Determining amphibian presence in constructed stormwater ponds throughout Gresham, Oregon using community science

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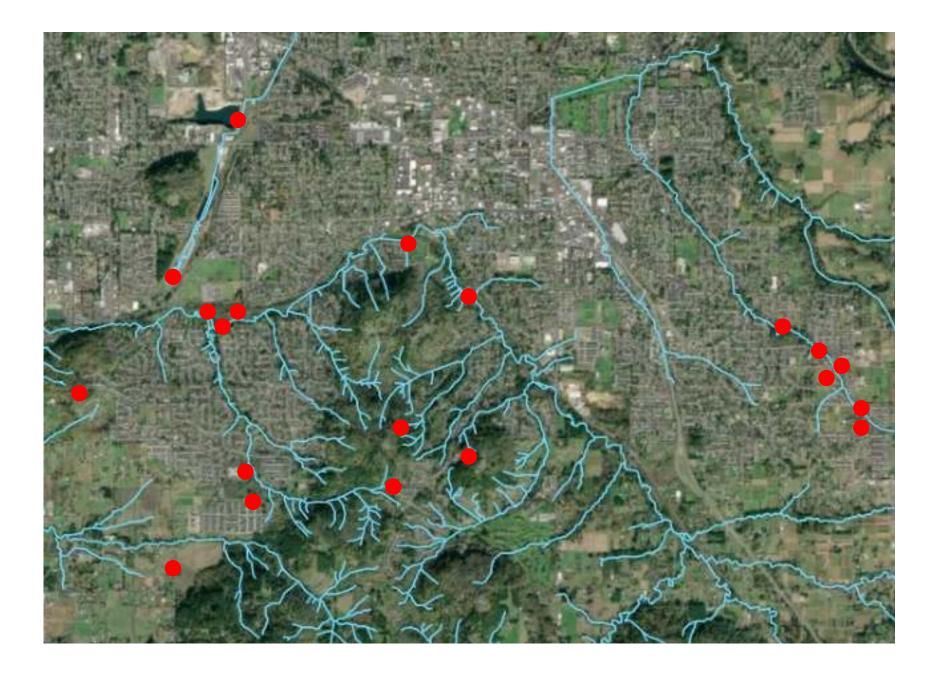
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Species of Interest





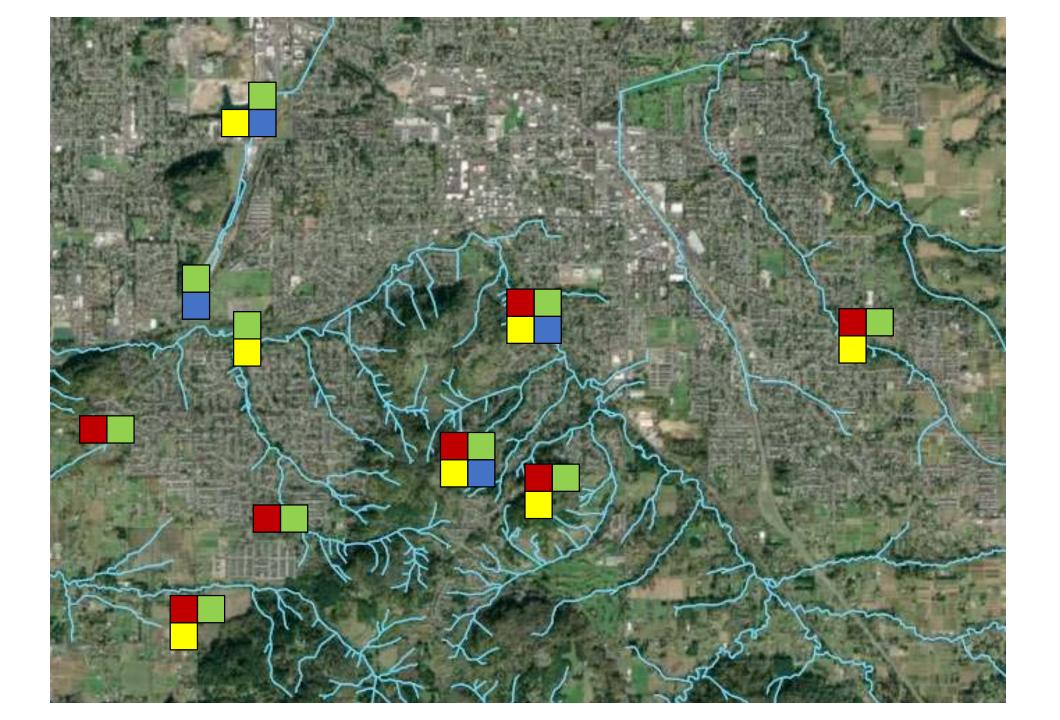
Pond	RAAU	PSRE	AMMA	AMGR
Border Way	Х	Х	Х	
Wonderview	Х	Х		
Powell Loop		Х		
Gresham Woods	Х	Х		
Dowsett Ditch		Х		
Fairview		Х		
Kelly Creek	Х	Х		

