

**BASSETT BUOY
DISCUSSION OF ENVIRONMENTAL IMPACT ASSESSMENT**

A.1. Earth Conditions

The project involves authorization of placement of one existing mooring buoy. This buoy will not alter any ground features or create unstable conditions.

A.2. Overcovering Soil

The buoy will employ a concrete anchor block which rests on the bottom substrate. The block may cover approximately two square feet of lakebottom, thus removing it from accessibility to bottom dwelling organisms. The block is not heavy enough to cause significant compaction and will not prohibit burrowing organisms from inhabiting the substrate beneath the block. Impacts will be minimal.

A.3. Topography

The block anchoring the buoy is placed directly on the surface of the lake bottom. Its size and weight will not modify the lakebottom features. Impacts will be minimal.

A.4. Unique Features

The lakebed in the area is flat and lacks unique features. The anchor block will not affect the lakebottom or unique features. The buoy is in place and will not be a new impact.

A.5. Erosion

The anchor block is placed directly on the lakebed surface. No excavations or regrading are required which might upset bottom profiles and cause erosion. No impacts will occur.

A.6. Siltation

The block is in place on a relatively level lakebed. No major currents are in the area to move sediments. Over time a prevailing current could move silt to collect to the side of the anchor block. The impact will be negligible.

A.7. Geologic Hazards

The block and buoy are placed directly on the lakebottom. Their size, etc. will not induce seismic instabilities or ground failures. No impacts are expected.

B.1. Emissions

The mooring buoy is placed manually from a boat and rests directly on the lakebed. No special excavations are required. No emissions will result from its placement as it is already in place.

B.2. Odors

The buoy is used for mooring purposes and creates no emissions or odors. Exhaust emissions would result only from powerboats mooring or casting-off from it. The impact is negligible.

B.3. Air Alterations

The buoy and anchor block remain in the lake. They will not create impacts which would alter air characteristics in any way.

C.1. Currents

The buoy and anchor block are small, less than four cubic feet in volume. Their placement will not affect currents or water movements.

C.2. Runoff

The buoy and anchor block are placed in the body of Lake Tahoe. They will not affect surface water drainage patterns, etc.

C.3. Flood Waters

The buoy and anchor block are placed in Lake Tahoe. They will not affect flood waters from streamflows.

C.4. Surface Water

The buoy and anchor block are placed in the body of Lake Tahoe. Their volume will not affect the surface water volume of the lake.

C.5. Turbidity

The buoy and block are placed such that the block rests on the surface of the lakebed. Turbidity could result from a buoy block being dragged across the bottom during high winds with a boat moored to the buoy. This impact would be negligible.

C.6. Ground Waters, Flows

The buoy, placed on the lakebed will not penetrate the bottom and affect ground water flows.

C.7. Groundwater, Quantity

The buoy and anchor block rest directly on the substrate surface. They will not penetrate the lakebed and affect groundwater supply.

C.8. Water Supplies

The anchor block and buoy will not be used as water acquisition facilities. The water supply at Lake Tahoe will not be impacted.

C.9. Flooding, Etc.

The buoy and anchor block are less than four cubic feet in volume and will not cause a situation leading to flooding. There will be no impact.

C.10. Thermal Springs

There are no known thermal springs in the vicinity of the project. There will be no impacts.

D.1. Plant Species Diversity

The lakebottom at this location is cobbly and capable of supporting sessile plants. The anchor block and chain can serve as substrate for aquatic plants. The impact would be negligible.

D.2. Endangered Species

The buoy and block are placed approximately 100 feet from shore (MLLW) in Lake Tahoe. The impact to aquatic species is negligible. There will be no impact to the plant species *Rorippa subumbellata* Roll. (Tahoe Yellow Cress) as the project is in the lake and not on an upland site which could be identified as *Rorippa* habitat.

D.3. Introduction of Plants

The anchor block and buoy afford a hard substrate for sessile aquatic plants to grow. The mineral nature of the chain and concrete block could encourage a new plant species to populate this area. The impact would be negligible.

D.4. Agricultural Crops

The buoys and anchor blocks are located in Lake Tahoe. No agriculture or aquaculture are carried out in this area. There will be no impact.

E.1. Species Diversity

The anchor block and buoy could affect the entry into the lakebottom by burrowing organisms. Fish and benthic organisms could be attracted by the buoy assembly for grazing. The impacts would be negligible.

E.2. Rare Species

The buoy assembly is small and create a minimal impact. There should be no reduction in rare species.

E.3. New Species

The buoy assembly serves to moor small boats. No species introductions are expected from this activity. Certain grazing fish might move into the area for feeding but this impact would be negligible.

E.4. Habitat Deterioration

The buoy assembly is currently in place in Lake Tahoe. The impacts, if any, are already present. The impacts will be negligible.

F.1. Noise Increases

The buoy has no whistles or bells for navigational aids. There will be no increases in noise levels.

F.2. Severe Noise

The buoy will not generate noise itself. The only noise impacts may arise from the boat moored at the buoy. Such noise periods would be brief and negligible.

G.1. Light and Glare

The buoy will not be furnished with lighting for navigation. There will be no impacts from light or glare. No reflections will be created from finished surfaces to create reflective glare.

H.1. Land Use

The buoy is located on a shore with many other buoys and piers. There will not be a newly introduced use for this location to alter local use patterns. Adjacent buoys are approximately 100 feet to either side of the applicant's buoy with two adjacent piers 75 feet and 115 feet from the buoy.

I.1. Resource Use

The buoy will not increase resource depletion or loss of non-renewable resources. Recreational boats are the only craft to be moored at the buoy.

J.1. Explosion

The project involves authorization of one existing mooring buoy with its attendant anchor block and chain. No hazardous chemicals or substances will be involved. Mooring of power boats could pose a possible hazard from collision or fire.

J.2. Emergency Plans

The one mooring buoy is currently in place. The buoys will not create a new impact upon emergency vessel movements for that area.

