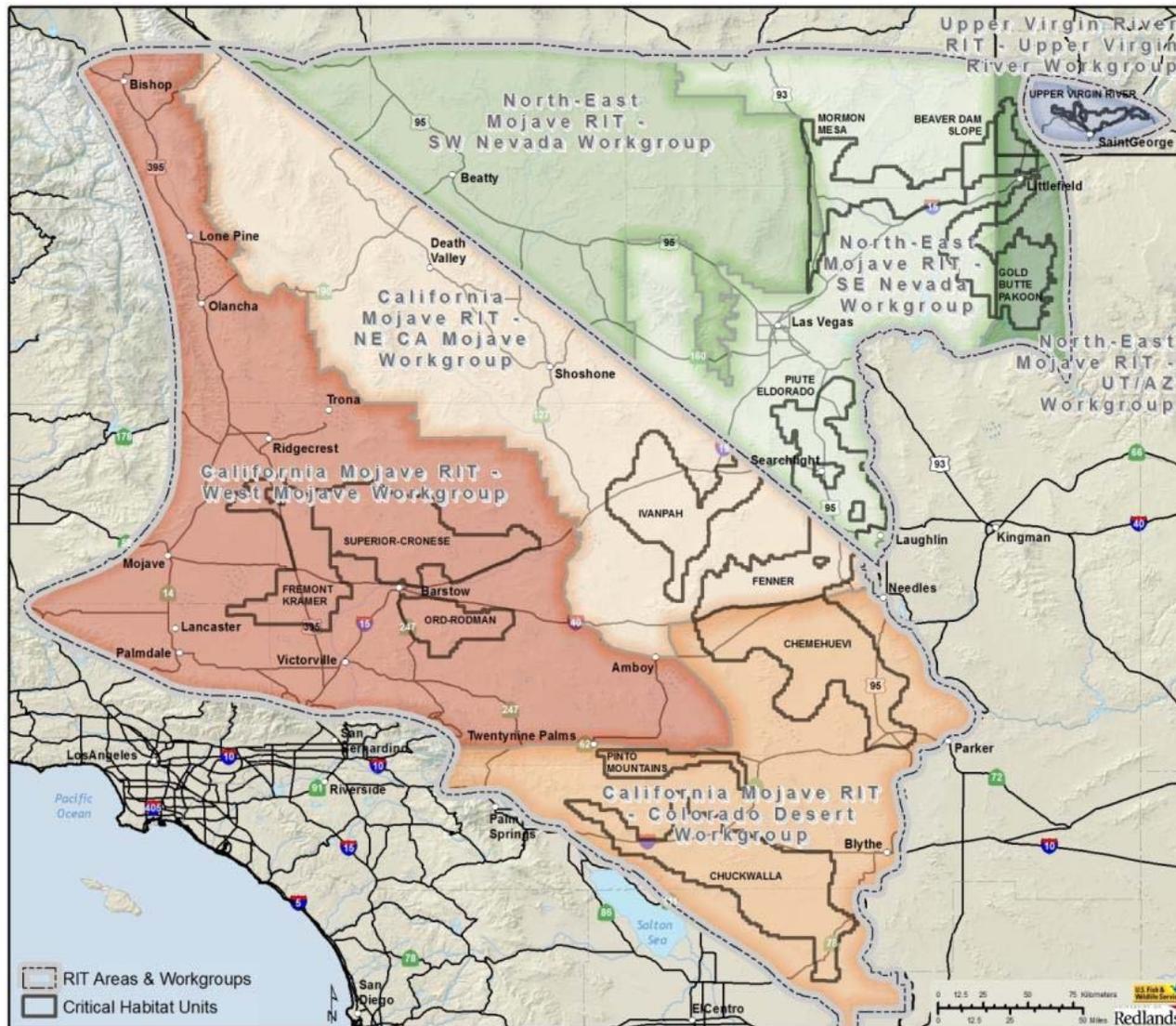
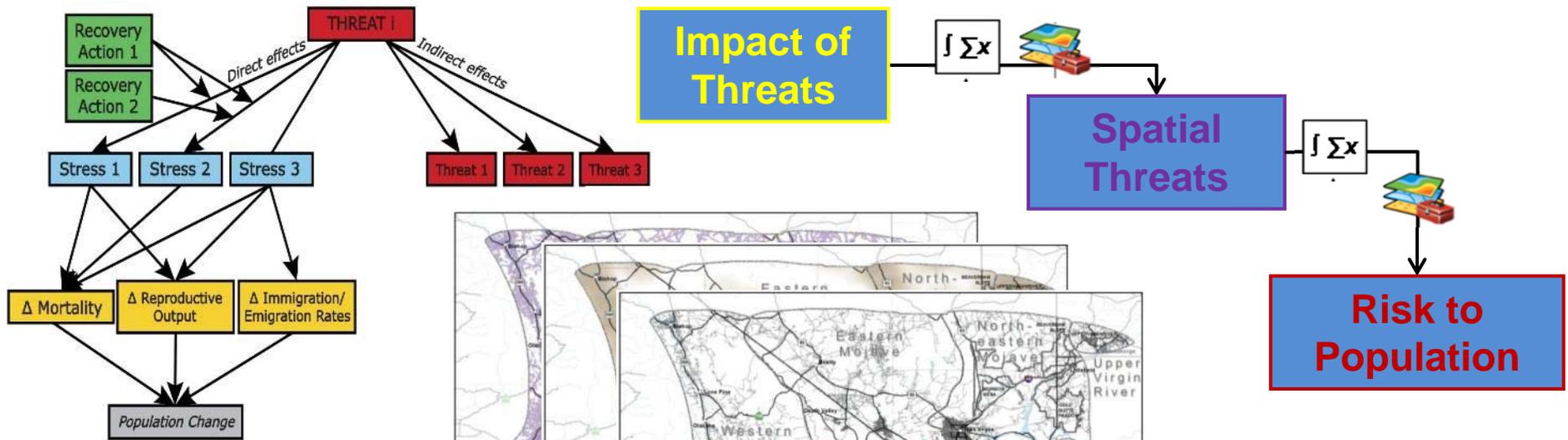


