

# Ecological Restoration at the Springs Preserve

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[www.springspreserve.org](http://www.springspreserve.org)



Decatur Blvd.

Rancho Drive

Meadows Mall

Washington St.

Lorenzi Park

Valley View Blvd.

U.S. Highway 95

Las Vegas Springs Preserve

LVSP Project Office

Desert Demonstration Gardens

Alta Dr.

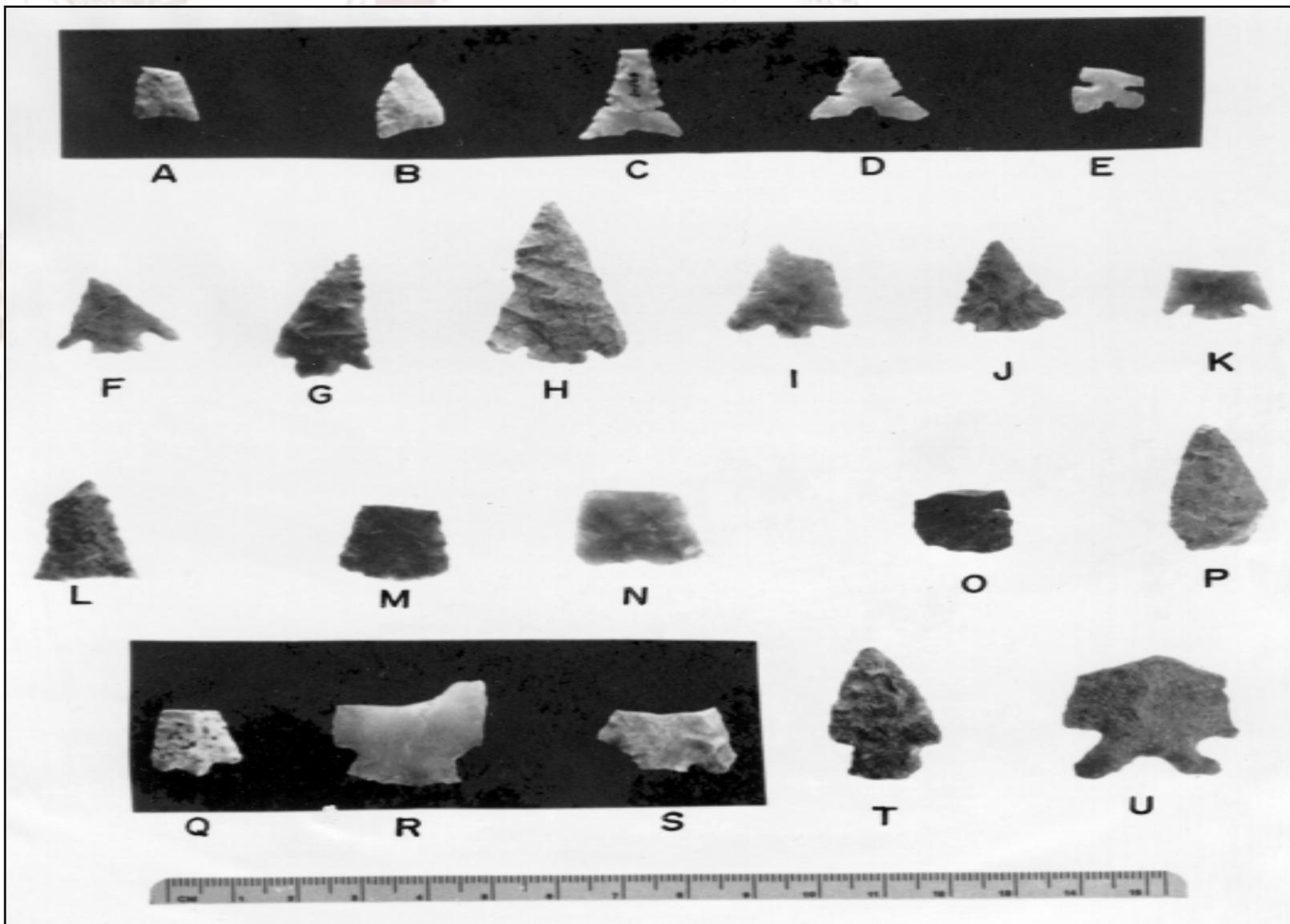


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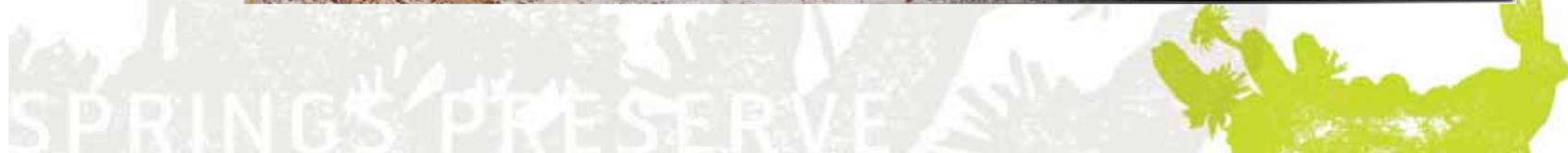


# Disturbances on the Springs Preserve





# Roads





# Utility Corridors



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# Construction Debris Areas



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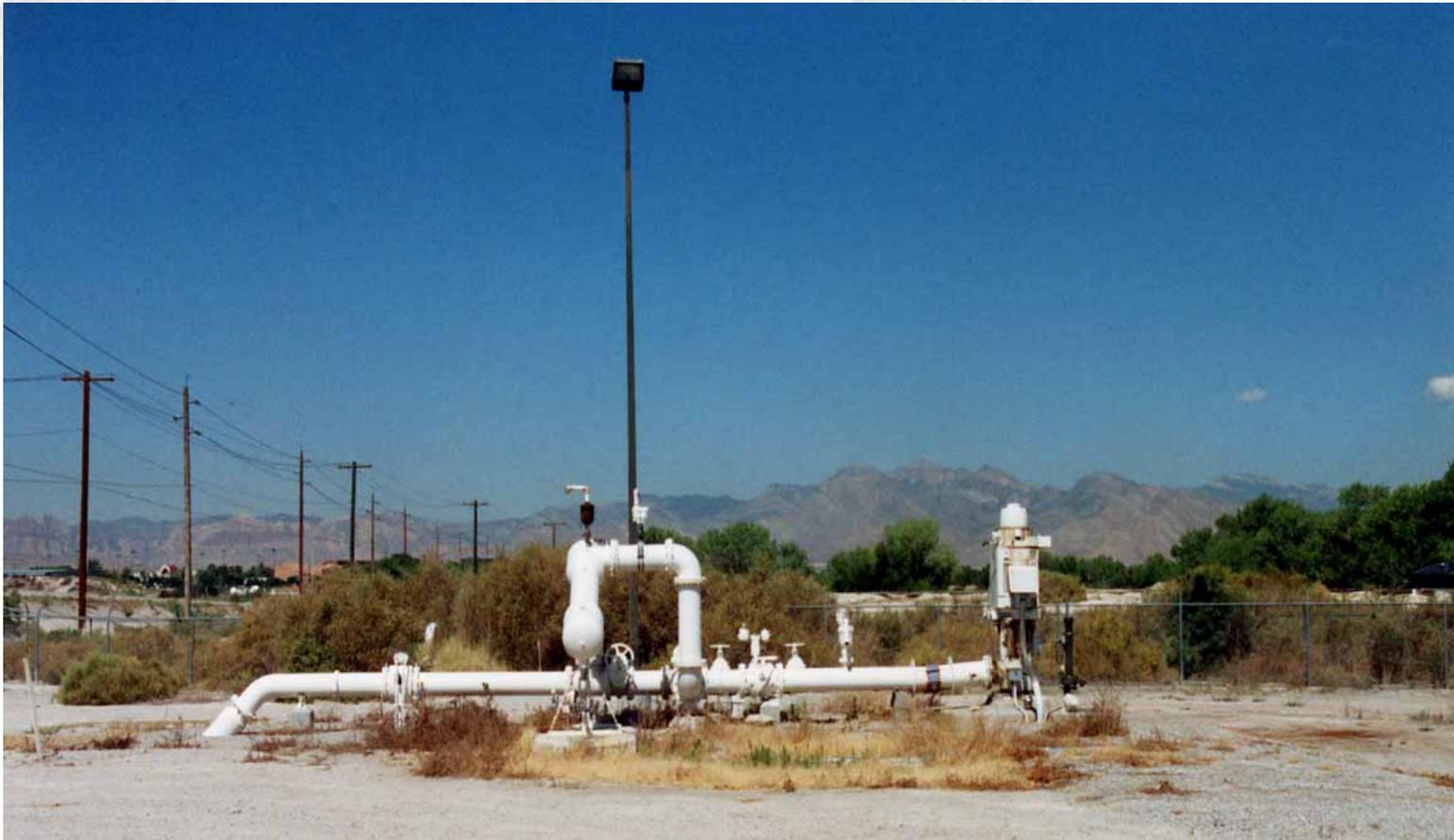


