

# **Integrated Pest Management Program Update**

**EBMUD & EBRPD Liaison Committee**

**September 13, 2019**

# Agenda



- IPM program review
- 2018-19 progress update
- Next steps

# District IPM Program



- Comprehensive, systems-based process
- Control methods include biological, physical, cultural, and chemical
- Method used is based on pest and site conditions
- Minimize impacts to humans, environment, non-target organisms

# Types of District Property



- Facilities (East Bay and Upcountry)
- Aqueduct rights-of-way
- Watersheds



# Facility Example





# Facility Example





# Aqueduct Right-of-Way Example





# Watershed Reservoirs





# Watershed Open Space Example



# Pest Management Objectives



- Employee and public safety/security
- Regulatory drivers
  - Division of Safety of Dams
  - Fuel management/fire access
- Flood control/drainage
- Infrastructure management/protection
- Habitat management
- Aesthetics



# Third Party Review



- Blankinship & Associates hired in 2018
- District staff knowledgeable and have a good foundation in IPM
- Recommendations for improvement
  - Enhanced training
  - Enhanced communication
  - Consistent records management
  - Standardize qualifications, decisions, and activities

# Enhanced Training



- Standardize training
  - Developed annual training
  - Training in April 2018 and March 2019
- Create a forum for sharing challenges and successes
  - Monthly workgroup meeting
  - Annual check-In meeting





# Enhanced Communication



- Require Pest Control Advisors to make site visits and interview staff
  - Leverage existing PCAs
  - New third-party independent PCA contract
- Involve District biologists in the pest management process
  - Biologist sessions at IPM training
  - Staff level consultations

# Enhanced Communication



- Improve communication with the public
  - Public meetings in January 2019
  - New IPM email address
  - New field brochures
  - Updated District IPM webpage

A brochure titled 'Integrated Pest Management' with a background image of a green field with yellow wildflowers under a blue sky. The brochure contains information about public meetings and pest management techniques.

## Integrated Pest Management

### Public Meetings

Opportunity to learn how EBMUD manages pests

The East Bay Municipal Utility District makes decisions about managing pests such as invasive plants, insects and rodents using a carefully planned set of tools which may include a combination of techniques including selective planting, mulching, mowing, grazing, pruning, natural predation, controlled burns and spraying. EBMUD is holding a series of public meetings to share details on its Integrated Pest Management Program.

#### PUBLIC MEETING INFORMATION

<b>STOCKTON</b>	
DATE:	January 10, 2018
LOCATION:	San Joaquin Farm Bureau
ADDRESS:	3290 North Ad Art Road Stockton, CA 95215
<b>WALNUT CREEK</b>	
DATE:	January 16, 2018
LOCATION:	Lindsay Wildlife Museum
ADDRESS:	1931 1st Avenue Walnut Creek, CA 94597
<b>OAKLAND</b>	
DATE:	January 23, 2018
LOCATION:	EBMUD Admin. Building
ADDRESS:	375 11th Street, 2nd Floor Oakland, CA 94607
<b>VALLEY SPRINGS</b>	
DATE:	January 30, 2018
LOCATION:	McLean Hall, Pardee Center
ADDRESS:	3535 Sandretto Road Valley Springs, CA 95252

All meetings will begin at 6:00 pm.

#### QUESTIONS?

[ipm@ebmud.com](mailto:ipm@ebmud.com)  
[ebmud.com/sustainability](http://ebmud.com/sustainability)

The EBMUD logo is located at the bottom left of the brochure.

