

TRPA Advisory Planning Commission April 10, 2024

AGENDA ITEM VI.B

Threshold Standards Update

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TAHOE REGIONAL PLANNING AGENCY Threshold Standards

 Environmental Threshold Carrying Capacities (Standards): Establish the goals for environmental quality and restoration in the Lake Tahoe basin.

 STANDARDS

 Regional Plan: general plan for development of the region, which establishes the guides for orderly growth and ensures development is consistent with the standards.

CODE OF ORDINANCES

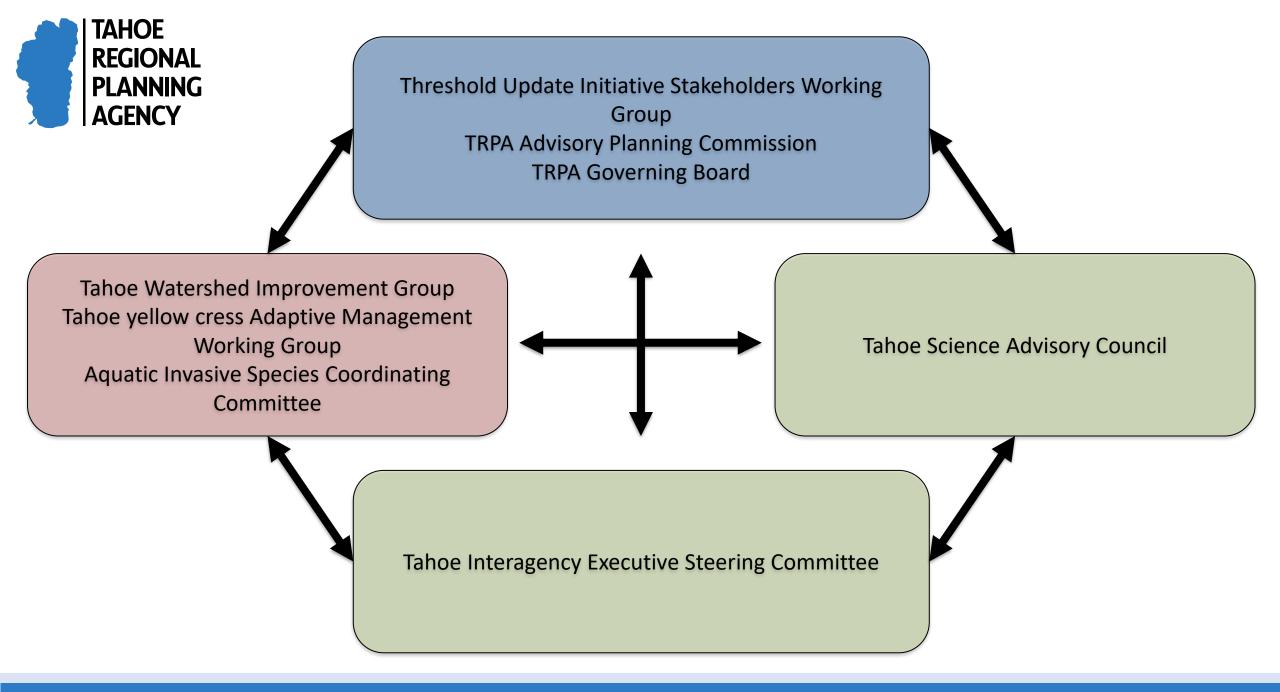
Code: Implements the regional plan and goals and policies and ensure the ordinances, rules, and regulations, achieve and maintain the adopted environmental threshold carrying capacities.

FINDINGS

Findings: Ensures that development does not adversely impact implementation of the regional plan and will not cause the standards to be exceeded.









The standard establishes a specific numeric target, and benchmark/baseline values are documented where necessary.



Specific

The standard has clearly defined indicator(s) that link to the standard, and there are practical ways to objectively and accurately measure progress towards attainment.



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Outcome-based

Standards establish a desired condition for an environmental end state. Standards do not establish a means to achieve the desire outcome.



