

The Chilkat Watershed - A Land of Superlatives

- The most biologically diverse region in all of Alaska*
- Highest vascular plant species richness in Alaska*
 Chilkat Valley birch-pine community is unique
- Highest number of bird species in Alaska
 as recorded by the USGS Breeding Bird Survey program
- A geographic and migratory corridor between temperate maritime and interior boreal forest ecoregions



The Chilkat Watershed - A Land of Superlatives

- Highest number of mammal species in Alaska 38
- Black bears, coastal brown bears, and interior grizzlies
- Moose are abundant and thriving
- Sitka blacktail deer are moving north into the Chilkat Valley
- Mule and whitetail deer may soon move south from Yukon
- Lynx are cyclically abundant, and mountain lions have been spotted on numerous occasions

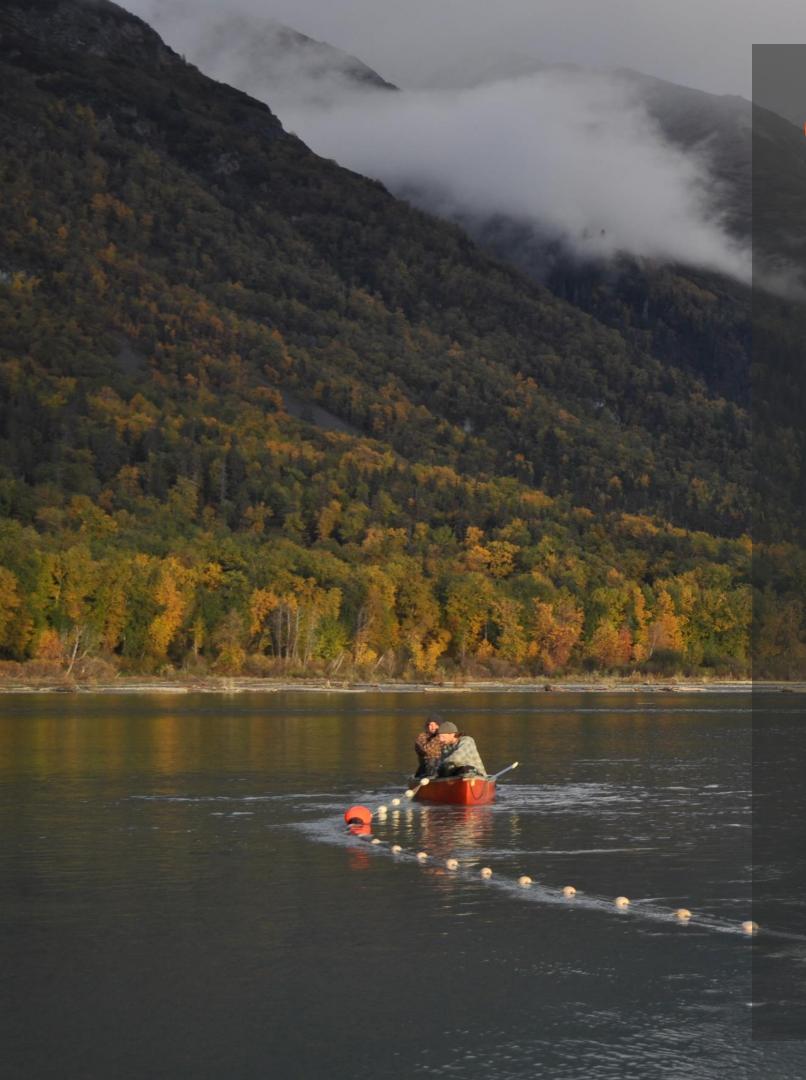
The Chilkat Watershed - A Land of Superlatives Eight species of anadromous salmonids Five salmon plus steelhead, cutthroat trout, and Dolly Varden One of the last large eulachon runs in North America



Chilkat River Salmon

"Returns of adult sockeye salmon to both Chilkat and Chilkoot lakes have declined substantially compared to historical records. For instance, catches of Chilkat sockeye salmon averaged 480,000 during 1900-1925 compared to 85,000 from 1975-2007 (Geiger and McPherson 2004)."

