Vegetation Monitoring Regional Coordination Meeting

NCC group themes, topics, and materials to support discussion

Vegetation Monitoring – Process

- The vegetation monitoring program has evolved since 2013:
  - Building on original TAC efforts
  - Leveraging existing monitoring by TNC & IRC
  - Planning sessions with UCI, NCC, IRC, TNC, State Parks to frame questions from management needs
  - Data review sessions to build consensus on tasks
  - NCC supported coordination meetings (Science Panel, Science Integration Meeting, TAC Meetings)
  - An annual cycle of partner meetings to understand and assess activities
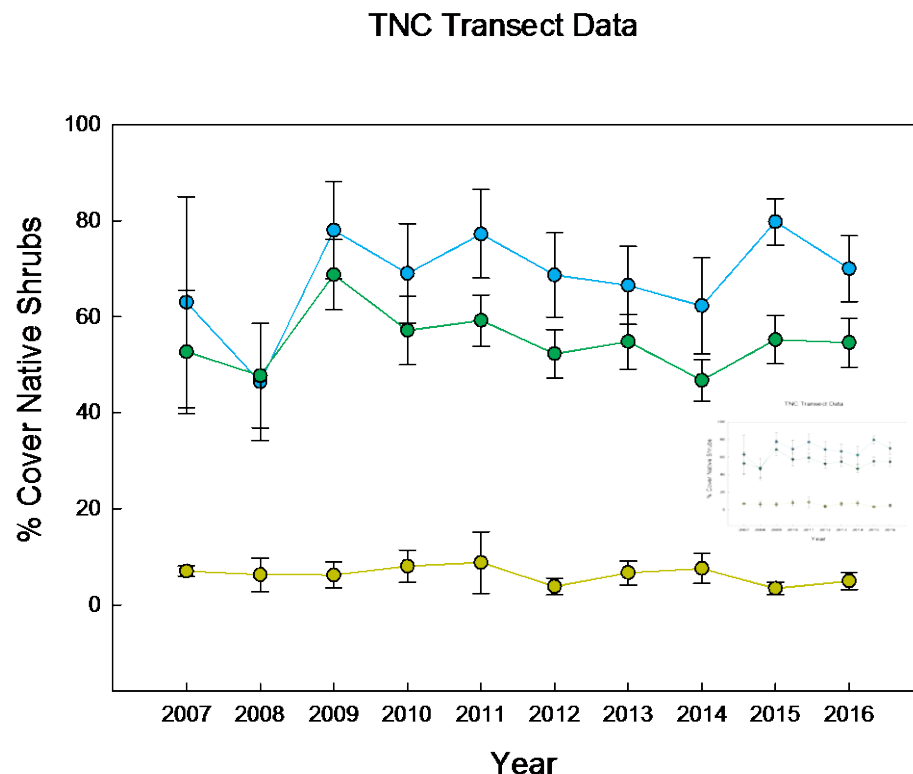
Vegetation Monitoring – Goals

- Document habitat value
- Identify risks, threats, and opportunities
- Provide reserve-wide assessment
- Support general and focused management action
- Assess the history of the NCCP/HCP
- Develop synergies, approaches, or technologies to address monitoring gaps, needs, or incongruences
- Leverage existing land-owner monitoring, legacy data / experiments, and support the lack of capacity in some stakeholders

