



Which Path Do I Choose?: Perspectives on Invasive Species Management

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Overview

- Lower 48 vs. Alaskan Context
- Management Approaches
- Case Studies





Lower 48 vs.
Alaskan Context



Why care about invasive species in



Images Courtesy: Alaska Public Media, NPS, and USFWS



Lower 48 Context

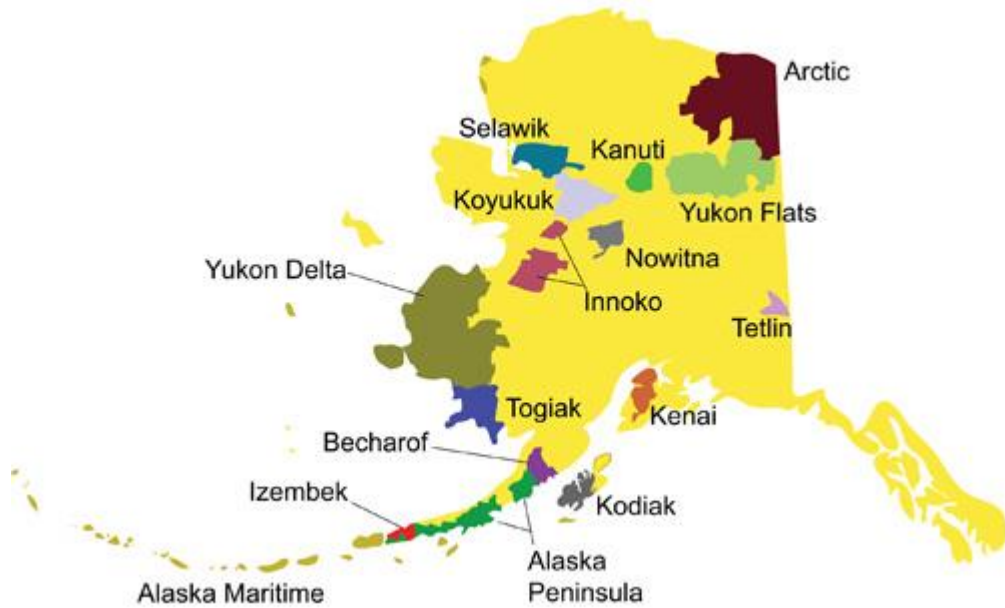


Image Courtesy: Ron Laubenstein/USFWS

Acreege By State

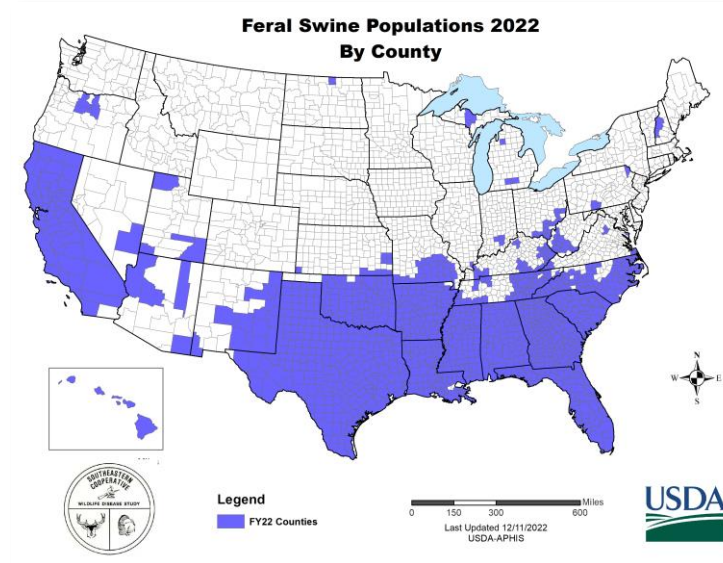
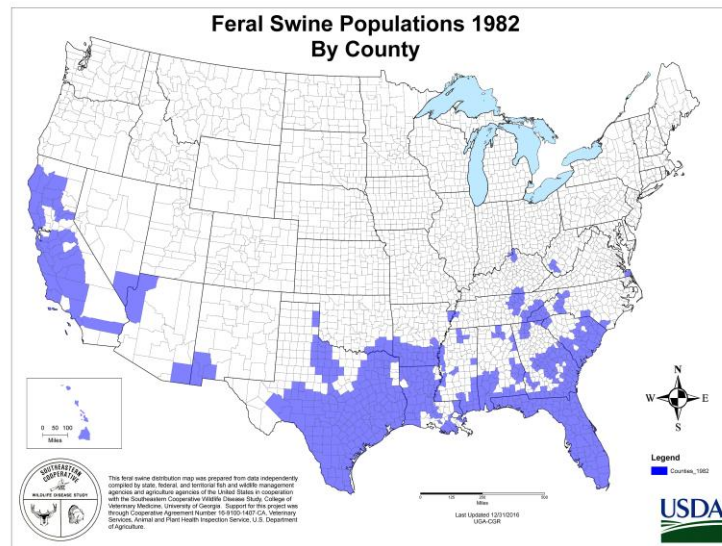
State	Wilderness Acres	Percent of Total Wilderness Acres	State Land Area	Percent of State Land Area
Alaska	57,764,399	52%	365,481,600	16%
Texas	85,186	Less than 1%	168,217,600	Less than 1%
California	15,346,666	14%	100,206,720	15%
Montana	3,501,430	3%	93,271,040	4%
New Mexico	1,981,947	2%	77,766,400	3%
Arizona	4,512,055	4%	72,688,000	6%

