



ALMS Overview

What did we learn from our field efforts in 2003?

Melissa Cady, USGS
Colleen Handel, USGS

Overview

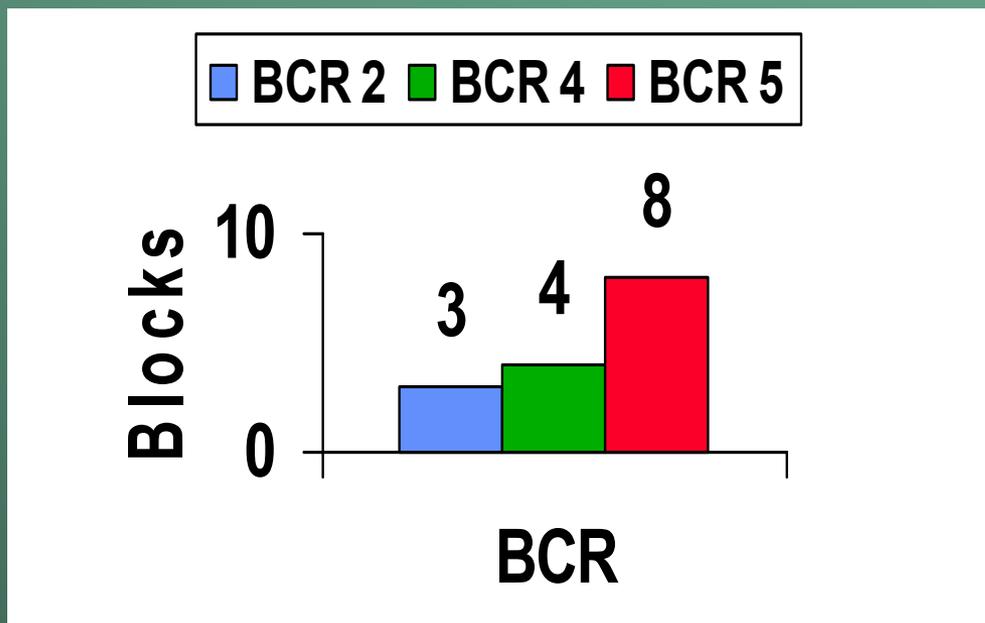
- Summarize field effort
- Look at the data we collected
- Outline some of the problems encountered

Participants

- Yukon Delta National Wildlife Refuge
- Kanuti National Wildlife Refuge
- Kenai National Wildlife Refuge
- Chugach National Forest
- Tongass National Forest

