

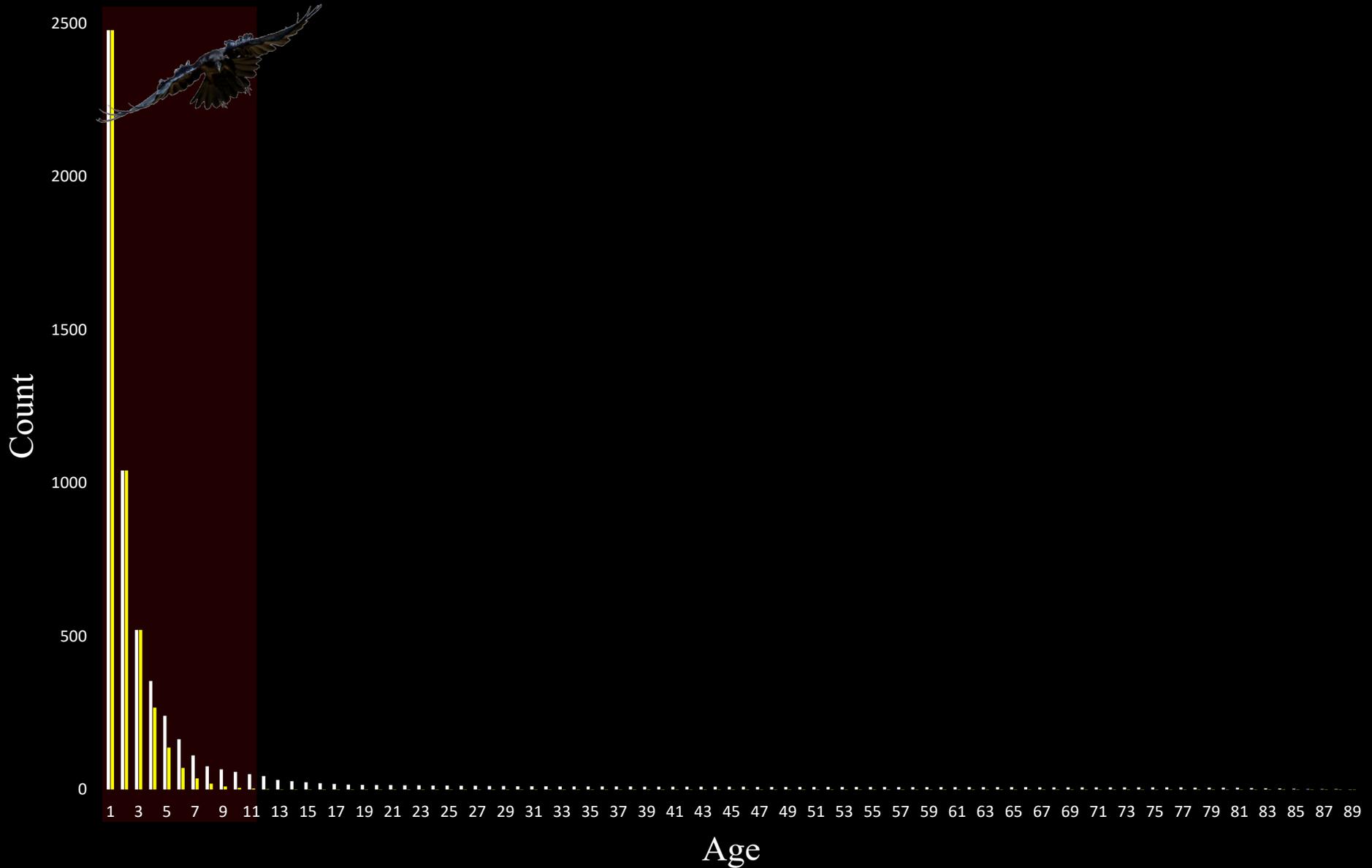
Fall 2022 Raven Management Update



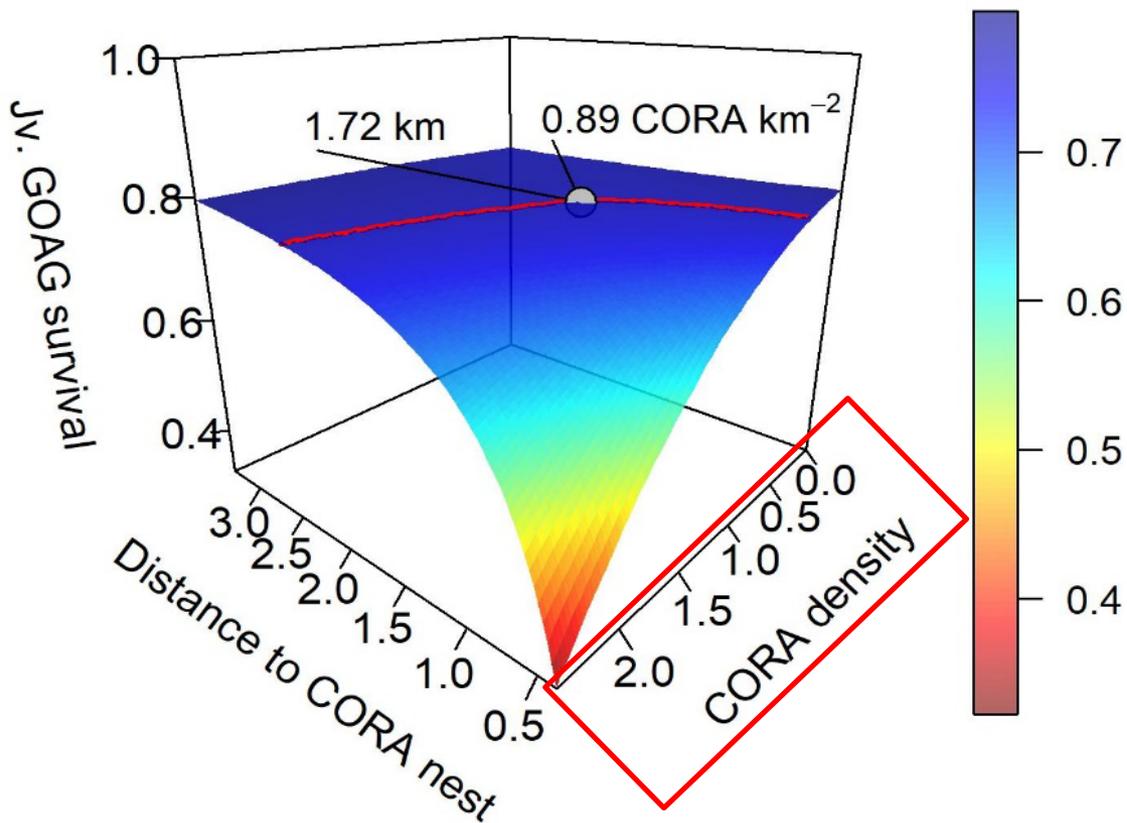
Kristina Drake

Kerry L. Holcomb
Palm Springs Fish and Wildlife Office
Kerry_Holcomb@fws.gov

With Ravens (Yellow) & Without Ravens (White)