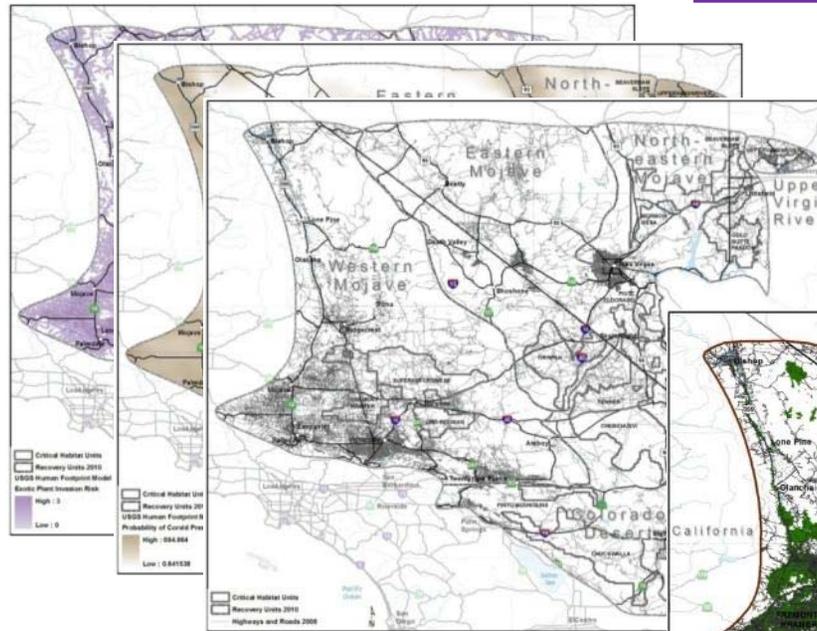
Recovery Implementation Team Update



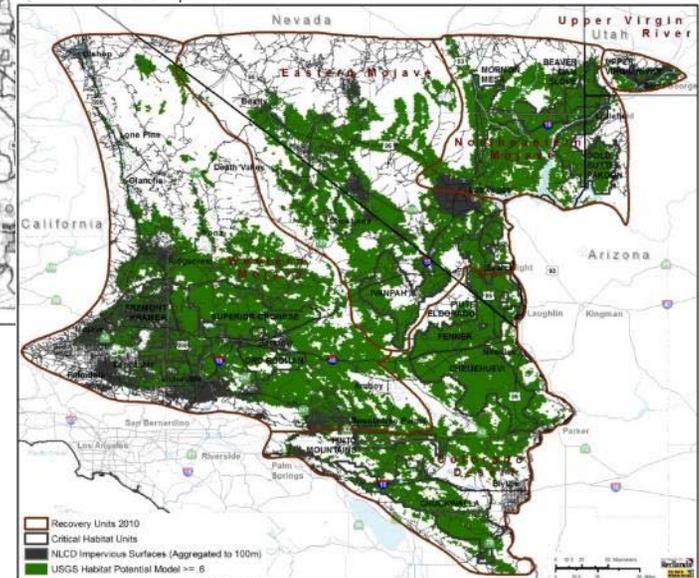
Spatial Decision Support System (SDSS)



Model of how threats and recovery actions affect tortoises

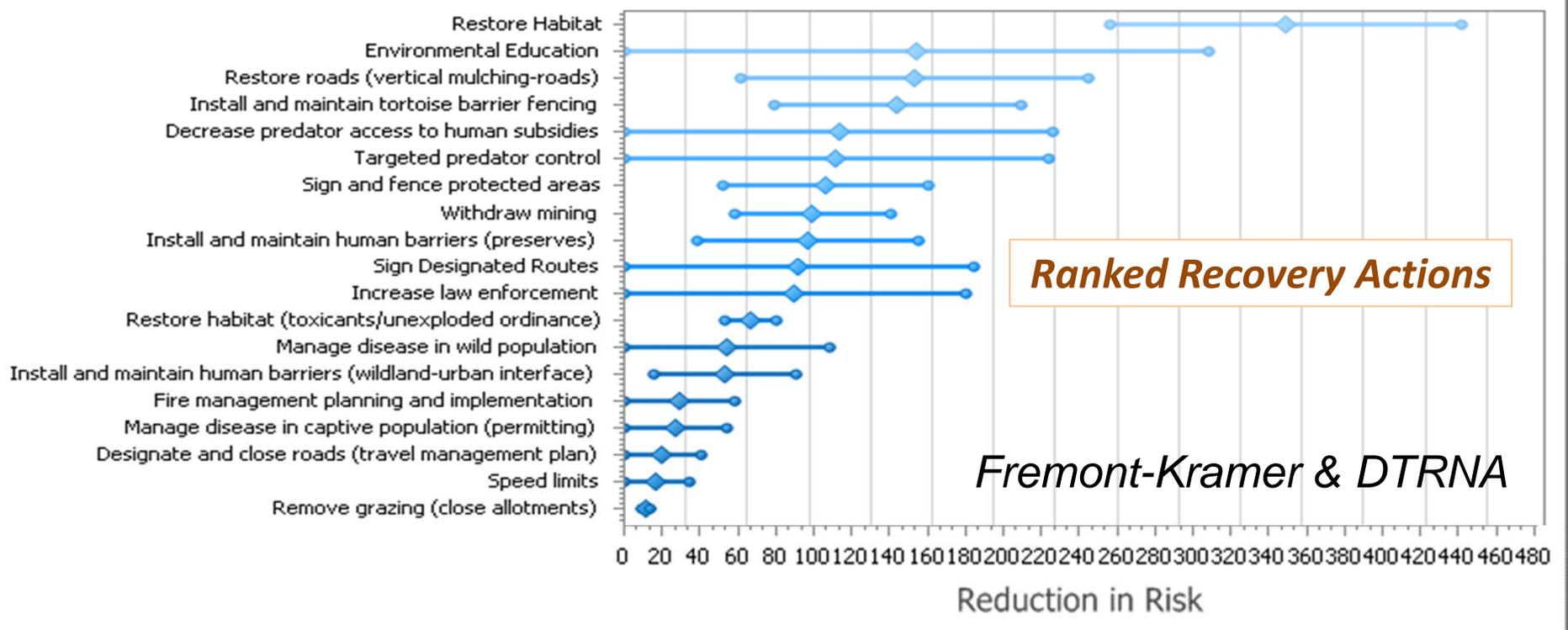
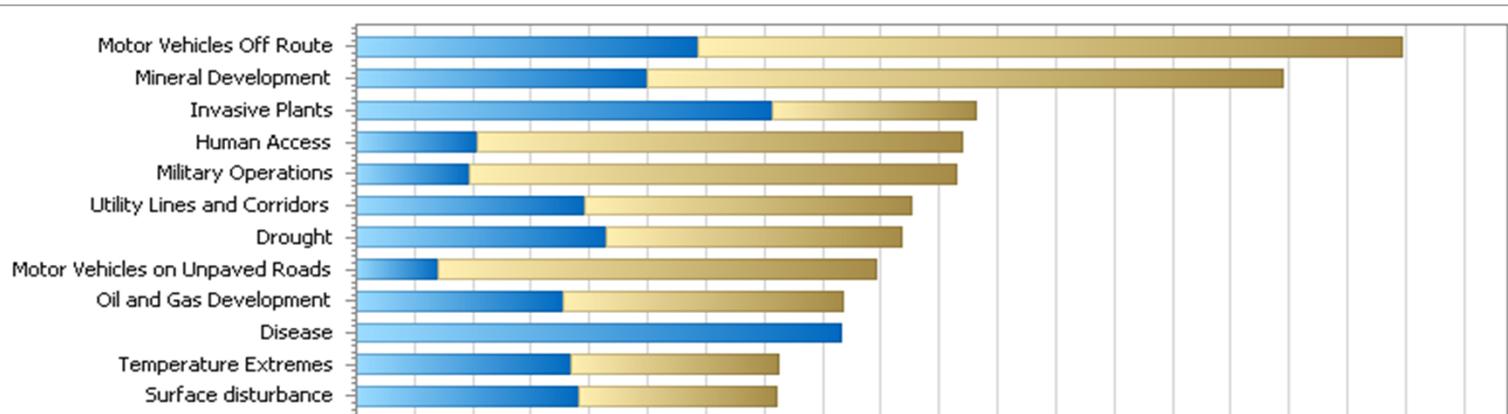


