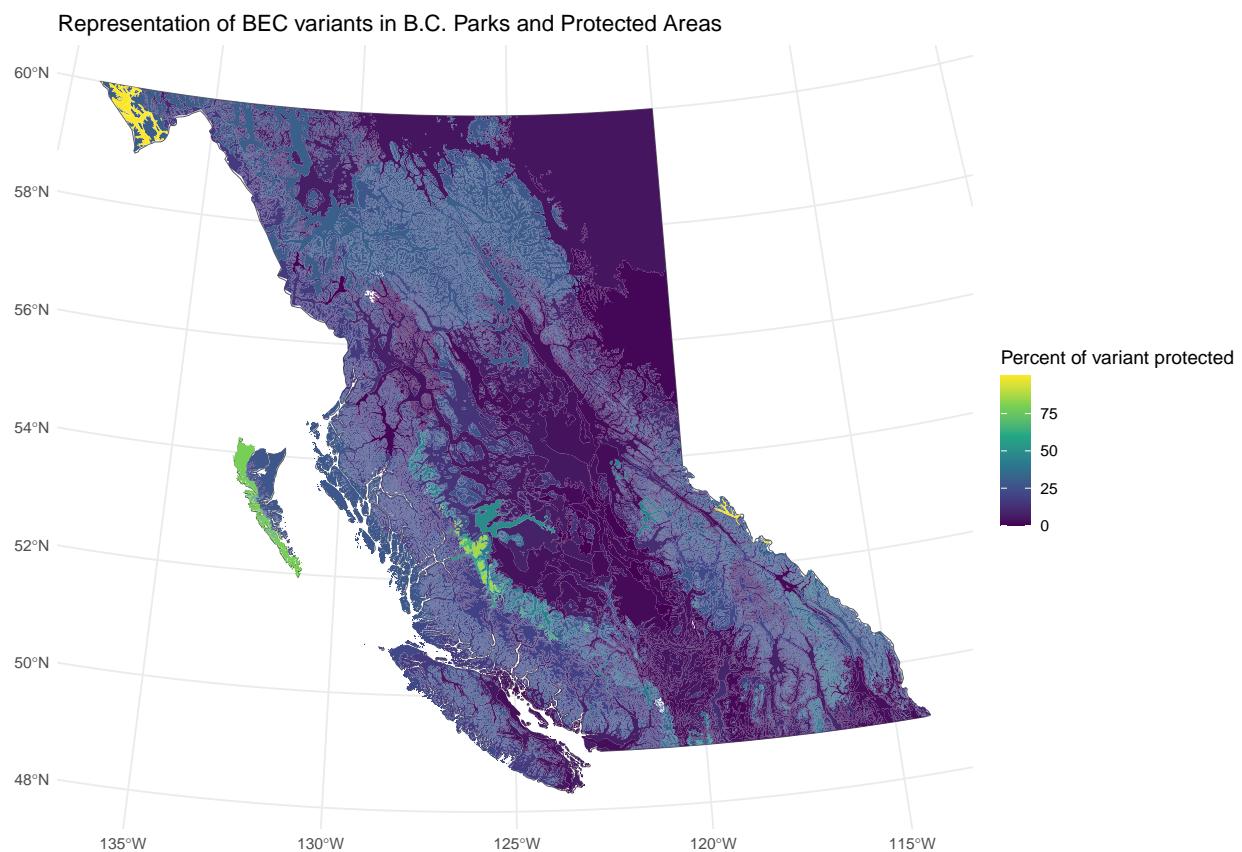
