



H202-1
2015
OLYMPIC NATIONAL PARK
WASHINGTON

The Olympic Fisher Project

Olympic National Park, Washington

Presented by Maia Murphy-Williams



Natural History



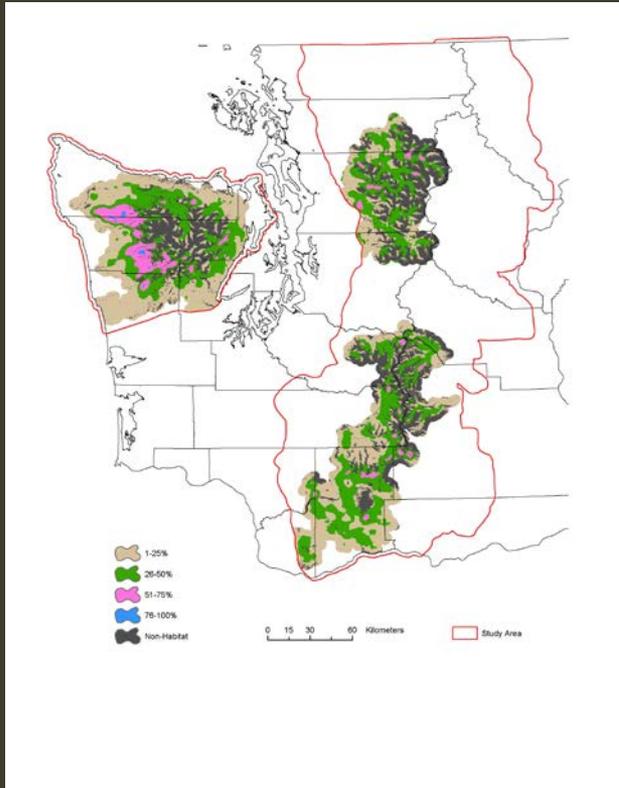
- Native to Washington State, including ONP
- Extirpated in early 1900's due to over trapping and carnivore poisoning
- Closest relative- wolverine
- Prey generalists- don't eat fish!
- Den in tree cavities
- Maximum life expectancy: 10 years
- Large home range requirements
- k selected species-low reproductive potential



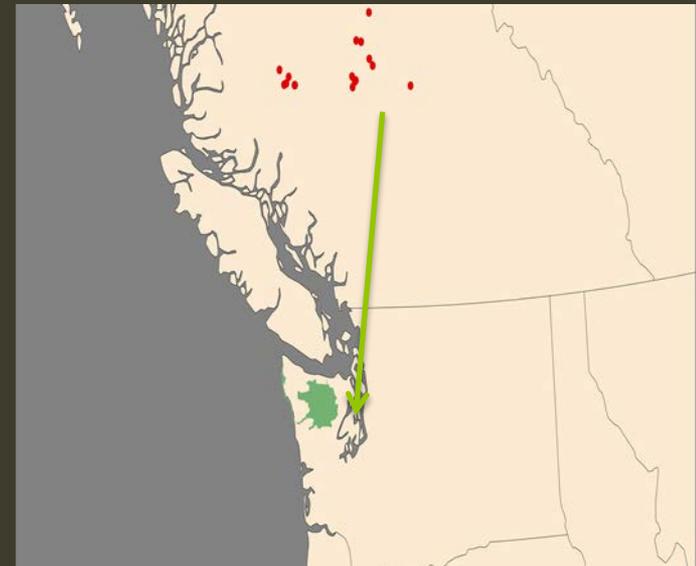
The Olympic Fisher Project

Project Goal: establish a self sustaining fisher population in Washington as genetically similar as possible to the original population

