

Monitoring Sierra Nevada red fox in Oregon

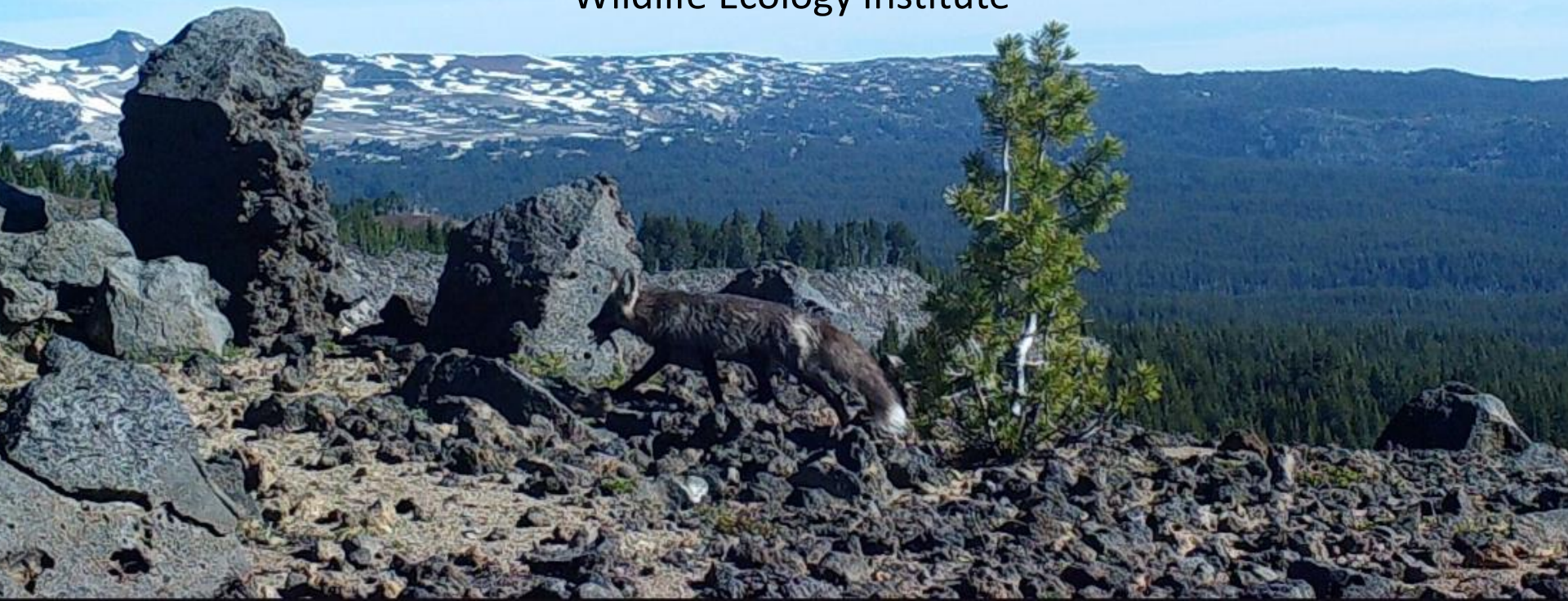
WSFR National Conference

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HIGH DESERT MUSEUM
WILDLIFE *and* LIVING HISTORY



WILDLIFE ECOLOGY INSTITUTE



Montane red fox characteristics



Photo: ODFW

Cross



Photo: John Lowe, USFS

Red



Photo: Jamie Bowles

Silver/black

Montane foxes

Males: 4.2 kg (9.3 lbs)

Females: 3.3 kg (7.3 lbs)

Other red fox

Males: 5 kg (11 lbs)

Females: 4.3 kg (9.5 lbs)



