

Shorthead sculpin complex

C. confusus



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Distribution of Freshwater Fishes in Western Washington¹

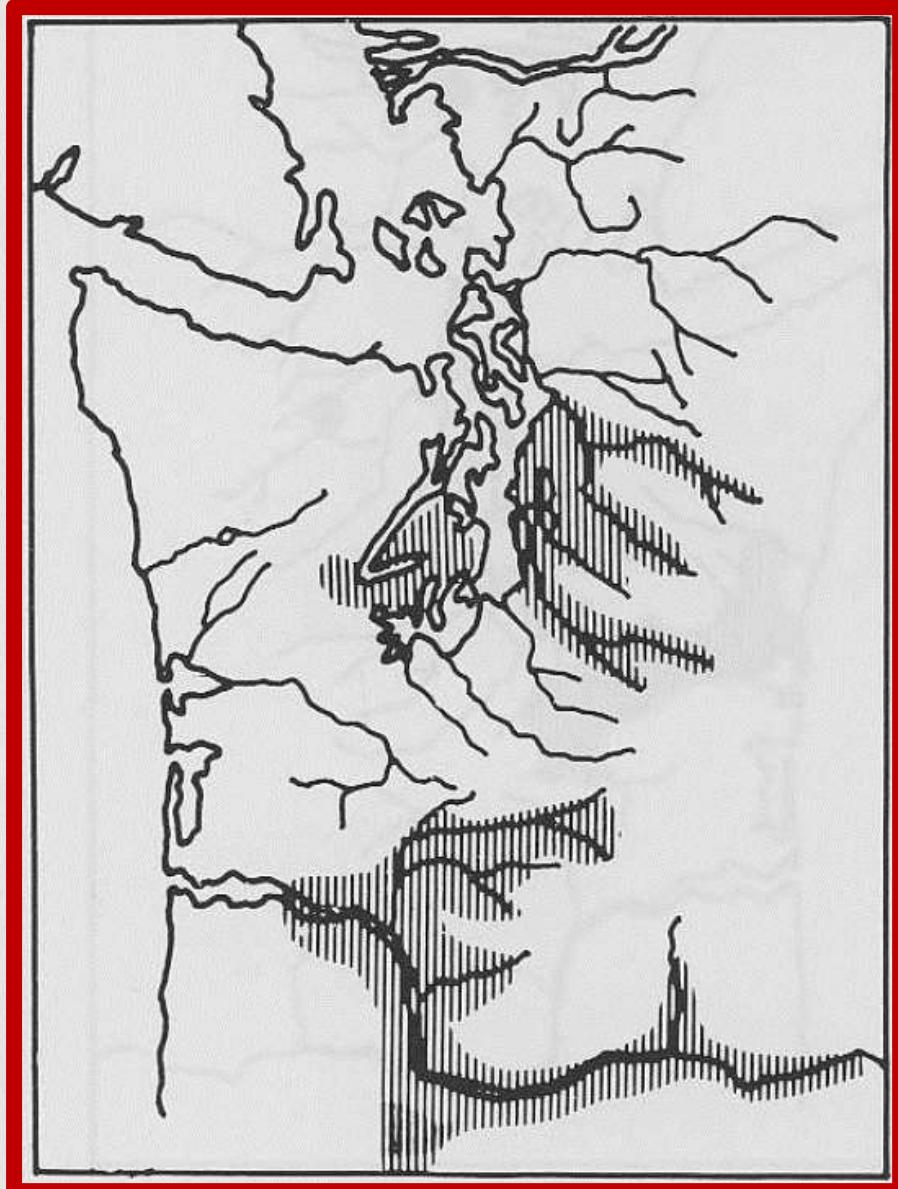
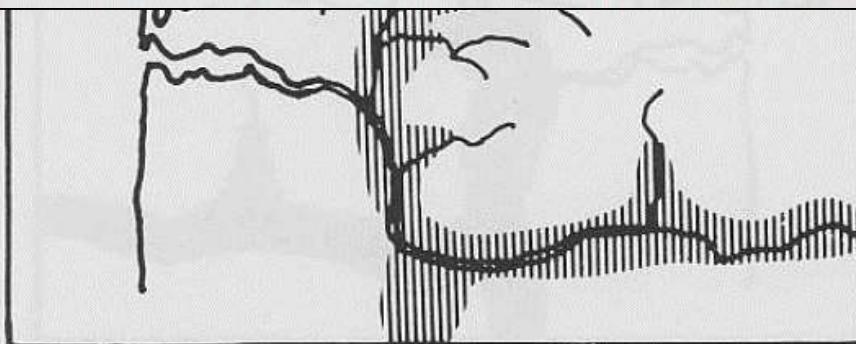
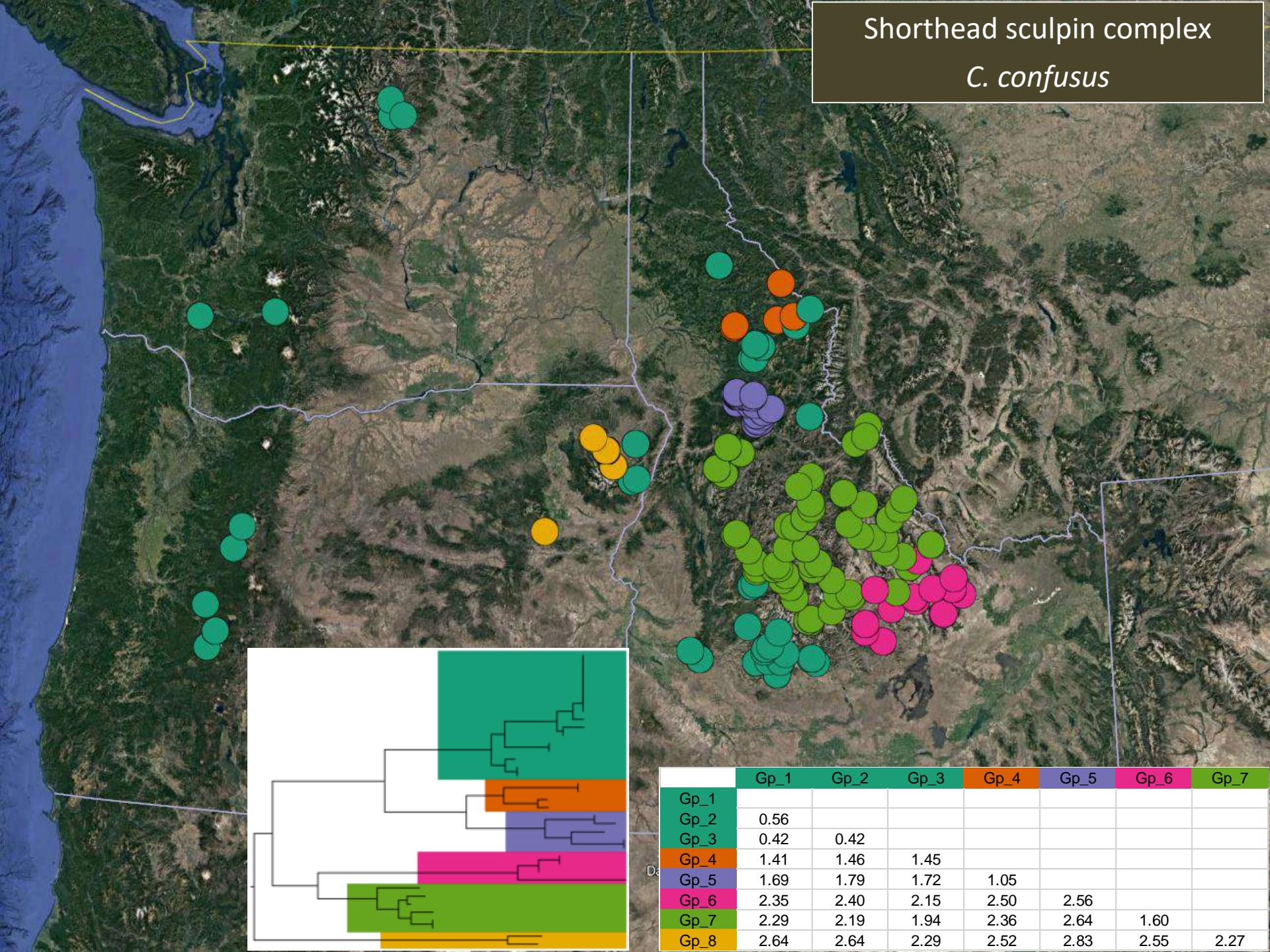


