

D. HUMAN RESOURCE USES

1. Fish Hatcheries and Associated Ocean Net Pens

All five species of Pacific salmon are produced in hatcheries in the subarea. In recent years, hatchery production has accounted for the majority of the commercial salmon harvest in the Sound. Direct telephone communication with all but the Solomon Gulch and Gulkana hatcheries is difficult or impossible. The easiest means of notifying the remote hatcheries is via the PWSAC office in Cordova listed below.

The hatchery activities most vulnerable to spill damage include fry rearing and release, terminal harvests and egg takes. However, since the timing of these activities varies by hatchery and species, it is difficult to generalize about what occurs when, although spring and summer will tend to be the most critical times. Hatchery managers should be contacted for specific information.

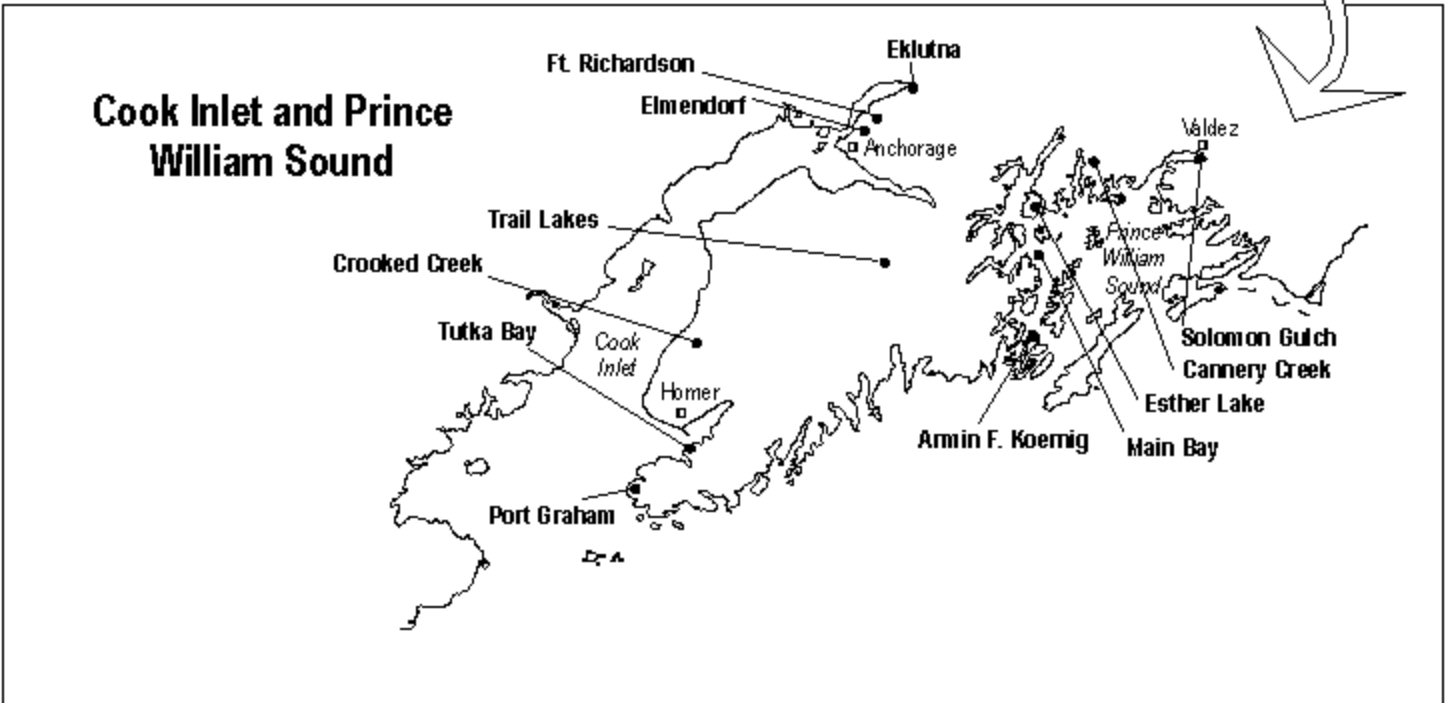
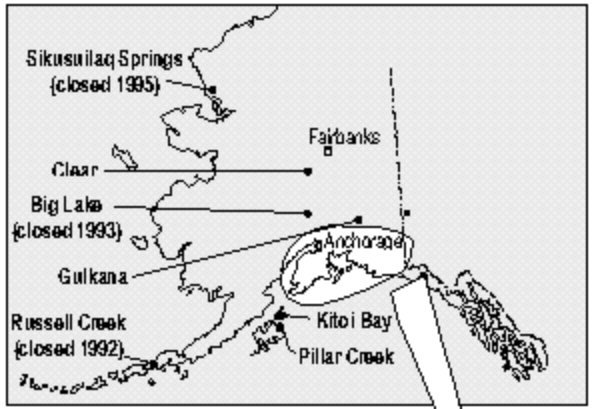
Currently, there is remote release of chum salmon to Port Chalmers on north Montague Island originating from the WN Hatchery. Main Bay Hatchery releases coho to Solf Lake. There is a remote release of coho salmon to Whittier, Chenega and Cordova from the WN Hatchery.

