FROM FIRESTORM TO RECOVERY

2024 JASPER WILDFIRE CLEAN UP

Presented at Remtech | October 2026








Burnt camper van
Fri, 04 Apr 2025
Compass


Palisade
Wed, 02 Apr 2025
Compass 49° NE
Notes: Bullpen
Timemark App
Authentic time, GPS


JNP Fire
Waiting Shower
2025.01.15 11:17
52.83907, -118.06652
NW


JNP Fire
Whistlers Campground 5J Otentik
2025.01.15 15:43
52.84883, -118.07568
N


Wabasso Campground
Fri, 07 Mar 2025
52.768577°N, 117.999041°W
Compass 30° NE
Notes: Outhouse
Timemark App
Authentic time, GPS




JNP
Burnt staff accomodation
2025.07.21 14:28
52.85206, -118.11098
W


JNP Fire
Whistler Campground 47C
2025.01.16 09:43
52.84192, -118.07711
W



FROM FIRESTORM TO RECOVERY

01 Logistics, Planning and Preparation

02 Execution and Monitoring

03 Lessons Learned

LOGISTICS PLANNING





ACCESS CHALLENGES

- BRIDGES AND CULVERTS
- TREES AND POWER LINES
- UNSAFE STRUCTURES

LOGISTICAL CHALLENGES

- WORKER ACCOMODATIONS






JNP Fire
Cavell Station
2025.01.16 10:26
52.74496, -117.97211
N


JNP Fire
Cavell Station
2025.01.16 10:24
52.74478, -117.97216
W





TEMPORARY HOUSING



PLANNING

- What has to be done?
- How will it be measured?
- How will it be paid?


JNP Fire
Wapiti Campground Staff Cabin
2025.01.15 11:42
52.83733, -118.06594
NW


JNP Fire
Cavell Station
2025.01.16 10:26
52.74498, -117.97232
S


Wabasso Campground
Fri, 07 Mar 2025
52.768577°N, 117.999041°W
Compass 30° NE
Notes: Outhouse
Timemark App
Authentic time, GPS



MORE PLANNING

- Disposal Options
- Excavation Limits
- Hazardous Materials


DEERE
300G
JNP
Hostel staff accomodation
2025.09.11 09:46
52.85203, -118.11146
NE



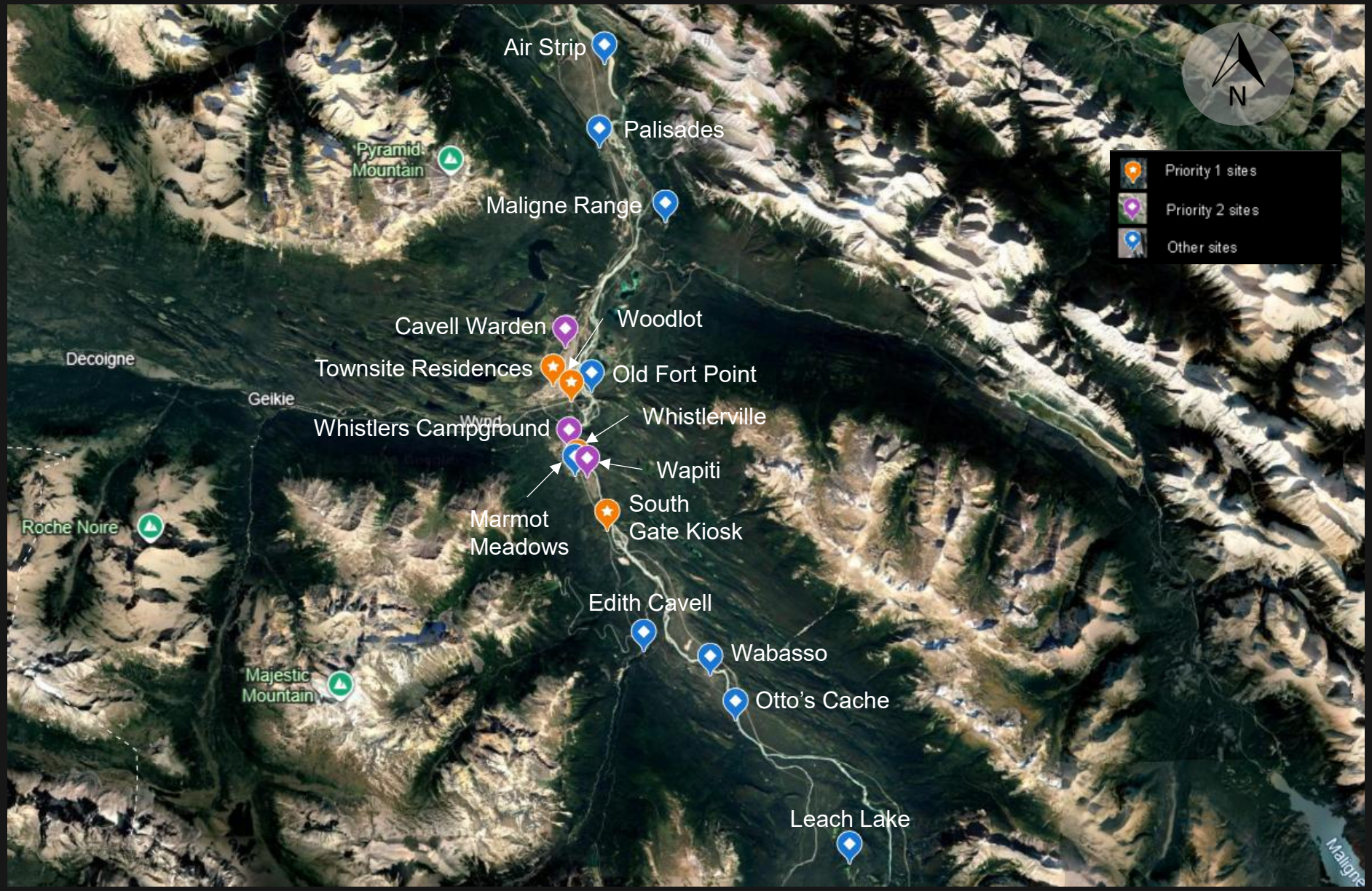
- PAHs were used to determine the extent of wildfire impacts around burnt structures.



