



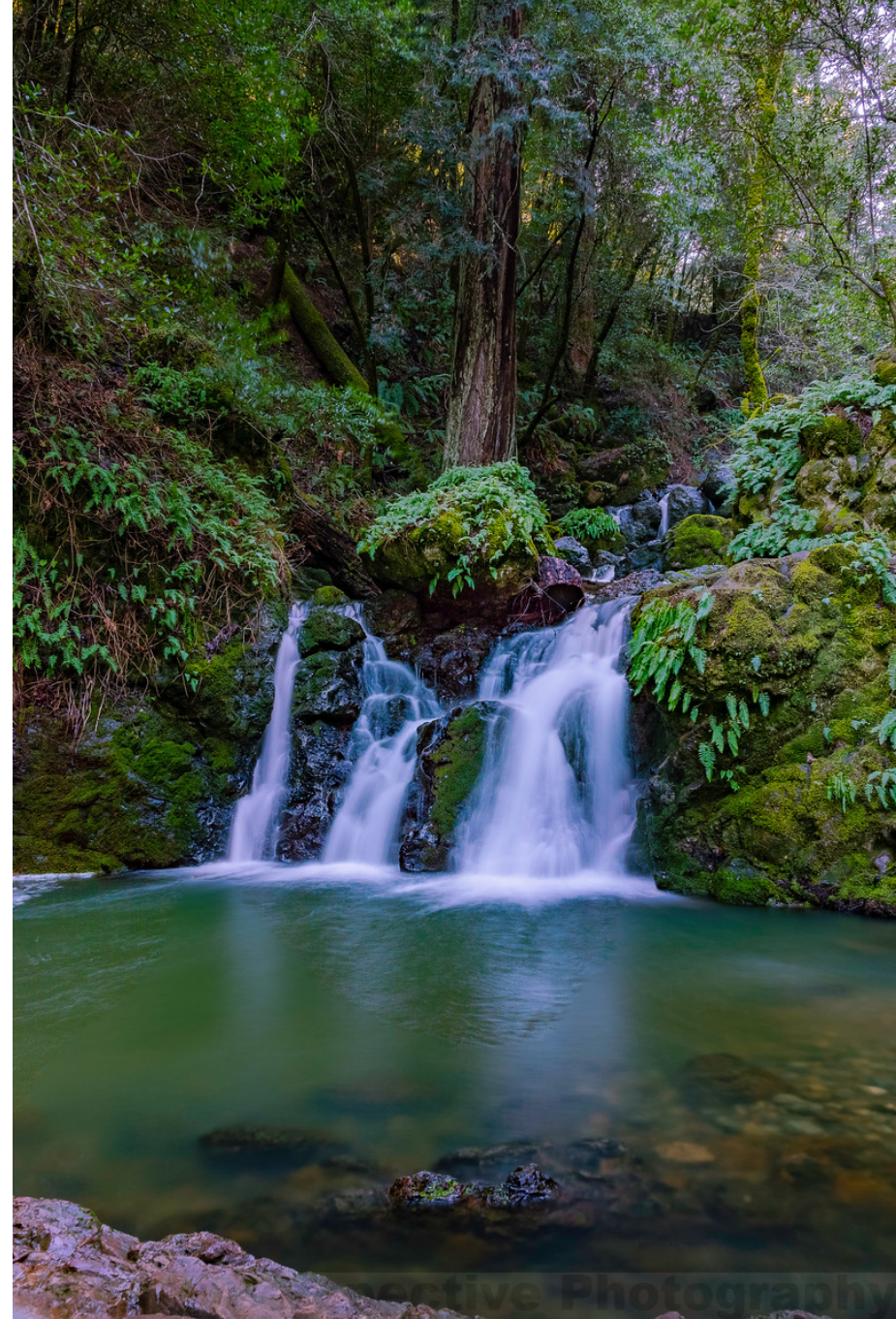
# **Watershed Regulations & Enforcement**





# Outline

- Overview of Ranger Activities
- Watershed Visitor Issues and Approaches to Address Them
  - Regulations
  - Enforcement
  - Education and Outreach
  - Engineered Controls
  - Additional Resources
- Summary and Next Steps





