

Long-term, Single-Site, Charismatic Bird **Species Monitoring** with Stable Staffing in an Environmentally Liberal Region – Volunteers & the **GGRO** 

Allen M Fish & Buzz C Hull & 2200 citizen scientists

PPSR – UC Davis 2013



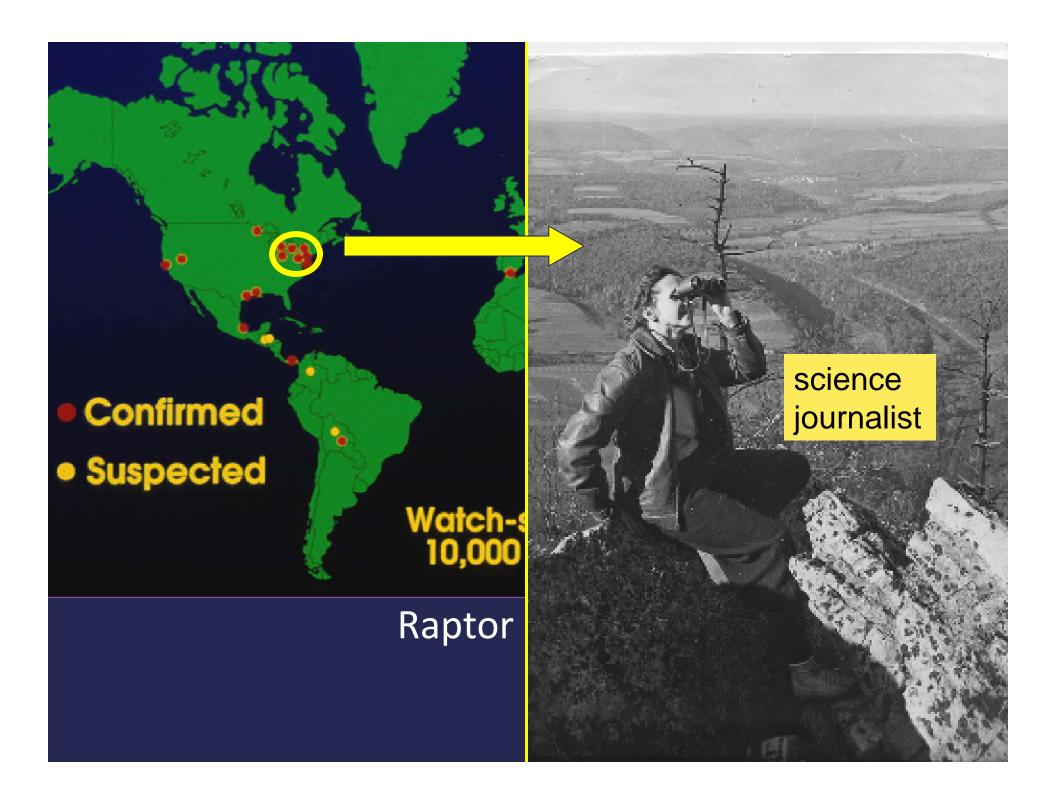
## GGRO is a program of the Golden Gate National Parks Conservancy

in cooperation with the National Park Service.