EXECUTION



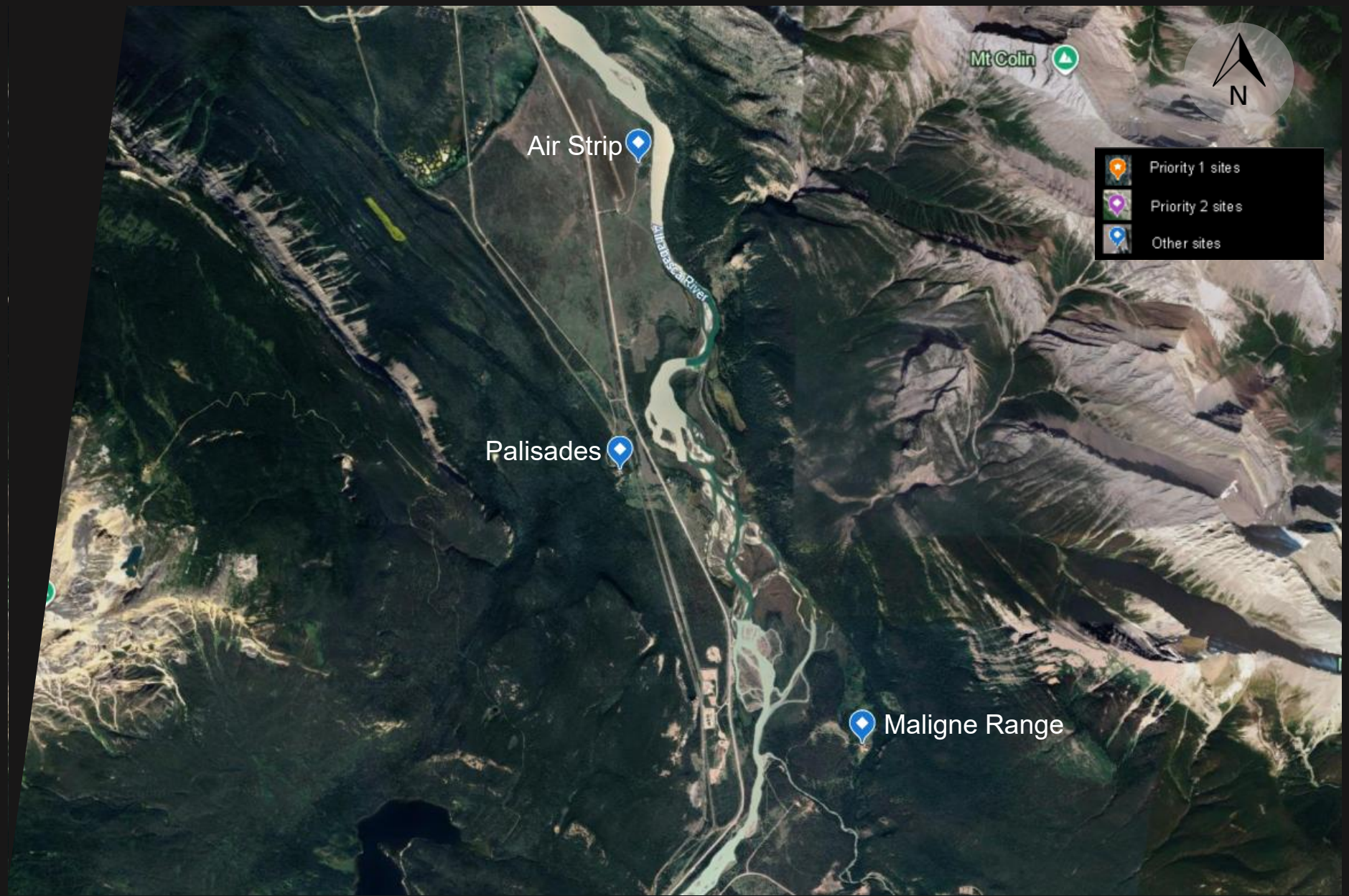
Site Locations Overview



Northern locations

Key Sites

- Palisades Centre
- Maligne Range



Palisades


Jasper National Park / Parc national Jasper
Palisades Centre / Centre des Palisades
N
Yellowhead Hwy & Snaring Rd
Route Yellowhead & Route Snaring
Gate
Barrière
Swift Creek
Rabbit Creek
Legend / Légende
Bunkhouse 1 Dortoir
Machine Shed 2 Remise à machines
Den 3 Tanière
Smithy 4 Forge
Saddle Shop 5 Sellerie
Midden 6 Cache
Barn 7 Grange
Workshed 8 Remise
Bullpen 9 Enclos
Lodge 10 Pavillon
Icehouse 11 Glacière
Garage 12 Garage
House 13 Maison
Office Bureau d'accueil
Dining Room Salle à manger
Telephone Téléphone
Firepit Foyer
Muster Point Point de rassemblement
Fire-impacted
Non-fire-impacted

Palisades

- Access challenge Southern section of the site
- Remediated and Reconstructed bridge – WSP Bridge Team – Swift Creek, fish bearing
- Asbestos contamination – Soil and burnt debris



Maligne Range

- Horse ranch
- Removed burnt debris – former wooden barns, horse stables, fencing, concrete
- Access Bridge – Load limits
- Deployed single axel dump trucks to stay within limits
- Lots of local foot traffic…including





Grizzly Bear 222 and her 2 cubs

A few Jasper locals visiting the Maligne Range site

Central locations

Key Sites

- Townsite Residences
- Whistlers Campground



Townsite Residences

- Fire-impacted staff accommodation demolition and cleanup
- Triplex buildings, rancher style houses, garages and sheds
- Foam layers in concrete
- Geotechnical challenge





- Concrete wall removal required input from WSP Geotechnical team to keep adjacent structure safe.
- Remove concrete wall in sections, slot cut excavation backfill, compaction to specification.