Phase I: reintroduction

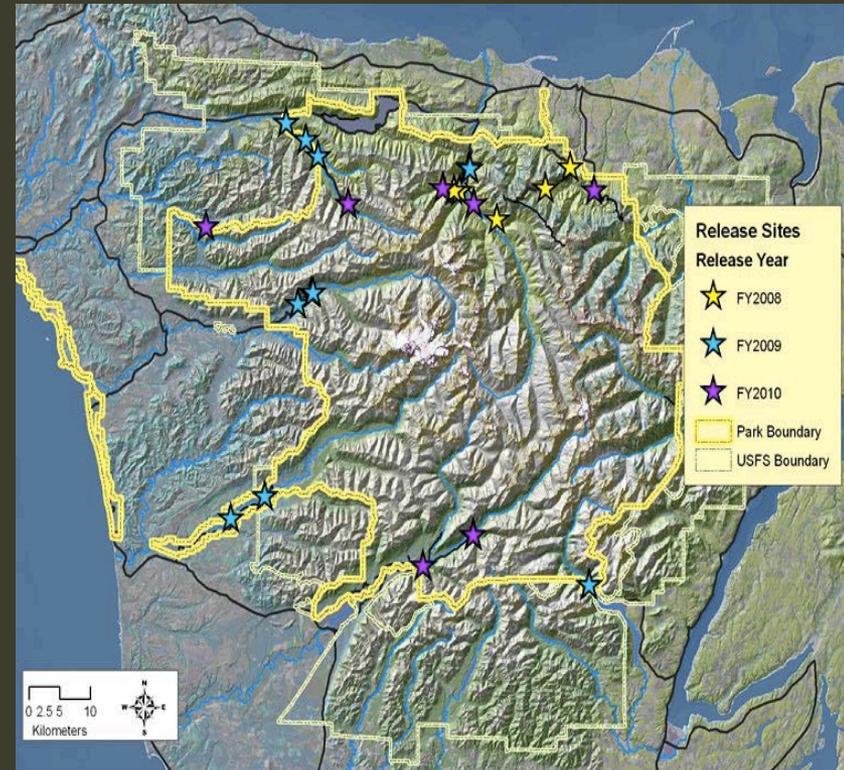


- Suitable habitat identified
- 90 individuals captured in British Columbia for relocation in ONP
- Genetic diversity in founder population

