Multiple Species Conservation Program

QUINO ADDITION
to the
MSCP – South County Subarea Plan

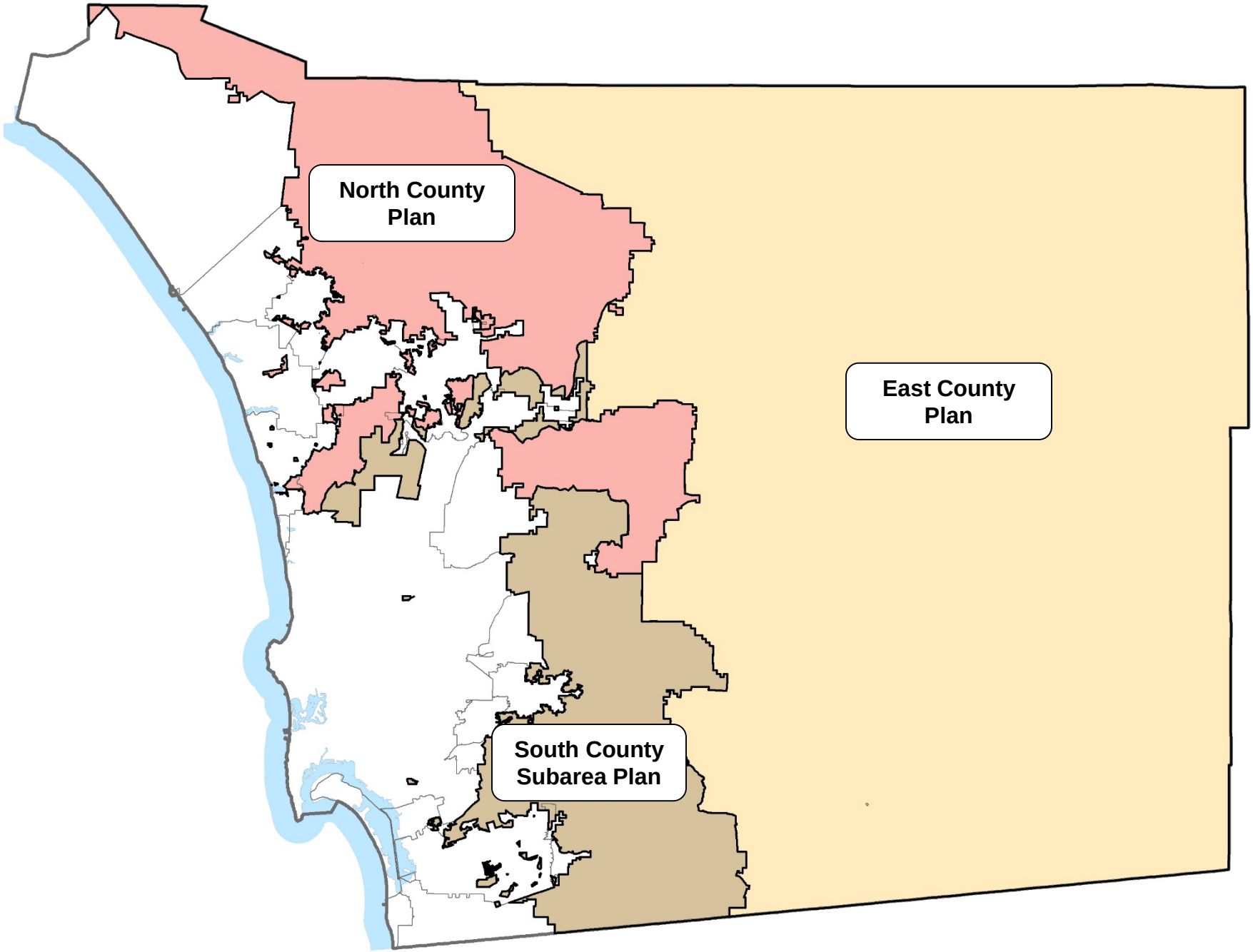
Workshop

Agenda

- Overview of the MSCP
- Overview of the Quino Checkerspot Butterfly
- Quino Addition
- Elements of the Quino Addition
  - Conservation Analysis
  - Conservation Strategy
  - Implementing Tools
- Schedule

Overview of the MSCP

- MSCP: Multiple Species Conservation Program
- Balances economic growth and biological conservation
- Covered Species
- Incidental Take Permit