Stream Environment Zone (SEZ)



"In summary, the present approach to evaluating the condition and the improvement in SEZ's is an overly blunt instrument with no apparent scientific basis beyond "more is better." The science has truly advanced in the last 40+ years"

– 2015 Peer Reviewer

TAHOE REGIONAL PLANNING SEZ Baseline AGENCY



Lake Tahoe Basin Stream Environment Zone (SEZ)

Baseline Condition Assessment

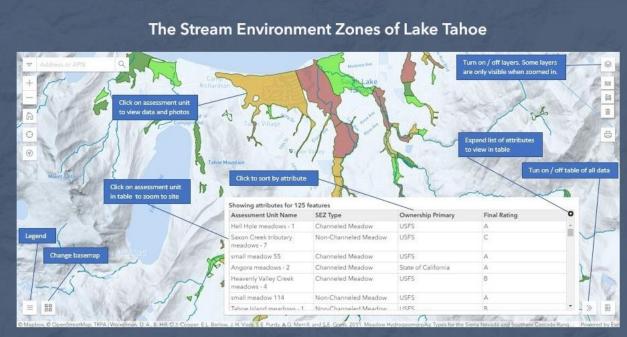
Tahoe Regional Planning Agency

Funded through a United States Environmental Protection Agency Wetland Development Grant

FINAL (December 2020)







Use this application to visualize **CURRENT CONDITIONS** of stream environment zones, **SEARCH** for a meadow or stream, **FILTER** monitoring attributes, **EXPLORE** monitoring data such as streambank erosion and channel incision, **LOCATE** where you are, and **TRACK** where you've been.



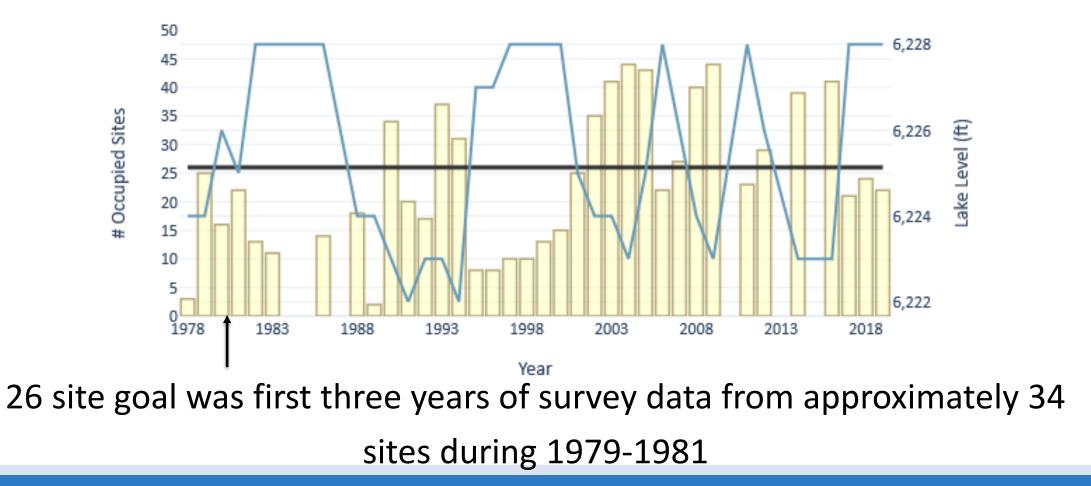
 Enhance the quality and function of meadows and wetlands from 79% to 88% of the regional possible SEZ condition index score.