Vegetation Monitoring – Questions

- How does vegetation recover from fire?
- How does vegetation respond to drought?
- How do invasive species vary in space and time (and respond to management)?
- How does vegetation link to identified species behavior?
- How does temporal variation in weather patterns influence vegetation dynamics?
- How does abiotic spatial variation influence vegetation?
- How do recreation and land-use history impact vegetation?
- How successful is restoration in developing habitat?
- What threats are present for key vegetation components (tree pathogens, etc.)?
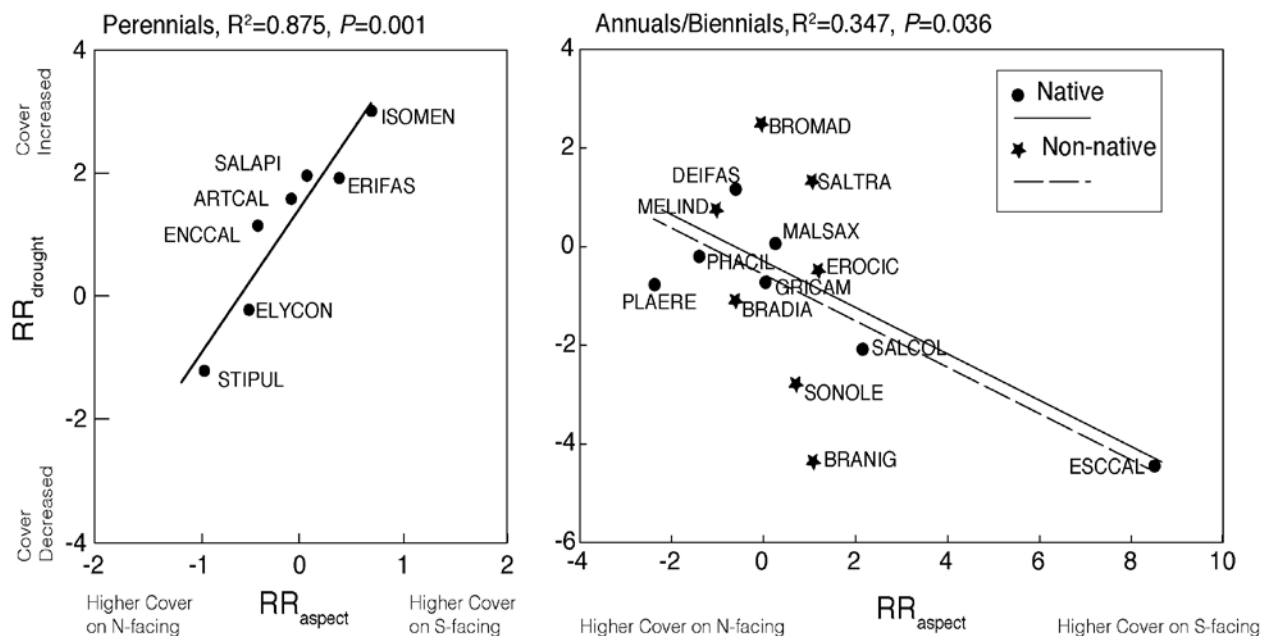
Vegetation Monitoring – Objectives/Approach

- Better understand the physical template
- Leverage historical data efforts
- Leverage practitioner efforts, local knowledge, and other initiatives
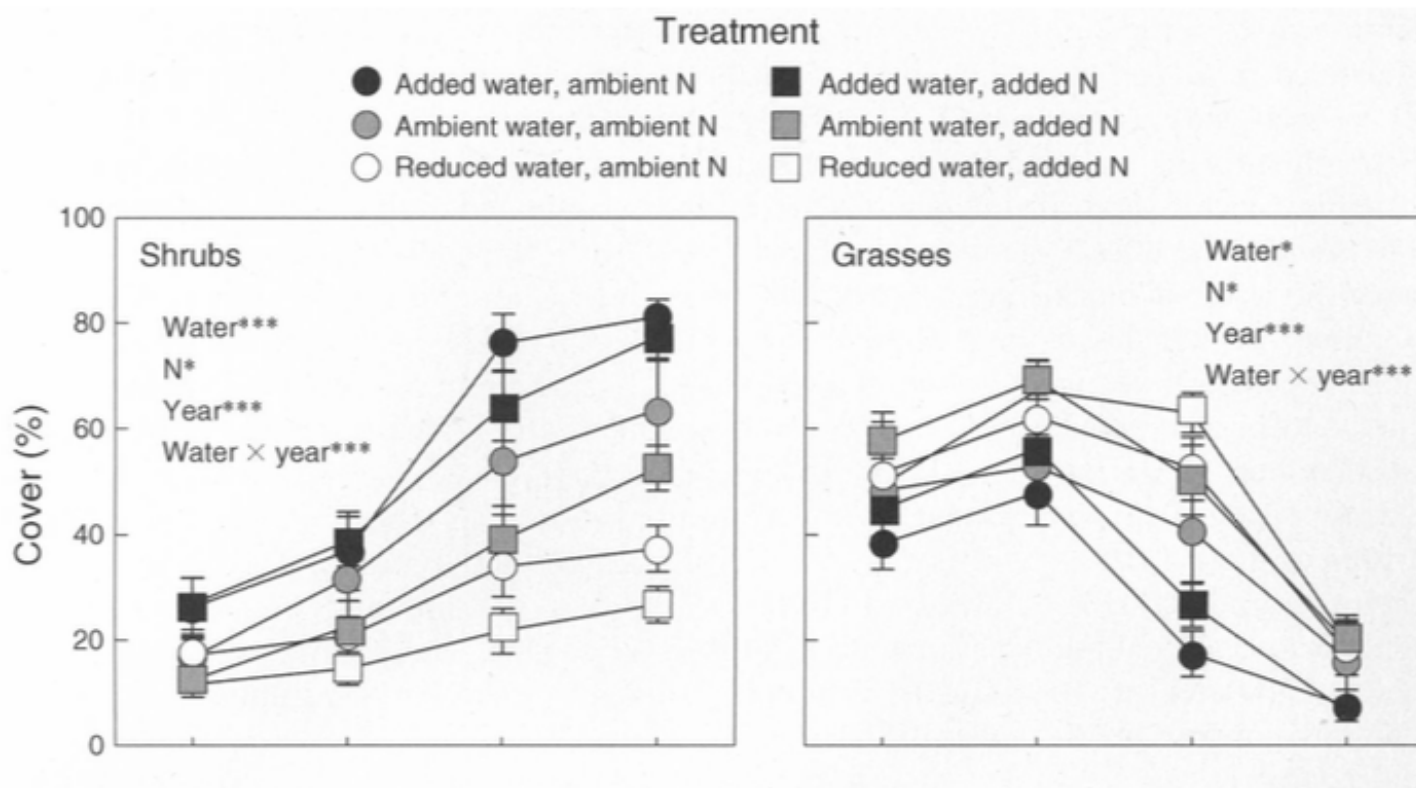- Expand focus on demography
- Develop communication tools

