Harrop-Procter's approach to setting an AAC

BCCFA conference

June 2015

Outline

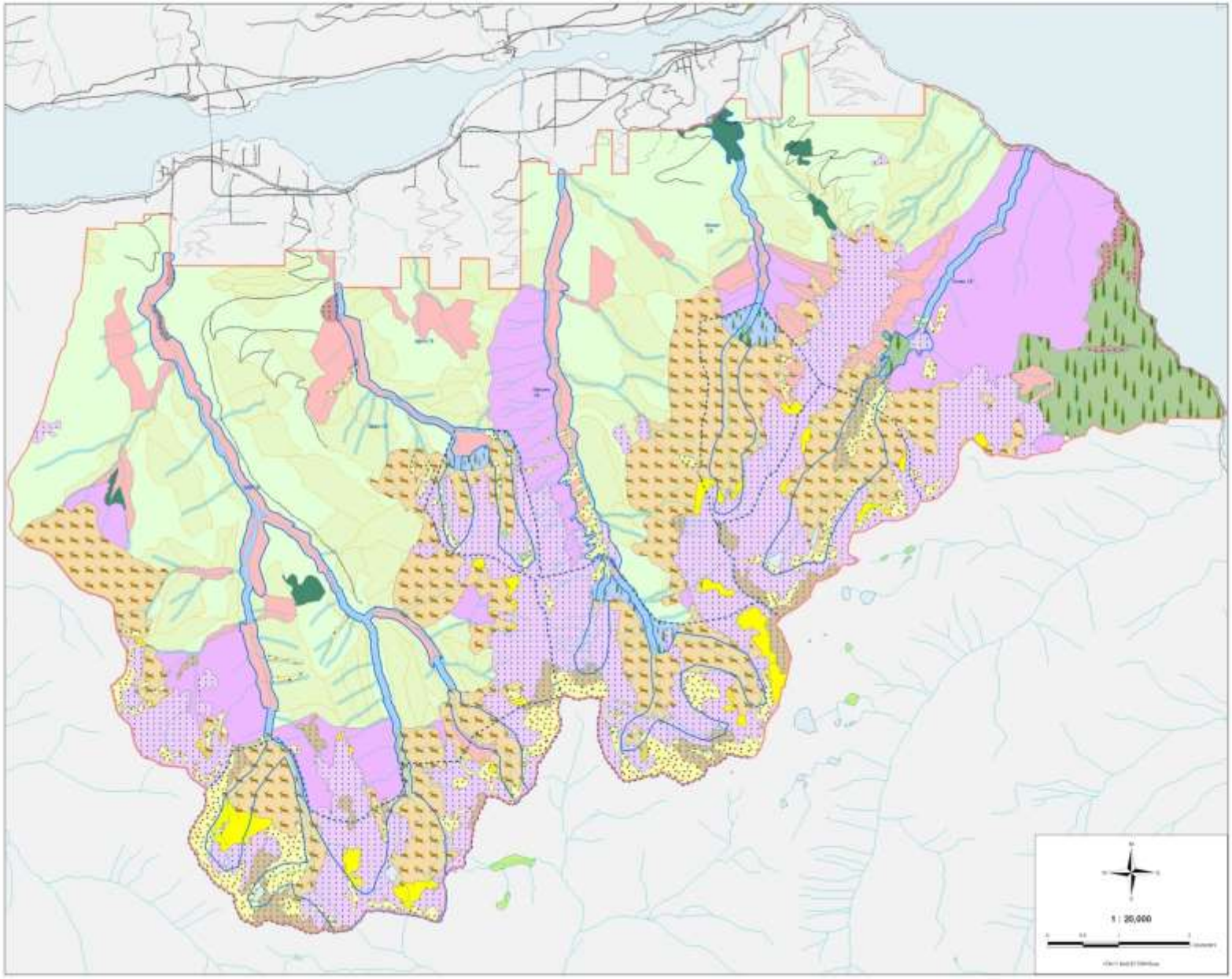
- Community process
- AAC netdowns
- Scenarios

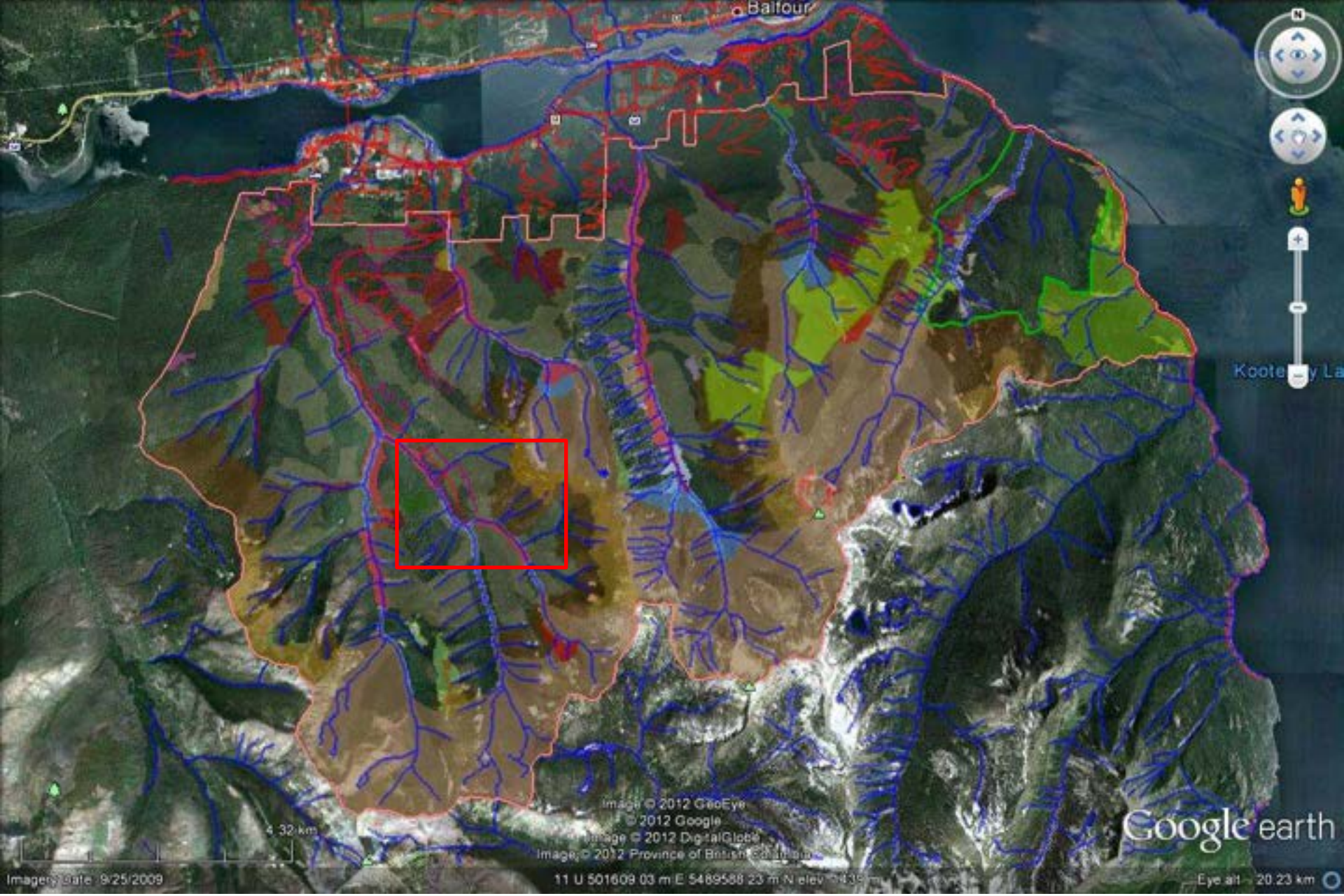
Community process

- Process tied to new Management Plan
- 18 month iterative process of landbase/ AAC analysis and board/ community discussions
- Three public meetings over 12 months
- In-depth board discussion of scenarios and options