K.1. Alter Population

The mooring buoy will not affect the population density or growth patterns in that area. It is intended for private use by the applicant for mooring of a recreational vessel. There will be no live aboard vessels or increases in local population.

L.1. Housing

The mooring buoy is intended for use by the applicant whose property is located 225 to 300 feet west. No new housing will be constructed in association with the buoy.

M.1. Vehicular Movement

The authorized buoy is intended for the applicant's private use. No new vehicular traffic will result from the use of this buoy.

M.2. Parking

The authorized buoy is intended for the applicant's private use. New parking facilities will not be created or associated with its use.

M.3. Transportation Systems

The proposed project will not introduce new impacts on existing or future transportation systems. The buoy is intended for use by the applicant only.

M.4. Circulation

The buoy is located with several existing buoys in Lake Tahoe. It will not affect land or water traffic circulation.

M.5. Traffic

The buoy is located in an existing row of buoys at the west shore of Lake Tahoe. The buoys generally will affect boating traffic requiring its movements to waterward, avoiding collision with buoys or moored boats. Waterskiing and fishing must be conducted away from the buoys to avoid injury to skiers or fouling of trolling lines. This impact will not be new but ongoing.

M.6. Hazards

The buoy is located in Lake Tahoe and will not pose a hazard to land transportation such as motor vehicles, bicycles or pedestrians.

N.1-6 Public Services

The buoy authorization is for one existing mooring buoy intended for private use by the applicant. The buoy will not create a new impact on public services including fire and police protection, school and park facilities, road maintenance or other public services. No significant impact will occur.

O.1. Energy Use

The buoy will not require use of energy for navigational aids. There will be no impact.

O.2. New Energy

The buoy will use no energy in its implementation. There will be no impacts on future energy needs.

P.1-6 Utilities

The buoy will not create an impact on utilities services including power, water, sewerage and waste or communications. No impact will occur.

Q.1.2 Health Hazards

The buoy consists of a hollow plastic float, chain and a concrete anchor block. These materials will not pose a health hazard or potential health hazard to humans.

R.1. Views

The buoy will be placed with several other buoys. The presence of several buoys and moored boats creates an impact upon views from the shore. The impact will not be new. The addition or removal of one buoy will not create a significant impact on the present view status.

S.1. Recreation

The buoy will not create a new impact upon recreation in this area. The existing buoys generally impact water skiing, fishing and possibly swimming activities, but this will not be a new impact.

T.1-4 Historic-Ethnic Sites

The buoy is located with several other buoys along the shore approximately 100 to 150 feet waterward of the lake shore. There are no archaeological or ethnic sites in this location. The buoy will have no impacts upon archaeological, historic or ethnic sites.

U.1. Degradation

The buoy is a small, passive fixture which can be removed. It will not create a permanent impact which could degrade the environment or endanger plant or animal species.

U.2. Environmental Goals

The impacts created by the buoy are negligible and will not cause impacts of advantage or disadvantage to environmental values.

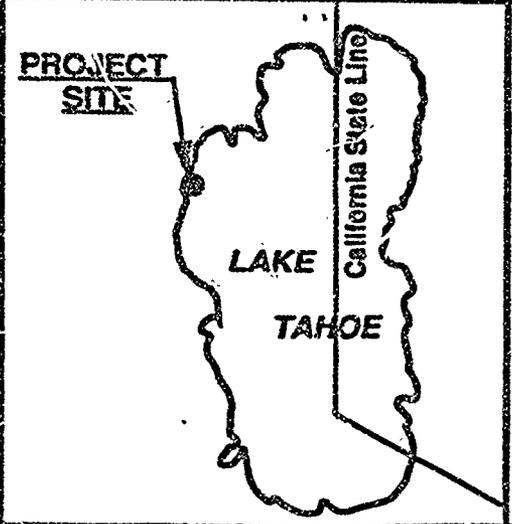
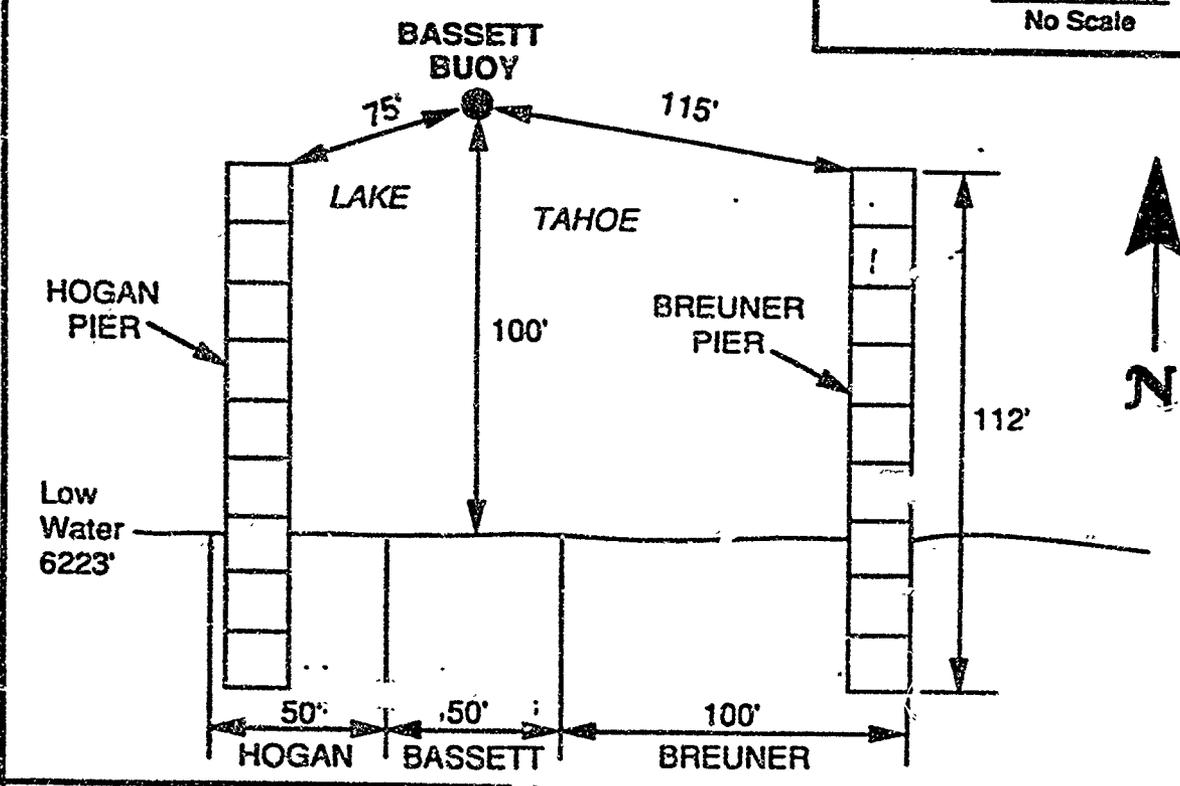
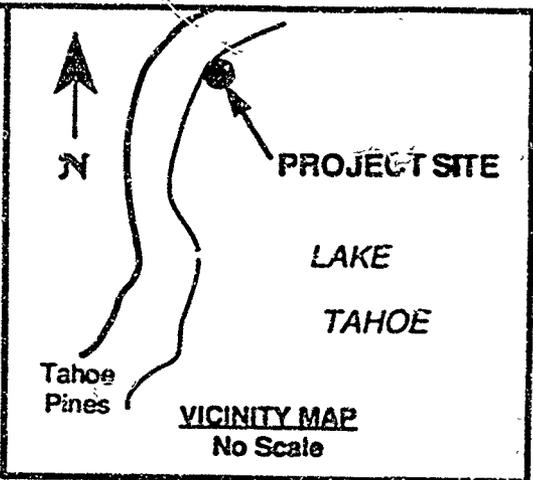
U.3. Cumulative Impacts