TNC Transect Data

Vegetation Monitoring – Objectives/Approach

- Better understand the physical template
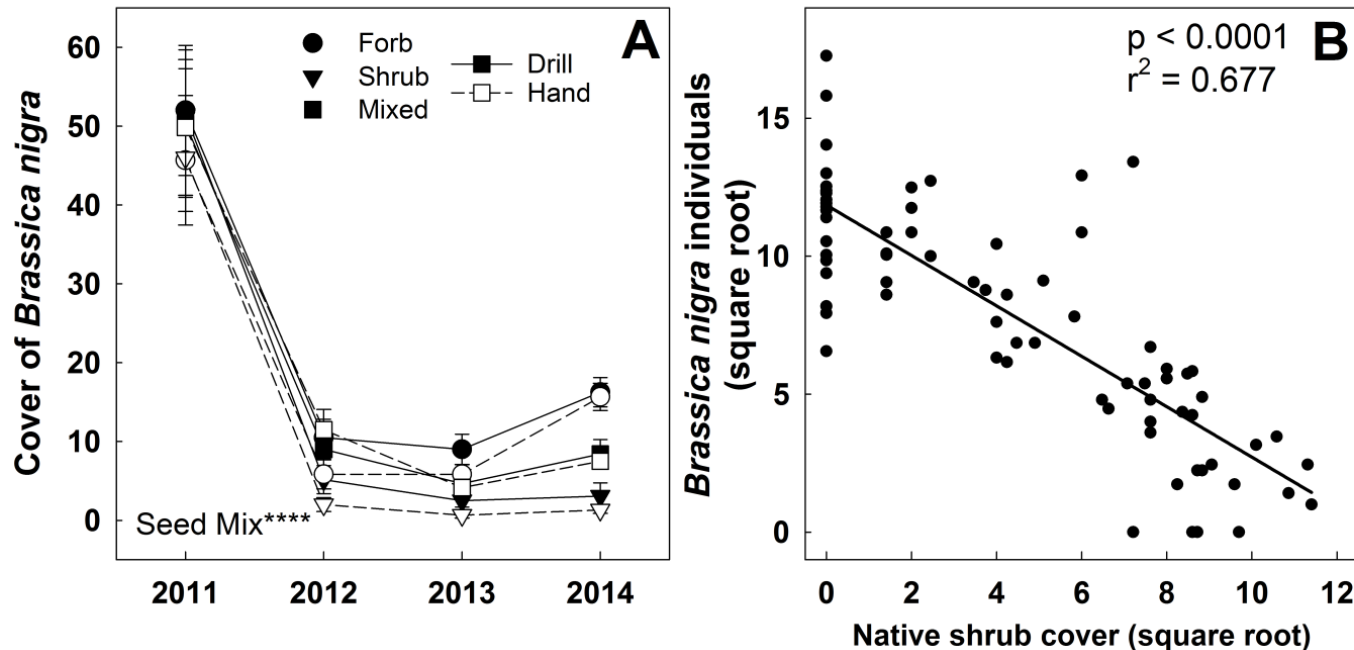 - Example – slope–aspect analysis