From the 2013 Golder Associates report commissioned by the Haines Borough



Chilkat River Salmon

650 miles of anadromous streams#1 sockeye producer in Southeast AK#1 chum producer in Southeast AK#2 coho producer (just barely behind Taku)

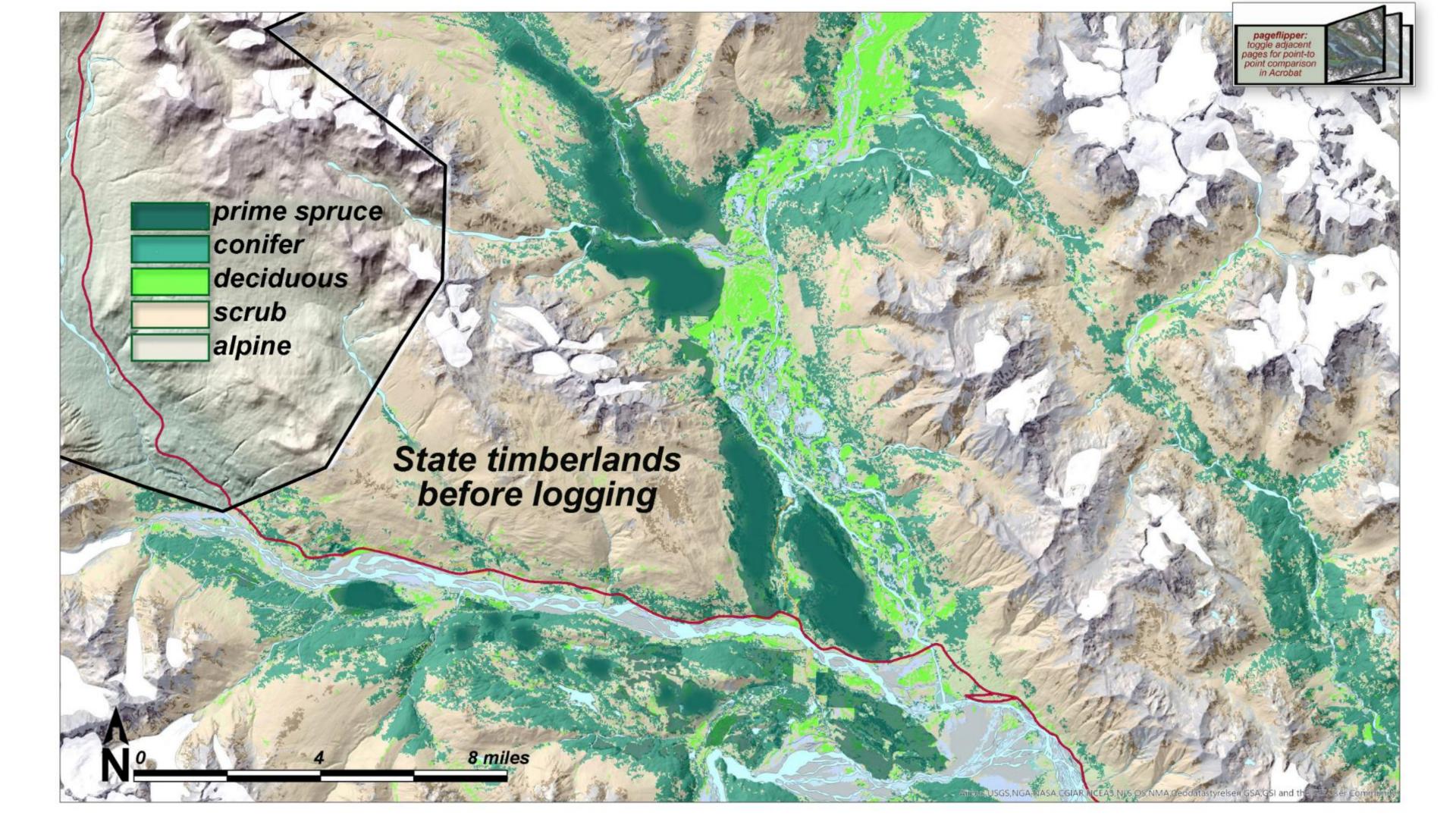
Unique late fall runs of chum and coho attract one of the largest congregations of bald eagles in the world

