provide standards for protecting habitat and fisheries values in forest management. Fish habitat restoration is a major part of the program. Working with partners, we complete instream habitat restoration projects and are currently working to restore fish migration issues caused by improperly designed road/stream crossing structures. In addition, fisheries biologists have completed many projects to improve fish habitat. In the past fifty years, we have invested more than \$30 million in over 400 fish projects.

Ecology

Ecology is the study of relationships among plants, animals, and the physical environment. These relationships are called ecosystems, each having characteristic processes and features that can be recognized on the landscape. For example, on the Tongass National Forest, coastal rainforest ecosystems are largely shaped by water and powerful winds. In contrast, the boreal forest ecosystems in the Kenai Peninsula of the Chugach National Forest are influenced primarily by fire. An important focus of our botany program is naming, checking, and managing rare plants. Plants are all around us, from high alpine meadows to shoreline sedge flats. Because of their huge size and variety of habitats, national forests in Alaska host a tremendous abundance and diversity of native plant life ranging from tiny lichens and mosses to showy wildflowers and towering Sitka spruce.

Other key components of the program include developing native plant seed sources for revegetating disturbed areas and promoting appreciation and enjoyment of wild plants through special events. Botanists also work with other specialists to identify, locate, and eradicate invasive plants.



William Schreck



Andrew Kirby



Hannah Prokop



Watershed & Air

Water is everywhere in Alaska's National Forests. The Tongass and Chugach include millions of acres of wetlands, lakes, and glaciers, thousands of miles of streams and coastlines, and uncountable springs, ponds, caves and aquifers. Water originates as rainfall and melting snow and ice. As it moves through and under the forests, water sustains much of the wildlife diversity and scenic grandeur that makes Alaska's coastal rainforest a world treasure. Undisturbed soils, stable slopes, and natural waterflow patterns are essential for healthy watersheds and, in turn, for keeping water quality and vibrant ecosystems. Air quality in the Alaska Region is generally pristine as shown by thriving plant species sensitive to atmospheric degradation.

Specialists in the Alaska Region monitor, evaluate, and restore watershed function and conditions including erosion, stream habitat, and the quality and quantity of water. Hydrologists and soil scientists evaluate impacts of management activities, and develop and implement projects to protect, restore and enhance watersheds and streams. Chugach National Forest staff manage smoke impacts

to air quality when planning and implementing prescribed burns, and monitors snowmobile emissions in high use areas. On the Tongass, ecologists monitor the impacts of cruise ship emissions on wilderness scenic values and sample lichen health and chemical uptake to assess atmospheric deposition from potentially worldwide emissions.

Subsistence

Subsistence is a way of life in Alaska. Many Alaskans use wild plants and animals, especially fish, to put food on the table. This reliance on nutritious wild foods, called "subsistence," is critical in rural areas where store-bought food may be unavailable or unaffordable. For Alaska Natives in particular, gathering, preparing, and sharing wild foods are integral to the history, culture, and health of individuals and communities.

The Forest Service and other federal agencies share responsibility for managing subsistence resources and uses on federal lands and waters throughout Alaska. The Alaska Region's subsistence management program includes a variety of cooperative projects including studying and monitoring subsistence resources, documenting customary and traditional uses, and enhancing opportunities for users to meet their needs.

Sustainable management of subsistence hunting and fishing requires accurate and timely information about the abundance, health, and distribution of fish and wildlife stocks. Much of this information is developed through service contracts with Tribal Nations and other Native organizations. In addition to providing essential biological data, these contracts create local jobs, build technical capacity, and involve subsistence users in meaningful stewardship roles.





Steven Anthony

Occupational Health and Safety

The mission of the Occupational Safety and Health Office is to support regional employees in accomplishment of regional priority work. This is done through a collaborative approach supplying mentoring, training, auditing, assisting and advising the workforce on industry standards, and lessons learned developed over the years. Accomplishing work is why the Region is here. Accomplishing work with the least cost in injuries and suffering is the goal of the Safety Office.

Risk Management

Risk management is the process used by the safety office and employees to identify and assess risk so mitigations can be developed to lower the exposure or severity of the risk. Risk in the remote areas of the Alaska Region is truly unique, and every job has some level of risk.

