Control of Invasive Plants through Biological Mitigation for Transportation Projects In San Diego

Bruce April, Chief
Environmental Stewardship Branch
Caltrans, District 11
Regulatory Agencies:

Federal
• U.S. Fish and Wildlife Service
• U.S. Army Corps of Engineers
• U.S. Environmental Protection Agency
• National Marine Fisheries Service

State
• California Coastal Commission
• California Department of Fish and Game
• California Regional Water Quality Control Board
CALTRANS – DISTRICT 11
BIOLOGICAL MITIGATION SITES
SAN DIEGO & IMPERIAL COUNTIES

TOTAL NUMBER OF SITES - 51

TOTAL ACREAGE – 5,281

TOTAL COST – $125,952,720
Pilgrim Creek Mitigation Bank
Year 6

Existing Condition – fallow agricultural field with fennel and mustard

121 acres of:
Willow Riparian Woodland, Coastal Sage Scrub, Native Grassland, Oak-Sycamore Woodland, Least Bell’s Vireo, California Gnatcatcher, San Diego Ambrosia
Pilgrim Creek Mitigation Bank
San Luis Rey (Marron)
Del Mar Mesa & Lopez Ridge Vernal Pools – 90 areas
SR-56 – Carmel Valley Restoration and Enhancement Project (CEVREP)

104 acres of:
Willow Riparian Woodland,
Freshwater Marsh
SR-56 – Carmel Valley Restoration and Enhancement Project (CEVREP)
Bonita Meadows
I-5/SR-54 Sweetwater Marsh
San Ysidro Mountains
Riv-86 Habitat Areas

Brawley
San Sebastian Marsh
Pupfish-San Felipe Creek
Coachella
Ocotillo Wells

Brawley Bypass Wetland

Riv-86 Habitat Areas

San Sebastian Marsh

Pupfish-San Felipe Creek

Brawley
### Transferred Mitigation Properties

<table>
<thead>
<tr>
<th>California Department of Fish and Game</th>
<th>U.S. Fish and Wildlife Service</th>
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</thead>
<tbody>
<tr>
<td><strong>SITE</strong></td>
<td><strong>ACRES</strong></td>
</tr>
<tr>
<td>2. Carlsbad Highlands</td>
<td>83</td>
</tr>
<tr>
<td>3. Bonsall, SLR</td>
<td>11</td>
</tr>
<tr>
<td>5. Pilgrim Creek Mit. Bk</td>
<td>120</td>
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<tr>
<td>6. San Diego River</td>
<td>33</td>
</tr>
<tr>
<td>7. Blue Sky Ranch</td>
<td>50</td>
</tr>
<tr>
<td>8. Lake Hodges</td>
<td>12</td>
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<tr>
<td>9. Rutherford Ranch</td>
<td>39</td>
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<tr>
<td>10. Vernal Pool DM/Lop</td>
<td>90</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>708 ac.</strong></td>
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TOTALS to DATE

ACREAGE 5,282  COST $125,952,750

TRANSNET
ENVIRONMENTAL MITIGAITON PROGRAM

ACREAGE ??????  COST $850,000,000
TransNet Sales Tax Extension

ENVIRONMENTAL MITIGATION PROGRAM

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tr>
<td>Major Highway Transit Project Mitigation</td>
<td>$450,000,000</td>
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<td>Local Project Mitigation</td>
<td>$200,000,000</td>
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<tr>
<td>Total Direct Mitigation</td>
<td>$650,000,000</td>
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<tr>
<td>Economic Benefit</td>
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<td>Total Environmental Mitigation Program</td>
<td>$850,000,000</td>
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