And today's runs are just a fraction of what we think they were in the past









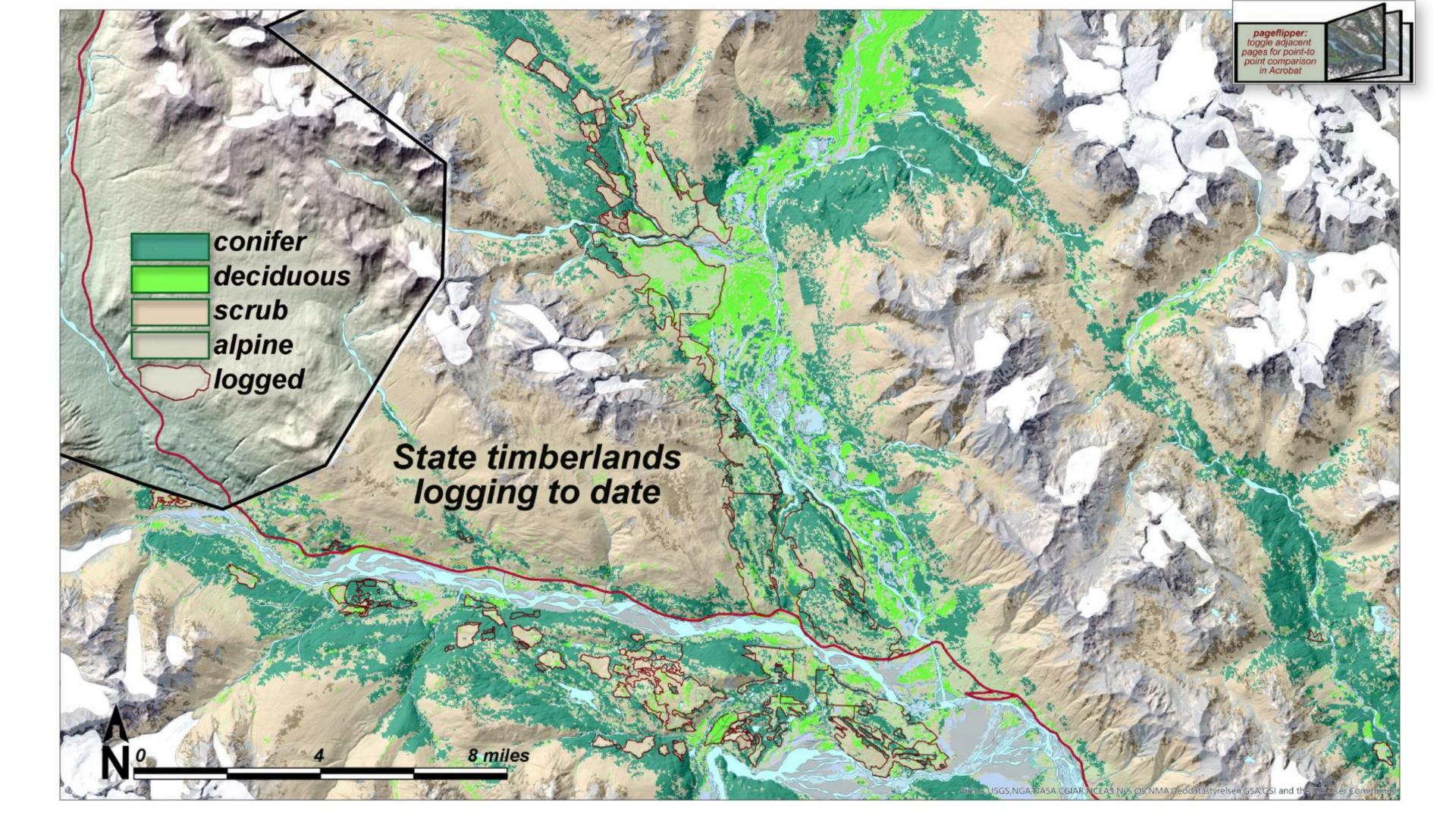




TABLE 3-7 Cumulative ecological risk based on projected possible change in habitat values for focal species and ecological systems within 22 biogeographic provinces in Southeast Alaska.

