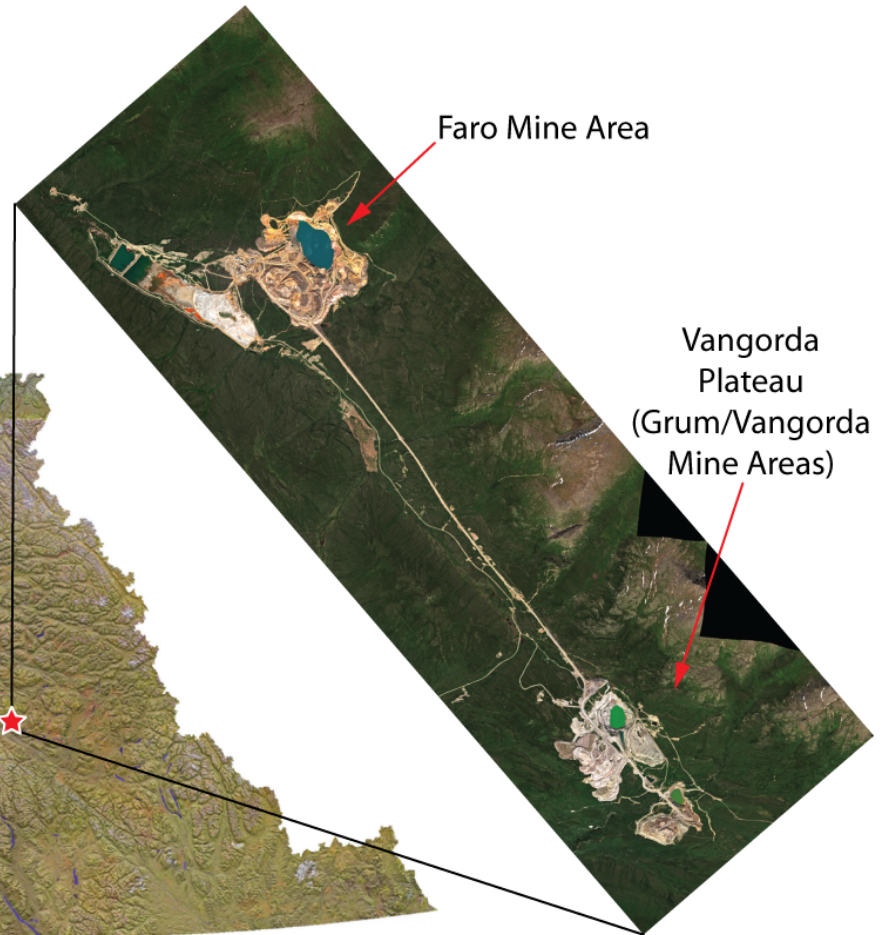
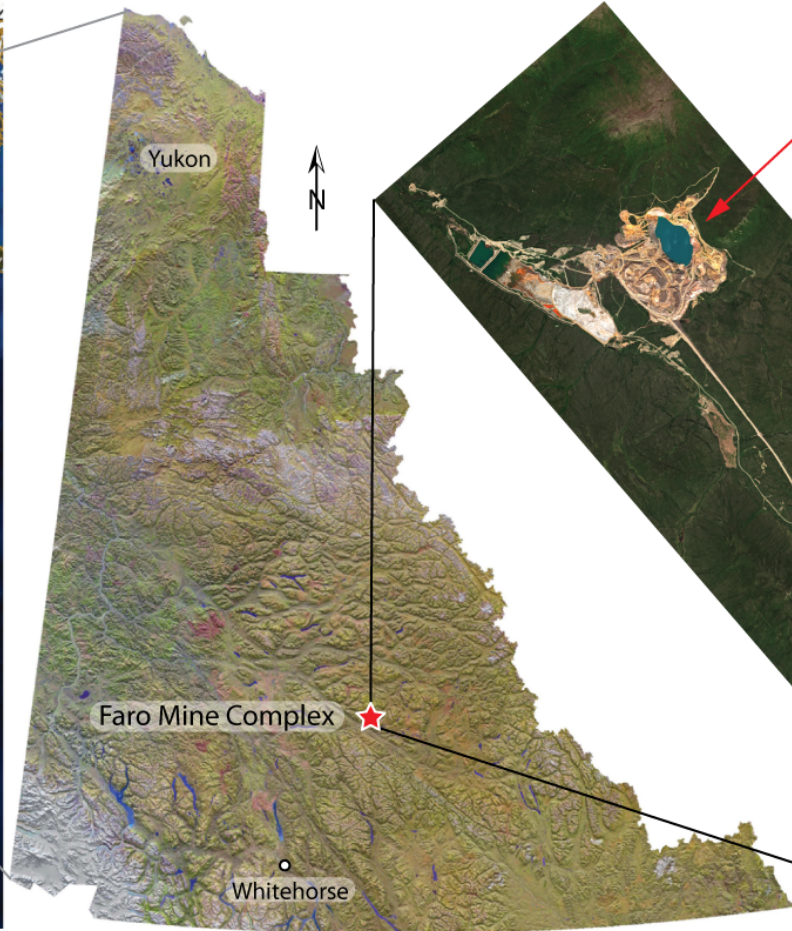


