



# ONGOING MANAGEMENT & MAINTENANCE

- **CULTURAL RESOURCES PROTECTION**

- **FIVE ZONES OF HABITAT**

1. BLUFFS
2. VERNAL POOLS
3. RIPARIAN (OUTSIDE OF WETLANDS)
4. GRASSLANDS
5. WETLANDS

- **PASSIVE RECREATION AREAS**

- **7 URBAN EDGES & 11 ENTRIES**

- **CITIZEN RESTORATION & CLEAN-UPS**

- **OUTREACH & ENVIRONMENTAL EDUCATION**

- **PARK IMPROVEMENT PROJECTS**

# CULTURAL RESOURCE PROTECTION



- Approximately 30 acres
- Two Nationally Registered Cultural Historic Sites
- Highly rare & unique Native American Village
- Federally protected; City has laws to follow
- Fill removal
- Legitimate caps
- Cultural education / Interpretation
- Re-seeding/grasslands



## BLUFFS

- Approximately 15 acres
- 2003 engineering evaluation
- Natural erosion
- Drainage of vernal pools
- Invasive plant material
- Collaboration with OC Parks (see urban edges also)
- Trespassing / trail use
- Fencing
- Tripping hazards
- Dog waste



# VERNAL POOLS

- Approximately 4 - 5 acres pools
- Approximately 30 acres of watersheds
- Finish temporary fencing for v.p. #1
- V.p. #4 received funding for watershed restoration; needs permits
- V.p.'s #5,6,7 received approved permit, restoration plan, and funding; start in January
- Train area pool needs permit, plan, and funding; best educational area for vernal pools
- V.p. #1 continue restoration with fill removal; needs permit, plan, and funding
- All pools are waters of the U.S. requiring City to follow laws; bike hills (fill area) are also listed



# RIPARIAN

- Approximately 5 acres
- Natural drainage has been altered; need restoration on all three locations; need permits, plans, funding
- Grants are available through Prop 68
- Also waters of the U.S. so laws apply

# GRASSLANDS



- Approximately 30 acres
- Requires appropriate cultural resources cap be installed prior to vegetation restoration
- Foster native species; Purple needle grass returning on East side; designated State grass
- Revise / upgrade maintenance practices to remove non-native seed bank
- Conduct fill removal on west side