Management Plan / AAC mandate

- Low risk approach to water
- Riparian and headwaters protection
- Protect ecologically sensitive and rare sites
- Old growth reserves and recruitment
- Protect key wildlife habitat
- Maintain visual quality
- Realistic assessment of economic operability
- Incorporate partial cutting approach


The Harrop-Procter Community Co-operative
Community Forest Agreement K1B
Timber Supply Analysis - August 2012
Interim Map
Netdowns to Base Case Timber Harvesting Landbase
Areas Wholly Removed from Timber Harvesting Landbase
Areas Partially Removed from Timber Harvesting Landbase
Potential Timber Harvesting Landbase
Potential Timber Harvesting Landbase
Water Features
Transportation
1 : 20,000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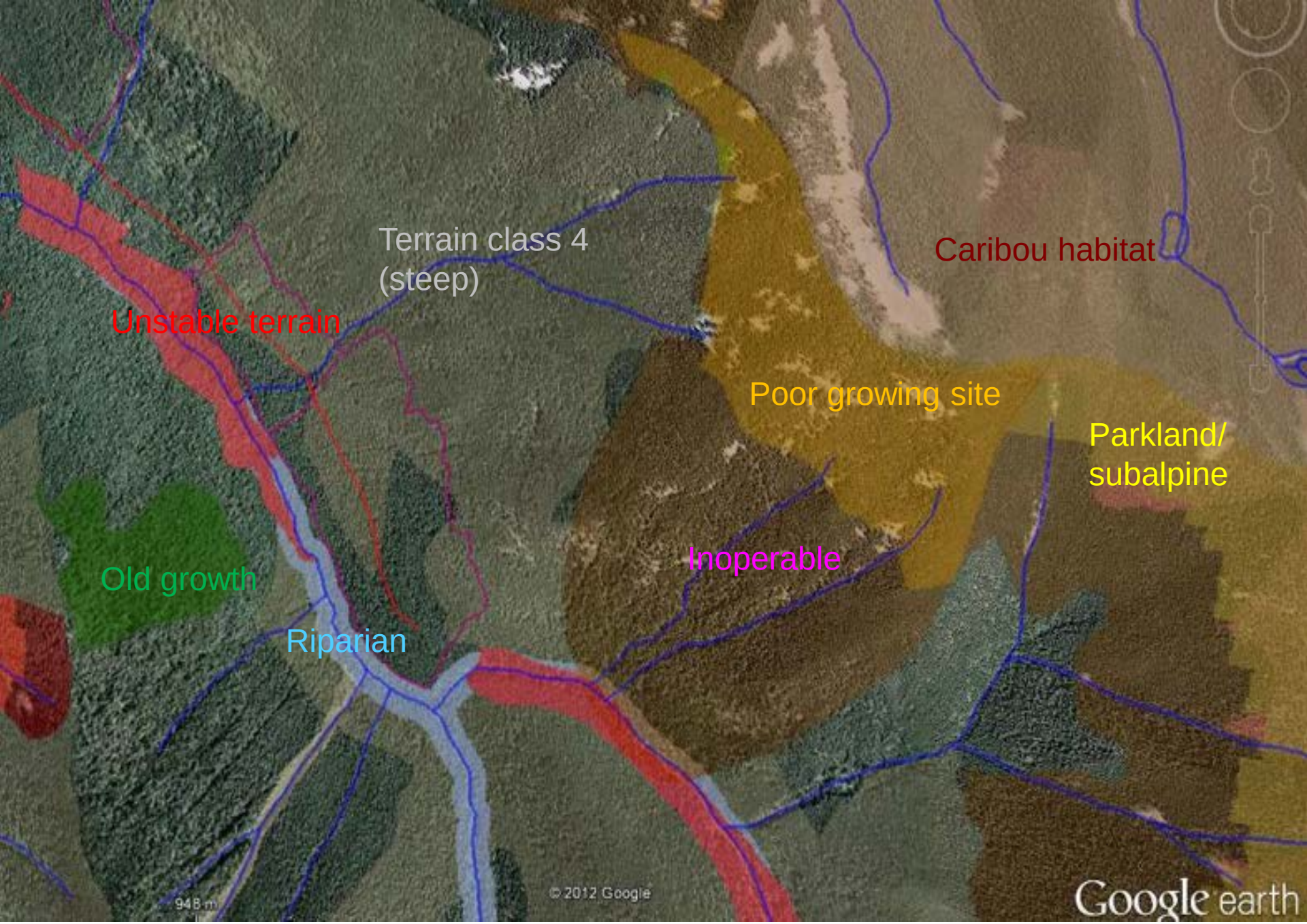
Eye alt 20.23 km


