



Protecting Critical Infrastructure: A Collaborative Approach

Peter Dalton, Director
Security and Emergency Management



Incident Types Are Changing

- Infrastructure being impacted by natural disasters
- Risks are more than spills
- Better understanding needed between companies and communities



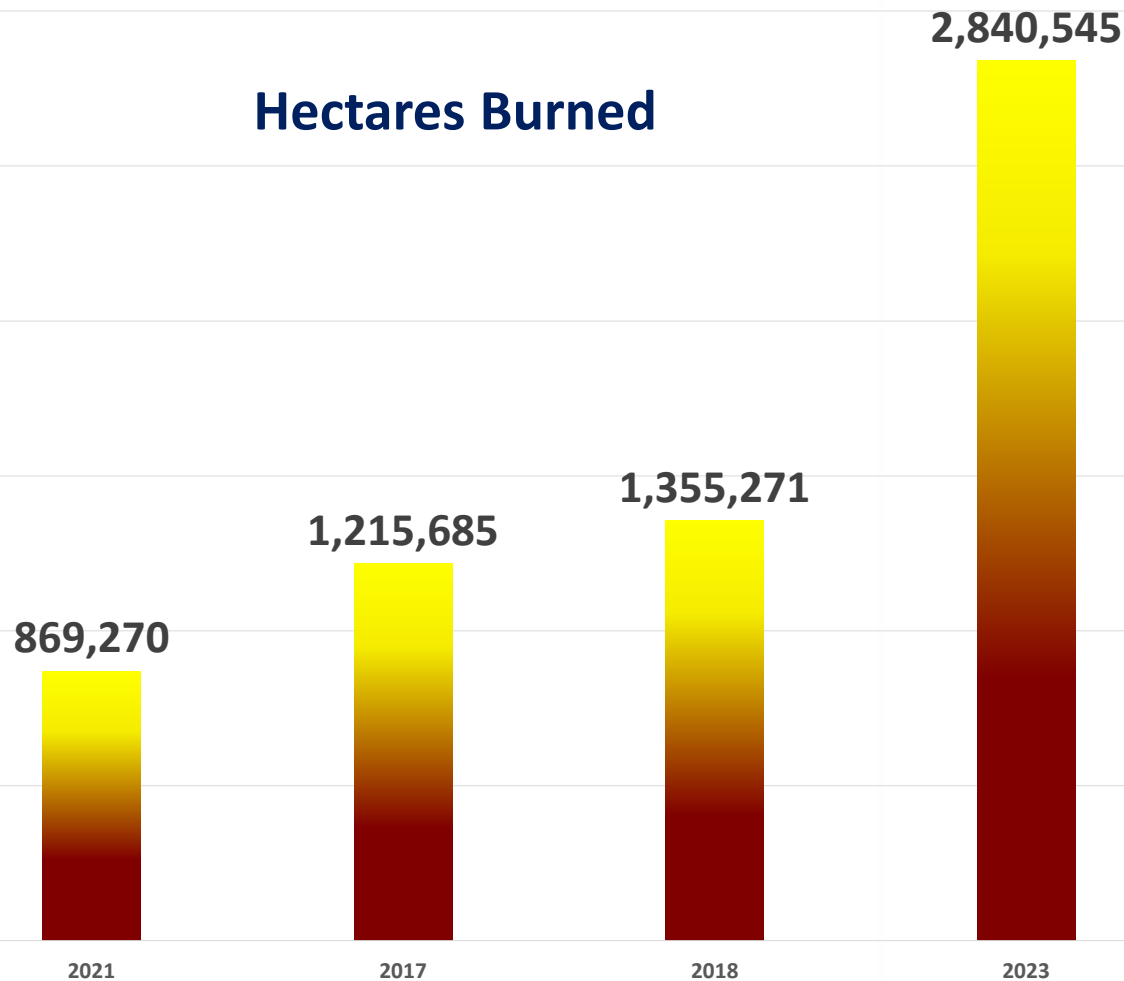


Nobody is immune

- Developing information sharing tools
- Focus on safe operations

Photo taken from BCER's Kelowna, BC office during 2016 flooding event

Hectares Burned



Some context . . .