Image Courtesy: Wilderness.net

126 million acres of lower 48 infested with just 16 invasive plant species



Lower 48 Context



Images Courtesy: USDA



Lower 48 Context

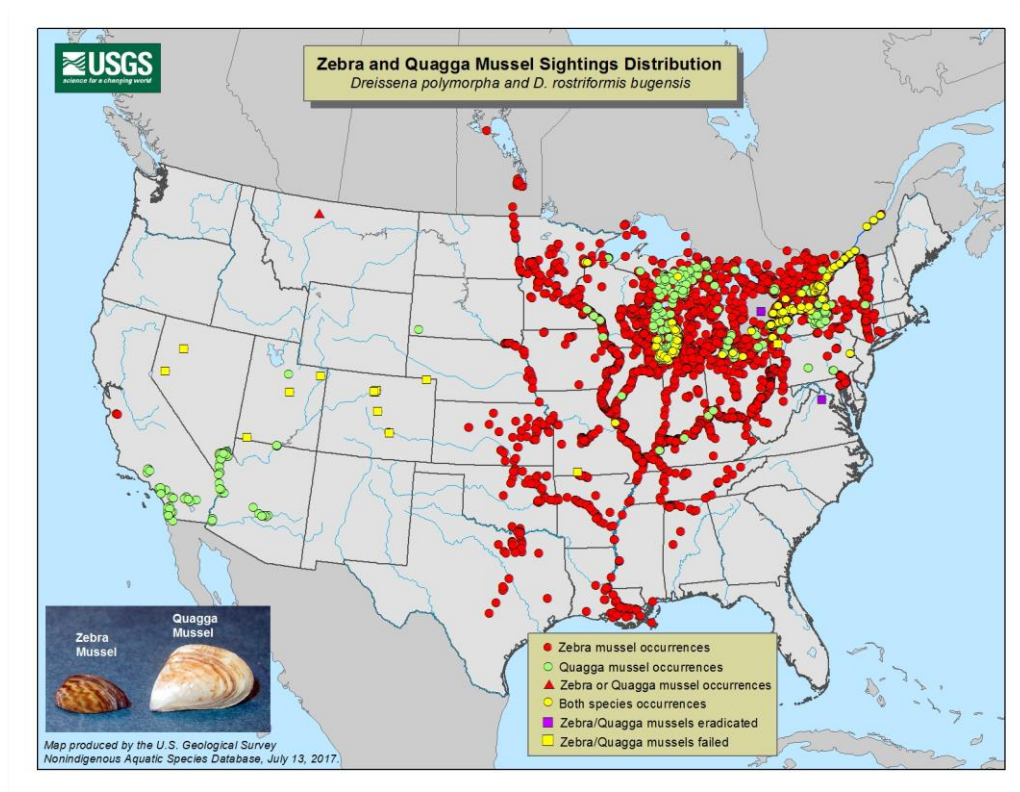


Image Courtesy: USGS



Alaskan Context



Images Courtesy: USFWS, Washington Sea Grant



Alaskan Context

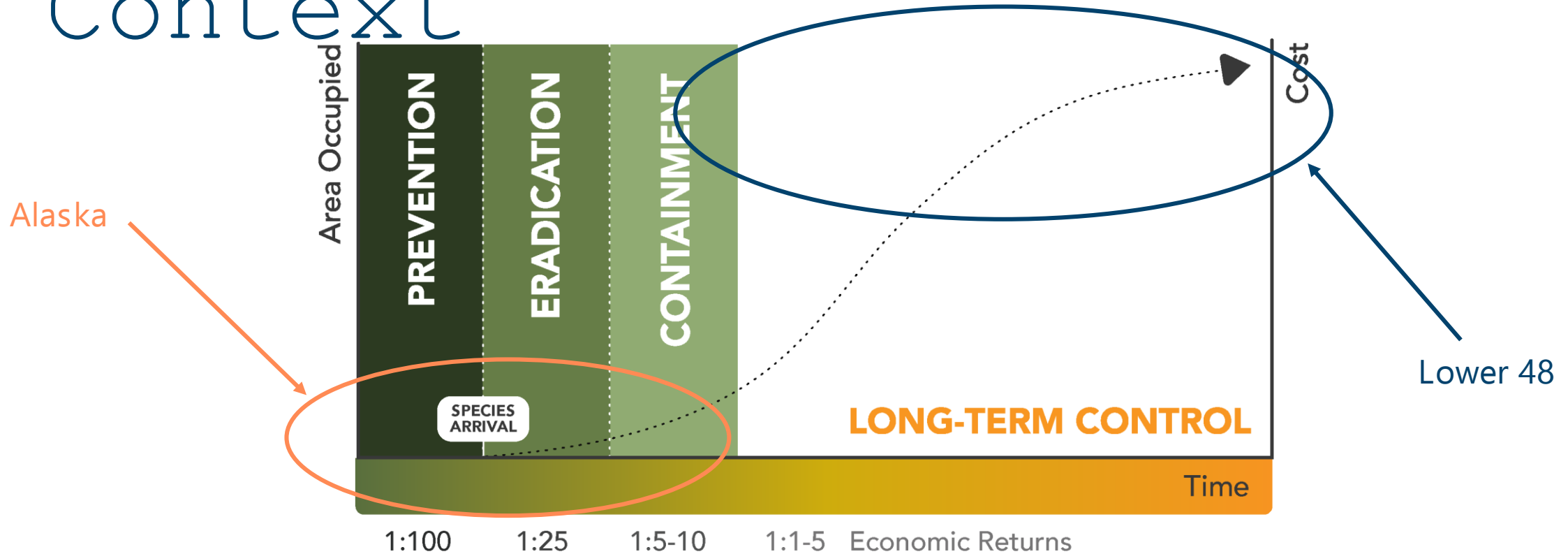