For additional information on hatcheries in Prince William Sound contact the Alaska Department of Fish and Game in Juneau at 465-6152.

Fish Hatcheries

<u>Operator, Hatchery, City, Phone</u>	<u>Species</u>
Prince William Sound Aquaculture Assoc.: Main Bay Hatchery, Cordova 835-4193	sockeye
Cannery Creek Hatchery, Whittier 424-7511	pink
Gulkana Facilities, Glennallen 822-5141	sockeye
AFK Hatchery, Cordova 573-5136	pink
WN Hatchery, Cordova 265-9618	pink, chum, coho,
Valdez Fisheries Development Assoc.: Solomon Gulch Hatchery, Valdez 835-1329	pink and coho

Locations of Hatcheries in Prince William Sound, Interior, and Southcentral Alaska



2. Aquaculture Sites

Commercial aquatic farms are currently raising Pacific oysters in Prince William Sound. The number of applications for aquatic farm permits is on the rise and the number of farms may increase significantly in the near future. The locations of the current shellfish farms granted permits are shown in the following figure.

Aquatic farms are vulnerable to spill damage on a year-round basis since the shellfish are suspended from anchored gear and are submerged continuously in the water column. Harvest takes place year round. For more information contact:

Aquaculture Coordinator
Alaska Department of Fish and Game
Juneau: 465-6150 Anchorage: 267-2333

Alaska Department of Environmental Conservation
Anchorage: 269-7638

Alaska Department of Natural Resources
Anchorage: 269-8546

Or try the internet at: <http://www.asgdc.state.ak.us/maps/cplans/pws/pws3aqua.pdf>

insert aquafarm map here

<http://www.asgdc.state.ak.us/maps/cplans/pws/pws3aqua.pdf>

Prince William Sound Active Aquatic Farms
(Alaska Department of Natural Resources)

Map Code	Company	Contact	City	Telephone
ADL 225239	Aquabionics, INC/New Wave Seafoods	Jack Van Hying	Prince William Sound/Perry Island	479-2476
ADL 225257	Dojer LTD	Gerald Protzman	Prince William Sound/Fairmont Cove	472-2319
ADL 225295	Pristine Products	David Sczawinski	Prince William Sound/Wells Passage	255-2340
ADL 225296	Pristine Products	David Sczawinski	Prince William Sound/Eaglek Bay	255-2340
ADL 225865	Tatitlek Mariculture Project	Tatitlek IRA Council	Prince William Sound/Tatitlek Narrows	424-3777
ADL 226332	C.C. Oyster Company	David Chipman	Prince William Sound/Windy Bay	
ADL 226577	Pristine Products	David Sczawinski	Prince William Sound/Squaw Bay	255-2340
ADL 226846	Eagle Shellfish Farm	James Aguiar	Prince William Sound/Simpson Bay	424-3482
ADL 226874	Windy Bay Oyster Company	John Wiese	Prince William Sound/Windy Bay	424-7754
ADL 227611	McClure Bay Oyster Farm	William Kelley	Prince William Sound/McClure Bay	

Insert aqua farm map for Blue Fiord and McCLure Bay here

<http://www.asgdc.state.ak.us/maps/cplans/pws/PWSbluefiordmclurebay.pdf>

Insert aqua farm map of Fairmont Bay here

<http://www.asgdc.state.ak.us/maps/cplans/pws/PWSfairmont.pdf>

Insert aqua farm map of Perry Island here

<http://www.asgdc.state.ak.us/maps/cplans/pws/PWSperryisland.pdf>

Insert aqua farm map of Simpson and Windy Bays here

<http://www.asgdc.state.ak.us/maps/cplans/pws/PWSsimpsonwindybays.pdf>

Insert aqua farm map of Squaw Bay here

<http://www.asgdc.state.ak.us/maps/cplans/pws/PWSsquawbay.pdf>

Insert aqua farm map of Tatitlek here

<http://www.asgdc.state.ak.us/maps/cplans/pws/PWStatitlek.pdf>

3. Historic Properties

The subarea contains a multitude of known and unidentified archaeological and historic sites. These sites are not identified here, in order to protect them from scavenging. Oil spills and hazardous substance releases may result in direct and/or indirect impacts to those historic properties. On-Scene Coordinators are responsible for ensuring that response actions take the protection of historic properties into account and that the statutory requirements for protecting them are met. Annex M of the Unified Plan outlines Federal On-Scene Coordinator responsibilities for protecting historic properties and provides an expedited process for compliance with Section 106 of the National Historic Preservation Act during the emergency phase of a response.

