

# Ohlone Tiger Beetle Recovery Workshop

Grey Hayes, PhD  
Coordinator

Elkhorn Slough Coastal Training Program



## Tiger Beetle Life Cycle

- An egg, and then 3 instars
- 1<sup>st</sup>: 1.7mm wide, 4.6 cm deep; beginning in Feb, continuing through summer
  - 2<sup>nd</sup>: 2.9mm wide, 5.9 cm deep; Mar, continuing through summer
  - 3<sup>rd</sup>: 4.6mm wide, 8.2 cm deep; early summer, complete development during 2<sup>nd</sup> spring and emerge the following year

Adult-Adult typically in 2 years

Can happen in 1 -3 years, depending...





# Recovery Workshop Goal

To More Clearly Understand

The Necessary Actions

&

Agents Responsible for Those Actions

In order to Delist the Species

# Workshop Goals

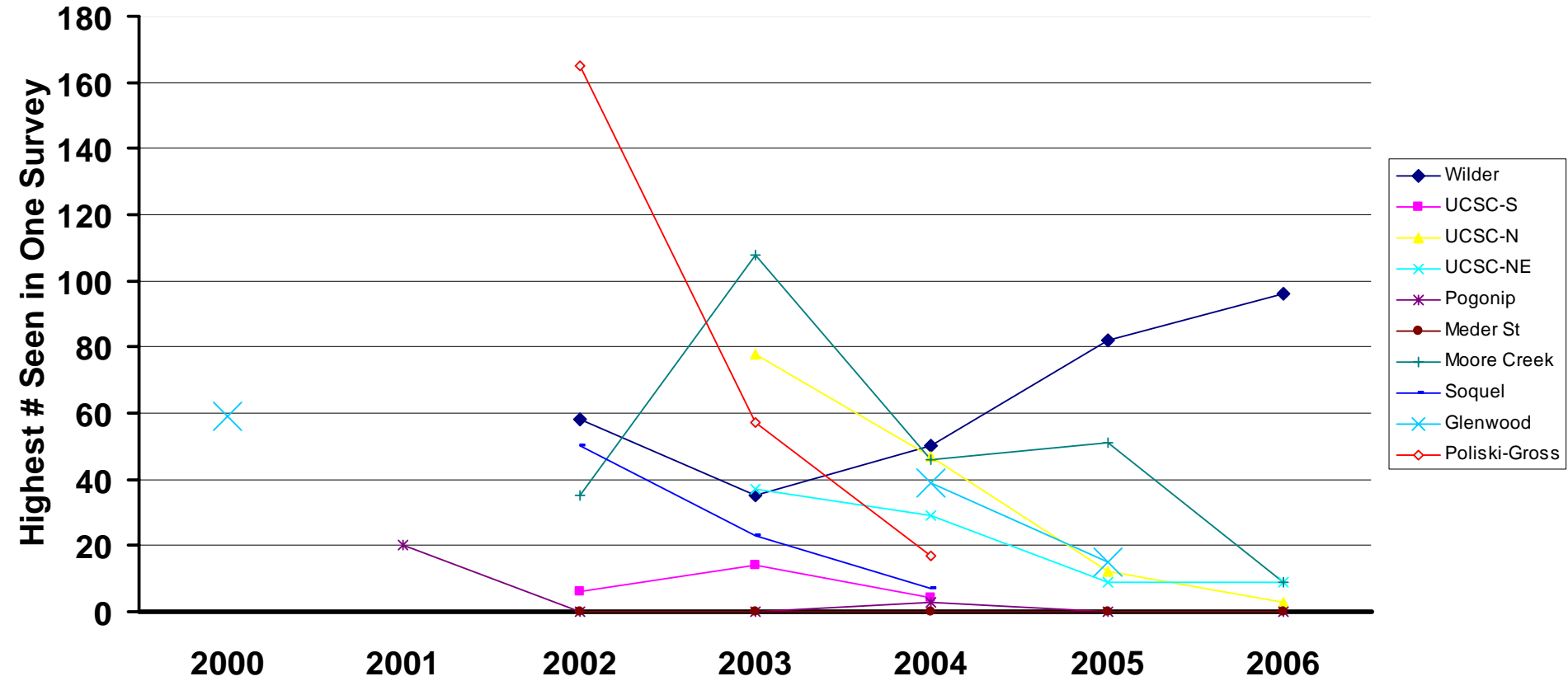
- Agree upon agenda
- Better understand population trends
- General sense of management actions and concerns
- Understand and discuss proposed research
- Agree upon reporting methodology
- Prioritize research topics
- Better understand management trends and priorities for future management
- Better understanding of regulatory framework
- Prioritize next steps

