



ENVIRONMENTAL MANAGEMENT AGENCY
P.O. BOX 4048
SANTA ANA, CALIFORNIA 92702-4048

LS. IP 86-113

PROJ. REF. Huntington Harbor

ENVIRONMENTAL ANALYSIS CHECKLIST

IN ACCORDANCE WITH THE POLICIES OF THE ORANGE COUNTY BOARD OF SUPERVISORS REGARDING IMPLEMENTATION OF THE CALIFORNIA ENVIRONMENTAL QUALITY ACT OF 1970, THIS DOCUMENT COMBINED WITH THE ATTACHED "ENVIRONMENTAL INFORMATION" FORM AND SUPPORTING DATA, CONSTITUTES THE INITIAL STUDY ON THE SUBJECT PROJECT. THIS INITIAL STUDY PROVIDES THE BASIS FOR THE DETERMINATION WHETHER THE PROJECT MAY HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT. IF IT IS DETERMINED THAT THE PROJECT MAY HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT, AN ENVIRONMENTAL IMPACT REPORT WILL BE PREPARED WHICH FOCUSES ON THE AREAS OF CONCERN IDENTIFIED BY THIS INITIAL STUDY.

1. WATER - WILL THE PROPOSAL RESULT IN OR BE AFFECTED BY:

A. FLOODING

1) UNSTABLE WATER CONDITIONS OR IN CHANGES IN GEOLOGIC SUBSTRUCTURES?

IMP. NONE. NR.
 --- --- X

2) EXPOSURE OF PEOPLE OR PROPERTY TO GEOLOGIC HAZARDS SUCH AS BURSTING, LANDSLIDES, SLOPESLIDES, GROUND FAILURE, OR SIMILAR HAZARDS?

--- --- X

B. LANDFORM DEFORMATION

1) CHANGE IN TOPOGRAPHY OR GROUND SURFACE RELIEF FEATURES?

--- --- X

2) THE DESTRUCTION, COVERING, OR MODIFICATION OF ANY UNIQUE GEOLOGIC OR PHYSICAL FEATURES?

--- --- X

C. 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, TIDAL OR LAKE?

X --- ---

2. AIR - WILL THE PROPOSAL RESULT IN:

A. INCREASED AIR EMISSIONS OR DETERIORATION OR ADVERSE AIR QUALITY BEYOND PROTECTION BY THE SOUTH COAST AIR QUALITY MANAGEMENT PLAN.

--- X ---

B. EXPOSURE OF PERSONS TO LOCALLY ELEVATED LEVELS OF AIR POLLUTION?

--- X ---

C. THE CREATION OF OBJECTIONABLE ODORS?

--- --- X

D. ALTERATION OF AIR MOVEMENT, MOISTURE OR TEMPERATURE, OR ANY CHANGE IN CLIMATE, EITHER LOCALLY (ADJACENT TO PROJECT) OR REGIONALLY (IN COUNTY)?

--- --- X

3. WINDS - WILL THE PROPOSAL RESULT IN:

A. CHANGES IN CURRENTS, OR THE COURSE OR DIRECTION OF WATER MOVEMENTS, IN EITHER MARINE OR FRESH WATERS?

--- --- X

B. CHANGES IN ABSORPTION RATES, DRAINAGE PATTERNS, EROSION OR THE RATE AND AMOUNT OF SURFACE WATER RUNOFF?

--- --- X

C. ANY INCREASE IN WIND OR WATER EROSION OF SOILS, EITHER ON OR OFF-SITE?

--- --- X

D. CHANGE IN THE AMOUNT OF SURFACE WATER IN ANY WATER BODY?

--- --- X

E. DISCHARGE INTO SURFACE WATERS, OR IN ANY ALTERATION OF SURFACE-WATER QUALITY, INCLUDING BUT NOT LIMITED TO TEMPERATURE, DISSOLVED OXYGEN, OR TOXICITY?

IMP. NONE. NR.
 --- X ---

F. ALTERATION OF THE DIRECTION OR RATE OF FLOW OF GROUND WATERS?

--- --- X

G. CHANGE IN THE QUANTITY OR QUALITY OF GROUND WATERS, EITHER THROUGH DIRECT MOTIONS OR STRAINS, OR THROUGH INTERCEPTION OF AN AQUIFER BY CUTS OR EXCAVATIONS?