Workforce/Types of Work

The makeup of the workforce—permanent, seasonal, volunteers, partners, and contractors—range from young, inexperienced workers to seasoned workers with vast amounts of knowledge and experience.

This challenges supervisors and leaders to ensure a proper mix of skillsets to train less knowledgeable workers. Fulfilling our mission of caring for the land and serving people demands a wide array of job skills. While some workers are in offices, others work in laboratories, at hazardous material sites, on wildfires, at rock blast sites, and out in the forest. Interpretive education programs take employees to visitor centers, marine ferries, wilderness areas, and bear viewing platforms. Employees are involved with work on trails, streams, and remote cabins.

Employees who work with minerals, geology, and mining are required to have an in-depth understanding of mining safety and health operations. Employees who maintain communication towers on mountaintops in support of field communications face unique risks.

Boating, diving, and aviation programs along with their specific safety protocols require special training. Reducing the risks associated with such a variety of work programs can become quite complex.

Work Locations/Conditions

Some employees travel great distances in aircraft or boats over ocean waters that, even in the peak of summer, have temperatures in the 50s. Weather conditions can deteriorate quickly, creating travel hazards. Chance encounters with bear or moose must be taken into consideration by employees traveling on foot or in vehicles over rough terrain.

Promoting a Safe Workplace

The Occupational Health and Safety Health Office promotes safety and awareness training programs to provide employees with the skills they need to face hazards and return to camp or home safely each night. The office works with various federal and state agencies to assure that appropriate processes are followed.

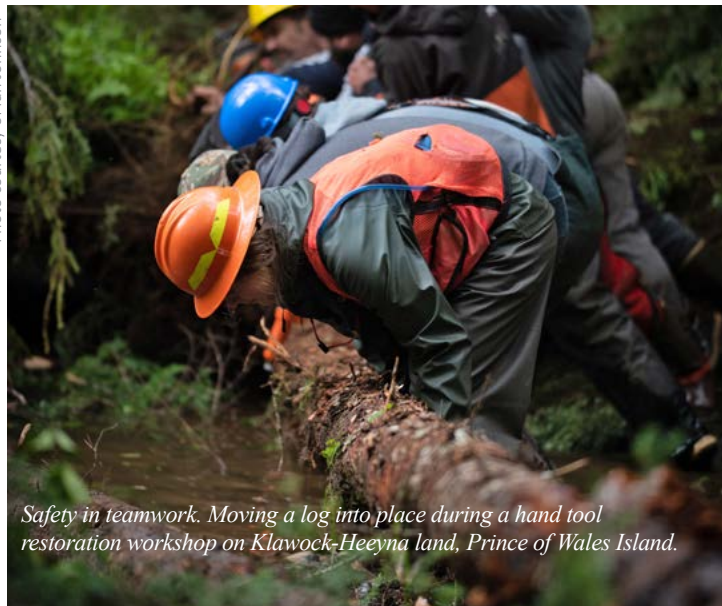
Our door is always open—we believe open communication promotes knowledge sharing and is essential for recognizing and mitigating risk. We strive to develop and maintain a culture that encourages all employees to be mindful of the risks, and trains them on how to best handle those risks. The result is a safer workplace for all.

Office of Partnership and Public Engagement

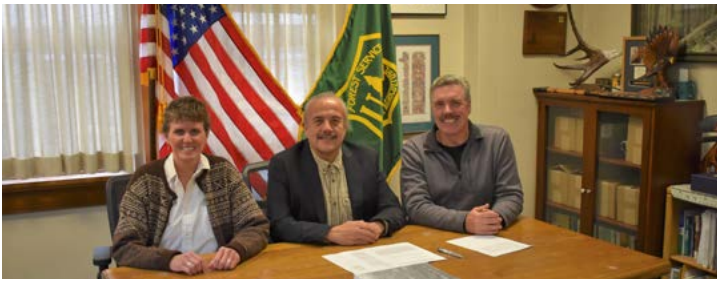
The Office of Partnership and Public Engagement is the Alaska Region's newest directorate. This program area includes staff supporting partnerships, workforce recruitment and retention, public engagement, and grants and agreements. OP&PE wants to make it easy for people to work with their team and seeks to streamline processes that create barriers. They consider and integrate Diversity, Equity, Inclusion and Access in all aspects of their work. The directorate works broadly with tribal partners, academia, minority groups, underserved communities, rural communities, nonprofits, faith-based organizations, municipal, local, state, and federal governments, youth groups, volunteers, private sector, industry groups, ethnic organizations, and many others.