- **2,245** – Number of fires across British Columbia, about one third of the national total of 7,131.
- **17** Production areas impacted
- **64** Energy Companies Contacted - 62 provincially, 2 federally regulated, with wildfires in proximity to their assets.
- **100 +** - The number of over-wintering “Zombie” fires.

Four topic areas were identified for discussion within the November 2023 roundtable event:



1. GIS Tools and Systems
 2. Evacuation & Entry Protocols / Processes
 3. Communications
 4. Wildfire Resilience (Firesmart, Structural Protection, Planning)
- A fifth topic, safety, also emerged from the discussions

2023 Wildfire Season Roundtable

On November 2nd, 2023, the BC Energy Regulator hosted a post-season wildfire round-table. The goal of this gathering was to understand the impacts of the fire season on participants, to look at key actions undertaken, and to identify best practices and opportunities for improvement.

We are grateful for the opportunity to hold our discussions on the traditional territories of the Treaty 8 Nations, and acknowledge the devastating impacts that the season's fires had on many Indigenous communities across the province, particularly in North-Eastern British Columbia.

We also want to acknowledge the valuable contributions to the forum from the BC Wildfire Service, Peace River Regional District, Northern Rockies Regional Municipality, the Ministry of Emergency Management and Climate Readiness, Energy Safety Canada, members of the Aboriginal Liaison Program, and the many industry participants.

Industry and Agencies

- Working with local authorities
- Identifying supporting agencies
- Focus on safe operations