# Invasive Weed Areas





# Water Distribution Facilities



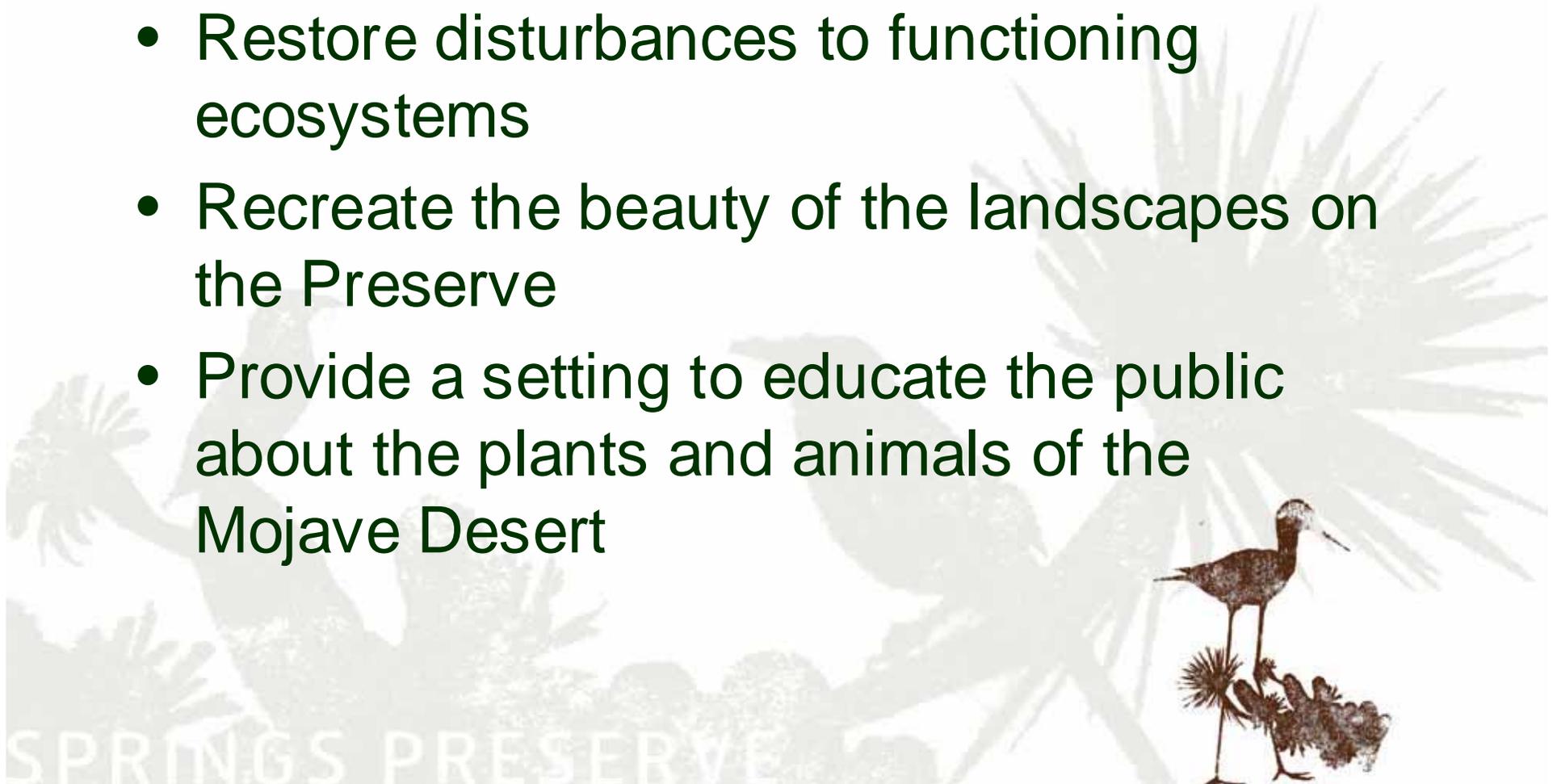
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# Reasons for Restoring Disturbances