The 14-person team works to align communication, collaboration, and support, coordinating with the forests, regional programs, and staff under one directorate. OP&PE staff provide support in building partnerships and engaging the public, serving as a central unit to help coordinate technical support such as outreach, webinars, informational workshops and open houses with staff as needed. The Grants and Agreements team supports the Alaska Region's partnerships by putting together the right technical instruments to sustain and help fund partnerships. The Alaska Region's strength is in its people, so working with the forests and region to recruit and retain the best workforce is a key contribution to Team Alaska's success.

Photo courtesy of Ian Johnson



Safety in teamwork. Moving a log into place during a hand tool restoration workshop on Klawock-Heeyna land, Prince of Wales Island.



Procurement and Property Services (PPS)

The Forest Service recently transformed its Acquisition Management (AQM) program area to become a national organization that supplies collaborative, innovative, and outcome-driven acquisition solutions that support the Agency’s mission. Now called Procurement and Property Services or PPS, the newly structured program area focuses on:

- Offering excellent customer service.
- Supplying ongoing customer engagement.
- Ensuring transparency in all activities, including workload, cost and action status; reduces the cost to the agency for goods and services.
- Reducing the total cost per contract action.
- Increasing use of excess property disposals to generate revenue.

The new streamlined process supports collaboration across boundaries to:

- Address agency needs.
- Increase operational efficiency through new ways of allocating, managing and completing work.
- Handling recent policy changes, such as acquisition thresholds and warranting.
- Using national templates and standardized file formats to increase consistency and compliance.

This new effort is expected to reduce duplication by:

- Achieving Human Resources-recommended supervisory ratios and flattening organizational levels.
- Sharing policy oversight expertise agency-wide.
- Leveraging policy and oversight from USDA.
- Increasing awareness and usage of master contract vehicles.



Public Affairs (PAO)

The Alaska Region Public Affairs Office consists of a diverse team of creative, innovative and forward-thinking communication experts who collaborate to produce exemplary results through the management of:

- Strategic Communications, Content Strategy, and Issue Management
- Media Relations and Analysis
- Digital and Online Communications
- Visual Information and Publication
- Administrative Resources and Analytics

The communications team serves a diverse, but targeted audience that includes employees, partners, and the public who expect timely, transparent, and plain language communications. Our communication objectives include:

- Advising Alaska Region Leadership
- Providing accurate, relevant, and timely information
- Sustaining a proactive posture
- Designating Subject Matter Experts as spokespeople
- Supporting Speakers Bureau requests
- Conducting consistent employee, media, and intergovernmental outreach
- Ensuring communications are all-inclusive
- Managing all VIP visits and tours

We are committed to keeping these objectives through transparency, participation, collaboration, accountability, customer focus, professionalism, and outcome-based results.



Mark Brooks



Heritage

Long before the tall buildings sprang up in Anchorage and Juneau and cruise ships brought visitors to Alaskan shores, people made their home and life among the bounty of Alaska's forests and sea.

Archaeologists know of more than 6,000 precontact and historic cultural resources on the Chugach and Tongass National Forests. These sites bear witness to more than 10,000 years of Alaska Native and 250 years of European and American settlement.

The Alaska Region has four national historic landmarks and lists 64 sites on the National Register of Historic Places. The Heritage program emphasizes a balance between gathering knowledge and ensuring compliance with environmental and historic preservation laws. It seeks to encourage site protection through public awareness and stewardship.

Lands

The Lands program handles all aspects of land ownership, which includes acquisitions, land exchanges, administrative site disposals, and for coordination with the Bureau of Land Management about land entitlements for the state of Alaska under the Alaska Statehood Act, Alaska Native corporations under the Alaska Native Claims Settlement Act, and individuals under the Alaska Native Allotment Act. The Lands program also implements special legislation as it relates to land ownership.

Wilderness

There are 19 designated wilderness areas on the Tongass National Forest, making up 5.7 million acres. By law, these lands are to be managed in contrast with other National Forest System lands and are places where natural processes prevail, and people can seek solitude, risk, and the opportunity to explore extensive, undeveloped landscapes. The Chugach National Forest has one 2.1-million acre congressionally designated wilderness study area. These lands are managed to keep their potential for inclusion in the National Wilderness Preservation System.