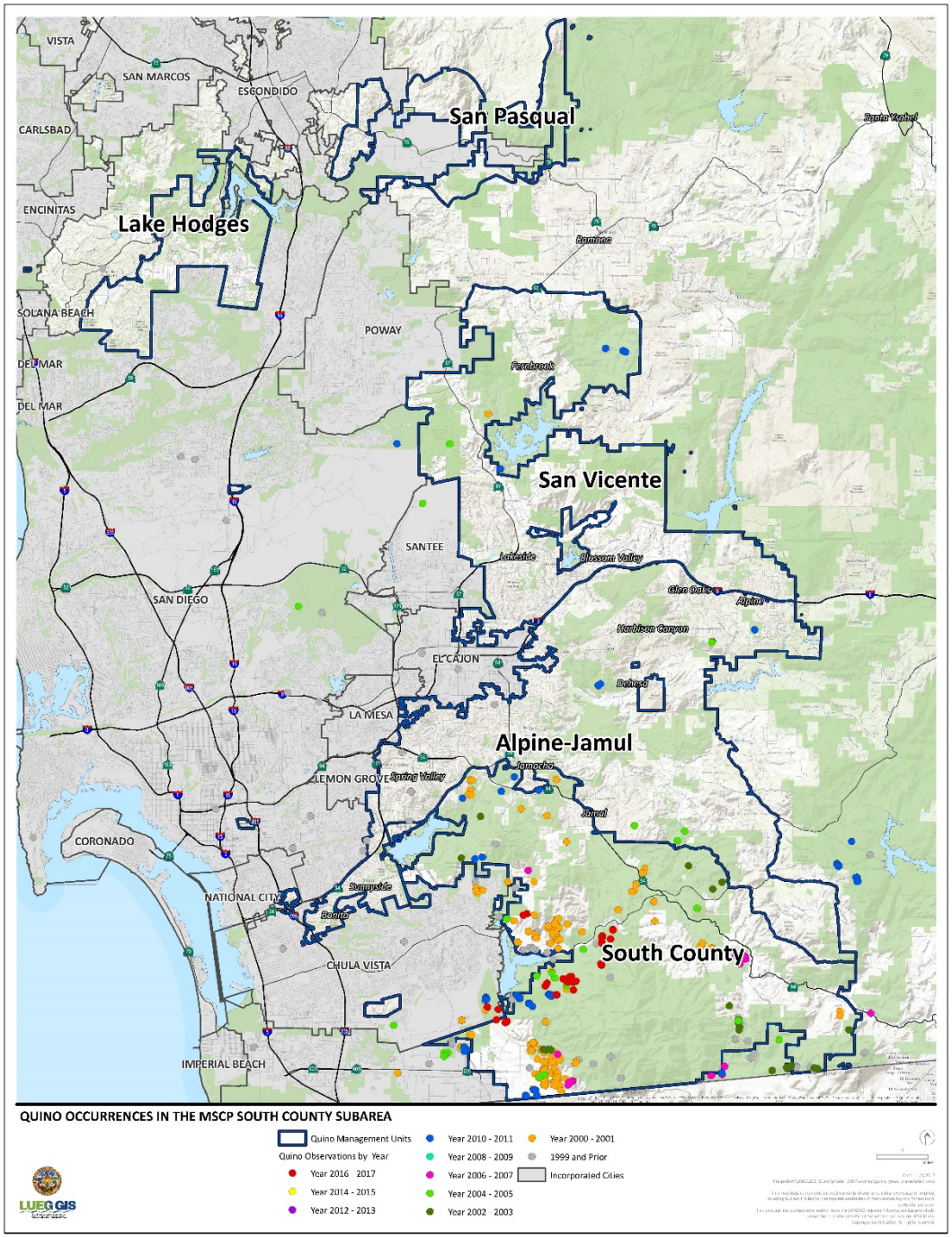

North County Plan
East County Plan
South County Subarea Plan

Quino checkerspot butterfly

- Habitat:
  - Scrub
  - Chaparral
  - Grassland
- Host Plants:
  - Dwarf plantain
  - Coulter's snapdragon
  - Purple owl's clover

Quino Addition

- 1997: Quino listed as federally endangered
- 1998: MSCP – South County Subarea Plan permitted



Questions?