BRITISH COLUMBIA ENERGY REGULATOR

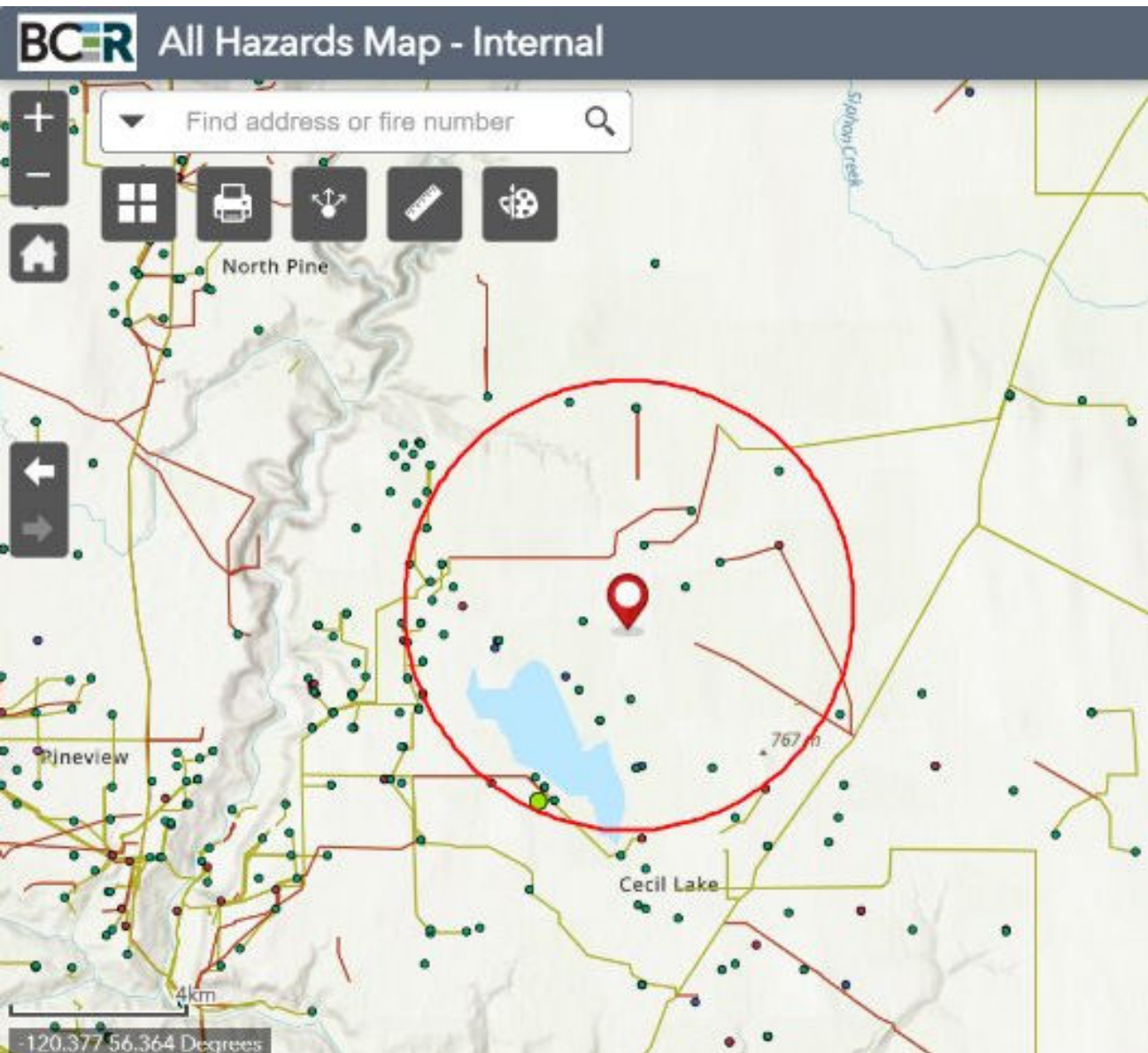


Fire Smart

- Helping to update the guide
- Reference on smoke exposure
- Working towards a common pipeline crossing process

