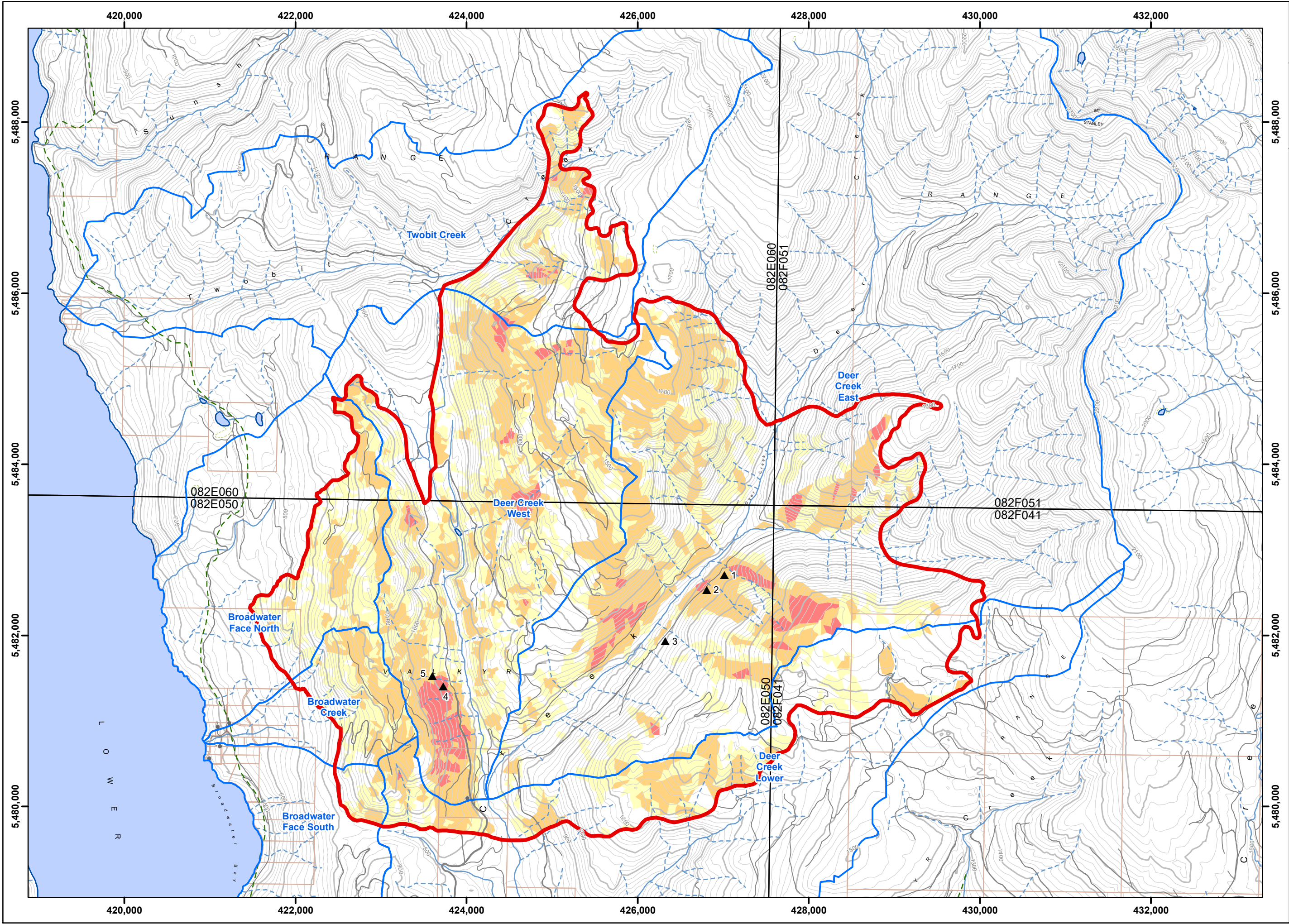


FIRE: N52489 Deer Creek		FIRE YEAR: 2018	DATE OF REPORT: 2018-11-23
AUTHOR: SNT Geotechnical Ltd.			
REPORT PREPARED FOR: Selkirk Resource District (Arrow FD), and Southeast Fire Centre			
FIRE SIZE, LOCATION, AND LAND STATUS: 3849 ha. Northeast side of Lower Arrow Lake, 30 km northwest of Castlegar. Mostly provincial forest, with some private land within fire perimeter.			
VALUES AT RISK: Community of Deer Park; water quality in Deer Creek; houses at Broadwater Bay			
WATERSHEDS AFFECTED ¹:	TOTAL AREA (ha)	AREA BURNED ² (ha)	BURN SEVERITY ³ % High % Moderate
Deer Creek – west fork	1285	1125	4 30
Deer Creek – east fork	4415	1591	1 9
Deer Creek (total area)	8256	3195	1 4
Broadwater Creek	212	139	0 23
<i>1. Only watersheds with significant risks are included</i>		<i>2. Area within fire perimeter</i>	<i>3. % of total watershed area</i>
SUMMARY OF HAZARDS AND RISKS: Possible flooding or water quality impacts on lower Deer Creek Possible flooding or water quality impacts on Broadwater Creek Isolated structure at forks of Deer Creek – possible flooding <i>4. Hazard = P(H), the probability of occurrence of a hazardous event</i> <i>5. Risk = Partial risk P(HA) = P(H) × the probability of it reaching or affecting an element at risk</i>			HAZARD ⁴ L L-M L
			RISK ⁵ L L L
FURTHER ACTIONS: None.			
COMMENTS: Isolated structure (house?) at forks of Deer Creek is not located where shown on RDCK or fire operations map – it is further north between the creek forks, in a location not apparently subject to flooding. The main (east) fork of Deer Creek has an extensive high-elevation area, so peak flows are not likely to be significantly affected by the burned area.			



MAP 2
Incident: N52489
Fire Name: Deer Creek

**Post-wildfire
Natural Hazard
Risk Analysis**
Date: 2018/11/22

Fire Perimeter

Watershed with ID

Burn Severity

High

Moderate

Low

Field Plot with ID

Structure

Trail

Contour - 100m

Contour - 20m

Road

Cadastral Boundary

N

1:40,000

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Kilometers

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SNT
Geotechnical Ltd.

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