Overall trend: the Ohlone tiger beetle has declined precipitously in recent years

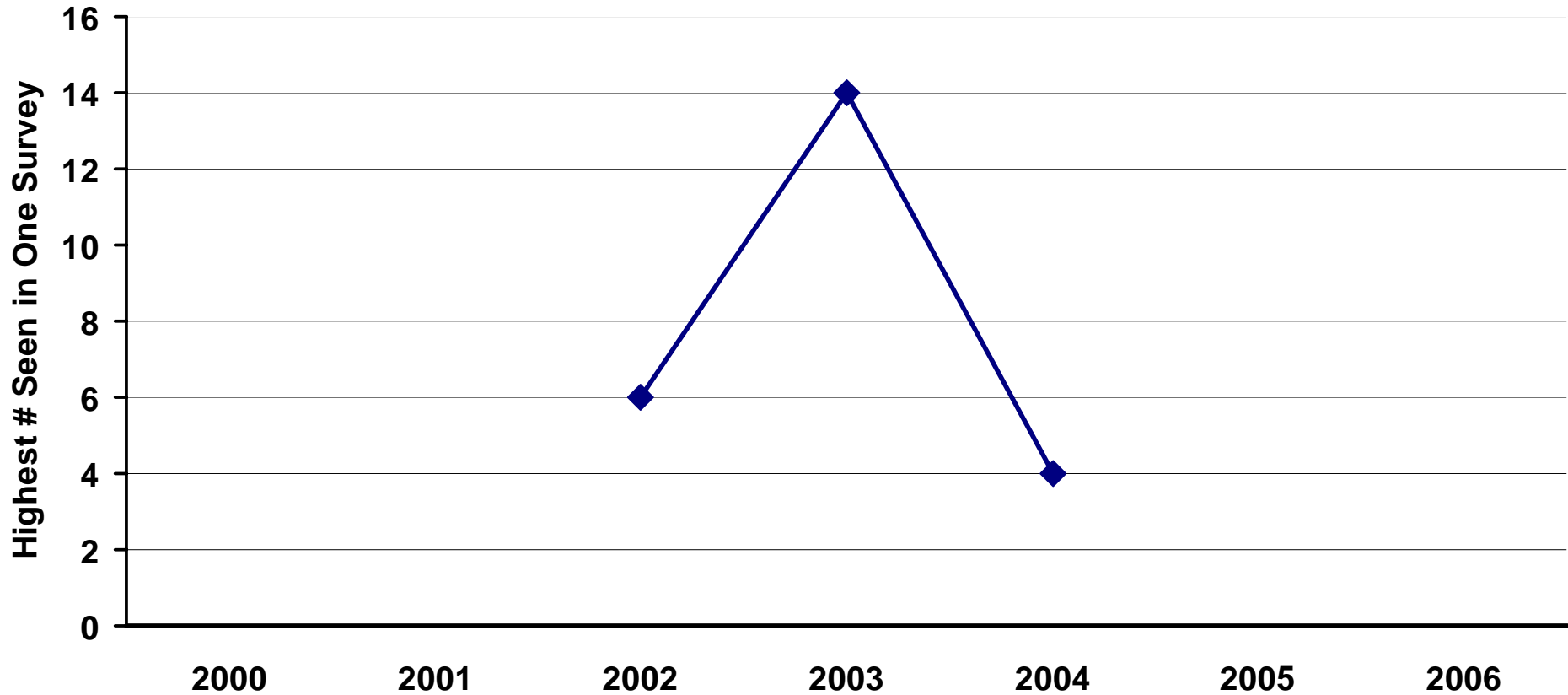
# General trends with OTB

- 1 population and 1 subpopulation potentially lost
  - Pogonip (last seen in 2004)
  - Meder Street (last seen in ?)
- Only 1 population improving
  - Wilder Ranch State Park
- 3 populations with active management but declining
  - Moore Creek (City Parks)
  - UCSC
  - Glenwood (WRA)
- 1 population without active management, declining
  - Soquel

