

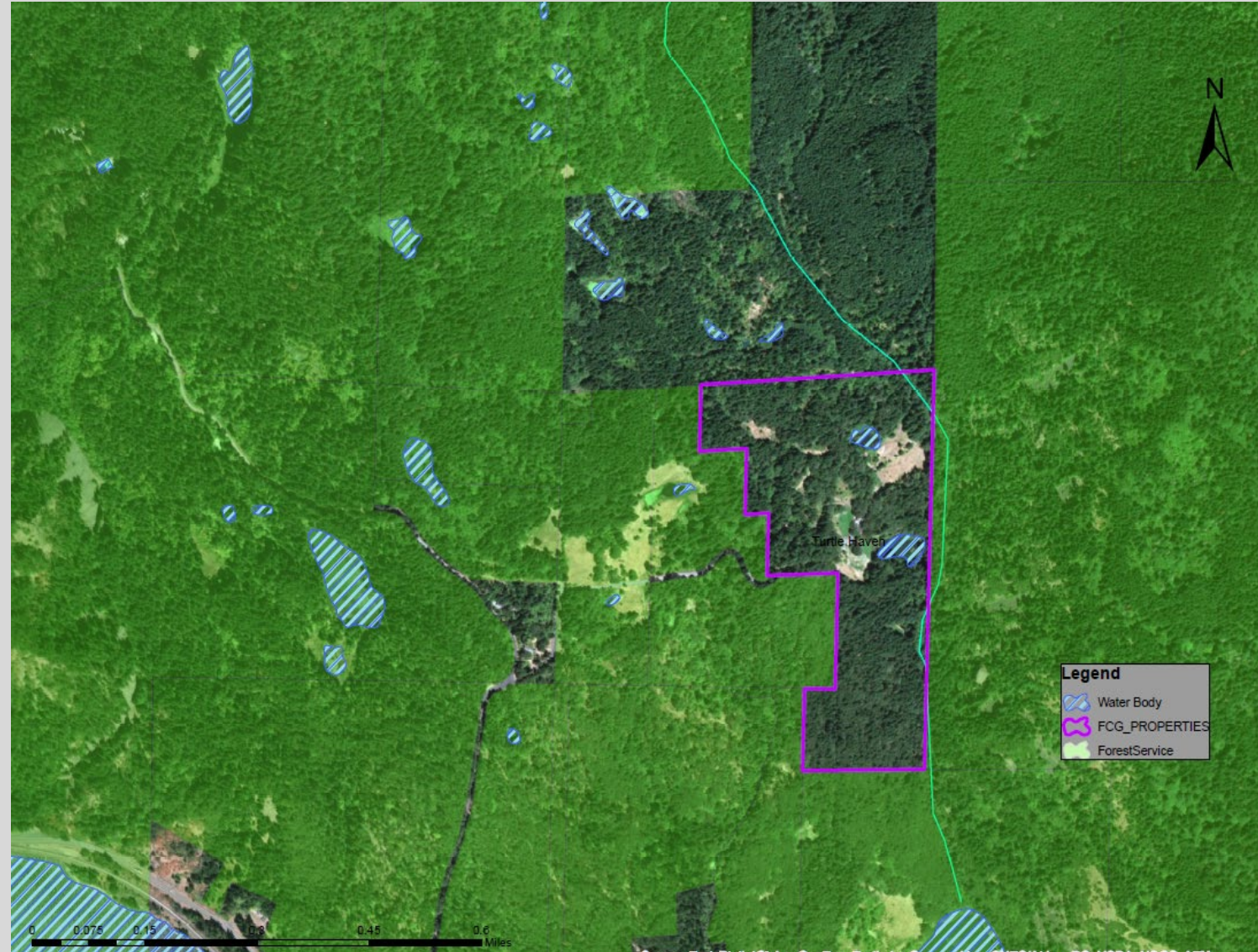
Controlling Bullfrogs and Blackberries

Improving Northwestern
Pond Turtle Habitat



Project Area

- Friends and FS partner in bullfrog management
- Located in CRGNSA in WA
- Friends acquired
 - 64 acres in 2015
 - 120 acres in 2024
- Surrounded by USFS
- 20 ponds in a square mile
- Northwestern Pond Turtles