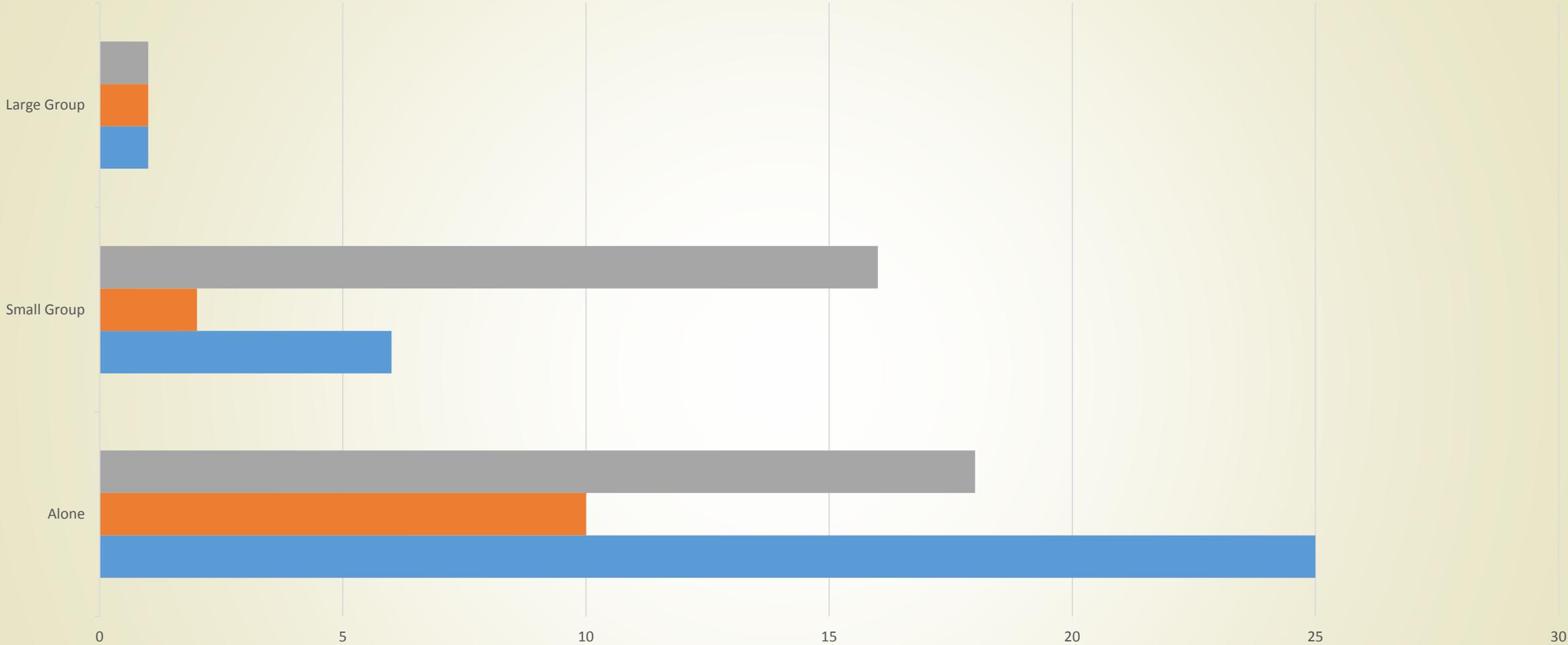
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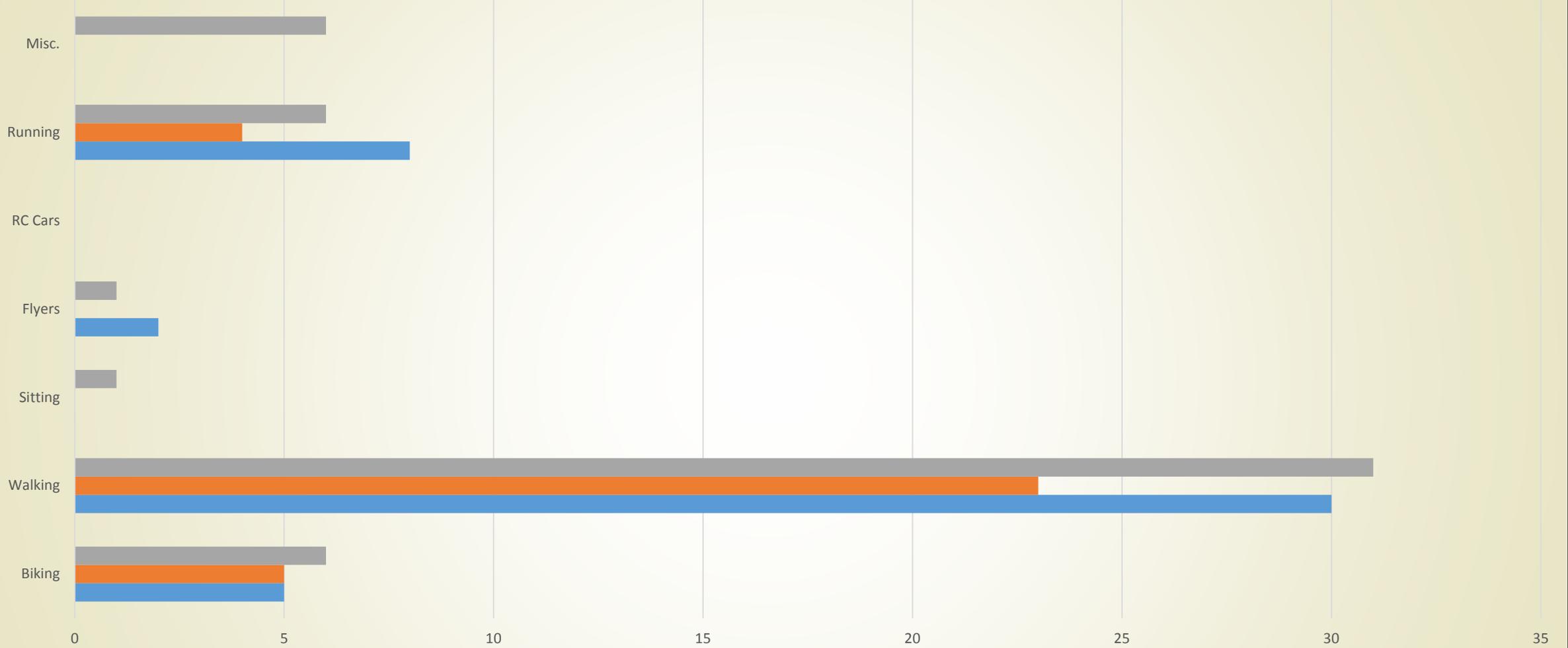
# September Survey: Group Size



	Alone	Small Group	Large Group
■ Nights	18	16	1
■ Afternoons	10	2	1
■ Mornings	25	6	1

■ Nights ■ Afternoons ■ Mornings

# September Survey: Activities



	Biking	Walking	Sitting	Flyers	RC Cars	Running	Misc.
■ Nights	6	31	1	1	0	6	6
■ Afternoons	5	23	0	0	0	4	0
■ Mornings	5	30	0	2	0	8	0