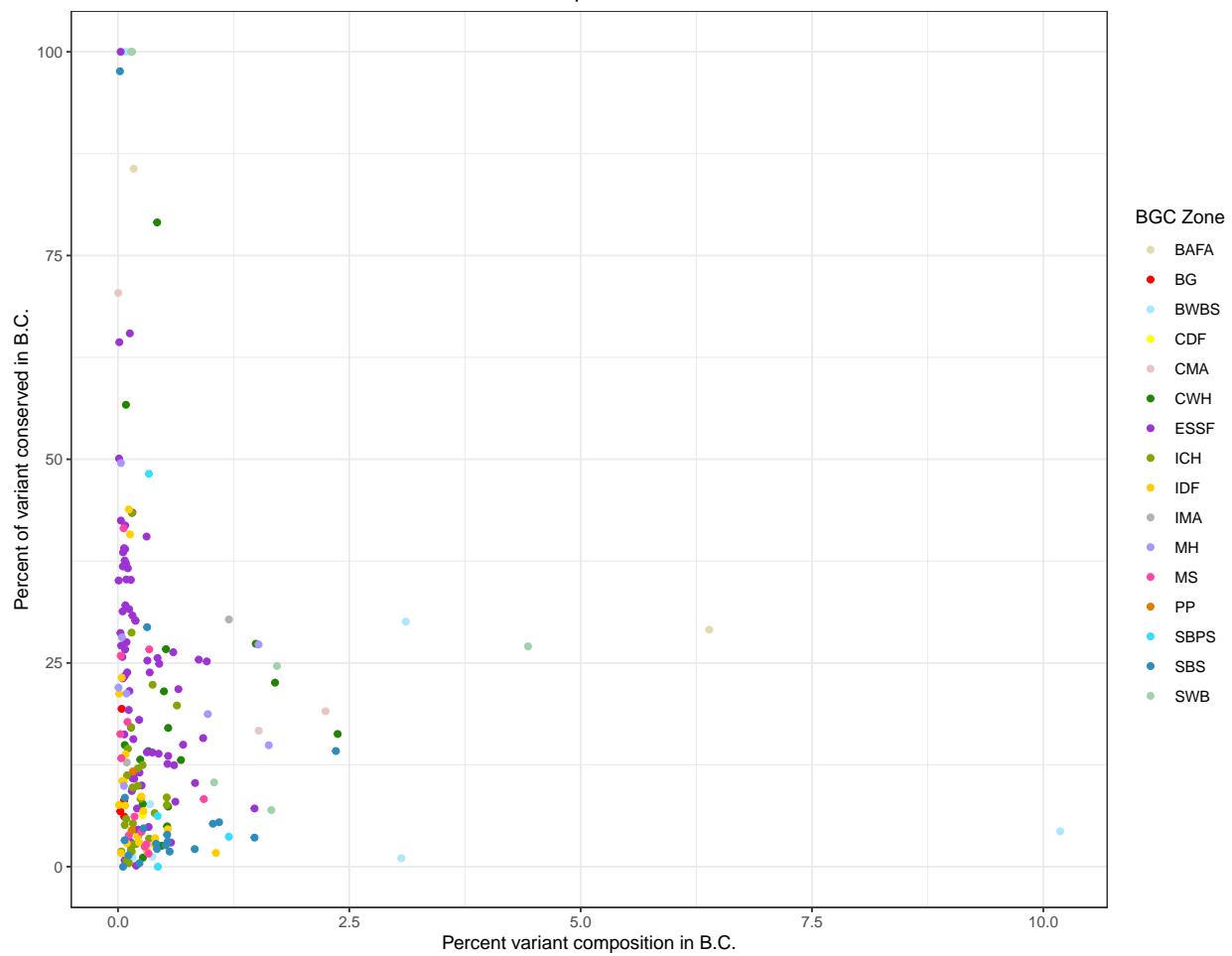


