



Investing in Geoscience: Positioning BC for Economic Recovery

Dr. 'Lyn Anglin, P.Geo.

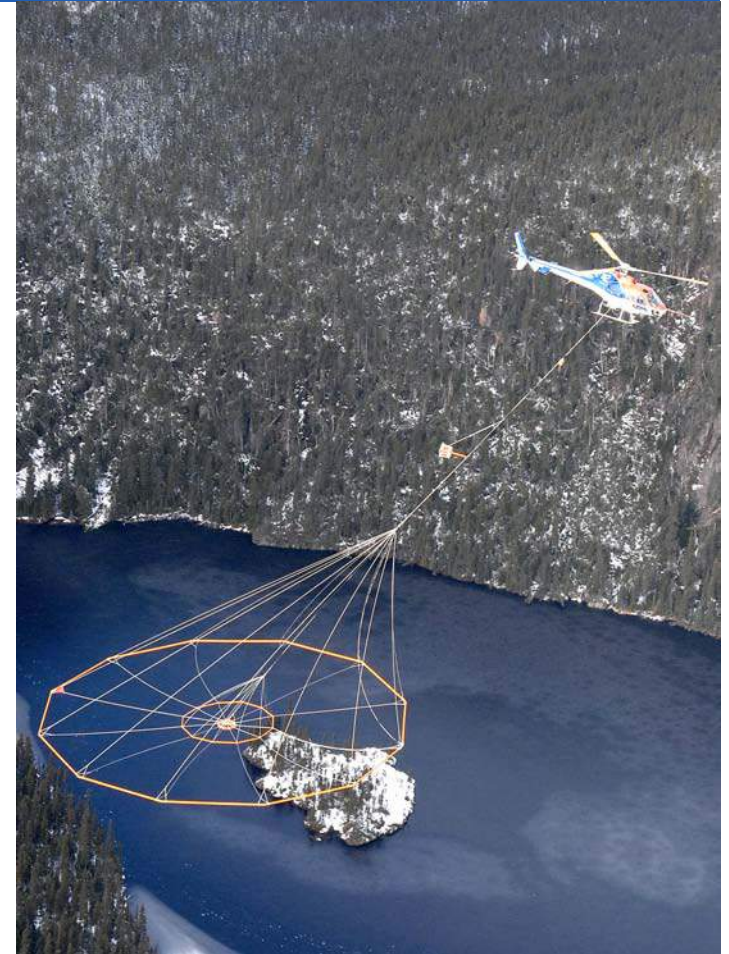
President & CEO, Geoscience BC

October 9, 2009



Geoscience BC - Organization

- **Mandate:** attract new mineral and oil & gas investment to British Columbia, with geoscience data and expertise
- **Government-Industry Partnership**
- **Innovative approach to delivering applied geoscience** – unique in Canada
- **Governance:** volunteer Board of Directors, primarily from industry
- **High Technical Credibility** – Technical advice & direction from industry
- **Low overhead:** less than 15%
- **Entrepreneurial:** flexible, responsive
- **Focus on Partnering:** engaging with community and FN groups, industry, academia, and government



