

Recommendation on Final Adoption

TRPA ADVISORY PLANNING COMMISSION

October 10, 2018





ADOPTION PACKAGE

- FINAL EIS/RESPONSE TO COMMENTS
- CODE OF ORDINANCE & RULES OF PROCEDURE AMENDMENTS
- IMPLEMENTATION PROGRAM
- MEMORANDA OF UNDERSTANDING

Overview of the Final EIS



The Environmental Review Process

Step	Timing
Joint Fact-Finding Process	May 2016 – June 2017
Environmental Scoping	July 12 – August 16, 2017
Environmental Analysis	September 2017 – April 2018
Public Review Period	May 8 – July 9, 2018
Consider Comments and Prepare Final EIS	July – September 2018
Final EIS Review and Certification	September – October 2018

Navigating the Final EIS

1. Introduction
2. Revisions to the Proposed Shoreline Plan
3. Comments and Responses
 - Master Responses
 - Agencies, organizations, Individuals, and Public Meetings
4. Revisions and Corrections to the Draft EIS

Appendix A: Implementation Program

Appendix B: Comment Letter Attachments

Appendix C: Emissions Calculations



Final Environmental Impact Statement

LAKE TAHOE SHORELINE PLAN



Key Issues from EIS Comments

1. Comments on the Plan
2. Effects on Recreation
3. Motorized Boat Use Estimates
4. Watercraft Emissions
5. Monitoring and Adaptive Management



Comments on the Plan

- Questions addressed
- Informed revisions to the plan
- Included for your consideration



Recreation Analysis and Comments

- Scope of the Shoreline Plan
- Recreation character
- Crowding
- Navigation and conflicts
- Fair share distribution
- Public access



Responses to Recreation Comments

- Additional boat density analysis
- Additional localized analysis
- Stricter pier length limits
(Mitigation 8-1a and 15-1a)
- Expanded no-wake zones and buffers
- Support for Lake Tahoe Water Trail
- Recreation monitoring and adaptive management



Motorized Boat Use Estimates

- Joint Fact-Finding Process
- Boat use from moorings
- Boat use from boat ramps
- Effects of lake level
- Engine run time



Emissions Analysis and Comments

- CARB emissions inventory
- Fleet turnover and existing regulations
- Emission trend for all boats on Lake Tahoe
- Criteria air pollutants would decrease
- GHG emissions would be significant



Responses to Emissions Comments

- Interim year analysis
- Analysis of double the expected boating activity
- Phased permitting of moorings
- Monitoring of boating activity

	Peak-Day Emissions (lb/day)				
	NO _x	ROG	CO	PM ₁₀	PM _{2.5}
Existing Boating Activity (2017)	322	1,376	5,536	90	68
2024 Net Change	-19	-380	-83	-23	-17
2029 Net Change	-39	-615	-197	-37	-29
2034 Net Change	-48	-750	-87	-47	-37
2040 Net Change	-51	-765	-38	-46	-36

Monitoring and Adaptive Management

- Regional adaptive management
- Additional monitoring:
 - Recreation
 - Noise
 - Nearshore water quality
 - Boating activity



Revised or Expanded Mitigations

- Littoral drift (6-5B)
- Buoy scenic mitigation (9-1 a)
- Tahoe yellow cress (12-2)
- Historic and archeological resources (16-1 and 16-2)



Additional Program Refinements



Mooring Permit Phasing

Establish Enforcement and
Permitting Program



Permit 2008-2010 Applications &
Existing state & federal Permits



New Permits issued at rate of 15%
of Remaining Pool Per Year

Other Modifications

- Environmental improvement priority at marinas
- Funding Water Trail and Public Recreation
- Reconstructions