Ecosystem Representation in BC Conserved and Protected Areas

- Protected Area coverage of BGC Variants (207) and Ecoregions (47)
- 789 unique combinations of BGC Variants x Ecoregions
- Protected Areas = Canadian Protected and Conserved Areas Database
 - Parks and Protected Areas + OECMs
 - Mostly only looked at PPAs

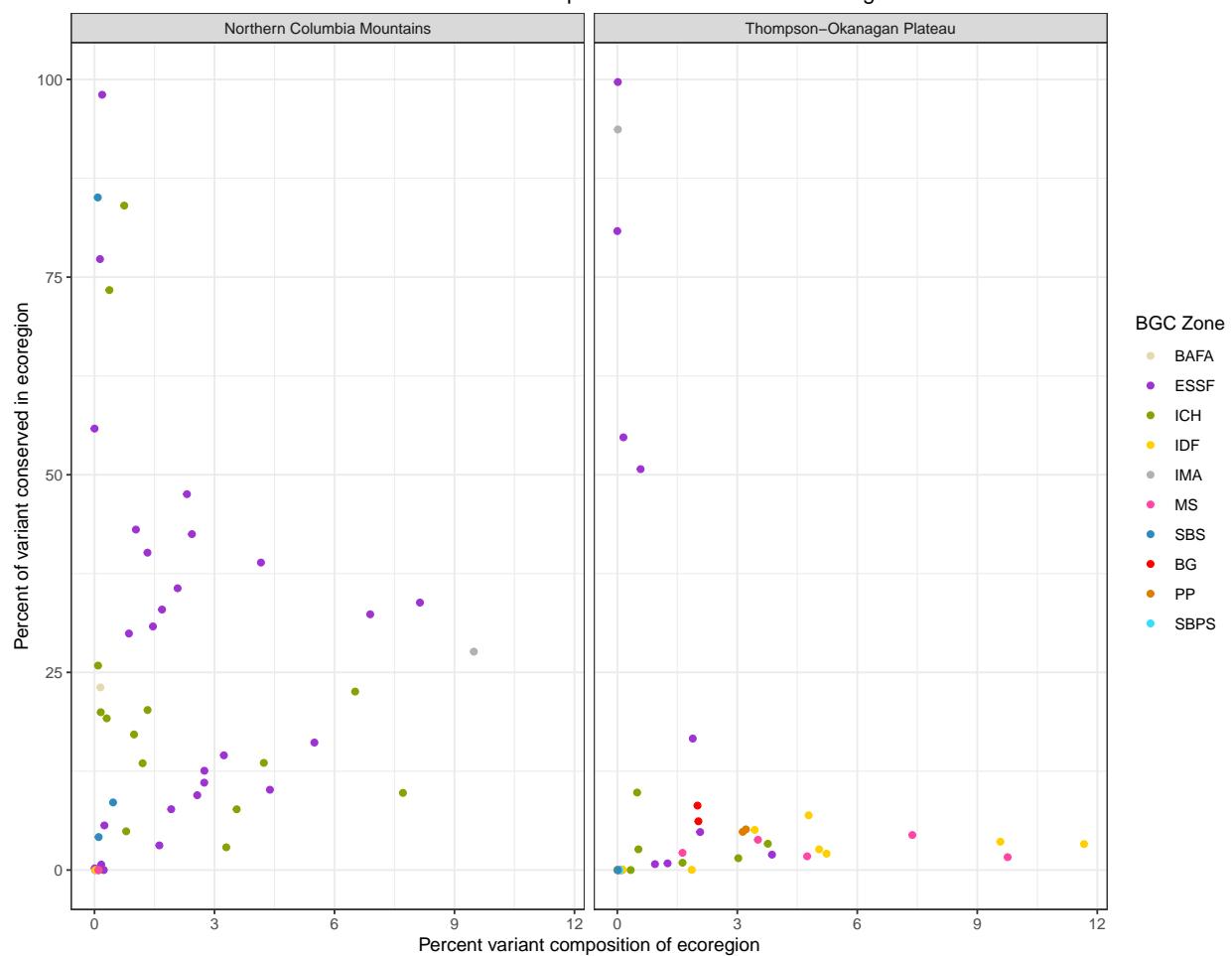


Percent of BGC variant conserved in PPAs vs Composition in B.C.

