Loma Alta Creel

Buena Vista Cr

Carlsbad Hydrologic Unit Invasive Plant Species Control Program



Carlsbad Hydrologic Unit 904.00





Carlsbad Watershed Network

- □ Agua Hedionda Lagoon Fdn.
- Batiquitos Lagoon Fdn.
- Buena Vista Lagoon Fdn.
- Canyons Network
- Cottonwood Creek Conservancy

- Escondido Creek Conservancy
- □ Friends of Hedionda Creek
- Preserve Calavera
- □ San Elijo Lagoon Conservancy

CWN Goals: The Carlsbad Watershed Management Plan

"To protect, restore and enhance the quality and beneficial uses of water, habitats, and other natural resources of the watersheds of the CHU and the adjacent coastal shoreline."

February, 2002



CWN Goals: Solving mutual problems

Control invasive species to restore and maintain a functioning ecosystem, improve water quality and reduce the threats of fire of and floods.



"Water is the one substance from which the earth can conceal nothing; it sucks out its innermost secrets and brings them to our very lips."

Jean Giraudoux (1882-1944), The Madwomen of Chaillot, 1946

CARLSBAD WATERSHED NETWORK SWRCB PROPOSITION 13 WATERSHED PROTECTION PROGRAM GRANT



Priority Target Species

- Giant reed (Arundo donax)
- □ Salt cedar (Tamarix sp.)
- Pampas grass (Cortaderia sp.)
- Vinca major
- Perennial pepperweed (Lepidium latifolium)
- Various palms



Outreach

PROJECT NIMBY (No Invasives in My Back Yard)

IdentifyRemove

Replant





Monitoring

Water Quality Components of CWN Monitoring Program

□ Hydrologic – Rain and Streamflow

Water Chemistry and Indicator Bacteria

Bioassessment



Habitat Restoration





Accomplishments Costco Open Space – Encinas WS

BEFORE (Fall 2004)





Accomplishments Harmony Grove – Escondido Creek WS

BEFORE (Winter 2004)





Accomplishments Loma Alta Creek WS

BEFORE (Spring 2004)





Accomplishments

Lake Drive, Encinitas – Escondido Creek WS

BEFORE (Spring 2003)





Accomplishments

Jesmond Dene – Reidy Creek/Escondido Creek WS

BEFORE (Spring 2003)





Accomplishments Pacific Ranch HOA – Escondido Creek WS

BEFORE (Fall 2003)





Accomplishments

- ✓ Mapped **560 acres** of invasive vegetation
- ✓ Treated and removed **280 acres** of invasive plants
- \checkmark Installed over 55,000 plants at selected sites
- \checkmark Installed six stream and rain gauges on five creeks
- √Made 22 presentations to the general public; 27 to local and state officials



Program Timeline: Major Grants



Challenges and lessons learned.





Accomplishme nts

- Over 3,000 acres
 mapped
- Treated over **800** acres
- Obtained ROE on over 3,000 parcels
- Contacted over 35,000 community members





CHU Invasive Plant Species Control Program

Program Partners

- □ ACS Habitat Management
- CA Dept. of Fish & Wildlife
- □ CA Dept. of Parks & Recreation
- Dendra, Inc.
- Mission RCD

Key Sponsors

CA SWRCB

U WCB

- San Diego Assn. of Govts.(SANDAG)
- □ NRCS
- USFWS

Challenges and lessons learned

Continue to refine project public engagement

Reset planning for resiliency: climate change and specialstatus species

Project management: it takes a village...aligning multiple projects with organizational goals



Accomplishments San Elijo Lagoon West Basin Dunes

BEFORE (2011)



AFTER (2015)



What the future holds







Carlsbad Del Mar Encinitas Escondido Oceanside Poway San Diego County City of San Diego City of San Diego San Marcos Solana Beach Vista

Thank you from the SELC!

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