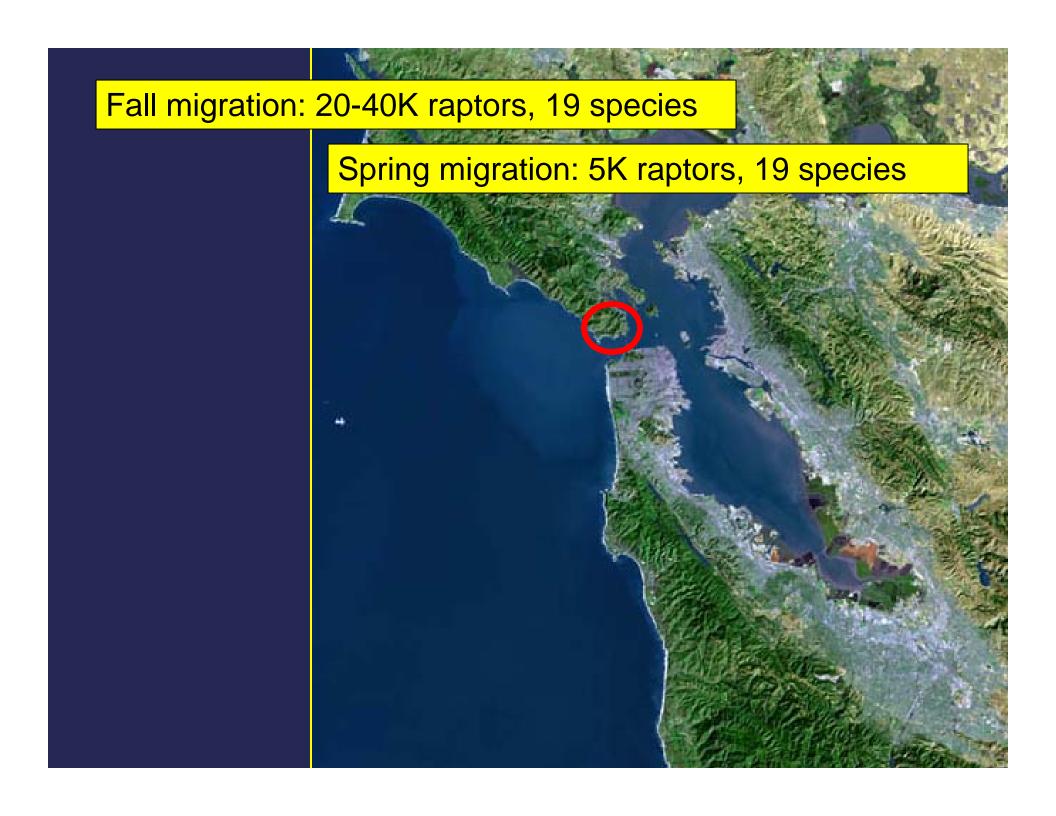


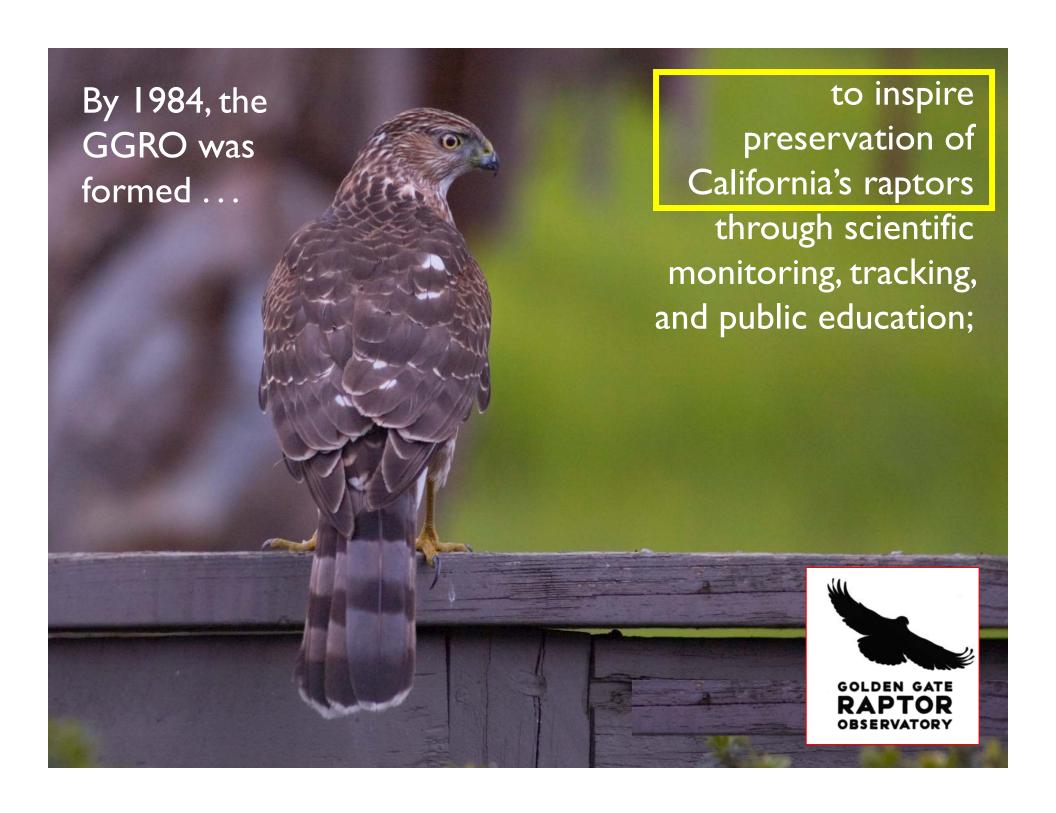


SOLDEN GATE NATIONAL PARKS