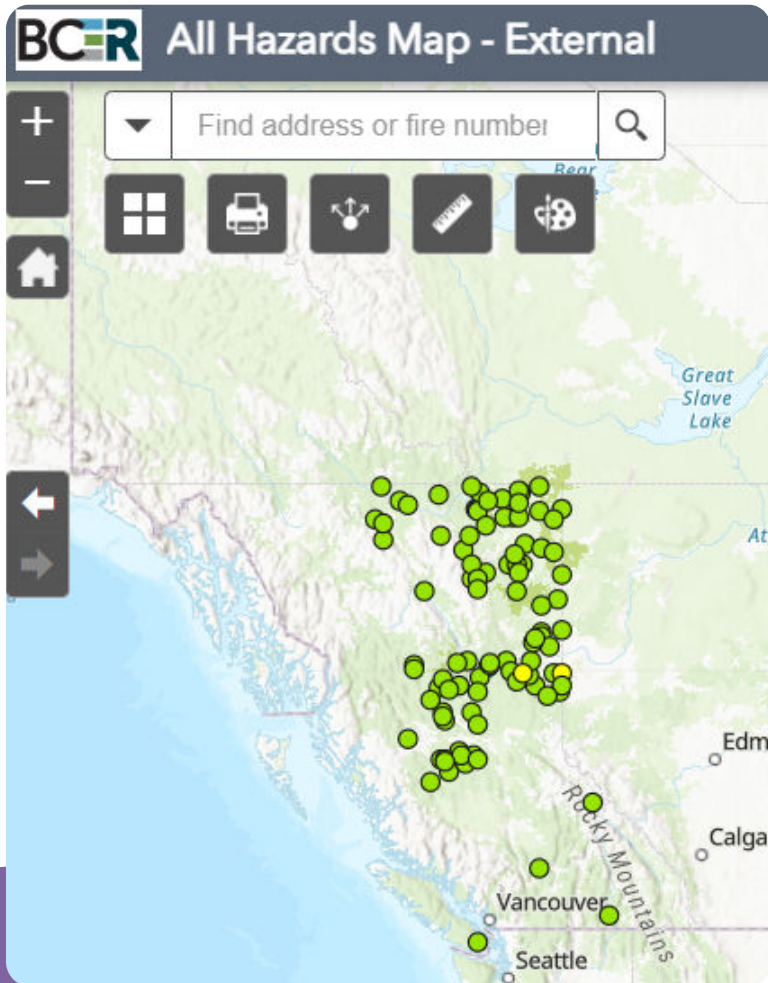


**Kamloops Air Tanker
Base and Provincial Fire
Coordination Centre**



New Resources

- Updated all-hazards map



Focus on field staff safety

- Evolving our tools
- Common map format
- Immediate focus on wildfire
- Able to integrate other hazards

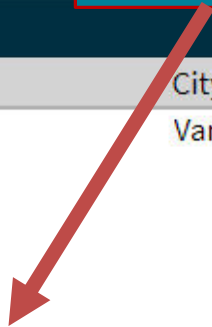


Android or i-Phone options



BC Wildfire Service 17+
Official BC Wildfire Info
[Government of British Columbia](#)
Designed for iPad
★★★★★ 2.8 • 248 Ratings
Free


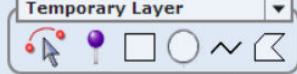



<input type="checkbox"/>	Rep. Year ▾	Facility Name	City
<input type="checkbox"/>	2024	SAMPLE Hydrogen Site	Vancouver




Responder summary for facility: **SAMPLE Hydrogen Site (2024)**

Address: **1010 West King Edward St. (at Oak St.), Vancouver, British Columbia V3K6L8, Canada**

