



Fire History on the Northern Kenai Peninsula

~2010 - Mid to late seral forests across GMUs 15A/B

Boreal Forest

Black Spruce Forest

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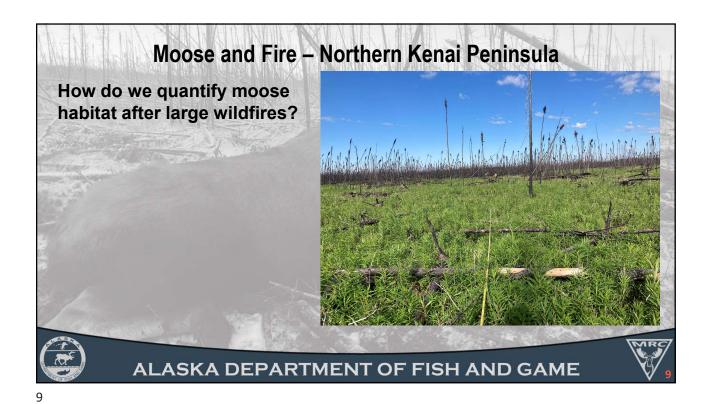






Funny River Fire on the Northern Kenai Peninsula

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Moose and Fire – Northern Kenai Peninsula

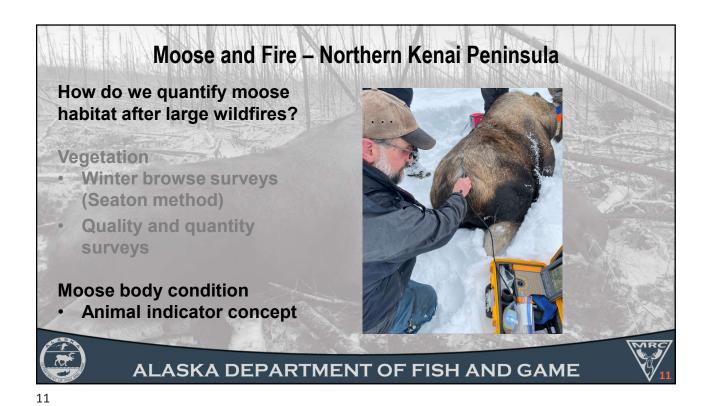
How do we quantify moose habitat after large wildfires?

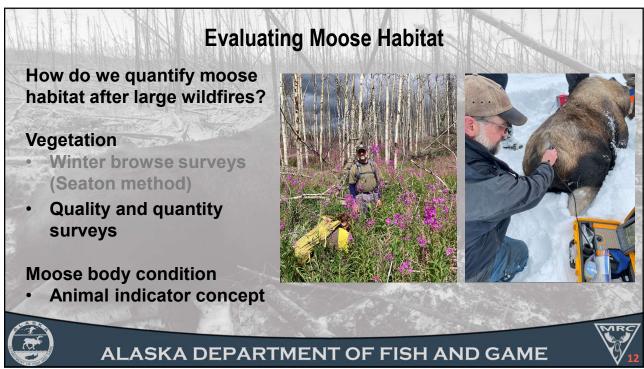
Vegetation

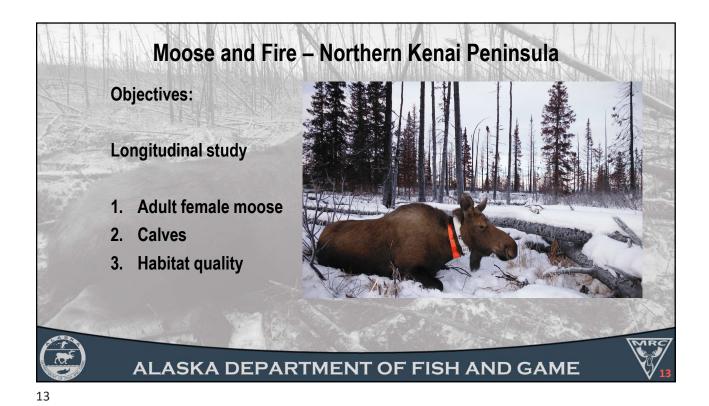
• Winter browse surveys (Seaton method)