12 Year Changes

- Semi-rare frog species persisting in constructed stormwater ponds
- Finding more species with consistent egg mass surveys
- Constructed stormwater ponds are attractive habitat for amphibians

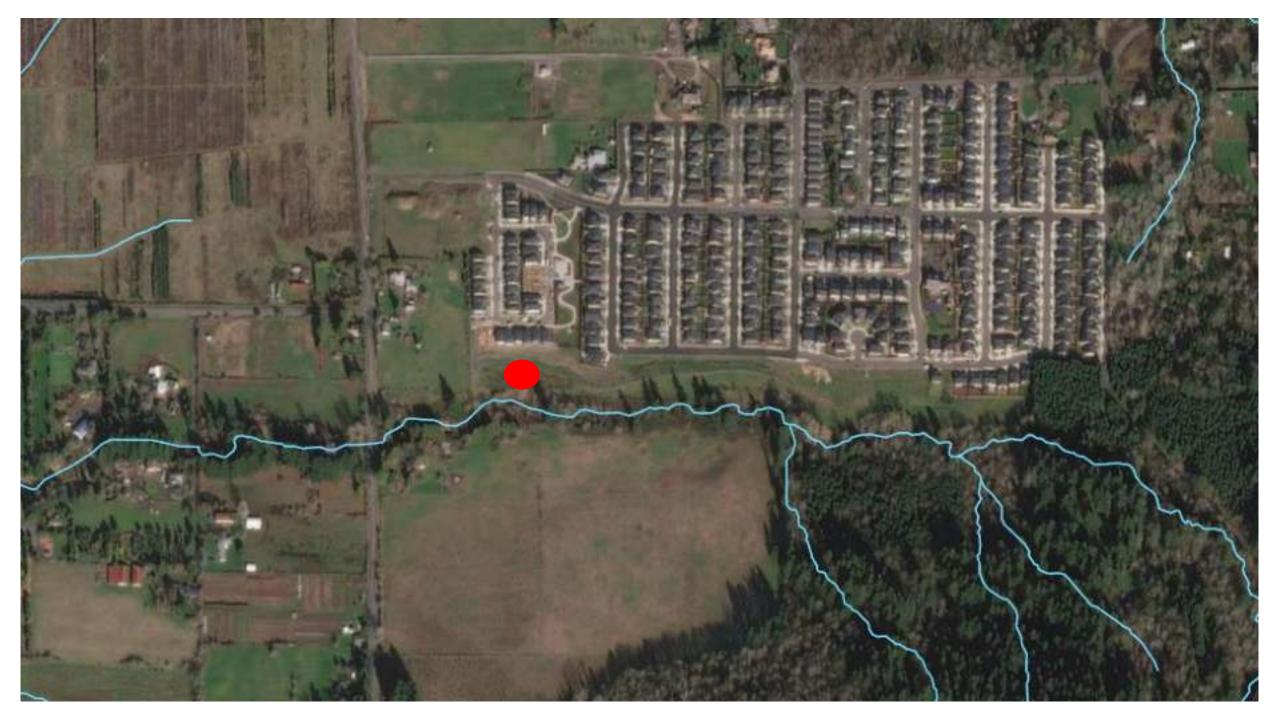
Pond	RAAU	PSRE	AMMA	AMGR
Border Way	X	Х	X	
Wonderview	X	Х		
Powell Loop		Х		X
Gresham Woods	X	Х	X	
Dowsett Ditch	X	Х	X	X
Fairview		Х	X	Х
Kelly Creek	X	Х	X	