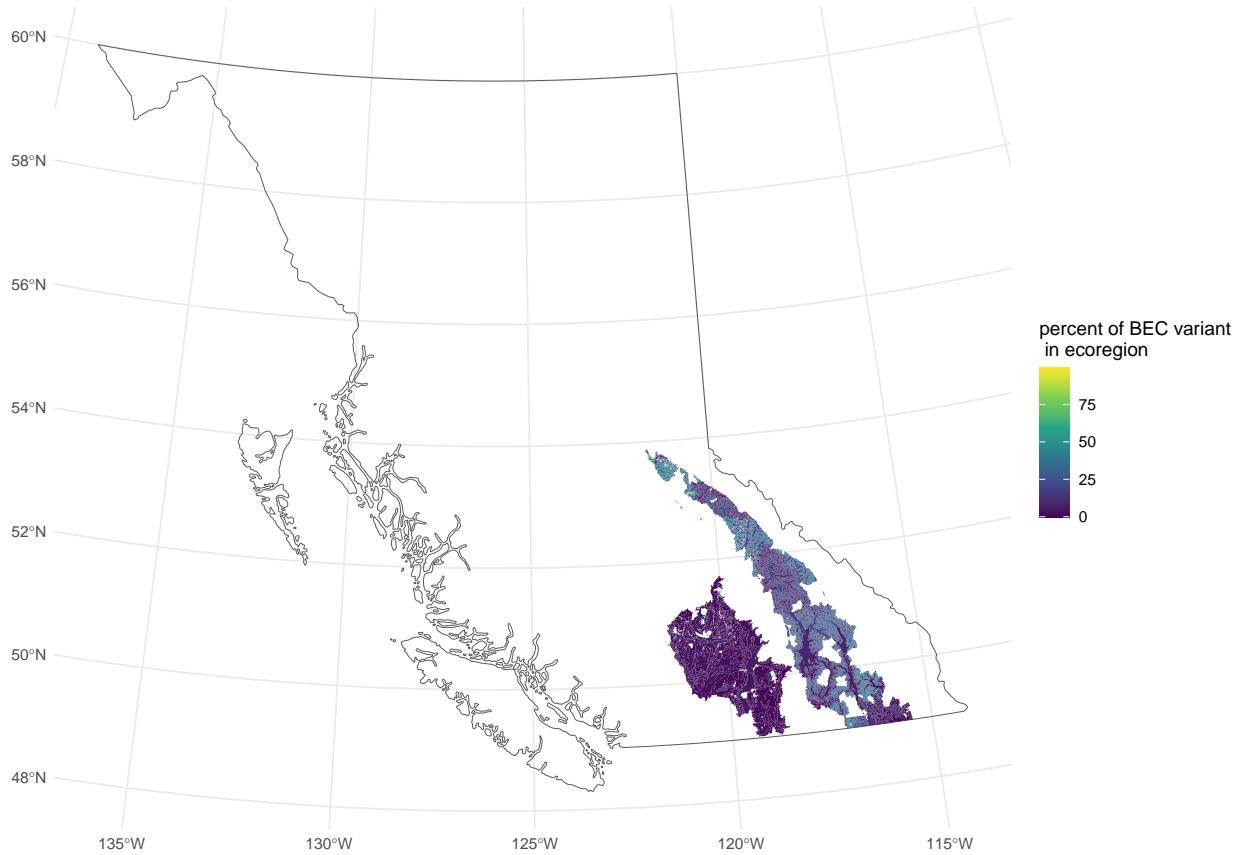


Variants can be spread widely across the province, and looking at the provincial variant analysis does not provide information about where greater protection of a variant should occur - to achieve this we intersected with Ecoregions

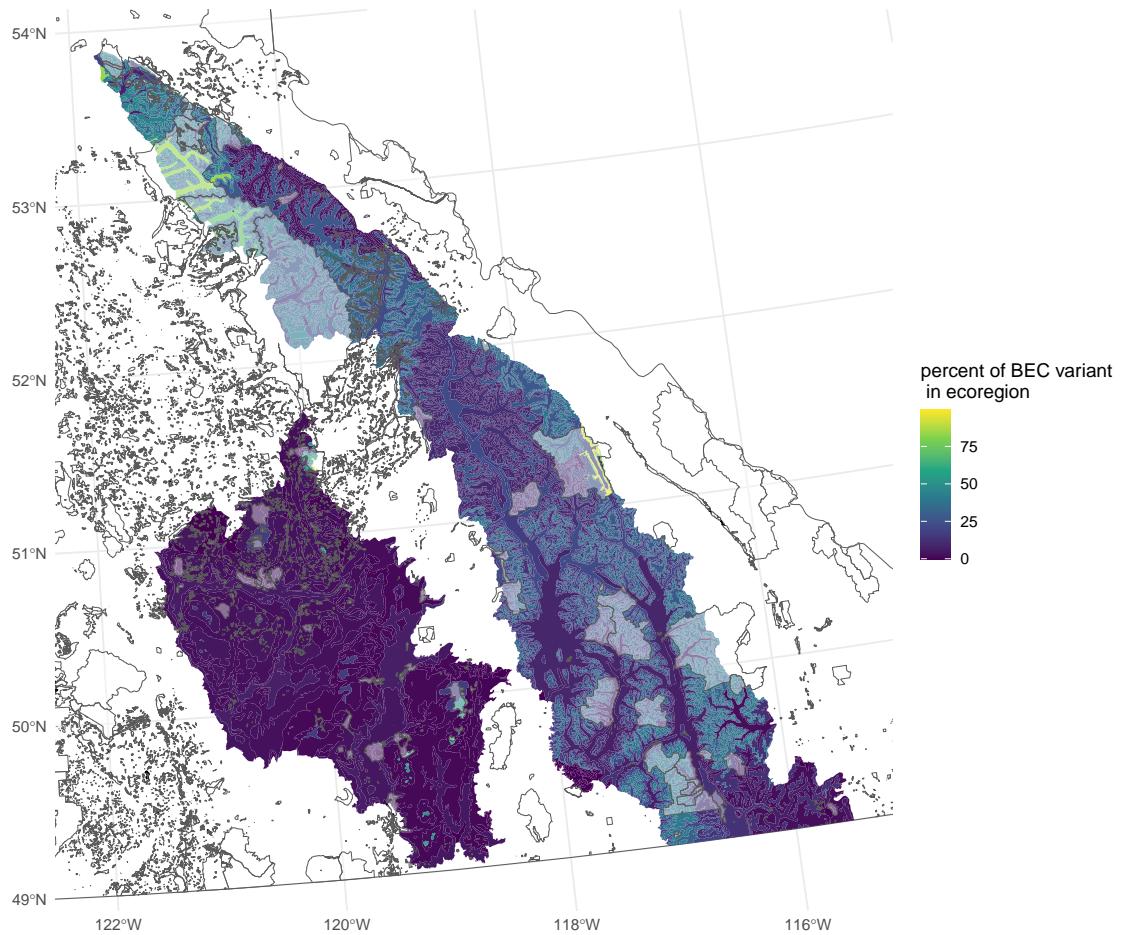
Percent of BEC variant conserved in PPAs vs composition in two selected Ecoregions