Figure 8. Left. Western Washington distribution of the leopard dace, *R. falcatus*.

Figure 9. Right. Western Washington distribution of the shorthead sculpin, *C. confusus*.

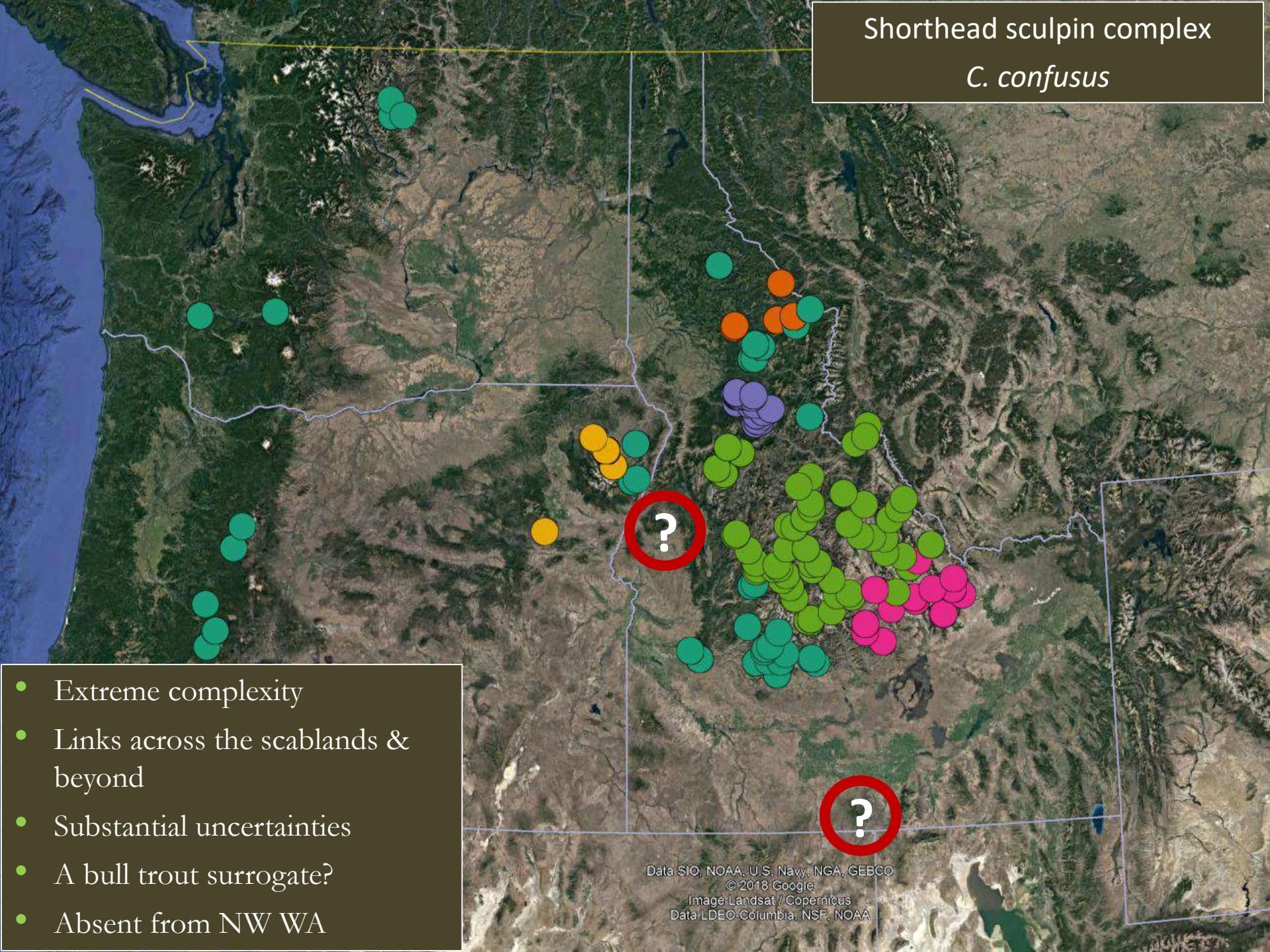
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