Spatial variation in threats



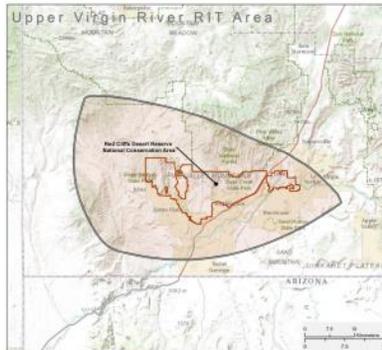
Where we expect tortoises to occur

Spring 2012: Spatial Decision Support System (SDSS)



Recovery Action Plans

RECOVERY ACTION PLAN FOR THE MOJAVE DESERT TORTOISE IN THE UPPER VIRGIN RIVER RECOVERY



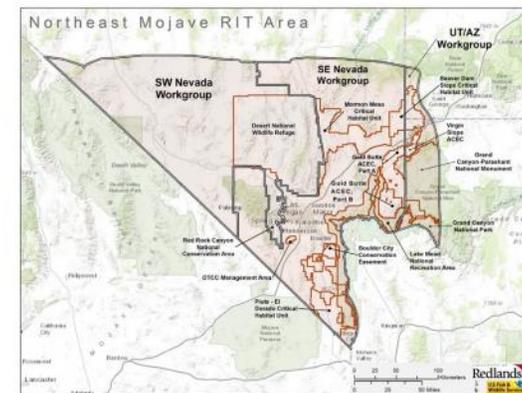
April 2014
Version 1

RECOVERY ACTION PLAN FOR THE MOJAVE DESERT TORTOISE IN CALIFORNIA



April 2014
Version 1

RECOVERY ACTION PLAN FOR THE MOJAVE DESERT TORTOISE IN THE NORTHEAST MOJAVE DESERT

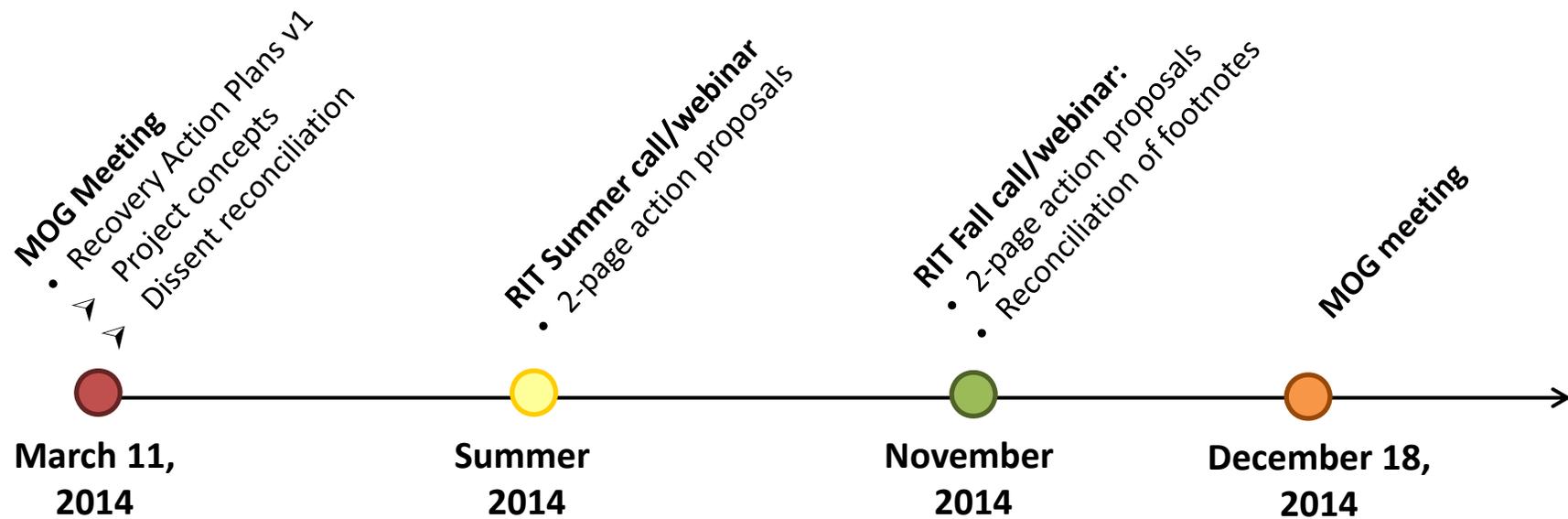


April 2014
Version 1

Recommendations for on-the-ground actions in need of funding to be considered by agencies as budgeting and planning opportunities arise