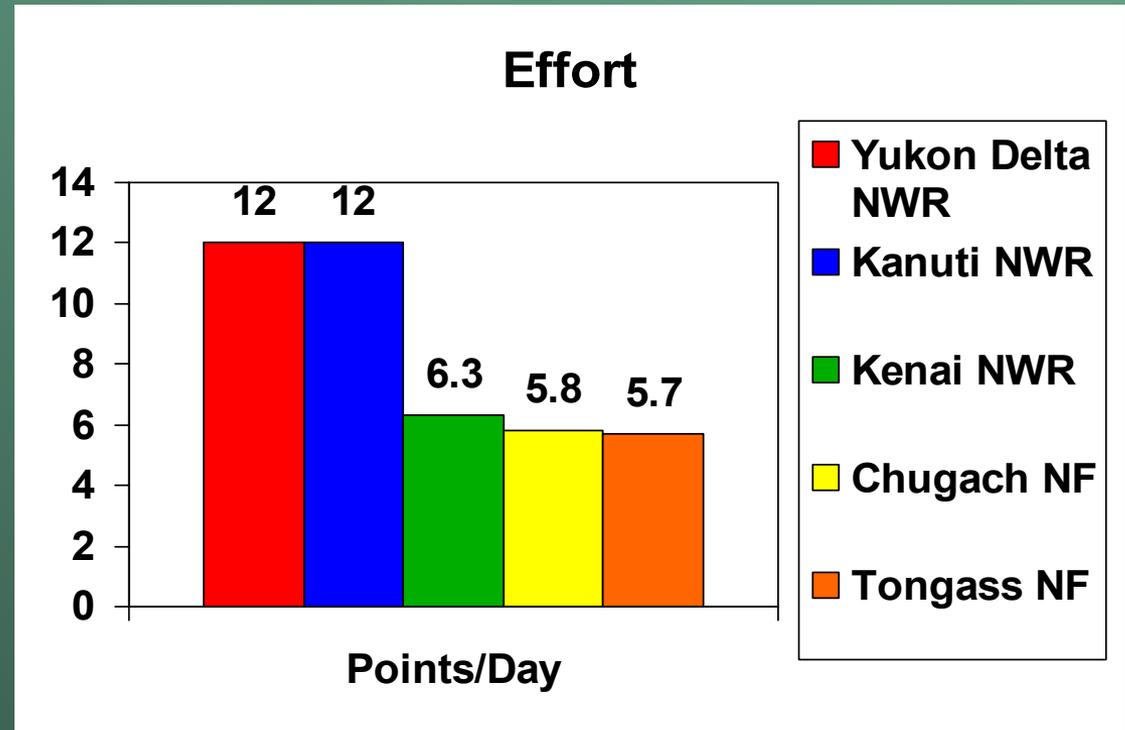
Accomplishments this year

- 15 blocks surveyed
- 289 points established
 - Bird surveys completed at all 289 points
 - Vegetation data collected for 209 points