Recreation, Lands, and Minerals (RLM)

Recreation, Lands and Minerals manages a diverse roster of programs that help carry out the Agency's mission to care for the land and serve people.

Recreation

Nationally and locally, people value Alaska's National Forests for the chance to go camping, fishing, cross-country skiing, viewing spectacular scenery, and to enjoy other outdoor activities. Increasingly, the public sees outdoor recreation as one of the greatest values of the national forests. The Alaska Region offers a wide range of recreational opportunities for all who visit its national forests.

Whether visiting the forests by cruise ship or kayak, by mountain bike or scenic byway, forest users will happen upon a well-maintained facility, knowledgeable forest guides, and spectacular scenery. Visitors and locals use trails, public recreation cabins, picnic areas and campgrounds in areas that range from urban to very remote. The Region keeps more than 190 public recreation cabins, over 900 miles of hiking trails, 27 public campgrounds and 37 picnic grounds.

The Alaska Region also maintains world-class visitor centers in Portage Valley on the Chugach National Forest, and in Juneau and Ketchikan on the Tongass National Forest. Nearly 1 million visitors enjoy these exceptional facilities every year.

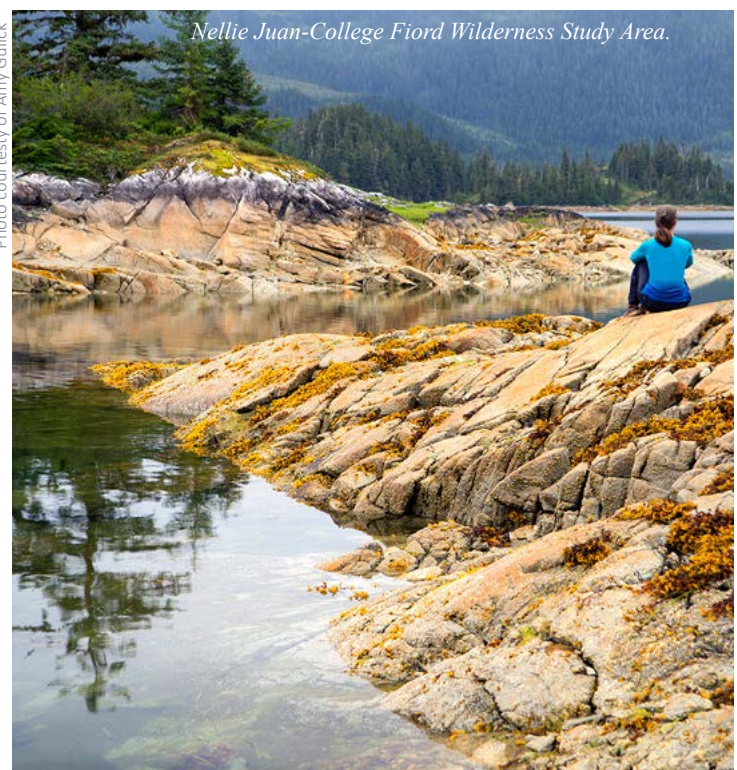
Interpretation and Conservation Education

The Alaska Region has an extensive interpretive and conservation education (I&CE) program that attracts about a million visitors a year through a unique mix of programs and facilities.

The I&CE program includes visitor services, visitor center operations, interpretive programs, interpretive signage, interpretive and educational planning, educational programming (both in-person and virtual), and the development of interpretive and educational materials. These programs provide outstanding opportunities to deliver key Forest Service messages while at the same time build connections to and foster stewardship of Alaska's National Forests for both Alaska residents and visitors. The Alaska Region maintains three visitor centers and one information site:

- Begich, Boggs Visitor Center in Portage Valley on the Chugach National Forest
- Crooked Creek Information Site in Valdez operated by the Chugach National Forest
- Mendenhall Glacier Visitor Center in Juneau on the Tongass National Forest
- Southeast Alaska Discovery Center in Ketchikan on the Tongass National Forest

Photo courtesy of Amy Gulick



Special Uses

The Forest Service manages over 192 million acres of national forests and grasslands that include the National Forest System (NFS). Today, our growing population and mobile society have created a demand for a variety of uses of these federal lands. Often these diverse needs require specific approval. The Forest Service provides services that support our national policy and federal land laws. The agency's special-uses program authorizes uses on National Forest System land that supply a benefit to the public and protect public and natural resources values. Currently, there are over 74,000 authorizations on the National Forest System lands for over 180 types of uses.