MULCHING • CONTROLLED BURNS • MOWING • GRAZING  
PRUNING • NATURAL PREDATION • SELECTIVE PLANTING • SPRAYING

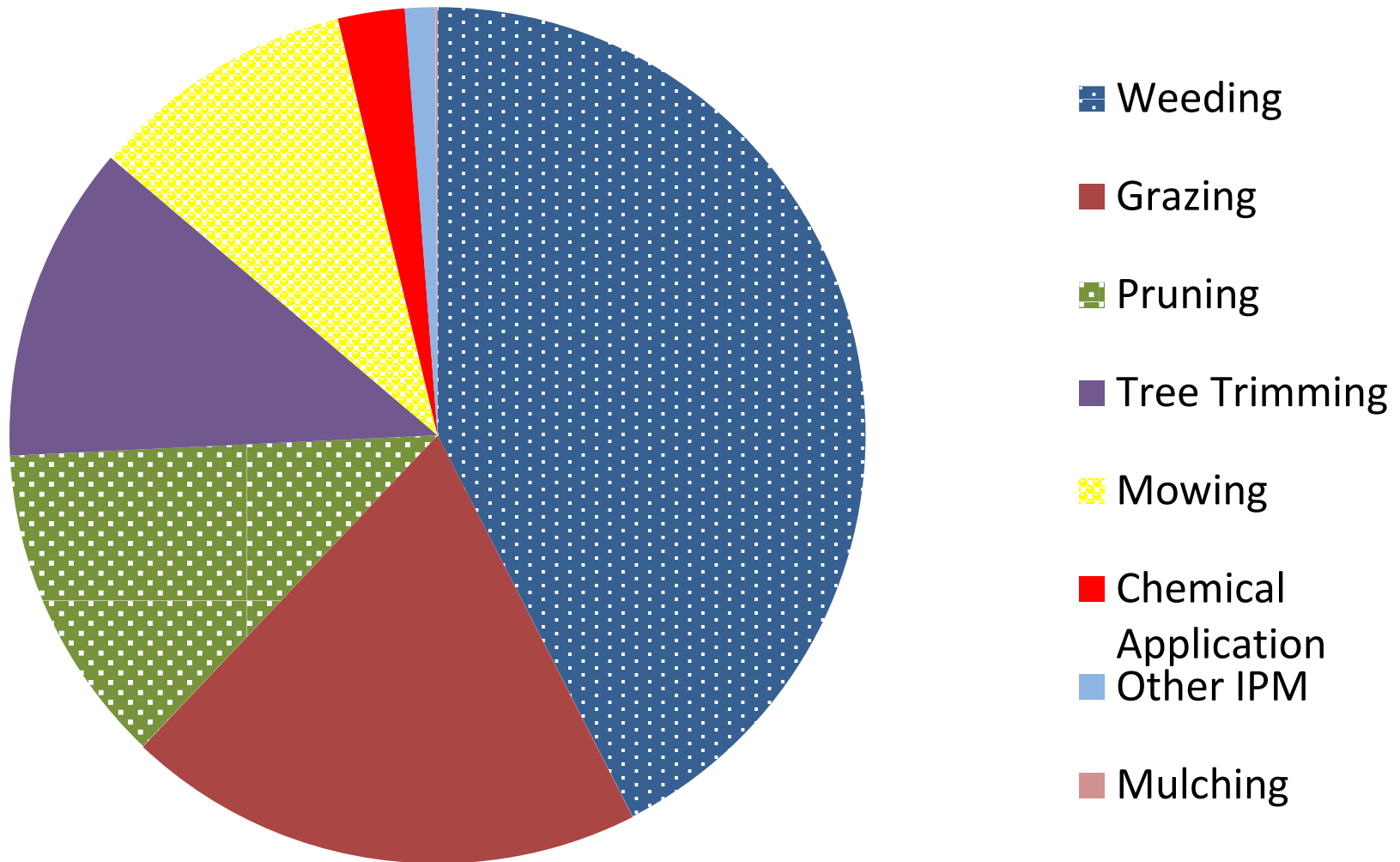


# Consistent Records Management



- Create decision process document
  - Describes goals, pests, monitoring, control methods, etc.
  - Approximately 400 sites completed
- Electronic data collection
  - Developed database and field forms
  - Documented pest management activity
  - Improved regulatory reporting and data analysis