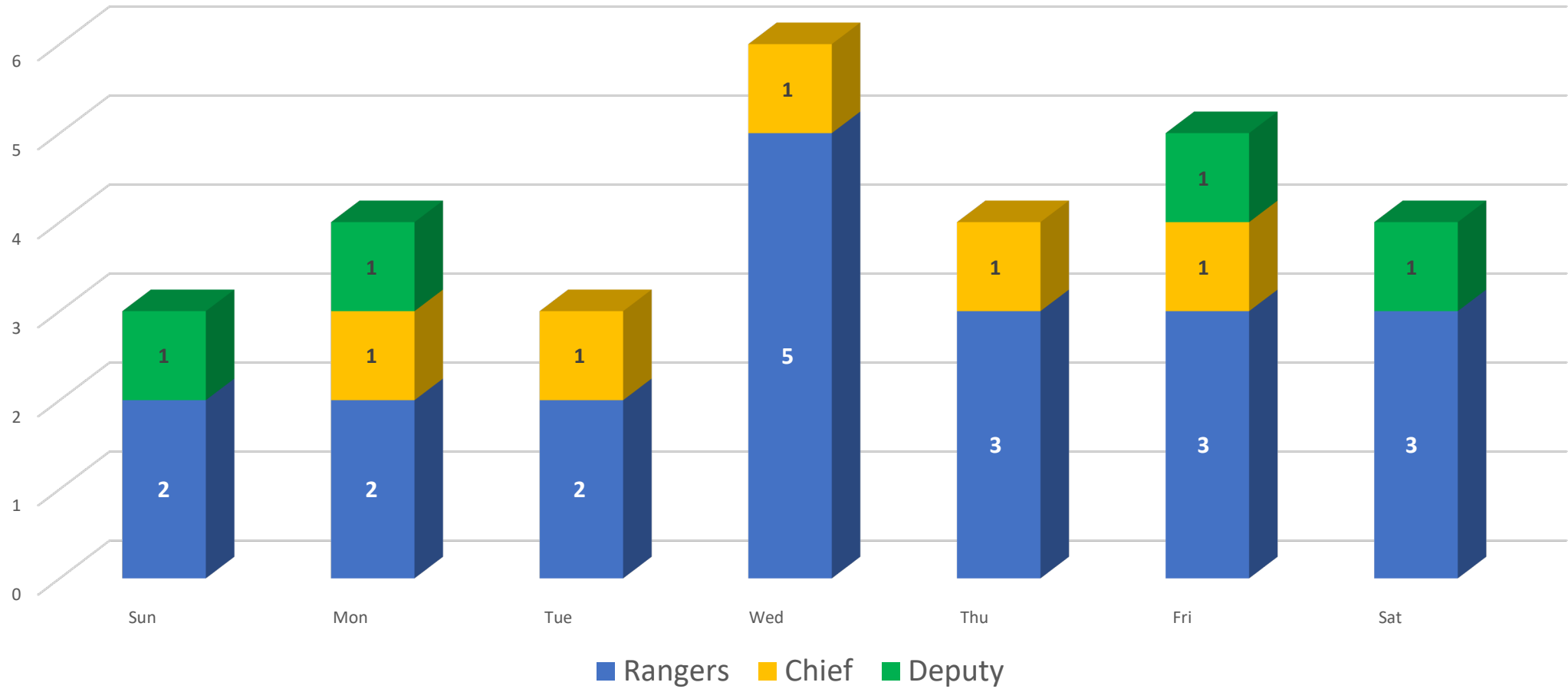
# Ranger's Roles & Responsibilities



# Ranger Enforcement Stats

Event Type	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Parking Citations Issued	n/a	170	118	262	581	931	968	671	916	863	1355
Nonpayment of Day Use Fee Citations^	n/a	n/a	90	218	525	850	913	603	836	758	1028
Citations Issued (Notice to Appear)	151	121	106	125	210	163	136	86	85	73	73
Total Citations	n/a	291	224	387	791	1094	1104	757	1001	936	1428
Arrests	3	1	2	3	0	1	0	0	2	2	0
Medical Aid	39	37	48	41	34	42	41	70	54	69	115
Search and Rescue	9	20	5	12	10	2	28	31	37	34	66
Off Watershed Fire Response or Coverage	0	0	0	0	0	1	2	11	5	2	1
Watershed Fires	2	1	2	2	3	4	1	5	1	1	1
Outreach and Visitor Assists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	752	1466	1544
Warnings	n/a	n/a	n/a	n/a	n/a	n/a	n/a	235	1040	953	2684
MISC calls and events	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	151	320	267
Total Number of Documented Incidents and Events	n/a	501	406	554	926	1262	1446	1671	3520	4239	6793

# Staffing Levels





# Agency\* Comparison

Agency	Total Rangers	Field Rangers	Acreage	Acres per Ranger	Miles of Trails and Roads	Miles per Ranger
CCWD	3	3	20,000	6,667	61	20
MMWD	6	5	21,600	4,320	220	44
Point Reyes NPS	10	9	71,055	7,895	150	17
Marin County OSD	13	10	16,000	1,600	250	25
EBMUD	20	20	29,000	1,450	90	5
Sonoma County Regional Parks	23	19	13,000	684	177	9
Midpeninsula ROSD	32	29	63,000	2,172	245	8
Santa Clara Co Parks	57	52	52,000	1,000	200	4