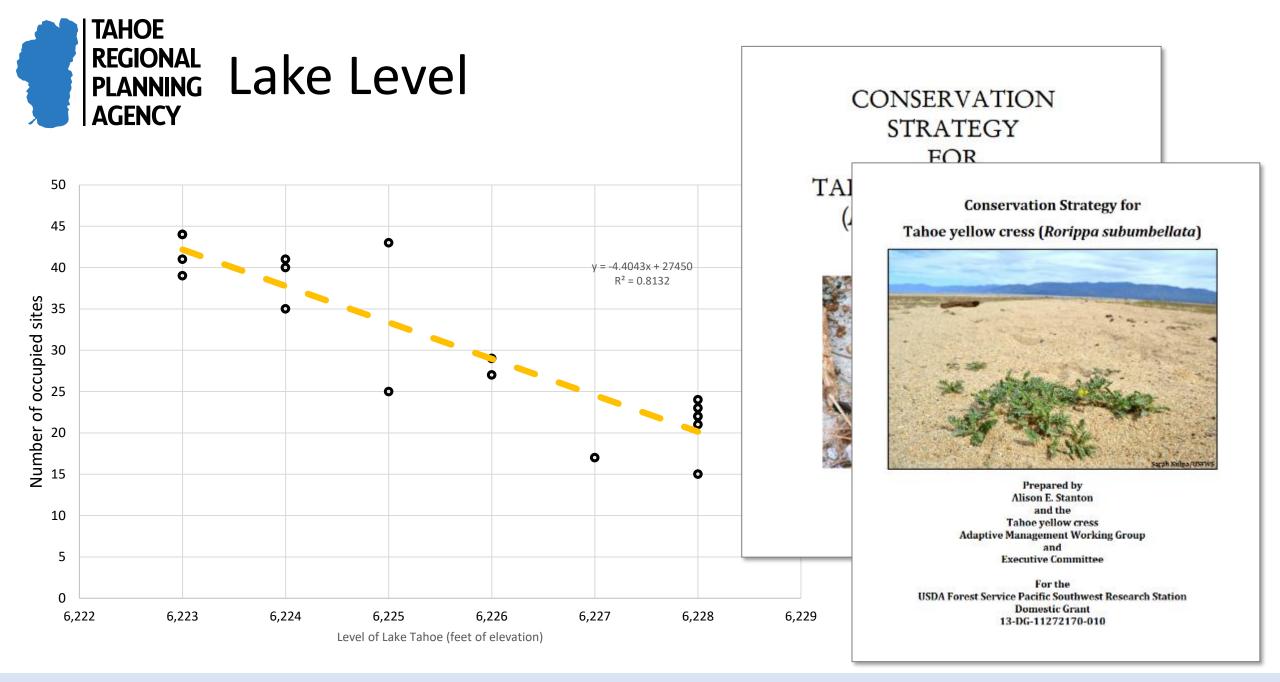


Tahoe Yellow Cress (Rorippa subumbellata)



Tahoe Yellow Cress







October: Maintain a minimum of Rorippa subumbellata occupied survey sites as established in the Table below

Proposed: Maintain at least the number of occupied Rorippa subumbellata survey sites for each lake level as established in the Table below:

Lake Level (feet of elevation)	Occupied survey sites
Low (<6,225)	35
Transition (6,225- 6,227)	26
High (>6,227)	20



Aquatic Invasive Species

REGIONAL PLANNING AIS Control Standards AGENCY

WQ9) Reduce the abundance of known aquatic invasive species.

WQ10) Reduce the distribution of known aquatic invasive species.

WQ11) Abate harmful ecological impacts resulting from aquatic invasive species.

WQ12) Abate harmful economic impacts resulting from aquatic invasive species.

WQ13) Abate harmful social impacts resulting from aquatic invasive species.

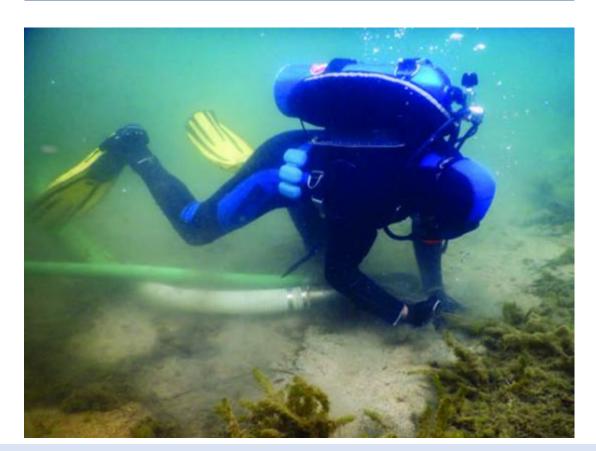
WQ14) Abate harmful public health impacts resulting from aquatic invasive species.