# IPM Methods Used in 2018: Districtwide

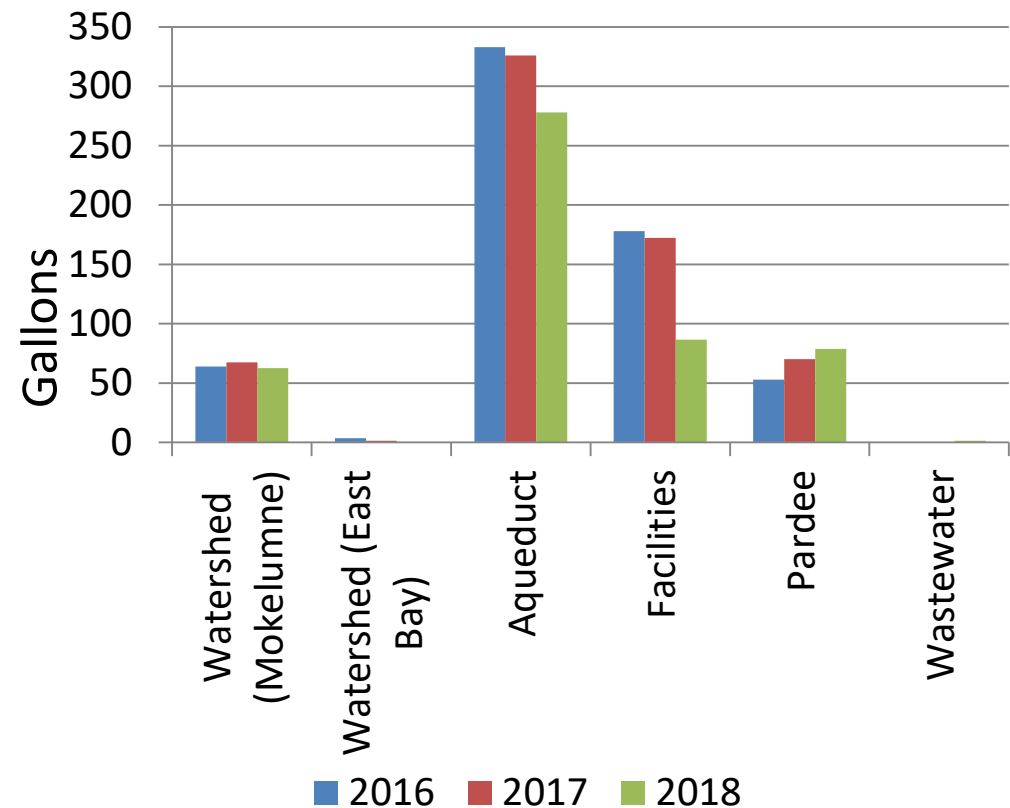


Staff Hours Dedicated to Method Type

# EBMUD Pesticide Use Trends: 2016-2018



- Reducing pesticide use
- Pesticide use in the East Bay open watershed space eliminated