# Long term implications of geochemical risk stored at the Faro Mine Complex



Dustin K. Rainey, Ph.D., P.Geo.  
Yukon Government















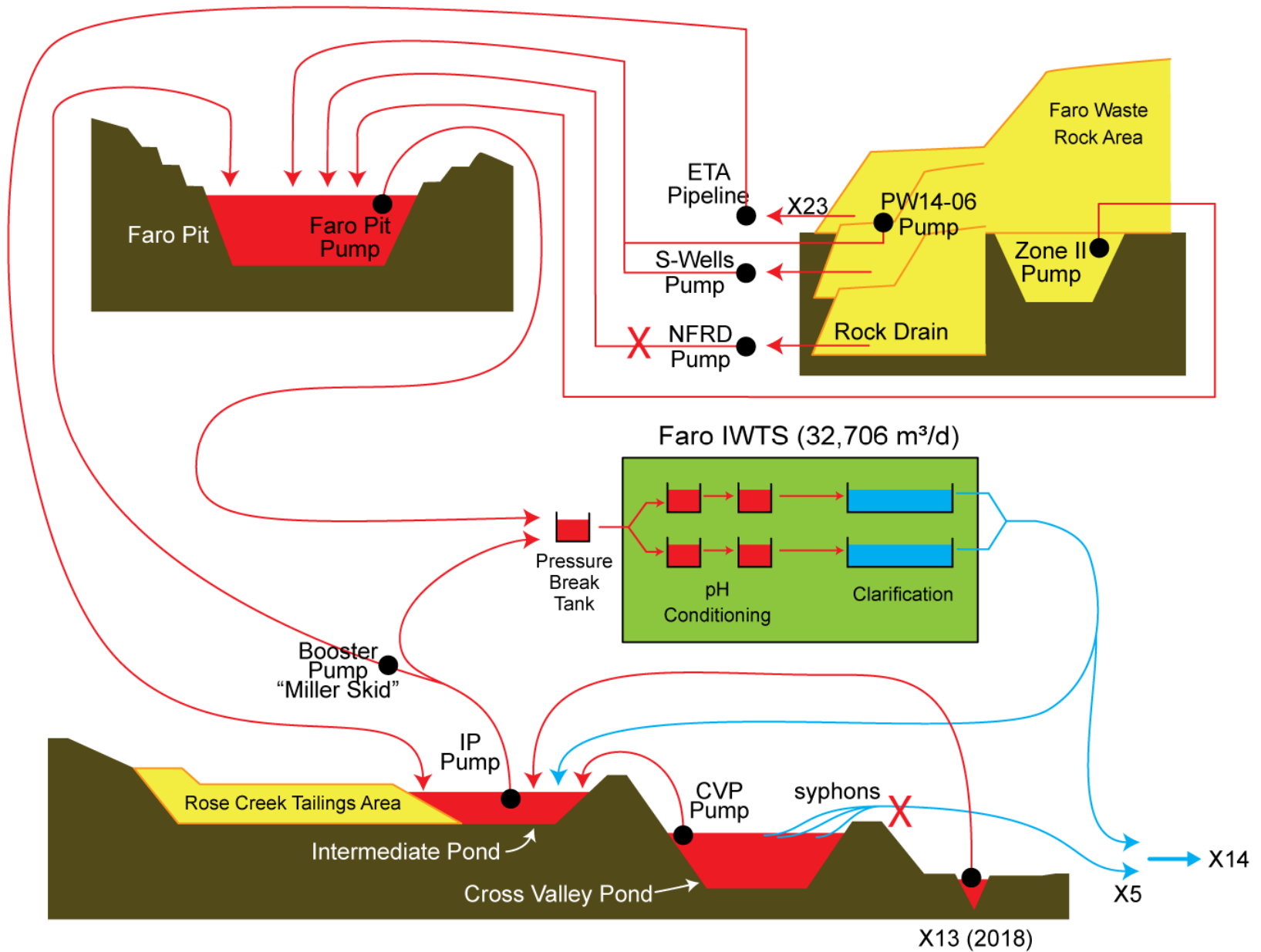








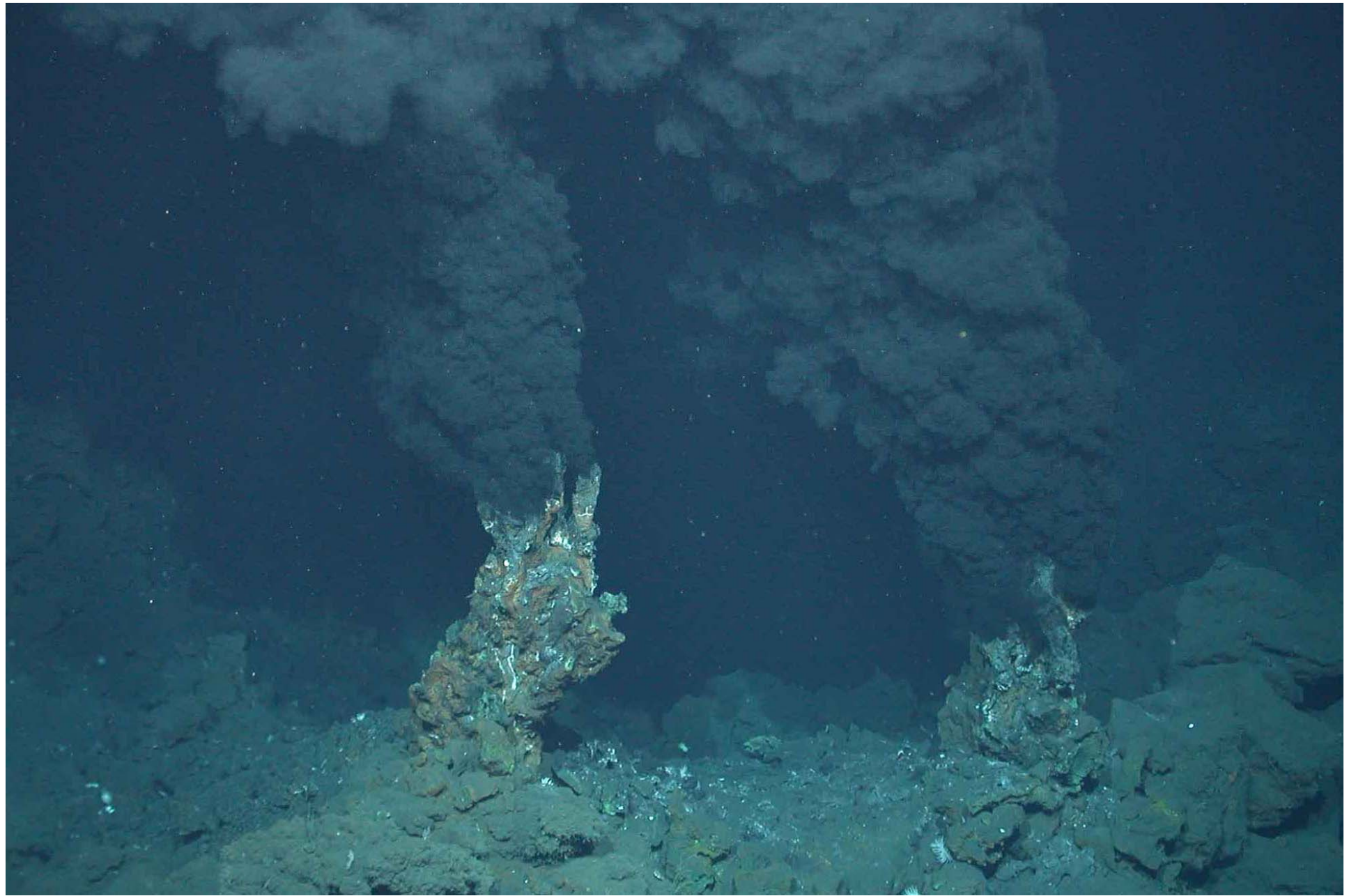
# 2017 Water Management Schematic - Faro & Tailings Area