CONSERVANCY











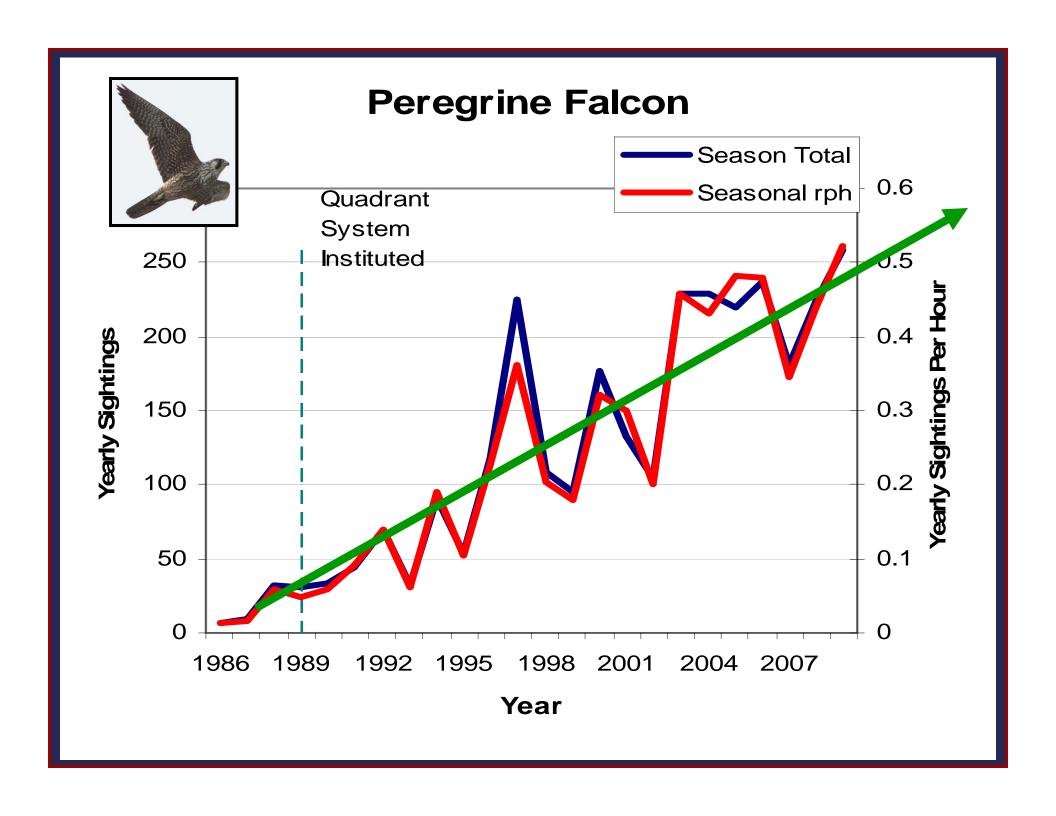




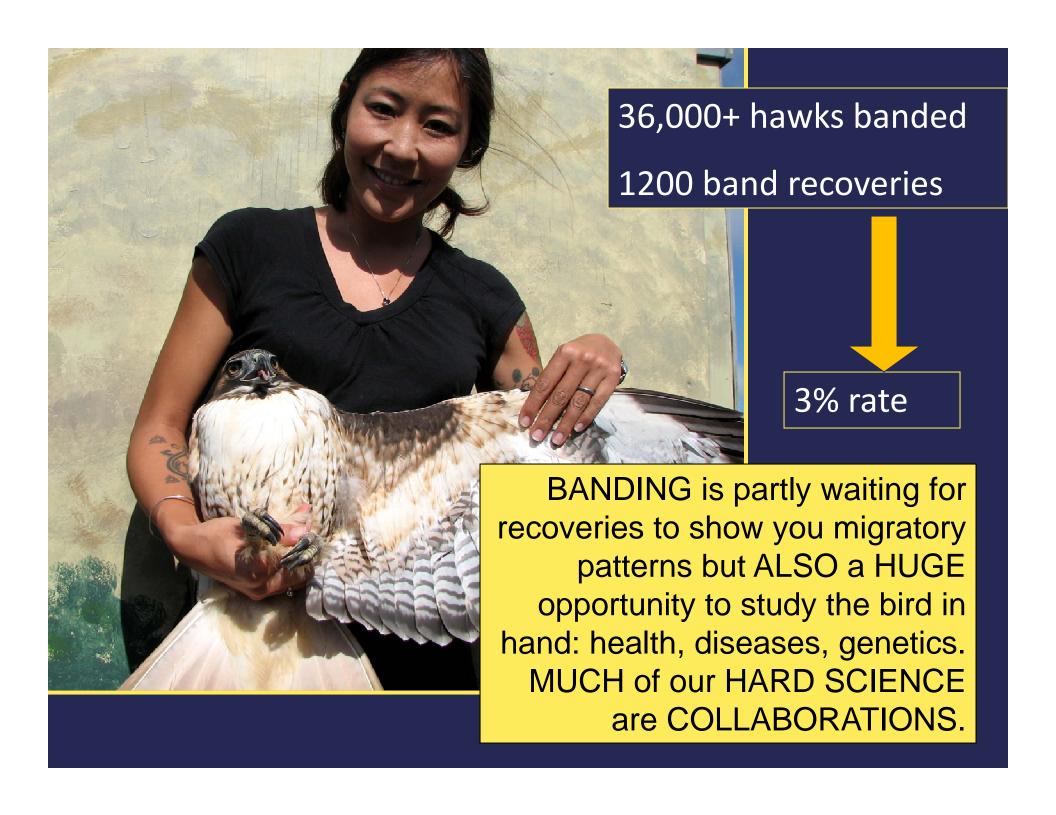
- Hawk counting
- Banding
- Radio-tracking
- Nest monitoring
- Cell-phone/GPS tracking
- Specialized research