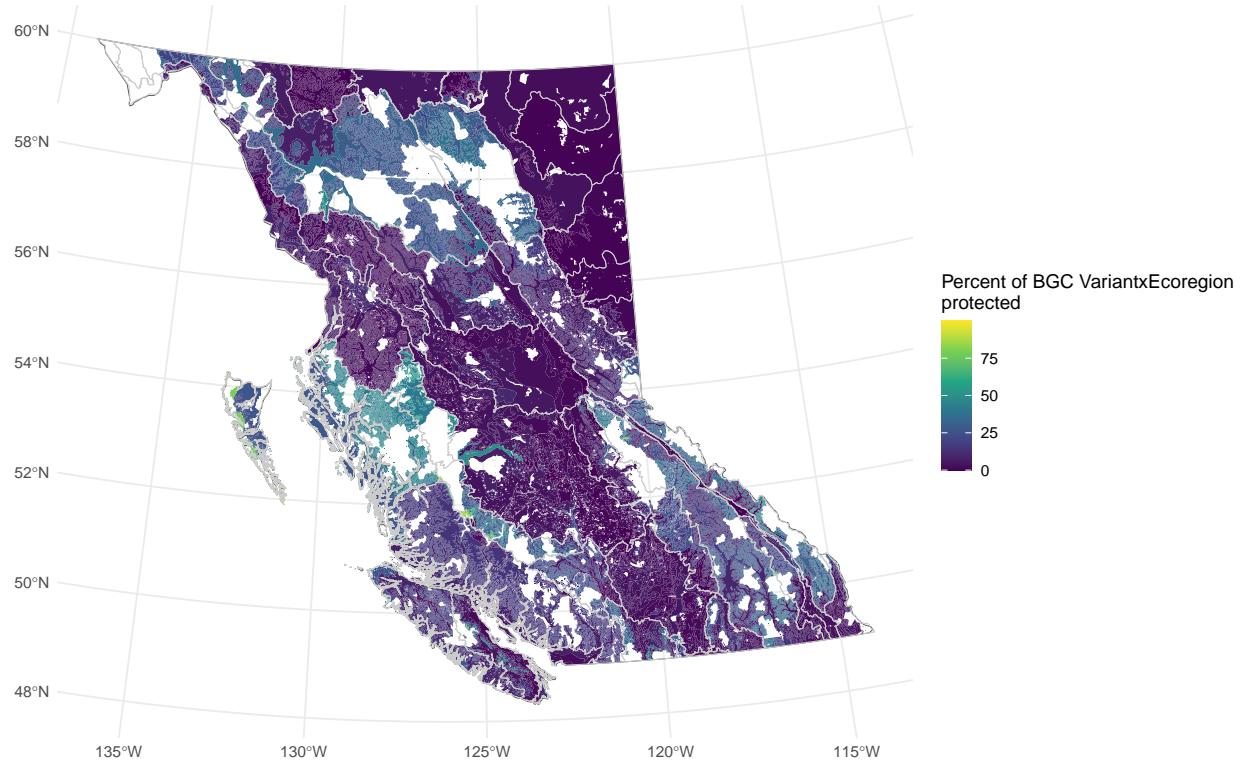
Percent of BEC Variants protected in Northern Columbia Mountains and Thompson Okanagan Plateau ecoregions