Biogeographic Province	Percentage of original habitat values at risk							
	Large-tree forest	Murrelet	Salmon	Bear	Deer	All (avg.)		
Chilkat River Complex	91.8%	90.7%	37.2%	82.0%		73.7%		
North Prince of Wales	64.7%	68.0%	63.7%	79.4%	66.3%	68.7%		
Kupreanof / Mitkof Island	71.6%	67.6%	67.1%	73.2%	61.7%	67.7%		
Etolin / Zarembo / Wrangell	70.0%	58.7%	23.9%	66.2%	50.9%	54.8%		
East Chichagof Island	52.2%	55.4%	45.1%	67.7%	53.1%	54.6%		
East Baranof Island	74.4%	52.0%	41.1%	53.1%	53.7%	53.6%		
Dall / Long Island Complex	51.8%	39.6%	43.7%	55.0%	49.0%	46.8%		
Kuiu Island	53.6%	37.9%	47.0%	54.5%	37.2%	46.2%		
Revilla / Cleveland Pen.	58.0%	42.0%	24.1%	57.7%	44.1%	45.5%		
Taku River / Mainland	51.8%	39.8%	34.6%	43.9%		42.6%		
Stikine River / Mainland	38.0%	32.7%	55.7%	39.1%		41.5%		
Yakutat Forelands	46.5%	31.5%	37.8%	38.8%		38.4%		
West Baranof Island	63.0%	27.7%	33.2%	37.8%	30.1%	38.2%		
Outside Islands	48.7%	29.0%	37.1%	37.6%	34.2%	37.4%		
Lynn Canal / Mainland	41.0%	30.2%	30.9%	45.3%		36.9%		
South Prince of Wales	36.3%	39.7%	13.6%	42.4%	35.6%	33.5%		
Admiralty Island	11.1%	7.4%	32.8%	15.5%	9.9%	15.5%		
North Misty Fjords	4.6%	2.8%	35.8%	6.0%		12.1%		
Glacier Bay		0.9%	18.6%	17.4%		10.3%		
South Misty Fjords	0.3%	0.2%	34.2%	4.0%		9.6%		
West Chichagof Island	0.7%	1.3%	19.6%	7.8%	5.1%	6.9%		
Fairweather Range		0.1%	2.9%	8.9%		3.5%		
All	49.7%	40.0%	42.6%	48.9%	45.9%	45.4%		

^a Regional data on condition and management of estuaries were not available for this analysis.