Vegetation Monitoring – Objectives/Approach

- Leverage historical data efforts
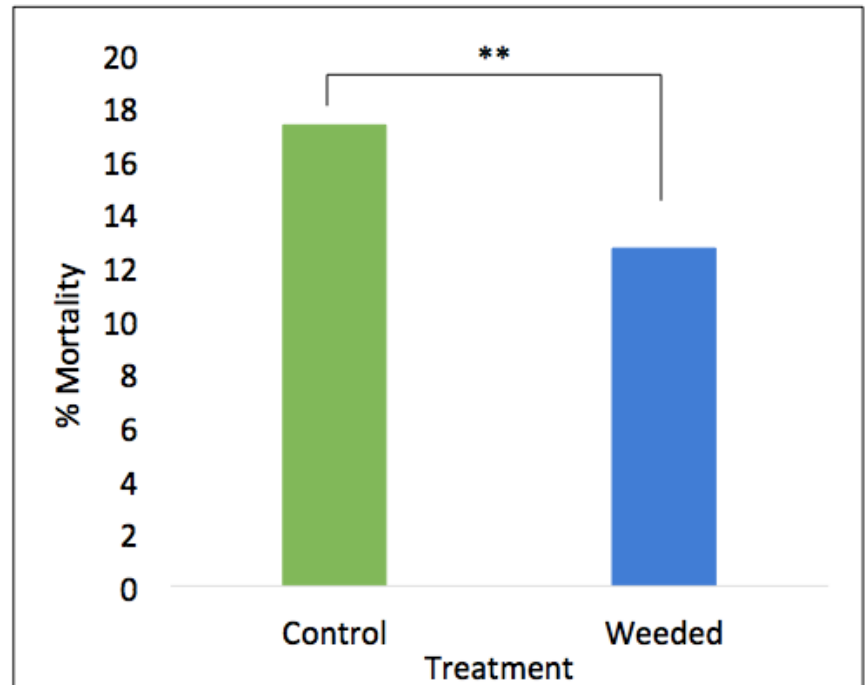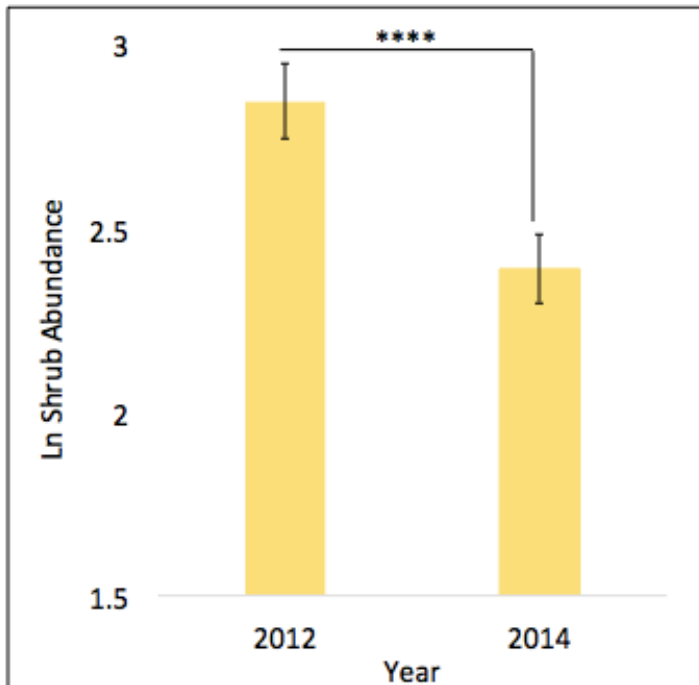 - Example – Goulden rain-out shelters

Vegetation Monitoring – Objectives/Approach

- Leverage practitioner efforts, local knowledge, and other initiatives
  - Example – Loma Ridge Restoration

Vegetation Monitoring – Objectives/Approach

- Expand focus on demography
  - Example – Non-native removal experiment

Vegetation Monitoring – Objectives/Approach

- Develop communication tools
  - Example – conceptual model project