The buoy is one of a group of buoys along the shore with several piers. The issue of buoy fields is raised with regard to size of field and numbers of buoys. A single buoy has a lesser impact than 5, 10 or 20 buoys grouped together. The impact of one buoy and its boat is less than a larger grouping. The psychological impacts upon individual viewers varies regarding the aesthetic issue. The addition of this buoy will add to the cumulative impacts of this buoy field. Because of the current number of buoys in the field and the fact that these are currently in place, authorizing of the mooring buoy will not create a significant impact on the viewshed.

U.4. Adverse Impacts

The accumulation of several buoys in a field including the applicant's buoy may contribute to visual impacts, but the impact should be negligible. There will not be a significant adverse impact on humans.

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W24671
 APPLICATION FOR EXISTING
 MOORING BUOY
 AT LAKE TAHOE
 Applicant
 BARBARA BASSETT

CALENDAR MONTH 72
 MINUTE PAGE 2348

STATE LANDS COMMISSION

LEO T. McCARTHY, Lieutenant Governor
 GRAY DAVIS, Controller
 THOMAS W. HAYES, Director of Finance

EXECUTIVE OFFICE
 1807 - 13th Street
 Sacramento, CA 95814

CHARLES WARREN
 Executive Officer

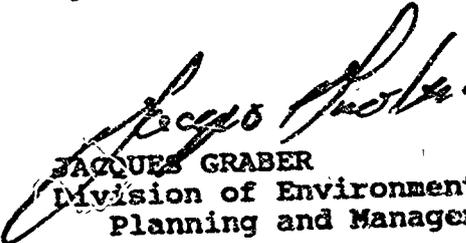
April 10, 1991
 File Ref.: WP 3551
 EIR ND: 549

NOTICE OF PUBLIC REVIEW OF A NEGATIVE DECLARATION
 (SECTION 15073 CFR)

A Negative Declaration has been prepared pursuant to the requirements of the California Environmental Quality Act (Section 21000 et seq., Public Resources Code), the State CEQA guidelines (Section 15000 et seq., Title 14, California Code Regulations), and the State Lands Commission Regulations (Section 2901 et seq., Title 2, California Code Regulations) for a project currently being processed by the staff of the State Lands Commission.

The document is attached for your review. Comments should be addressed to the State Lands Commission office shown above with attention to the undersigned. All comments must be received by May 11, 1991.

Should you have any questions or need additional information, please call the undersigned at (916) 323-7209.


 JACQUES GRABER
 Division of Environmental
 Planning and Management

Attachment

CALENDAR PAGE 73
 MINUTE PAGE 2349

STATE LANDS COMMISSION

LEO T. McCARTHY, Lieutenant Governor
GRAY DAVIS, Controller
THOMAS W. HAYES, Director of Finance

EXECUTIVE OFFICE
1807 - 13th Street
Sacramento, CA 95814
CHARLES WARREN
Executive Officer

PROPOSED NEGATIVE DECLARATION

EIR ND: 549

File: WP 3551

SCH No.: 91042039

Project Title: Miller/Shurtleff -- Authorization of Two Existing Mooring Buoys

Proponents: G. Willard Miller and Nancy Shurtleff

Project Location: Lake Tahoe, Meeks Bay, approximately 150 feet waterward of applicants' pier, APN 016-300-101, El Dorado County.

Project Description: Authorization of two existing mooring buoys.

Contact Person: Jacques Graber Telephone: 916/323-7209

This document is prepared pursuant to the requirements of the California Environmental Quality Act (Section 21000 et seq., Public Resources Code), the State CEQA Guidelines (Section 15000 et seq., Title 14, California Code Regulations), and the State Lands Commission regulations (Section 2901 et seq., Title 2, California Code Regulations).

Based upon the attached Initial Study, it has been found that:

- this project will not have a significant effect on the environment.
- mitigation measures included in the project will avoid potentially significant effects.