Each year, the Forest Service receives thousands of individual and business applications for authorization for use of National Forest System land for such activities as water transmission, agriculture, outfitting and guiding, recreation, telecommunication, research, photography, and video productions, and granting road and utility rights-of-way.

The Forest Service carefully reviews each application to decide how the request affects the public's use of National Forest System land. Normally, National Forest System land is not made available if the overall needs of the individual or business can be met on non-federal lands.

Alaska Region Special Uses Program at a glance:

- 298 outfitter-guide businesses operate under special use authorization.
- 10 Federal Energy Regulatory Commission (FERC) licensed hydroelectric projects operate under special use authorization. Three additional hydroelectric projects hold FERC licenses to operate, without associated special use permits. One FERC-exempt hydroelectric project is under development.
- 127 communications-related uses are currently permitted within the Alaska Region.
- 11 Motion Picture and TV Location (commercial filming) permits were authorized during FY21 for productions including documentaries, television series, and product advertisement.
- 77 isolated cabins are authorized under Section 1303(d) of the Alaska National Interest Lands Conservation Act (ANILCA); Five cabins pre-dating ANILCA are authorized under Section 1303(b) of the act.

Minerals and Geology

Alaska's National Forests have enormous potential as a future source of locatable minerals as well as some leasable mineral resources such as geothermal energy, and salable mineral materials. Precious and base metals, uranium and rare earth elements, limestone and marble, and sand, gravel, and stone are among the mineral resources found in the Chugach and Tongass National Forests.

The minerals program in the Alaska Region administers and monitors mining operations on Alaska's national forests to ensure that present operators use environmentally sound methods. Minerals specialists also evaluate past mining activities for environmental damage and develop remediation plans. The geology program in the Alaska Region is unique in the Forest Service. It is focused on the science and environmental issues of karst and cave management, glacial history, paleontology, and paleoecology. Research developments

USDA Forest Service photo



and discoveries of national and international significance are made annually in these fields.

While looking to balance environmental concerns, the minerals and geology programs provide local economic benefits and minerals of national economic, military, and industrial importance, along with scientific knowledge and advances in the understanding of our specialized geologic setting.

Landscape Architecture

Trails

The Alaska Region has approximately 1,600 miles of trails. Because of our wet soils, these trails require highly technical construction and have high maintenance costs relative to drier trail systems in other regions of the Forest Service. Trails are one of the primary means by which people experience their national forests. Use of trails by visitors and residents alike is growing, how trails are accessed is changing, and current and potential trail users are searching for diverse experiences. Forest Service trail professionals work with the public, communities, businesses, tribes, and local governments to proactively plan for sustainable trail systems that connect people to their land.

USDA Forest Service photo





*A hiker approaches Carter
Lake. Seward Ranger District,
Chugach National Forest.*

State, Private and Tribal Forestry (SPTF)

In Alaska, State, Private and Tribal Forestry handles technical and financial forestry-related aid to state and local governments, forest industries, the National Forest System, other federal agencies, and non-industrial private forest landowners. Team members offer a wide range of knowledge and skills to help state forestry agencies and other partners in their program efforts to sustain the forests of Alaska. Our mission is carried out through three major programs:

Forest Health Protection (FHP)

Forest Health Protection addresses forest health needs on the Tongass and Chugach National Forests and across diverse land ownerships statewide. This program supplies technical expertise to identify, monitor, and address forest health issues across the state. Staff are in Juneau, Anchorage, and Fairbanks and deliver financial assistance to federal, state, and private forest managers, universities, tribes, and the public. Professional staff include entomologists, pathologists and ecologists. Each year, FHP conducts aerial surveys for insect and disease damage covering 15 percent of Alaska's 127 million forested acres. Through partnerships, we deliver pest management information to the public. We use a variety of tools like site visits and community outreach events to transfer prompt forest health information to the public. This program further addresses invasive plants by funding local weed management areas to treat invasive plants. Current forest health issues include Spruce Beetle, Aspen Running Canker, Hemlock Sawfly, Elodea, Yellow-cedar Decline, and the on-going impact of climate and forest health.

