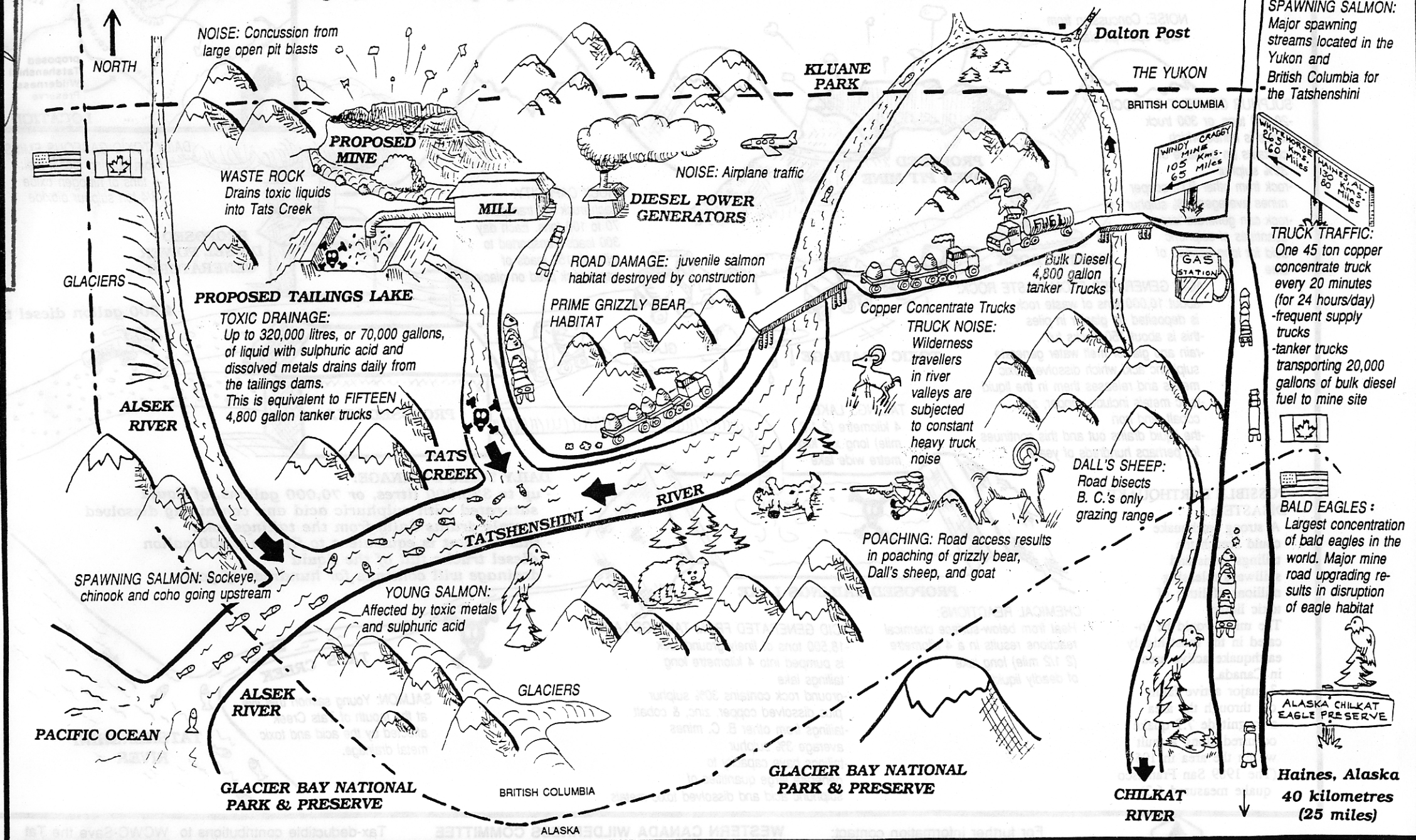


LOG NO: MAY 04 1990 VAN

ACTION: from El Lorenzen, also the CAC poster "Global Change" on Bullwin Road
FILE NO. 2-50 Windy Craggy

One Day in the Life of the Tatshenshini Area if the Proposed Windy Craggy Mine is Built

(Environmental hazards which would occur if Geddes Resources is allowed to construct a 105 km/65 mi long by 25 m/80 ft wide road and develop the Windy Craggy open pit copper mine)



NORTH

GLACIERS

ALSEK RIVER

PACIFIC OCEAN

NOISE: Concussion from large open pit blasts

WASTE ROCK
Drains toxic liquids into Tats Creek

PROPOSED TAILINGS LAKE

TOXIC DRAINAGE:
Up to 320,000 litres, or 70,000 gallons, of liquid with sulphuric acid and dissolved metals drains daily from the tailings dams.
This is equivalent to FIFTEEN 4,800 gallon tanker trucks