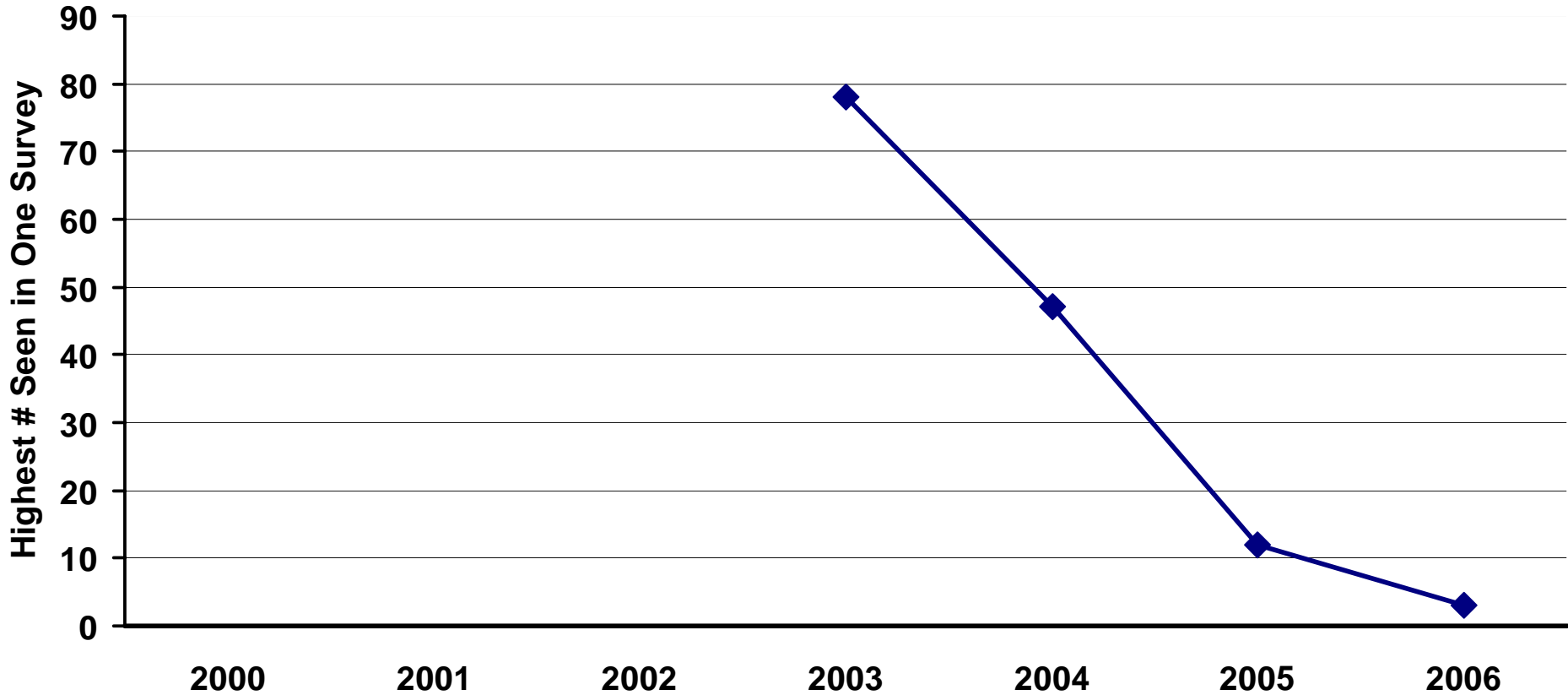
# All Reported Ohlone Tiger Beetle Populations