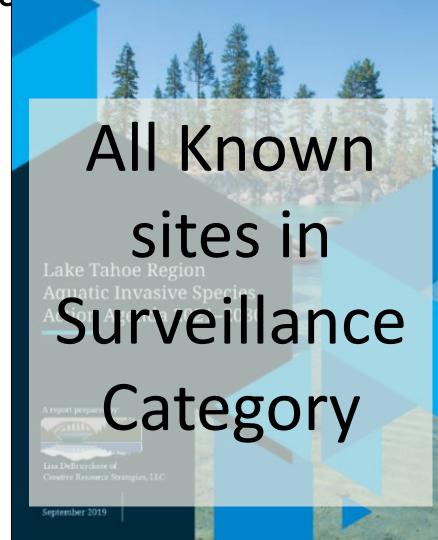
Prevention



Control



REGIONAL PLANNING Proposed Threshold Standards





DRAFT Environmental Impact Report / Environmental Impact Statement

Tahoe Keys Lagoons Aquatic Weed Control Methods Test

Tahoe Keys by

Tahos Regional Putrit Agentian Aphritan H 5 Stater Quality Control Board





- 1) Why recommend standards for some AIS but not others?
- 2) What happens to the AIS for which no threshold standard has been recommended?
- 3) Is a target date of 2045 for attainment of the Keys standard appropriate?

Threshold Update Initiative Stakeholder Working Group

TAHOE
REGIONAL
PLANNING
AGENCYWhy recommend standards for some AISbut not others?

- 1. Have we defined the issue we would like to solve?
- 2. Have we quantified the extent of the issue problem?
- 3. Can the desired end-state or the solution be defined?
- 4. Is there a viable management pathway to deliver the solution we desire?



REGIONAL What happens to the AIS for which no threshold PLANNING Standard has been recommended?

Goals and Policies of the Regional Plan

PROHIBIT THE RELEASE OF NON-NATIVE AQUATIC INVASIVE SPECIES IN THE REGION IN COOPERATION WITH PUBLIC AND PRIVATE ENTITIES. CONTROL OR ERADICATE EXISTING POPULATIONS OF THESE SPECIES AND TAKE MEASURES TO PREVENT ACCIDENTAL OR INTENTIONAL RELEASE OF SUCH SPECIES.



THRESHOLD STANDARI

TAHOE REGIONAL PLANNING AGENCY

AND REGIONAL PLAN

FI-1.9

TAHOE REGIONAL PLANNING

REGIONAL Is a target date of 2045 for attainment of PLANNING the Keys standard appropriate?





 No active aquatic invasive plant infestations in Lake Tahoe, adjacent wetlands, and tributaries, not including the Tahoe Keys.
 Reduce average aquatic invasive plant abundance in the Tahoe

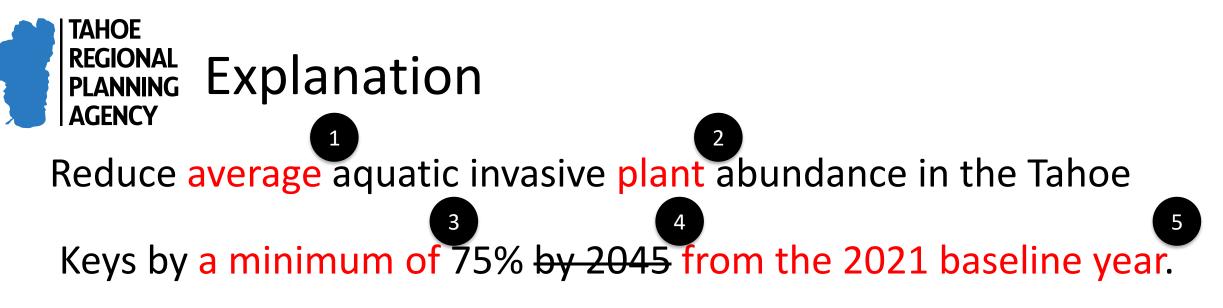
Keys by a minimum of 75% from the 2021 baseline year



October: Reduce aquatic invasive species abundance in the Tahoe Keys by 75% by 2045

Current: Reduce average aquatic invasive plant abundance in the Tahoe Keys by a minimum of 75% from the 2021 baseline year

Redline: Reduce average aquatic invasive plant abundance in the Tahoe Keys by a minimum of 75% by 2045 from the 2021 baseline year.



- 1) Include "average" to buffer against anomalous years
- 2 Clarify that the target is invasive plants
- ³ Clarify that reductions > 75% would attain target
- 4 Remove date until established by plan
- Specify the baseline year for measuring progress



- 1. A motion to recommend approval of the required findings (Attachment B) including a finding of no significant effect.
- 2. A motion to recommend adoption of Ordinance 2024-___, amending Ordinance 2019-02 (Attachment A), updates to the threshold standards for 1) Stream Environment Zone (SEZ) restoration, 2) Aquatic Invasive Species control, and 3) Tahoe Yellow Cress conservation.