Cooperative Forestry

The Cooperative Forestry Program supplies a wide range of technical and financial services for communities, tribes, and landowners in Alaska. Forest Stewardship offers natural resource planning services to non-industrial private forest landowners and Alaska Native corporations. Native corporations own 99 percent of Alaska's 20 million acres of private forest land, of which three million acres are currently under a stewardship plan. Our Wood Energy Program continues to encourage the use of wood for energy and biofuels production for use by local communities. The village of Craig, Alaska began using wood to heat their schools and community aquatic center in the fall of 2007. The Alaska Community Forestry Program encourages and supports sound management of forest ecosystems in Alaska communities. Six Tree Cities USA have been set up and three utility companies are known for protecting and enhancing urban forests.

Cooperative Fire Management

Through our Cooperative Fire Management Program, State & Private Forestry offers grants to train, equip, and organize state and volunteer fire departments. Federal excess personal property is loaned to the state of Alaska and to volunteer fire departments to support basic fire protection. About 50 percent of the state's fire vehicles are from the excess property program.

Strategic Priorities and Budget (SPB)

While some budget and finance duties across the agency are performed at the Albuquerque Service Center, the Alaska Region retains most budget and some fiscal duties for the Region. Alaska Region Budget staff handle budget and financial duties for the regional office and support the budget staffs on the Chugach and



Tongass National Forests. Functions of these two groups include:

- Fiscal work resident in the field
- Strategic business planning
- Program evaluation
- Data quality assurance
- Access to accurate budgetary, cost and performance information
- Regional Budget Allocations and execution

Tribal Government Relations (TR)

The Forest Service is a leader among federal land management agencies in partnering appropriately and collaboratively with Alaska Native people, Tribal Nations, and Alaska Native corporations for mutually beneficial outcomes. We implement agency programs and activities in a manner that honors tribal rights, fulfills the agency's trust responsibilities, and respects each independent Tribal Nation. Alaska Native people have stewarded and sustained their spiritual connection to Tongass and Chugach National Forest lands since time immemorial.

The Alaska Region values government-to-government relationships with tribes, acknowledging that these relationships are distinct from those with other interests or constituencies. The Region supports partnerships that integrate tribal perspectives on land management, recognizing that Alaska Natives are the land's first stewards, conservationists, and multiple users. The Region promotes tribal economic development by strengthening its employment and outreach efforts to tribes, building capacity through contracts and cooperative agreements, and improving economic diversity in tribal and rural communities.

Policy documents such as agency and USDA handbooks and manuals detail our policies, protocols, and standards with regards to consultation and coordination with Tribal Nations and Alaska Native corporations. The policy documents underscore the Alaska Region's emphasis on:

- Maintaining strong relationships with federally recognized tribes, Alaska Native corporations, and other entities.
- Incorporating traditional ecological knowledge and values in our consultations, communications, and everyday management.
- Collaboratively managing with tribes, the stewardship of the land and its natural resources.

Tribal relations in the agency pertains to all Forest Service deputy and mission areas. Every day, our service to the Forest Service mission affects Alaska Native people and natural and cultural resources vital to their well-being. Every Forest Service employee is responsible for delivering the agency's trust responsibilities to tribes. We strive to be good neighbors and provide excellent customer service to strengthen and nurture relationships.



RLT Partners

Human Resources (HR)

Human Resources Management offers HR services to all Forest Service employees across the country from the beginning of their career until they leave the agency. We are a national program, with most of our employees in Albuquerque, New Mexico at the Albuquerque Service Center; however, we have hundreds of employees found in field units at all levels of the agency.

Law Enforcement and Investigations (LEI)

Law enforcement plays an integral role in the management of National Forest Systems land. As a full partner with all management programs in the Alaska Region, the Law Enforcement and Investigations team strives to serve people, provide for public and employee safety, and protect the resources and property under the authority of the Forest Service. The law enforcement organization is a diverse workforce committed to integrity, professionalism, and exemplary public service. Protecting the natural and cultural resources of this nation is no small task, and the challenges that the dedicated employees in Alaska face every day are enormous. Law enforcement operations considered routine elsewhere in the U.S. take on a different level of complexity and danger in the remote and rugged Alaska frontier. Alaska officers face a range of challenging conditions including extensive travel by boat and plane, variable and extreme weather conditions, lack of improved roads, and a scarcity of other law enforcement officers to back them up in remote areas.