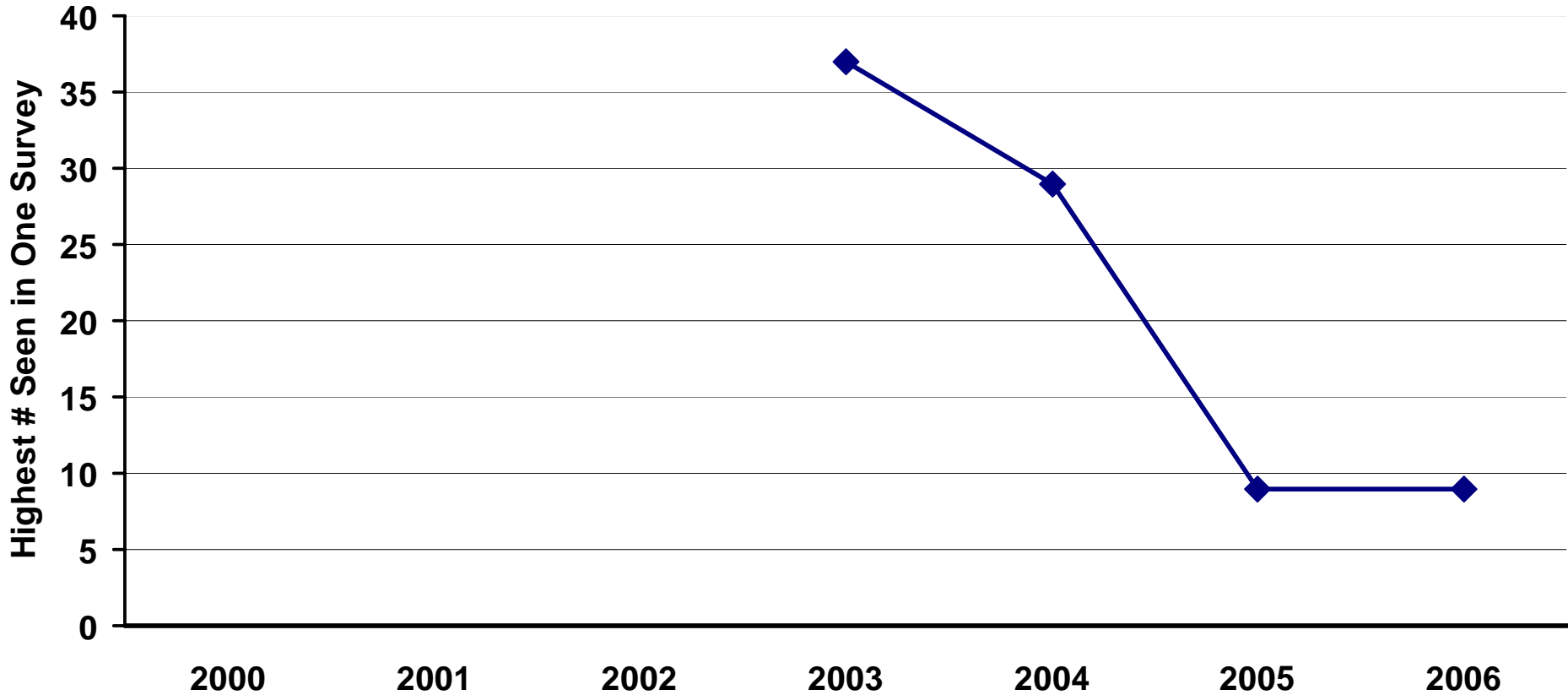
# UCSC Inclusion Area A