Terrain class 4
(steep)
Caribou habitat
Unstable terrain
Poor growing site
Parkland/
subalpine
Inoperable
Old growth
Riparian
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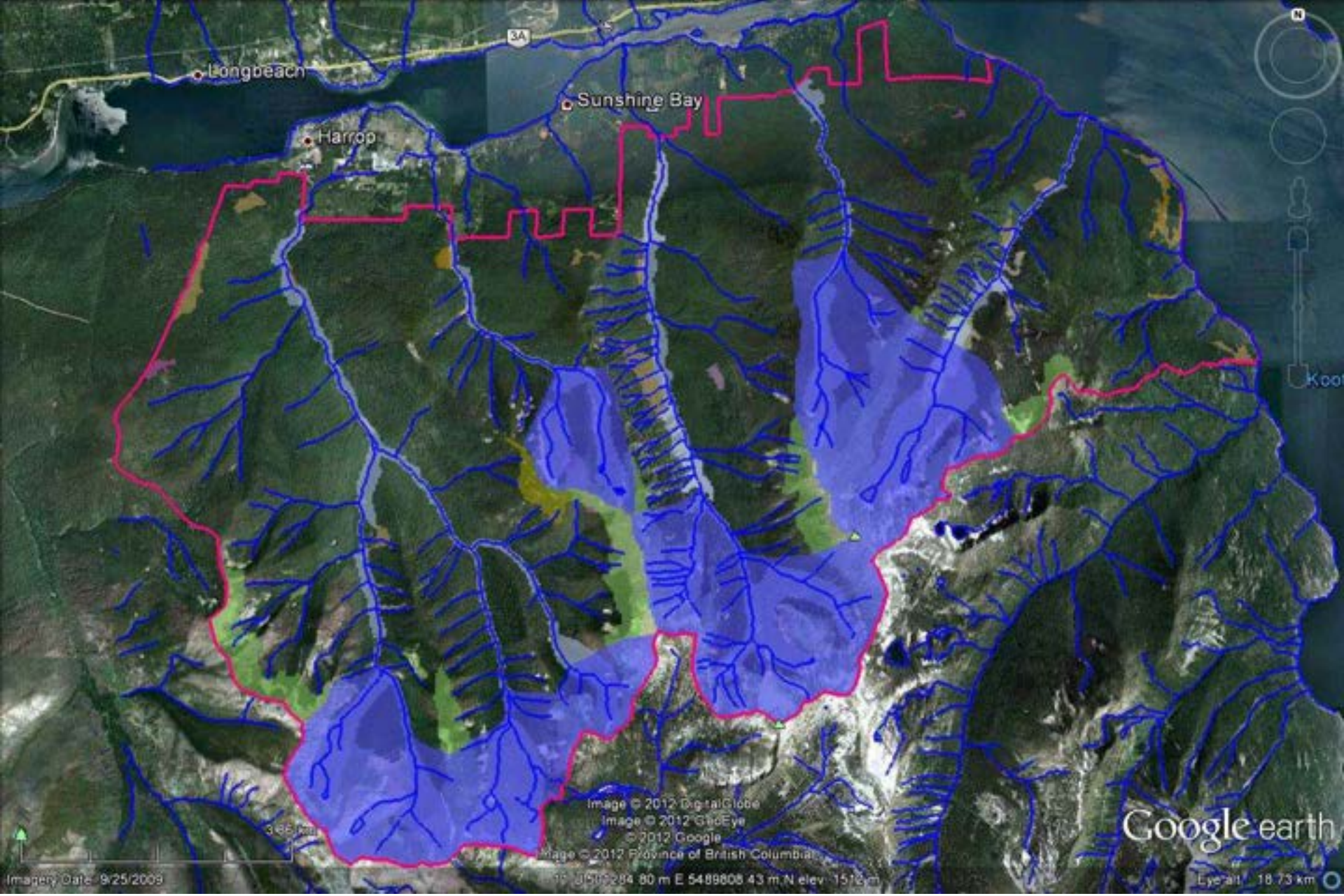