Fur-covered paws

3 montane red fox subspecies

Cascade red fox

Rocky Mountain red fox

Sierra Nevada red fox

Sierra Nevada red fox

CONSERVE

SIERRA NEVADA RED FOX



OVERVIEW



KEY CONSERVATION ISSUES



ECOREGIONS



CONSERVATION OPPORTUNITY AREAS



STRATEGY HABITATS



STRATEGY SPECIES

AMPHIBIANS

BIRDS

MAMMALS

REPTILES



the OREGON CONSERVATION STRATEGY



OVERVIEW

Species Common Name

Sierra Nevada Red Fox

Species Scientific Name

Vulpes vulpes necator

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OVERVIEW

ECOREGIONS

SPECIAL NEEDS

LIMITING FACTORS

DATA GAPS

CONSERVATION ACTIONS

KEY REFERENCE OR PLAN

STRATEGY SPOTLIGHT: FIRST SIERRA NEVADA RED FOX CAPTURED, RADIO-COLLARED IN OREGON

Conservation Strategy species: species with greatest conservation need in the state, with an unknown and/or likely small population size (Oregon Conservation Strategy 2016).



2016-2017



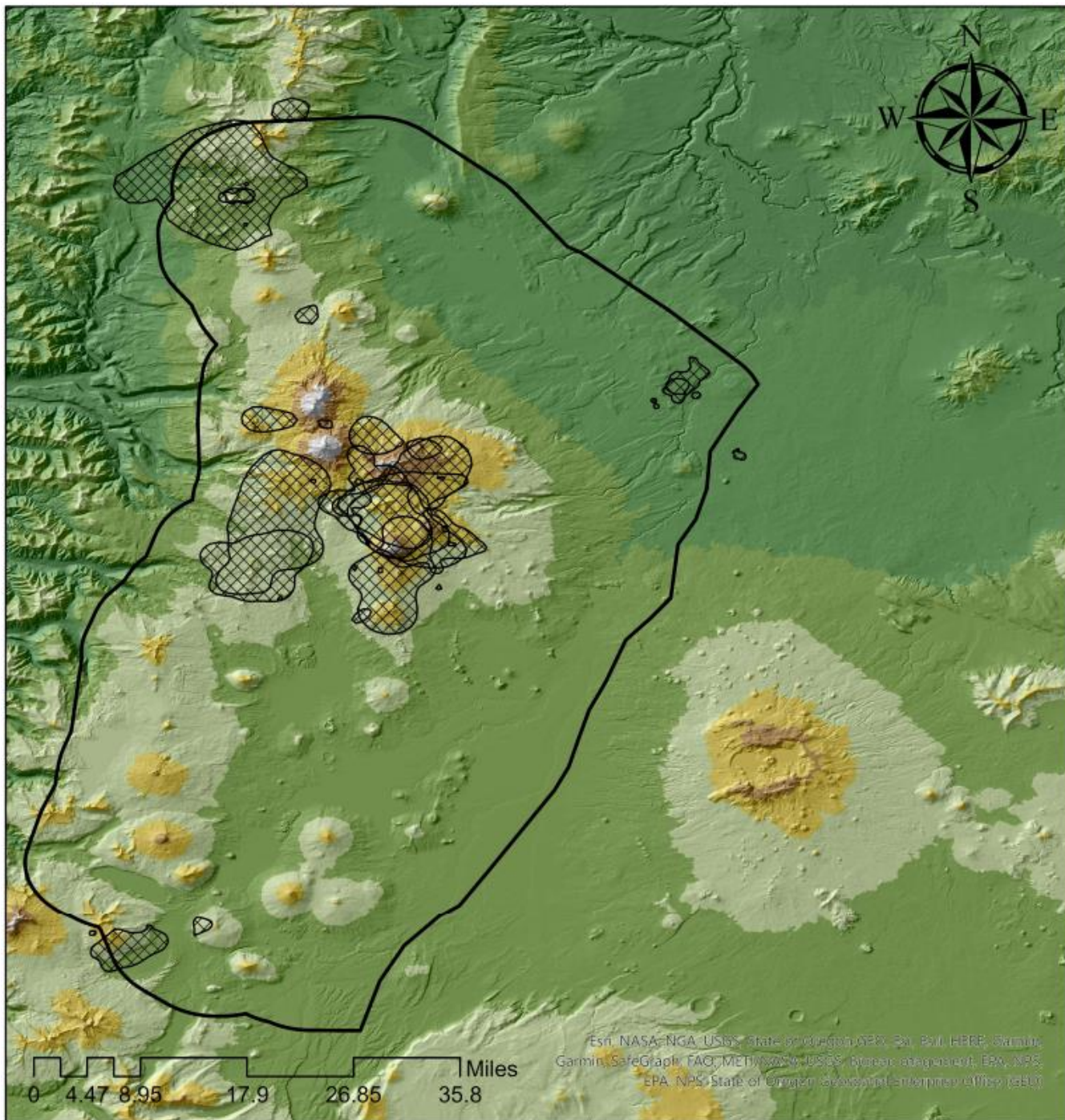
2017-2018



2018-2019



2019-2020



Project Summary

17 individual foxes captured



5,796 trap nights

7,047 collar data points









Average SNRF home range size 155 sq. km (60 sq. mi.)

Average all red fox home range size 126 sq. km (49 sq. mi.)