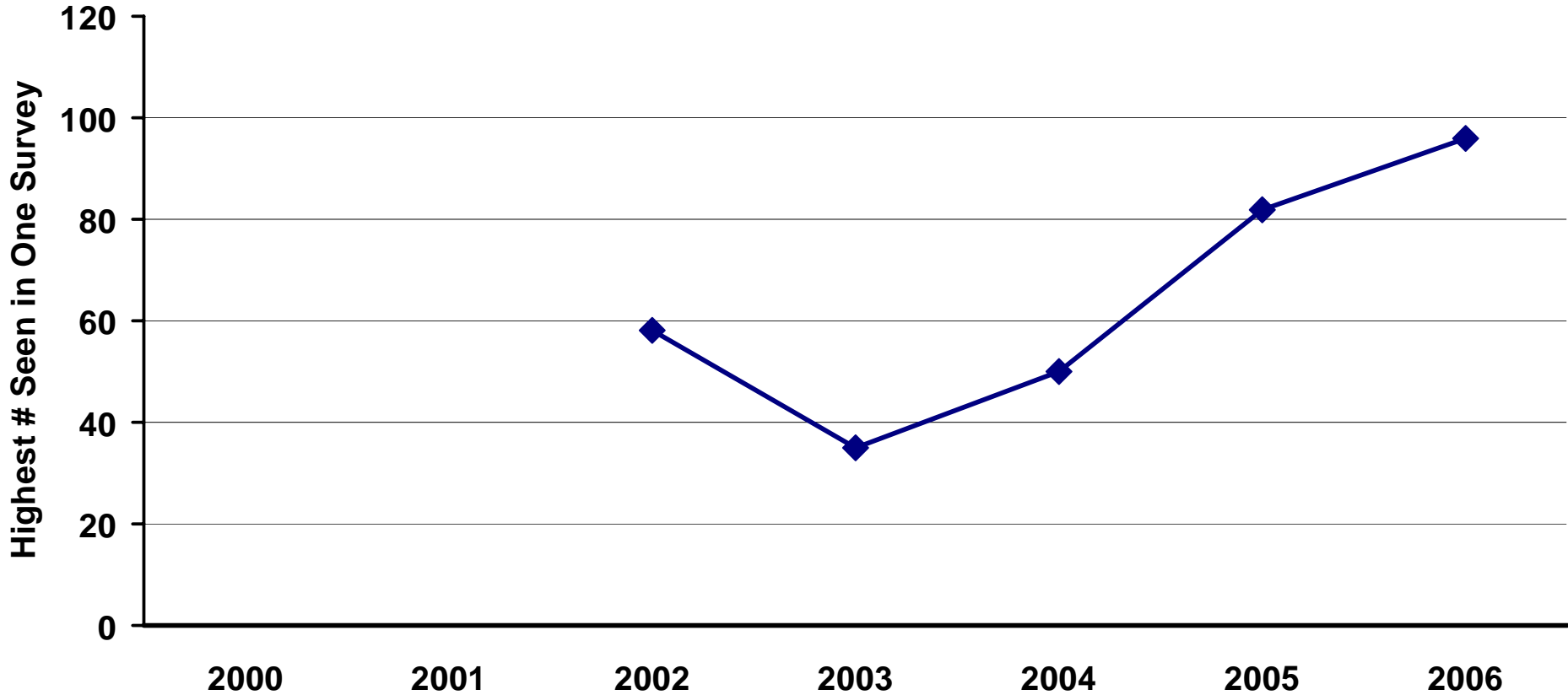
# UCSC Marshall Field Large Western Meadow