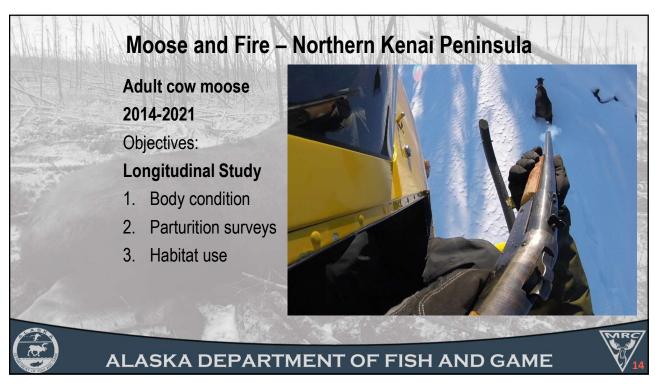
• Quality and quantity surveys

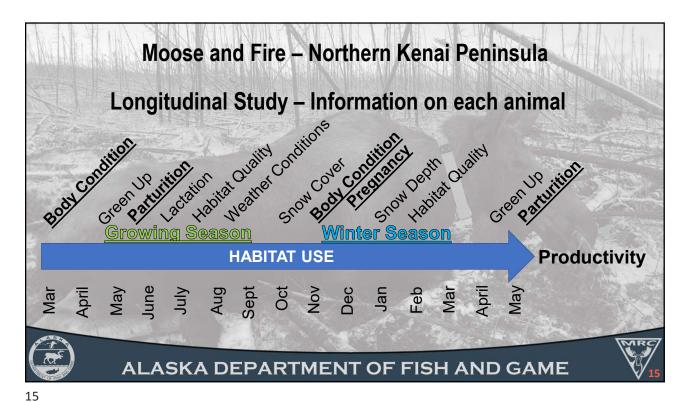
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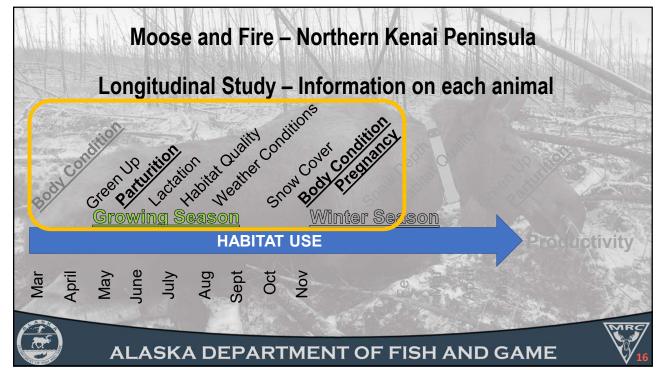


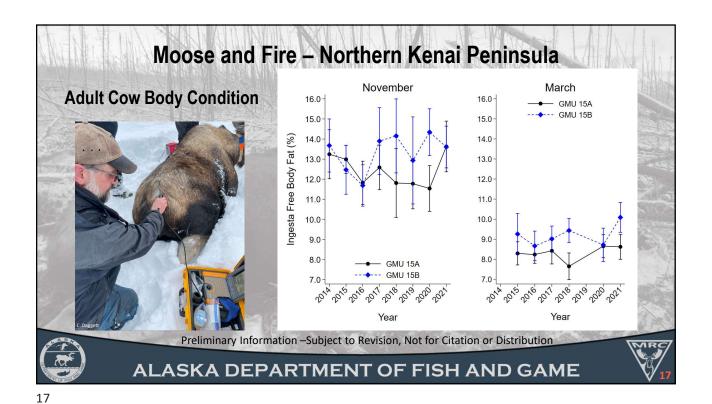












Moose and Fire – Northern Kenai Peninsula

Length of Growing Season (degree days or NDVI)

