Endangered Species Act

Flycatcher listed as endangered

March 29, 1995

900–1100 pairs known to exist
Theodore Roosevelt Dam

Safety of Dams
1,245,300 AF

Flood Control
557,000 AF

New Conservation Space
255,034 AF

Federal Action

EL. 2218.0’

EL. 2175.0’

EL. 2151.0’

EL. 2136.0’

EL. 1989.0’

EL. 1902.0’

Salt River Project
Conservation Storage
1,336,700 AF

Dead Storage Capacity
17,400 AF

Non-Federal Action

USBR – Sect. 7

SRP – Sect. 10
1994 – 55 birds
2001 – 263 birds
2004 – 375 birds
Threatened

Bald Eagle

Candidate

Yellow-billed Cuckoo

Endangered

Yuma Clapper Rail

Endangered

Willow Flycatcher
Major RHCP Commitments

• Acquire 2,250 acres
  – riparian habitat; buffer area
  – water rights (equivalency)

• Habitat management
  – Baseline Inventory
  – Management plan
  – Conservation easement

• Monitor bird populations and habitat

• Annual report to FWS & cooperators
## Habitat Acquisition Status

### Habitat Requirement – 2250 Acres

<table>
<thead>
<tr>
<th></th>
<th>Mitigation</th>
<th>Other</th>
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</thead>
<tbody>
<tr>
<td>Phase 1</td>
<td>February 26, 2003</td>
<td>500</td>
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<tr>
<td>Phase 2</td>
<td>August 26, 2004</td>
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<tr>
<td>Phase 3</td>
<td>February 26, 2006</td>
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<tr>
<th>Requirement</th>
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<tbody>
<tr>
<td>Phase 1 Requirement (complete)</td>
<td>500</td>
<td>250</td>
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<tr>
<td>Acquired Phase 1</td>
<td>487</td>
<td>362</td>
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<tr>
<td>Excess carryover to Phase 2</td>
<td>-13</td>
<td>+112</td>
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</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Mitigation</th>
<th>Other</th>
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</thead>
<tbody>
<tr>
<td>Phase 2 Requirement</td>
<td>500</td>
<td>250</td>
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<tr>
<td>Less carryover</td>
<td>+13</td>
<td>-112</td>
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<tr>
<td>Phase 2 Acquired</td>
<td>816</td>
<td>357</td>
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<tr>
<td>Estimated carryover to Phase 3</td>
<td>+51</td>
<td>+219</td>
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<table>
<thead>
<tr>
<th>Requirement</th>
<th>Mitigation</th>
<th>Other</th>
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<tbody>
<tr>
<td>Phase 3 Requirement</td>
<td>500</td>
<td>250</td>
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<tr>
<td>Minus carryover</td>
<td>51</td>
<td>219</td>
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<table>
<thead>
<tr>
<th>Total Acres Needed for Completion</th>
<th>Mitigation</th>
<th>Other</th>
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<tbody>
<tr>
<td></td>
<td>197</td>
<td>31</td>
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Camp Verde Riparian Preserve

Yavapai County
Township of Camp Verde

T14N, R4E
Sections 24 & 25
Camp Verde Riparian Preserve

COE: 1/19/04
Total acreage: 124 acres
Riparian: 124 acres
Baseline Inv: Drafted
Mgmt Plan: Drafted
Fire Plan: Not Started
Baseline Inventory

- Conservation Values (WIFL, YBC, Riparian)
- Geology/hydrology/geomorphology
- Soils
- Vegetation
- Wildlife
- Special Status Species/Invasive Species
- Cultural Resources
- Land Uses
- Property Infrastructure, Improvements
- Baseline Photo Documentation
Hydrology
- stream gages
- water table

Geomorphology
- terraces

Soils
- erosivity
- revegetation
Vegetation
- descriptions
- invasives
- enhancement

Wildlife
- WIFL habitat
Interior of Mature Cottonwood-Willow at Gaddis Wash
Young Cottonwood Willow
Salt cedar Thicket
Disturbed Terraces
High potential for introduction of invasive or noxious plants
## Previous WIFL Surveys: Phelps Dodge/SWCA (Verde Valley Ranch)

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<thead>
<tr>
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<tbody>
<tr>
<td>Adults</td>
<td>12</td>
<td>20</td>
<td>13</td>
</tr>
<tr>
<td>Territories</td>
<td>5</td>
<td>10</td>
<td>8</td>
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<tr>
<td>Nests</td>
<td>13</td>
<td>19</td>
<td>16</td>
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<tr>
<td>Nest Success</td>
<td>4 (33%)</td>
<td>10 (52%)</td>
<td>4 (25%)</td>
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<tr>
<td>Fledglings</td>
<td>9</td>
<td>21</td>
<td>4</td>
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<tr>
<td>Banded adults</td>
<td>7</td>
<td>12</td>
<td>2</td>
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<tr>
<td>Returned from '96</td>
<td>7</td>
<td>5 (2F)</td>
<td>1</td>
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<tr>
<td>Returned from '97</td>
<td></td>
<td>7 (4F)</td>
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</tr>
<tr>
<td>Cowbird Parasitism</td>
<td>6</td>
<td>3</td>
<td>2</td>
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<tr>
<td>% Parasitism</td>
<td>15</td>
<td>25</td>
<td>38</td>
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</table>

CV Female 1997; Kearney 1998; Roosevelt Lake 1999
Current Status - 2004 Monitoring Activities

Flycatchers: 1 territory, 1 pair, 3 adults (?)
Cuckoos: 5 detections during 3 visits (EEC)
Vegetation: Secured 2002 aerial photography
Permanent photo points: To be established after spring run-off
Historic Impacts on Habitat

- Sand and gravel mining operations
- Residential development
- Stream diversions
- Road construction
- Recreation/off-road vehicles
- Drought
- Livestock grazing
- Other commercial and industrial activities
- Agricultural activity/irrigation
- Proliferation of noxious & invasive weeds
Future Threats

- Fire, catastrophic habitat loss
- Incompatible adjacent development
- Expansion of GW pumping/diversions
- Incompatible recreation
- Invasion of noxious/invasive species
- Vandalism/ human trespass
Off-road vehicle trails
Area excavated for sand and gravel
Remnants from sand and gravel operation – off property
Remnants from sand and gravel – on property
Incompatible recreation
Past livestock use on terrace lands
Adjacent Commercial/Industrial Activities
Management Objectives

- Minimize trespass, vandalism
- Reduce potential for wildfires
- Reduce cowbird parasitism
- Evaluate need for habitat enhancement
- Eliminate livestock grazing
- Reduce/prevent noxious, invasive weeds
- Construct/maintain fences, access roads
- Hire on-site manager
- Coordinate w/ community, neighbors
- Establish a conservation easement on property
Access Issues – require coordination with community
First Management Actions

- Fencing
- Boundary Issues
- Neighbor Coordination***
- On-Site Management
Annual Monitoring

- Flycatcher surveys
- Yellow-billed cuckoo surveys
- Permanent photo points
- Cowbird trapping