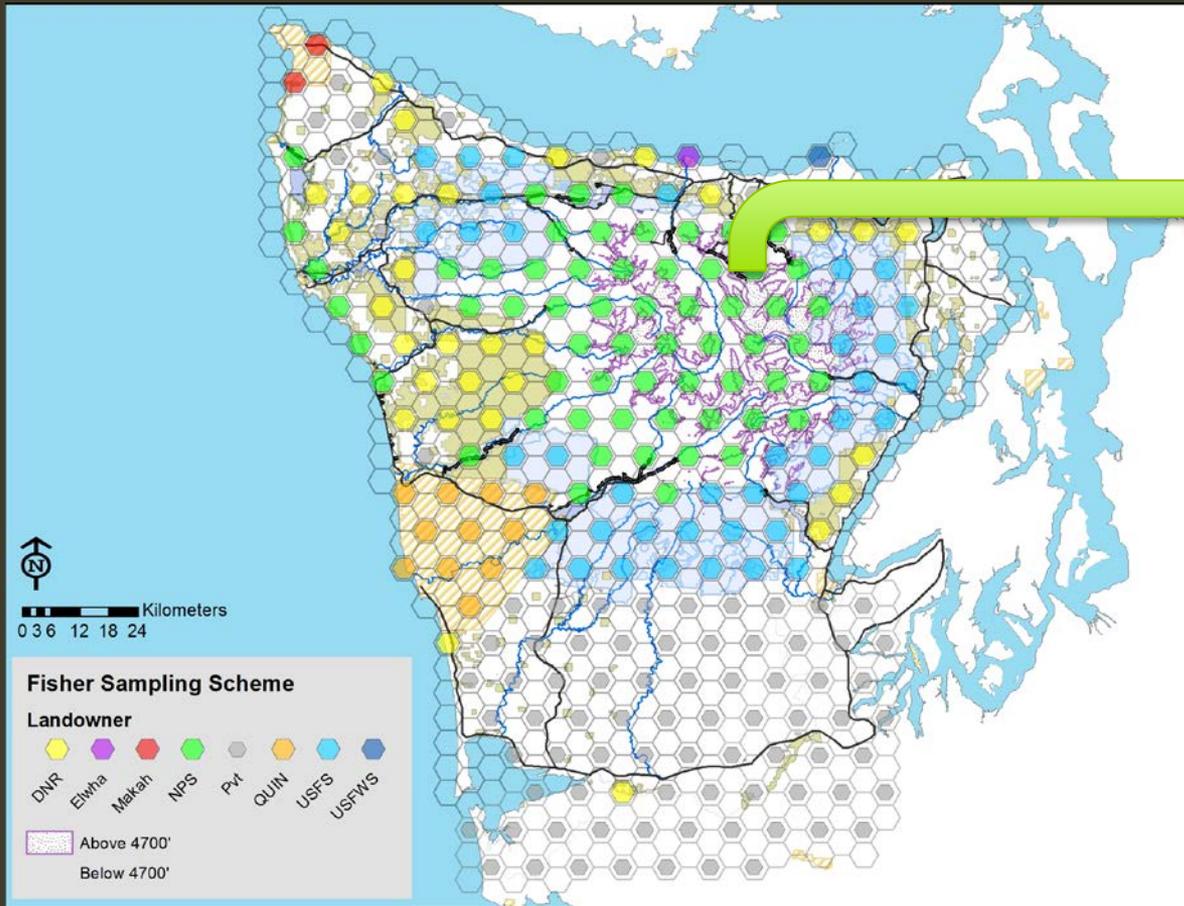


Fisher release in Olympic National Park

- Community involvement
- Individuals radio collared
- Movements tracked by radio telemetry



Phase II: Monitoring the population



- Measuring occupancy
- Non-invasive monitoring techniques
- Multiple land owners
- Approx. 700 hexagons, 3 stations per hex