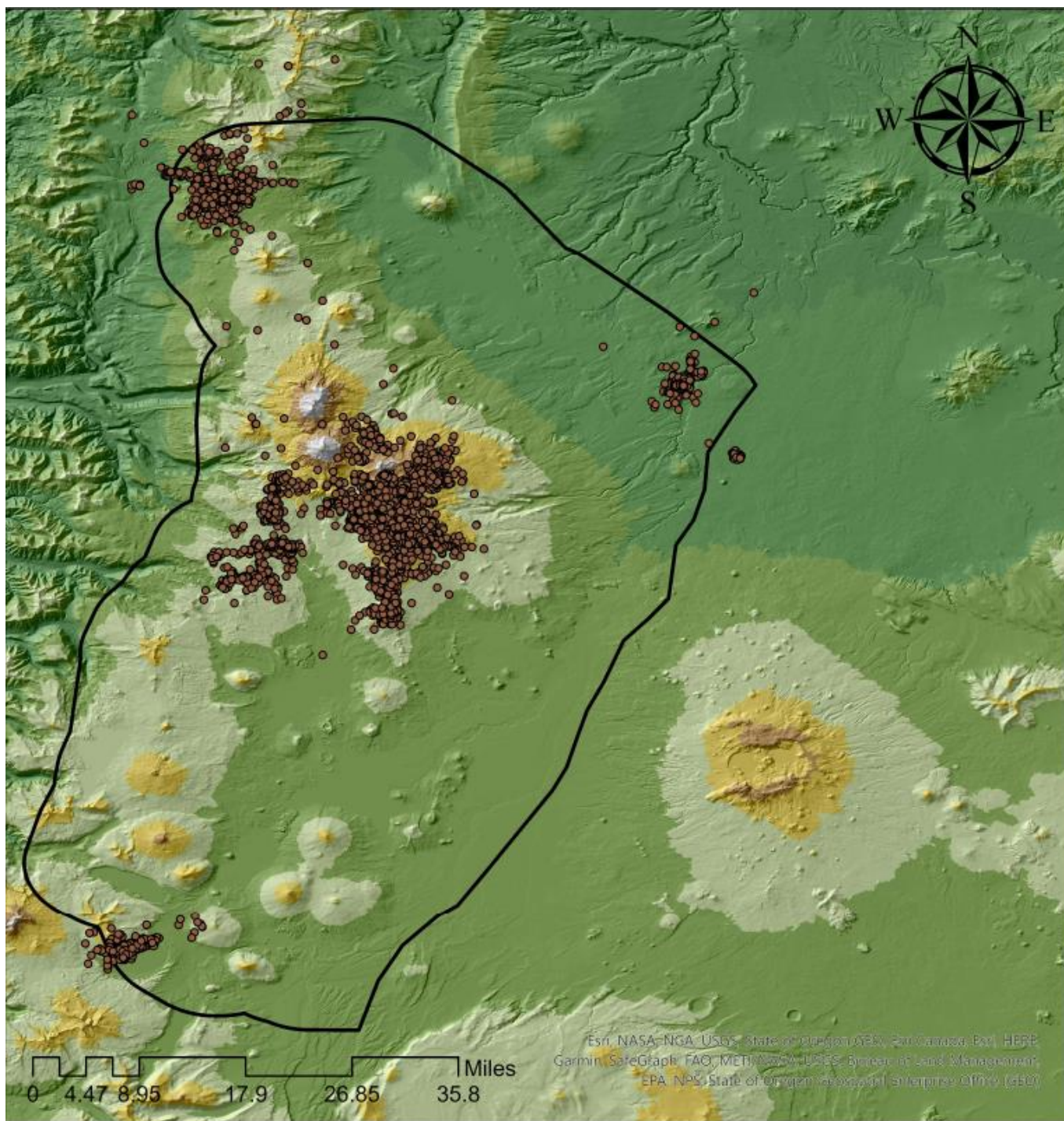
Average elevation 6,327 feet

-  SNRF project boundary
-  SNRF_All_202011_KDE_95

Elevation feet

- Value
-  ≤ 1000
 -  ≤ 3000
 -  ≤ 4000
 -  ≤ 5000
 -  ≤ 6000
 -  ≤ 7000
 -  ≤ 8000
 -  ≤ 12000

Collars transmitted between
2 and 11 consecutive months



SNRF project boundary

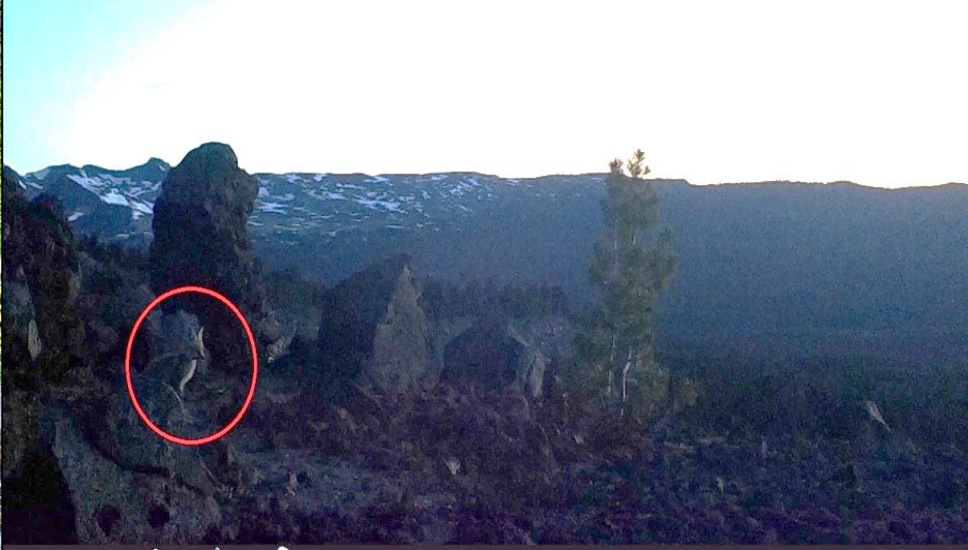
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Esri, NASA, NGA, USGS, State of Oregon, ARS, San Jose, Esri, HERE,
Garmin, SafeGraph, FAO, METI, NOAA, IGN, Swire, Boreas, Bing, Swire,
EPA, NPS, State of Oregon, Esri, DeLorme, StreetView, IGN, Esri, HERE,
Garmin, Swire

0 4.47 8.95 17.9 26.85 35.8 Miles





52°F 07/15/2019 10:23AM CAMERA2



Questions?