\* The Ranger's roles and responsibilities vary among agencies

# Watershed Visitors Issues of Concern

- Visitor Conflicts
    - Overcrowding of trails
    - Dogs off leash
    - Conflicts among users
  - Bicycle Related Issues
    - Speeding
    - Illegal use of hiking trails
    - Impacts to natural resources
- \*Majority of bicycles are following regulations and recreating responsibly*

# Approaches to Address Watershed Visitor Issues



# Approach to Address Visitor Conflict Issues

- **Regulations**
- **Enforcement**
- **Education and Outreach**
- **Engineered Controls**

# Review and Update Regulations

- Regulation Updates
  - Speeding in slow zones
  - Fine for bicycles in natural areas/social trails
  - Bicycle rides after hours
  - Trail construction or damage to natural resources

# Review Fines and Sections for Possible Updates

\* New Section

<b>*9.04.03 (a)</b>	I	<b>Speeding in Slow Zone</b>	\$ 35
<b>Proposed</b>	I	Second Offense	\$ 185
<b>Proposed</b>	I	<b>Third and Additional Offenses</b>	<b>\$ 300</b>

\* New Sections

<b>*9.04.02 ( e )</b>	I	<b>Riding in Natural Areas/Social Trails</b>	\$ 50
	I	Second Offense	\$ 185
	I	Third and Additional Offenses	\$ 500

\* New Sections

<b>*9.04.02 (f)</b>	I	<b>Nighttime Riding (Park Closed)</b>	\$ 50
	I	Second Offense	\$ 185
	I	Third and Additional Offenses	\$ 500

<b>9.03.06</b>	I	<b>Trail Construction</b>	\$ 35
<b>Proposed</b>	I	<b>Second and additional Offense</b>	<b>\$ 200</b>



# Review Con't

<b>9.04.02 (a)</b>	<b>I</b>	<b>Bike on Trail</b>	<b>\$ 35</b>
	<b>I</b>	<b>Second Offense</b>	<b>\$ 185</b>
<b>Current</b>	<b>I</b>	<b>Third and Additional Offenses</b>	<b>\$ 185</b>
<b>Proposed</b>	<b>I</b>	<b>Third and Additional Offenses</b>	<b>\$ 500</b>

<b>9.04.03</b>	<b>I</b>	<b>Speed Limits</b>	<b>\$ 35</b>
<b>Proposed</b>	<b>I</b>	<b>Second Offense</b>	<b>\$ 185</b>
<b>Proposed</b>	<b>I</b>	<b>Third and Additional Offenses</b>	<b>\$ 300</b>

<b>9.05.01</b>	<b>I</b>	<b>Dog off leash</b>	<b>\$ 35</b>
<b>Proposed</b>	<b>I</b>	<b>Second and additional Offense</b>	<b>\$ 100</b>

\* New Section

<b>*9.07.01 ( a )</b>	<b>M</b>	<b>Fire During Red Flag</b>	<b>\$ 1,000</b>
-----------------------	----------	-----------------------------	-----------------

# Enhance Enforcement Practices

- Confiscating bikes for repeat offenders
- Restrict repeat offenders use of watershed
- Additional monitoring of problem areas with trail cameras
- Routine evening patrols to address after hour usage
- Enhanced usage of LIDAR speed monitoring
- Increase planned operations to interrupt

# Consideration of Additional Resources

## Assuming two additional rangers

- Additional 10 to 15 miles of hiking trail patrolled weekly
- Increase after hours patrols from once to twice a month
- Provides daily Ranger coverage for all watershed patrol zones
- Modify staffing design to include dedicated bike monitoring on certain days
- Increased “focused patrols” to deal with known “hot-spots” where there are issues with illegal activities such as bicycles on single track trails



# Education and Outreach

- Enhance monthly Ranger outreach activities schedule to educate watershed visitors and increase stewardship
  - Coffee with a Ranger
  - Slow and Say Hello
  - Watershed Ambassador events
  - Work with One Tam's Roving Ranger program
  - Volunteer event support
- Evaluate additional outreach and education programs as part of watershed recreation plan

# Engineered Controls

- Continued expansion of speed zones and high use areas
- Consideration of trail modifications
  - Consider one-way direction multi use trails, trails or fire roads
  - Consider downgrading and reclassifying roads to multi use trails
  - Consider alternate days of the week for different user groups
- Evaluate these and other engineered controls as part of the Watershed Recreation Plan

# Summary and Next Steps

- Budget for additional Ranger
  - FY2022
  - FY2023
- Prepare Field Training program
  - Update training of Field Training Officers
  - Update Field Training Program to current POST standards and requirements
- Update District ordinances, fines and fees
- Evaluate engineered controls as part of the proposed Recreation Plan