Whistlers Campground

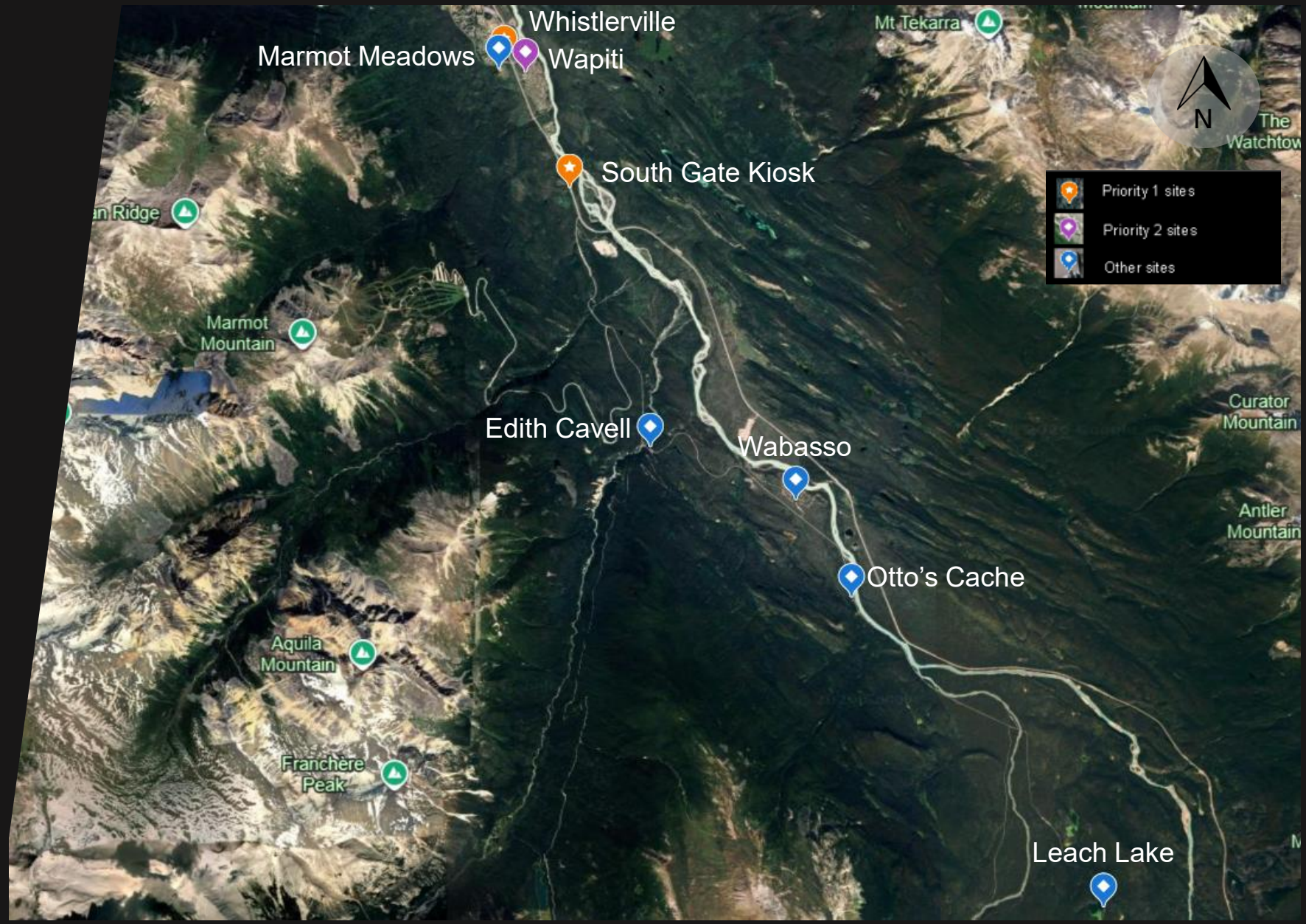
- Former campground
- Fire-impacted kitchen shelter infrastructure
- Asbestos found in window mastic and roof tiles
- Asbestos found in soil



Southern locations

Key Sites

- Marmot Meadows
- South Gate Kiosk
- Leach Lake



Marmot Meadows

- Steep-slope site with some native rodent activity
- Creosote impacted wooden steps
- Spider excavator – minimal damage to existing slope




JNP
Marmot Meadows stairs removal
2025.07.22 10:58
52.83915, -118.07298
W

Leach Lake

- Steep access to remove burnt dock structure



Leach Lake

- Spider excavator
- Abundant fish-activity site



South Gate Kiosk Structure

- Fire-impacted kiosk structure demolition and removal
- High Risk – side of the highway work. TMP, middle lane closure.
- Built like a bunker!



Kiosk Structures







5,558

Tonnes of debris landfilled

750

Tonnes of metal and concrete recycled

6,604

Tonnes of contaminated soil removed

Indigenous Procurement

- Procurement specified Indigenous Participation Plan (IPP)
- Workers from Acho Dene Koe First Nation, BC Métis, Dog Creek, Fort Nelson, Métis, Old Fort Métis Nation and Tahltan Nation respectively

Position	Number of Hours
Operator	4,335 hrs
Labour	2,128 hrs



LESSONS LEARNED





- PAHs are an indicator of potential wildfire effects
- In soil, asbestos analysis has to be done first.



- There are tanks everywhere.


JNP
Hostel staff accomodation
2025.09.09 12:45
52.85208, -118.11124
SE


JNP
Palisades bridge
2025.07.29 08:18
52.96331, -118.05760
S



Contract

- Drastic quantity changes meant for unit rate negotiations, lengthy administration and contract amendments
- P1 Sites – Competitive Unit rate bid
- P2 Sites - Change Order – Unit Rate
- P3-P6 Sites Moved to a time & materials billing arrangement using Alberta Roadbuilder Rates



THANK YOU

