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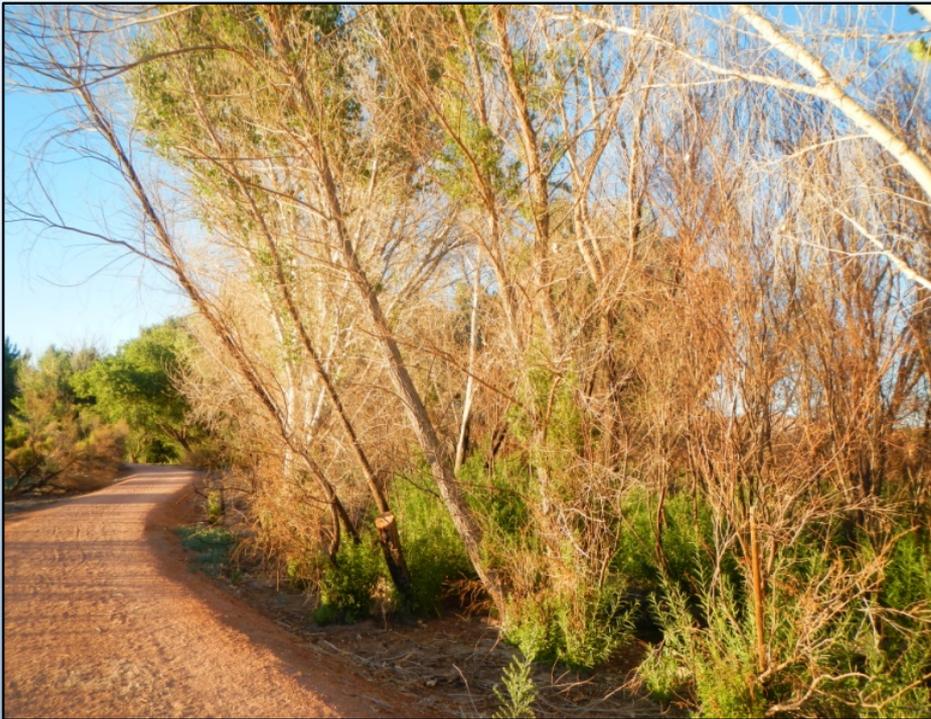
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Fuels Management and Wildfire Planning for Clark County Wetlands Park

Clark County Wetlands Park

- 2,900 acres, managed by Clark County Parks and Rec Dept
- Las Vegas Wash discharges 153 million gallons of water/day
- Diverse: 212 bird species, 70 mammal/reptile, and 300 plant species
- Unique recreation resource, new visitor center, > 30 miles of trails





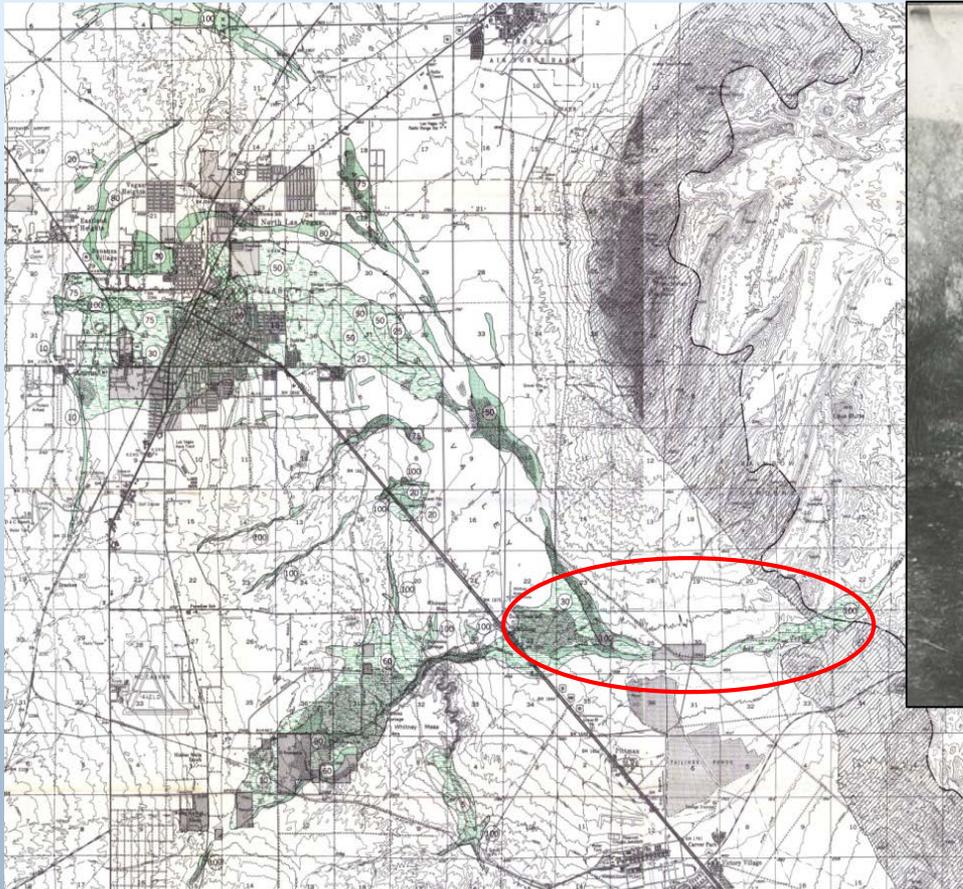
Fire date	Size (acres)
1996 July	100
2001 March	200
2002 March	300
2003 Sept 19	80
2004 June 13	30
2007 March 14	150
2009 Jan 18	Unknown
2011 April 17	7
2014 March 24	~2
2015 April	<1