# Next Steps

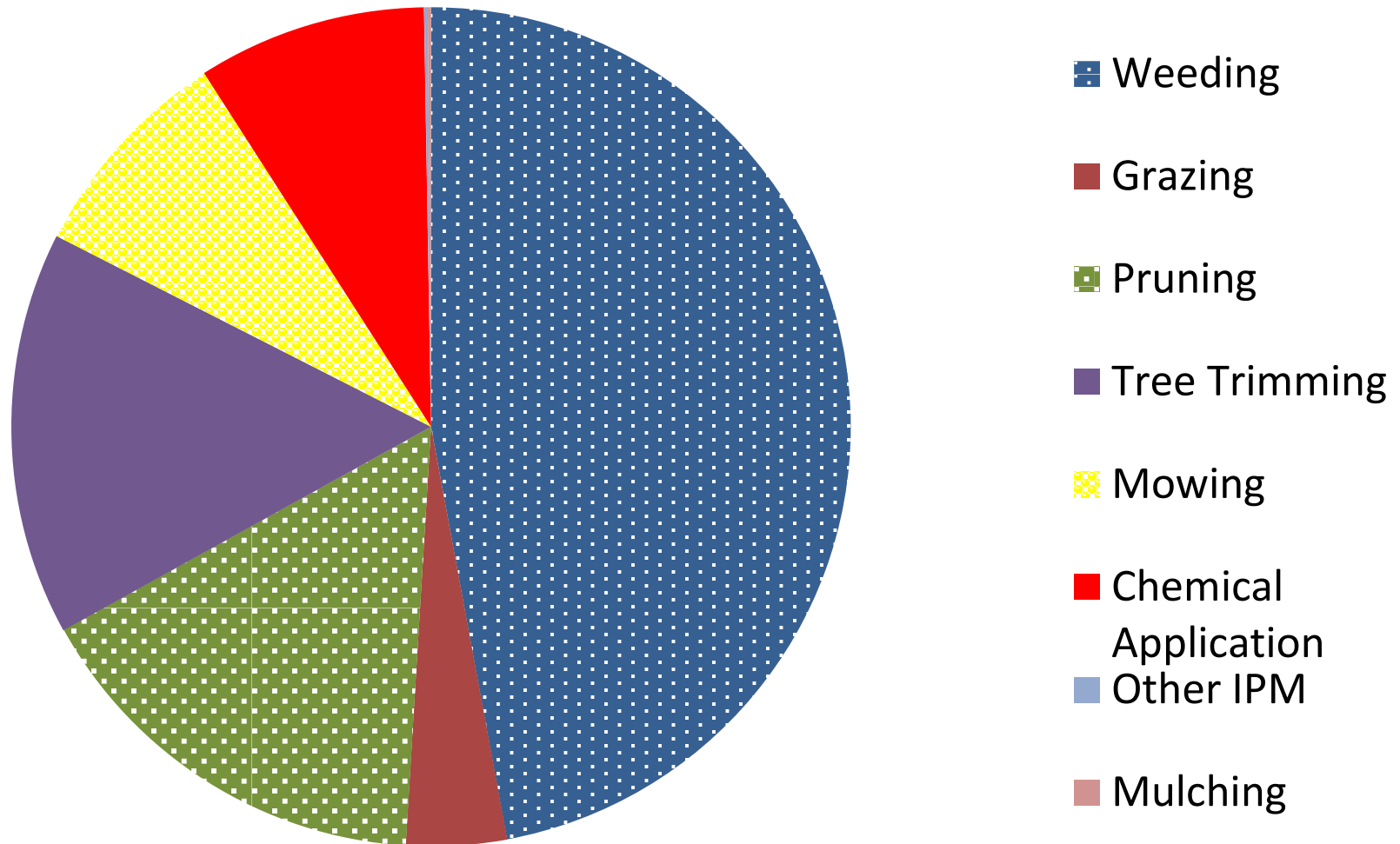


- Independent PCA reviews on priority sites
- Continue public outreach
- Evaluate IPM guidelines update
- Equipment procurement