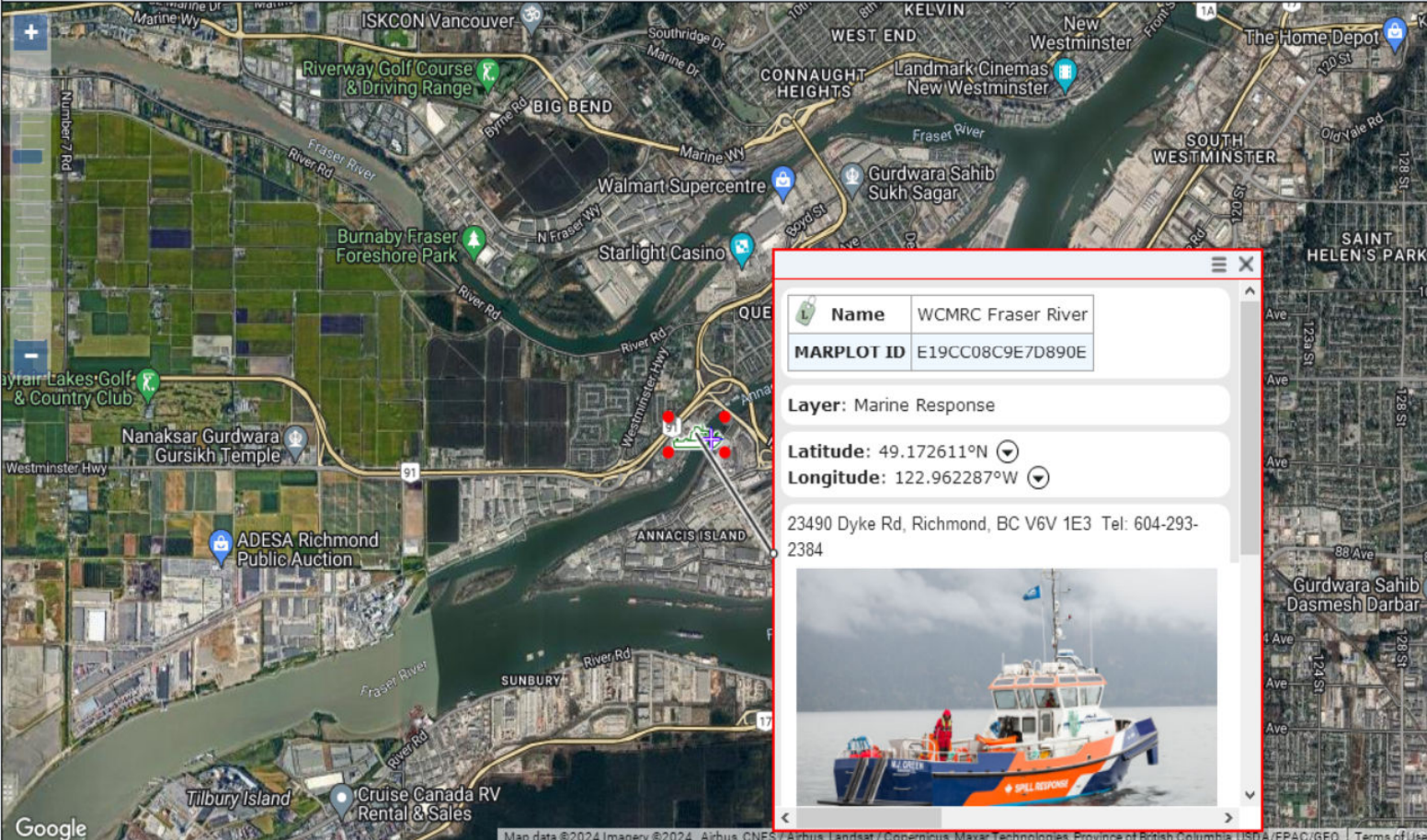
CHEMICALS	PHONE NUMBERS & CONTACTS
Hydrogen	Facility retail hydrogen phone:
CAS: 1333-74-0 EHS ⓘ	250-111-2222
Physical properties: pure	untitled Operator
Storage Locations	Work: 250-111-2222
• South-west corner, Cylinder, Greater than ambient pressure, Ambient temperature	
Physical Hazards: Explosive; Flammable (gases, aerosols, liquids, or solids); Gas under pressure (compressed gas)	
Health Hazards: Simple asphyxiant	



Controls:  Edit: **Temporary Layer**  Search & Get Info:  ALOHA & CAMEO:  Other: 

Selection Info: **1 object selected** (WCMRC Fraser River, Marine Response)

Extra Tools: 