Image Courtesy: Invasive Species Centre



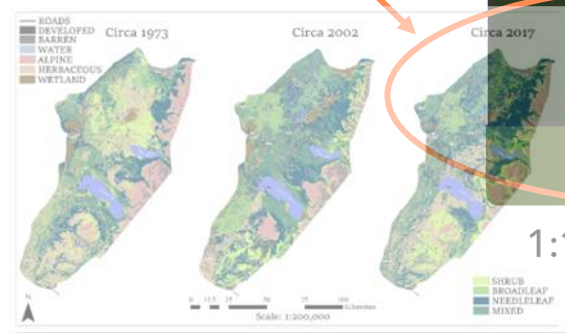
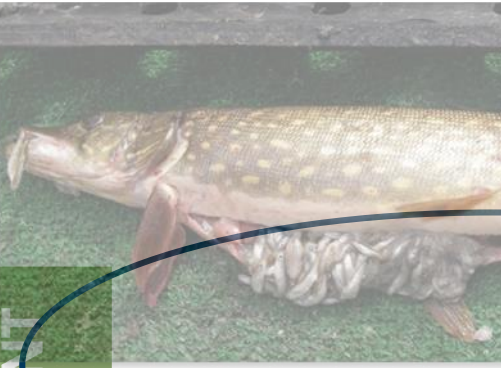
Alaskan Context



PREVENTION

ERADICATION

CONTAINMENT



SPECIES ARRIVAL

LONG-TERM CONTROL

Time

Economic Returns



Lower 48



How do we manage
invasive species
in this messy,
dynamic context?