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ENVIRONMENTAL IMPACT ASSESSMENT CHECKLIST - PART II
Form 13.20 (7/82)

File Ref.: WP 3551

I. BACKGROUND INFORMATION

A. Applicant: G. Willard Miller/ Nancy Shurtleff AGENT: Vail Corp
30 Las Cascadas Road P.O. Box 879
Orinda, CA 94363 Tahoe City, CA 95730

B. Checklist Date: 2 / 7 / 91

C. Contact Person: Jacques A. Graber
Telephone: (916) 323-7209

D. Purpose: Authorization of two existing mooring buoys located approximately 150 feet waterward of applicants' pier in Lake Tahoe.

E. Location: Upland address: 235 Drum Road, Meeks Bay, CA. West shore of Lake Tahoe
T14N R17E SEC 20 M.D.M.

F. Description: Two buoys secured by metal chain and held fast to the lake bottom by concrete block anchors.

G. Persons Contacted: _____

II. ENVIRONMENTAL IMPACTS. (Explain all "yes" and "maybe" answers)

A. Earth. Will the proposal result in:

- | | Yes | Maybe | No |
|--|--------------------------|-------------------------------------|-------------------------------------|
| 1. Unstable earth conditions or changes in geologic structures? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Disruptions, displacements, compaction, or overcovering of the soil? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Change in topography or ground surface relief features? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. The destruction, covering, or modification of any unique geologic or physical features? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Any increase in wind or water erosion of soils, either on or off the site? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Changes in deposition or erosion of beach sands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet, or lake? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Exposure of all people or property to geologic hazards such as earthquakes, landslides, mudslides, ground failure, or similar hazards? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

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PROJECT FILE

Yes Maybe No

B. Air. Will the proposal result in:

- 1. Substantial air emissions or deterioration of ambient air quality?
- 2. The creation of objectionable odors?
- 3. Alteration of air movement, moisture or temperature, or any change in climate, either locally or regionally?

C. Water. Will the proposal result in:

- 1. Changes in the currents, or the course or direction of water movements, in either marine or fresh waters?
- 2. Changes in absorption rates, drainage patterns, or the rate and amount of surface water runoff?
- 3. Alterations to the course or flow of flood waters?
- 4. Change in the amount of surface water in any water body?
- 5. Discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen or turbidity?
- 6. Alteration of the direction or rate of flow of ground waters?
- 7. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations?
- 8. Substantial reduction in the amount of water otherwise available for public water supplies?
- 9. Exposure of people or property to water-related hazards such as flooding or tidal waves?
- 10. Significant changes in the temperature, flow or chemical content of surface thermal springs?

D. Plant Life. Will the proposal result in:

- 1. Change in the diversity of species, or number of any species of plants (including trees, shrubs, grass, crops, and aquatic plants)?
- 2. Reduction of the numbers of any unique, rare or endangered species of plants?
- 3. Introduction of new species of plants into an area, or in a barrier to the normal replenishment of existing species?
- 4. Reduction in acreage of any agricultural crop?

E. Animal Life. Will the proposal result in:

- 1. Change in the diversity of species, or numbers of any species of animals (birds, land animals including reptiles, fish and shellfish, benthic organisms, or insects)?
- 2. Reduction of the numbers of any unique, rare or endangered species of animals?
- 3. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?
- 4. Deterioration to existing fish or wildlife habitat?

F. Noise. Will the proposal result in:

- 1. Increase in existing noise levels?
- 2. Exposure of people to severe noise levels?

G. Light and Glare. Will the proposal result in:

- 1. The production of new light or glare?

H. Land Use. Will the proposal result in:

- 1. A substantial alteration of the present or planned land use of an area?

I. Natural Resources. Will the proposal result in:

- 1. Increase in the rate of use of any natural resources?
- 2. Substantial depletion of any nonrenewable resources?

APPROVED BY: _____
 DATE: 7/23/70
 PROJECT NO: 2352

	Yes	Maybe	No
J. Risk of Upset. Does the proposal result in:			<input checked="" type="checkbox"/>
1. A risk of an explosion or the release of hazardous substances (including, but not limited to, oil, pesticides, chemicals, or radiation) in the event of an accident or upset conditions?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Possible interference with emergency response plan or an emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
K. Population. Will the proposal result in:			<input checked="" type="checkbox"/>
1. The alteration, distribution, density, or growth rate of the human population of the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
L. Housing. Will the proposal result in:			<input checked="" type="checkbox"/>
1. Affecting existing housing, or create a demand for additional housing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
M. Transportation/Circulation. Will the proposal result in:			<input checked="" type="checkbox"/>
1. Generation of substantial additional vehicular movement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Affecting existing parking facilities, or create a demand for new parking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Substantial impact upon existing transportation systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Alterations to present patterns of circulation or movement of people and/or goods?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Alterations to waterborne, rail, or air traffic?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
N. Public Services. Will the proposal have an effect upon, or result in a need for new or altered governmental services in any of the following areas:			<input checked="" type="checkbox"/>
1. Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Parks and other recreational facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Maintenance of public facilities, including roads?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Other governmental services?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
O. Energy. Will the proposal result in:			<input checked="" type="checkbox"/>
1. Use of substantial amounts of fuel or energy?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Substantial increase in demand upon existing sources of energy, or requires the development of new sources?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P. Utilities. Will the proposal result in a need for new systems, or substantial alterations to the following utilities:			<input checked="" type="checkbox"/>
1. Power or natural gas?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Communication systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Sewer or septic tanks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Storm water drainage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Solid waste and disposal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Q. Human Health. Will the proposal result in:			<input checked="" type="checkbox"/>
1. Creation of any health hazard or potential health hazard (excluding mental health)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Exposure of people to potential health hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
R. Aesthetics. Will the proposal result in:			<input checked="" type="checkbox"/>
1. The obstruction of any scenic vista or view open to the public, or will the proposal result in the creation of an aesthetically offensive site open to public view?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
S. Recreation. Will the proposal result in:			<input checked="" type="checkbox"/>
1. An impact upon the quality or quantity of existing recreational opportunities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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T. Cultural Resources.