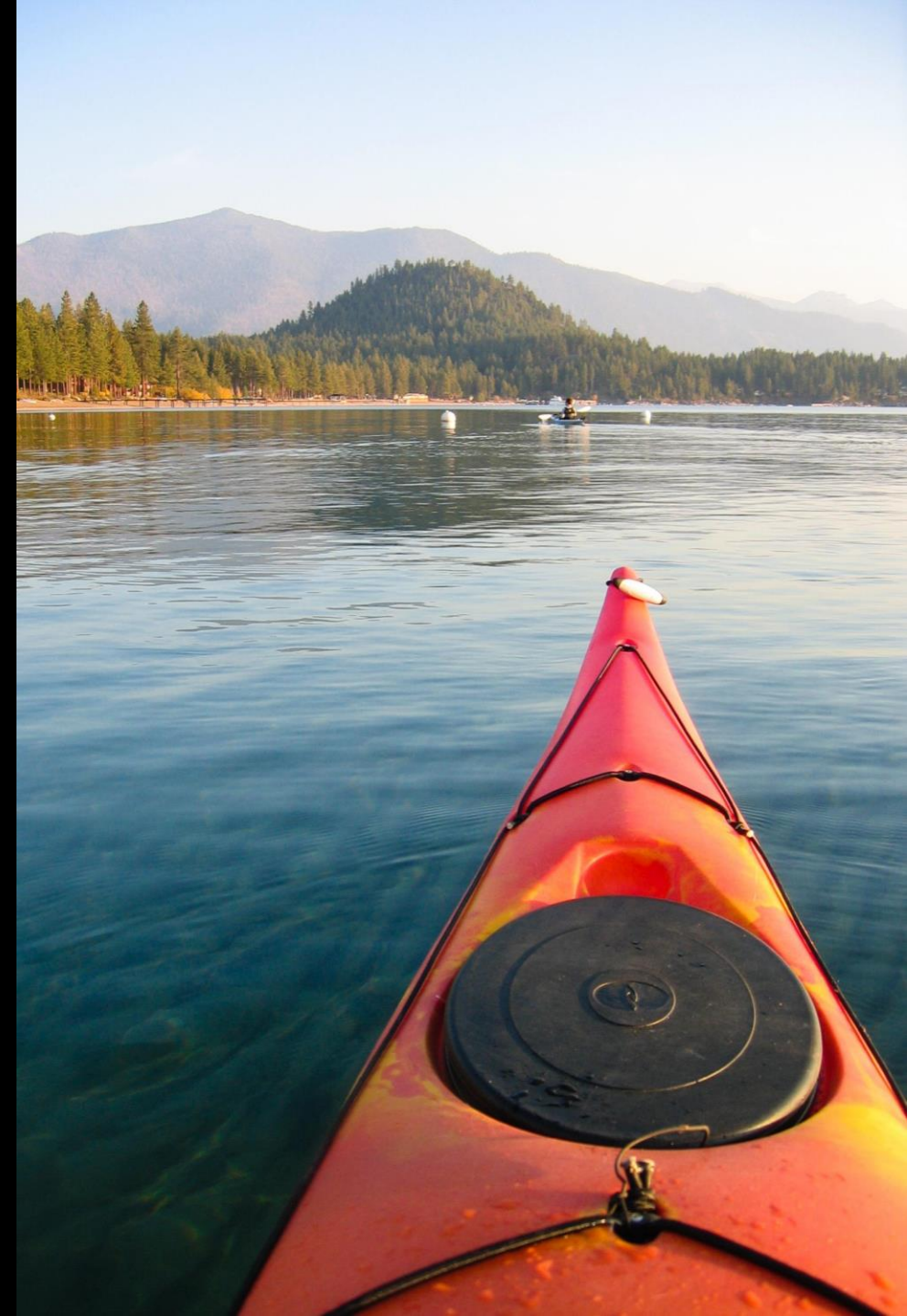
Memoranda of Understanding

California State Lands

- Public Access
- Mooring Enforcement

Enforcement Agencies

- No Wake Zones and Boater Safety



IMPLEMENTATION PROGRAM



1. Impacts
2. Permitting
3. Boating Enforcement
4. Boater Education
5. Environmental Monitoring
6. AIS Control
7. Enhanced Inspections
8. GHG Reduction Plan
9. Fees

Fee Proposal Development

- Fee principles:
 - Related to impacts
 - Shared across types of boat facilities
 - Practical implementation
- Design fee proposal
 - Identify Program needs and mitigation requirements
 - Scope and cost
 - Fee types
 - Apply principles to allocate costs across fee types

Proposed Fee Types

- Annual mooring registration
- Buoy scenic
- Boat sticker
- Rental boat concession

- Others considered

	Mooring Enforcement	No Wake Zone Enforcement	Enhanced Inspections	AIS Control
Annual Mooring Registration	X	X		
Buoy Scenic	X	X		
Boat Sticker			X	X
Boat Rental Concession		X		X

Environmental Improvement Programs



- Potential impacts: spread of existing AIS, scenic impacts from buoys, noise and water quality impacts from boats
- Programs/mitigations: AIS control, Scenic Quality Improvement Program, enhanced inspections
- Applies to: all boats, added fee for rental boats, all buoys (scenic)
- Outcome: ongoing source of funding for AIS control, mitigation fee to implement scenic projects to offset scenic impact of buoys, enhanced inspections and boat use data collection
- Estimated cost: \$466,000/year
- Cost basis: average costs of AIS control projects, average cost of scenic environmental improvement projects, cost of added time spent on watercraft inspections and staff training