--- --- X

H. EXPOSURE OF PEOPLE OR PROPERTY TO WATER-RELATED HAZARDS SUCH AS FLOODING OR TIDAL WAVES?

--- X ---

4. BIOLOGICAL RESOURCES - WILL THE PROPOSAL RESULT IN:

A. CHANGE IN THE DIVERSITY OF SPECIES, CHANGE OR DETERIORATION OF FLORA AND FAUNA HABITAT, CHANGE IN THE NUMBER OF NEW SPECIES OF PLANTS OR ANIMALS, INTRODUCTION OF NEW SPECIES OF PLANTS OR ANIMALS INTO AN AREA, OR INTRODUCTION OF A SPECIES TO THE LOCAL ESTABLISHMENT OR EXTINCTION OF EXISTING SPECIES?

X --- ---

B. REDUCTION OF THE NUMBERS OF ANY SPECIES, ESPECIALLY SIGNIFICANT, RARE OR ENDANGERED SPECIES OF PLANTS OR ANIMALS?

--- X ---

5. **CULTURAL/SCIENTIFIC RESOURCES - WILL THE PROPOSAL RESULT IN AN ALTERATION OF A SIGNIFICANT ARCHAEOLOGICAL OR HISTORICAL SITE, STRUCTURE, OBJECT, OR BUILDING, PALEONTOLOGICAL SITE, OR OTHER IMPORTANT CULTURAL/SCIENTIFIC RESOURCE?**

--- --- X

6. **RECREATION - WILL THE PROPOSAL RESULT IN THE OBSTRUCTION OF ANY SCENIC VIEWS OR VIEW CORSE TO THE PUBLIC, OR WILL THE PROPOSAL RESULT IN THE CREATION OF AN UNSPECIFICALLY OFFENSIVE SITE OPEN TO PUBLIC VIEW?**

--- --- X

7. ENERGY - WILL THE PROPOSAL RESULT IN:

A. USE OF ABNORMALLY HIGH AMOUNTS OF FUEL OR ENERGY?

--- --- X

B. INCREASE DEMAND UPON EXISTING SOURCES OF ENERGY, OR REQUIRE THE DEVELOPMENT OF NEW SOURCES OF ENERGY?

--- --- X

8. LAND USE - WILL THE PROPOSAL RESULT IN:

A. CONFLICT WITH ZONING OR GENERAL PLAN DESIGNATION/USE FOR THE PROPERTY?

--- --- X

CALENDAR PAGE 50
 MINUTE PAGE 1695

184

30-31



	YES	NO	NR
8. CONFLICT WITH ADJACENT, FEDERAL, OR PLANNED LAND USES?		X	
9. DISRUPTION OF URBAN GROWTH, INCLUDING POPULATION AND HOUSING NEEDS (PROJECTED GROWTH LEVELS)?			X
10. WILL PROPOSAL RESULT IN CONVERSION OF VALUABLE AGRICULTURAL LAND TO DEVELOPMENT?			X
11. WILL PROPOSAL PRECLUDE NATURAL RESOURCE EXTRACTION?			X
12. TRANSPORTATION/CONGESTION - WILL THE PROPOSAL RESULT IN:			
A. GENERATION OF ADDITIONAL VEHICULAR MOVEMENT FITTED REGIONAL ANALYSIS.			X
B. EFFECTS ON EXISTING PARKING FACILITIES, OR DEMAND FOR NEW PARKING?			X
C. IMPACT UPON EXISTING OR PLANNED TRANSPORTATION SYSTEMS?			X
D. ALTER PRESENT PATTERNS OF CIRCULATION OR MOVEMENT OF PEOPLE AND/OR GOODS?		X	
E. ALTER WATERWAYS, RAIL, OR AIR TRAFFIC?		X	
F. TRAFFIC HAZARDS TO EQUESTRIANS, MOTOR VEHICLES, BICYCLISTS, OR PEDESTRIANS?			X
G. CREATION OF INTERNAL CIRCULATION PROBLEMS?		X	
13. RECREATION - WILL THE PROPOSAL RESULT IN AN IMPACT UPON THE QUALITY OR QUANTITY OF EXISTING RECREATIONAL OPPORTUNITIES?		X	
14. PUBLIC HEALTH AND SAFETY - WILL THE PROPOSAL:			
A. INCREASE THE RISK OF EXPLOSION OR THE RELEASE OF HAZARDOUS SUBSTANCES, INCLUDING OIL, FERTILIZERS, CHEMICALS, OR RADIATION IN THE EVENT OF AN ACCIDENT OR USUAL CONDITIONS?			X
B. EXPOSE PERSONS OR PROPERTY TO WILDLAND FIRE HAZARD?			X
C. WOULD PREVENT USE OF THE PROPERTY EXPOSE PERSONS WHO MAY OCCUPY THE SITE TO HAZARDOUS SUBSTANCES, INCLUDING BUT NOT LIMITED TO OIL, PESTICIDES, CHEMICALS OR RADIATION?			X