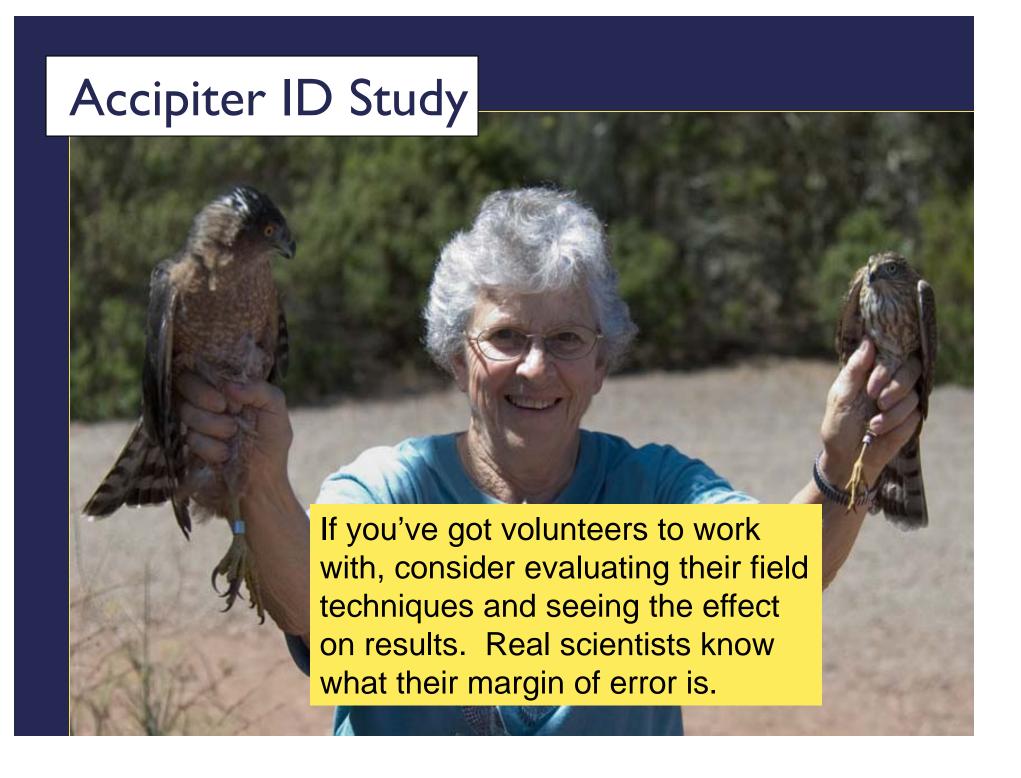


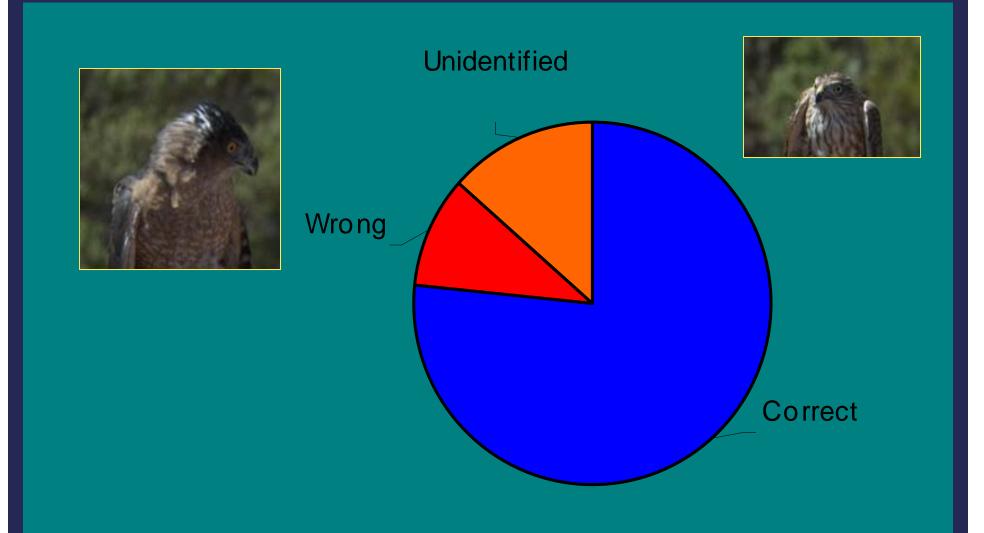




Banding



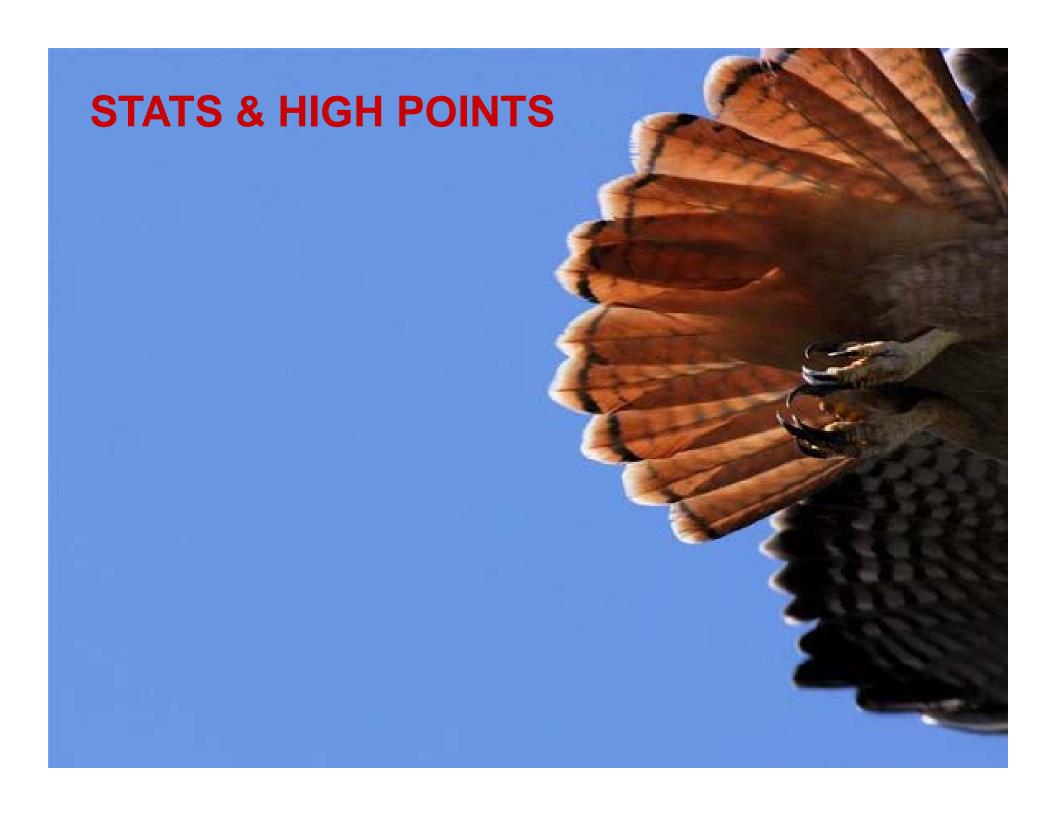




Accipiter Identification 1994-2003

N = 1018

**VOLUNTEER STRUCTURE**  Daily data collection, Aug-Dec • 1 LONG day every other week 1 class of vols each year April-May: Recruitment June: Interview & notify July-Aug: Trainings 2-year apprentice; no guarantee about being invited back Heavily dependent on volunteer MIDDLE MGMT – Dayleader system.



More than 2200 vols in 30 years

44,000 vol hours annually

Annual retention 75-80%

• 30% are 10-years+

56% women, more in banding

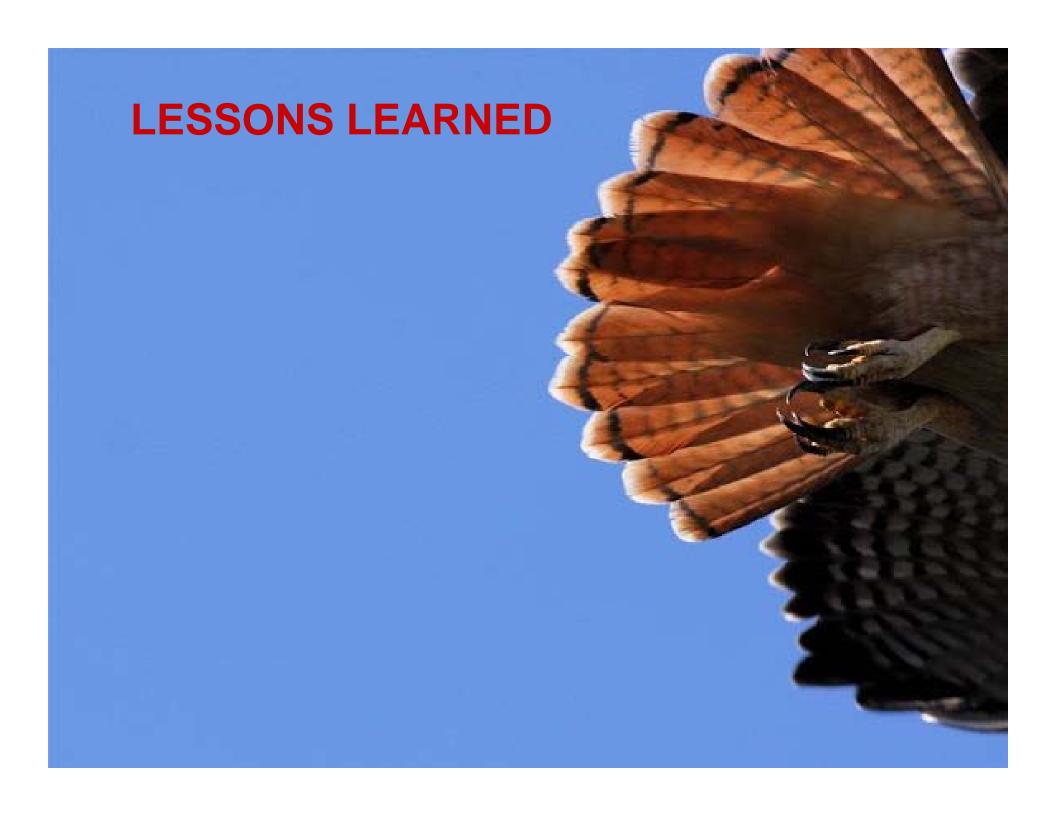
 85+ scientific presentations & publications