- Restore disturbances to functioning ecosystems
- Recreate the beauty of the landscapes on the Preserve
- Provide a setting to educate the public about the plants and animals of the Mojave Desert





# Implementation of Ecological Restoration on the Springs Preserve

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# Identifying Areas That Need Restoration

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# Restoration Planning



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# Restoration Planning

- Cleanup
- Grading
- Topsoiling
- Relieving compaction
- Plant Material Procurement
- Revegetation
- Irrigation
- Monitoring





# Cleanup



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# Grading



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# Soil Importation





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# Relieving Soil Compaction



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# Plant Material Procurement

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# Seed Collection



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# Propagation



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# Plant Salvaging







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# Revegetation





# Seeding



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# Planting



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# Irrigation





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# Monitoring Success



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# Case Studies





# Restoration Site 13



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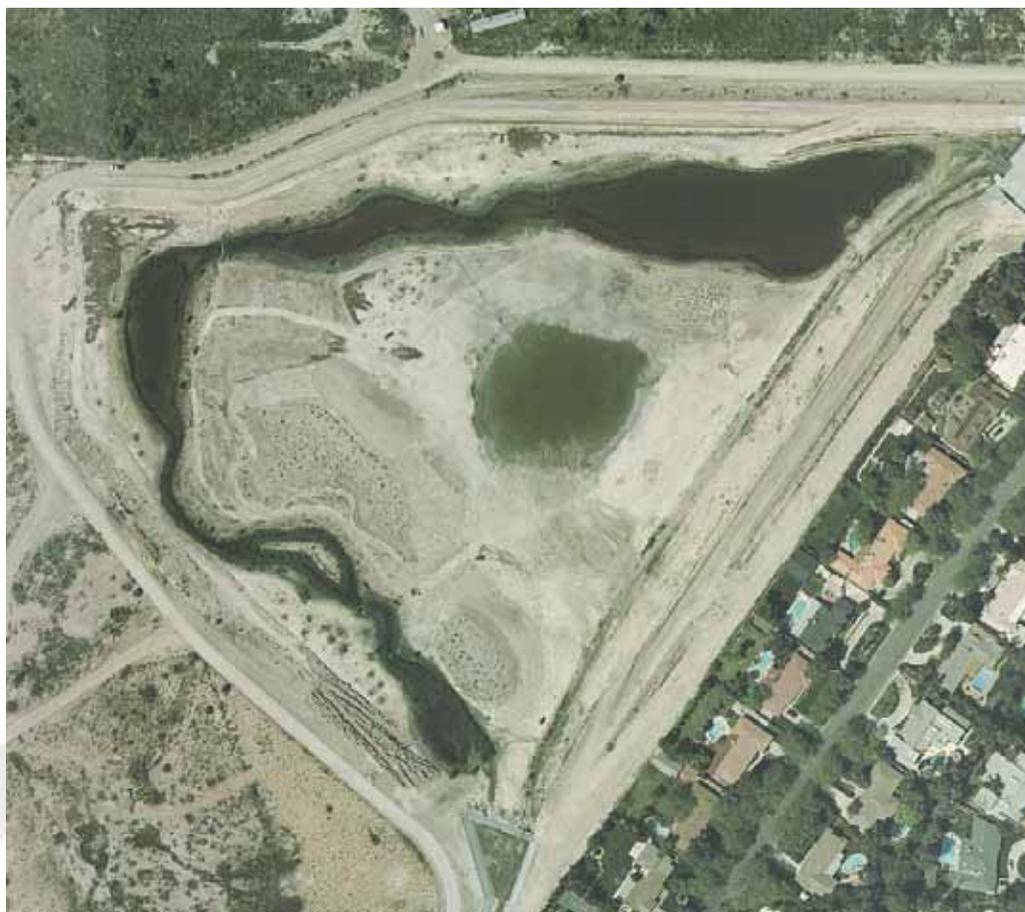