■ Nights ■ Afternoons ■ Mornings





# PASSIVE RECREATION

## 1. 7 plus MILES OF TRAILS

- Various surface materials (DG, dirt, asphalt, gravel); most in need of repair
- Heavily trafficked by individuals, teams, private companies
- One set of stairs at west bluff

## 2. 25 ACRES TRAIN STATION & YARD (appx)

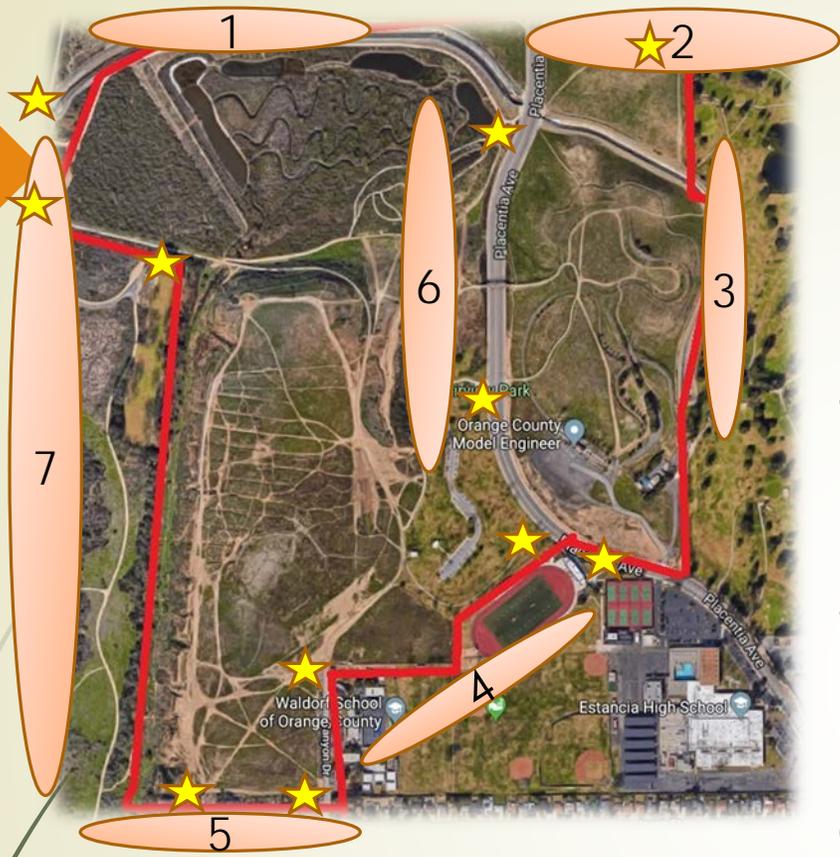
- Public rides once a month; private birthday parties; special events; parking; OCME contract renewal 2018

## 3. 1 ACRE FLYING FIELD (appx)

- Storage container; flying strip; special events; over 300 licensed members (income for City Parks); HSS contract renewal 2019

## 4. 13 ACRES LAWN AREA

- Restrooms, picnic shelter and tables, parking for 130



## 7 URBAN EDGES & 11 ENTRIES★

1. Lower Birds Neighbors
2. Upper Birds Neighbors
3. Golf Course/ Estancia Trail
4. Schools (Waldorf and Estancia)
5. Canyon & Pacific Ave Neighbors
6. Placentia Ave (3 entries: Main, Train, and Wetlands)
7. Talbert Park & SA River Trail (2 entries)



# CITIZEN RESTORATION & CLEAN-UPS

- 2<sup>nd</sup> Saturdays with ICRE (through Dec 2018)
- December 2018 workdays at FVP & Canyon; City to offer once a quarter with different non-profit or others; or combine with Env. Education Days (see next slide)
- Love Costa Mesa Day projects (see next slide)
- Vandersloot Garden
- Can we do large object removal from OR58
- Plan for work with vernal pool 4 and Train Station restoration
- Plan for engagement with riparian restorations



# OUTREACH & ENVIRONMENTAL EDUCATION

- 2<sup>nd</sup> Saturdays with ICRE (through Dec 2018)
- ICRE Ecological Field Studies Program (AP Bio classes from 3 schools) 2018-19
- 2019 planned:
  - January 12<sup>th</sup>, Tour of Vernal Pools
  - February 2<sup>nd</sup>, *World Wetlands Day* Tour and Sea & Sage Audubon Walk
  - March 3<sup>rd</sup>, *World Wildlife Day* Celebration
  - April 22<sup>nd</sup>, *Earth Day*
  - May 18<sup>th</sup>, *Love Costa Mesa Day*
  - June 1st, *National Trails Day*



# PARK IMPROVEMENT PROJECTS

- Pacific Ave Turnaround
- South West drainage
- Placentia Ave Connector Trails
- East side entry way
- Cross walk at wetlands entry, Placentia Ave.
- Vernal Pool fencing