Adobe Stock | #88048284

Image Courtesy: Adobe Stock

Management Approaches and Case Studies



Early Detection and Rapid Response

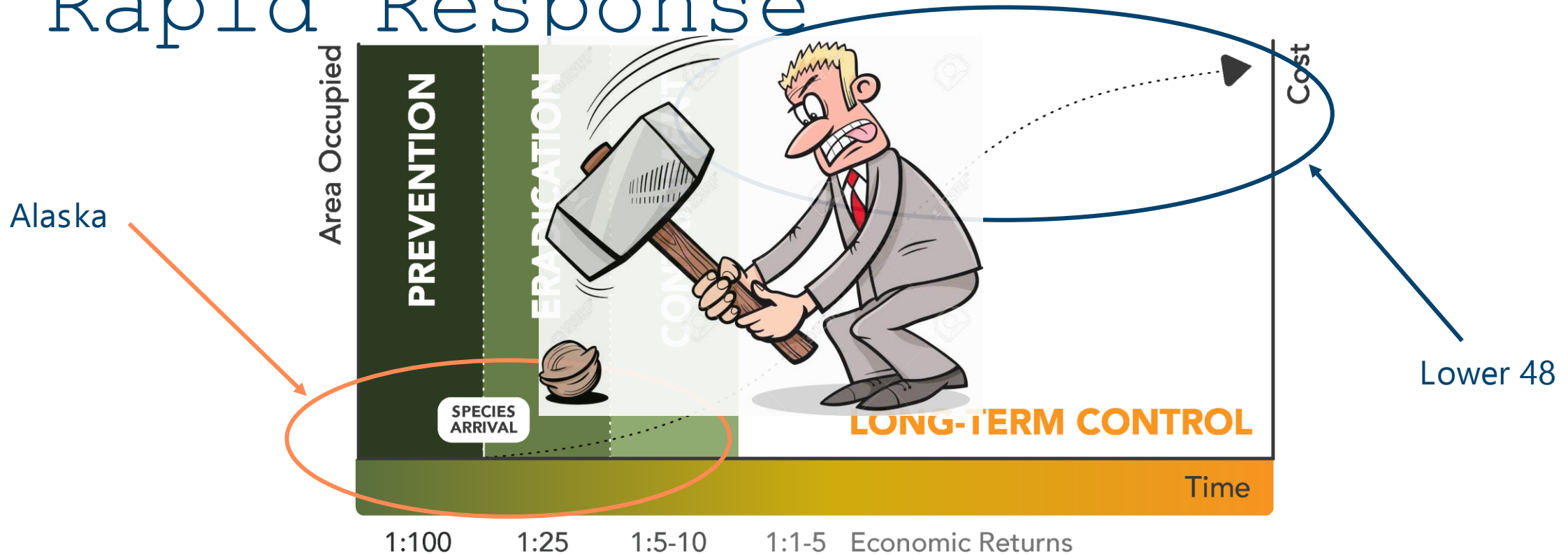


Image Courtesy: Invasive Species Centre and Igor Zakowski



Early Detection and Rapid Response – Miller Creek Watershed



Image Courtesy: ADF&G



Early Detection and Rapid Response



Image Courtesy: Ad-Esse Consulting



Resist-Accept-Direct