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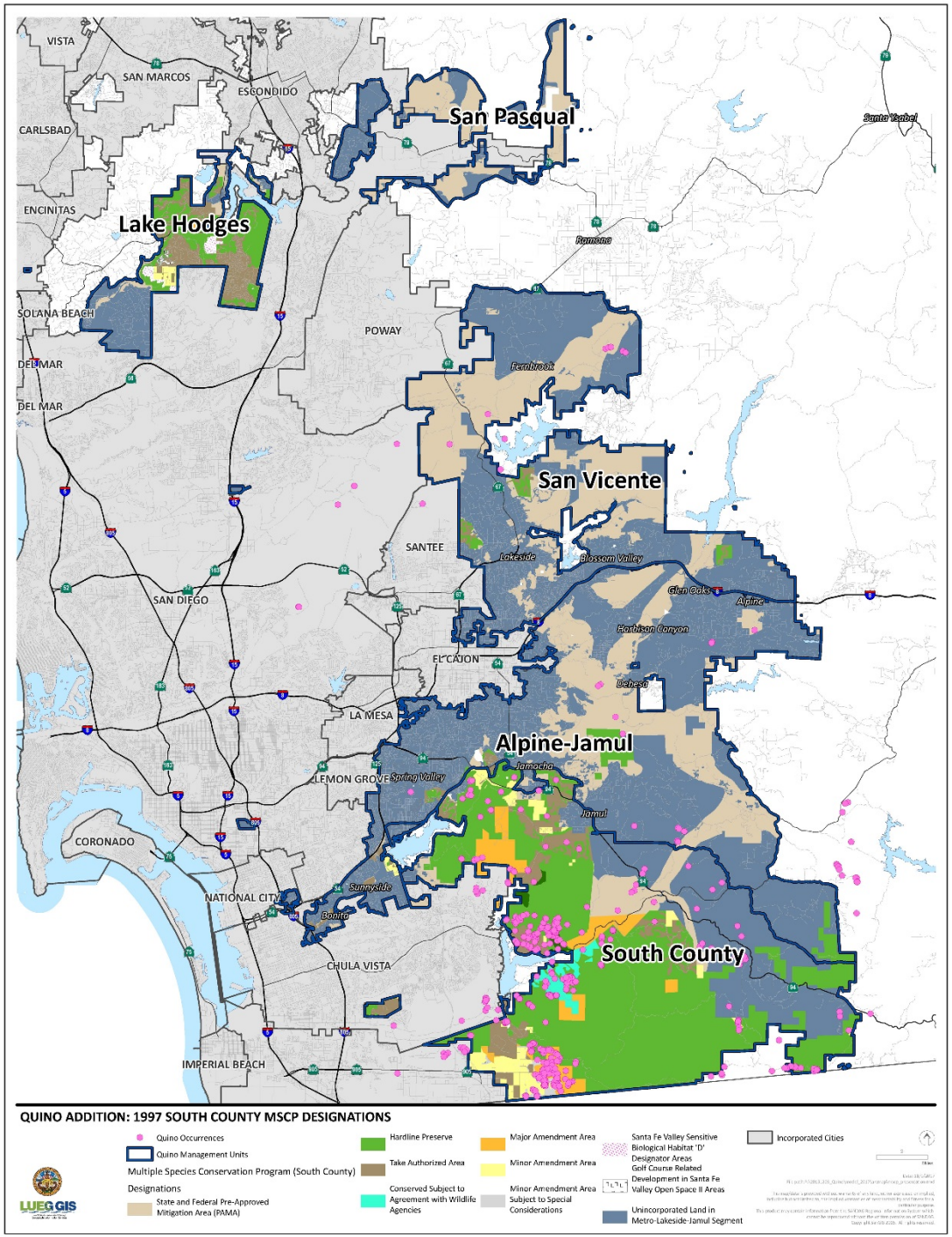
Elements of the Quino Addition

Quino Addition to the South County Subarea Plan

- Conservation Analysis
- Conservation Strategy
  - Goals and Objectives
- Monitoring and Management
- Implementing Tools
  - Biological Mitigation Ordinance
  - Funding for Implementation

Conservation Analysis

- Quino Population Status and Trends
  - Quino Occurrences
- Quino Habitat
  - Quino Occurrences
  - Current Vegetation
  - Potential Quino Habitat Model
  - Preserve Areas
- Expected Impacts
  - Planned Development
  - Future Development