4. Subsistence and Personal Use Harvests

Subsistence-related uses of natural resources play an important role in the economy and culture of many communities in the subarea. A subsistence economy may be defined as follows:

...an economy in which the customary and traditional uses of fish, wildlife and plant resources contribute substantially to the social, cultural and economic welfare of families in the form of food, clothing, transportation and handicrafts. Sharing of resources, kinship-based production, small scale technology and the dissemination of information about subsistence across generational lines are additional characteristics.

Before 1990, the State of Alaska made all decisions regarding the management of fish and wildlife resources and harvest opportunities. In 1990, however, Federal agencies became responsible for assuring a federal subsistence priority on Federal public lands, and in 1999 on Federal reserved waters. The Federal Subsistence Board adopts subsistence regulations that are administered by various Federal agencies on Federal public lands. State regulations still apply on all lands, and the State is still the manager of fish and wildlife on all lands and waters in Alaska. As a consequence, the number of agencies involved in regulating subsistence uses has increased. Therefore, in the event of a spill, more extensive coordination will be required in order to address subsistence resources. Regulations regarding subsistence harvest can also be expected to undergo regular modification. Current information on harvest regulations can be obtained from the Alaska Department of Fish and Game, Subsistence Division at Anchorage: 267-2353; or the U.S. Fish and Wildlife Service Office of Subsistence Management at Anchorage: 786-3888.

Subsistence uses in the area are extensive and vary by season, resource, and village. Some information about subsistence uses is community-sensitive. Contacts for potentially affected communities are identified in the Response Section, Part One.

Useful information on the Copper Basin/Upper Tanana areas can be found in the following publication:

MacMillan, Patricia O. and S.V. Cuccarese. 1988. Alaska Over-the-Horizon Backscatter Radar System: Characteristics of Contemporary Subsistence Use Patterns in the Copper River Basin and Upper Tanana Area. Vol. II, Appendices. Arctic Environmental Information and Data Center, Anchorage.

5. Commercial Fishing

The following chart provides general information on the timing of major commercial fisheries in the subarea. It must be remembered, however, that all fishing seasons are subject to emergency openings and closures and that many seasons are only open for a portion of the times specified in the regulations. Also, fishing regulations and seasons can change from year to year. Specific information on which species are currently being harvested may be obtained from the Alaska Department of Fish and Game, Commercial Fisheries Division in Anchorage.

Maps of key commercial fishing areas are available in the following Alaska Department of Fish and Game publications: the Alaska Habitat Management Guide Reference Maps, Southcentral Region, Vols. 1 and 2 and the Alaska Habitat Management Guide, Southcentral Region Map Atlas.

Economically speaking, the salmon fishery is the most important commercial harvest activity. Pink salmon, produced in large part by the Prince William Sound hatcheries, are the mainstay of the industry, although the Copper River sockeye gill net fishery is also very productive. Copper River sockeye are also the first major salmon run of the season, starting in mid-May. The herring fishery has historically been economically significant, but the stocks have been depressed and the fishery has been closed since 1990. Recent commercial production within the pink salmon and herring fisheries in Prince William Sound have been poor.

The following groups can be contacted with requests for specific information on location and timing of fish and wildlife as well as local current conditions. Although the primary function of these organizations is not to provide such information, the individual members will be quite knowledgeable about environmental conditions and will often be willing to share information.

Cordova District Fishermen United
Cordova
424-3447
FAX 424-3430

Prince William Sound Aquaculture Corporation
Cordova
424-7511

Valdez Fisheries Development Association
Valdez
835-1329

Cordova Aquatic Marketing Association
Cordova
424-3458

Alaska Shellfish Grower's Association
Anchorage
248-7709

Insert commercial fish chart here

6. Sport Fishing and Hunting

Sport fishing and hunting occurs at a wide variety of locations in the subarea throughout the year. Seasons and harvest regulations vary depending on the species and the area, and may be changed from year to year. Contact the Alaska Department of Fish and Game for current seasons within the area of the spill.