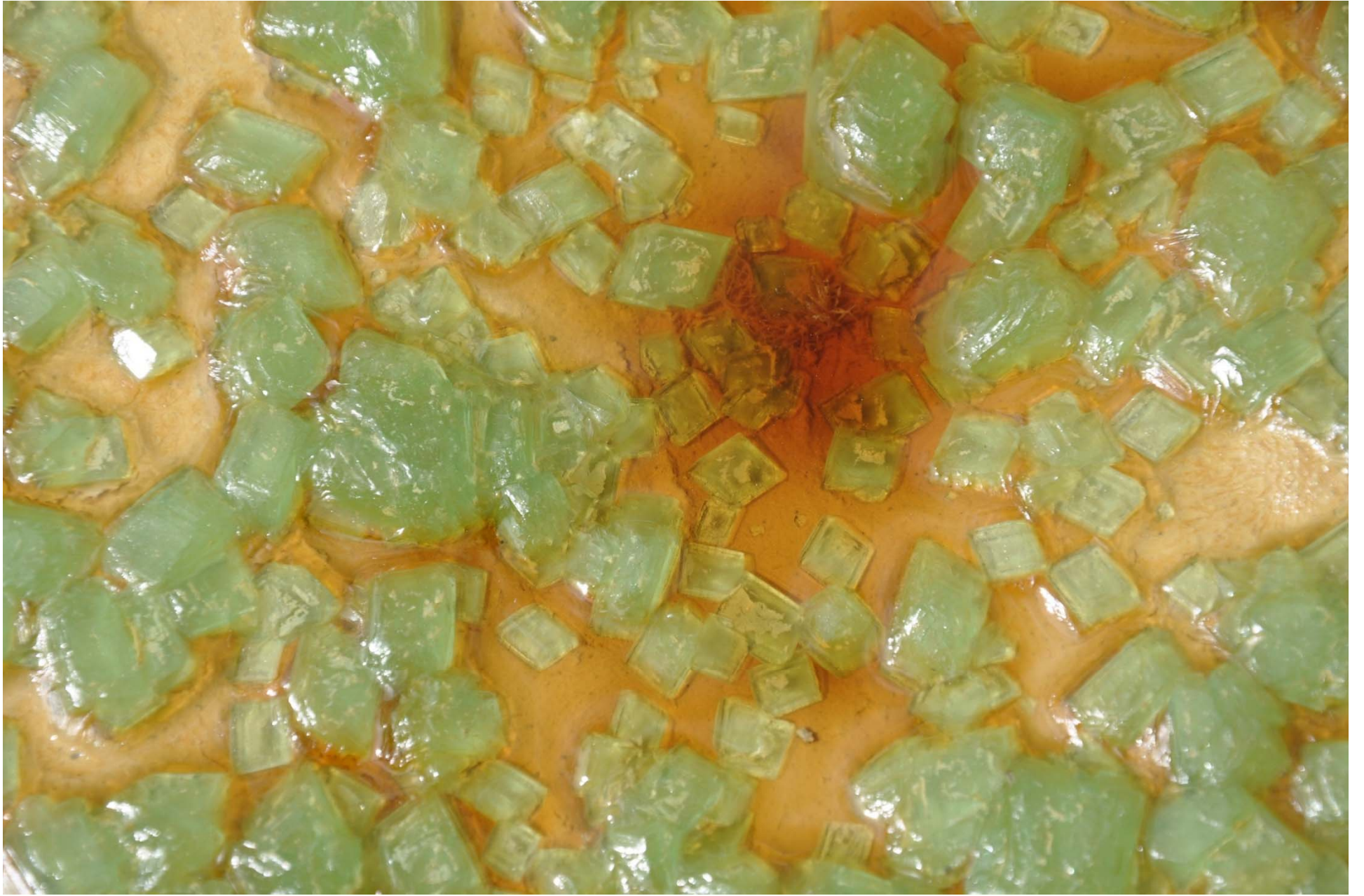












































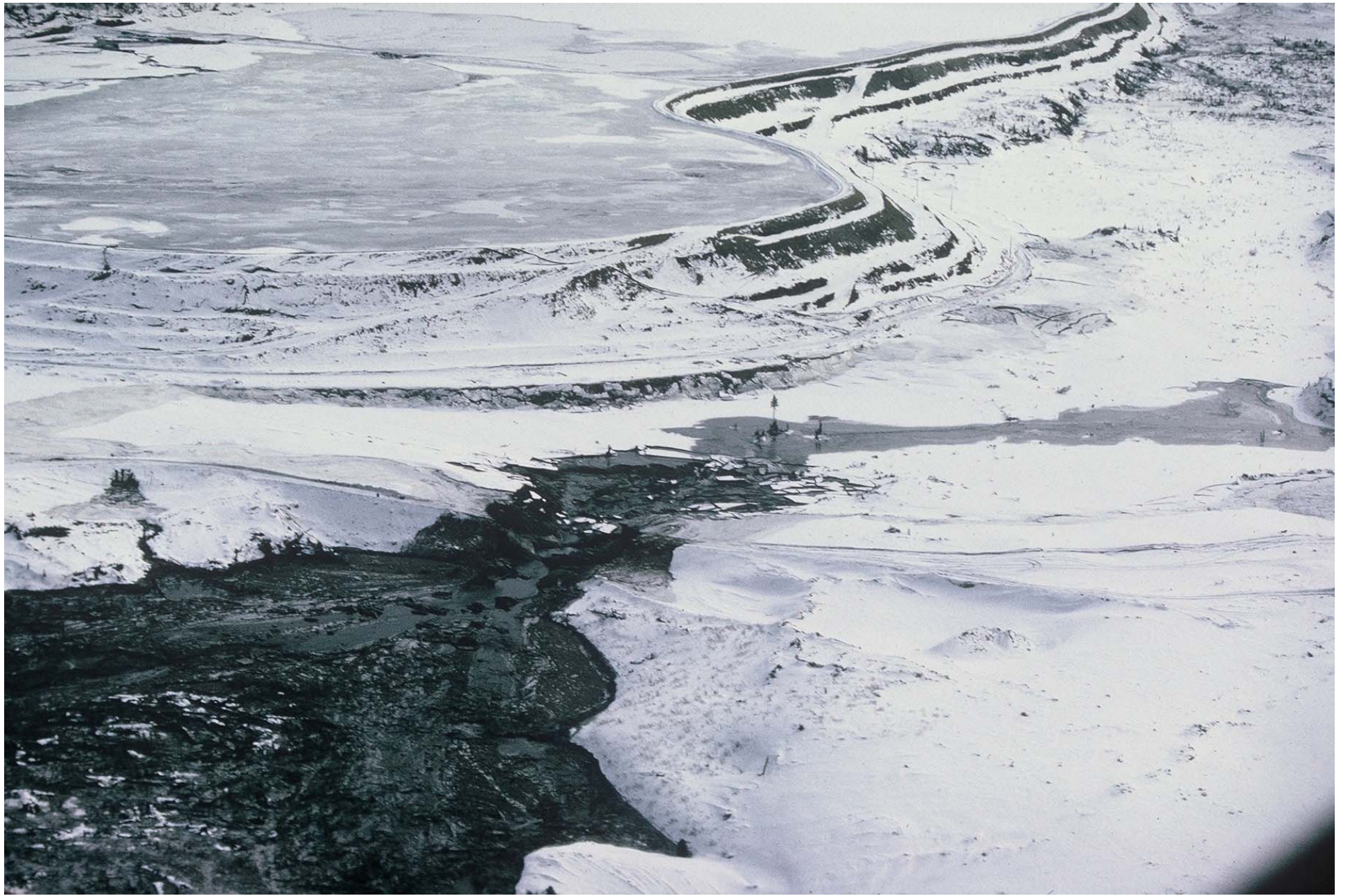
























Environment Canada      Environnement Canada  
 Environmental Protection    Protection de l'Environnement

FILE NO. 4000.2-1&4&4A

**SIGNIFICANT EVENT REPORT**

REGION	SEQ NO.	ACCIDENT DATE
PACY	38	March 20/75

TYPE OF ACCIDENT  <input type="checkbox"/> Oil spill <input checked="" type="checkbox"/> Chemical spill <input type="checkbox"/>	SPECIFIC HAZARD Tailings pond effluent and fines	QUANTITY & UNIT 54,000,000 gallons (estimate by Cyprus Anvil)
	SOURCE (Name of Carrier/Facility) Cyprus Anvil Mining Corp. Ltd.	