15. NOISE - WILL THE PROPOSAL RESULT IN:			
A. INCREASE OF EXISTING NOISE LEVELS?			X
B. EXPOSURE OF PEOPLE TO NOISE LEVELS IN EXCESS OF COUNTY STANDARDS?		X	
16. LIGHT AND GLARE - WILL THE PROPOSAL PRODUCE NEW LIGHT OR GLARE?			X
17. PUBLIC SERVICES AND UTILITIES - WILL THE PROPOSAL CREATE THE NEED FOR NEW FACILITIES OR THE EXTENSION OF EXISTING FACILITIES WHICH WOULD HAVE ADVERSE PHYSICAL IMPACT?			
A. FIRE PROTECTION			X
B. POLICE PROTECTION			X
C. SCHOOLS			X
D. PARKS AND OTHER RECREATION FACILITIES			X
E. POWER OR NATURAL GAS			X
F. COMMUNICATIONS SYSTEMS			X
G. WATER			X
H. SEWER OR SEPTIC TANKS			X
I. STORM WATER DRAINAGE			X
J. SOLID WASTE AND DISPOSAL			X
K. OTHER SERVICES			X
18. OTHER CONCERNS:			

OTHER CONCERNS AND FINDINGS COMMENT:

EMA/Flood Control Design

	YES	NO	NR
FINDINGS:			
A. DOES THE PROJECT HAVE THE POTENTIAL TO DEGRADE THE QUALITY OF THE ENVIRONMENT, SUBSTANTIALLY REDUCE THE HABITAT OF A FISH OR CRUSTACEAN POPULATION TO BELOW SELF-SUSTAINING LEVELS, THREATEN TO ELIMINATE A PLANT OR ANIMAL COMMUNITY, FRAGMENT THE HABITAT OR RESTRICT THE RANGE OF A RARE ENDANGERED PLANT OR ANIMAL OR ELIMINATE IMPORTANT EXAMPLES OF THE MAJOR PERIODS OF CALIFORNIA HISTORY OR CULTURE?			X
B. DOES THE PROJECT HAVE THE POTENTIAL TO ACHIEVE SHORT-TERM, TO THE DEDIMINISHMENT OF LONG-TERM, ENVIRONMENTAL GOALS? (A SHORT-TERM IMPACT ON THE ENVIRONMENT IS ONE WHICH OCCURS IN A RELATIVELY BRIEF, DEFINITIVE PERIOD OF TIME WHILE LONG-TERM IMPACTS WILL ENDURE WELL INTO THE FUTURE.)		X	
C. DOES THE PROJECT HAVE IMPACTS WHICH ARE INDIVIDUALLY LIMITED, BUT COLLECTIVELY CONSIDERABLE? (A PROJECT MAY IMPACT ON THE OR MORE SEPARATE RESOURCES WHERE THE IMPACT ON EACH RESOURCE IS RELATIVELY SMALL, BUT WHERE THE EFFECT OF THE TOTAL OF THESE IMPACTS ON THE ENVIRONMENT IS SIGNIFICANT.)			X
D. DOES THE PROJECT HAVE ENVIRONMENTAL EFFECTS WHICH WILL CAUSE SUBSTANTIAL ADVERSE EFFECTS ON HUMAN BEINGS, EITHER DIRECTLY OR INDIRECTLY?			X
DETERMINATION:			
<input type="checkbox"/> I FIND THE PROPOSED PROJECT COULD NOT HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT, AND A NEGATIVE DECLARATION WILL BE PREPARED.			
<input checked="" type="checkbox"/> 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 SPECIFIED ON AN ATTACHED SHEET HAVE BEEN ADOPTED TO THE PROJECT. A NEGATIVE DECLARATION WILL BE PREPARED.			
<input type="checkbox"/> I FIND THE PROPOSED PROJECT MAY HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT, AND AN ENVIRONMENTAL IMPACT REPORT IS REQUIRED.			