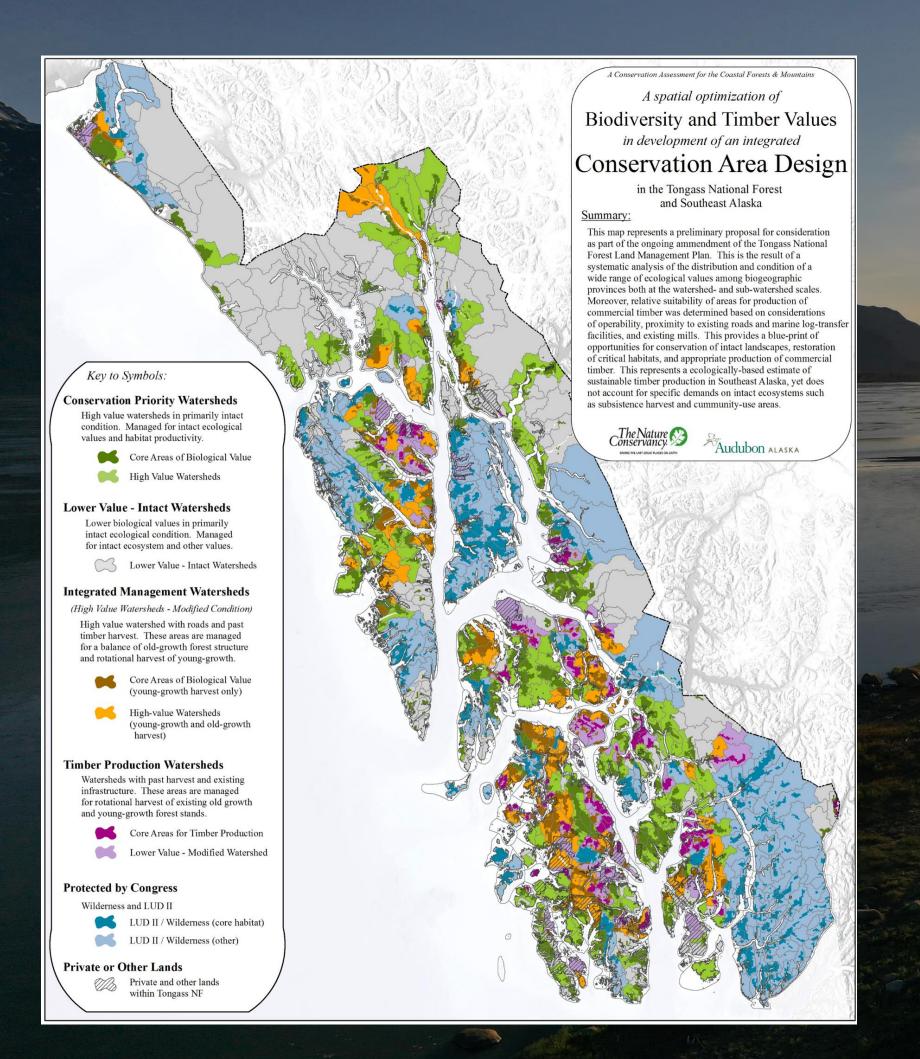


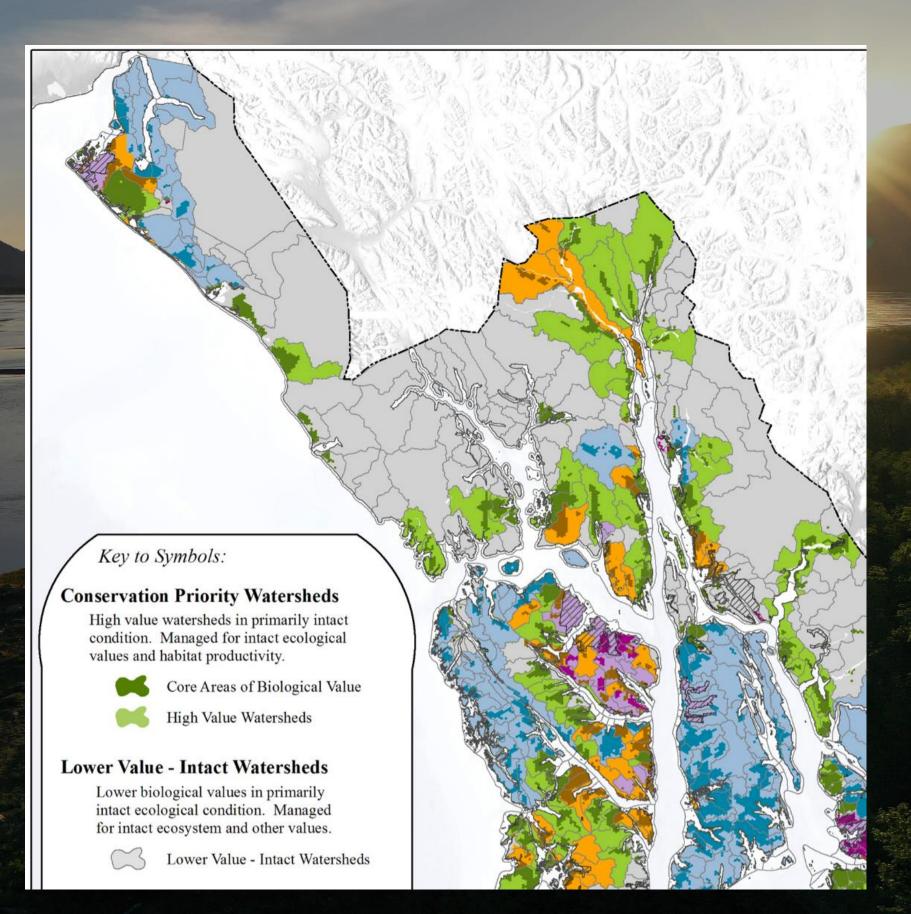
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