7. Recreational Sites and Facilities

(see also Part 4.A, Land Management Designations)

(a) Parks, Picnic Areas, and Campgrounds

State: Name, Nearest Community

Bettles Bay State Marine Park, Whittier
Blueberry State Recreation Site, Valdez
Boswell Bay State Marine Park, Cordova
Canoe Passage State Marine Park, Cordova
Decision Point State Marine Park, Whittier
Dry Creek State Recreation Site, Glennallen
Eagle Trail State Recreation Site, Tok
Entry Cove State Marine Park, Whittier
Granite Bay State Marine Park, Whittier
Horseshoe Bay State Marine Park, Chenega Bay
Jack Bay State Marine Park, Valdez
Kayak Island State Marine Park, Cordova
Lake Louise State Recreation Area, Glennallen
Liberty Falls State Recreation Site, Chitina
Little Nelchina State Recreation Site, Glennallen
Little Tonsina State Recreation Site, Copper Center
Moon Lake State Recreation Site, Tok
Porcupine Creek State Recreation Site, Tok
Sawmill Bay State Marine Park, Valdez
Shoup Bay State Marine Park, Valdez
South Esther Island State Marine Park, Whittier
Squirrel Creek State Recreation Site, Copper Center
Surprise Cove State Marine Park, Whittier
Tok River State Recreation Site, Tok
Tolsona Creek State Recreation Site, Glennallen
Worthington Glacier State Recreation Site, Valdez
Zeigler Cove State Marine Park, Whittier

Bureau of Land Management: Name, Nearest Community

Alaska Public Lands Information Center, Tok
Tangle Lakes Campground, Paxson
Tangle River Campground, Paxson
Paxson Lake Wayside, Paxson
Paxson Lake Campground, Paxson
Sourdough Campground, Glenallen

U.S. Forest Service: Name, Nearest Community

Alaganik Bridge, Cordova

Alaganik Slough, Cordova
Cabin Lake, Cordova
Childs Glacier, Cordova

(b) Public Use Cabins (U.S. Forest Service):

Pigot Bay, Whittier
Shrode Lake, Whittier
Coghill Lake, College Fiord
Harrison Lagoon, Port Wells
Paulson Bay, Whittier
South Culross Passage, Whittier
San Juan Bay, Montague Island
Barber, Montague Island
Port Chalmers, Montague Island
Beach River, Montague Island
Nellie Martin River, Montague Island
Caribou Creek, Green Island
Double Bay, Hinchinbrook Island
Hook Point, Hinchinbrook Island
Shelter Bay, Hinchinbrook Island
Martin Lake, Copper River Delta
Softuk Bar, Copper River Delta
Pete Dahl, Copper River Delta
Tiedeman Slough, Copper River Delta
McKinley Trail, Copper River Delta
McKinley Lake, Copper River Delta
Power Creek, Cordova
Jack Bay, Valdez

For more information see the internet at:

<http://www.vacationalaska.com/info/publiclands/cabins.html>

(c) Public Anchorages and Moorings:

West Twin Bay, Perry Island
South Bay, Perry Island
Esther Bay, Perry Island
Head of Eaglek Bay, Perry Island
Deep Water Bay, Port Nellie Juan
Derickson Bay, Port Nellie Juan
Long Bay, Culross Passage
Picturesque Cove, Culross Passage
Applegate Island, Culross Passage
Goose Bay, Culross Passage
Shotgun Cove, Passage Canal
Jackson Hole, Glacier Island
Jackson Cove, Glacier Island
Jackpot Bay, Dangerous Passage
Marsha Bay, Dangerous Passage
Paddy Bay, Dangerous Passage
Granite Bay, Dangerous Passage

Ewam Bay, Dangerous Passage
Masked Bay, Dangerous Passage

ALASKA STATE PARKS
Alaska Department of Natural Resources
Division of Parks and Outdoor Recreation

Alaska State Parks in the Prince William Sound Region (maps and charts)

1. Cordova (SE Prince William Sound)
2. Valdez (NE Prince William Sound)
3. Whittier (NW Prince William Sound)

Chart Key

CS = Camp sites	W = Water, drinkable	C = Cabins
CL = Camping limit	S = Picnic shelter	D = Daily parking fee
CF = Camping fee	Tr = Trails	F = Fishing
P = Picnic sites	H = Historical feature	* = Tent camping only
T = Toilet	B = Boat launch	** = Annual passes not accepted
/a = Facilities are ADA accessible		*** = Sanitary dump station

SRA = State Recreation Area	SP = State Park	DU = Day Use
SRS = State Recreation Site	SMP = State Marine Park	GU = Group Use
SHP = State Historical Park	SWP = State Wilderness Park	CG = Campground
SHS = State Historic Site	TH = Trailhead	BL = Boat Launch