Red – 2008 only Green – 2020 only Black – both

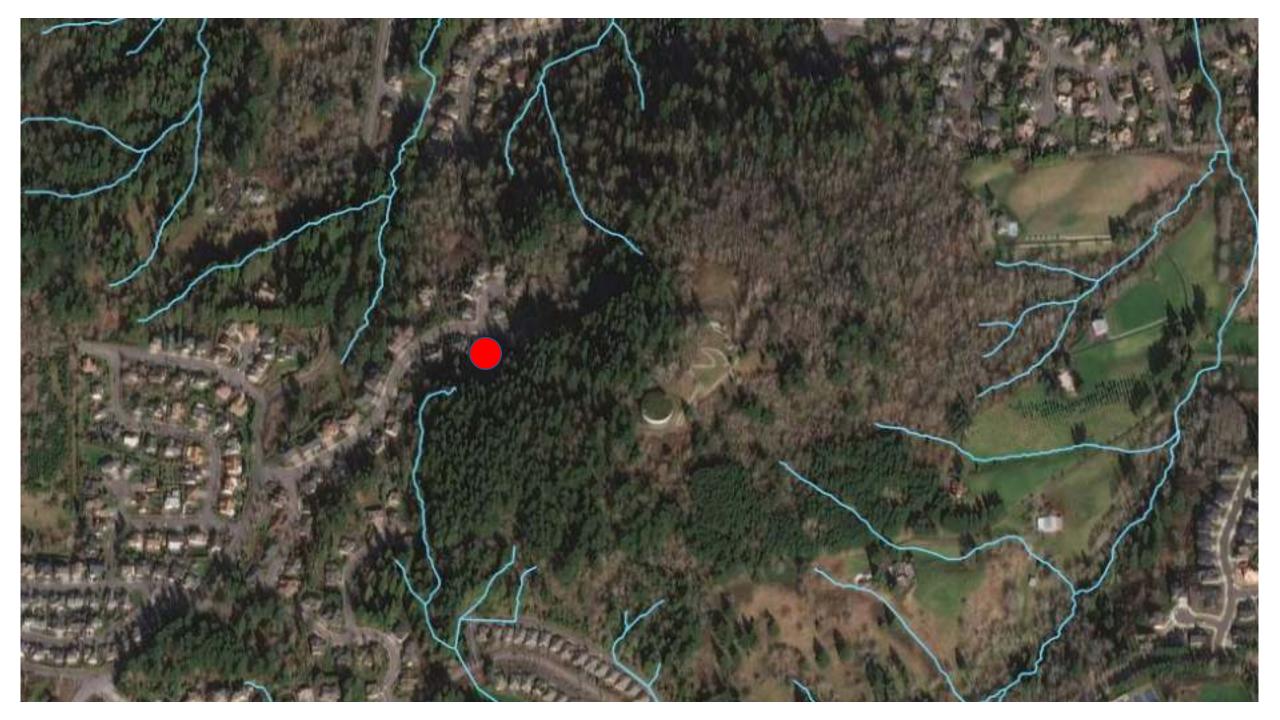


New Ponds and New Surveys

Pond	RAAU	PSRE	AMMA	AMGR
Brookside (5yrs old)	X	X	X	
Gabbert Butte (found 2yrs ago)	Χ	X	Χ	X
Hogan Butte (3yrs old)	X	Х	Χ	











More questions...

- Why aren't we finding the same species in the same ponds 12 years later?
- Are constructed stormwater ponds providing breeding habitat out of necessity?
- Are we constructing stormwater ponds that have more attractive vegetation, connectivity to upland habitat, and depth than naturally occurring ponds?

Thank you!

Laura Guderyahn, City of Portland Katie Holzer, City of Gresham Natural Resources team at the City of Gresham All of you!