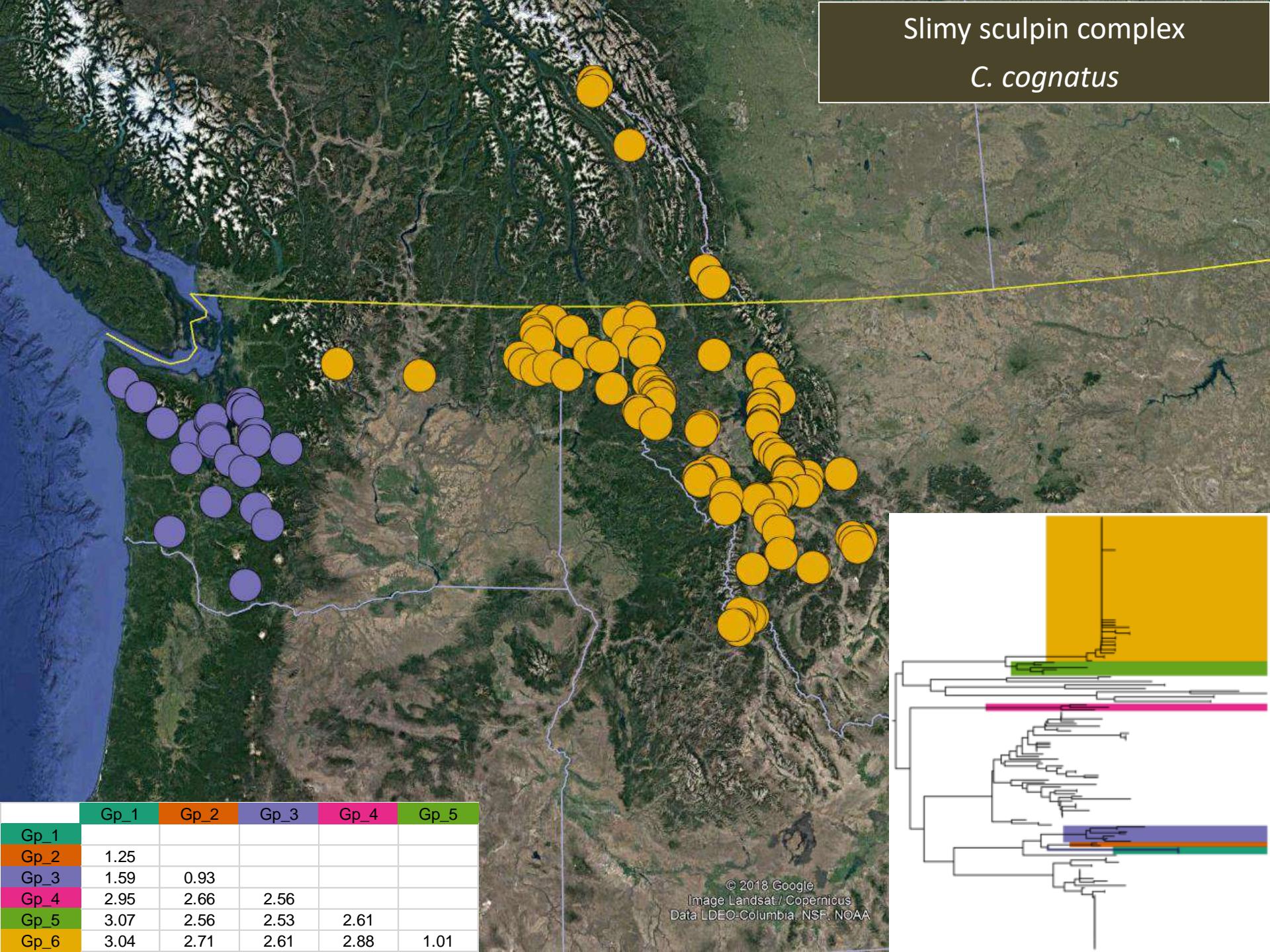
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Data SIO, NOAA, U.S. Navy, NGA, GEBCO
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Image Landsat / Copernicus
Data LDEO-Columbia, NSF, NOAA

