Our Vision: A World Where People and Nature Thrive

TNC is a leading global conservation organization with a mission to conserve the lands and waters on which all life depends.

A far-reaching alumni network of leaders in the conservation community

- 3,600 conservationists
- 1,300 prominent volunteer leaders
- 72 countries
- 50 U.S. states
- 400 scientists
- 1 million dedicated members
Our Priorities

Protect Land and Water

Tackle Climate Change

Provide Food & Water Sustainably
The analysis of band recovery data enabled waterfowl biologists to delineate North America’s four waterfowl flyways.
Quivira National Wildlife Refuge and Rattlesnake Creek
Table 1. Significant annual events largely considered in determining seasonal water needs to accomplish management objectives of Quivira National Wildlife Refuge.

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<tr>
<th>Jan-Feb</th>
<th>Mar-Apr</th>
<th>May-Jun</th>
<th>Jul-Sep</th>
<th>Oct-Nov</th>
<th>Dec</th>
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<tbody>
<tr>
<td><strong>MANAGEMENT TO SUPPORT WILDLIFE FOOD &amp; COVER REQUIREMENTS</strong></td>
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<td>Use water where needed to provide/maintain semipermanent wetland habitat.</td>
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<td>Shallowly flood select units to saturate dry soils that will be used to produce wildlife foods.</td>
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<td>Dewater select wetlands for suitable germination and growth of desired plants used for wildlife food and cover. Drawdown dates are based on scientific information.</td>
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<td>Irrigate select wetland units to support survival, growth, and seed production of germinated wildlife food plants.</td>
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<td>After seeds mature, gradually increase water levels in wetlands to coincide with the food and cover needs of target species.</td>
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**CHRONOLOGY OF SPECIES ANNUAL EVENTS OR WHEN LIFE REQUIREMENTS NEED TO BE AVAILABLE FOR SPECIES USE**

<table>
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<tr>
<th>Waterfowl and bald eagle wintering habitat is provided when open water is available (generally where flooded deep and/or where flow prevents ice formation).</th>
<th>Peak spring waterfowl migration (habitat flooded &lt;15 inches).</th>
<th>Main spring shorebird migration (habitat flooded &lt;6 inches and mudflat).</th>
<th>Main fall shorebird migration (habitat flooded &lt;6 inches and mudflat).</th>
<th>Peak fall waterfowl migration (habitat flooded &lt;15 inches).</th>
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<td>Endangered whooping crane spring migration (shoreline &amp; habitat flooded &lt;1 ft.).</td>
<td>Breeding-related activities occur for several waterbirds that require flooded habitat for food and/or cover resources, such as for the state-threatened snowy plover, the endangered interior least tern, and for state species in need of conservation (e.g., black rail, black tern).</td>
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<td>Endangered whooping crane fall migration (shoreline and habitat flooded &lt;1 ft.).</td>
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Rattlesnake Creek Irrigation Innovation Project
Conservation Innovation Grant (CIG) Objectives:

01 Increase adoption of more efficient irrigation packages, soil moisture sensors, and irrigation scheduling tools.

02 Monitor improvements in irrigation efficiency and yield per unit water.

03 Facilitate a peer-to-peer mentoring network to discuss successful strategies.
Invasive tree removal

• Partnership between U.S. Fish and Wildlife Service Partners Program, Kansas Forest Service, The Nature Conservancy, and WaterPACK

• Targeting Salt Cedar (Tamarisk) and Russian Olive

• Benefits to streamflow, groundwater, forage for cattle, water quality, and wildlife habitat.

• 28 private landowner agreements

• 7,100 acres
  • 2,400 wetland acres
  • 4,700 upland acres
  • 38 stream miles

Photos by Aron Flanders, USFWS