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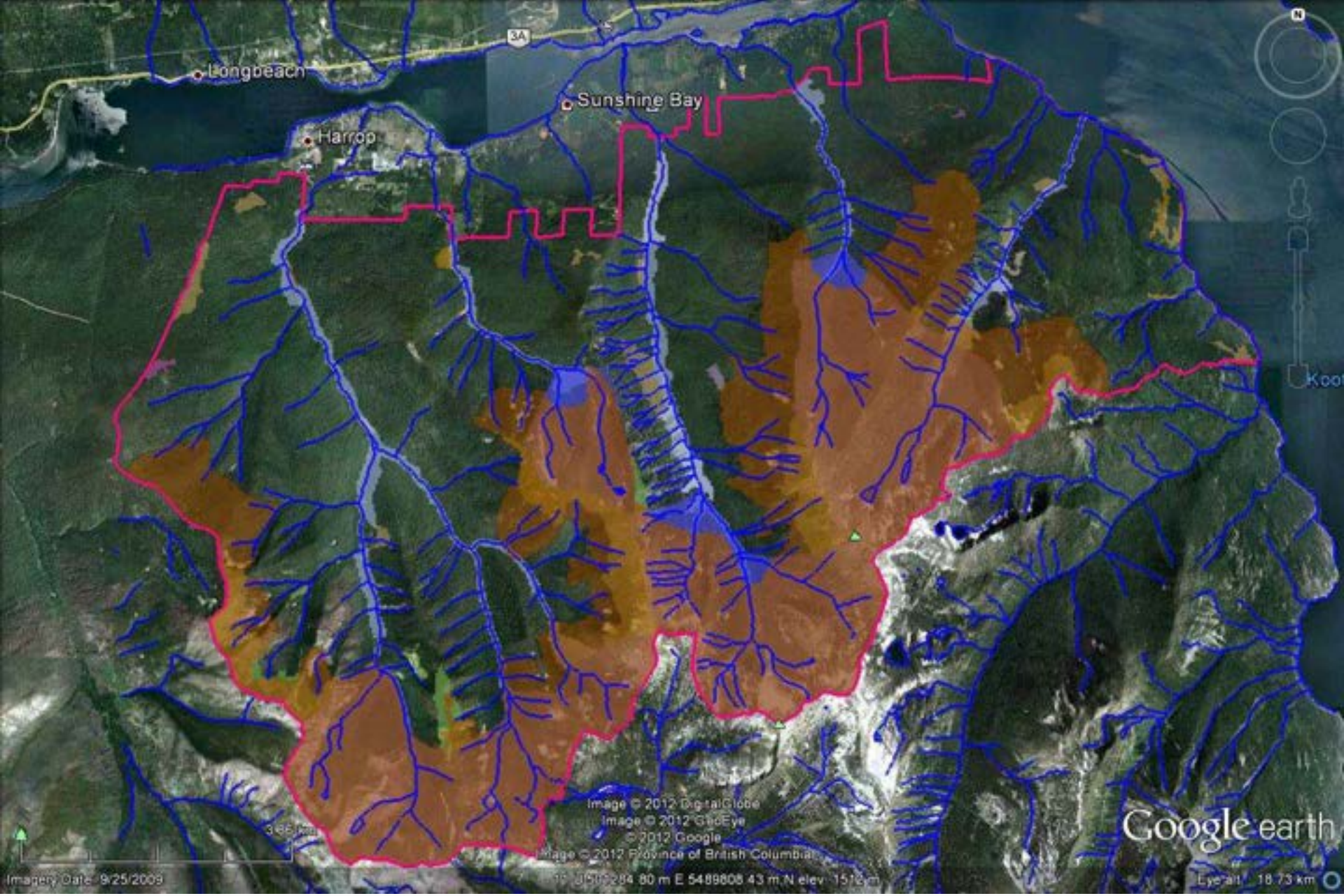
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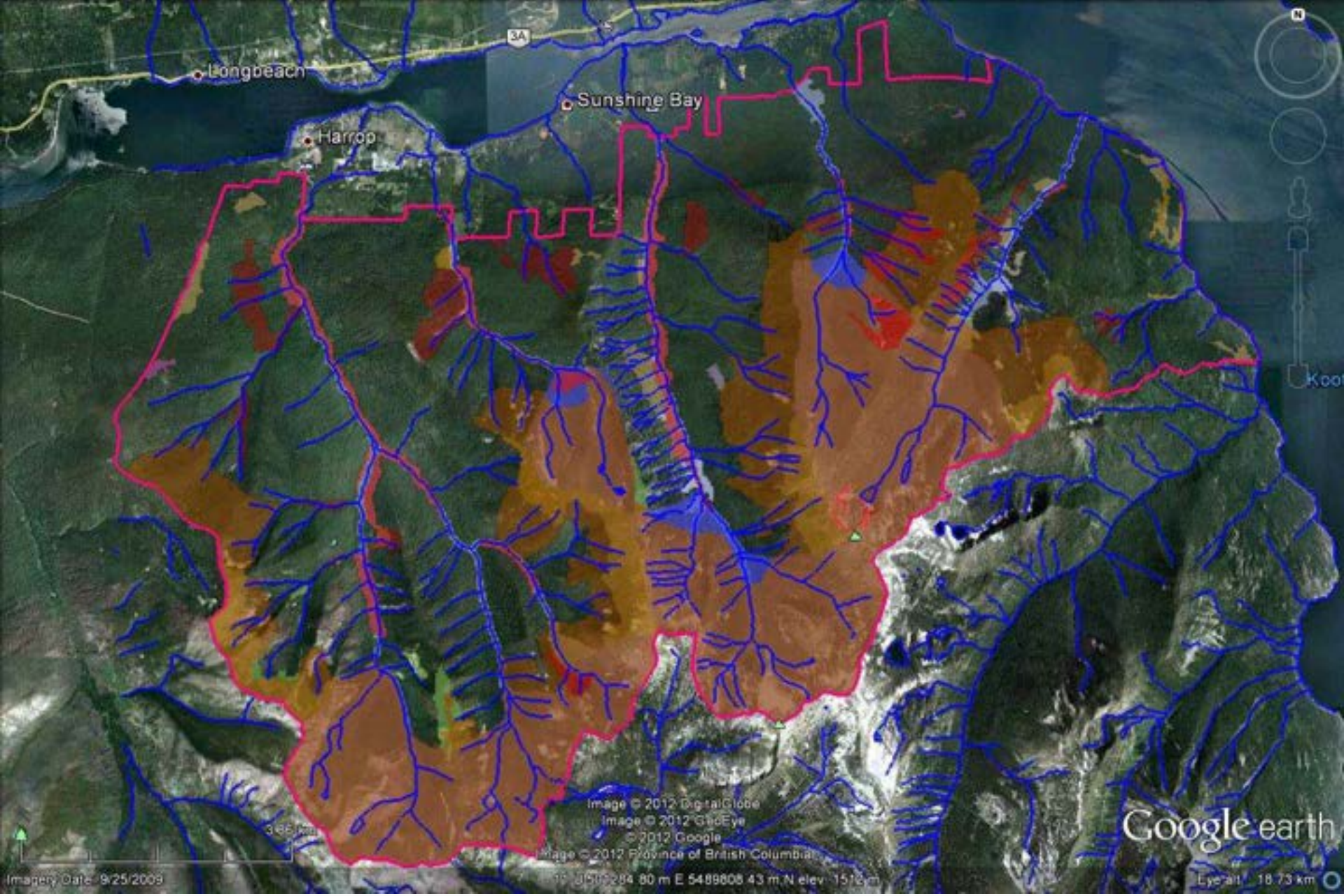
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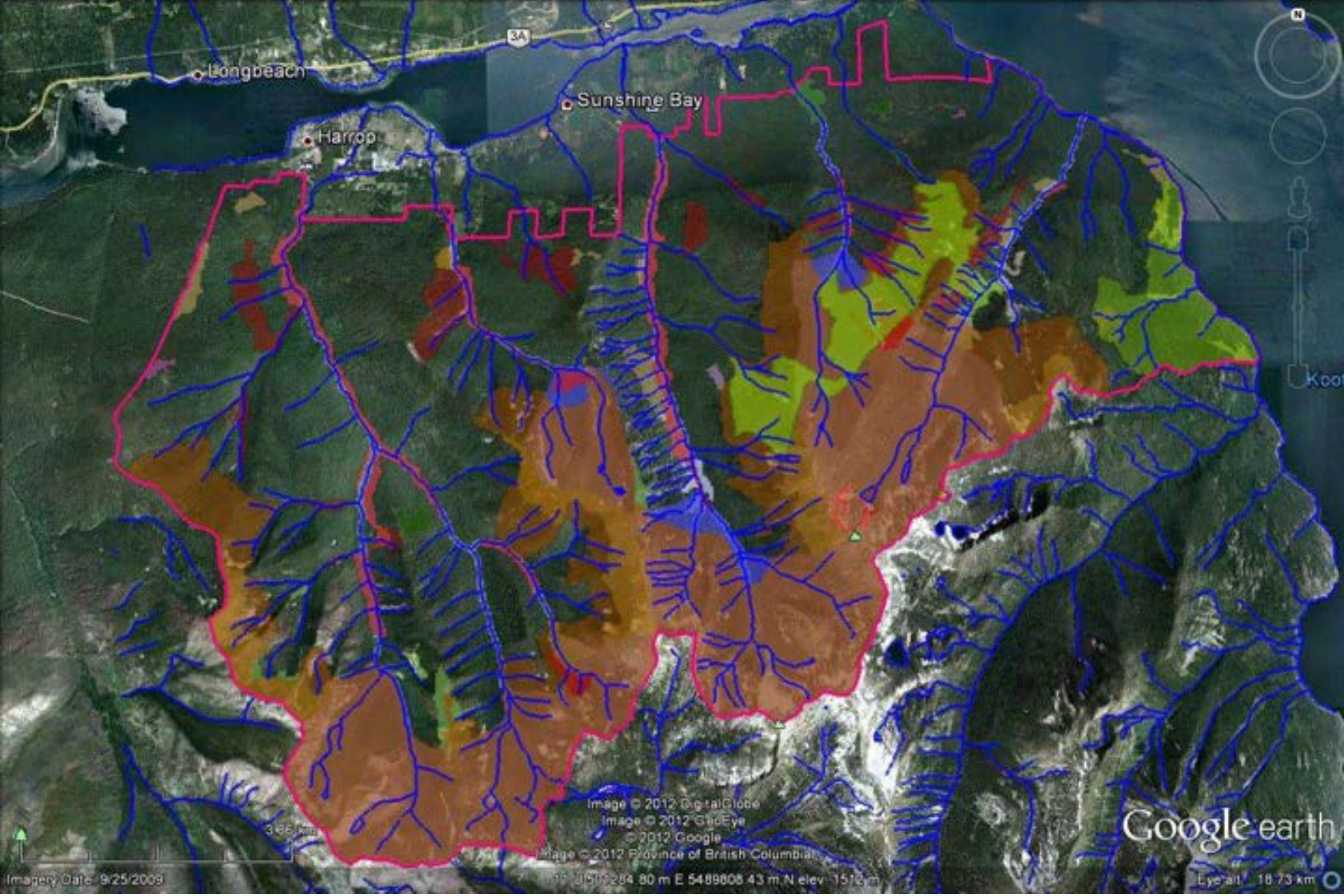