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# The Cienega



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**2003**

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2005





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2003



2005

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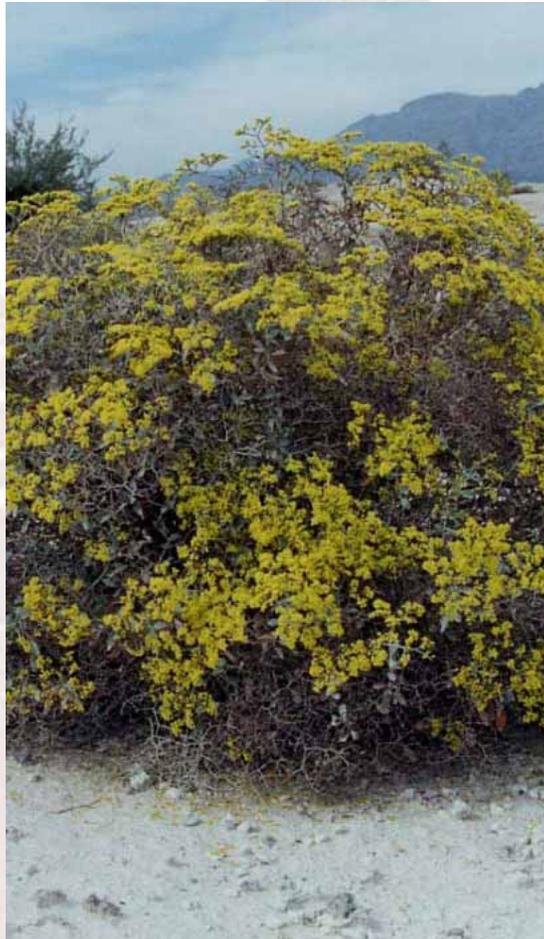




# Remnant Meadow



# Bearpoppy/Buckwheat Community





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# Trails Landscape



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# Plant Communities

- Joshua Tree
- Mojave Yucca
- Creosotebush-Bursage
- Blackbrush
- Saltbush
- Mesquite Bosque
- Cottonwood-Willow
- Las Vegas Buckwheat-Bearpoppy
- Meadow
- Dry Wash