VISTA
SAN MARCOS
ESCONDIDO
CARLSBAD
ENCINITAS
SOLANA BEACH
DEL MAR
POWAY
SANTEE
SAN DIEGO
EL CAJON
LA MESA
LEMON GROVE
CORONADO
NATIONAL CITY
CHULA VISTA
IMPERIAL BEACH
San Pasqual
Lake Hodges
San Vicente
Alpine-Jamul
South County
Santa Ysabel
Ramona
Fernbrook
Lakeside
Blossom Valley
Glen Oaks
Alpine
Harbison Canyon
Dehesa
Jamacha
Spring Valley
Jamul
Sunnyside
Bonita
QUINO ADDITION: 1997 SOUTH COUNTY MSCP DESIGNATIONS
Quino Occurrences
Quino Management Units
Multiple Species Conservation Program (South County) Designations
State and Federal Pre-Approved Mitigation Area (PAMA)
Hardline Preserve
Take Authorized Area
Conserved Subject to Agreement with Wildlife Agencies
Major Amendment Area
Minor Amendment Area
Minor Amendment Area Subject to Special Considerations
Santa Fe Valley Sensitive Biological Habitat 'D' Designator Areas
Golf Course Related Development in Santa Fe Valley Open Space II Areas
Unincorporated Land in Metro-Lakeside-Jamul Segment
Incorporated Cities
LUEG GIS

Conservation Strategy

Goals

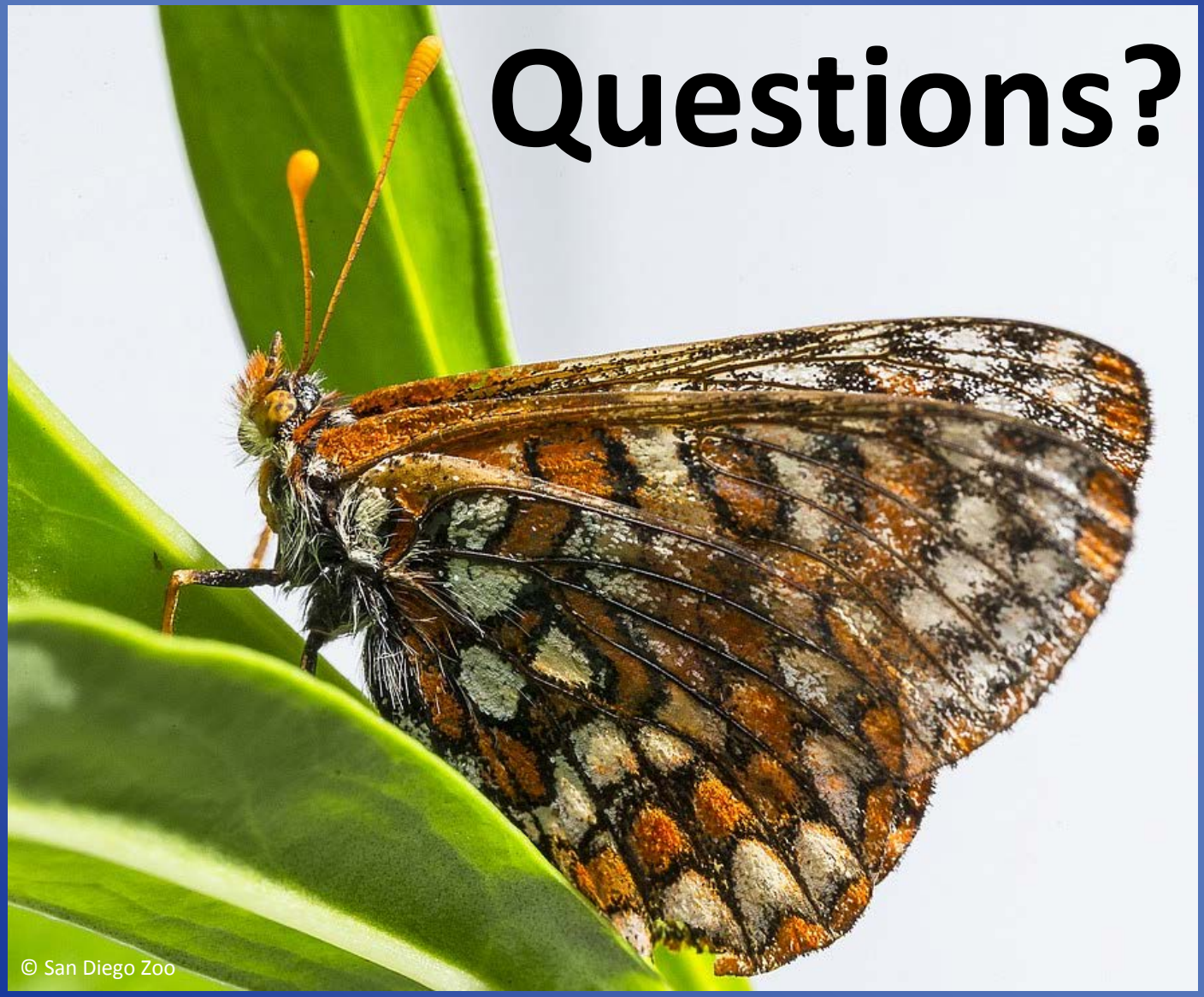
- Key Subject of Concern
  - Quino Checkerspot Butterfly
- Attribute of Interest
  - Example: Population Levels, Population Status
- Target or Condition for the Attribute
  - Example: Resilience, Historic Range
- Action to Achieve the Target
  - Example: Restore or Maintain