GBC Major Initiatives - Minerals

- **QUEST**

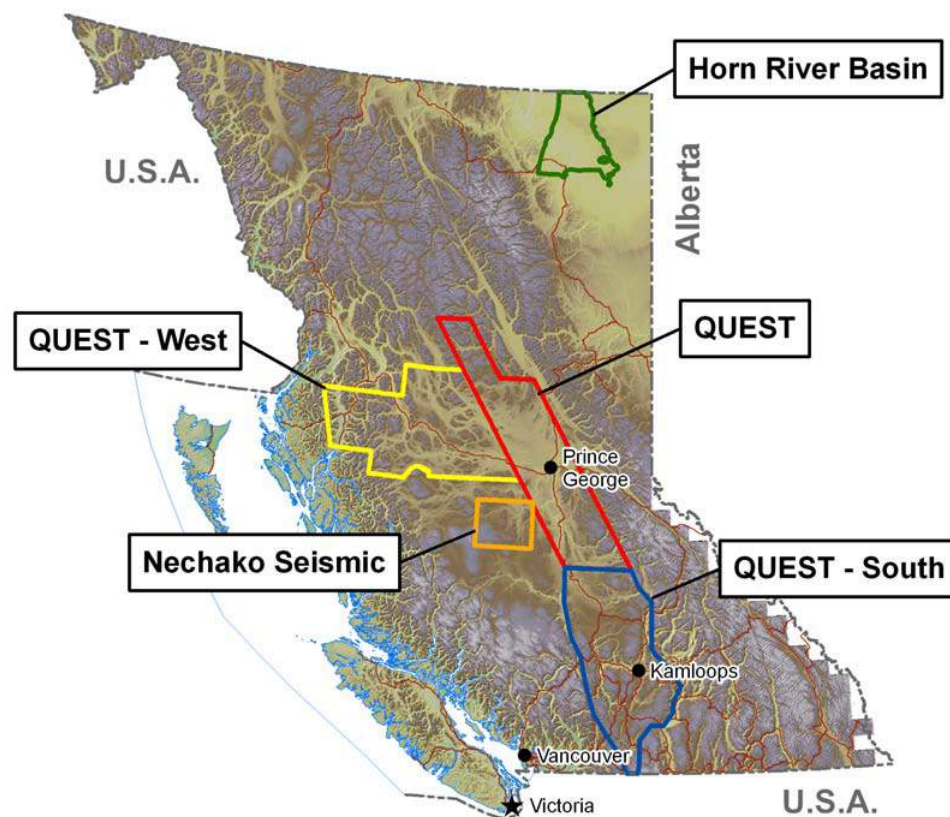
- \$5+ Million – incl. NDIT grant
- 850,000+ ha staking, ongoing
- \$10+ Million industry (est.)
- Value-added projects generating more interest

- **QUEST-West**

- \$5+ Million – with NDIT & Community Partner grants
- 200,000+ ha industry staking
- Value-added projects to come

- **QUEST-South (NEW)**

- \$3.5+ Million - data to be released in January 2010 at “Roundup”



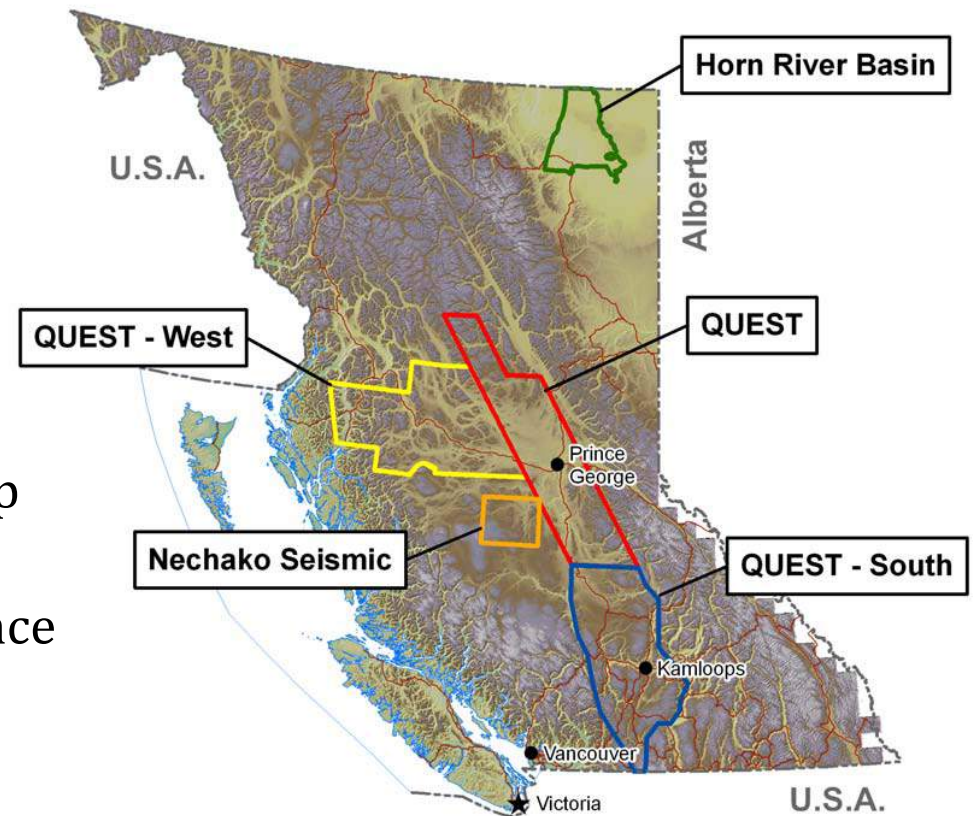
GBC Major Initiatives – Oil&Gas

- **Nechako Basin Seismic**

- \$2.5 Million – with \$0.5 Million NDIT Partner Funding
- Local FN employment & service industry involvement