RIT Timeline

March 2014-March 2015



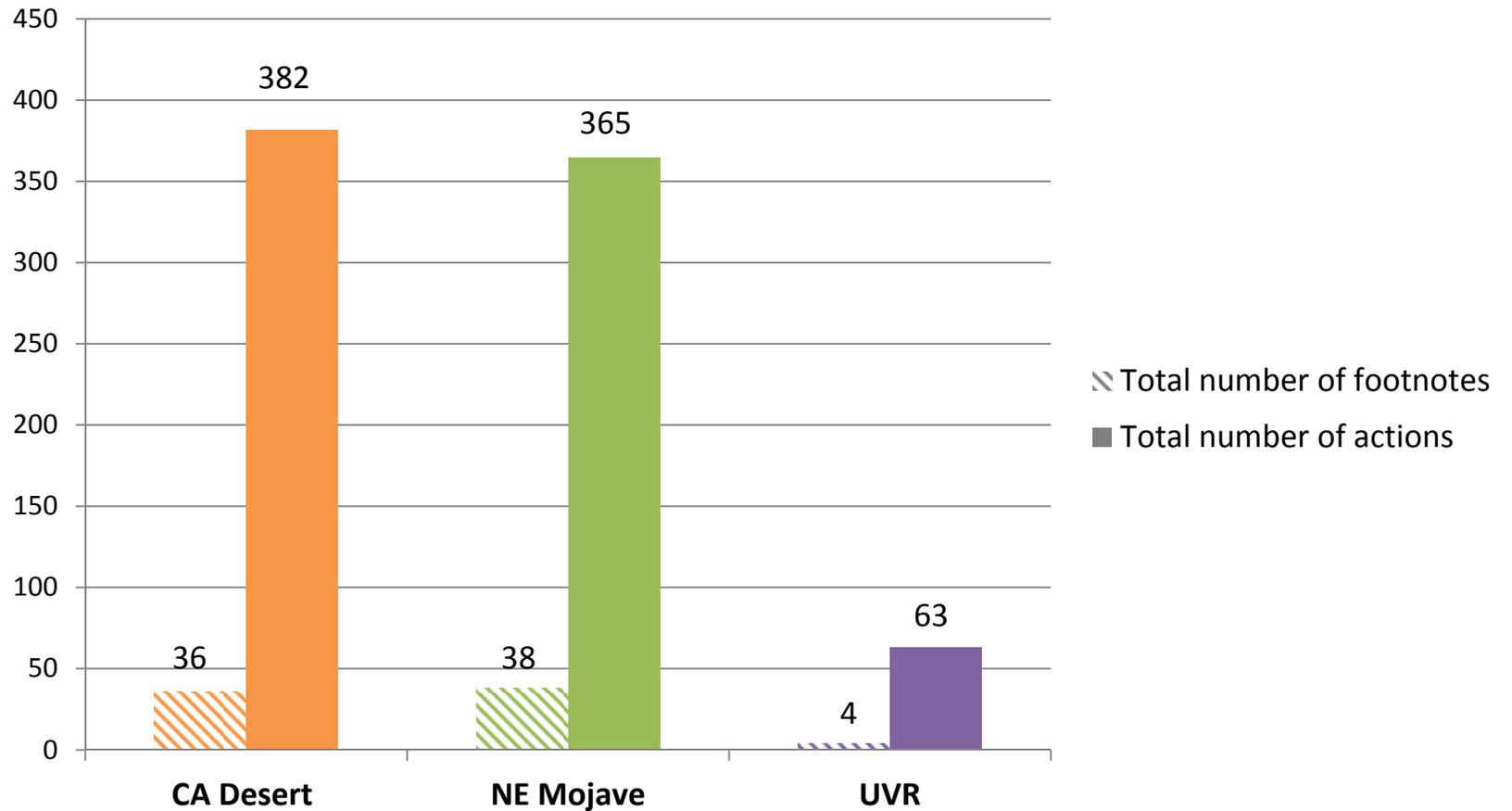
Reconcile Recovery Action Plan Dissents

Facilitate clean-up of footnotes and promote discussion for Recovery Action Plan v2