Yes Maybe No

- 1. Will the proposal result in the alteration of or the destruction of a prehistoric or historic archeological site?
- 2. Will the proposal result in adverse physical or aesthetic effects to a prehistoric or historic building, structure, or object?
- 3. Does the proposal have the potential to cause a physical change which would affect unique ethnic cultural values?
- 4. Will the proposal restrict existing religious or sacred uses within the potential impact area?

U. Mandatory Findings of Significance.

- 1. Does the project have the potential to degrade the quality of the environment, reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?
- 2. Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals?
- 3. Does the project have impacts which are individually limited, but cumulatively considerable?
- 4. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

III. DISCUSSION OF ENVIRONMENTAL EVALUATION (See Comments Attached)

IV. PRELIMINARY DETERMINATION

On the basis of this initial evaluation:

- I find the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A NEGATIVE DECLARATION will be prepared.
- I find the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

Date: 2 / 25 / 91

[Signature]
 For the State Lands Commission
 JALEN JAR PAGE
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 INFINITE PAGE Form 10-20 (7/82)

DISCUSSION OF ENVIRONMENTAL EVALUATION MILLER-SHURTLEFF BUOYS

A.2. Overcovering Soil

The two existing mooring buoys cover a small portion of the lake bottom. Each buoy utilizes a concrete anchor block approximately two square feet in bottom area. These blocks, placed on the lake bed will cover that portion of substrate upon which they rest. This impact would be considered insignificant as the buoys are in place already.

C.5. Turbidity

The placement of a buoy may have created an episode of turbidity as the anchor made contact with the lake bottom. Such an event would be brief. In this case, the buoys are already in place and should not create such an event. Only if the anchors were moved, either by intent or shifting from winds pulling a moored boat and its attendant buoy, would turbidity occur. Such an impact would be negligible.

D.1. Plant Species

The buoys may create a minor change in plant species. If the bottom is a sandy substrate, introducing a concrete anchor could introduce an environment for sessile aquatic plants to colonize. Such an impact would be minor, also colonization should have occurred as the buoys are already in place. The lake bottom in this location is both cobble and sand.

E.1. Animal Species

The buoys as mentioned in D.1. could introduce new plant species into an otherwise unpopulated substrate. This in turn could attract grazing organisms to the newly colonized anchor, taking up residence at the site. Such an impact would be minor.

M.5. The two mooring buoys affect waterborne traffic patterns. Boats moving closer toward shore might have to avoid the buoys and their attendant boats to avoid collision or propeller fouling.

Ski boats and faster moving boats might have to pass farther from the buoys to avoid injury to the skiers or collision.

Trolling activities will have to be conducted farther from shore to avoid fouling lines on anchor chains or the applicants' pier. This would include top line and deep trolling. These impacts will not be new as the buoys are already in place.

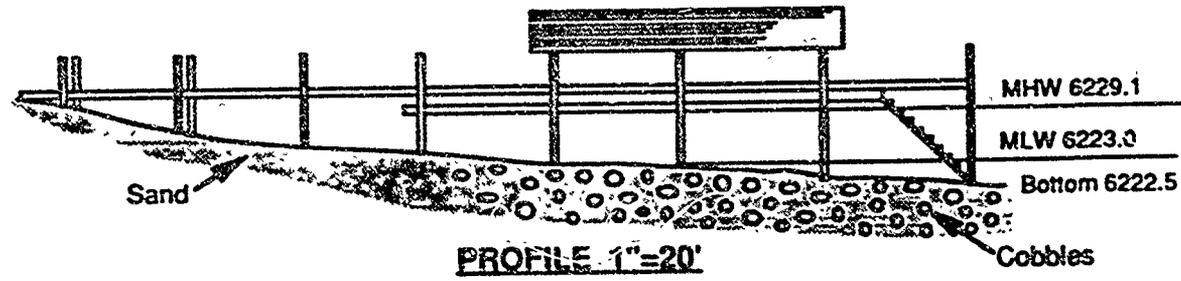
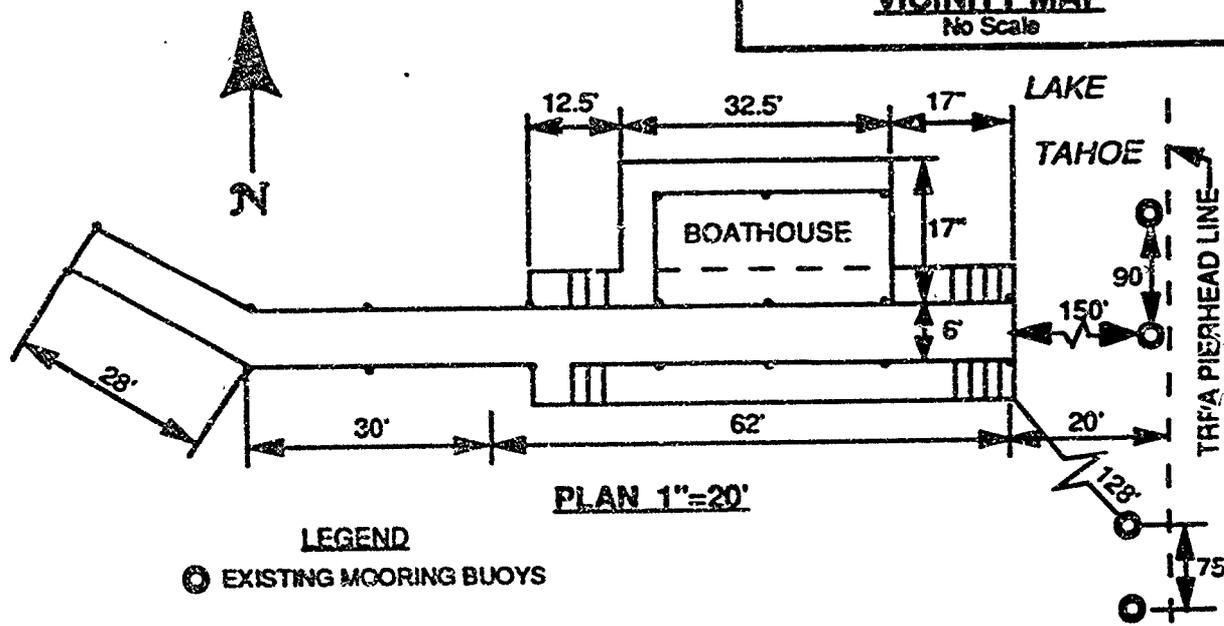
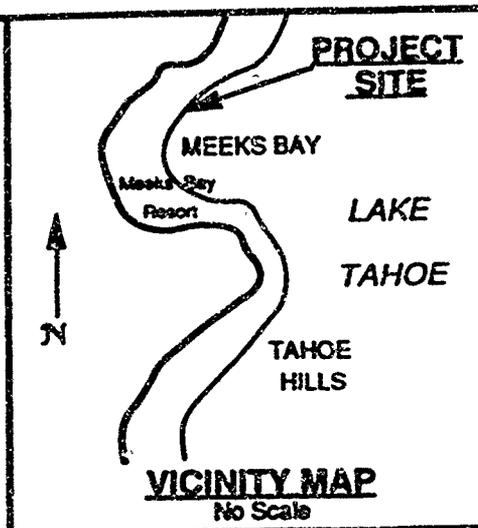
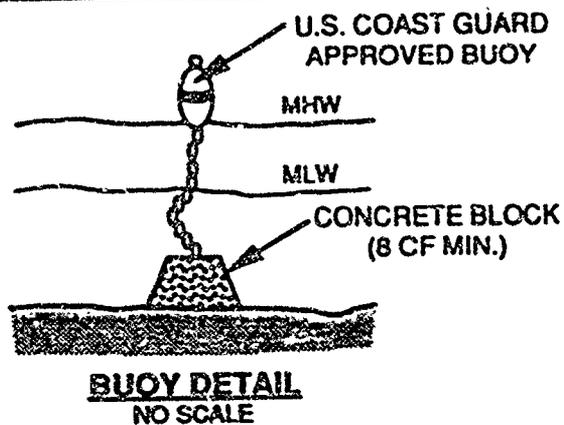
R.1. Aesthetics