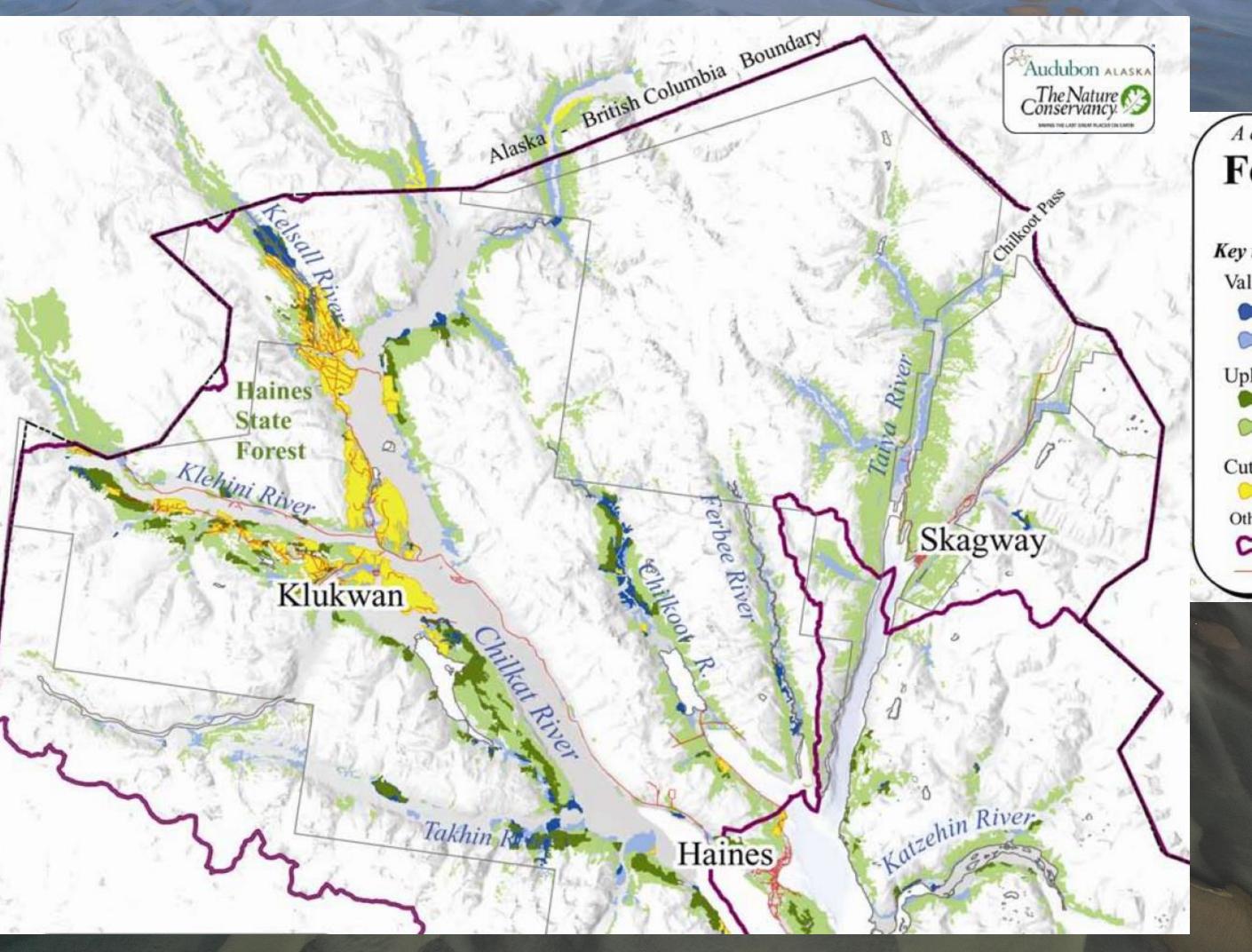
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A comparison of forest types and