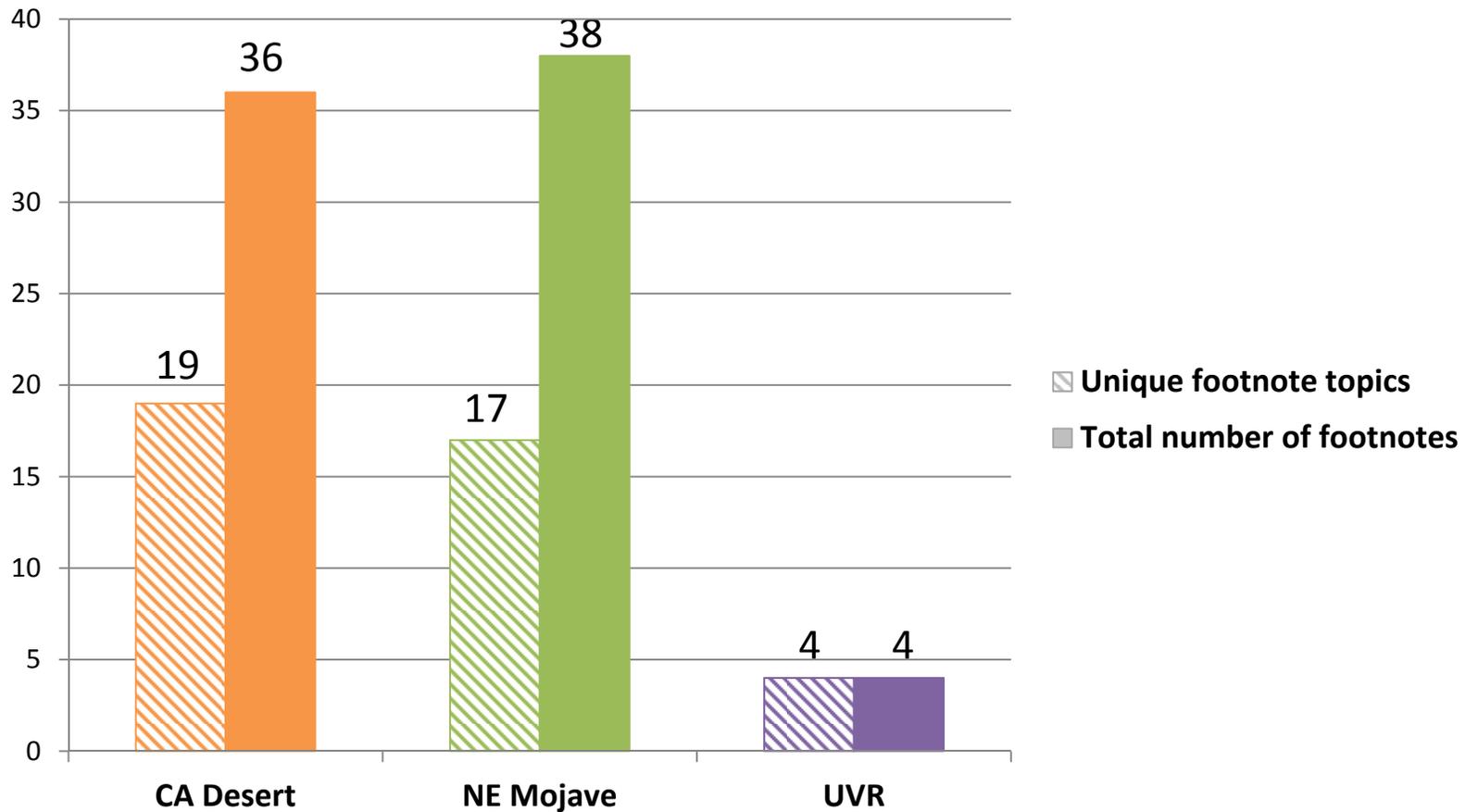
Recovery Action Plan Footnotes

Total RAP footnotes and actions



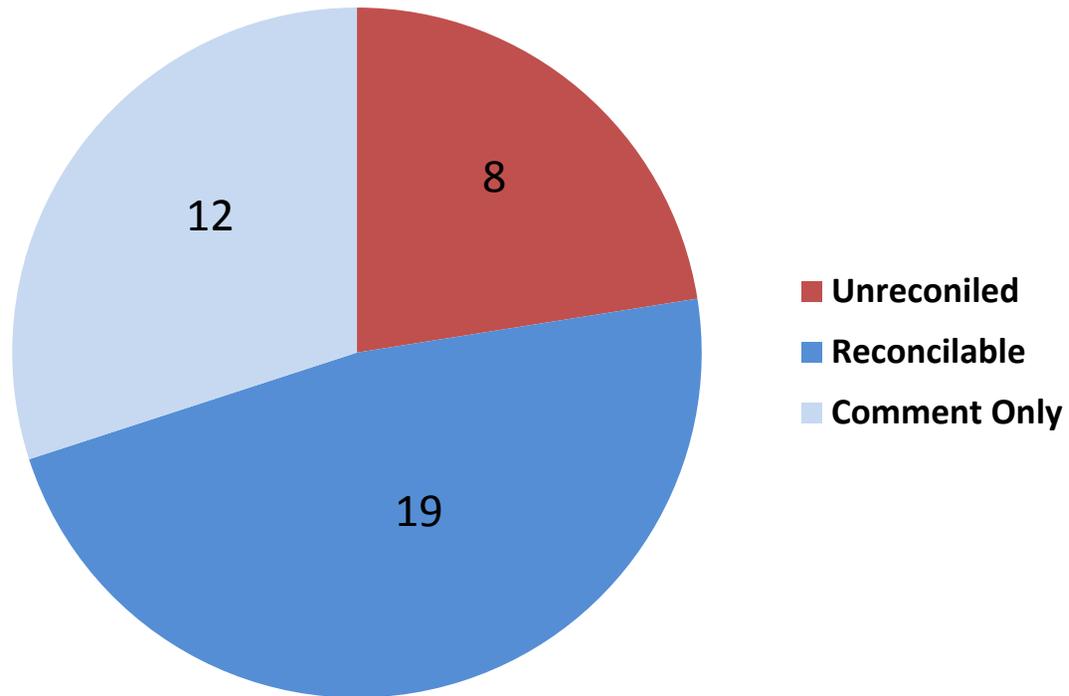
Recovery Action Plan Footnotes

Unique Footnote Topics



Recovery Action Plan Footnotes

All Unique Footnote Topics



8 Unreconciled Footnote Topics

1. Grazing: Not shown to be deleterious to tortoise populations; can contribute to fuel management; need to evaluate effects of livestock removal on tortoise habitat ^{11 footnotes (RIT priority 1,2,3)}
2. Grazing: No data showing grazing benefits tortoises; known impacts ^{4 (1,2,3)}
- ~~3. Herbicides should not be used in habitat restoration ^{4(1,2)}~~
4. Mining: No evidence of deleterious effects on the tortoise ^{3 (2,3)}
- ~~5. Complicated restoration proposal not feasible (watering, containerized plants); problems with herbicide; BFOD still too experimental ¹⁽²⁾~~
- ~~6. Fiber optic line near Corn Creek Road does not warrant restoration ¹⁽³⁾~~
- ~~7. Fencing Red Rock Randsburg, Garlock, & Randsburg Mojave roads not worth investment ¹⁽³⁾~~
- ~~8. Fencing Red Hills Parkway: significant cost; bad PR; neither UDOT nor St. George would agree since have complied with their agreement ¹⁽²⁾~~

Conclusions

- Documentation important to capture various opinions, but not all may be resolvable – that's OK.
- In future versions, place greater emphasis on providing scientific rationale or evidence for dissents.
- Recommendation (DTRO): Begin version 2 in a couple of years, after putting effort into implementation