Small, but severe wildfire just north of visitor center (March 2014)



Fire Management Goals

- Historical role of fire is unclear
- Primarily suppression; may consider future strategic use of fire
- Manage fuels to limit fire spread, and severity in priority locations



Las Vegas Creek early 1900s
(UNLV Spec. Collections)

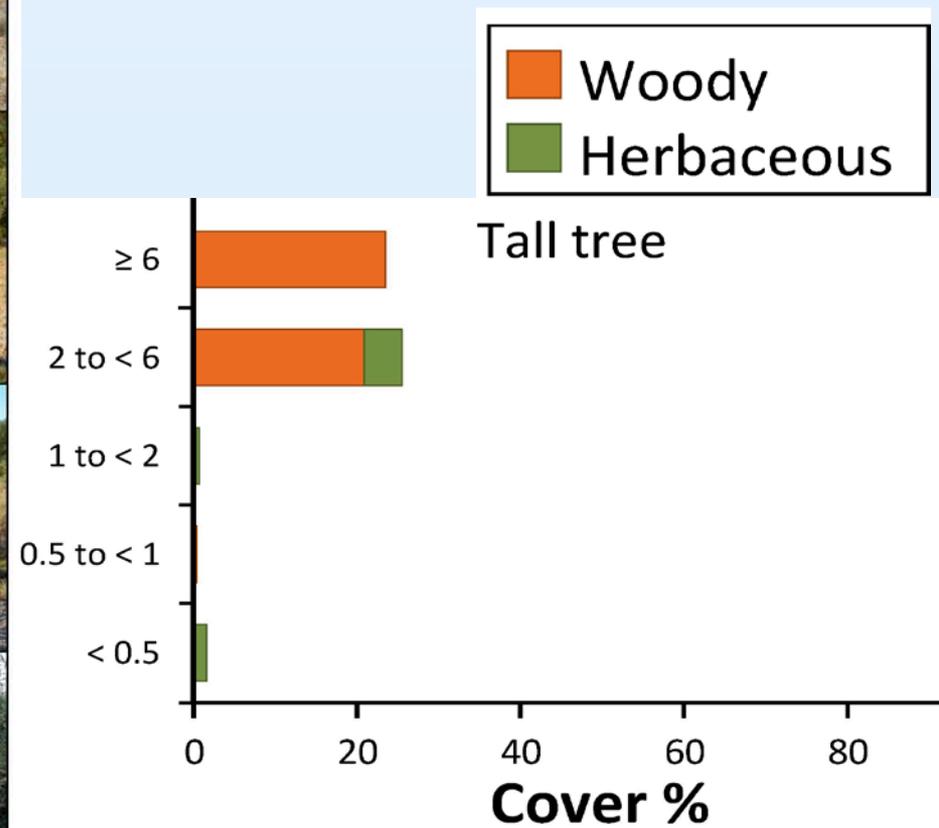
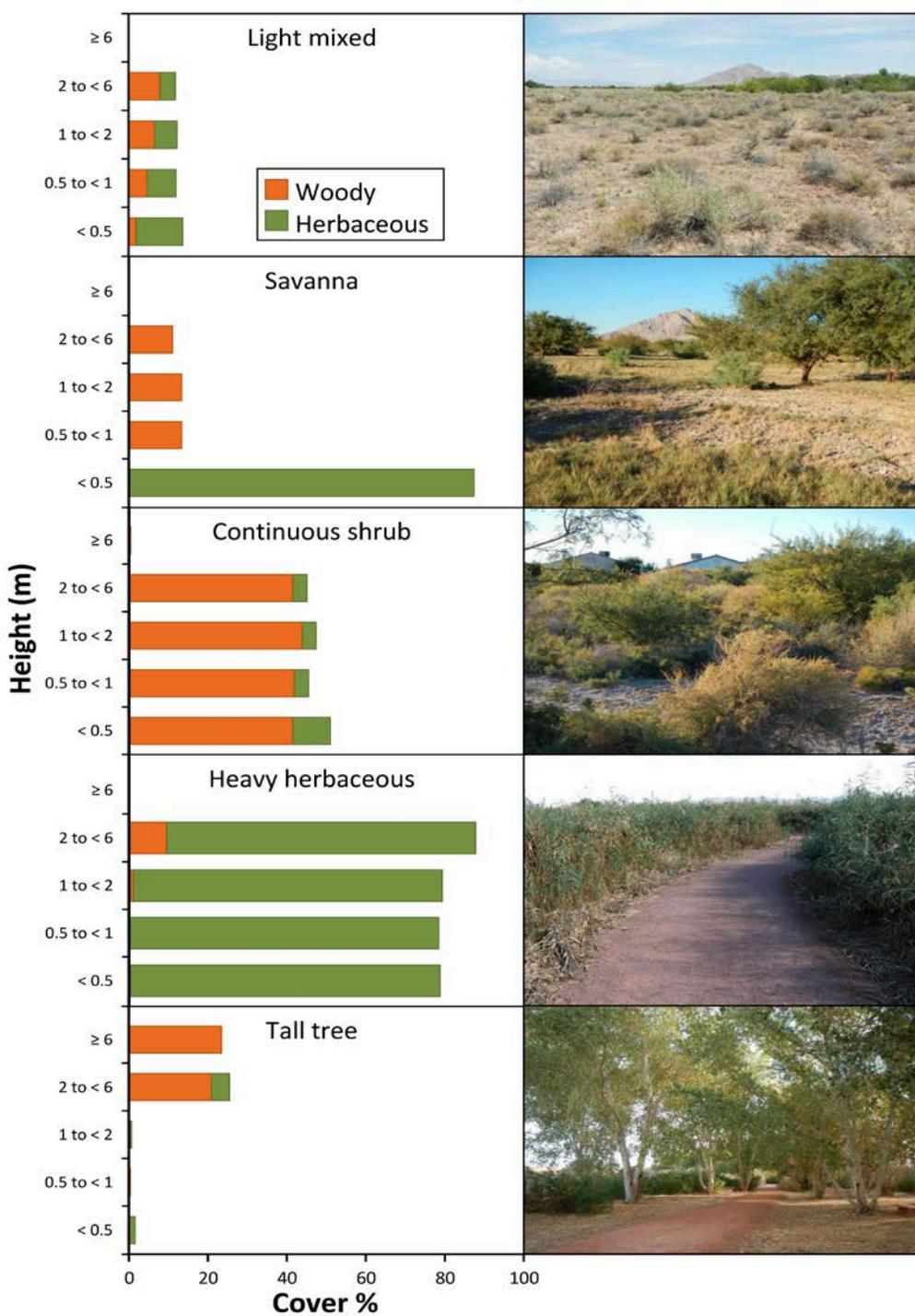
Project Goals

- Partnership Clark County-Natural Resource Conservation LLC
- Synthesize historical conditions
- Fuel hazards analysis and fuel and fire management plan
- Post-fire restoration assessment for willow-cottonwood fire





