

Site Assessment on Post-Fire and Pole Planting Sites



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overview

BEMP (Bosque Ecosystem Monitoring Program)
advanced internship

City of Albuquerque stakeholder-driven research
projects



Burn site objectives



1-year post-burn assessment

vegetation recovery

fuel load

Hink & Ohmart vs. line transect

Burn site methods

HO protocols

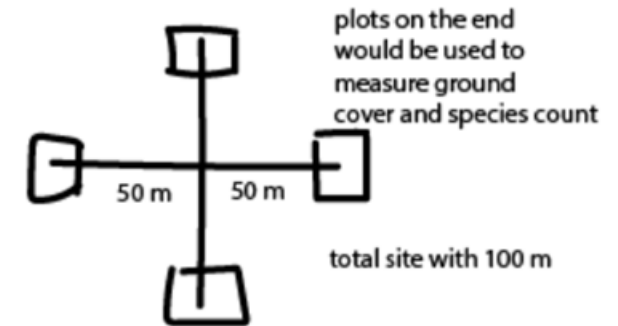
30 x 15 m plots

estimates of percent cover

Line transect

Five 30 m line-intercept transects

H&O/CABQ site format



BEMP Site format



BEMP site loses the plots at the end but adds one more transect, only data on the vertical transects were collected

Burn site findings

After 1 year, less than 10% of the area has vegetation cover

The majority of cover is from exotic species

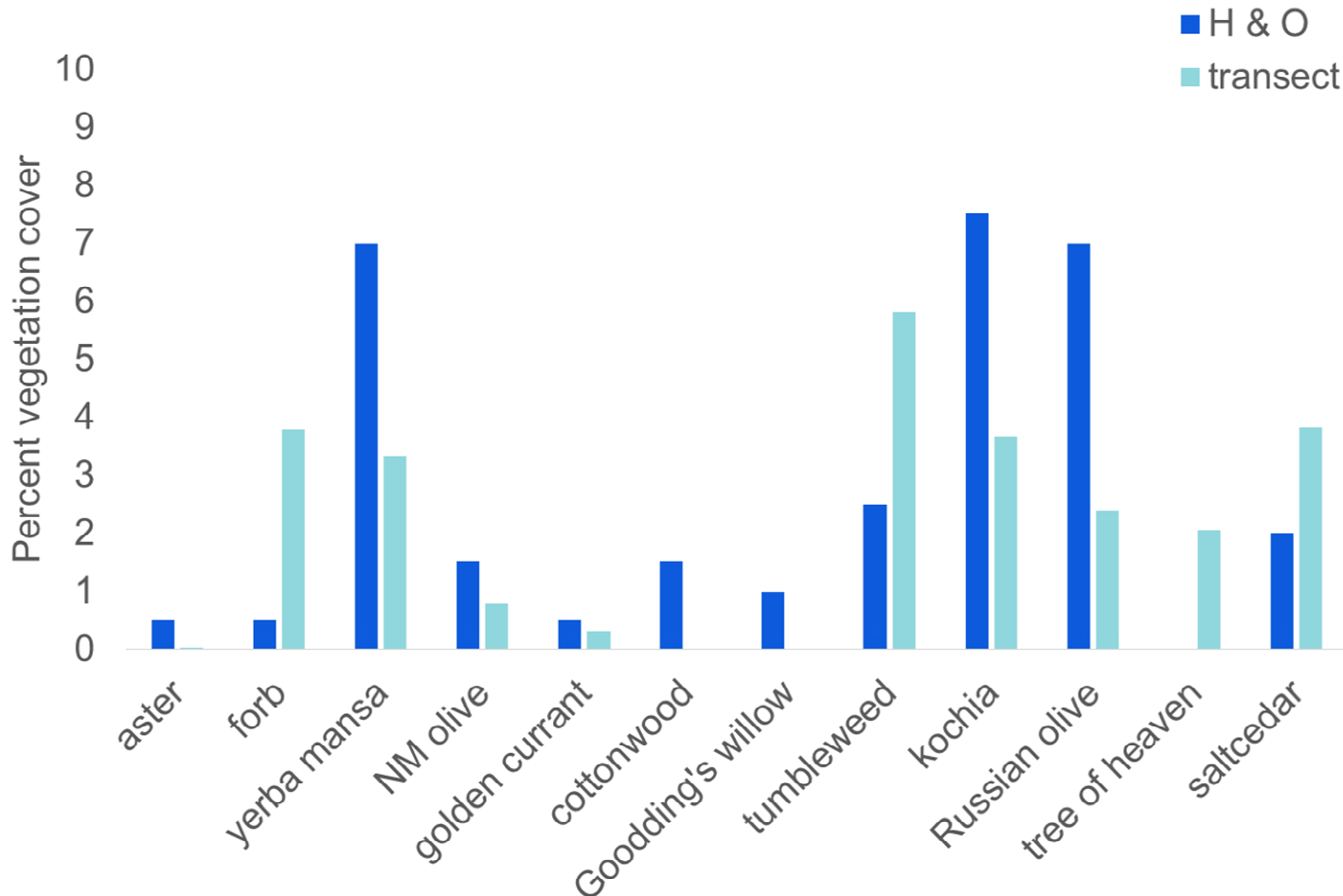
The tallest living vegetation was saltcedar