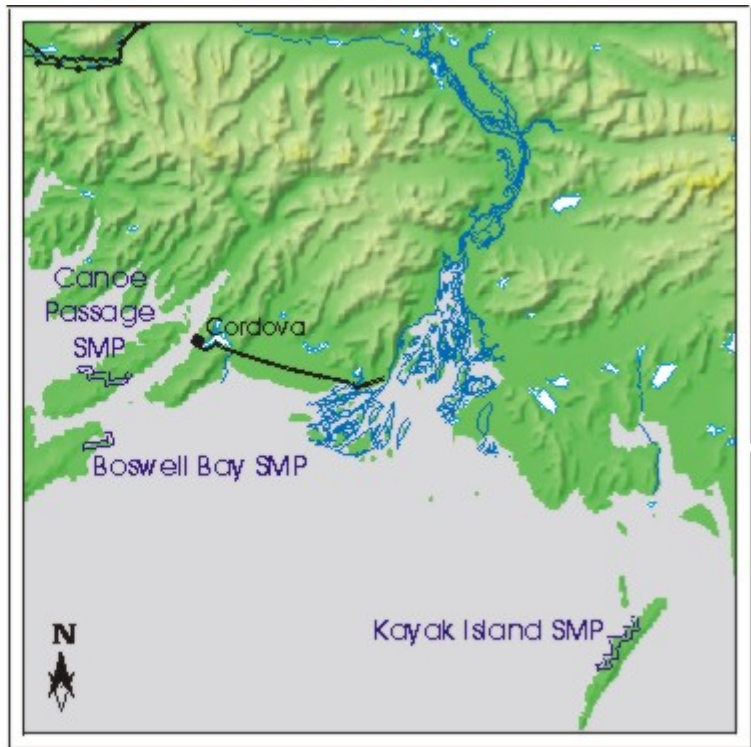
For further information: <http://www.dnr.state.ak.us>
or call 269-8700 (Anchorage Office)

To access maps and charts: <http://www.dnr.state.ak.us/parks/aspbro/statemap.htm>

Alaska State Parks near Cordova in SE Prince William Sound



This map is not intended to be used as a navigational aid.

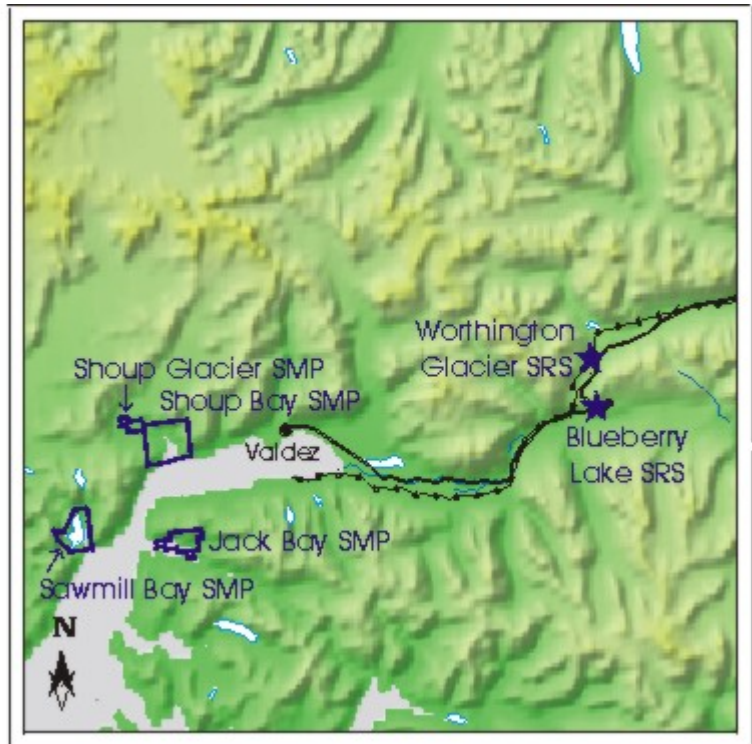


Park Unit	Acres	CS	CL	CF	P	T	W	S	Tr	H	B	C	D	F	Location
Boswell Bay SMP	799	■	■	■						■	■	■	■	F	No road access
Canoe Passage SMP	2,735	■	■	■						■	■	■	■	F	No road access
Kayak Island SMP	1,437	■	■	■						■	■	■	■	F	No road access

Alaska State Parks near Valdez in NE Prince William Sound



This map is not intended to be used as a navigational aid.