Click Point (📍): 49.172227°N, 122.960377°W

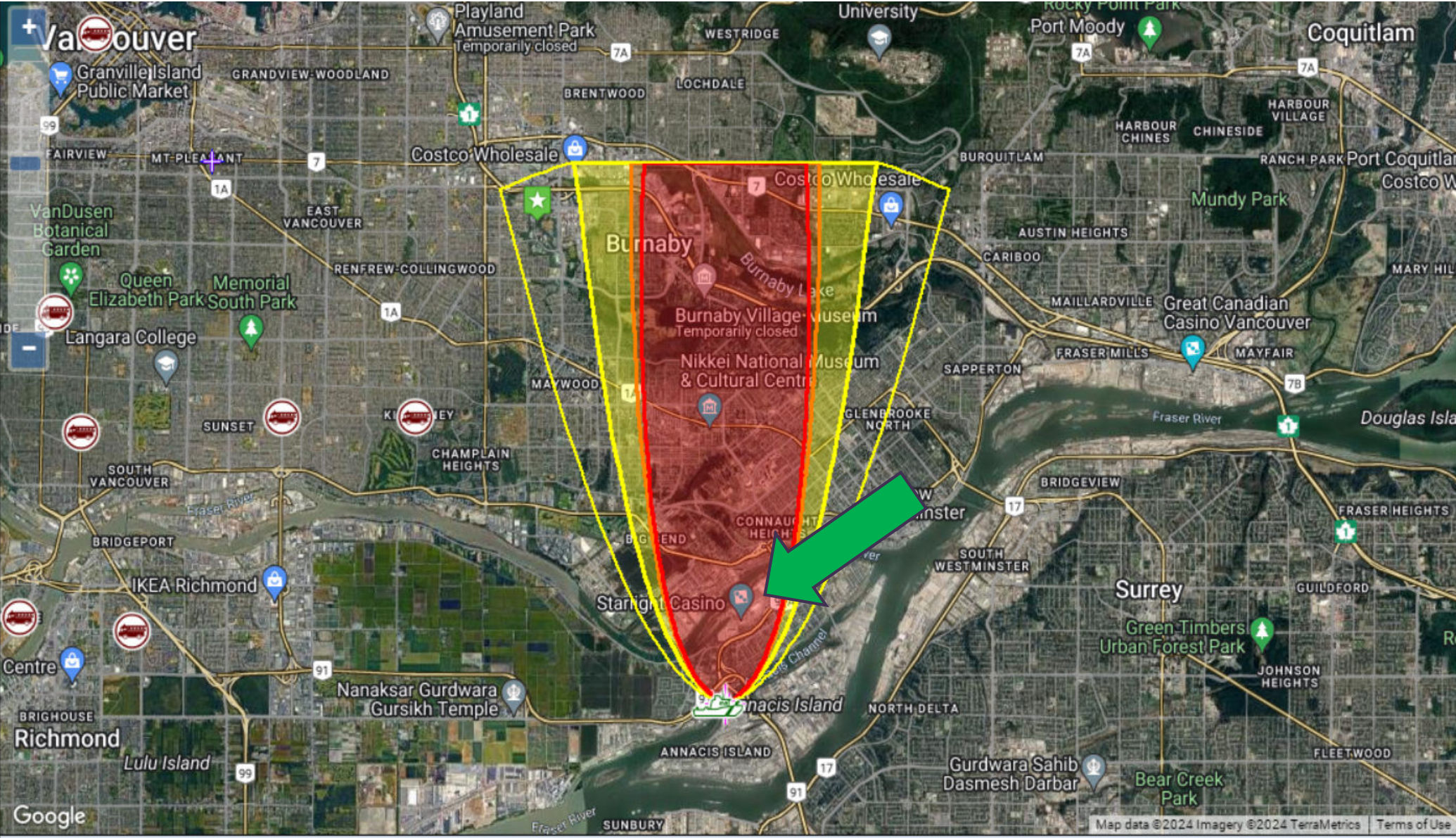


	Name WCMRC Fraser River
MARPLOT ID	E19CC08C9E7D890E
Layer: Marine Response	
Latitude:	49.172611°N
Longitude:	122.962287°W
23490 Dyke Rd, Richmond, BC V6V 1E3 Tel: 604-293-2384	
	

Cursor: 49.172227°N, 122.960377°W

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- Wells & Well Facilities
- Pipelines
- Facilities
- BC Boundaries
- Inspector Areas_2019
- Special Sites
 - Marine Data
 - Spill Response
 - Marine Response
 - Police
 - Airports
 - Fire Departments
 - School & Health
 - Clinics
- Incidents
- Seismic
- CAMEO Suite
- ▼ WMSs & Raster Maps: 1 Shown
- ▼ Web Mapping Services (WMSs)
 - Municipal Boundaries



Vancouver

Burnaby

Coquitlam

Surrey

Richmond

SUNBURY

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Working near Pipelines



If crews working on firebreaks accidentally hit a pipeline, we can model the release, know where the risks are going to be.

**Staying
current
with
leading
research
projects**



FireSmart[®] Guidebook for the

OIL AND GAS INDUSTRY



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Thank you!

<https://bc-er.ca>