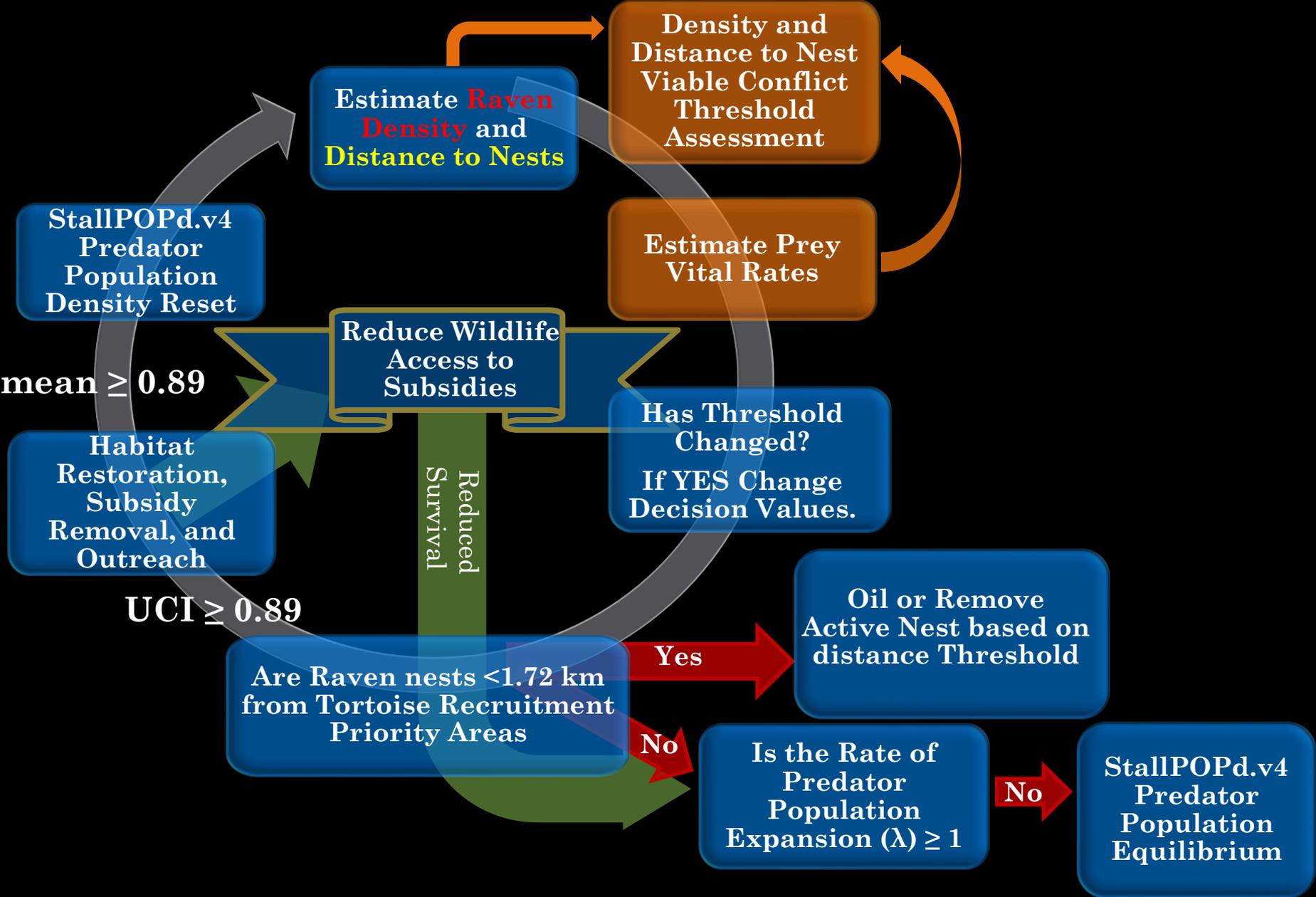


Mojave Desert Tortoise – Common Raven Viable Conflict Threshold



Holcomb et al. 2021

Adaptive Management Cycle



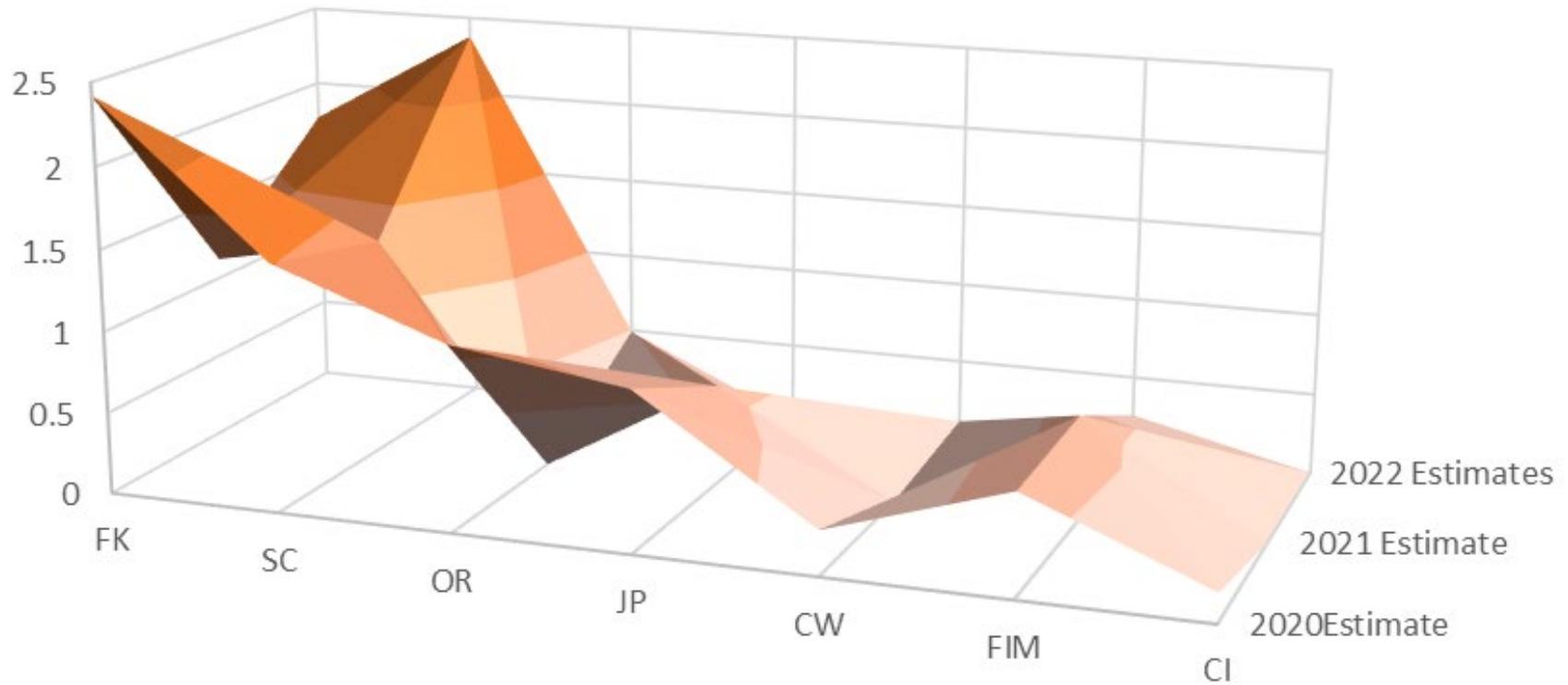
Density Reset and Maintenance Removal



Reset					
Strata	Eggs/ Hatch Year	Non- Breeders	Breeders	2020 Totals	Total Take Required
FK-2020	1,486	531	2,132	4,149	
FK-Traget	542	193	778	1,513	
Take Target	944	338	1,354		2,636
2020 Take	1027	0	59		1,086
Strata	Eggs/ Hatch Year	Non- Breeders	Breeders	2020 Totals	Total Take Required
FK-2021	1,486	531	2,132	4,149	
FK-Traget	542	193	778	1,513	
Take Target	944	338	1,354		2,636
2021 Take	426	0	7		433
Maintenance					
Strata	Eggs/ Hatch Year	Non- Breeders	Breeders	2020 Totals	Total Take Required
FK-202x	542	193	778	1,513	
FK-Traget	407	174	700	1,280	
Take	136	19	78		233