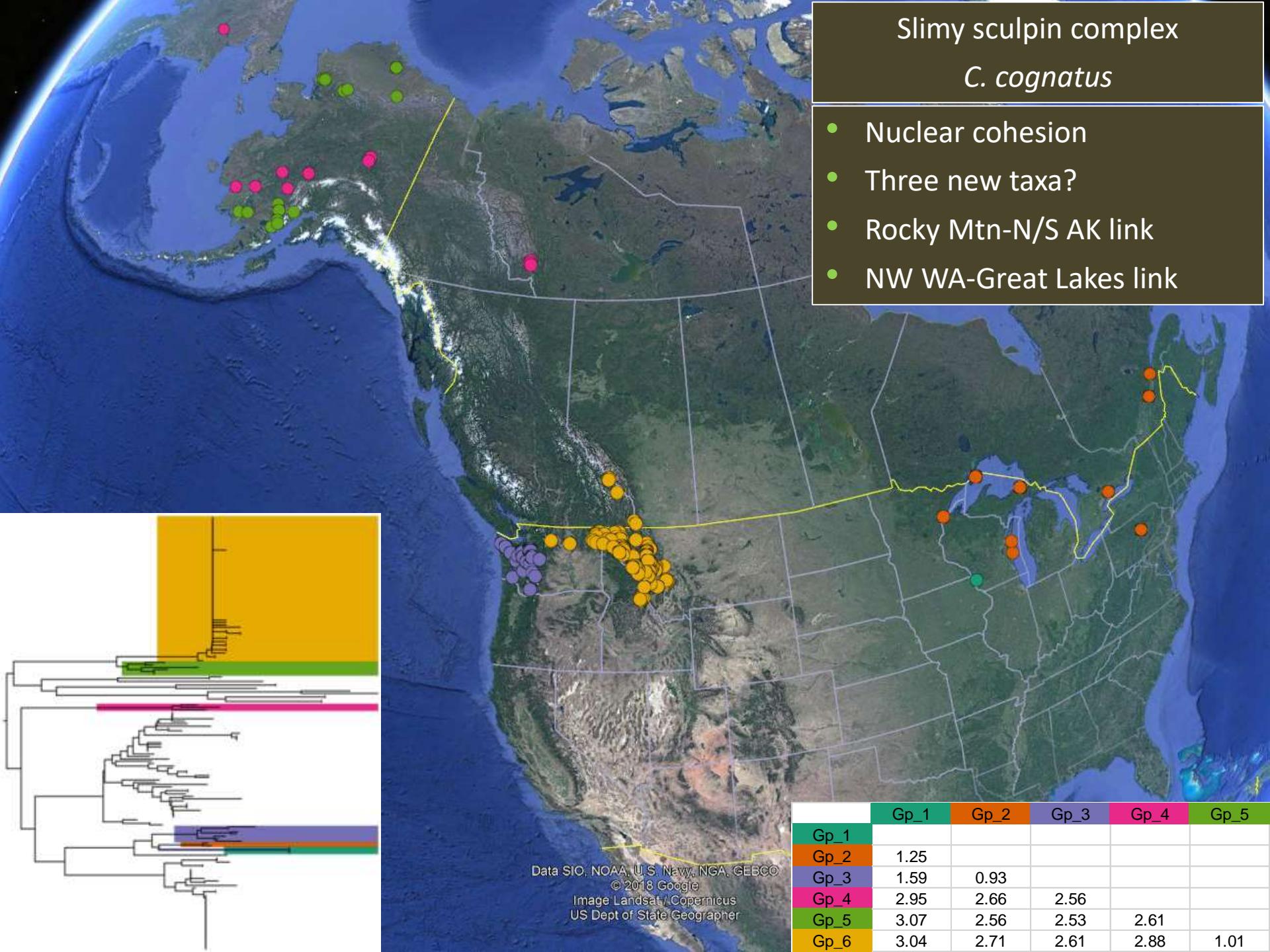
Slimy sculpin complex
C. cognatus



Slimy sculpin complex

C. cognatus

- Nuclear cohesion
- Three new taxa?
- Rocky Mtn-N/S AK link
- NW WA-Great Lakes link



	Gp_1	Gp_2	Gp_3	Gp_4	Gp_5
Gp_1					
Gp_2	1.25				
Gp_3	1.59	0.93			
Gp_4	2.95	2.66	2.56		
Gp_5	3.07	2.56	2.53	2.61	
Gp_6	3.04	2.71	2.61	2.88	1.01

Briefly...

- Additional results
 - *C. gulosus* is not found in WA
 - *C. beldingii* isn't either...but *C. tubulatus* is
 - *C. bendirei* is real...just not here
- Biodiversity hotspots & “gray” zones
 - The Blues
 - E. Cascades
 - Columbia Gorge tributaries
(Klickitat R. downstream)
- Corroboration from comparative phylogeography



Young et al. (2018). The phylogeography of westslope cutthroat trout. Pages 261-301 in Trotter P, Bisson P, Schultz L, Roper B (editors). Cutthroat Trout: Evolutionary Biology and Taxonomy. Special Publication 36, American Fisheries Society, Bethesda, Maryland.