Station Set-up

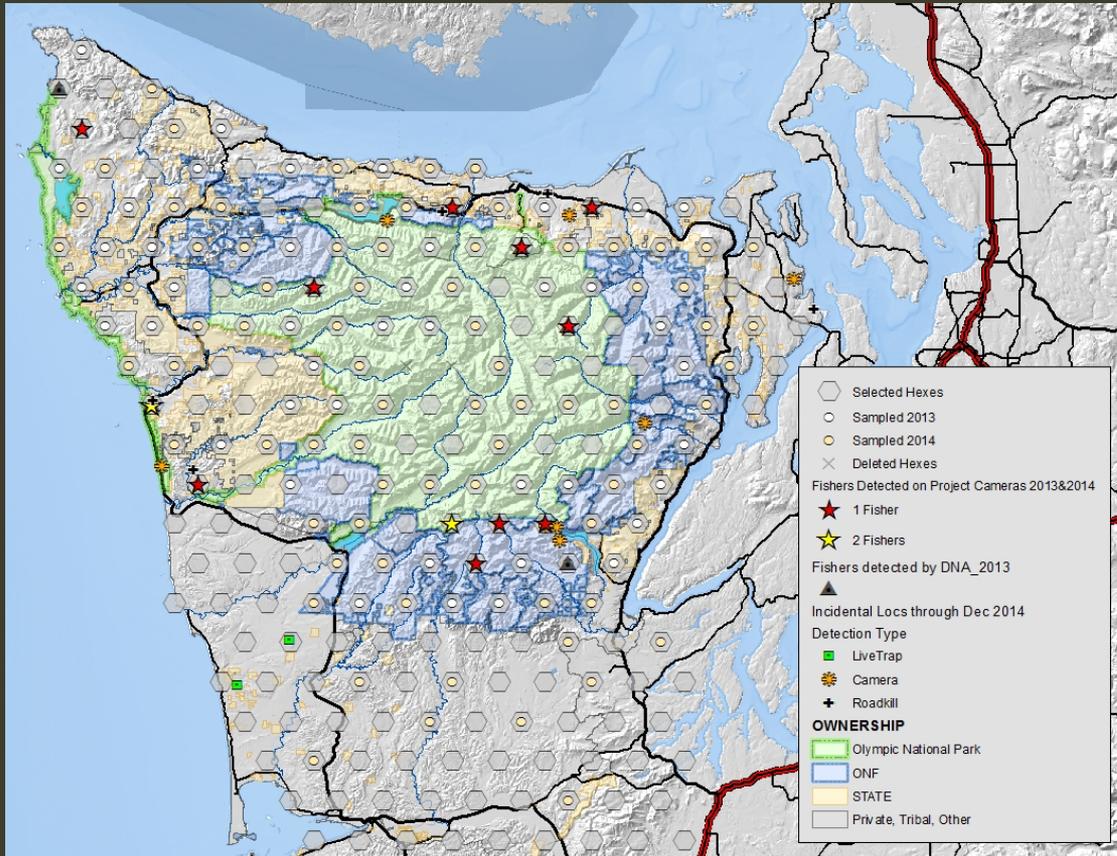


Wildlife camera, bait tree, cubby box with hair snares for DNA collection, fisher bait



Results

- Fisher occupancy map: 2013 & 2014
- 2015 data not yet available



Wildlife

Cougar, Black bear, Bobcat, Elk,
Deer , Coyote, screech owls, Pine
marten, Squirrel species, Bird
species , Homo sapiens!







Bushnell M OFP-655 27.75In → 50F ○ 06-03-2015 20:47:31



Bushnell M OFP-488 26.65In → 78F ○ 06-29-2015 13:11:59



Bushnell M OFP288 64 F 17 °C ○ 05-27-2015 15:29:11



Bushnell M OFP-700-3700.66† -k43F ● 06-21-2015 09:34:28



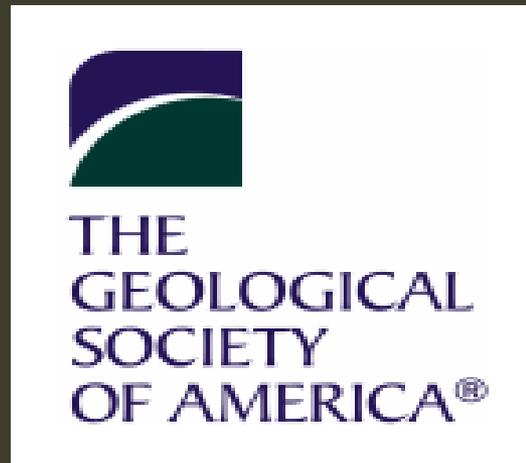
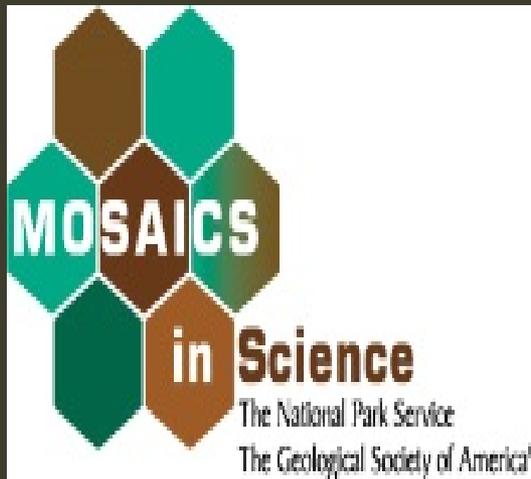
Bushnell M OFP-048 62 F (16 C.) 06-05-2015 12:38:49



Bushnell M OFP-780 27.131n→ 64F ○ 05-30-2015 14:46:36

Acknowledgements

A big thank you to the Mosaics in Science Program, the National Parks Service, the Geology Society of America and the NRM staff at Olympic National Park!



Questions?



Bushnell M OFP-228 29.75In → 66F ● 06-17-2015 14:30:49