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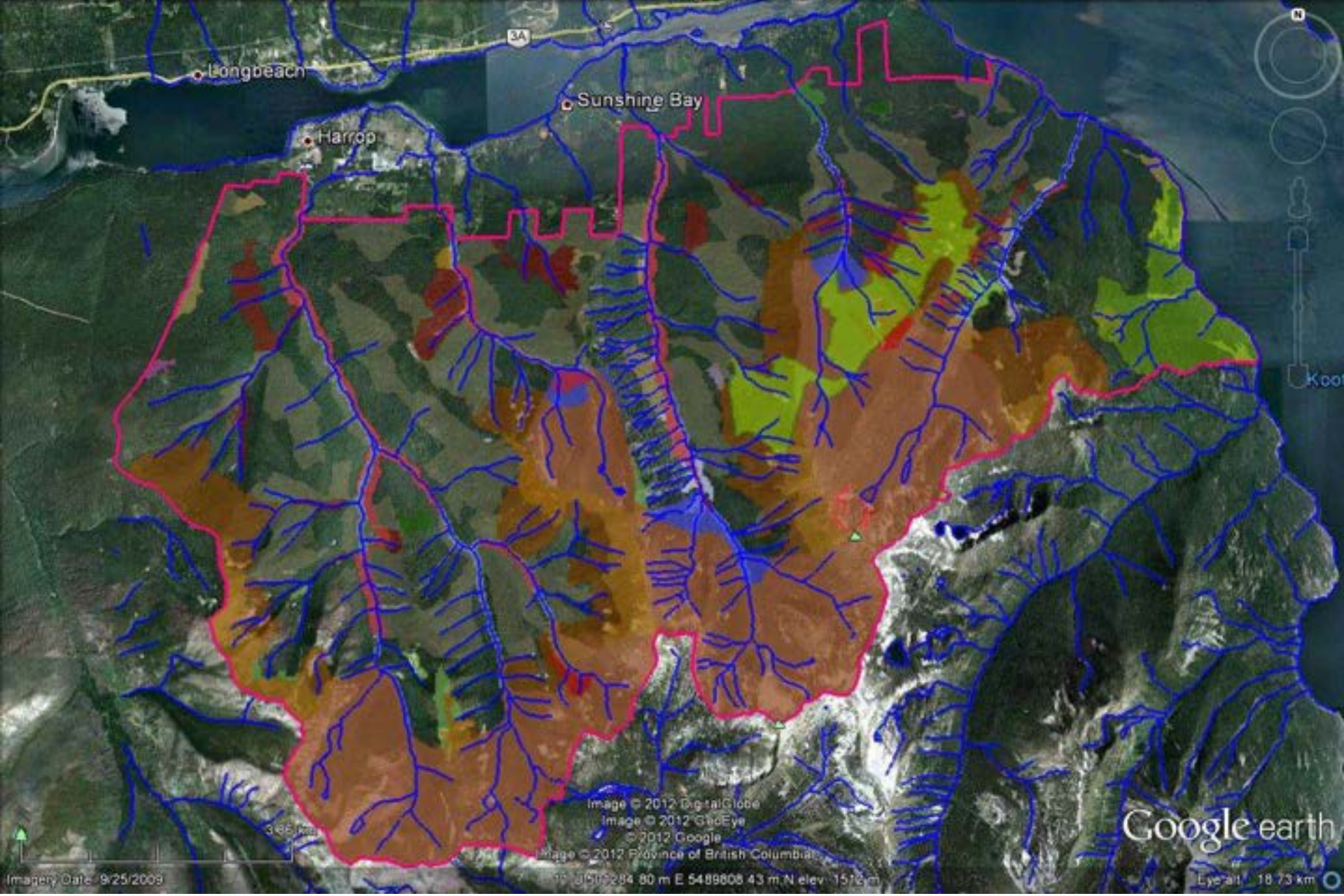
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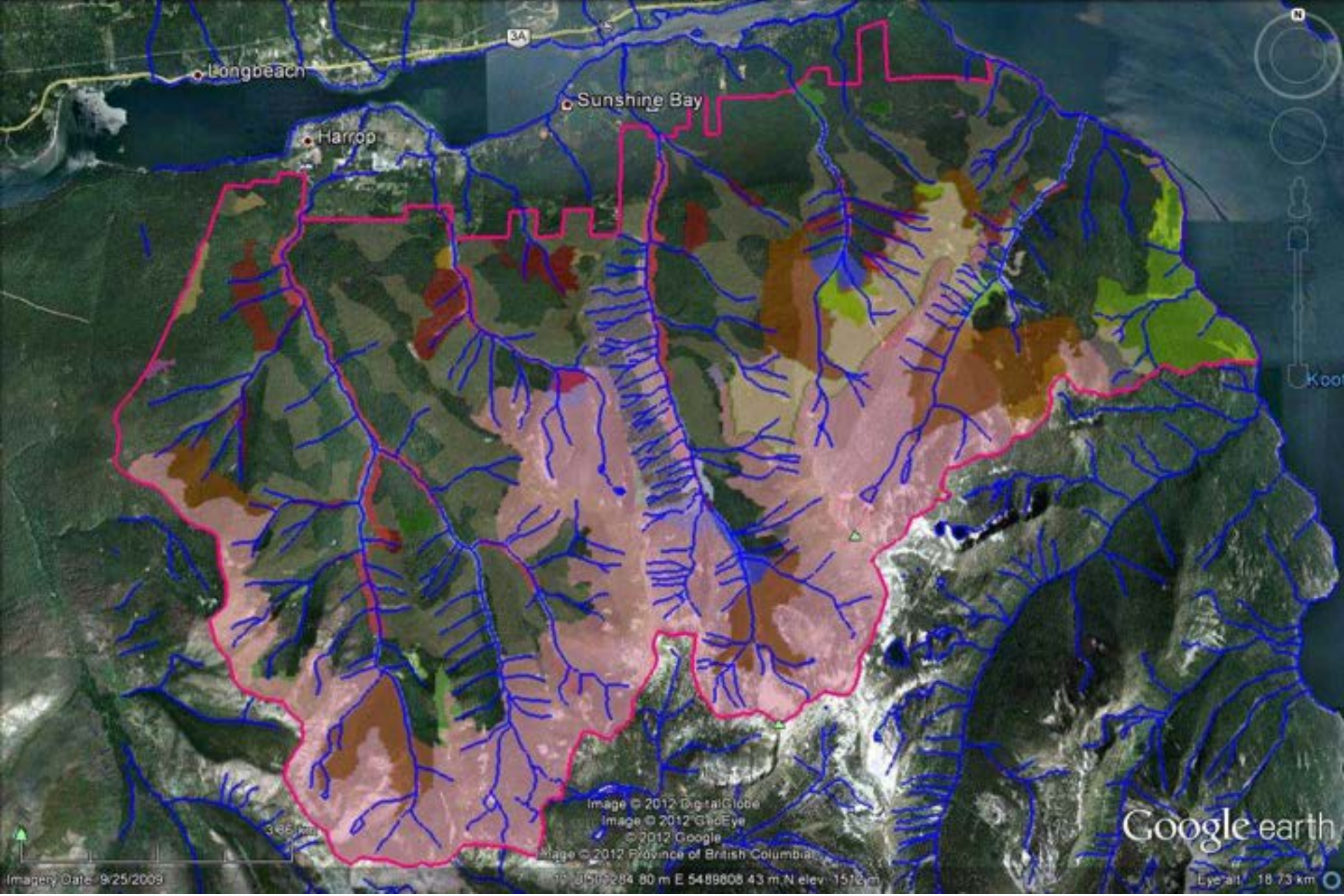