The two mooring buoys create an impact upon the aesthetics and scenic vista. The buoys are small, blue and white, and float on the water's surface. The impact of the two buoys will be noticeable to persons viewing from shore, boats moored at these buoys will create an added visual impact. Studies indicate the general public is often displeased with buoys and their impacts. This impact will be offset by the added presence of the adjacent pier, who's larger mass will draw attention from the buoys.

Most viewing in this area will be by the applicants and adjacent property owners. Public impacts will be minimal except from boat passengers and public on the beach. The impacts will be small. The impact will not be new as the buoys are existing, already in place.

S.1. Recreation

The buoys will impact recreation by affecting to a minor degree, trolling and water skiing activities in the area. Other recreation will not be affected as the buoys are adjacent to private property.



NO SCALE

W7125

APPLICATION FOR TWO EXISTING MOORING BUOYS

MEEKS BAY - LAKE TAHOE

Applicants
G. MILLER AND N. SHURTLEFF

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STATE LANDS COMMISSIONLEO T. McCARTHY, *Lieutenant Governor*GRAY DAVIS, *Controller*THOMAS W. HAYES, *Director of Finance*EXECUTIVE OFFICE
1807 - 13th Street
Sacramento, CA 95814CHARLES WARREN
Executive OfficerMay 21, 1991
File Ref.: WP 3557
EIR ND: 552**NOTICE OF PUBLIC REVIEW OF A NEGATIVE DECLARATION
(SECTION 15073 CFR)**

A Negative Declaration has been prepared pursuant to the requirements of the California Environmental Quality Act (Section 21000 et seq., Public Resources Code), the State CEQA guidelines (Section 15000 et seq., Title 14, California Code Regulations), and the State Lands Commission Regulations (Section 2901 et seq., Title 2, California Code Regulations) for a project currently being processed by the staff of the State Lands Commission.

The document is attached for your review. Comments should be addressed to the State Lands Commission office shown above with attention to the undersigned. All comments must be received by June 21, 1991.

Should you have any questions or need additional information, please call the undersigned at (916) 323-7209.



JACQUES GRABER
Division of Environmental
Planning and Management

Attachment

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STATE LANDS COMMISSION

LEO T. McCARTHY, *Lieutenant Governor*
 GRAY DAVIS, *Controller*
 THOMAS W. HAYES, *Director of Finance*

EXECUTIVE OFFICE
 1807 - 13th Street
 Sacramento, CA 95814
 CHARLES WARREN
 Executive Officer

PROPOSED NEGATIVE DECLARATION

EIR ND: 552

File: WP 3557

SCH No.: 91052072

Project Title: Breuner/Grebitus -- Authorization of Four Existing Buoys
 Proponents: William R. Breuner/Edwin A. Grebitus, Jr.
 Project Location: Lake Tahoe, 4920-4930 West Lake Blvd., APNs 097-100-14, 21 & 22, Homewood, Placer County.
 Project Description: Authorization of four existing mooring buoys.
 Contact Person: Jacques Graber Telephone: 916/323-7209

This document is prepared pursuant to the requirements of the California Environmental Quality Act (Section 21000 et seq., Public Resources Code), the State CEQA Guidelines (Section 15000 et seq., Title 14, California Code Regulations), and the State Lands Commission regulations (Section 2901 et seq., Title 2, California Code Regulations).

Based upon the attached Initial Study, it has been found that:

this project will not have a significant effect on the environment.

mitigation measures included in the project will avoid potentially significant effects.