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2017 Kenai Peninsula Existing Vegetation Map

2020
ADF&G vegetation
Survey in Funny
River Fire
footprint

ADF&G WHESAP
Program

GMU 15B

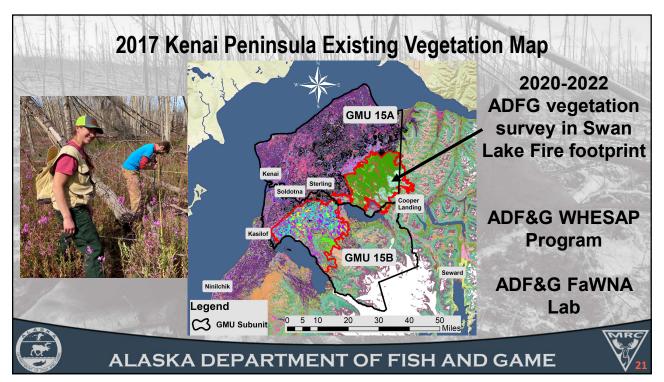
Sewerd

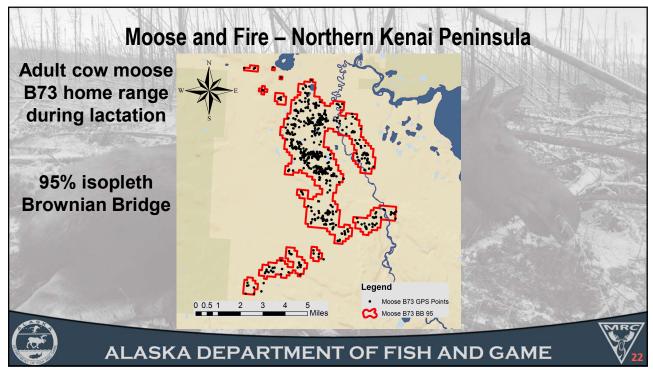
Cooper

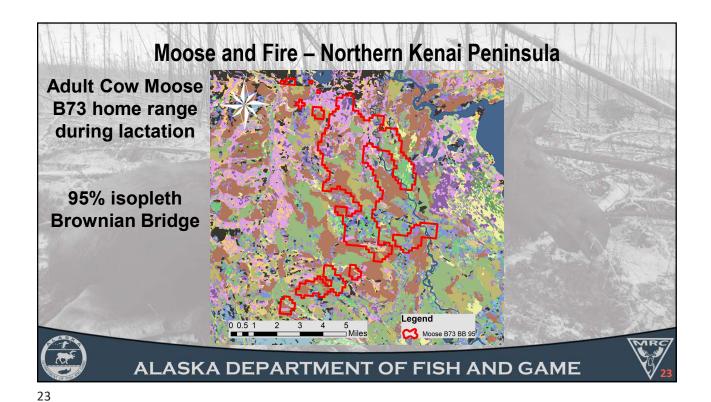
GMU 15B

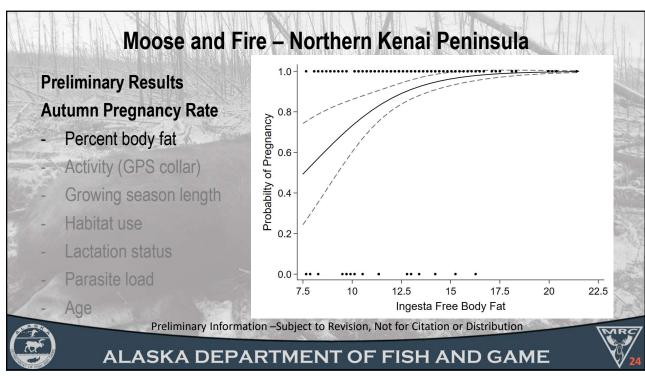