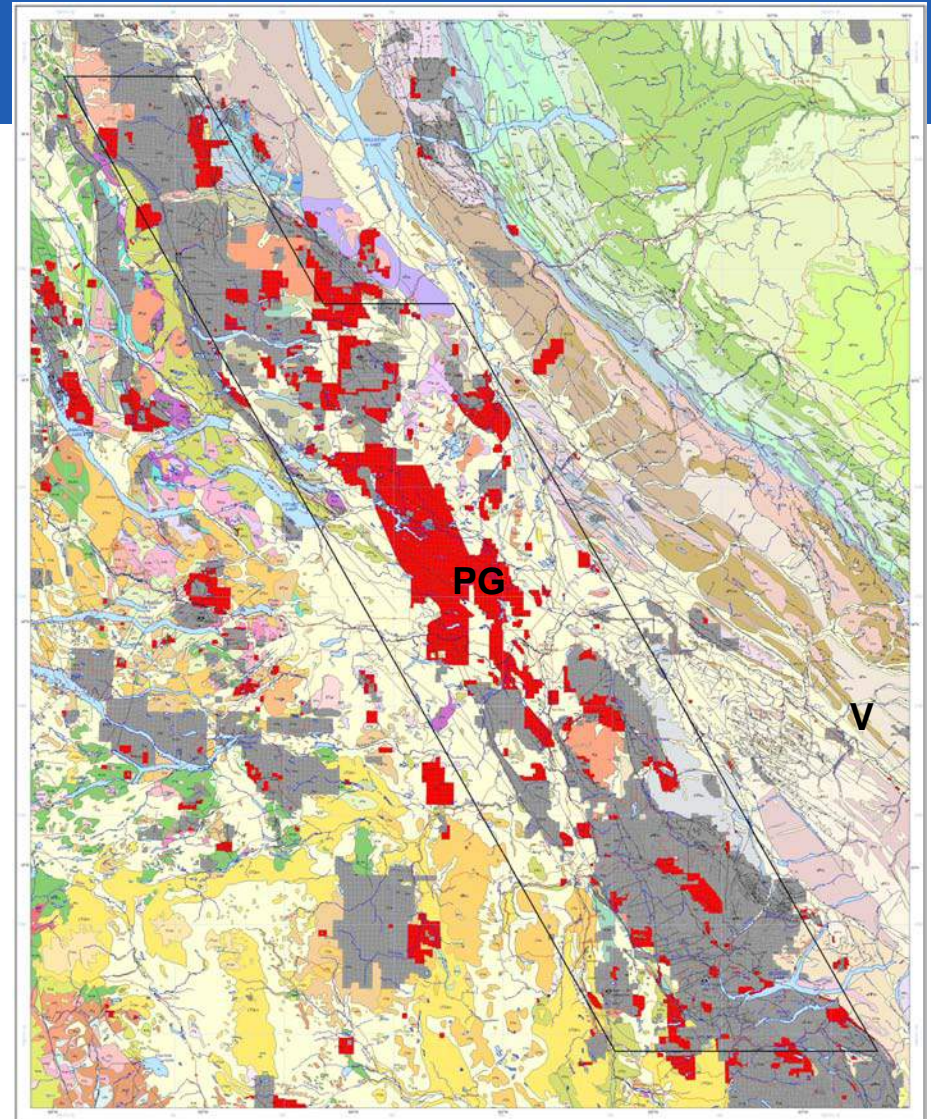
- **Horn River Basin Subsurface Aquifer Study**

- \$5 Million + HRB Producer Group Partner Funding (>\$5 m in-kind)
- Facilitating partnership geoscience research among HRBPG
- Goal: reducing environmental footprint of development and impact on surface and potable water