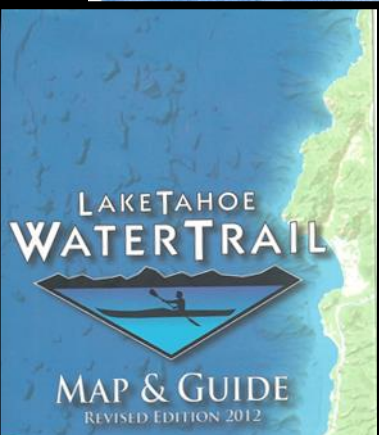
Enforcement Programs



- Potential impacts: unauthorized moorings and no-wake zone violations, user conflict, noise
- Programs/mitigations: mooring registration and enforcement program, no-wake zone enforcement
- Applies to: all moorings, added fee for rental boats (no-wake)
- Outcomes: increased and coordinated enforcement presence, removal of unauthorized moorings, education, Lake Tahoe Boating App
- Estimated cost: \$352,000/year
- Cost basis: costs to remove unauthorized moorings and boats, TRPA boat crew, mooring tags and equipment, Lake Tahoe Boating App

Education and Outreach

LAKE
TAHOE
BOATING



- Potential impact: public awareness, user conflicts
- Program/mitigation: Boater education program, Take Care, Lake Tahoe Water Trail partnership, Lake Tahoe Boating App
- Applies to: all moorings, added fee for rental boats
- Outcome: educational materials, signage, promotional materials, mailings, application development
- Estimated cost: \$75,000/year
- Cost basis: cost of supplies, distribution and maintenance of marketing materials, periodic updates



Monitoring

- Potential impacts: noise and water quality impacts from boat operations
- Programs/mitigations: expanded monitoring and boat presence
- Applies to: all moorings and all boats
- Outcomes: new monitoring equipment, MOUs with law enforcement, focused presence in hotspots
- Estimated cost: \$30,000/year
- Cost basis: cost of monitoring equipment and staff time to conduct monitoring, TRPA boat crew time

Fee		Fee Amount	Fee Frequency	Fee Distributed to:
Annual Mooring Registration	Moorings (Buoys, Lifts/Slips)	\$43	Per mooring/year	<ul style="list-style-type: none"> • Mooring enforcement • No wake zone enforcement • AIS control • Monitoring • Education/outreach
	Buoy Scenic Mitigation Fee	\$47 (\$90 total annual fee for buoys)	Per buoy/year	<ul style="list-style-type: none"> • Scenic mitigation projects
Boat Rental Concession	Tier 1 (CARB 3+ Star Rating)	\$75	Per rental boat/year	<ul style="list-style-type: none"> • AIS control • No wake enforcement • Education/outreach
	Tier 2 (Lower/No CARB Star Rating)	\$150	Per rental boat/year	
Boat Sticker		+\$12	Per sticker/year	<ul style="list-style-type: none"> • AIS control • Watercraft inspection costs • Monitoring

VISIT WWW.SHORELINEPLAN.ORG

Questions/Comments



1. Motions for Certification of EIS

- A. Recommendation to approve a finding of technical adequacy and recommend certification of the Shoreline Plan Final Environmental Impact Statement, as provided in Attachment A

2. Motions for Adoption of Ordinance Amendments & Implementation

- A. Recommendation to make the Chapter 3 & 4 Findings contained in Attachment C

2. Motions for Adoption of Ordinance Amendments & Implementation

B. Recommendation to adopt Ordinance 2018__

amending Ordinance 87-9, as previously amended, for the adoption of the amendments deleting existing Shorezone Code Chapters 80-86, adopting new Shorezone Code Chapters 80-85 and amending Chapters 1, 2, 10, 14, 50, 63, 66, 90 (Attachment E),

2. Motions for Adoption of Ordinance Amendments & Implementation

- C. Recommendation to adopt
Resolution 2018____
amending Article 10 of the Rules
of Procedure

2. Motions for Adoption of Ordinance Amendments & Implementation

- D. Recommendation to adopt the Shoreline Implementation Program (Attachment B)

3. Motion for Adoption of Draft MOUs

A. Recommendation to Adopt Resolution 2018 __

Memorandum of Understanding between TRPA and California State Lands Commission regarding the Public Trust (Attachment G)

3. Motion for Adoption of Draft MOUs

B. Recommendation to Adopt Resolution 2018____

Memorandum of Understanding between TRPA and California State Lands Commission regarding mooring enforcement (Attachment H)

3. Motion for Adoption of Draft MOUs

C. Recommend to Adopt Resolution 2018 __

Memorandum of Understanding between TRPA, Nevada Department of Wildlife, Nevada State Parks, Douglas County Sheriff's Office, Washoe County Sheriff's Office, Placer County Sheriff's Office, El Dorado County Sheriff's Office, City of South Lake Tahoe Police Department, and the United States Coast Guard (Attachment I)