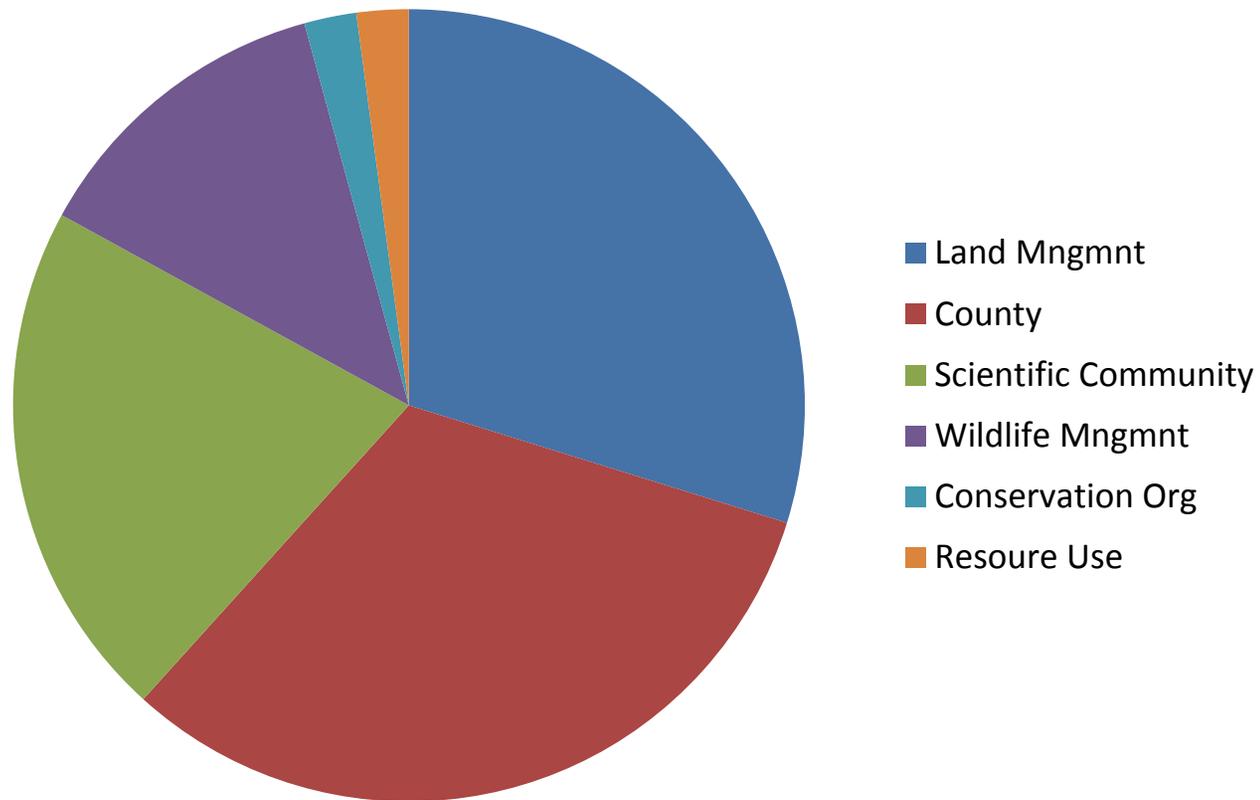
2-Page Project Concepts

*Create site-specific and cost-specific project proposals
tiered off a priority 1 action in Recovery Action Plan*



2-Page Project Concepts

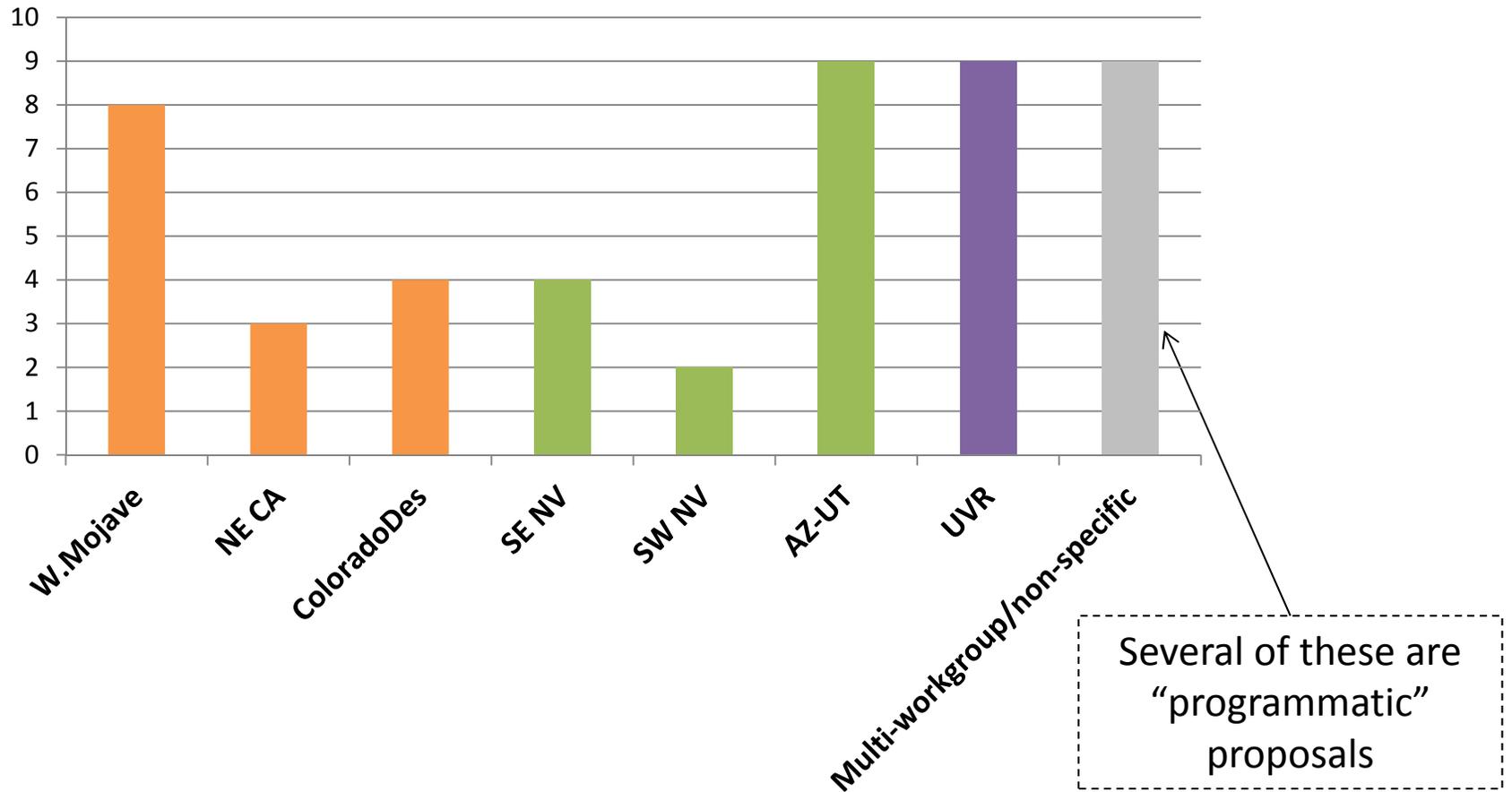
Proposals by RIT Member Category



50 project concepts from 22 RIT members (some more shovel-ready than others)
Plus 5 already-funded projects from Clark County