Northwestern Pond Turtle

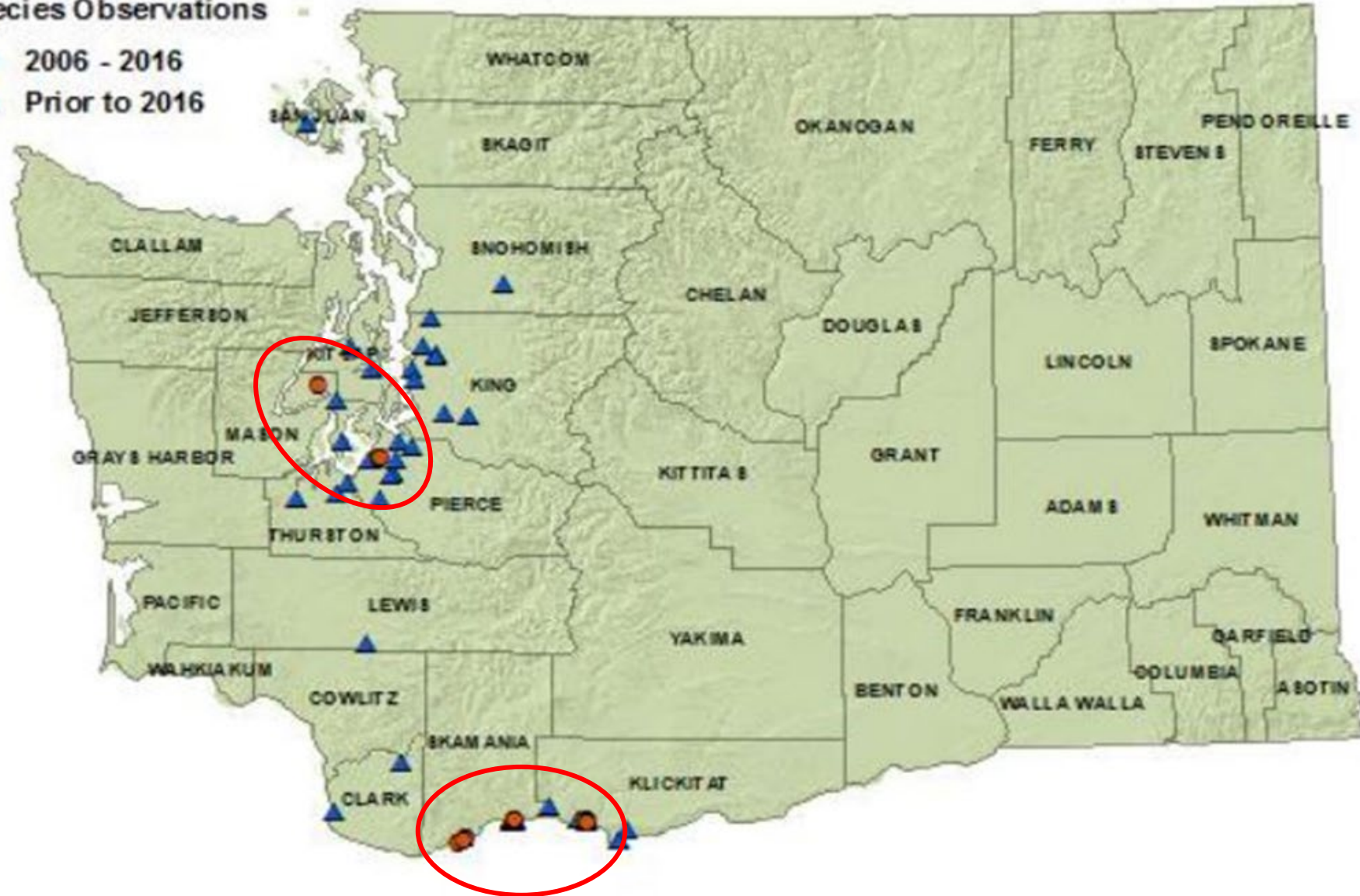
Actinemys marmorata



Western Pond Turtle - Known Distribution

Species Observations

- 2006 - 2016
- ▲ Prior to 2016



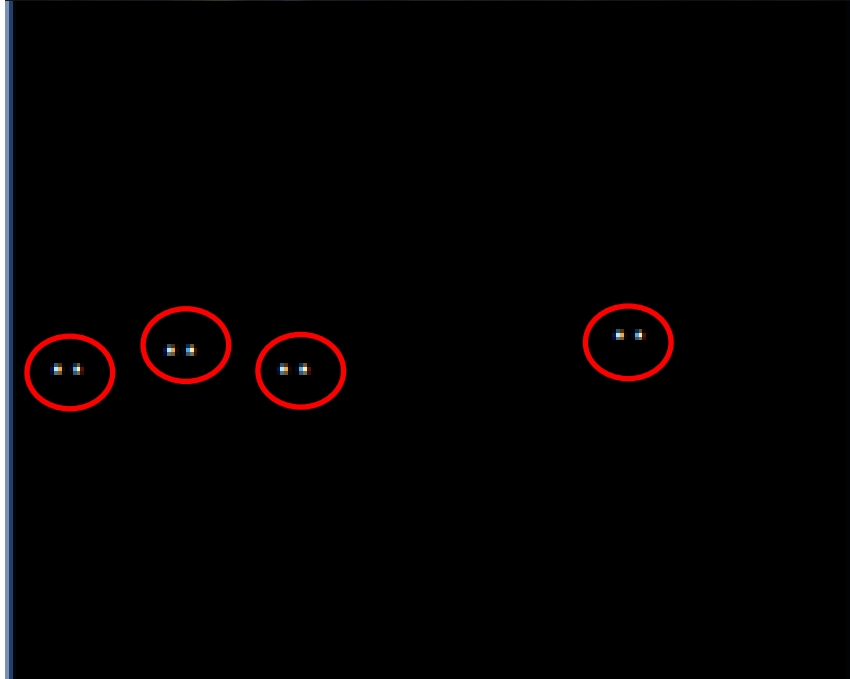
American Bullfrog

Lithobates catesbeianus





Eyeshine



Adult Bullfrog Control

Gigging



Hand-catching



Egg Mass Removal

1 female spawns < 40,000 eggs⁽⁵⁾



Total Frog Removals:

Year	Egg Mass	Tadpole	Meta-morph	Juvenile	Sub-adult	Adult	Totals
2018	10	7	263	1512	60	178	2020
2019	29	1	465	651	56	81	1254
2020	35	1	597	322	76	106	1102
2021	39	241	490	561	43	79	1414
2022	43	199	752	372	18	63	1404
2023	18	136	692	393	55	74	1350
2024	12	819	1108	1899	138	153	4117
TOTALS	186	1404	4367	5710	446	734	12661

Blackberry Control



Blackberry Strategy

- Mow - August
- Spray - late-Sept to early- Nov
- Hand-dig - any time of year
- Repeat - 2 to 3 years pre planting

Avoiding March - July with heavy equipment during turtle movement





FRIENDS OF THE
COLUMBIA
GORGE



Partnership