LOCATION Rose Creek on Mining Property near Faro, Y.T.	LAT. (N) 62° 21'	LONG. (W) 133° 23'	CAUSE OF ACCIDENT Breaks in 2 Tailings Dykes.
--	------------------------	--------------------------	--

PRESENT DAMAGE TO ENVIRONMENT/PROPERTY – OTHER RISKS/HAZARDS – WEATHER

There was extensive environmental damage to Rose Creek. The creek bottom and flood plain was extensively covered with tailings. The effluent will most likely be toxic and it will take from 3 - 5 years for the stream to recover.









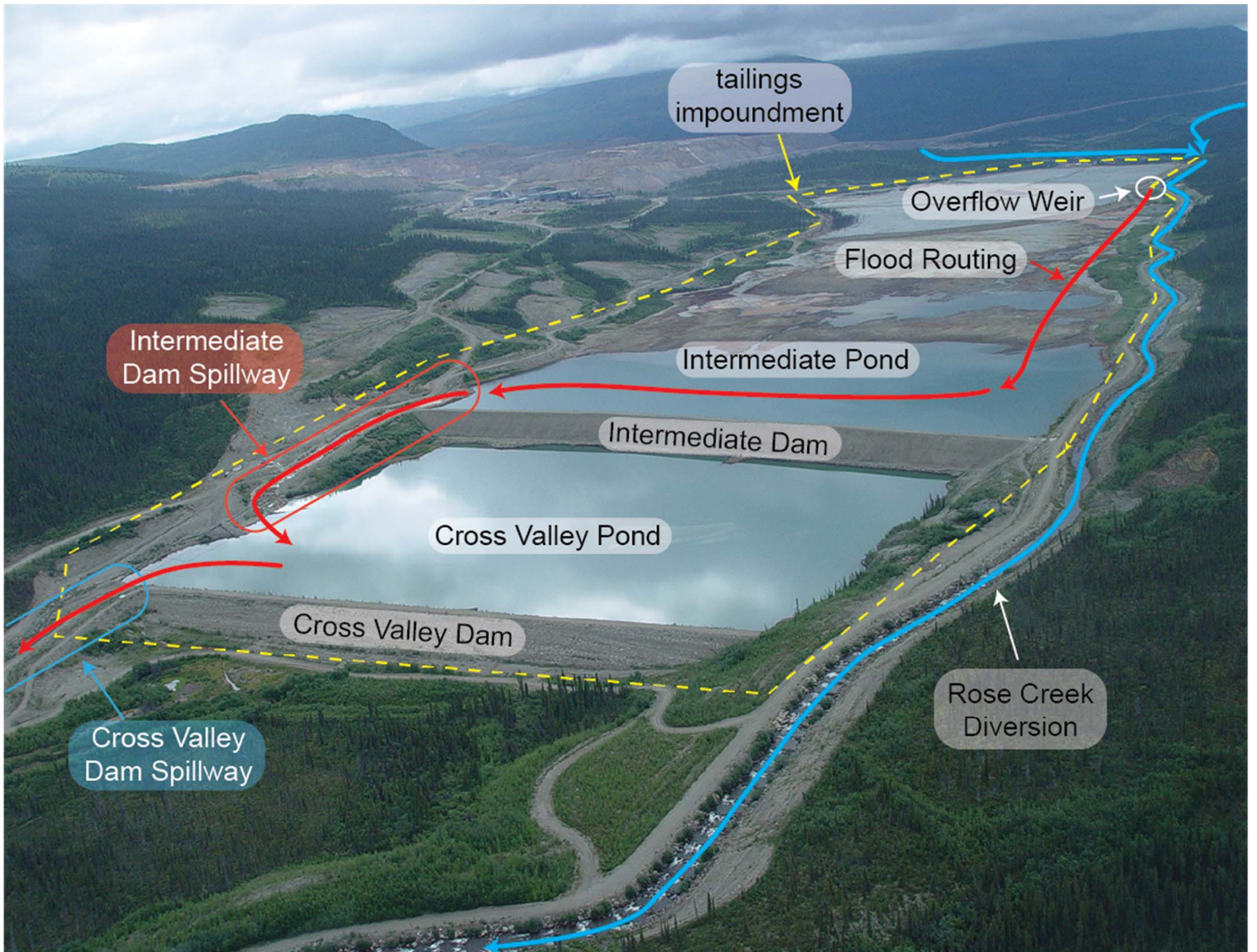
















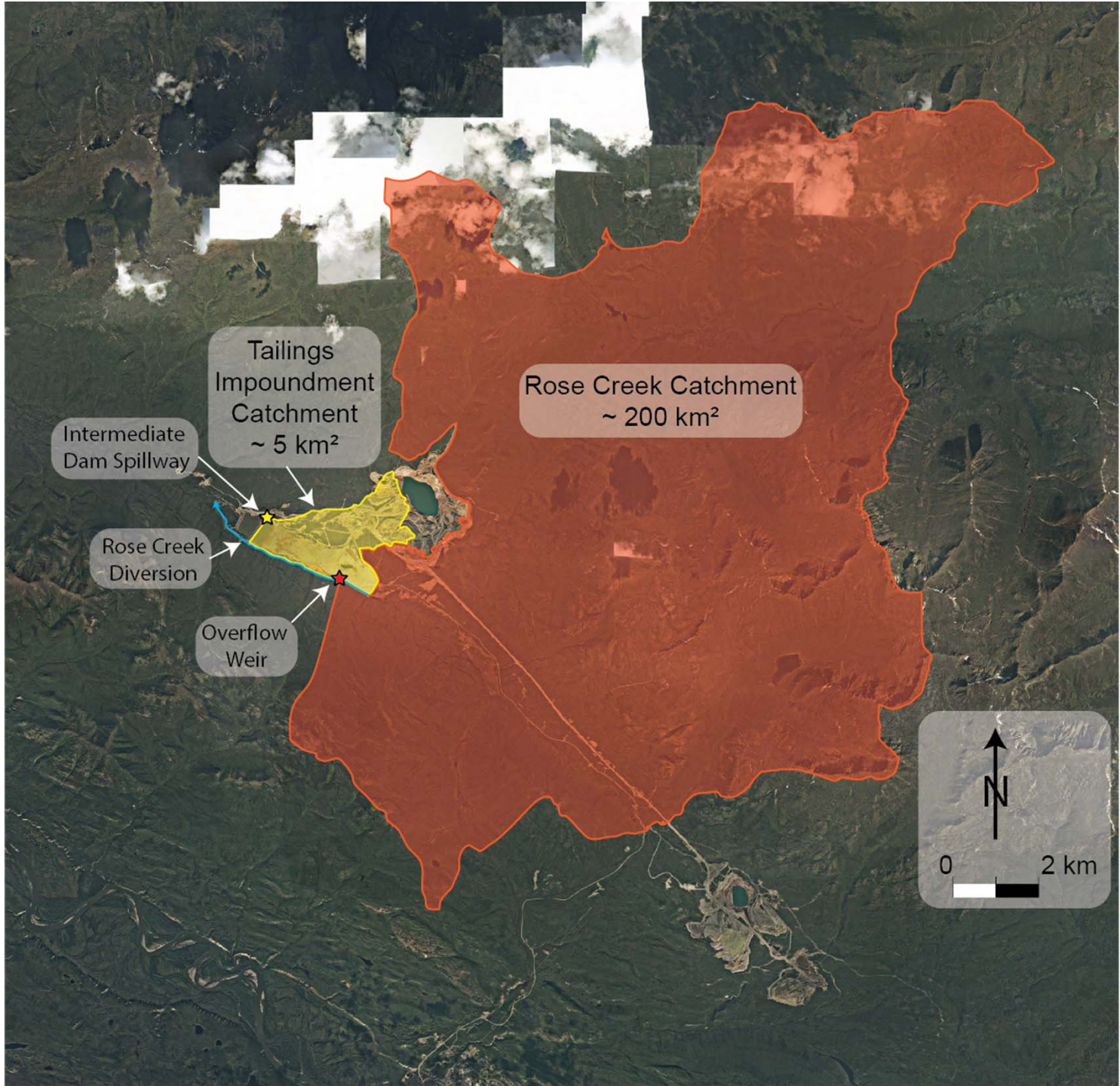














$$25,000 \text{ CFS} = 708 \text{ m}^3/\text{s}$$

$$\text{Faro PMF} = 692 \text{ m}^3/\text{s}$$



**Lava Falls**  
**25,000 CFS**  
**July 18, 2011**  
**Grand Canyon**

















Rose Creek Diversion

North Wall Interceptor Ditch

X13

X11

Weir 3

X12

Cross Valley Pond

Intermediate Pond



# CVP Bathymetry