- 47 plots 10 m x 10 m in size systematically located
- Cover of fuel in five height classes
- Species composition (all measurements May 2015)



Use fuel type classification to strategically maintain or establish low-hazard fuels in high-risk areas and to break up fuel continuity

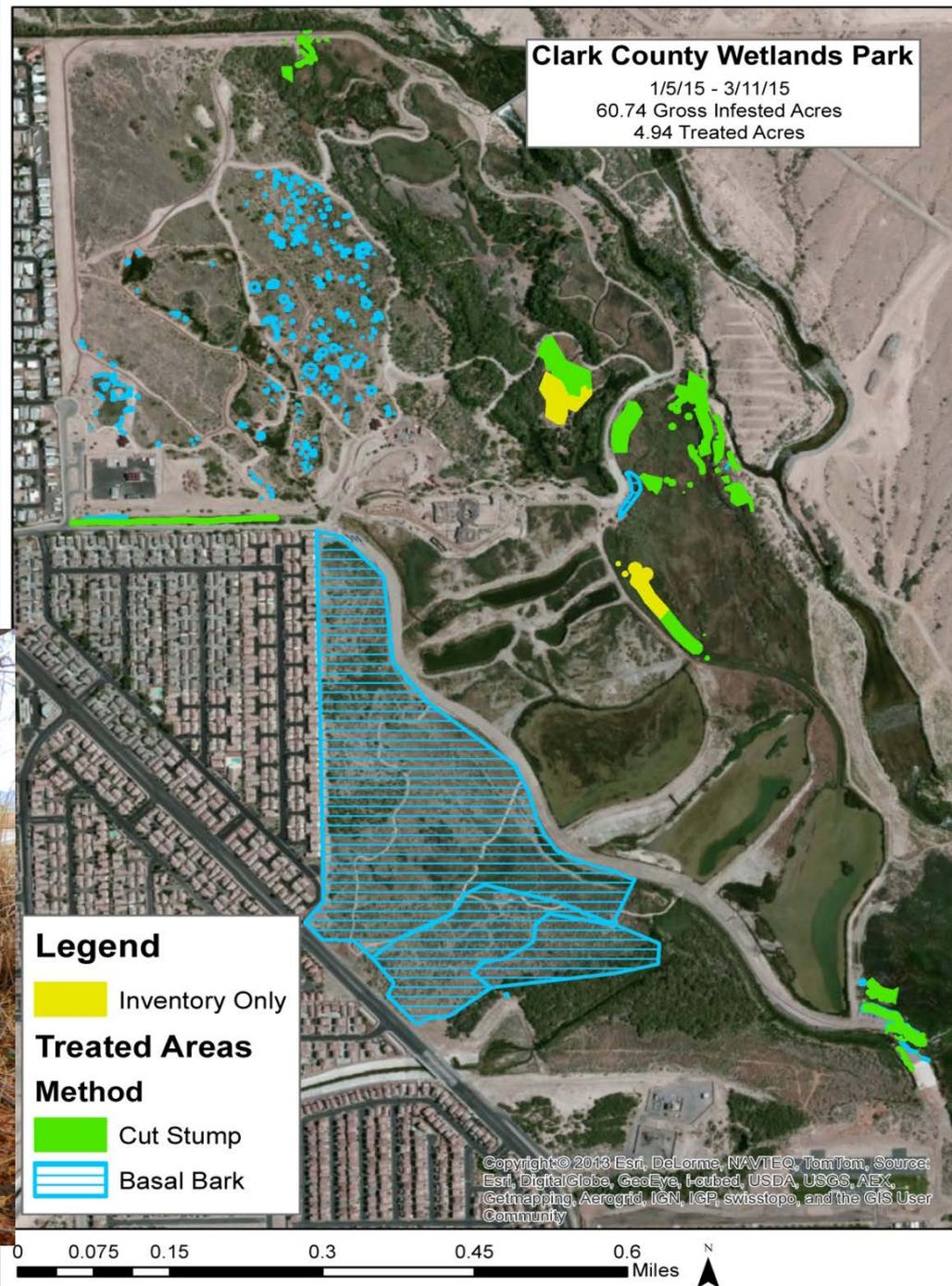




Increase area of tall trees
and surround them with
low-hazard fuel types



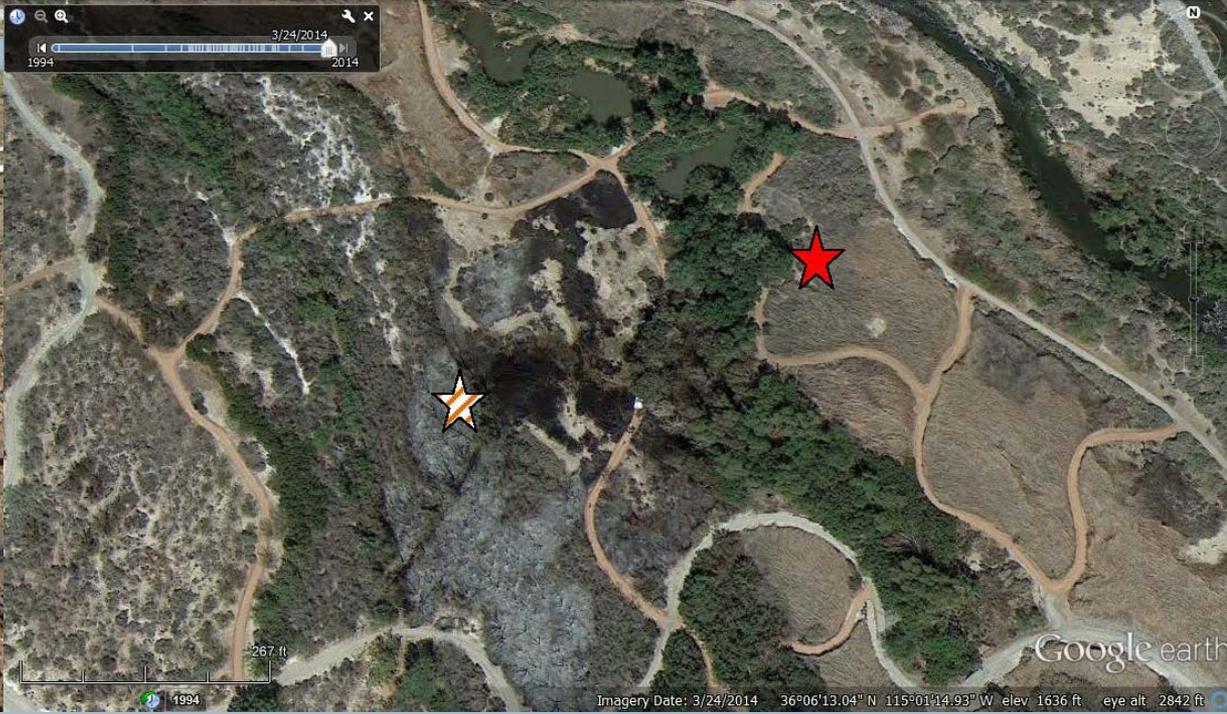
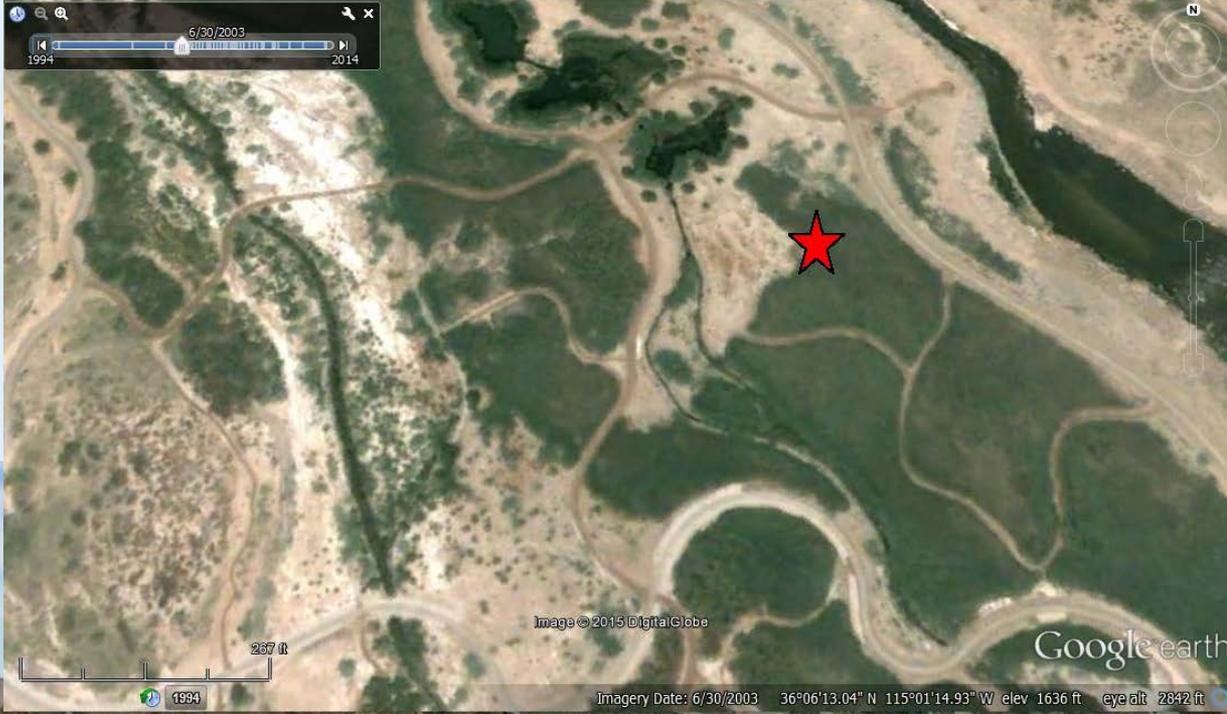
Eliminate the most hazardous fuel types when they are dominated by non-native species