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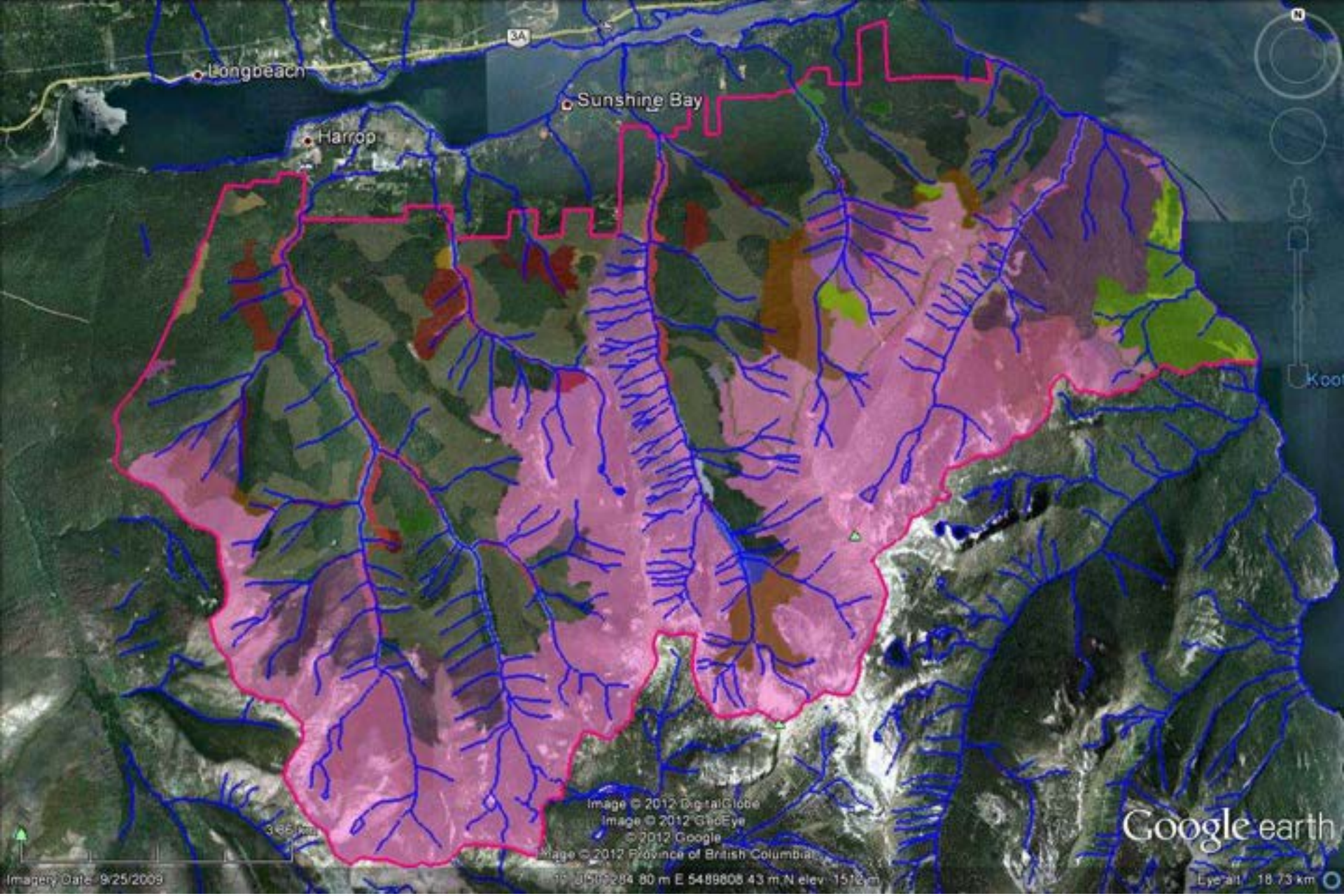
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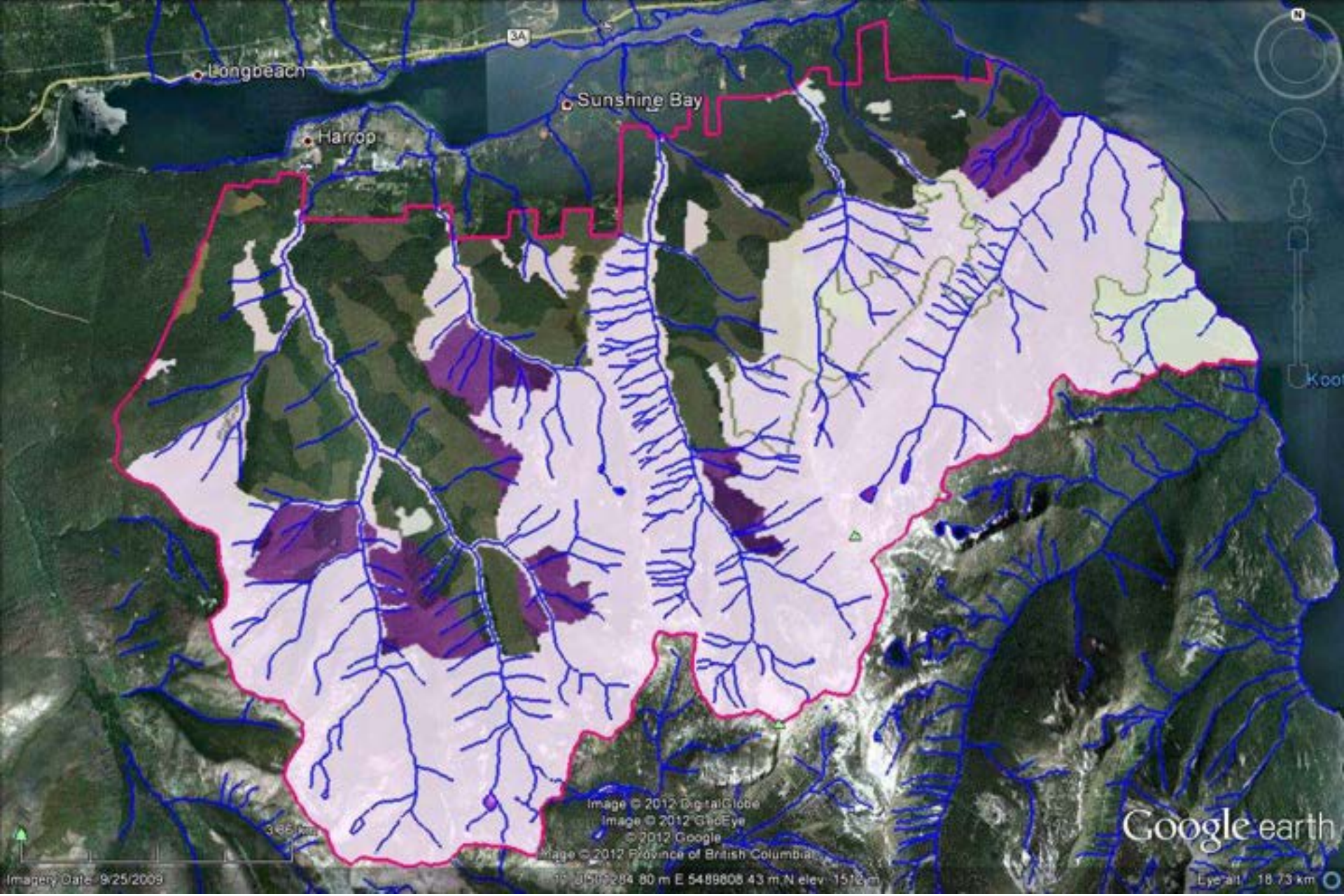
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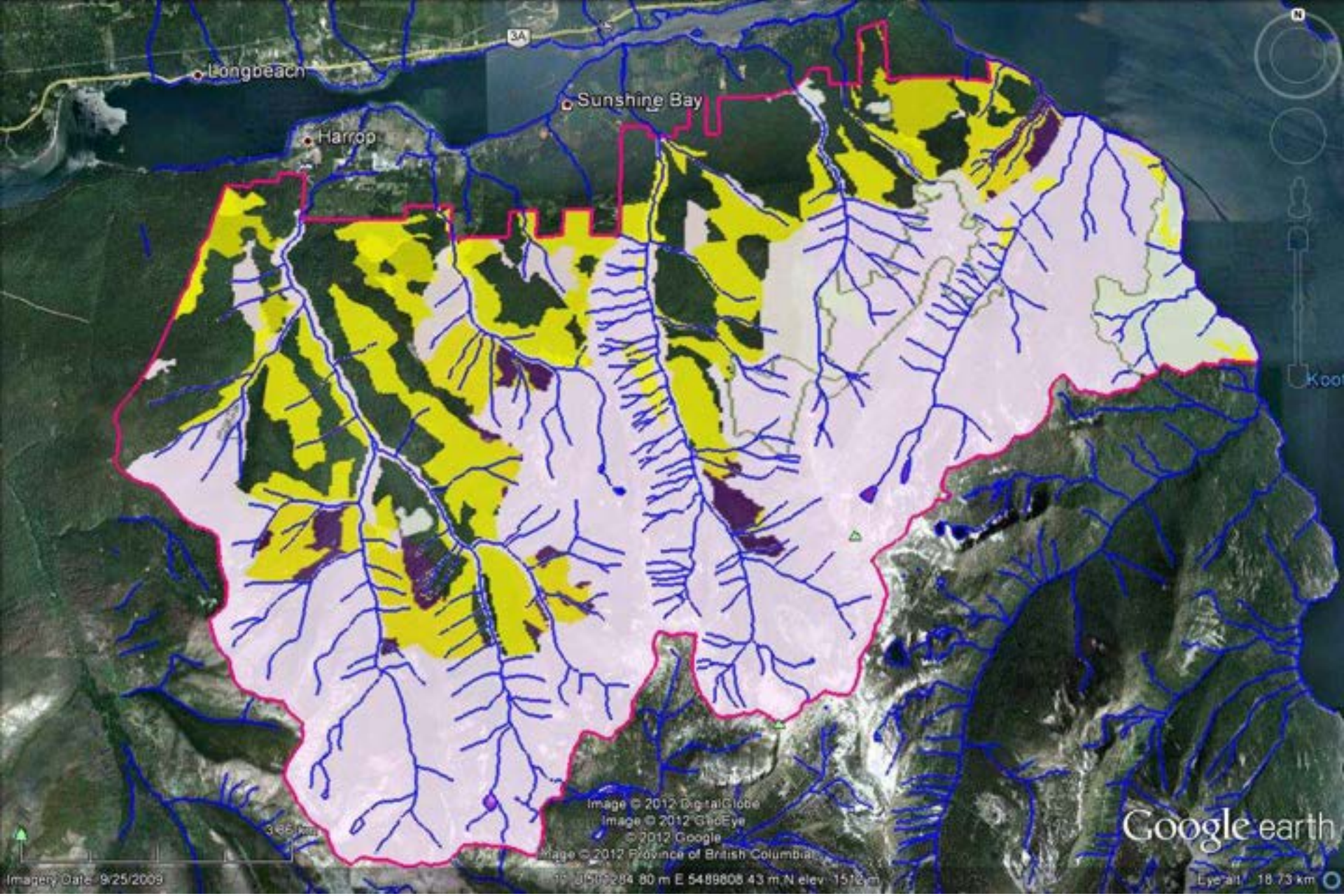