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ENVIRONMENTAL IMPACT ASSESSMENT CHECKLIST - PART II

Form 13.20 (7/82)

File Ref.: PRC 3557

I. BACKGROUND INFORMATION

A. Applicant: William R. Breuner/Edwin A. Grebtus Jr. Vail Engineering
1470 Maria Lane P.O. Box 879
Walnut Creek, CA 95730 Tahoe city, CA 95730
Attn: Kevin Agan

B. Checklist Date: 05 / 20 / 91

C. Contact Person: Jacques Graber
Telephone: (916) 323-7209

D. Purpose: Authorize continued placement and use of four mooring buoys.

E. Location: 4920 West Lake Blvd., APN 097-100-14 and 097-100-21, Lake Tahoe, Placer County, CA

F. Description: Authorize continued placement and use of four existing mooring buoys.

G. Persons Contacted: [Blank lines for contact information]

II. ENVIRONMENTAL IMPACTS. (Explain all "yes" and "maybe" answers)

A. Earth. Will the proposal result in:

Table with 3 columns: Yes, Maybe, No. Rows include: 1. Unstable earth conditions or changes in geologic substructures? (Yes: [], Maybe: [], No: [X]); 2. Disruptions, displacements, compaction, or overcovering of the soil? (Yes: [], Maybe: [X], No: []); 3. Change in topography or ground surface relief features? (Yes: [], Maybe: [], No: [X]); 4. The destruction, covering, or modification of any unique geologic or physical features? (Yes: [], Maybe: [], No: [X]); 5. Any increase in wind or water erosion of soils, either on or off the site? (Yes: [], Maybe: [], No: [X]); 6. Changes in deposition or erosion of beach sands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet, or lake? (Yes: [], Maybe: [X], No: []); 7. Exposure of all people or property to geologic hazards such as earthquakes, landslides, mudslides, ground failure, or similar hazards? (Yes: [], Maybe: [], No: [X])

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- B. *Air*. Will the proposal result in:
1. Substantial air emissions or deterioration of ambient air quality?
 2. The creation of objectionable odors?
 3. Alteration of air movement, moisture or temperature, or any change in climate, either locally or regionally?
- C. *Water*. Will the proposal result in:
1. Changes in the currents, or the course or direction of water movements, in either marine or fresh waters?
 2. Changes in absorption rates, drainage patterns, or the rate and amount of surface water runoff?
 3. Alterations to the course or flow of flood waters?
 4. Change in the amount of surface water in any water body?
 5. Discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen or turbidity?
 6. Alteration of the direct on or rate of flow of ground waters?
 7. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations?
 8. Substantial reduction in the amount of water otherwise available for public water supplies?
 9. Exposure of people or property to water-related hazards such as flooding or tidal waves?
 10. Significant changes in the temperature, flow or chemical content of surface thermal springs?
- D. *Plant Life*. Will the proposal result in:
1. Change in the diversity of species, or number of any species of plants (including trees, shrubs, grass, crops, and aquatic plants)?
 2. Reduction of the numbers of any unique, rare or endangered species of plants?
 3. Introduction of new species of plants into an area, or in a barrier to the normal replenishment of existing species?
 4. Reduction in acreage of any agricultural crop?
- E. *Animal Life*. Will the proposal result in:
1. Change in the diversity of species, or numbers of any species of animals (birds, land animals including reptiles, fish and shellfish, benthic organisms, or insects)?
 2. Reduction of the numbers of any unique, rare or endangered species of animals?
 3. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?
 4. Deterioration to existing fish or wildlife habitat?
- F. *Noise*. Will the proposal result in:
1. Increase in existing noise levels?
 2. Exposure of people to severe noise levels?
- G. *Light and Glare*. Will the proposal result in:
1. The production of new light or glare?
- H. *Land Use*. Will the proposal result in:
1. A substantial alteration of the present or planned land use of an area?
- I. *Natural Resources*. Will the proposal result in:
1. Increase in the rate of use of any natural resources?
 2. Substantial depletion of any nonrenewable resources?

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J. *Risk of Upset.* Does the proposal result in

- | | Yes | Maybe | No |
|---|--------------------------|--------------------------|-------------------------------------|
| 1. A risk of an explosion or the release of hazardous substances (including, but not limited to, oil, pesticides, chemicals, or radiation) in the event of an accident or upset conditions? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Possible interference with emergency response plan or an emergency evacuation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

K. *Population.* Will the proposal result in:

- | | | | |
|--|--------------------------|--------------------------|-------------------------------------|
| 1 The alteration, distribution, density, or growth rate of the human population of the area? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|

L. *Housing.* Will the proposal result in:

- | | | | |
|--|--------------------------|--------------------------|-------------------------------------|
| 1 Affecting existing housing, or create a demand for additional housing? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|

M. *Transportation/Circulation.* Will the proposal result in:

- | | | | |
|---|--------------------------|-------------------------------------|-------------------------------------|
| 1. Generation of substantial additional vehicular movement? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Affecting existing parking facilities, or create a demand for new parking? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Substantial impact upon existing transportation systems? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Alterations to present patterns of circulation or movement of people and/or goods? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Alterations to waterborne, rail, or air traffic? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

N. *Public Services.* Will the proposal have an effect upon, or result in a need for new or altered governmental services in any of the following areas:

- | | | | |
|---|--------------------------|--------------------------|-------------------------------------|
| 1. Fire protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Police protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Schools? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Parks and other recreational facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Maintenance of public facilities, including roads? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Other governmental services? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

O. *Energy.* Will the proposal result in:

- | | | | |
|---|--------------------------|--------------------------|-------------------------------------|
| 1. Use of substantial amounts of fuel or energy? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Substantial increase in demand upon existing sources of energy, or require the development of new sources? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

P. *Utilities.* Will the proposal result in a need for new systems, or substantial alterations to the following utilities:

- | | | | |
|------------------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. Power or natural gas? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Communication systems? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Water? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Sewer or septic tanks? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Storm water drainage? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Solid waste and disposal? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Q. *Human Health.* Will the proposal result in:

- | | | | |
|--|--------------------------|--------------------------|--------------------------|
| 1. Creation of any health hazard or potential health hazard (excluding mental health)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Exposure of people to potential health hazards? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

R. *Aesthetics.* Will the proposal result in:

- | | | | |
|--|--------------------------|--------------------------|--------------------------|
| 1. The obstruction of any scenic vista or view open to the public, or will the proposal result in the creation of an aesthetically offensive site open to public view? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|

S. *Recreation.* Will the proposal result in:

- | | | | |
|---|--------------------------|--------------------------|--------------------------|
| 1. An impact upon the quality or quantity of existing recreational opportunities? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|

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T Cultural Resources.