Percent of BEC Variants protected in Northern Columbia Mountains and Thompson Okanagan Plateau ecoregions



Representation of BEC variants x Ecoregions
in B.C. Parks and Protected Areas
PPAs & OECMs removed



Questions:

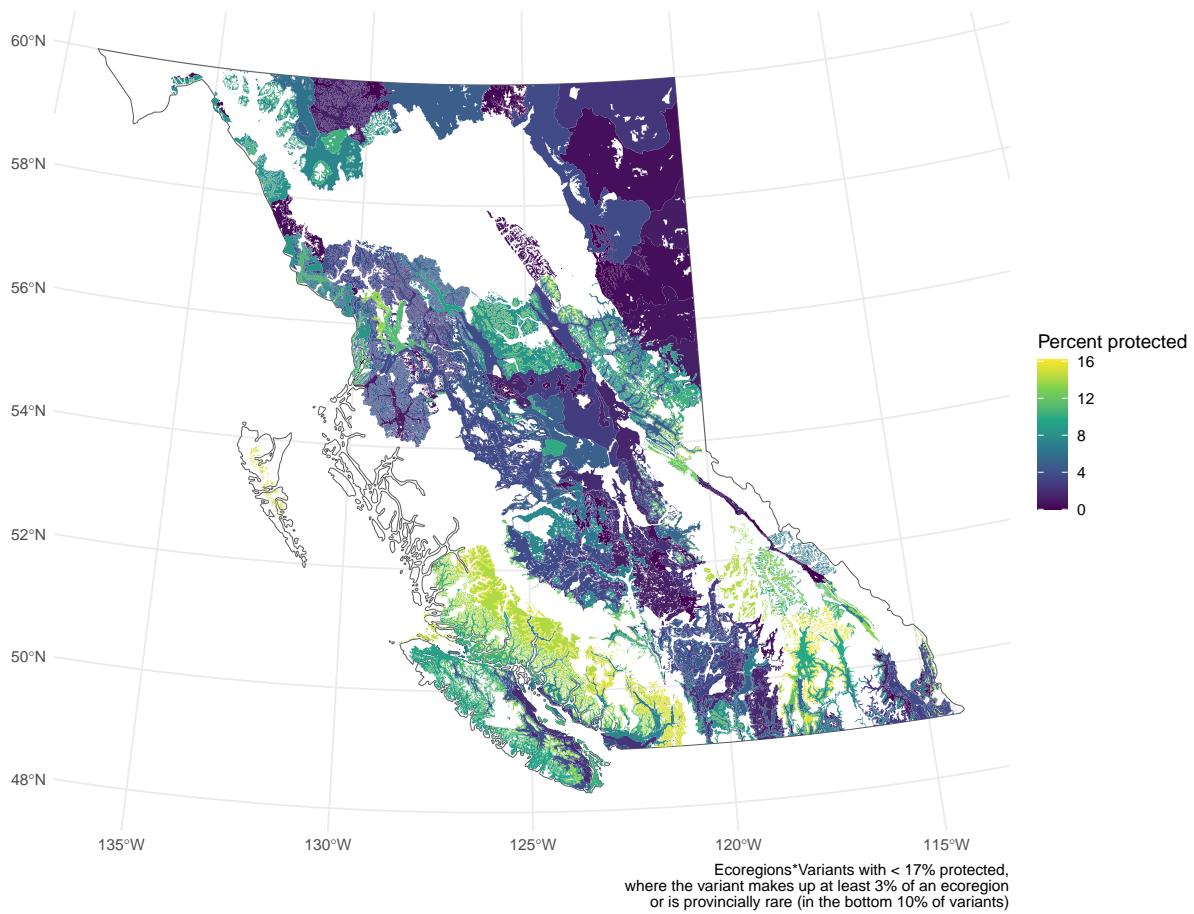
- What thresholds do we set for representation for different conservation scenarios?
- Even representation vs higher level of conservation for rare variants?

Due to intersection of variants with ecoregions we can create slivers of a variant within an ecoregion, leading to artificial rarity - need to balance local rarity/representation vs provincial.