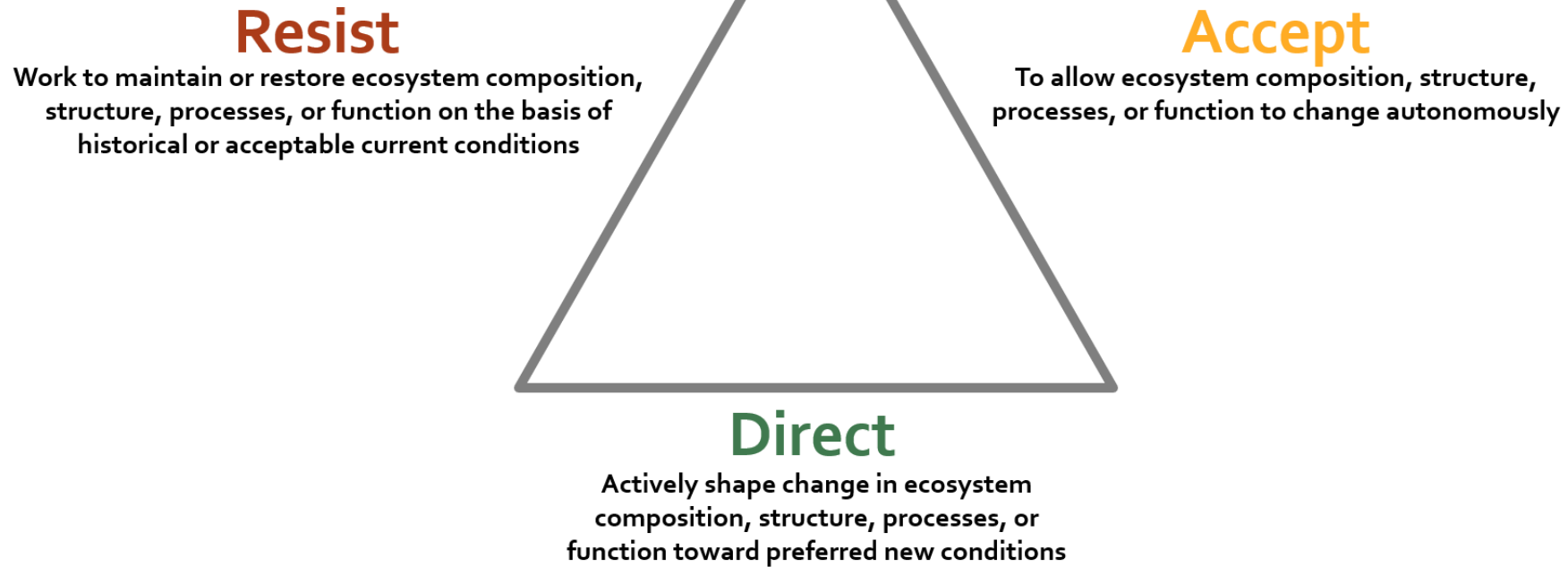


Image Courtesy: USGS Climate Adaptation Science Center



Resist



Images Courtesy: AKSSF, USFWS



Accept



Images Courtesy: USFWS, Anchorage Daily News, NPS



Direct



Images Courtesy: USFWS



Which path do I choose?



Image Courtesy: Amanda Johnson





Image Courtesy: USFWS

Questions?

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#keepalaskawildandfree