Yes Maybe No

- 1. Will the proposal result in the alteration of or the destruction of a prehistoric or historic archeological site?
- 2. Will the proposal result in adverse physical or aesthetic effects to a prehistoric or historic building, structure, or object?
- 3. Does the proposal have the potential to cause a physical change which would affect unique ethnic cultural values?
- 4. Will the proposal restrict existing religious or sacred uses within the potential impact area?

U. Mandatory Findings of Significance.

- 1. Does the project have the potential to degrade the quality of the environment, reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?
- 2. Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals?
- 3. Does the project have impacts which are individually limited, but cumulatively considerable?
- 4. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

III. DISCUSSION OF ENVIRONMENTAL EVALUATION (See Comments Attached)

IV. PRELIMINARY DETERMINATION

On the basis of this initial evaluation:

- I find the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A NEGATIVE DECLARATION will be prepared.
- I find the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

Date: 05/ 20, 1991

For the State Lands Commission
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 MINUTE PAGE 236
 Form 13-30 (7/82)

BREUNER/GREBTUS BUOY

PROJECT DESCRIPTION

The project is located on the west shore of Lake Tahoe at the applicant's upland address of 4920-4930 W. Lake Blvd. northerly of Homewood, in Placer County.

The upland portion of the parcel consists of a low bluff approximately three feet above HWL. A small scarp separates the upland from a gently sloping cobbly upper beach. The upland has been cleared of natural vegetation except for larger trees and shrubs. A house is constructed on the upland. the site is categorized as "Riparian" on the Tahoe Shorezone Assessment (February, 1978).

A small 18 to 20 inch stone wall is constructed at the foot of the low escarpment.

The lakebed at the parcel slopes gently waterward. Substrate consists of cobbles and boulders six inches and larger mixed with gravel. Sandy, silty bottom is found at MLLW.

Two buoy fields are located in the vicinity of the applicant's parcel. Approximately twenty buoys are located in the general buoy field. Two piers are located approximately 200 feet and 150 feet to either side of the applicant's property.

The shorezone is open and affords no inlets or features for shelter for fish. The site has been identified as a spawning area by the California Department of Fish and Game.

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BREUNER/GREBTUS BUOY
DISCUSSION OF ENVIRONMENTAL IMPACT ASSESSMENT

A.1. Earth Conditions

The project involves authorization of placement of four existing mooring buoys. These will not alter any ground features or create unstable conditions.

A.2. Overcovering Soil

The buoys will employ concrete anchor blocks which rest on the bottom substrate. Each block may cover approximately two square feet of lakebottom. About eight square feet of lakebottom will be covered, thus removing it from accessibility to bottom dwelling organisms. The blocks are not heavy enough to cause significant compaction and will not prohibit burrowing organisms from inhabiting the substrate beneath the blocks. Impacts will be minimal.

A.3. Topography

The blocks anchoring the buoys are placed directly on the surface of the lake bottom. Their size and weight will not modify the lakebottom features. Impacts will be minimal.

A.4. Unique Features

The lakebed in the area is flat and lacks unique features. The anchor blocks will not affect the lakebottom or unique features. The buoys are in place and will not be a new impact.

A.5. Erosion

The anchor blocks are placed directly on the lakebed surface. No excavations or regrading are required which might upset bottom profiles and cause erosion. No impacts will occur.

A.6. Siltation

The blocks are in place on a relatively level lakebed. No major currents are in the area to move sediments. Over time a prevailing current could move silt to collect to the side of the anchor blocks. The impact will be negligible.

A.7. Geologic Hazards

The blocks and buoys are placed directly on the lakebottom. Their size, etc. will not induce seismic instabilities or ground failures. No impacts are expected.

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B.1. Emissions

The mooring buoys are placed manually from a boat and rest directly on the lakebed. No special excavations are required. No emissions will result from their placement as they are already in place.

B.2. Odors

The buoys are used for mooring purposes and create no emissions or odors. Exhaust emissions would result only from powerboats mooring or casting-off from them. The impact is negligible.

B.3. Air Alterations

The buoys and anchor blocks remain in the lake. They will not create impacts which would alter air characteristics in any way.

C.1. Currents

The buoys and anchor blocks are small, less than four cubic feet in volume. Their placement will not affect currents or water movements.

C.2. Runoff

The two buoys and anchor blocks are placed in the body of Lake Tahoe. They will not affect surface water drainage patterns, etc.

C.3. Flood Waters

The buoys and anchor blocks are placed in Lake Tahoe. They will not affect flood waters from streamflows.

C.4. Surface Water

The buoys and anchor blocks are placed in the body of Lake Tahoe. Their volume will not affect the surface water volume of the lake.

C.5. Turbidity

The buoys and blocks are placed such that the blocks rest on the surface of the lakebed. Turbidity could result from a buoy block being dragged across the bottom during high winds with a boat moored to the buoy. This impact would be negligible.

C.6. Ground Waters, Flows

The buoys, placed on the lakebed will not penetrate the bottom and affect

ground water flows.

C.7. Groundwater, Quantity

The buoys and anchor blocks rest directly on the substrate surface. They will not penetrate the lakebed and affect groundwater supply.

C.8. Water Supplies

The anchor blocks and buoys will not be used as water acquisition facilities. The water supply at Lake Tahoe will not be impacted.

C.9. Flooding, Etc.

The buoys and anchor blocks are less than eight cubic feet in volume and will not cause a situation leading to flooding. There will be no impact.

C.10. Thermal Springs

The blocks and buoys are placed in Lake Tahoe and will not affect nearby thermal springs.

D.1. Plant Species Diversity