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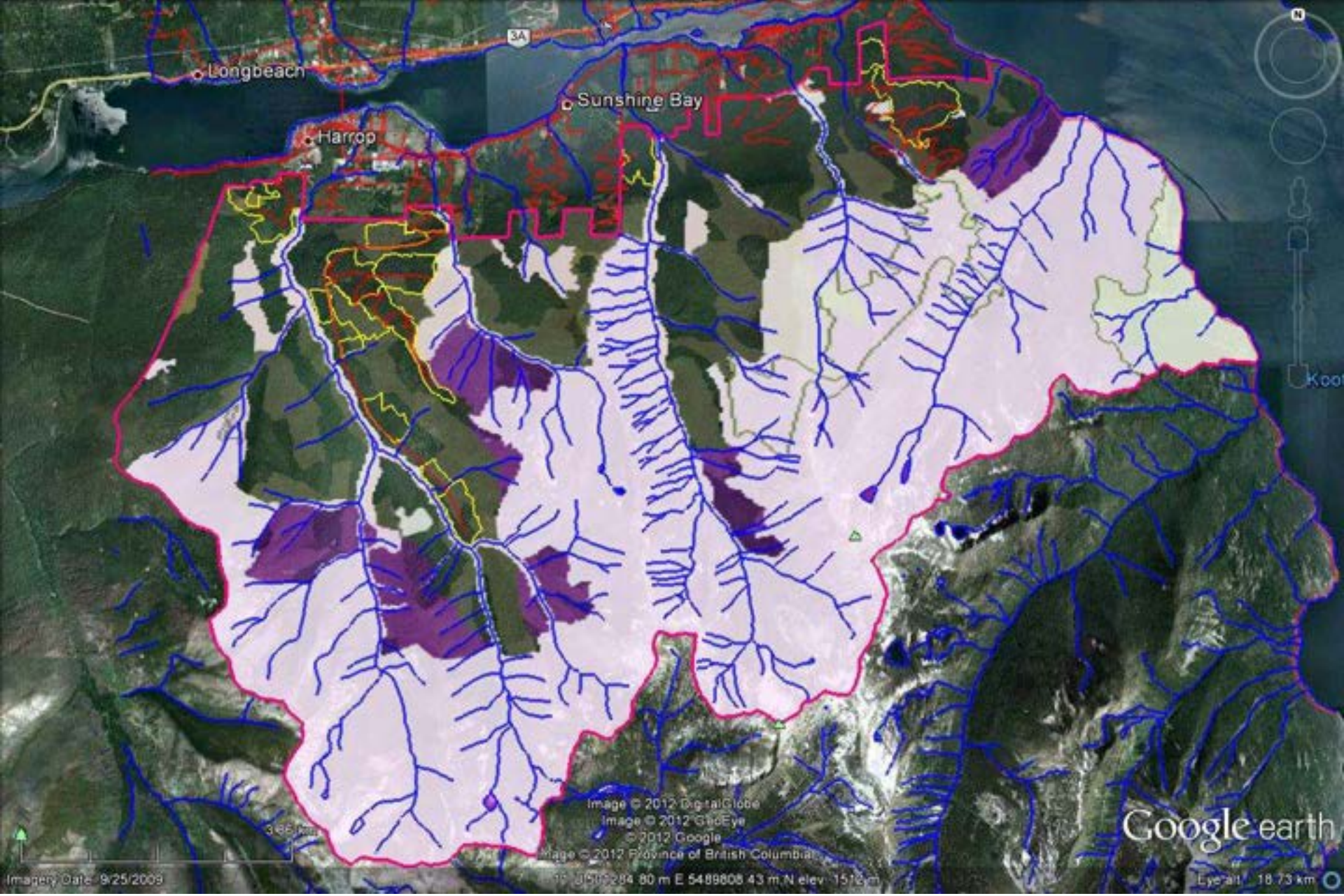
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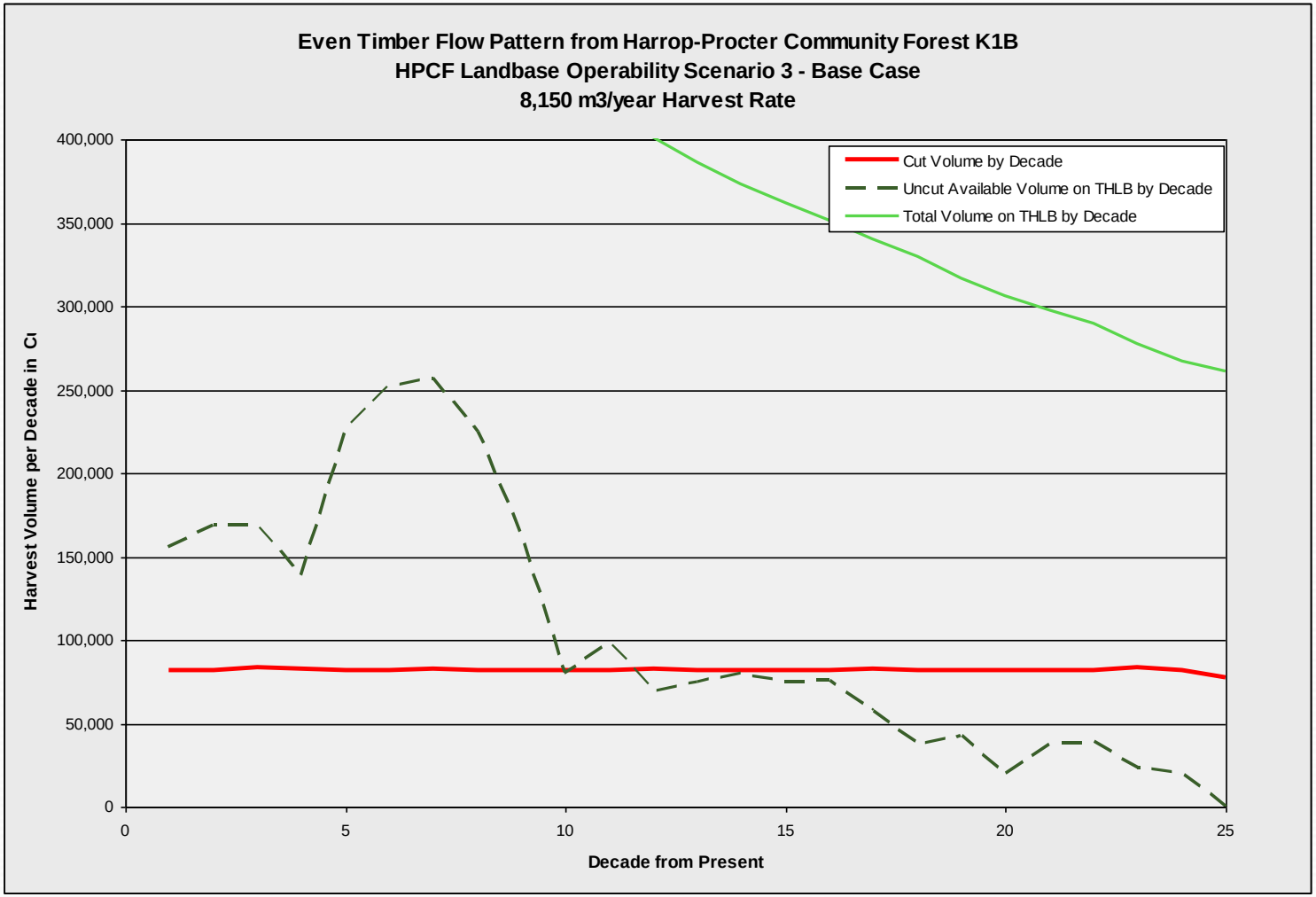
Detailed Aerial Flight 2005
08/08/2005

