

A close-up photograph of a white bird's wing, showing the intricate structure of the feathers. The feathers are layered and have a soft, downy appearance. The background is a blurred green, suggesting foliage or a natural habitat. The lighting is soft, highlighting the texture of the feathers.

LAKE WORTH LAGOON  
BIRD MONITORING

# PAST EFFORTS

- 1990 Resource Survey- Generalities
- Christmas Bird Counts- South LWL only
- ERM/Audubon/WPB Fishing Club
  - 2004-05 109 spp
- Great Backyard Bird Count
  - Feb 2010 SINA/LW Golf Course- 48 spp
- Migratory Bird Counts- discontinued
  - May 2010 ALL PBC- 136 spp

# PAST EFFORTS

- Callaghan 2015 (FAU grad student)
  - April '14- March '15 bimonthly
  - SINA/Bryant, 20 spp
- eBird
  - Many observers but no plan (57,000 PBC lists)
  - Only 5 LWL sites out of top 100
- Bingham (Audubon Islands)
  - Few observations
- Florida Shorebird Alliance
  - Winter Shorebird Surveys- February
  - Breeding bird beach and roof surveys (LETE, AMOY, etc)

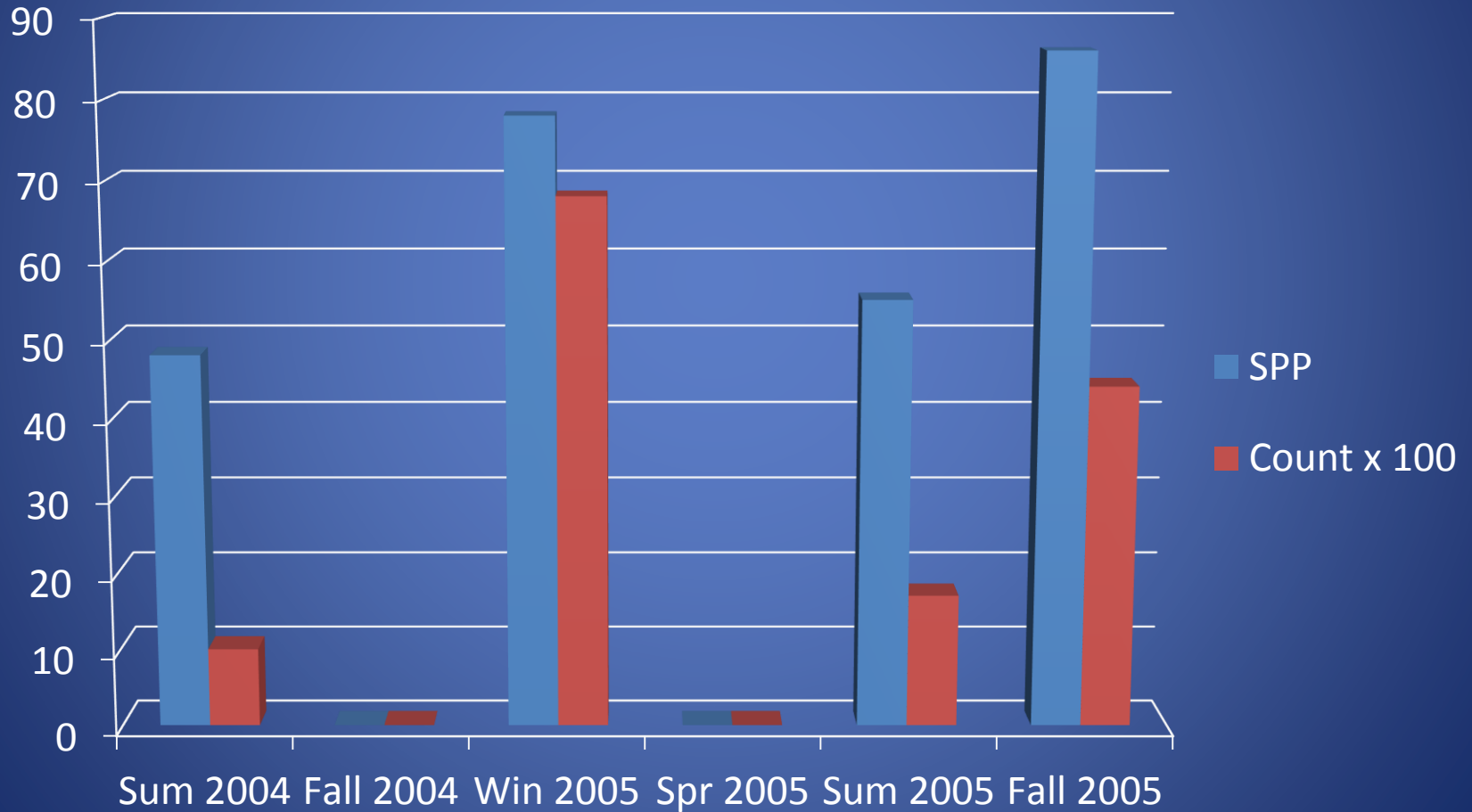
# 2004-05 STUDY

- 16 Months (June 04- Sept 05)
- Quarterly- Summer (2), fall, spring?(0), winter
  - Missed Fall '04 and Spring '05
- 1 Weekend day/quarter @ low tide (snap shot)
- 4 zones (5 in June '04)
  - Each zone covered by 1 boat + 2-3 birders/boat
- Resources
  - \$4200 (not including planning and data analysis)
  - 317 volunteer hrs (\$11K), 72 boat hrs