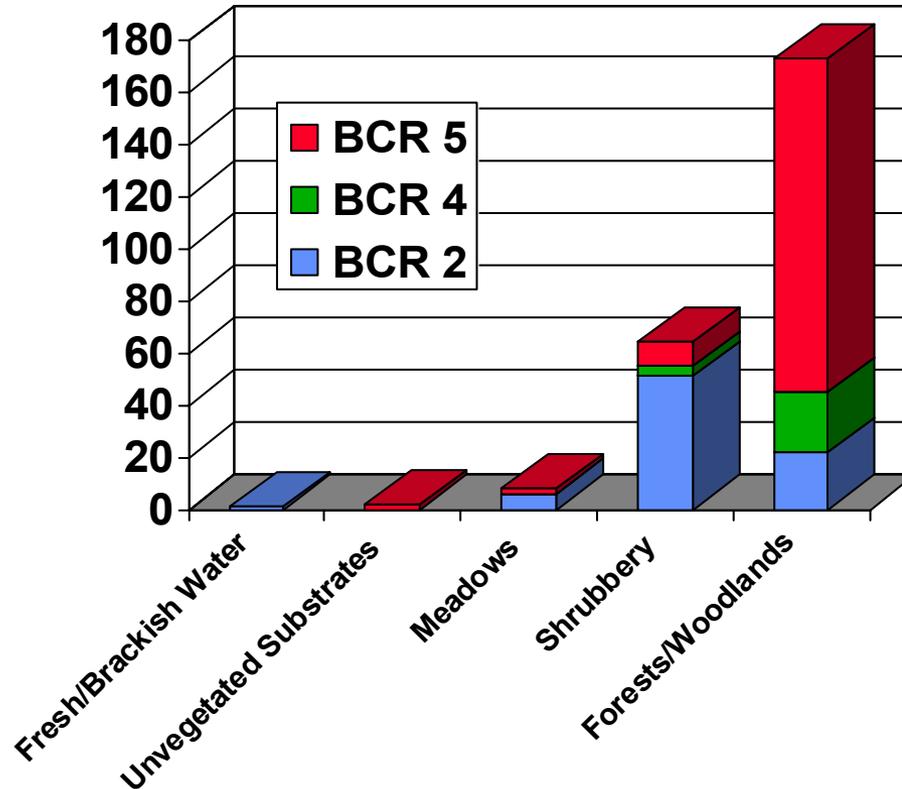


Accomplishments this year

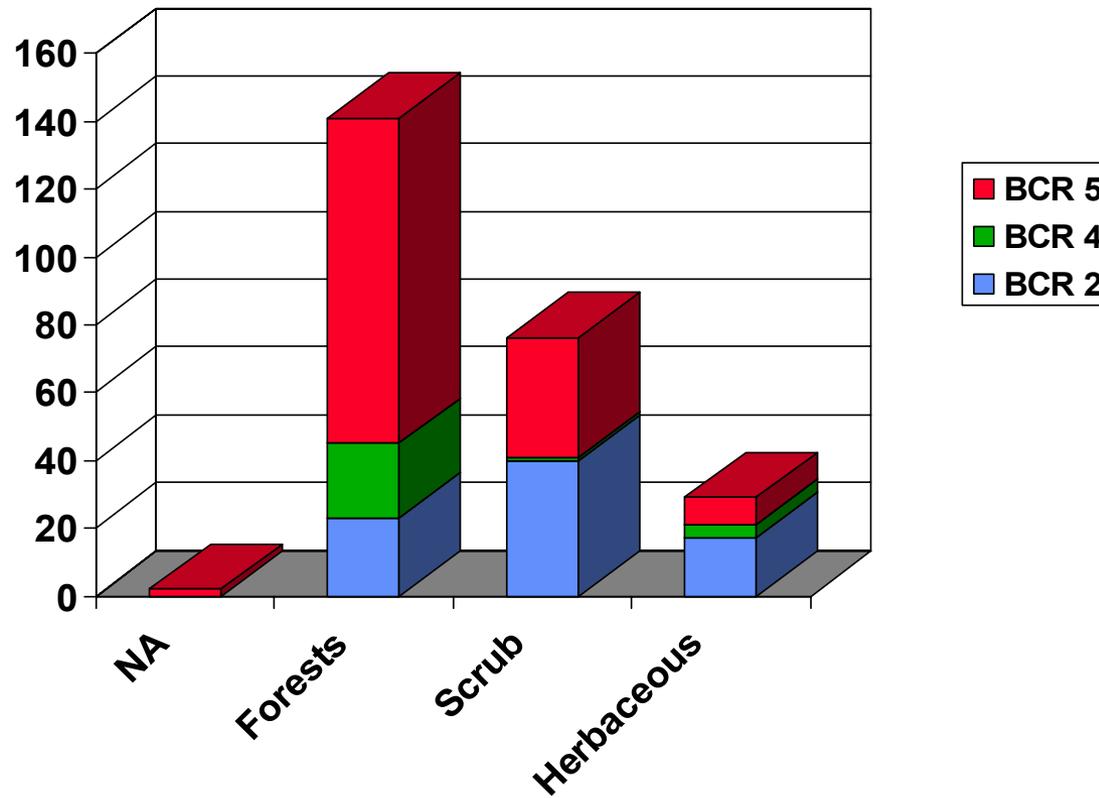
- BCRs 2 and 4
 - 2.3 days/block
 - 24.1 points/block
 - range 22-25 points/block
- BCR 5
 - 2.6 days/block
 - 15 points/block
 - range 8-20 points/block