Forest Condition

in the Chilkat River Province

Key to Forest Types:

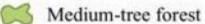
Valley Floor / Riparian Forest



Medium-tree forest

Upland Forest

Large-tree forest



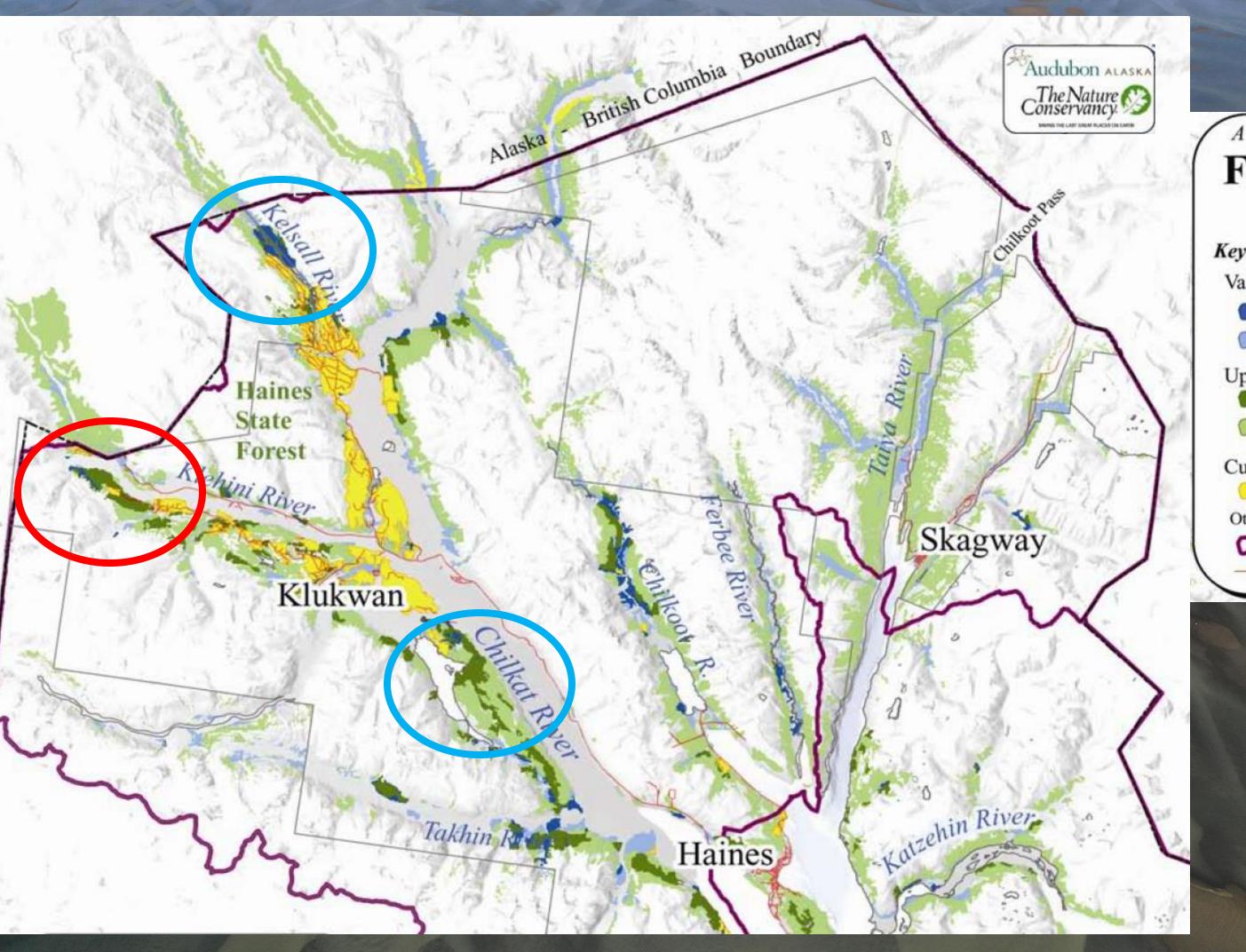
Cut Forest

Clear-cut & 2nd-growth

Other Features

Biogeographic Province Boundary

Roads



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The Chilkat Watershed - Conservation Concerns

- Hard rock mine development, tailings disposal, and perpetual water treatment liabilities in the upper Chilkat watershed
- The harvest and export of the few remaining stands of large tree old-growth forest
- Continued fish habitat destruction caused by development activities, especially highway upgrades and new road construction in support of resource extraction ambitions

The Chilkat Watershed - Conservation Activities

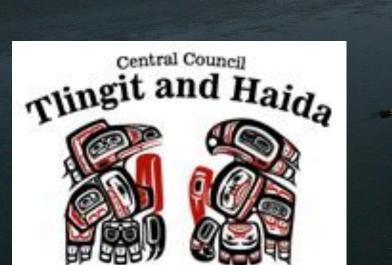
- Engaging with regulatory agencies, land managers, and developers
 Mitigate unavoidable impacts, and <u>avoid</u> unnecessary impacts
- Research and habitat restoration
 Direct on-the-ground actions that improve conditions for fish and wildlife
- Education, local outreach and engagement
 Building a community around common values—like salmon, and clean water
- Long-term conservation planning
 Local people, tribes, and organizations planning the future of the Chilkat Watershed to align with local values, history, and long-term visions





To TWC's friends and partners, Gunalchéesh! and Thank You!





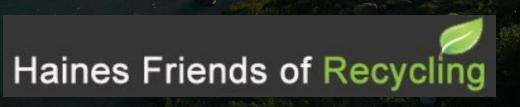
Indian Tribes of Alaska

















Chilkat Valley Community Foundation

An Affiliate of The Alaska Community Foundation