Patrolling Forests

Patrol, usually by boat, and most recently with the use of an amphibious de Havilland DHC-2 Beaver, of the nearly 11,000-mile shoreline of the Tongass National Forest can be risky and difficult. Like the Tongass, extended boat and aircraft patrols are possible on the Chugach, however, the severe weather conditions associated with the Gulf of Alaska can make these perilous.

Staff must be prepared, well-trained, use good common sense, and make sound judgments, in order to ensure their safety and complete their work. Forest Service officers engage in cooperative patrols with the U.S. Coast Guard, U.S. Fish and Wildlife Service, Alaska Wildlife Troopers, Alaska State Troopers, local police departments, and at times, Canadian regulatory agencies

to improve officer safety and achieve our common goals of law enforcement and public safety. Our officers are also commissioned Alaska State Peace Officers, offering them greater flexibility in carrying out the overall law enforcement and public safety mission.

Evolving Responsibilities

Law Enforcement and Investigations personnel in Alaska enforce the same Forest Service regulations and federal laws as their counterparts in the Lower 48, with one very notable exception. In Alaska, this group is the single regulatory authority on National Forest Service lands compared to federal subsistence wildlife and fisheries enforcement. As mandated by the Alaska National Interest Lands Conservation Act (ANILCA) Title VIII, the primary focus in subsistence management is to protect the customary and traditional harvesting of fish, wildlife, and other natural resources, by qualified rural Alaskans. Since 1992, staff have been actively involved in fulfilling this mandate.

This broadening of responsibility added a new level of complexity to the duties of Forest Service law enforcement in Alaska. It brought about an exponential growth in workload as well as significant political and socioeconomic pressures to be proactive in protecting the subsistence priority.

The Office of General Counsel (OGC)

The Office of the General Counsel (OGC) is an independent legal agency within the U.S. Department of Agriculture (USDA). OGC provides legal advice and services to the Secretary of Agriculture and to all other officials and agencies of the Department with respect to all USDA programs and activities. All legal services are centralized within OGC and the General Counsel reports directly to the Secretary.

The General Counsel is the chief law officer of USDA and handles legal services for all programs, operations, and activities of USDA. Two Deputy General Counsels, five Associate General Counsels, and four Regional Attorneys assist the General Counsel in managing the work of the office. A Senior Counselor also provides assistance in the Immediate Office of the General Counsel.

OGC offers legal services and legal oversight required by the Secretary of Agriculture and USDA to achieve the Department's mission and deliver programs and services to the American People.

Pacific Northwest Research Station

(PNWRS)

The Pacific Northwest (PNW) Research Station is a leader in the scientific study of natural resources. We generate and communicate impartial knowledge to help people understand and make informed choices about natural resource management and sustainability. The Station has 11 laboratories and research centers in Alaska, Oregon, and Washington as well as 12 active experimental forests, ranges, and watersheds.

The Station is organized into Five Programs:

Ecological Process and Function Program advances and communicates knowledge of fundamental ecological processes and their interactions at multiple scales and develops applications that enable improved management of ecosystems and resources.

Goods, Services, and Values Program conducts and communicates research that advances understanding of relationships among people and forest and rangeland ecosystems. We examine how the public perceives and values ecological functions, goods, and services and how these factors influence people's use and management of landscapes.

Land and Watershed Management Program increases understanding of terrestrial, aquatic, and riparian ecosystems and their linkages to inform management and policy options and develops tools to enhance or maintain the production of desired goods and services.

Resource Monitoring and Assessment (RMA) Program improves forest and range ecosystems by developing and applying inventory and monitoring method to keep current comprehensive inventories and conduct multiscale assessment of the status, trends, and future outlook for Pacific Northwest ecosystems.