Sewerd

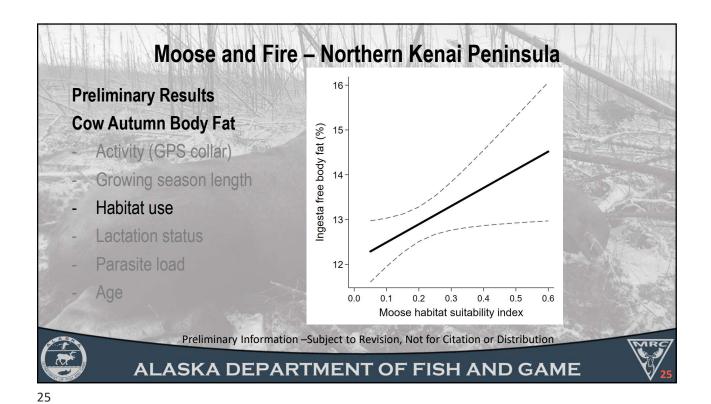
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Moose and Fire – Northern Kenai Peninsula

Longitudinal Study – Information on each animal

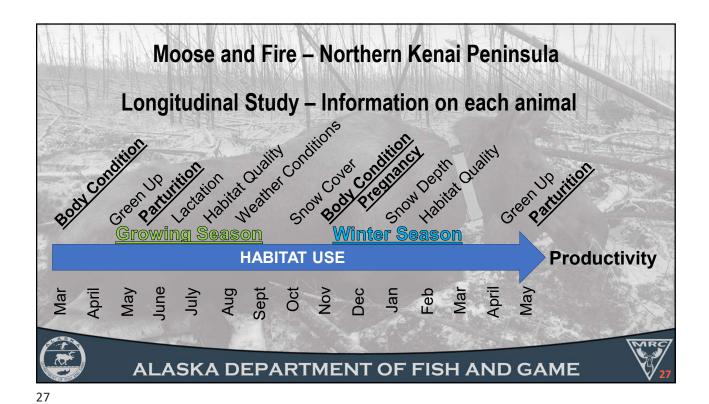
Longitudinal Study – Information on each animal

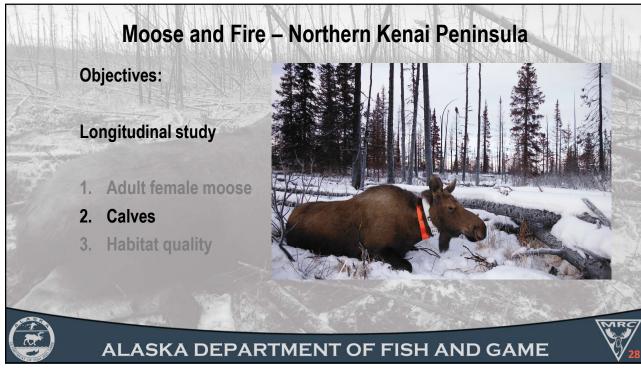
Longitudinal Study – Information on each animal