SPAWNING SALMON: Sockeye, chinook and coho going upstream

ALSEK RIVER

GLACIER BAY NATIONAL PARK & PRESERVE

YOUNG SALMON:
Affected by toxic metals and sulphuric acid

GLACIERS

BRITISH COLUMBIA

ALASKA

PROPOSED MINE

MILL

DIESEL POWER GENERATORS

ROAD DAMAGE: juvenile salmon habitat destroyed by construction

PRIME GRIZZLY BEAR HABITAT

KLUANE PARK

NOISE: Airplane traffic

Copper Concentrate Trucks

TRUCK NOISE:
Wilderness travellers in river valleys are subjected to constant heavy truck noise

POACHING: Road access results in poaching of grizzly bear, Dall's sheep, and goat

GLACIER BAY NATIONAL PARK & PRESERVE

Dalton Post

THE YUKON
BRITISH COLUMBIA

WINDY CRAGGY MINE
Kms. 105
Miles 65

Bulk Diesel 4,800 gallon tanker Trucks

GAS STATION

DALL'S SHEEP:
Road bisects B. C.'s only grazing range

SPAWNING SALMON:
Major spawning streams located in the Yukon and British Columbia for the Tatshenshini

WHITEHORSE 263 Kms. 160 Miles
HAINES AL 130 Kms. 80 Miles

TRUCK TRAFFIC:
One 45 ton copper concentrate truck every 20 minutes (for 24 hours/day)
-frequent supply trucks
-tanker trucks transporting 20,000 gallons of bulk diesel fuel to mine site

BALD EAGLES:
Largest concentration of bald eagles in the world. Major mine road upgrading results in disruption of eagle habitat

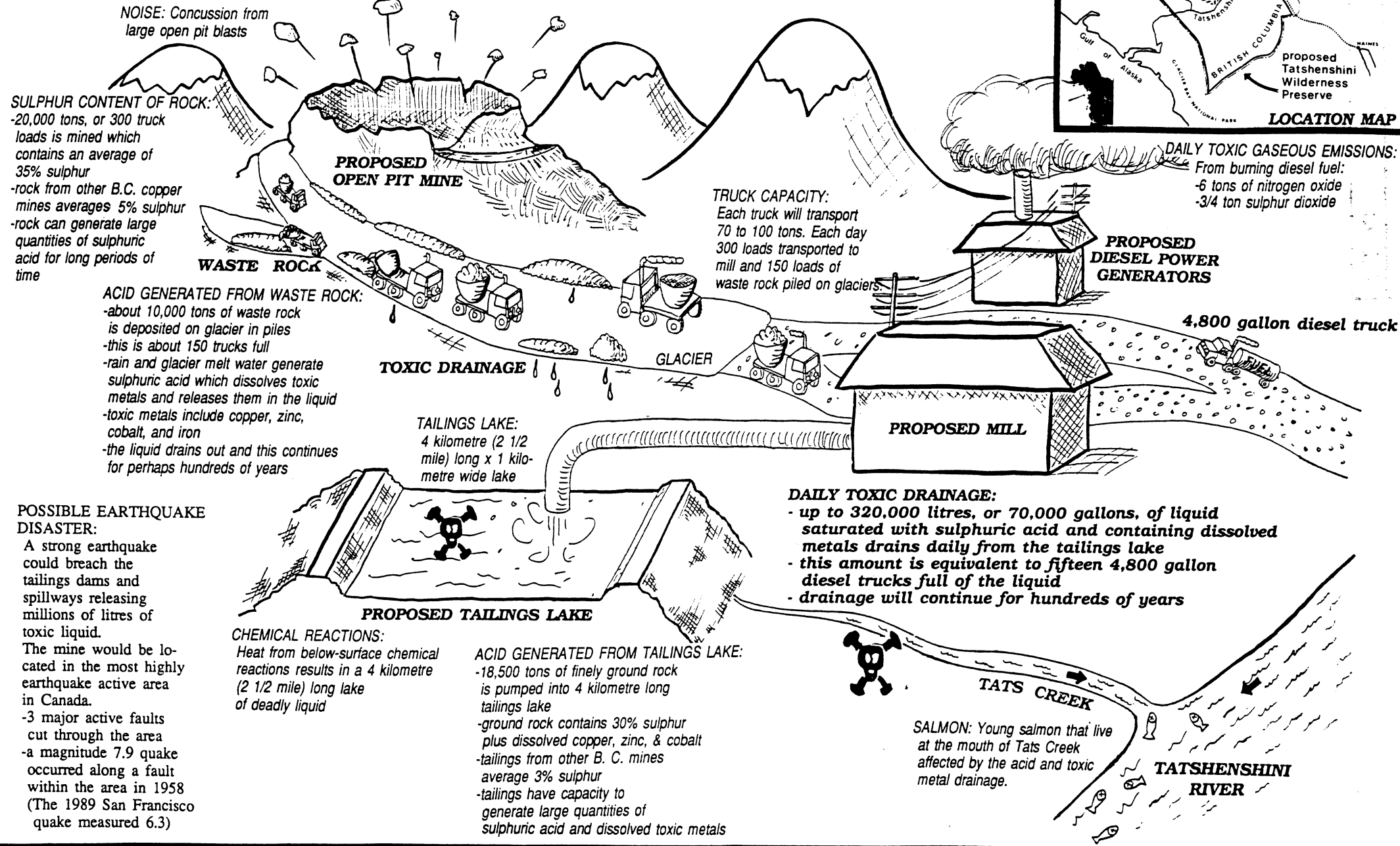
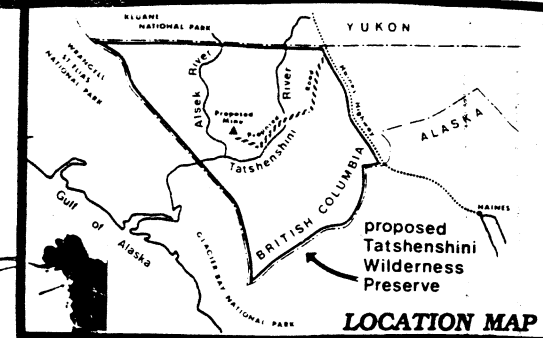
ALASKA CHILKAT EAGLE PRESERVE