Conservation Strategy

Objectives

- Specific
- Measurable
- Achievable
- Result-oriented
- Time-fixed

Questions?



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Monitoring

Monitoring types

- Baseline surveys
- Long-term Quino and Quino habitat monitoring

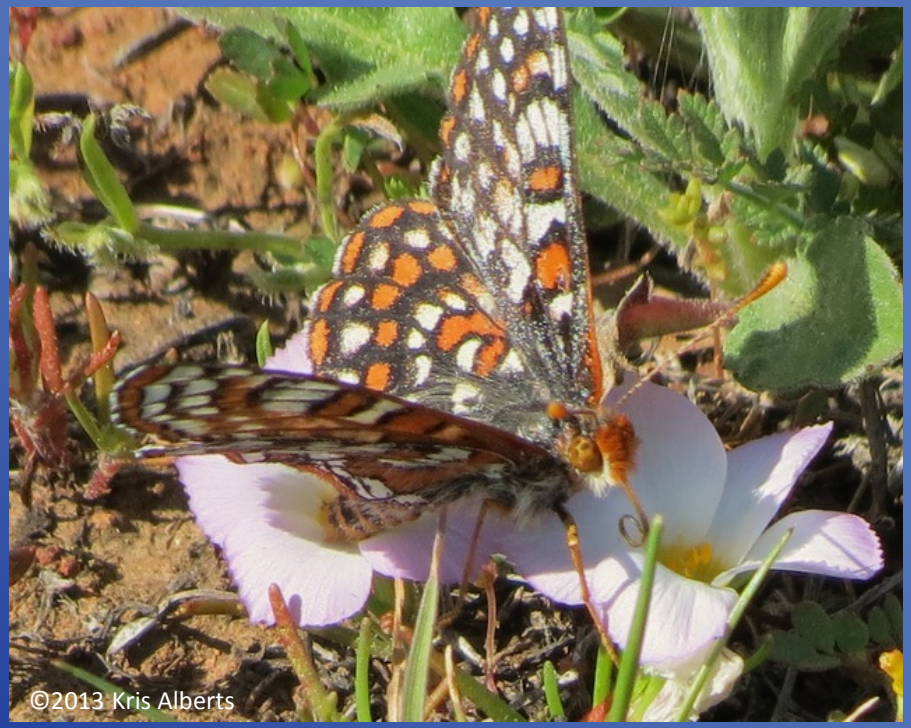
Management

- Maintain and enhance Quino habitat
  1. Identify areas to be restored based on monitoring data
  2. Focused habitat restoration
- Adaptive Management:
  - A strategy for addressing uncertainty associated with a conservation program, particularly uncertainty that poses a significant risk to the covered species

Implementing Tools

Biological Mitigation Ordinance (BMO)

- Guides mitigation
- Establishes preserve design criteria



Implementing Tools

Funding for Implementation

- One-time Implementation Costs
  - Land Acquisition
  - Baseline Surveys
  - Resource Management Plans
- Recurring Costs
  - Resource Management Plans
  - Preserve Management
  - Ongoing Stewardship
  - Biological Monitoring
  - Biological Management

Schedule for the Quino Addition

Component	Currently Anticipated Timing
Stakeholder Outreach	2017
Public Draft Release of the Quino Addition	2018
Preparation and Public Release of the Environmental Document	2018-2020
Finalize the Quino Addition and the Environmental Document	2020-2021
Board of Supervisors Consider Adoption	2021
Final Permitting	2021

Hermes Copper Butterfly

- Narrow endemic species
- Candidate for federally listing
- County is considering conservation options

To Summarize

- Multiple Species Conservation Program (MSCP)
- South County Subarea Plan
- Federally endangered Quino checkerspot butterfly
- Quino Addition to the South County Subarea Plan

Questions?
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