Minter Section

HABITAT USE

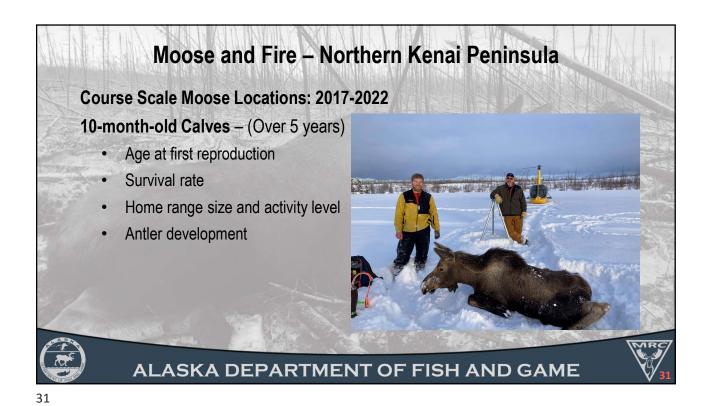
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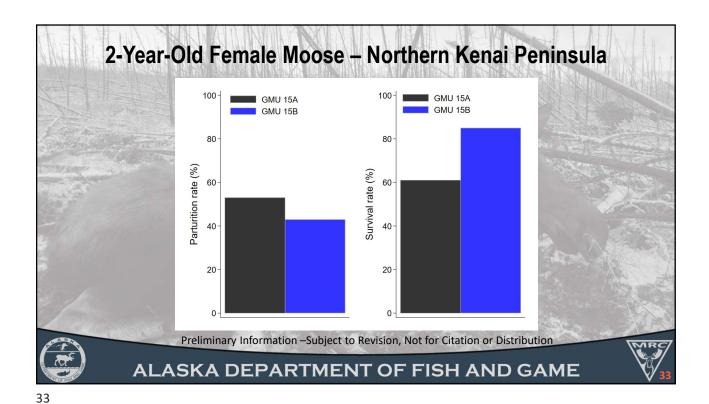


Body Mass (n = 157) Average = 188 kg Males on average 9 kg heavier

2252001252018 2019 2020 2021 2022

Preliminary Information – Subject to Revision, Not for Citation or Distribution

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Known-Age Moose - Northern Kenai Peninsula ■ GMU 15A MU 15B Cow moose GMU 15B **Bull moose** (n = 54 collared)(n = 79 collared)80 80 **Cow Moose Bull Moose** 5 Cohorts 3 Cohorts Survival rate (%) 60 60 < 5.5 years old < 3.5 years old 40 40