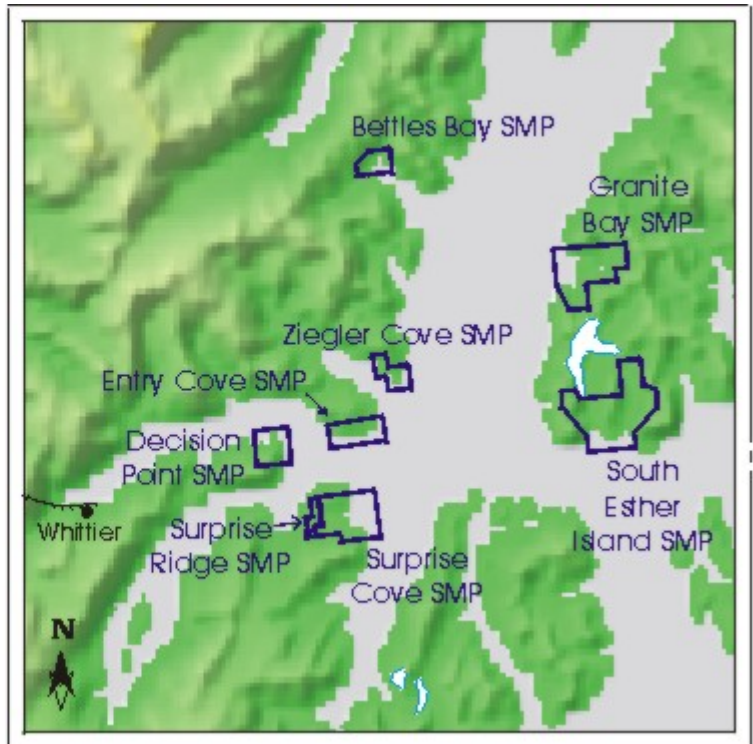


Park Unit	Acres	CS	CL	CF	P	T	W	S	Tr	H	B	C	D	F	Location
Blueberry Lake SRS	192	15	15	CF		T/a	W		Tr					F	23 Richardson Hwy.
Jack Bay SMP	811	3				T								F	No road access
Sawmill Bay SMP	2,320	3				T								F	No road access
Shoup Bay SMP	4,560	2				T/a			Tr			C/a		F	No road access
Shoup Glacier SMP	640				Undeveloped									No road access	
Worthington Glacier SRS	113					T			Tr						28.7 Richardson Hwy.

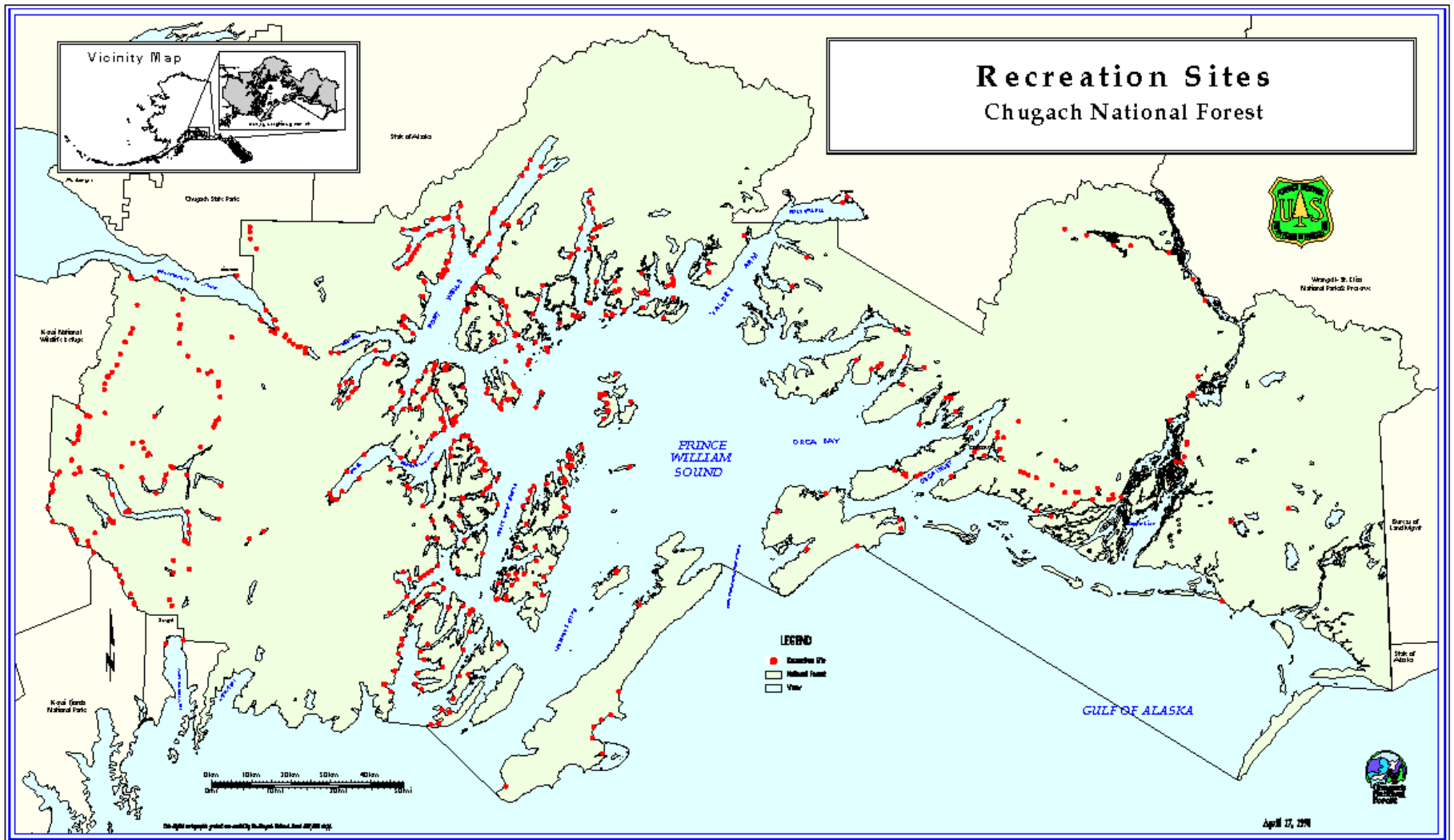
Alaska State Parks near Whittier in NW Prince William Sound