Threat Characterization and Management Program generates knowledge about the nature, causes, and consequences of large, rapid, or significant changes to ecosystems that potentially

- Laboratories
- Experimental forest or range



threaten societal values. We use our knowledge to develop and deliver innovative and effective strategies, methods, and tools so that people can plan, manage, or mitigate changes and their causes and consequences. PNW Research Station also administers the Western Wildland Environmental Threat Assessment Center and the Northwest Climate Hub.

Alaska Research Emphases

Anchorage Lab

Anchorage Forestry Sciences Laboratory (Anchorage Lab) traces its roots to Juneau's Institute of Northern Forestry, where in the 1950s, forest surveys were led by the Pacific Northwest Forest and Range Experiment Station. The lab moved to Anchorage in the 1970s as the National Forest System ramped up partnerships with Anchorage-based partners. By 1979, the "Alaska Forest Inventory Program" was up and running at the Anchorage lab.

Unique challenges of the "last frontier" pushed new frontiers in forest inventory methods at the Anchorage Lab. The sheer scale of the Alaskan wilderness led to increased reliance on remote sensing data, like high-altitude aerial photography. Leadership in collecting forest survey data from earth-orbiting satellites, such as Landsat, arose from partnerships with the USGS Alaska Field Office. Innovation continues with sample designs and protocols geared towards large-scale inventory challenges in logistics, communications, terrain, and vegetation. Techniques to measure vegetation and downed woody debris developed at the lab are

used across the United States. Science tools like G-LiHT (Goddard's LiDAR, Hyperspectral & Thermal Imager), developed jointly with NASA and other partners, permit forest surveyors nationwide to measure soil carbon and other key inventory data, then link observations to remotely sensed images.

Juneau Lab

The Juneau Forestry Sciences Lab traces its roots to the Alaska Forest Research Center, established at Juneau in 1948 and was reorganized as the “Northern Forest Experiment Station” in 1961. This station lasted six years before being assigned to the Pacific Northwest Research Station as its “Institute of Northern Forestry” in 1966. A Forestry Science Lab was established the following year, in 1967. The lab housed Alaska’s Forest Inventory and Analysis unit through 1978. The Juneau lab was reorganized in 1984 to research how timber harvests fit multi-resource management goals mandated by the National Forest Management Act of 1976. Research involved six PNW Research Work Units outside of Alaska: Recreation, Utilization, Forest Engineering, Production Economics, Foreign Trade, and Resource Management Impacts.

The Alaska Coastal Rain Forest Center (ACRC) is co-located with the Juneau lab. The Center is geared towards research on temperate rainforests. Research station scientists investigate climate science, fisheries, vegetation, and watershed management. Timber management strategies related to young forest growth, old growth, and forest health and disease are also research strengths.



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Fairbanks Boreal Ecology Cooperative Research Unit

The Boreal Ecology Cooperative Research Unit (BECRU) works to understand the structure and function of the dynamic boreal forest. It is the northernmost outpost of the Forest Service. The 12,486- acre Bonanza Creek Experimental Forest is about 20 miles southwest of Fairbanks. The unit’s goals are to conduct research designed to understand interactions between climate, disturbance, and ecosystems in central and northern Alaska, develop conceptual and real models of multiple spatial and temporal scales of pattern in Alaska vegetation, and lead cooperative research at the Bonanza Creek Long-Term Ecological Research (LTER) site. The majority of research at Bonanza Creek Experimental Forest is done under the auspices of the Long- Term Ecological Research program. LTER research is organized around three themes: (1) forest dynamics, (2) the changing boreal carbon cycle, and (3) regional and landscape controls over disturbance ecological resilience through a combination of long-term monitoring of control sites, modeling, geographic information system analysis, and experimental studies.

Alaska Wood Utilization Research and Development Center

The Alaska Wood Utilization Research and Development Center (AWURDC) was established in 1999 to “unify and enhance opportunities for economic assistance to workers, families, businesses, and communities affected by the changing timber industry in Southeast Alaska” (former Department of Agriculture Secretary, Dan Glickman). AWURDC provides research, tools, and new ideas for improving economic growth in southeast Alaska communities. Research highlights include exploring feasibility of using wood for power generation, optimizing kiln-drying methods, and work to create a durable wood products industry in Alaska. Wood products research ranges from consumer preferences for consumer goods to supply chain dynamics and wood energy markets.

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Shrode cabin, Glacier Ranger District, Chugach National Forest. Barbara Lydon.