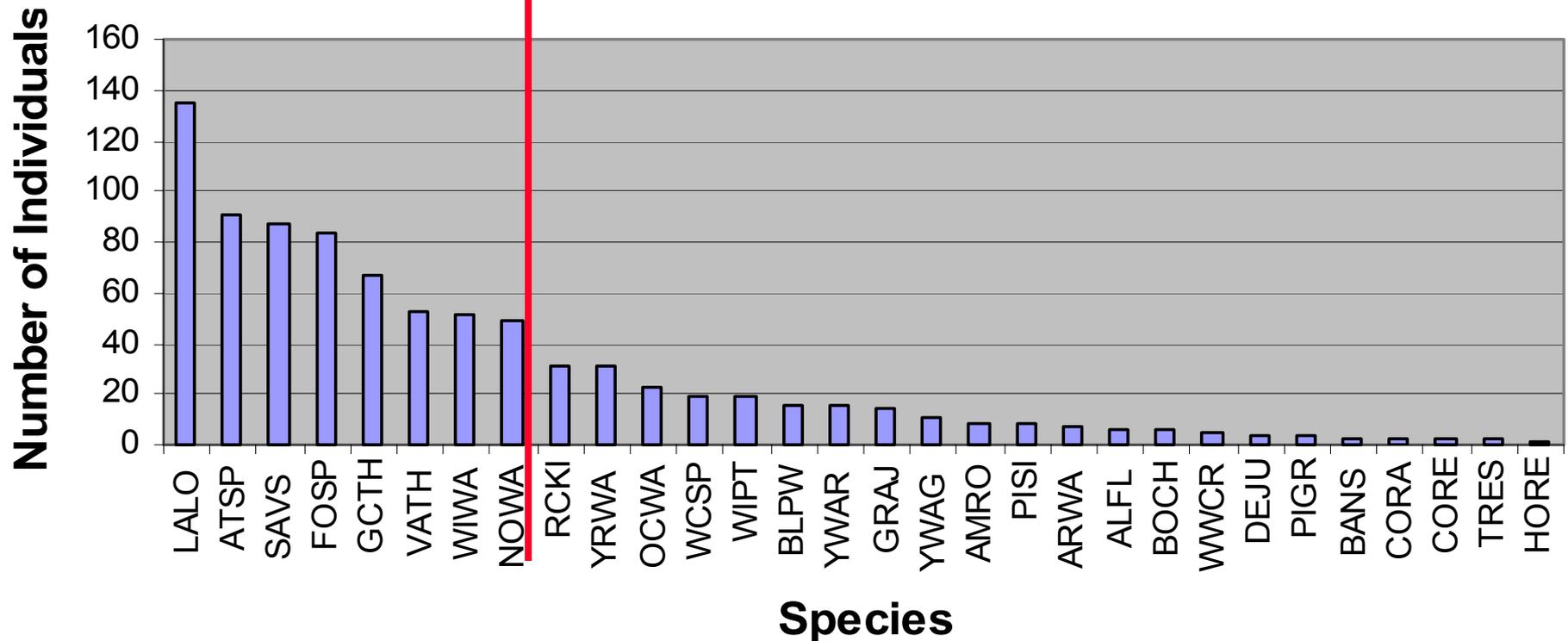
Kessel Habitats by BCR



Viereck Habitats by BCR

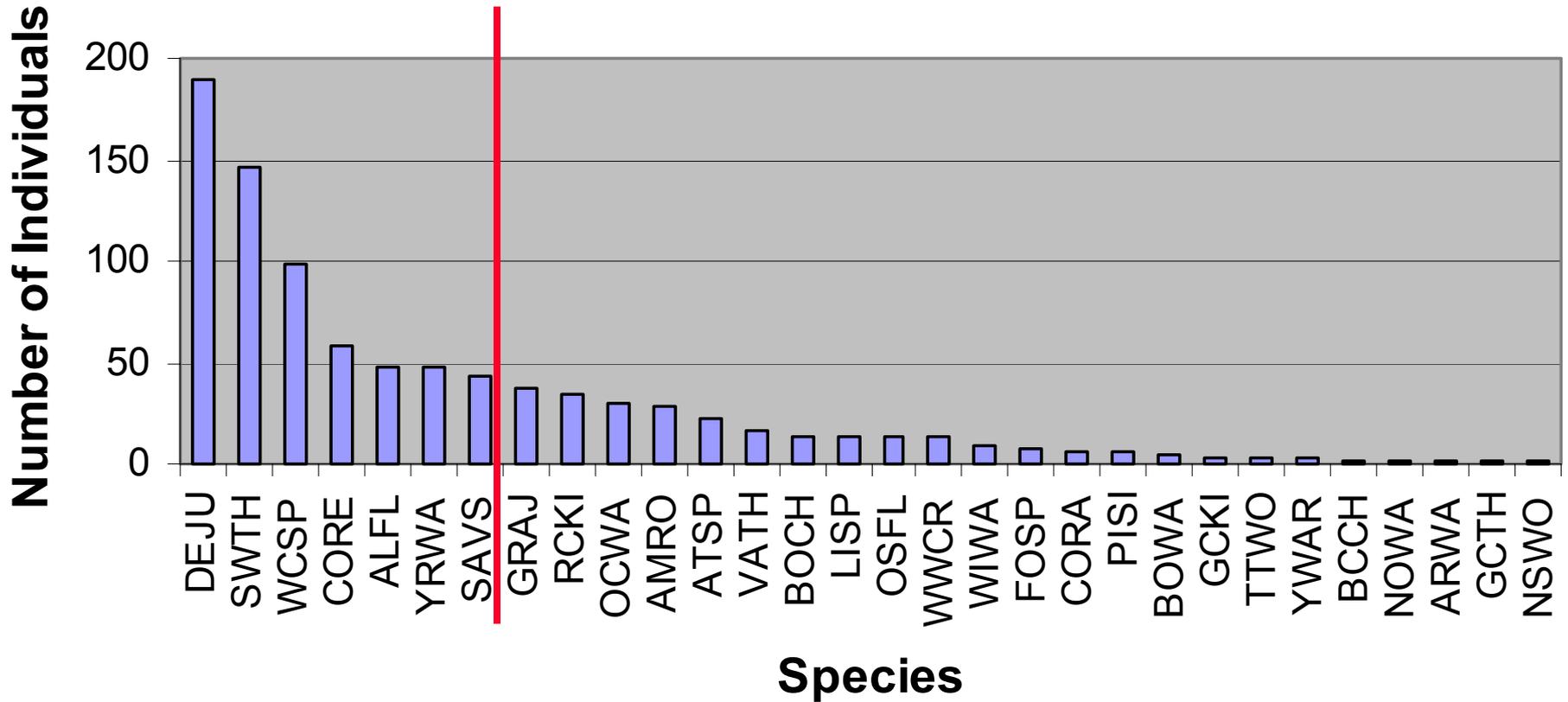


Landbirds Detected by Species in BCR 2



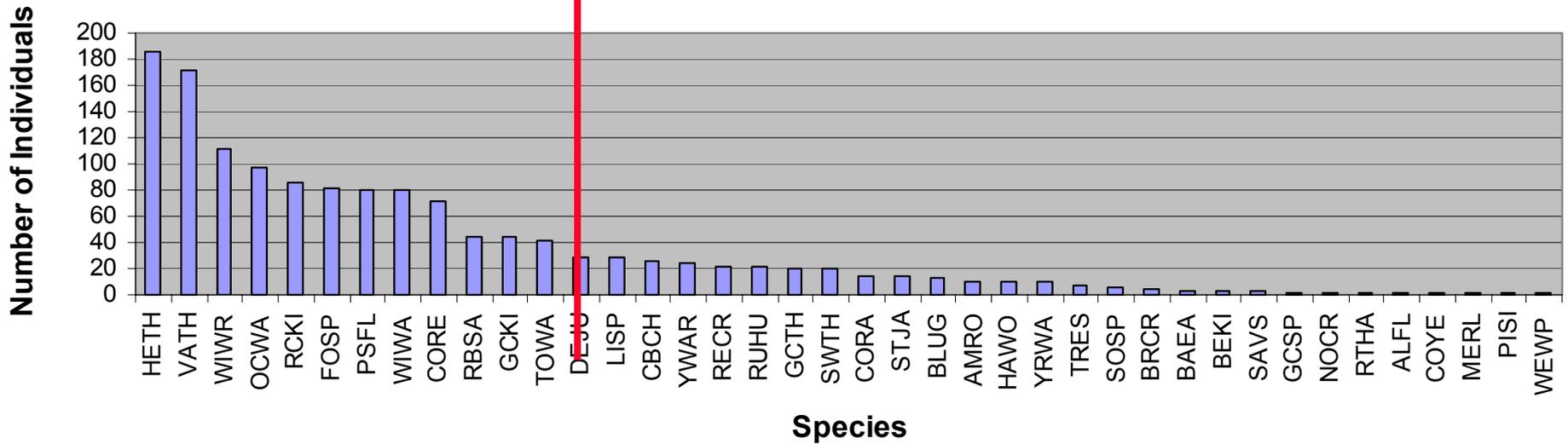
- Capable of estimating density for 8 species
- Capable of estimating density for 2 of 8 BPIF priority species (VATH, GCTH)
- 2 other BPIF priority species detected (HORE, BLPW)

Landbirds Detected by Species in BCR 4



- 5 of 19 BPIF priority species detected (OSFL, VATH, GCTH, BOWA, WWCR)

Landbirds Detected by Species in BCR 5



- Capable of estimating density for 12 species
- Capable of estimating density for 4 of 22 BPIF priority species (RBSA, PSFL, VATH, TOWA)
- 7 other BPIF priority species detected (RUHU, STAJ, BLUG, NOCR, CBCH, GCTH, GCSP)

Challenges: Block Setup

- **Site access**
 - Many sites are not accessible and must be discarded
 - Lack of accessibility sometimes impossible to determine prior to site visit
- **Navigation to points within a block**
 - Poor GPS coverage, inaccurate/inconsistent GPS locations, satellites obscured by dense canopy
 - Dense brush and steep grades make for slow going and inaccurate locations when GPS unavailable
 - Random directions for moving points difficult to apply

Challenges: Bird Surveys

- Poor weather
- Difficulty determining need for 250 vs. 500 m plots
- Difficulty estimating distance to detected birds
- Concern that data is lost with distance categories rather than continuous measurements
- Difficulty putting all birds in correct time interval, especially at the beginning of the time interval at busy sites

Acknowledgements

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**Road Network Comparison
Alaska and the Lower 48 States**