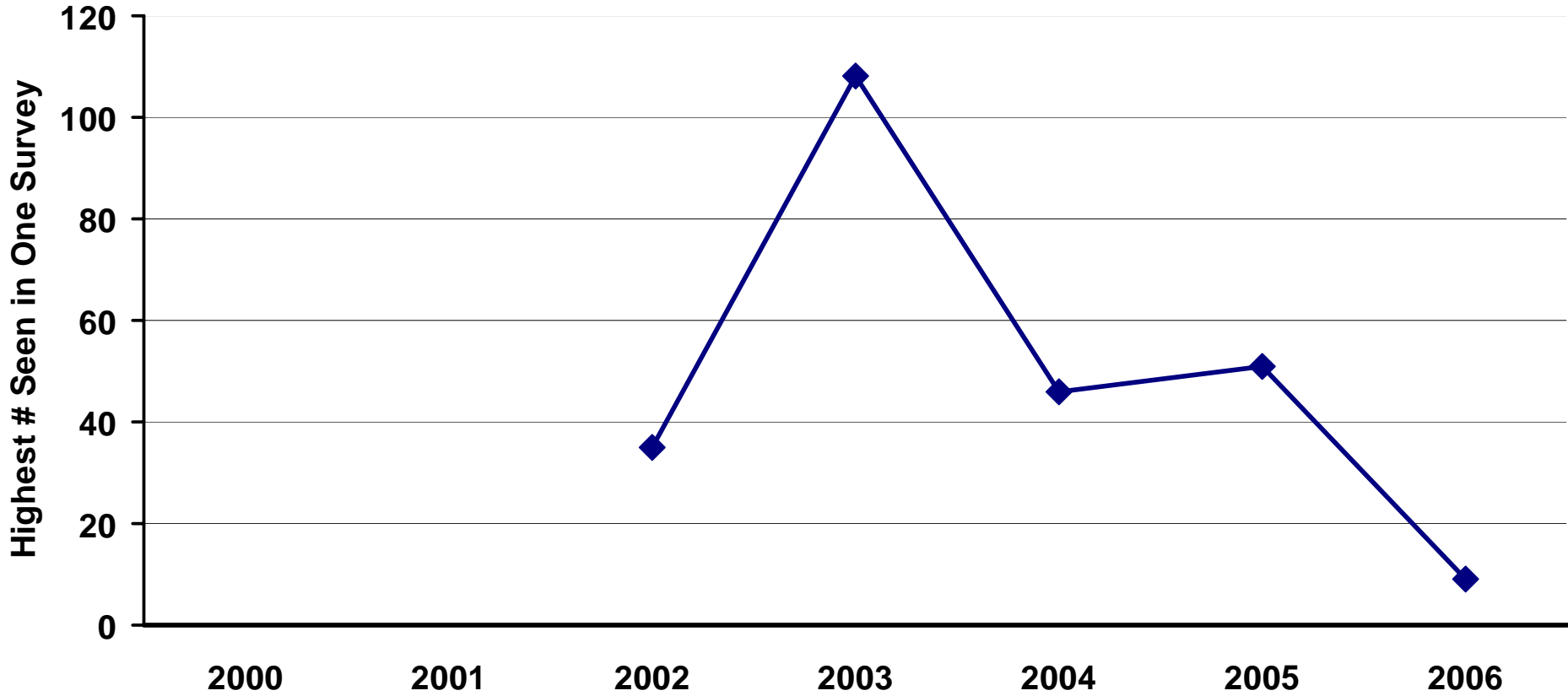
# UCSC Marshall Field Back Meadow



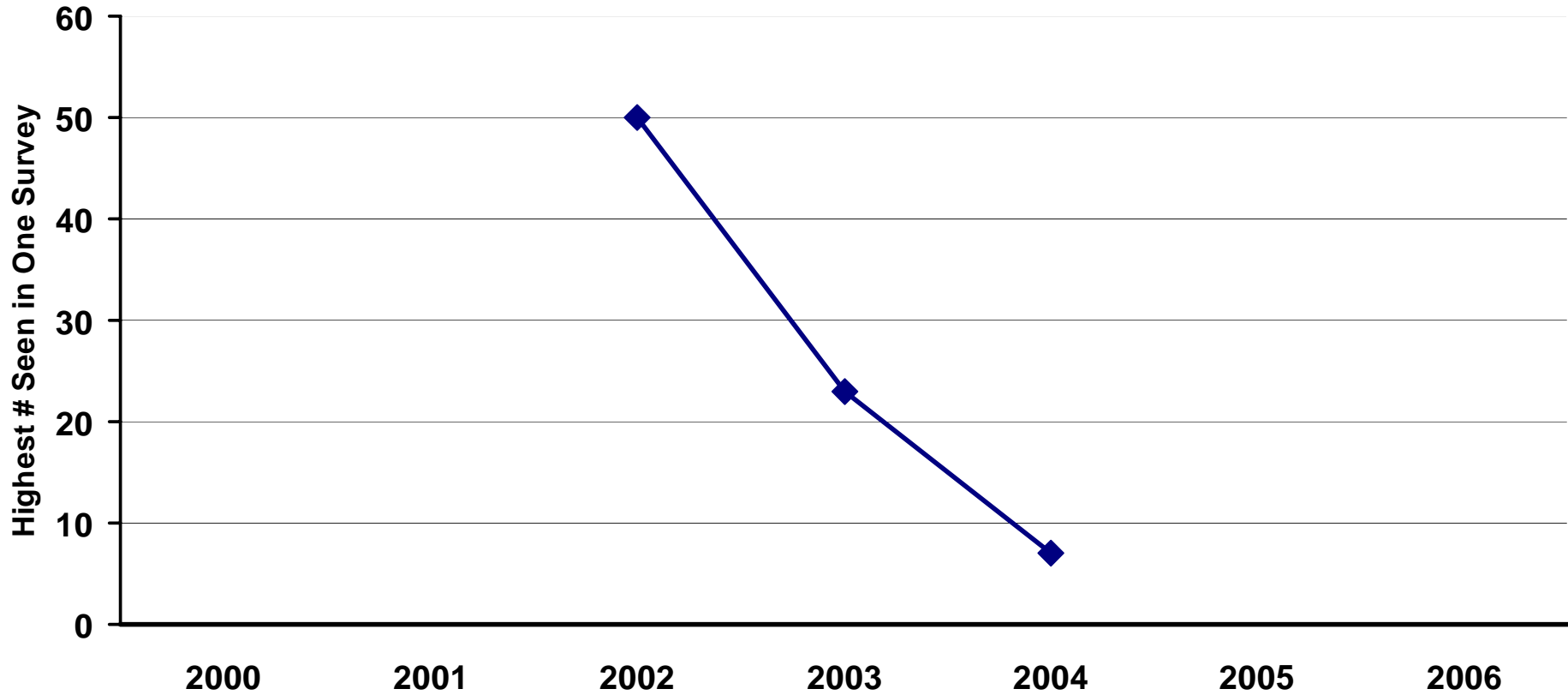
# Wilder Ranch State