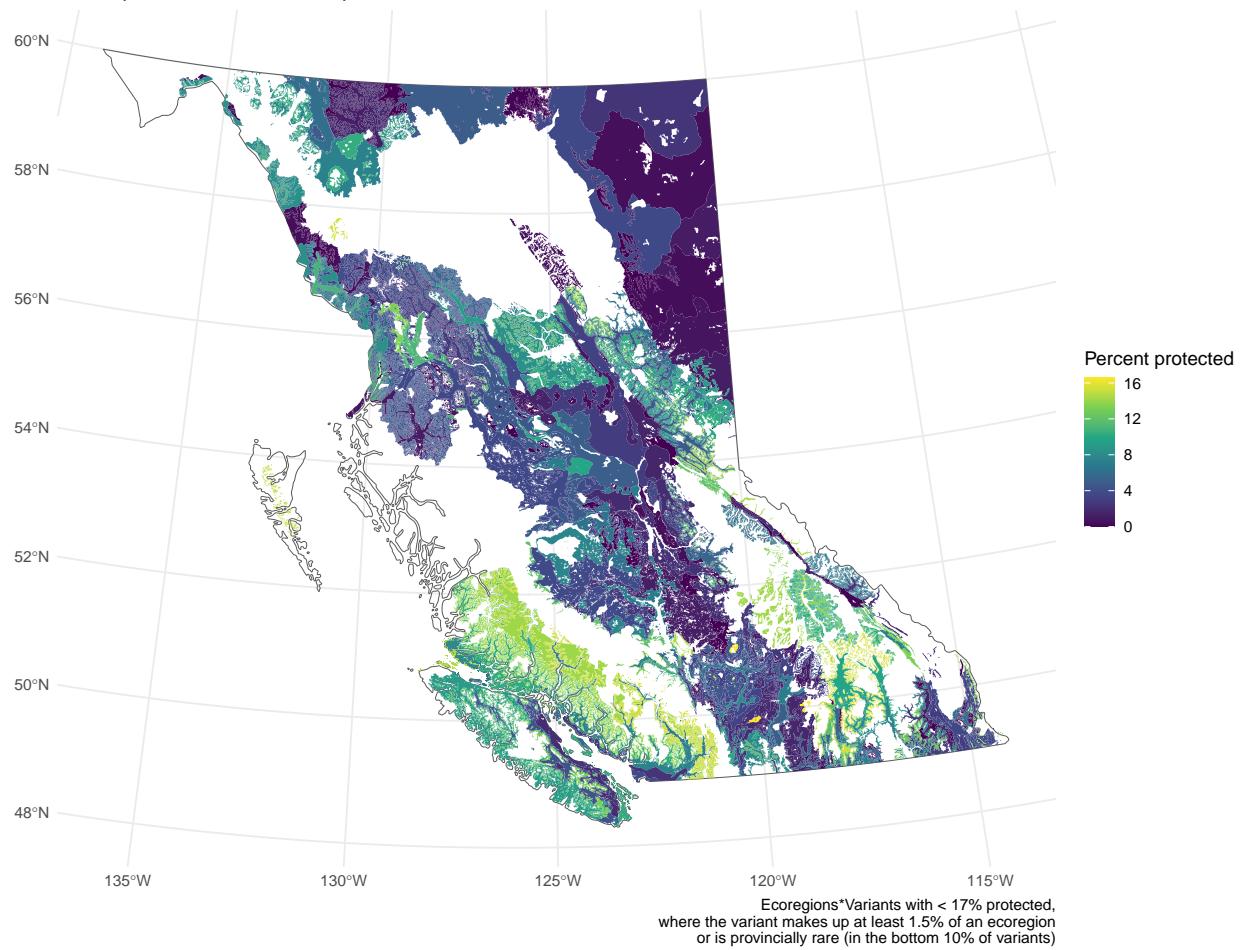
		Provincial Level		
		Rare & under-represented	Common & under-represented	Common & well represented
Ecoregion Level	Rare & under-represented	High potential for biodiversity objectives	Provincial-level potential for representation objectives – in other ecoregions (is likely a sliver for eco of interest)	Low priority – likely a sliver due to location of ecoregion line
	Common & under-represented	Ecoregion-level potential for Biodiversity & representation objectives	Provincial and ecoregion-level potential for representation objectives – Many options for locations	Ecoregion-level potential for representation objectives - not at provincial level
	Common & well represented	Provincial-level potential for biodiversity & representation objectives - not at ecoregion of interest	Provincial-level potential for representation objectives – not at ecoregion of interest	Not a priority