Haines, Alaska
40 kilometres (25 miles)

CHILKAT RIVER

One Day in the Life of the Proposed Windy Craggy Mine

(The environmental hazards which would result from the proposed mine)



NOISE: Concussion from large open pit blasts

SULPHUR CONTENT OF ROCK:
 -20,000 tons, or 300 truck loads is mined which contains an average of 35% sulphur
 -rock from other B.C. copper mines averages 5% sulphur
 -rock can generate large quantities of sulphuric acid for long periods of time

ACID GENERATED FROM WASTE ROCK:
 -about 10,000 tons of waste rock is deposited on glacier in piles
 -this is about 150 trucks full
 -rain and glacier melt water generate sulphuric acid which dissolves toxic metals and releases them in the liquid
 -toxic metals include copper, zinc, cobalt, and iron
 -the liquid drains out and this continues for perhaps hundreds of years

POSSIBLE EARTHQUAKE DISASTER:
 A strong earthquake could breach the tailings dams and spillways releasing millions of litres of toxic liquid.
 The mine would be located in the most highly earthquake active area in Canada.
 -3 major active faults cut through the area
 -a magnitude 7.9 quake occurred along a fault within the area in 1958 (The 1989 San Francisco quake measured 6.3)

CHEMICAL REACTIONS:
 Heat from below-surface chemical reactions results in a 4 kilometre (2 1/2 mile) long lake of deadly liquid

ACID GENERATED FROM TAILINGS LAKE:
 -18,500 tons of finely ground rock is pumped into 4 kilometre long tailings lake
 -ground rock contains 30% sulphur plus dissolved copper, zinc, & cobalt
 -tailings from other B. C. mines average 3% sulphur
 -tailings have capacity to generate large quantities of sulphuric acid and dissolved toxic metals

TRUCK CAPACITY:
 Each truck will transport 70 to 100 tons. Each day 300 loads transported to mill and 150 loads of waste rock piled on glaciers

DAILY TOXIC GASEOUS EMISSIONS:
 From burning diesel fuel:
 -6 tons of nitrogen oxide
 -3/4 ton sulphur dioxide

DAILY TOXIC DRAINAGE:
 - up to 320,000 litres, or 70,000 gallons, of liquid saturated with sulphuric acid and containing dissolved metals drains daily from the tailings lake
 - this amount is equivalent to fifteen 4,800 gallon diesel trucks full of the liquid
 - drainage will continue for hundreds of years

SALMON: Young salmon that live at the mouth of Tats Creek affected by the acid and toxic metal drainage.

REFERENCE:

The information contained in these graphic illustrations was taken from:

WINDY CRAGGY
 STAGE I
 REPORT:
 ENVIRONMENTAL
 AND SOCIO-
 ECONOMIC
 IMPACT
 ASSESSMENT

A copy of the report is available from:

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Tax-deductible contributions to WCWC-Save the Tat urgently needed!