# Questions



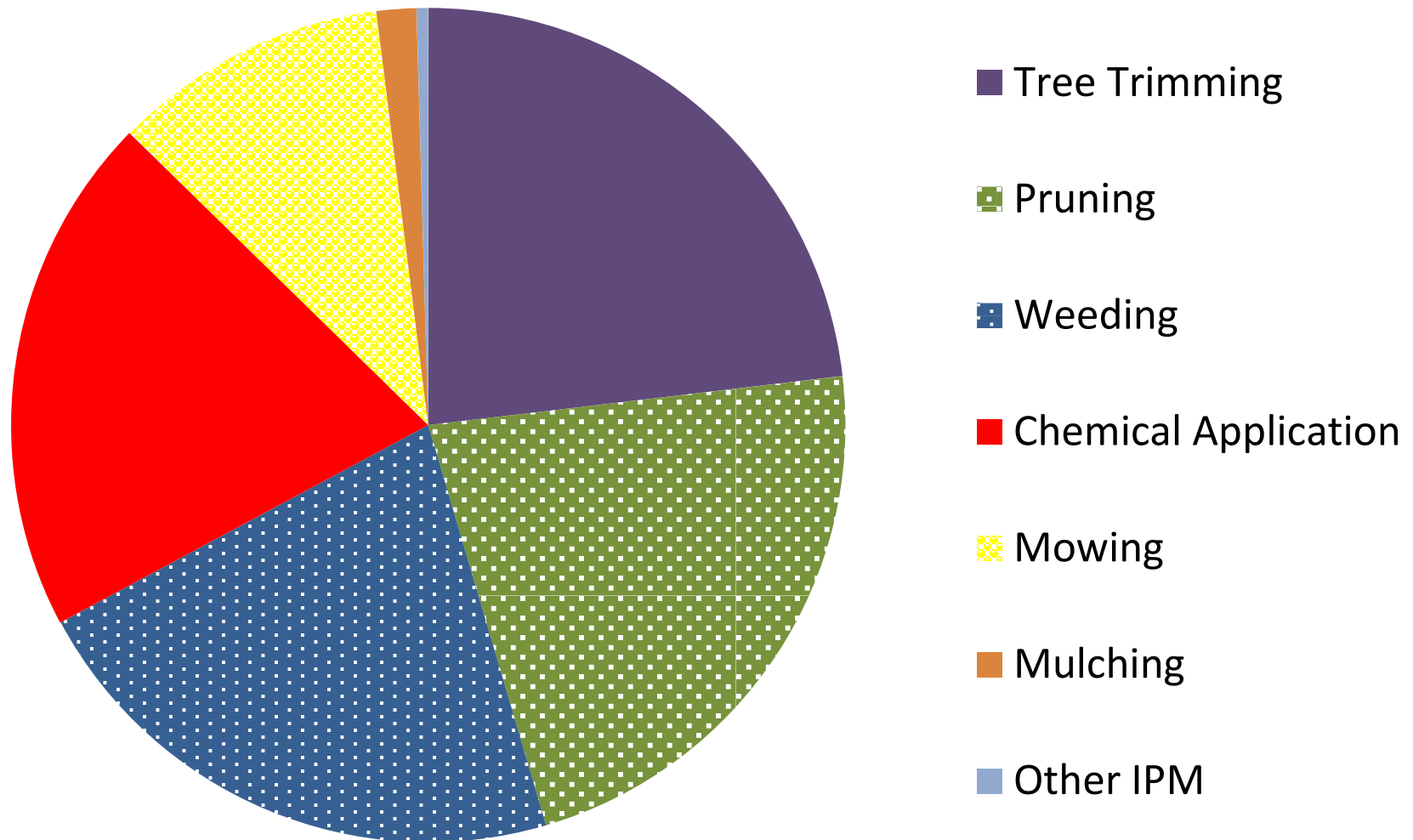
# IPM Methods Used in 2018: Facilities



Staff Hours Dedicated to Method Type

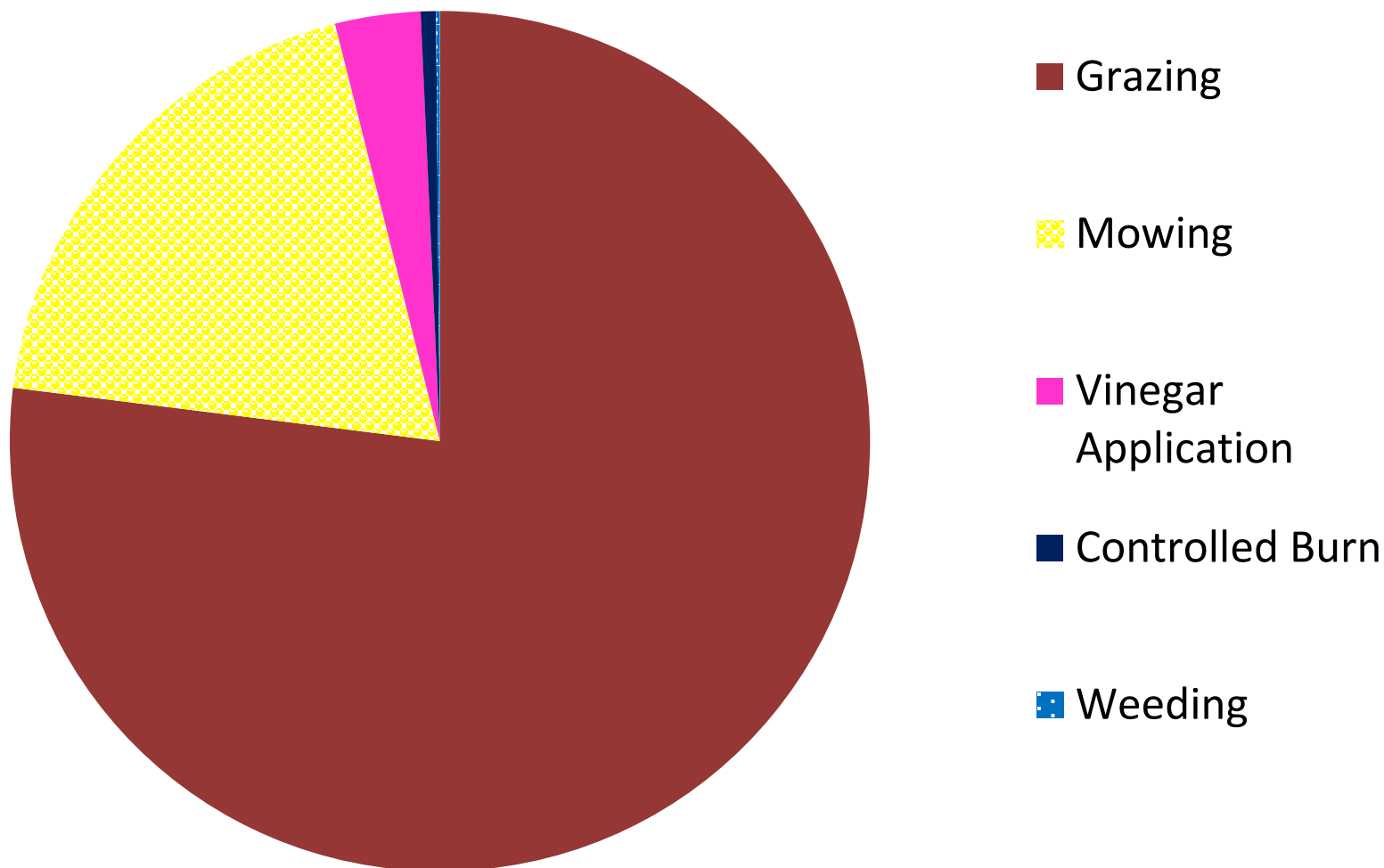


# IPM Methods Used in 2018: Aqueduct Data



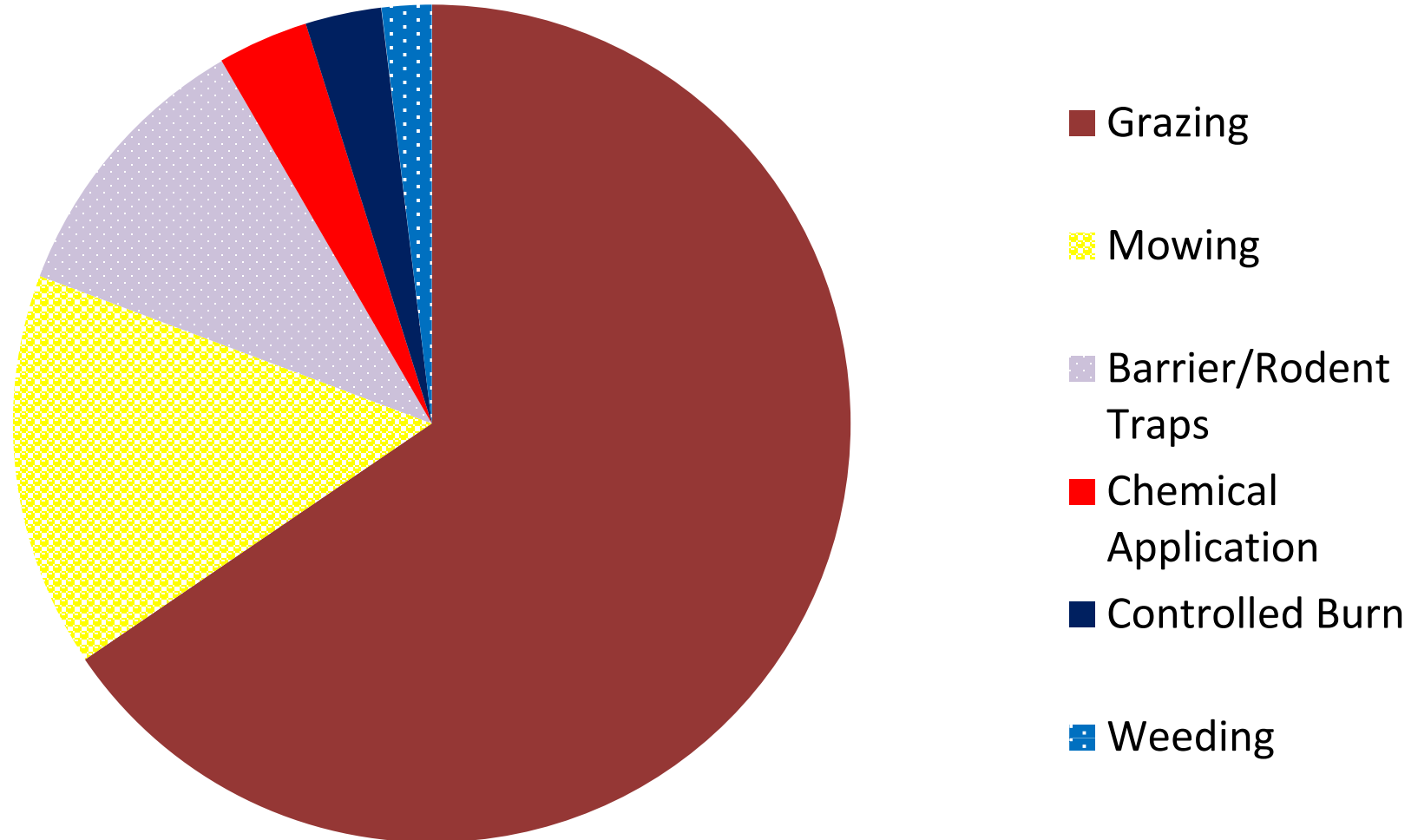
Staff Hours Dedicated to Method Type

# IPM Methods Used in 2018: Watershed East Bay



Staff Hours Dedicated to Method Type

# IPM Methods Used in 2018: Watershed Mokelumne



Staff Hours Dedicated to Method Type