



# Palos Verdes Peninsula Land Conservancy AND California State University, Dominguez Hills — Earth Science Club



*Working together to re-establish the native habitat for the Palos Verdes Blue Butterfly*

*Linden H. Chandler Preserve, Rolling Hills, California*

## Palos Verdes Blue Butterfly:

- Endangered species (1980)
- Captive rearing program
  - San Pedro: primary site
  - Moorpark College: secondary site
- Host plants – locoweed and deerweed
- Adults live ~10 days – mate and lay eggs
- Eggs oviposited on flowers of host plants
- Larvae hatch ~10 days – eat plants ~month
- Larvae seek shelter (base of plant) to pupate
- One generation per year
- Wing color difference in adults
  - Males: iridescent blue
  - Females: charcoal gray



**Deerweed**  
*Lotus scoparius*



**Locoweed**  
*Astragalus trichopodus*

## Student Responsibilities:

- Meet with PVPLC staff for plot specifics
- Grow host plants at nursery
- Deliver plants from nursery to plot
- Pickup and deliver tools
- Turn soil, fill trenches, remove debris
- Repair weathered/broken fences
- Create marketing signs
- Irrigate host plants (manually)
- Eradicate weeds and non-natives
- Rodent analysis and removal

*George's Home*



**George the Gopher**  
*Resident of  
Linden H. Chandler Preserve*



## Other Related Projects:

- GIS mapping
  - Plant location
  - Gopher destruction
- Research different watering techniques
- Research native plants and their benefits



## July 2012

*Ri, Rogelo, Daniel & John*  
CSUDH Students



**Jenny Greer**  
CSUDH Student

## February 2013



**Judy King**  
CSUDH Professor



**Kelley Dawlkey**  
CSUDH Grad Student



## April 2013



**Butterfly  
Release  
Party**

