

Marine Geology and Landslides of the Central Salish Sea Field Trip

May 5th, 2018

Day 1 Victoria to Squamish

7:40 AM Participants Arrive at Laurel Point Inn Lobby

8:00 AM Depart Victoria

Quaternary Landscapes of southern Vancouver Island

From Victoria, 5-hour drive north through Duncan and Nanaimo to Port Alberni

STOP 1: (30 minutes) Malahat, Highway 1: Saanich inlet overview

STOP 2: (30 minutes) Cathedral Grove: the ancient forests of Vancouver Island

STOP 3: (30 minutes) Port Alberni: plate boundary earthquakes and 1964, 1700 and older tsunami records

Group Lunch (30 minutes) picnic at STOP 3

STOP 4: (30 minutes) Mapleguard Spit and Goose Spit, Comox: 1946 earthquake, tsunamis, coastal erosion and mitigation

Ferry crossing (90 minutes) Nanaimo to Horseshoe Bay: dinner on ferry (Option A)

Drive 45 minutes north to Squamish: arrive early evening, with dinner at local restaurants (Option B); Overnight Squamish

May 6th, 2018

Day 2 Squamish to Victoria

9:00 AM Depart Squamish

Quaternary Landscapes of Howe Sound and Vancouver

From Squamish, 5 -hour drive south through Vancouver to Tsawwassen

STOP 5: (30 minutes) Squamish: geohazards and emergency planning, policies and constraints

STOP 6: (30 minutes) Porteau Bluffs: mass movements and flood mitigation measures

STOP 7: (30 minutes) Cypress Mountain view point: bedrock, geological structures, earthquake hazards and mitigation

Group lunch (30 minutes) picnic at STOP 7

STOP 7: (30 minutes) Fraser River delta: geohazards and marine infrastructure

Ferry crossing (90 minutes) Tsawwassen to Swartz Bay: dinner on ferry

Arrive before 9 pm Victoria, TRIP ENDS