•10K visitors/yr; 90 classes/yr

 Other scientific & conservation impacts: collaborations; agency consultations, conservation campaigns, college classes

WE ARE a nexus of raptor obsession





 Not all programs get equal staff time; we get stretched – but be clear what your baseline operations are

Volunteer contract that includes job description & at-will closure

Constantly data-check

Keep data collection simple

Deadwood (1 in 20); Vols from Hell (1 in 500)

No-shows (2 times & you're out)

Don't chase volunteers

Engage college interns



## **MORE LESSONS**

 Twice annual newsletters to donors, colleagues, professionals in the field, etc. Make it professional & GIVE it AWAY.

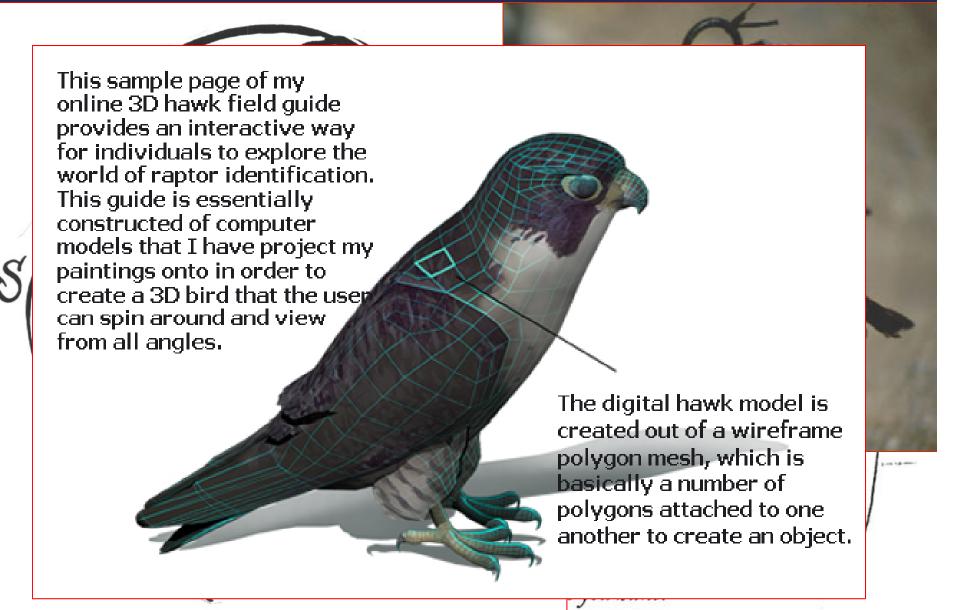
 Monthly newsletters or communications to volunteers.