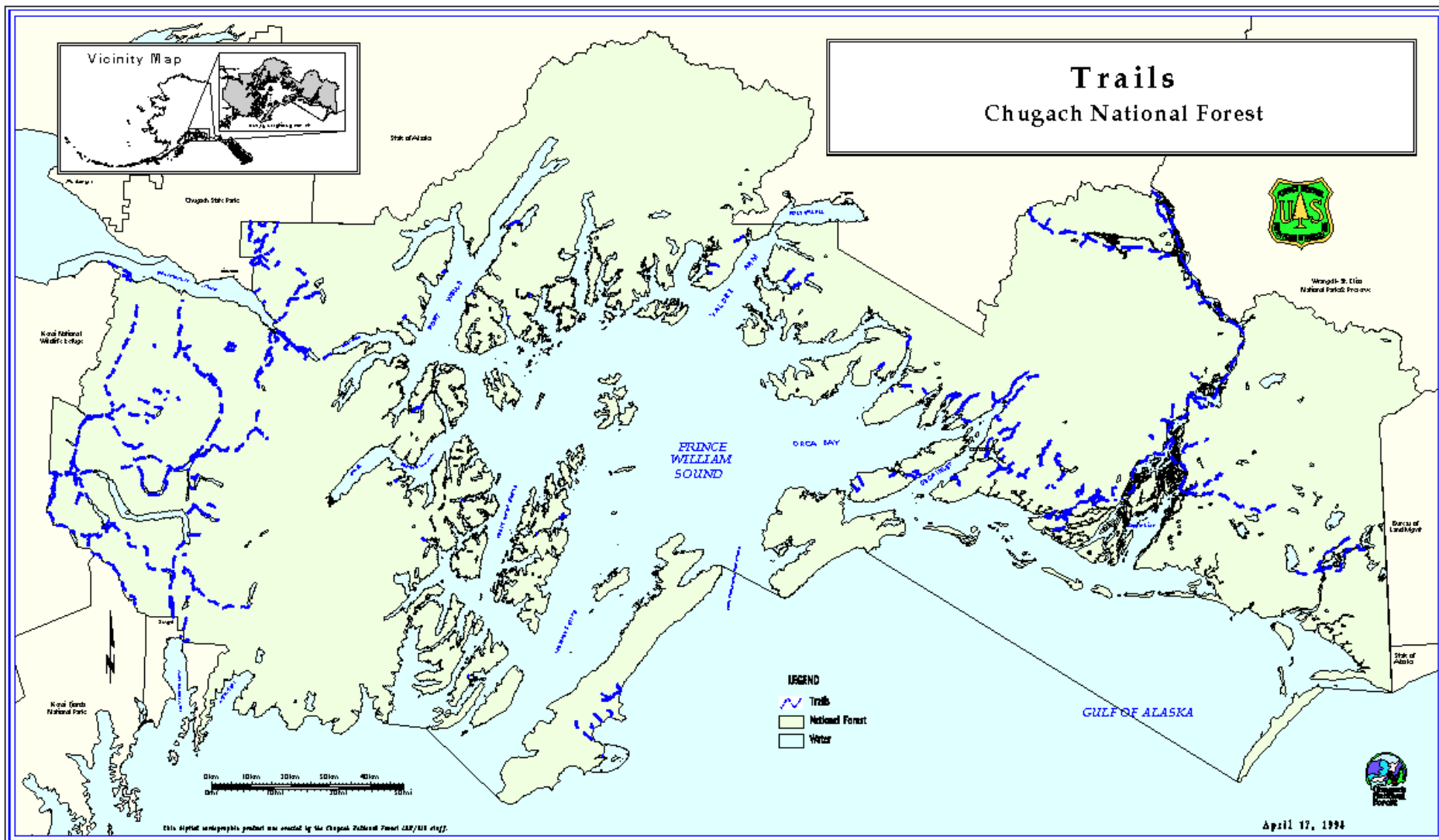


This map is not intended to be used as a navigational aid.