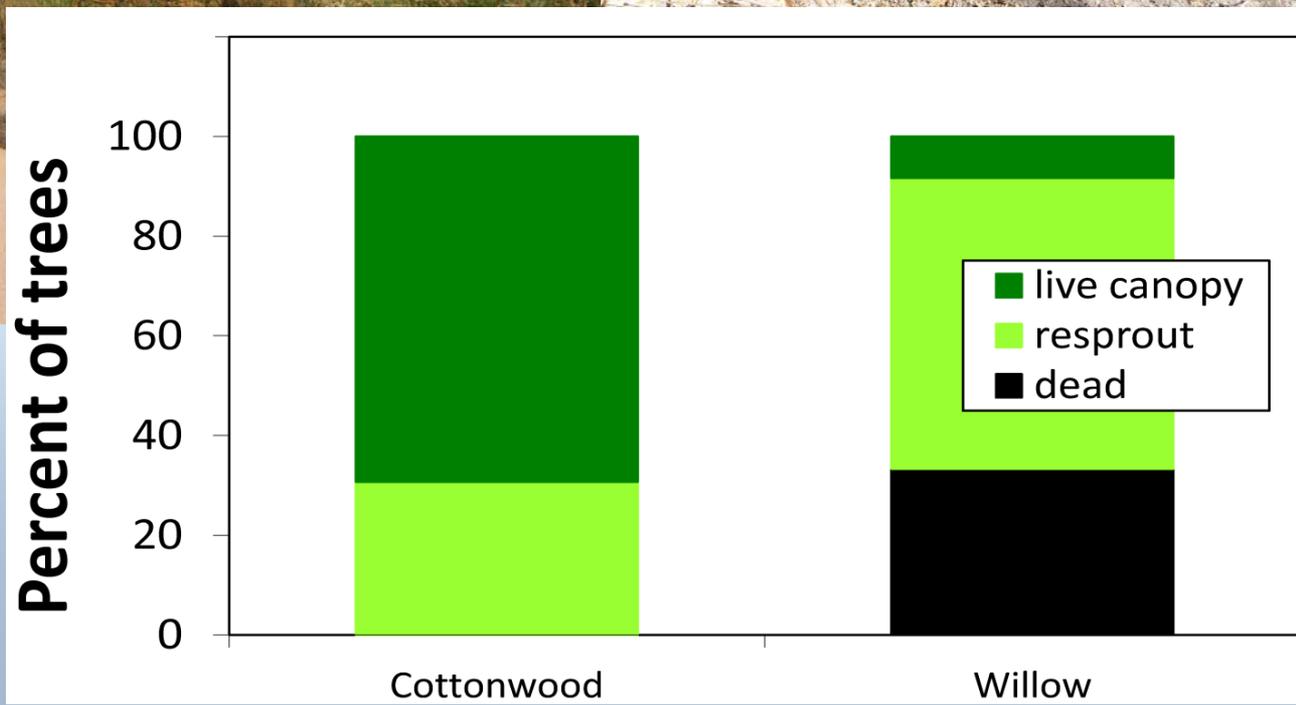


Provide escape routes and pumping stations



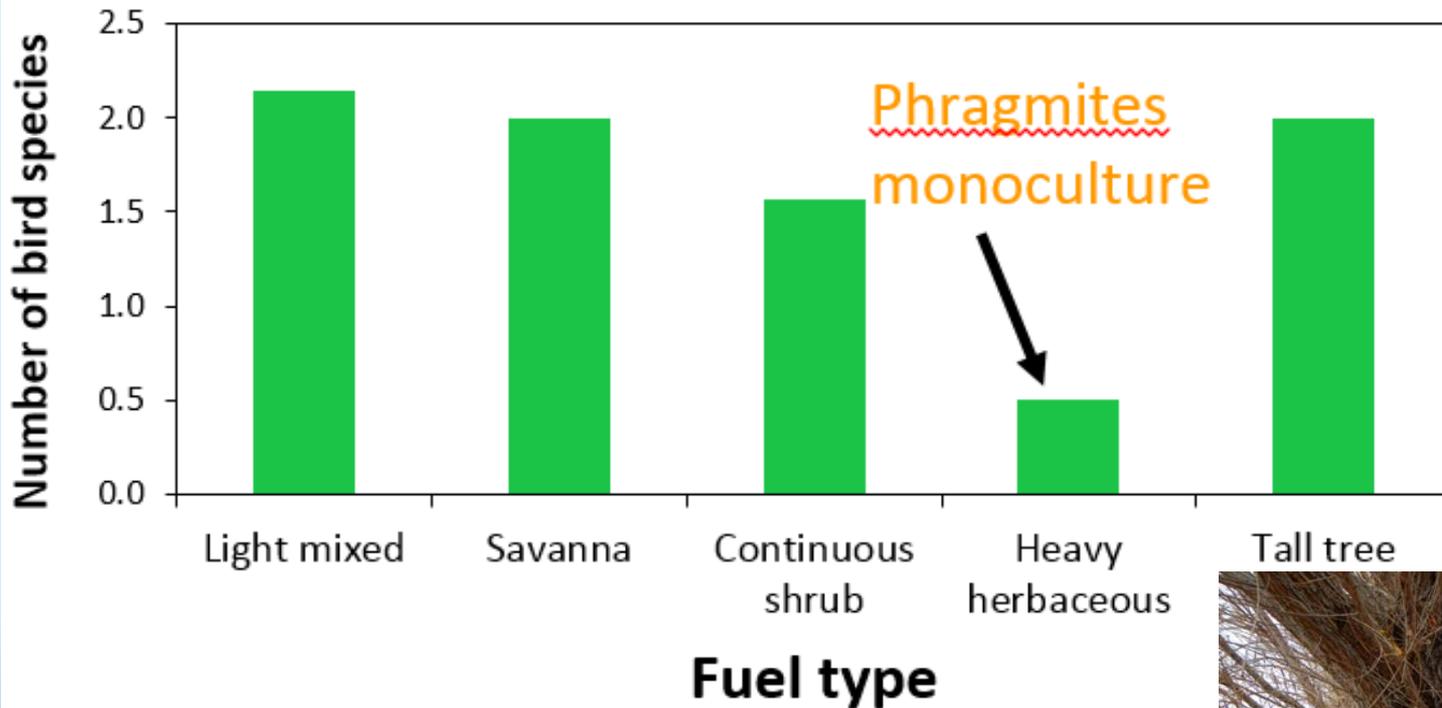
Incorporate dynamic nature of park's veg in wildfire planning





Balancing Wildlife Habitat

- One-week monitoring period *for illustration only*



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Scott R. Abella

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