n = 30

20

n = 20

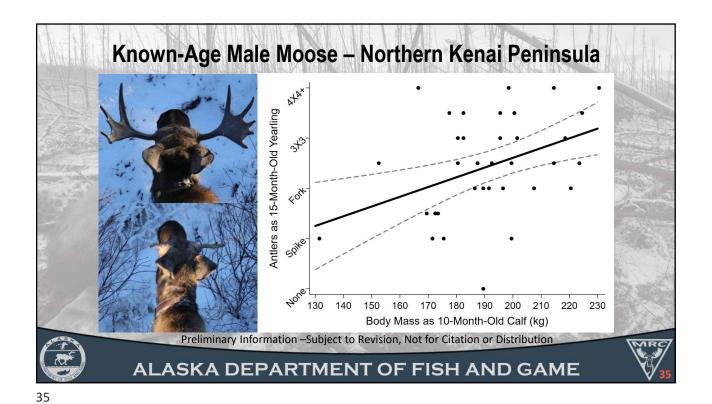
20

Preliminary Information -Subject to Revision, Not for Citation or Distribution

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n = 9

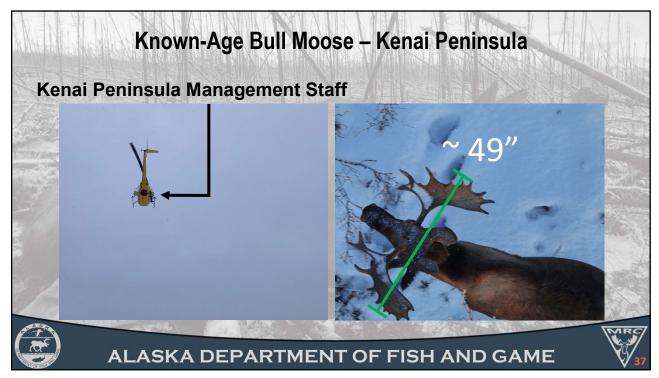
n = 17

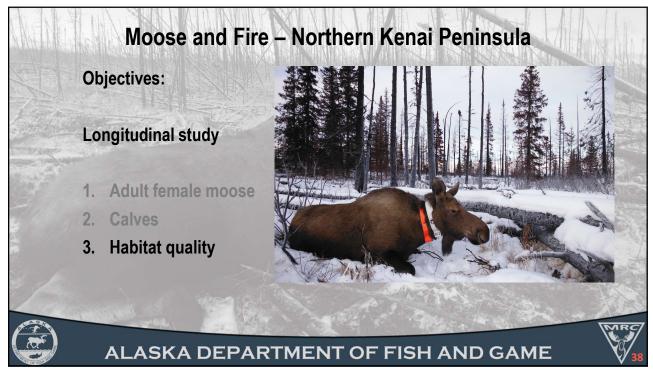


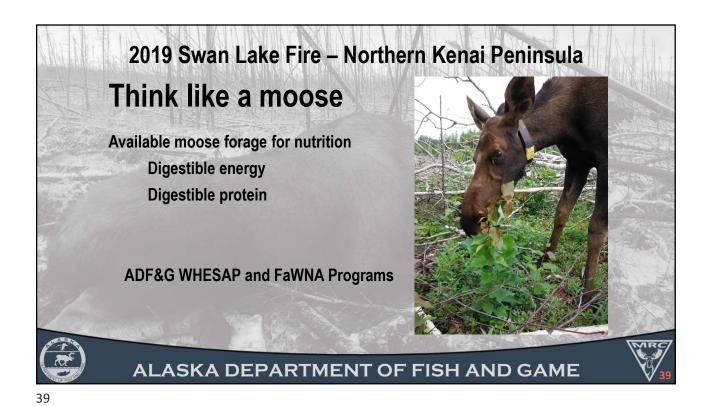
Renai Peninsula Management Staff

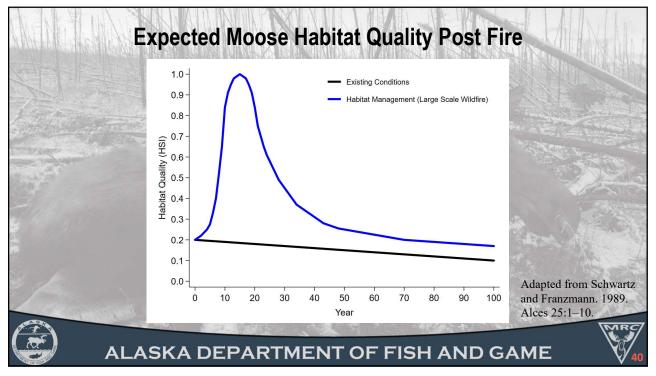
Sealed antier photos (n = 224)

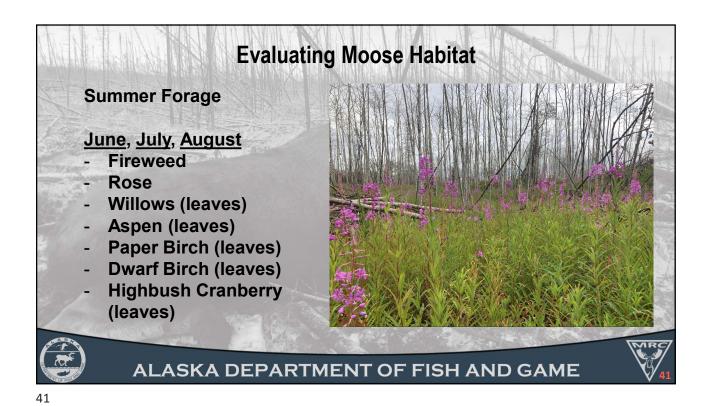
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Winter forage

October and March
Willows (twigs)
Aspen (twigs)
Paper Birch (twigs)
Dwarf Birch (twigs)
Highbush Cranberry (twigs)
Lowbush Cranberry
Wintergreen
Bunchberry dogwood

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