# 2004-05 RESULTS

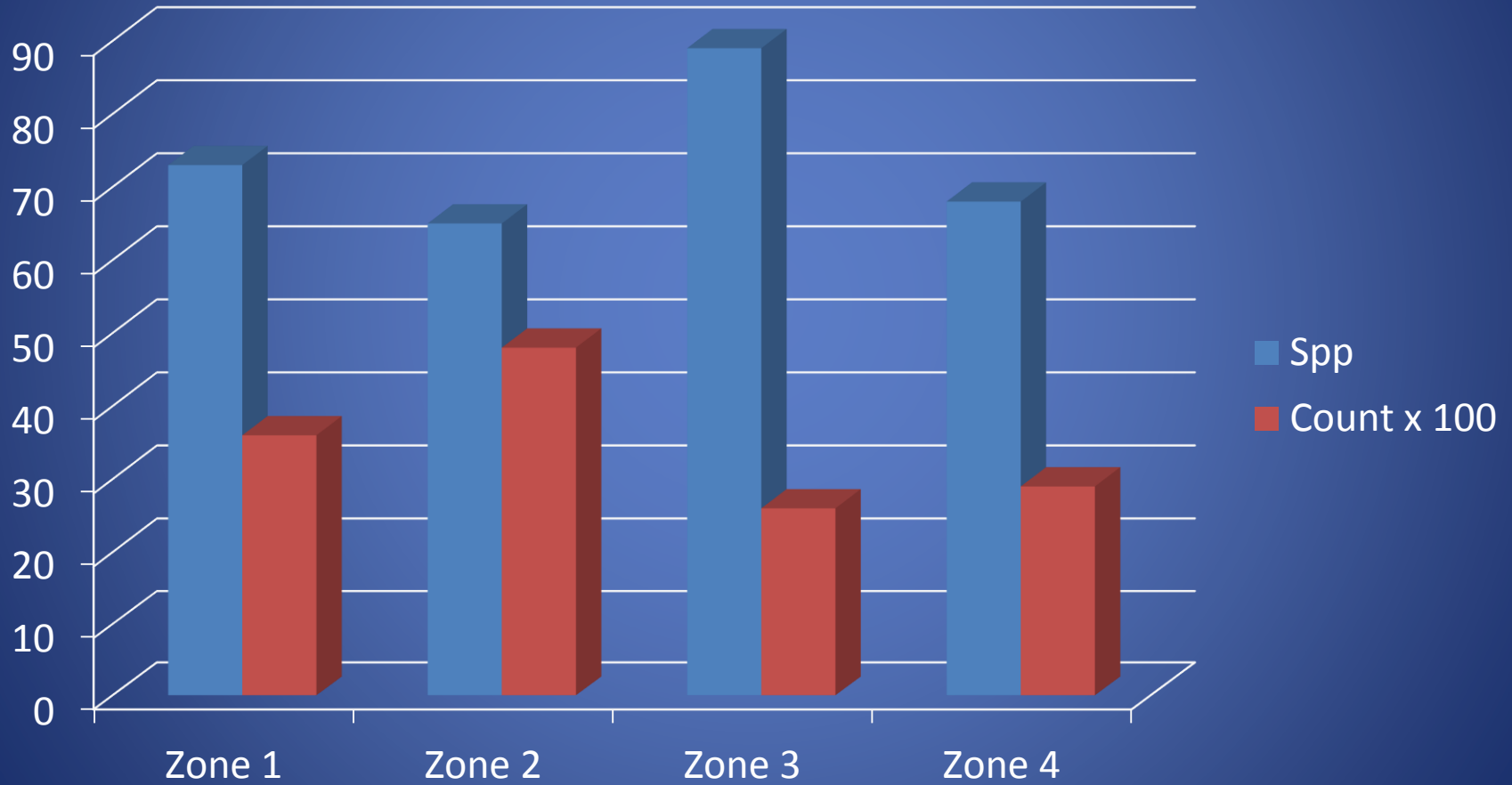
## By Season

109 Total Species



# 2004-05 RESULTS

## By Zone



# SUGGESTIONS

- GOALS
  - Change in bird use of LWL after 14 years of restoration
  - ID roosting, nesting, foraging sites
  - ID locations requiring greater protection
- Repeat 2004-05 study without time gaps
  - Add land-based teams?
- Expand FSA breeding bird survey study to all key LWL habitats (not just restoration)

# BENEFITS OF VOLUNTEER MONITORING

- Enhance support of LWL restoration
- Promote intergovernmental cooperation
- Promote user group cooperation
- Support restoration design and policy
- Cost effective monitoring
- Meet LWL Mgmt Plan Action Plan goal (EM-5)
- ID areas requiring improved management to reduce conflicts