

PROGRAMMATIC ENVIRONMENTAL ASSESSMENT FOR INTEGRATED, ADAPTIVE MANAGEMENT OF THE COMMON RAVEN ON DEPARTMENT OF DEFENSE LANDS IN THE CALIFORNIA DESERT



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OUTLINE

1. Wildlife-Wildlife Conflict
2. Human-Wildlife Conflict
3. Raven Population
4. Subsidies
5. Raven EA 2008
6. Raven PEA 2022*
 - a. Non-lethal
 - b. Lethal
 - c. Integrative, adaptive



*See Environmental Assessments at
<https://www.29palms.marines.mil/Staff-Offices/Environmental-Affairs/>

WILDLIFE-WILDLIFE CONFLICT

1. Worldwide issue
2. Corvids and chelonians, other spp.



HUMAN-WILDLIFE CONFLICT

1. Worldwide
2. Corvids and people
3. Crops, livestock
4. Excrement, disease vectors, equipment damage
5. Power outages
6. Expense - deterrence, cleanup



RAVEN POPULATION

1. CA Desert Ravens - 6 to 15 greater in 3 to 5 decades
2. Tortoise: 50% decline, W Mojave, 2004-2013:
3. Other birds: all declined 2013-2016
4. Distribution – to remote locations

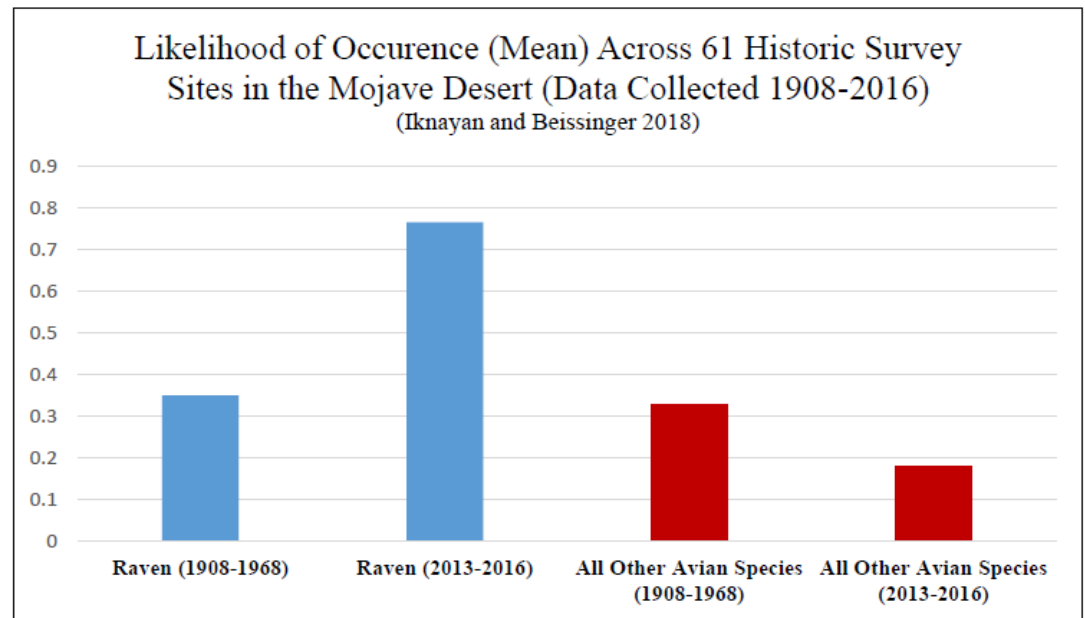


Figure 1-3 Historic and Modern Occurrence of Avian Species in the Mojave Desert

SUBSIDIES

1. Food* & Water
2. Shade
3. Roosting sites
4. Nesting sites



EA (2008, 2022)

1. Raven EA 2008
2. Raven PEA 2022
 - a. Non-lethal
 - b. Lethal
 - c. Integrative, adaptive - monitoring
 - d. DoD lands
 - e. 6 installations, USDA (APHIS)



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