Park



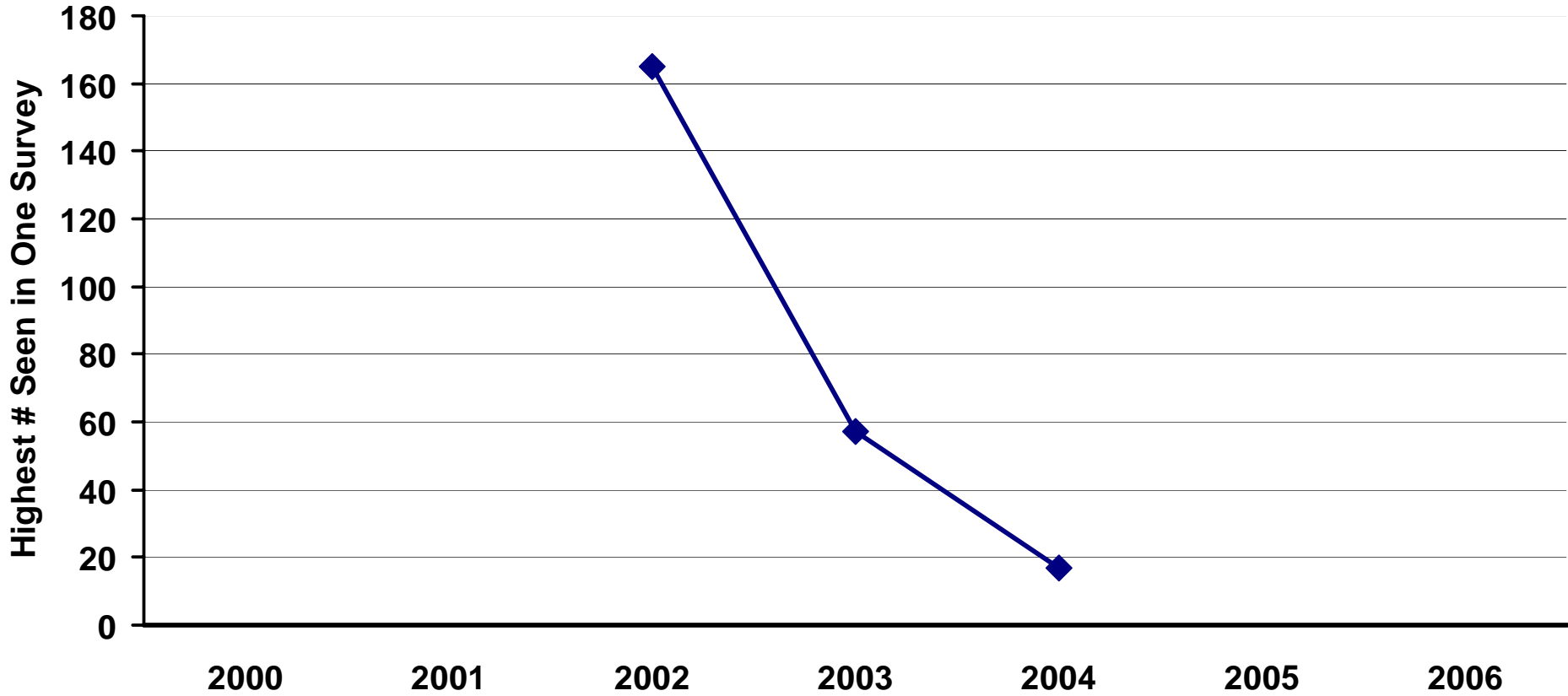
# Moore Creek



# Soquel



# Poliski-Gross



# All Reported Ohlone Tiger Beetle Populations