The model:
‘Base case’— even-flow for 250 years



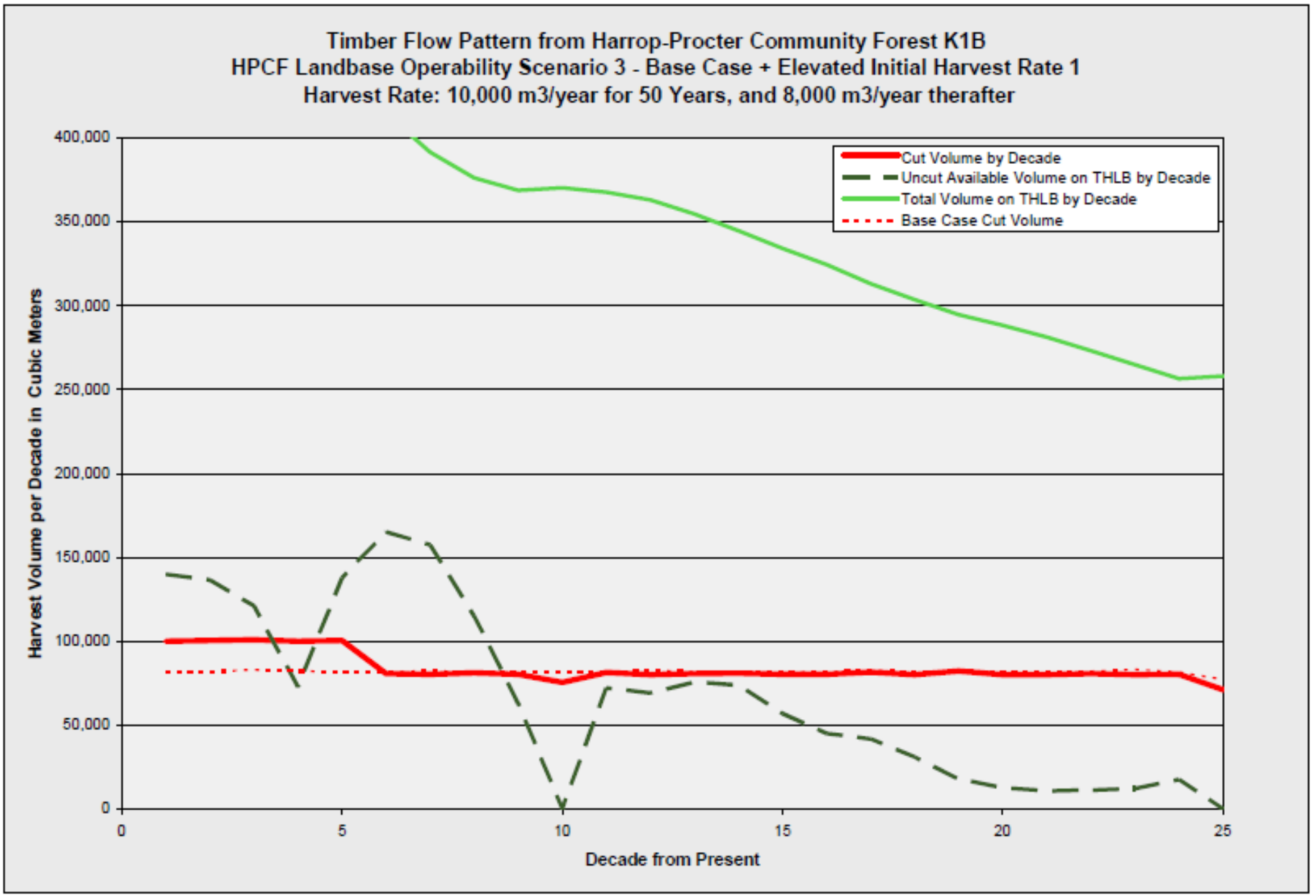
Operability Scenarios and Sensitivity analyses

Scenario	Harvest Rate at:					
	Year 1	Year 50	Year 100	Year 150	Year 200	Year 250
Base Case	8,150	8,150	8,150	8,150	8,150	8,150
Base Case - Accelerated Initial Harvest	10,000	10,000	7,558	8,029	8,000	7,126
Base Case - Accelerated Initial Harvest 2	12,000	11,000	6,500	6,500	6,500	6,500
Operability Scenario 2	9,950	9,950	9,950	9,950	9,950	9,950
Operability Scenario 4	7,125	7,125	7,125	7,125	7,125	7,125
Relaxed Cover Constraints	8,200	8,200	8,200	8,200	8,200	8,200
Terrain Class 4 Netdown of 30%	9,200	9,200	9,200	9,200	9,200	9,200
Site Index - 3 Meters	6,400	6,400	6,400	6,400	6,400	6,400
Site Index + 3 Meters	9,850	9,850	9,850	9,850	9,850	9,850
TIPSY Yield for Managed Stands	8,500	8,500	8,500	8,500	8,500	8,500
Pine Mortality	8,075	8,075	8,075	8,075	8,075	8,075

Our approach (as it evolved)

- Let's be conservative about where we log
- We know, based on new ecosystem data, that current growth rates are underestimated by 25 – 30%
- BUT our forests will be changing because of climate change—more fires, more open forests

- So … let's see what a more conservative landbase with a more realistic growth rate looks like, and consider climate change


Timber Flow Pattern from Harrop-Procter Community Forest K1B
HPCF Landbase Operability Scenario 3 - Base Case + Elevated Initial Harvest Rate 1
Harvest Rate: 10,000 m3/year for 50 Years, and 8,000 m3/year therafter
Cut Volume by Decade
Uncut Available Volume on THLB by Decade
Total Volume on THLB by Decade
Base Case Cut Volume
Harvest Volume per Decade in Cubic Meters
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
0
5
10
15
20
25
Decade from Present

Choices

- Choose conservative operability scenario
- Choose active management for fire risks
- Consider climate change impacts—short-term vs long-term

Discussion