Figure 1: Combining ecoregion and provincial analysis

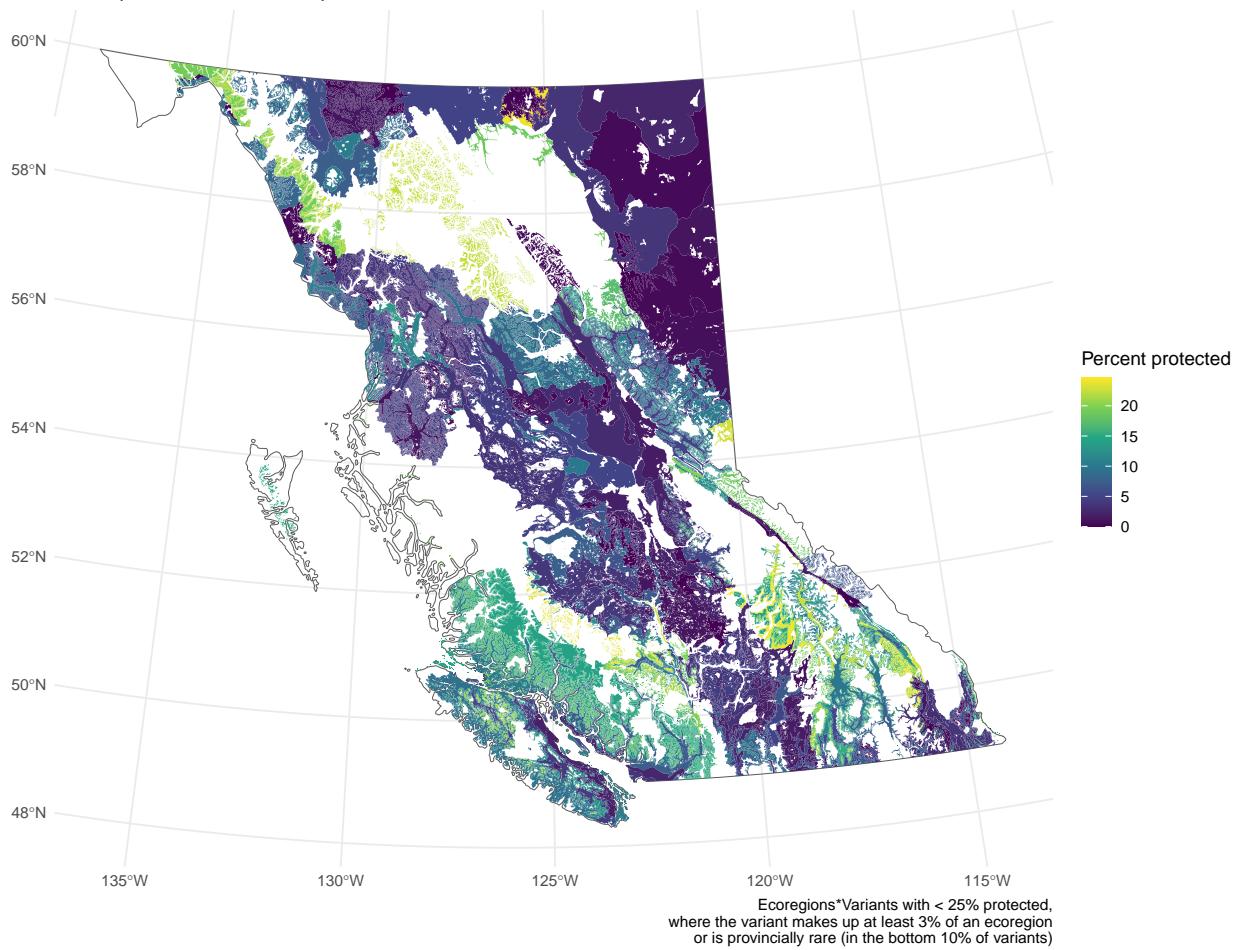
Underrepresented BEC variants x Ecoregions
in B.C. Parks and Protected Areas
PPAs & OECMs removed



<17% protected, >1.5% composition



<25% protected, >3% composition



<30% protected, >3% composition