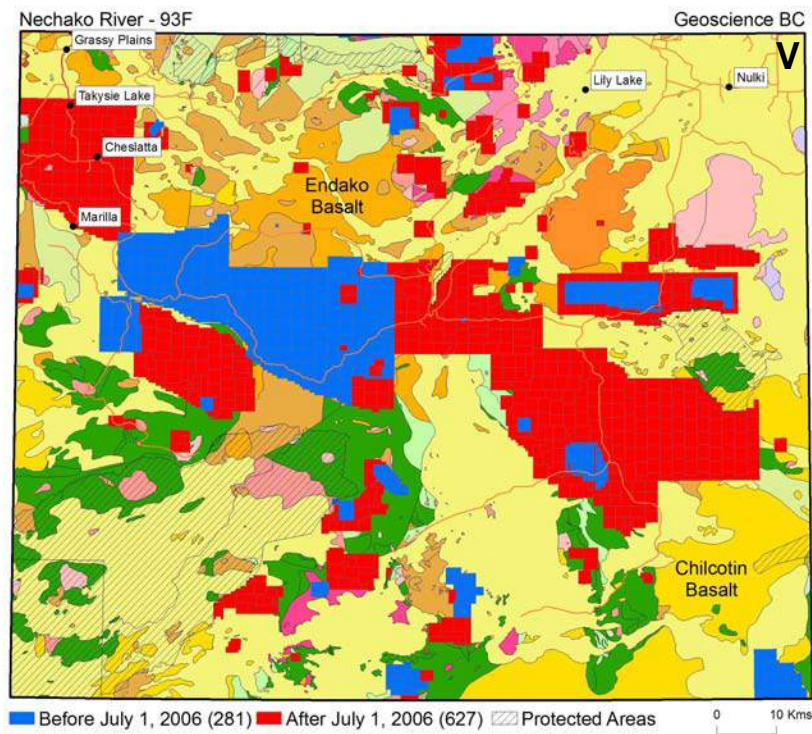


Results – Minerals

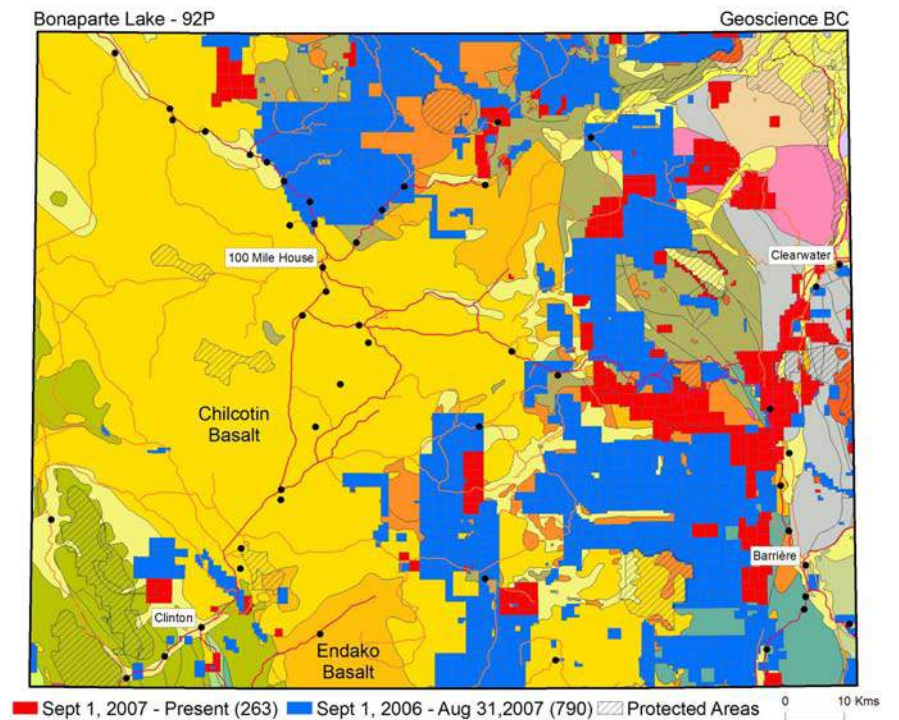
- estimate well over 1 million ha of staking resulting from Geoscience BC projects in last 3 years
- Industry investment in follow-up activities ongoing
- Long-term value of geoscience data = the infrastructure for exploration
- Short-term direct investment in communities:
 - Geoscience BC's contractors/ proponents spent 10 to 15% of their \$ directly in communities
 - Industry estimates 15 to 20% of their expenditures are local, + seasonal hiring



Results – Minerals



Nechako Lake (93F)



Bonaparte Lake (92P)

Future Opportunities: Positioning BC for Economic Recovery

What Needs to be Done? Lots!

Minerals Projects – options: continue QUEST-style projects: (blue boxes), e.g.