# Joshua Tree



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# Mojave Yucca



# Creosotebush-Bursage



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# Mesquite Bosque



# Cottonwood-Willow



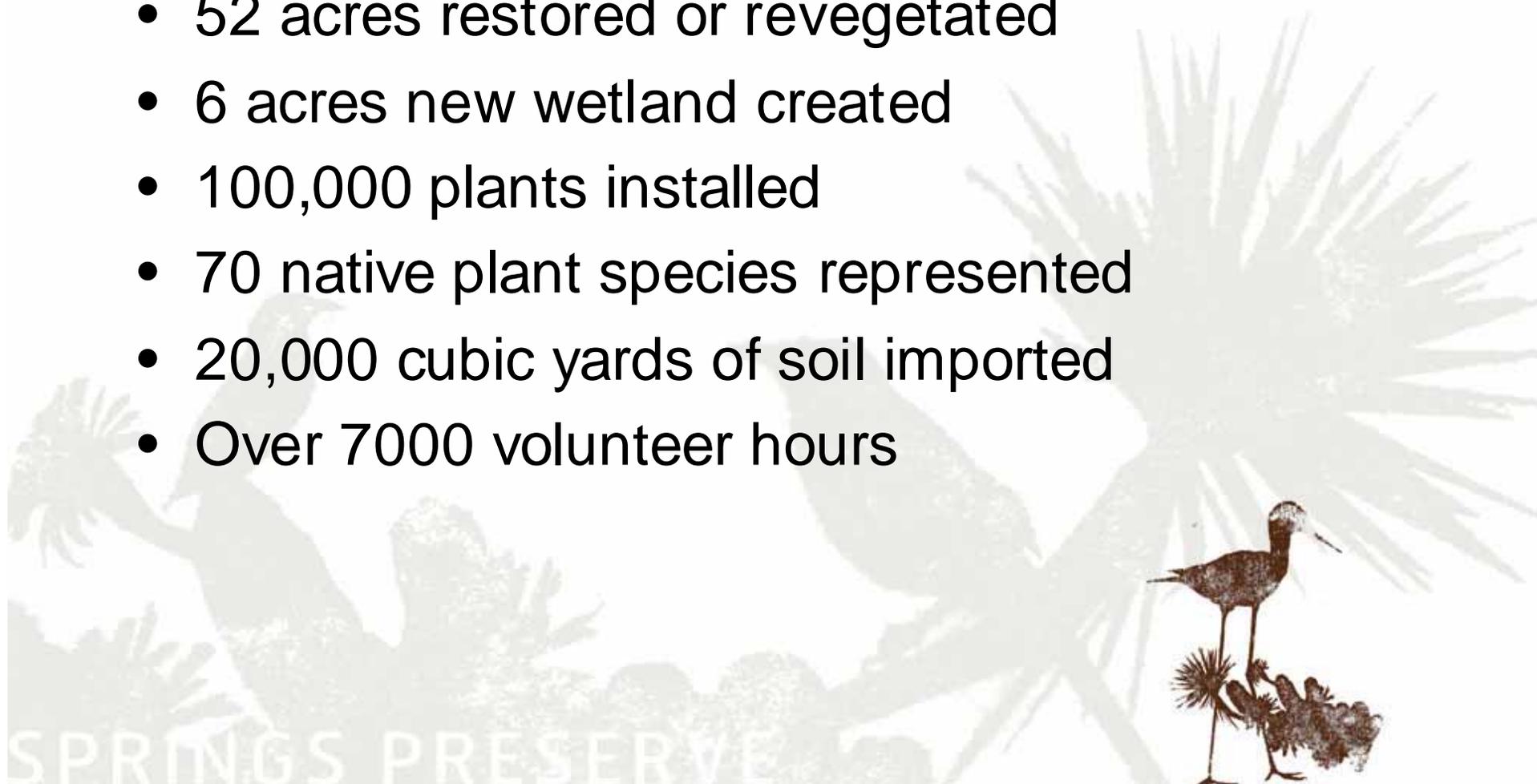
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# Restoration Program Facts

- 52 acres restored or revegetated
- 6 acres new wetland created
- 100,000 plants installed
- 70 native plant species represented
- 20,000 cubic yards of soil imported
- Over 7000 volunteer hours





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