Fuel load at the site is predominantly fallen cottonwood



Burn site findings (side objective)

H&O vs. Transect - 1 Year Post-Burn Percent Cover



H & O plots picked up cottonwood and Goodding's willow resprouts

Transects picked up tree of heaven resprouts

Reforestation objectives

Assess the success of City of Albuquerque
cottonwood pole plants

Shining River

Gabaldon



Reforestation data collection methods

Line transect



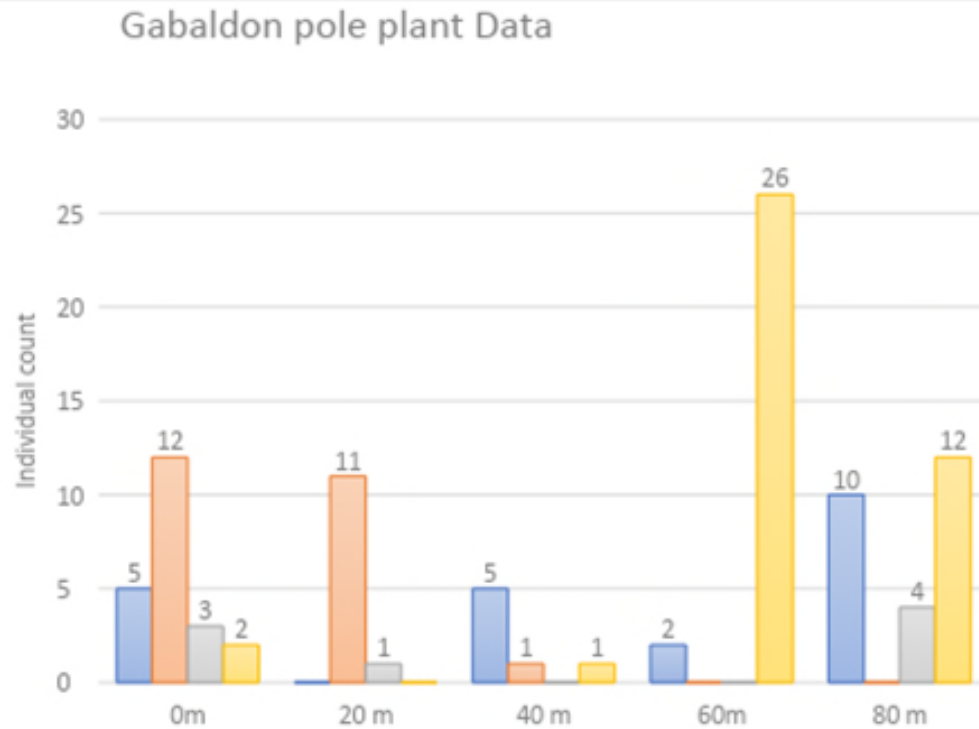
Pole plant survival/mortality



Reforestation findings



Reforestation findings



■ Pole plants ■ Cottonwood sprouts (non pole plant) ■ Dead pole plants ■ exotics

Discussion



Any questions???