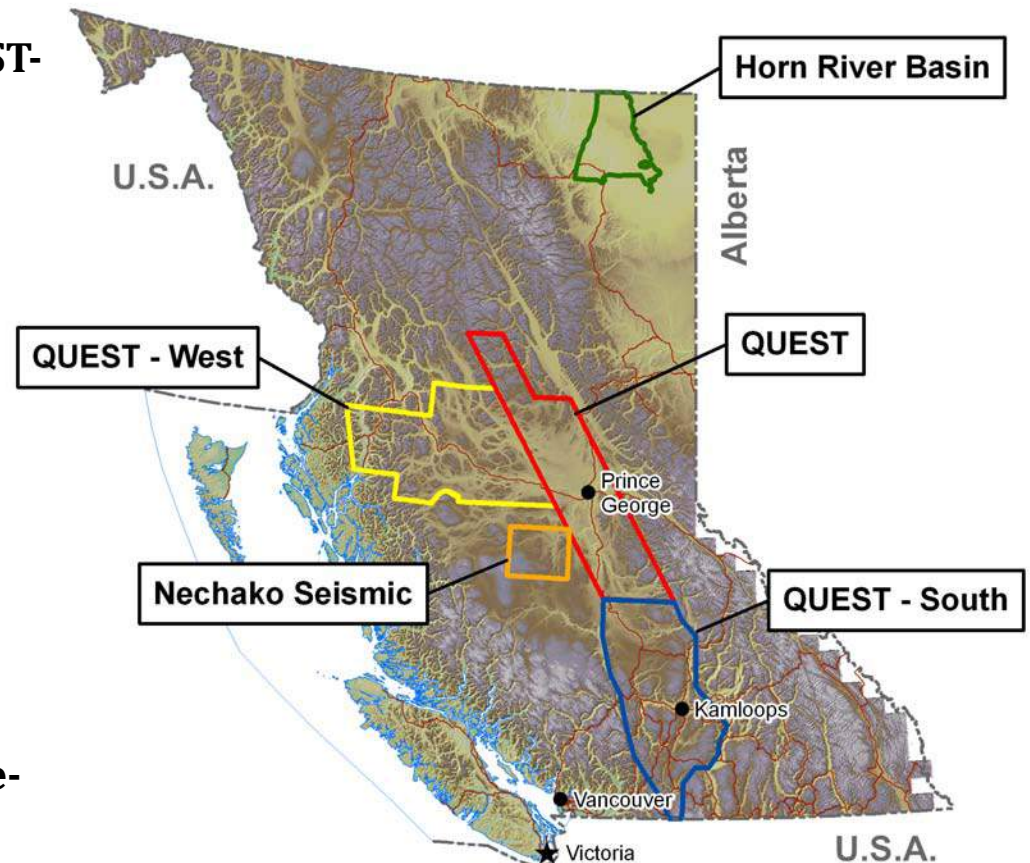
- Hwy 37 corridor!!! – lots of mineral potential, lots of geoscience gaps,
- QUEST-North,
- Northern Vancouver Island, ...

•Oil&Gas Projects – options (green ovals):

- Montney aquifer study,
- Liard Basin,
- Cordova Embayment, ...

•Data integration and interpretation: value-added work, e.g. BC GeoMap with MEMPR mappers, and other follow-up projects

•Other projects or programs: e.g. outreach, prospectors' assistance, FN engagement ...



Value of Geoscience

Investing in geoscience:

- provides the knowledge infrastructure for exploration and development
- increases BC's competitiveness, and sends a positive message to the exploration industry
- Exploration is a direct investment in communities: e.g.
 - local employment on ground-based survey projects;
 - purchase and expediting of local supplies and services;
 - Economic diversification in areas affected by the Mountain Pine Beetle

**Geoscience > Exploration > Discoveries
> New Mines!**



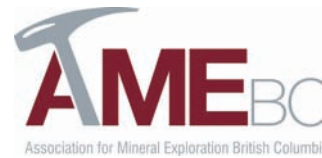
GBC Recommendations to Government

1. Continue investing in geoscience to help position BC for economic recovery:
 - new projects in key regions will attract investment and reduce exploration risk
2. Consider reinvesting some of the fees collected from the exploration industry directly into programs that support exploration
3. Consider renewed funding for Geoscience BC to continue organization beyond 2011-2012



Photo taken by a prospector working on his claims near Terrace when the QUEST-West AeroTEM system flew over his property

Thank You to Some of Our Partners



the Vancouver Island Exploration Group



Ministry of Energy, Mines and Petroleum Resources



+ industry , academia, ...