Park Unit	Acres	CS	CL	CF	P	T	W	S	Tr	H	B	C	D	F	Location
Bettles Bay SMP	680					Undeveloped								F	No road access
Decision Point SMP	460	4				T								F	No road access
Entry Cove SMP	370					Undeveloped								F	No road access
Granite Bay SMP	2,105					Undeveloped								F	No road access
South Esther Island SMP	3,360	2				T			Tr					F	No road access
Surprise Cove SMP	2,280	6				T			Tr					F	No road access
Surprise Ridge SMP	240								Tr						No road access
Ziegler Cove SMP	720					Undeveloped								F	No road access





8. Commercial Tourism

tour boat, cruise ship, and ferry boat routes and stops
small boat and kayak use areas
road and rail routes and nodes at Whittier, Valdez, and Glennallen
commercial airport access at Valdez and Cordova

Key locations of interest:

Growler Island
Harriman Fjord
Shoup Bay
Blackstone Bay
College Fjord

The following organizations can be contacted with requests for specific information on location and timing of recreation and tourism activities. Although the primary function of these organizations is not to provide such information, the individual members will be quite knowledgeable about environmental conditions and will often be willing to share information.

For additional information contact:

Alaska Division of Tourism	465-2012
Alaska State Chamber of Commerce	586-2323
Alaska Native Tourism Council	274-5400
Alaska Wilderness Recreation & Tourism Assoc.	463-3038

9. Marinas and Ports

(See Resources Section)

10. Fish Processing

The following table identifies fish processors, canneries, and shellfish processors operating in Prince William Sound and provides the general location in which they operate and how to contact them. The list excludes fishing vessels and shellfish harvesters.

Cordova:

Saint Elias Ocean Products, Inc.
Cordova 424-7171

Cannery Row Fish Co.
424-5920

Great Pacific Seafoods, Inc.
424-5481

Norquest Seafoods, Inc.
424-5930

Prince William Sound Aquaculture
424-7511

Copper River Delta Smokery
424-7111

Eyak Packing Co.
424-5300

North Pacific Processors
424-7111

Ocean Beauty Seafoods, Inc.
424-7171

F/V Aquarius
424-3385

Whittier:

Anchor Services Unlimited
472-2354

Great Pacific Seafoods, Inc.
472-2400

Prince William Sound Aquaculture
424-7511

Fairmount Island Seafoods
472-2319

F/V Wave Maker
982-2670

Valdez:

Alaska Pride Smoked Salmon, Inc.
835-5361

Big Dipper Seafoods, Inc.
835-5989

Nautilus Foods, Inc
835-4227

Sea Hawk Seafoods
835-4837

Solomon Gulch Hatchery
835-4874

Peter Pan Seafoods, Inc.
835-2080

11. Logging Facilities

The following organizations can be contacted with requests for specific information on location and timing of logging activities. Although the primary function of these organizations is not to provide such information, the individual members will be quite knowledgeable about environmental conditions and will often be willing to share information.

Koncor Forest Products
Anchorage
562-3335
FAX 562-0599

Alaska Forest Association
Ketchikan
225-6114

Current Log Transfer Facilities (LTFs) are:

<u>Location</u>	<u>Operator</u>
Montague Island, McCloud Harbor	Chugach Alaska Corp./Koncor Forest Products
Port Graham	Bureau of Indian Affairs
Orca Inlet	Eyak Corp.
Orca Bay	Eyak Corp.
Two Moon Bay	Tatitlek Native Corp.
Afognak Island, Discover Bay	Koncor Forest Products
Afognak Island, Kazakof Bay	Koncor Forest Products
Cordova	Eyak Corp.
Resurrection Bay	Seward Forest Products
Fish Bay	Tatitlek Native Corp.

Permits expired, suspended, or not issued:

Marmot Bay	Afognak Native Corp.
Nelson Bay	Eyak Corp.
Windy Bay	ITT Rayonier
Kachemak Bay	Kenai Pacific Lumber Co.
Port Chatham	Seward Forest Products
Koyuktofik Bay	English Bay Corp.

12. Water Intake and Use

See Attachment One for a list of water intake/use permits was generated from a database maintained by the Alaska Department of Environmental Conservation. The list shows "type A" water users, which are those systems serving 25 or more persons using the system for 6 or more months of the year. Additional information can be obtained from the Alaska Department of Environmental Conservation at 465-5350.

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