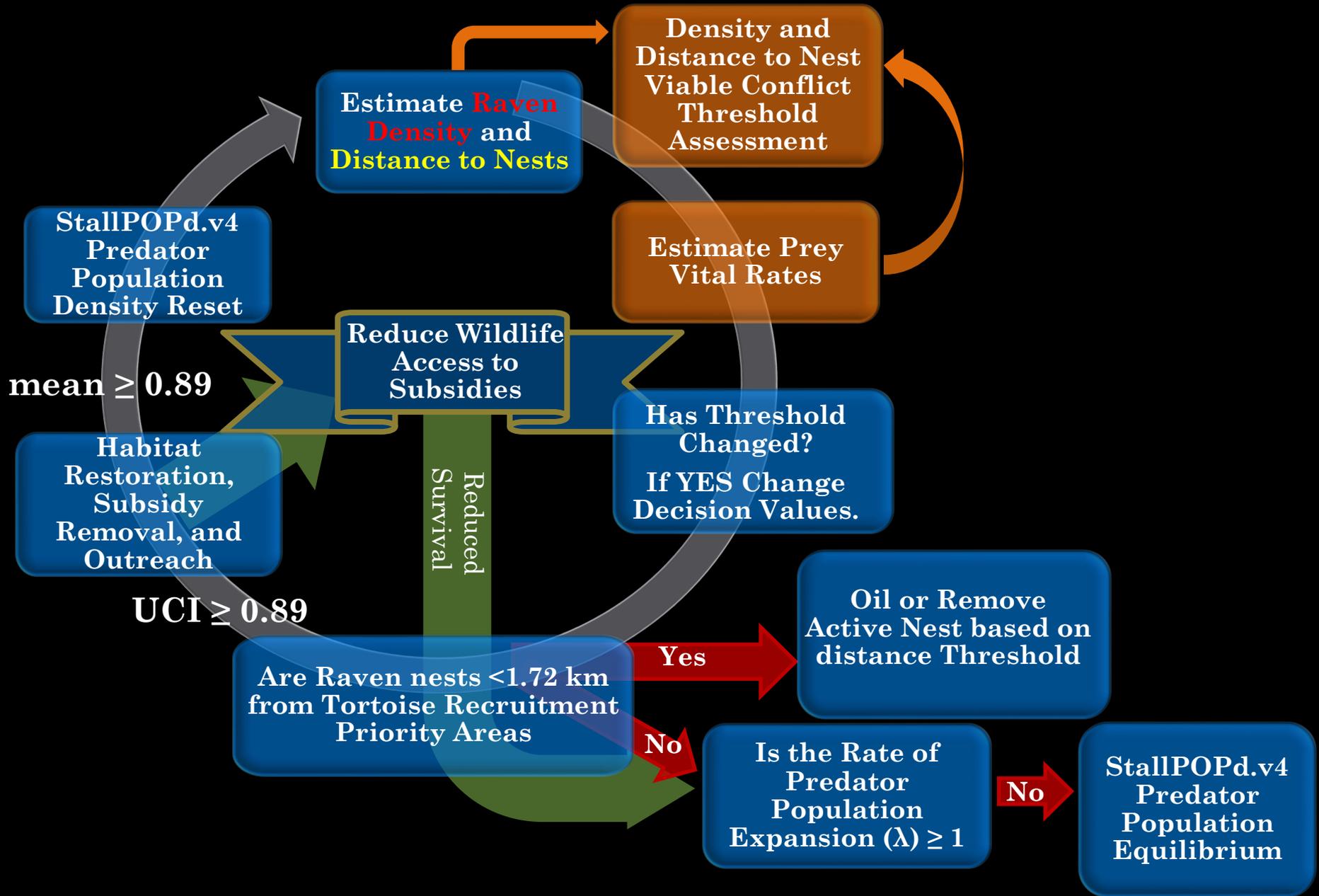
Raw Point Count Results

Observed Change in Raven Density



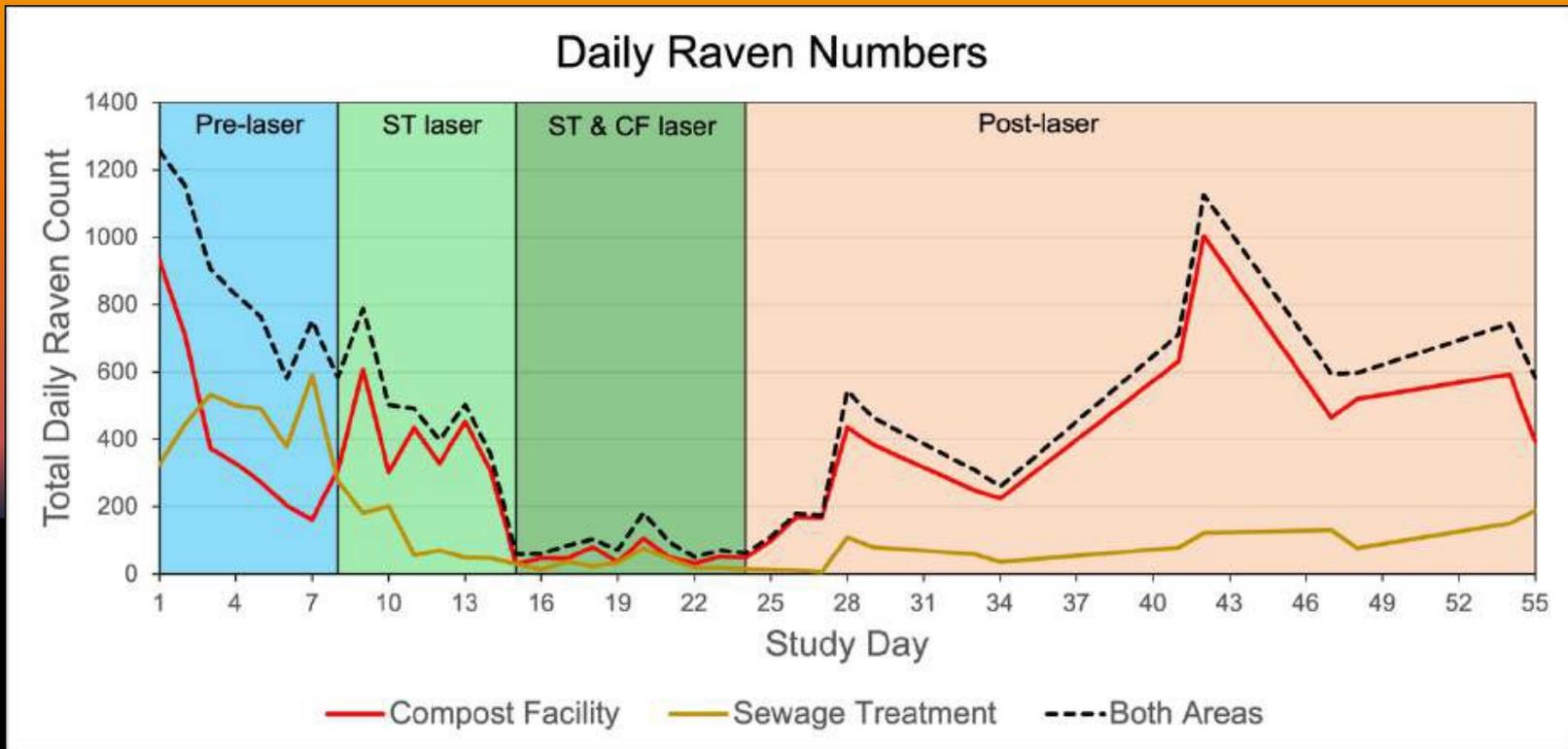
2020-2022 Raven Trends

Adaptive Conflict Resolution Cycle

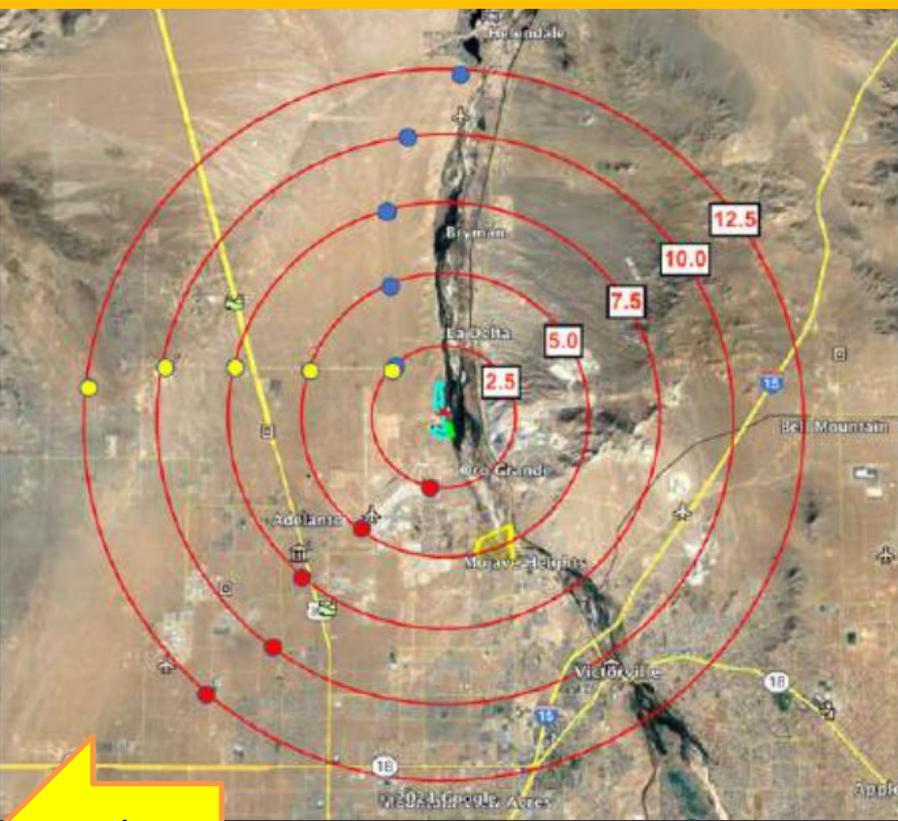


Tortoise Recruitment Priority Areas