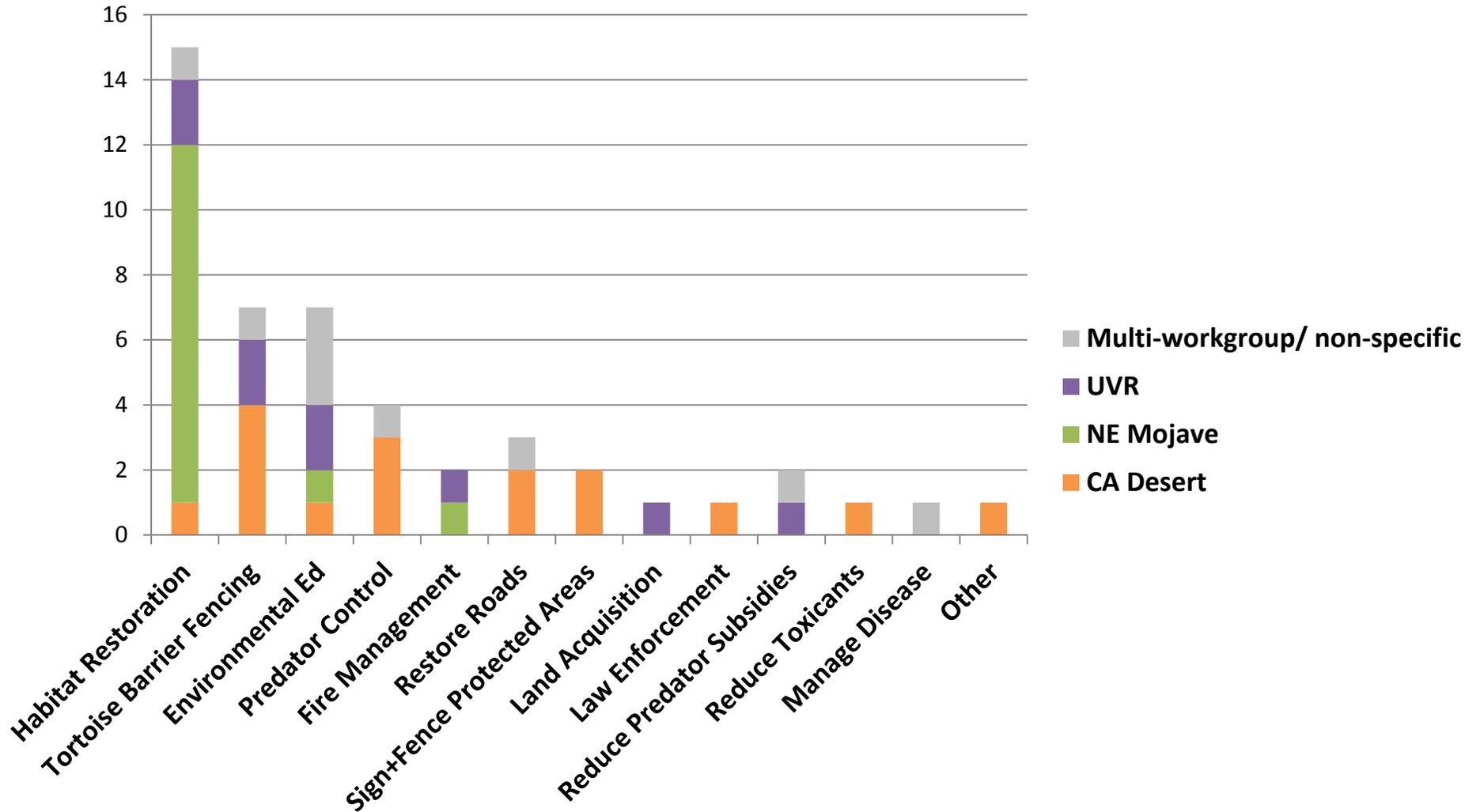
2-Page Project Concepts

Where each proposal would be implemented



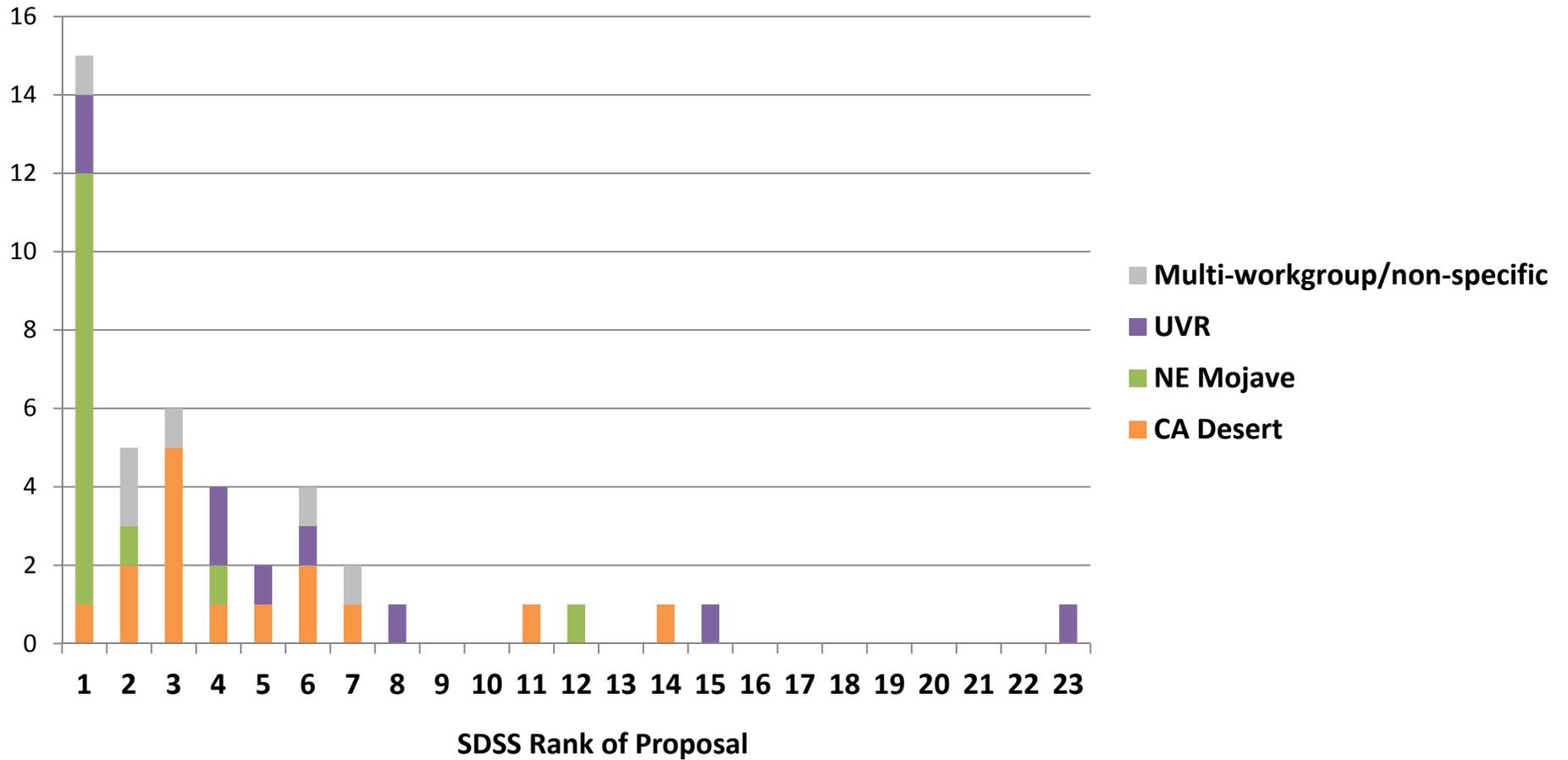
2-Page Project Concepts

Types of RIT Proposals



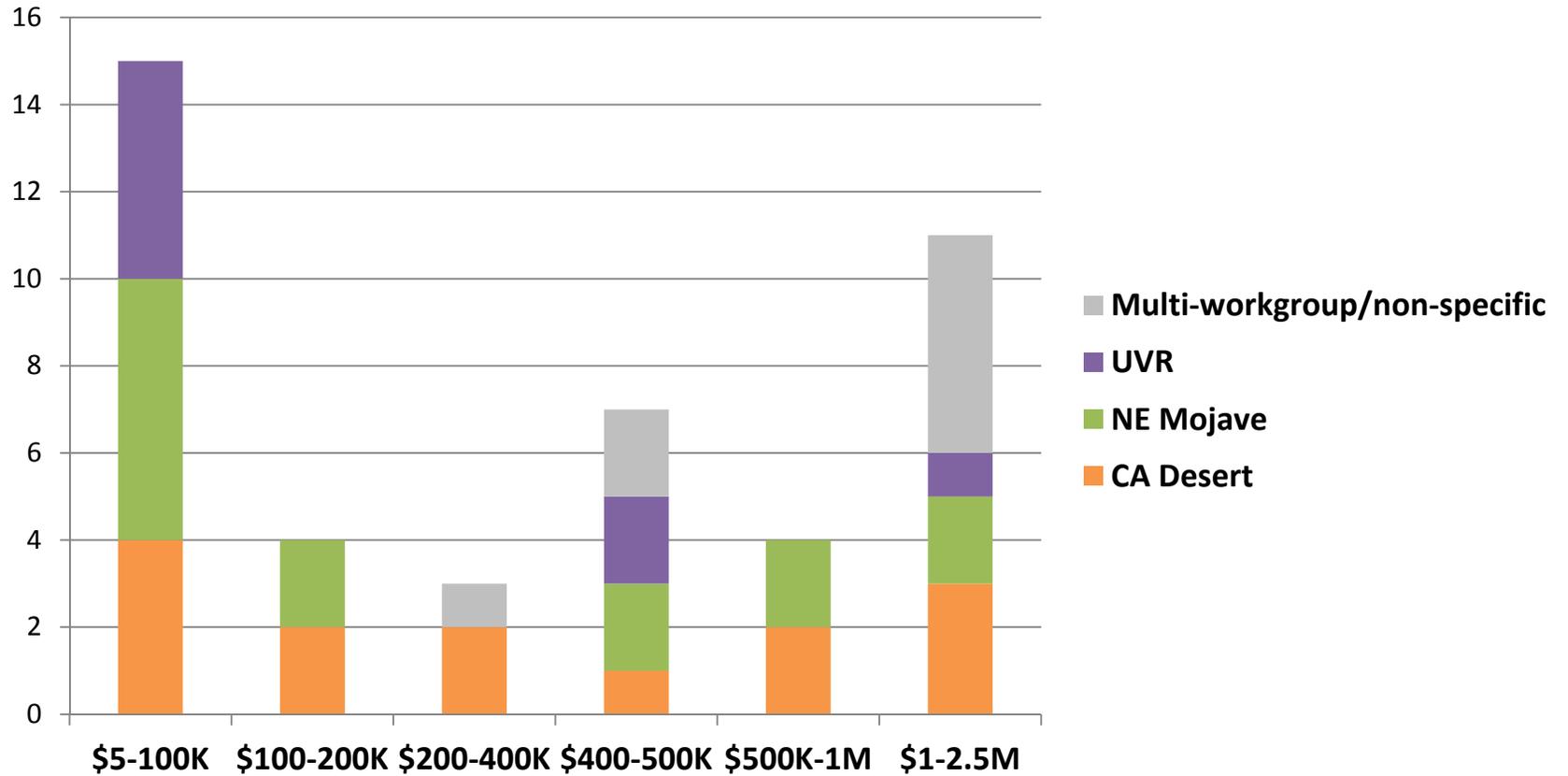
2-Page Project Concepts

SDSS Rank of RIT Proposals



2-Page Project Concepts

RIT Proposals by Budget Request



8 proposals < \$50K < 7 proposals

Conclusions

- Land management should avoid impacting areas important for recovery
- Useful process; more coordination needed
- Implementation success hinges on prioritization
- Range-wide proposals require inter-agency prioritization & commitment

Next Steps

- How do managers want to use the project concepts?
 - Appropriation requests, mitigation, ... ?
- Potential DTRO role
 - Screen concepts: 1) completeness, 2*) “shovel-ready”, 3*) consistent with recovery plan
 - Coordinate with offices/agencies to develop, refine, and implement projects