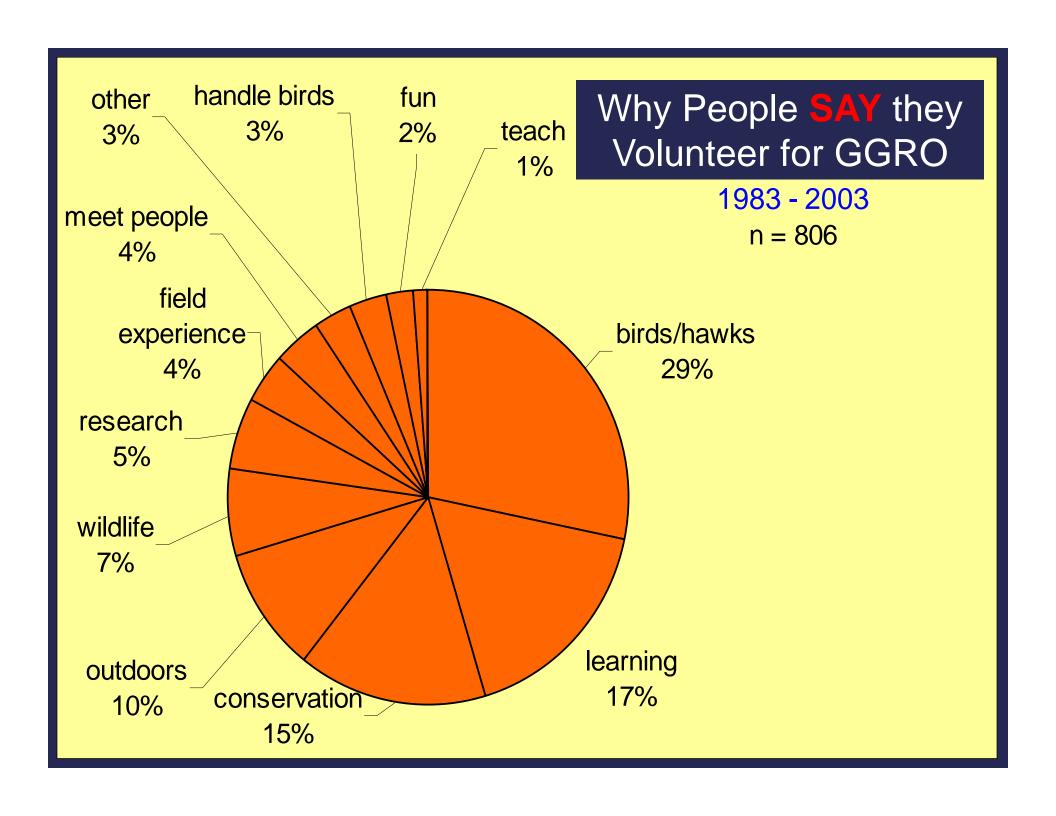
• Whose interest is being served? Both. A good match means that this COLLISION of INTERESTS is compatible. If not, fire the vol.

•Vols are NOT cheap labor; they are an expensive investment in community. So why do that?

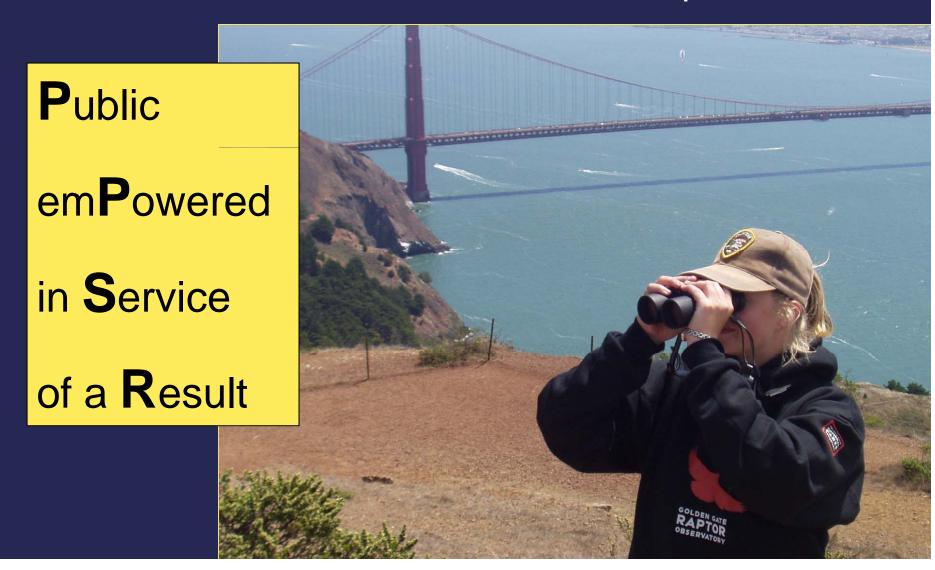


## VOLUNTEERS bring something unpredictable...





VOLUNTEERS are looking to contribute to effective science & conservation. They want to feel valued; to feel connected, & to have an authentic experience.



## Good science is tense even without the public in the room.

- Hypothesis testing
- Long tedious repetition
- Professional review
- The pretense of objectivity
- The sublimation of passion
- Windowless laboratories