Reduce Wildlife Access to Subsidies



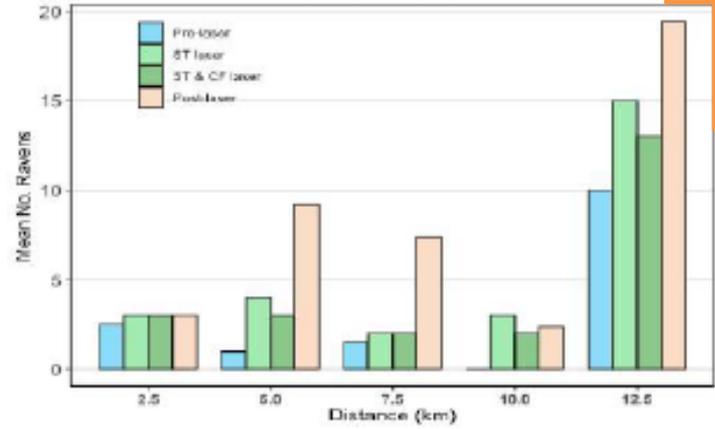
Raven Dispersal in Response to Subsidy Denial



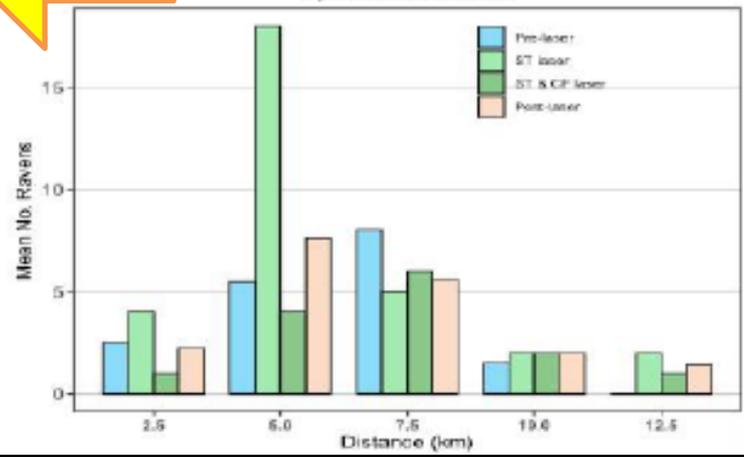
Exurban

CHU

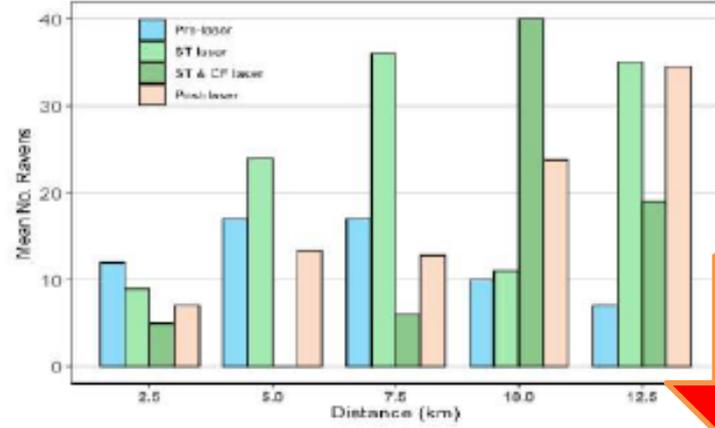
NORTH: Raven Abundance over Distance by Treatment Phase



WEST: Raven Abundance over Distance by Treatment Phase



SOUTHWEST: Raven Abundance over Distance by Treatment Phase



Urban

Side-by-side TechnoTort Decoy and Mojave Desert Tortoise Headstarted Juvenile Survival Comparison

Action



Acknowledgments