Environmental Management Agency By: USA Burke Date: 5/17/84



ENVIRONMENTAL ANALYSIS

EXPLANATIONS/MITIGATION DISCUSSION

SUPPLEMENT TO CHECKLIST FORM NO. F0250-338

I. PROJECT DESCRIPTION

The project consists of maintenance dredging to remove material that has shoaled into the existing channel and return to the channel to nearly original width and depth design dimensions. This dredging will include a total of approximately 156,000 cubic yards of material from Huntington Harbour, Sunset Harbor, Christiana Bay, Sunset Aquatic Park Access Channel, and Sunset Channel. The work will be performed in the main fairway channel of Sunset Harbor and Huntington Harbour between the Pacific Coast Highway Bridge and Warner Avenue, in the Sunset Aquatic Park Access Channel and in Sunset Channel. The City of Huntington Beach has requested that maintenance dredging in Christiana Bay also be included in the project, to be funded by the city. See Exhibits 1 and 2 for vicinity and project site maps. The dredged material will be disposed of at the approved Environmental Protection Agency ocean disposal site LA-2.

II. PROJECT BACKGROUND

The Huntington Harbour area is located seven miles southeast of Long Beach, and is accessed through the jetties at Anaheim Bay. The harbor, made up of Sunset Harbor and Huntington Harbour, consists of several man-made channels located in the cities of Huntington Beach and Seal Beach, and in the County of Orange.

The County is responsible for maintenance dredging within the Sunset Harbor and Huntington Harbour main channel. While the City of Huntington Beach is responsible for maintenance dredging of all other waterways within Huntington Harbour, the County has agreed to act as the agent for the City in performing dredging outside of the County's area of responsibility.

Project dimensions consist of a channel depth to -10 to -12 feet MLLW and a variable channel width, depending on the location. For the majority of the project the channel width is defined as the distance between the established pierhead lines. In Sunset Harbor where there are no pierhead lines the channel width is defined by the original dredging adjusted to enhance eelgrass mitigation efforts. The Sunset Aquatic Park Access Channel width is 100 feet.

The harbor was dredged to -10 feet MLLW in the 1960's as part of the Huntington Harbour Development Project. Much of the channel has remained stable since the initial dredging. The only maintenance dredging that has been performed since construction is at the outlet of the Bolsa Chica Flood Control Channel. In 1979 about 100,000 cubic yards of material were removed and placed upland at Sunset Aquatic Park. In 1983, 50,000 cubic yards of material were removed in the area of the marina and also placed upland.

CALENDAR PAGE	52
MINUTE PAGE	16917

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Exhibit 3 shows the areas within the main fairway, Sunset Aquatic Park Access Channel, Sunset Channel and Christiana Bay that are shallower than the proposed project depths. Maintenance dredging is needed to remove this shoaling which has resulted in numerous boat groundings and an inability of the Harbor Patrol to reach all parts of the harbor at all times. Navigation problems occur at both high and low tides at the Pacific Coast Highway Bridge, near Warner Avenue and in Sunset Channel.

Two specific features are being incorporated in the project to accomplish the maintenance dredging with the least impact to eelgrass habitat and to insure design depths in high shoaling areas. These are: (1) realign the channel in Sunset Harbor near the PCH Bridge to minimize the effect on eelgrass; and (2) perform two foot advance maintenance dredging for a 1,600 foot length in Sunset Harbor and a 500 foot length near Warner Avenue.

Various studies were prepared in conjunction with the proposed plan including an eelgrass survey, a geotechnical investigation, a bioassay study and an environmental impact analysis. Copies of the complete Project Report and associated studies are available for review at the County of Orange Environmental Management Agency, Flood Control Design Division or Environmental and Special Projects Division.

This project will also require regulatory approvals from the following agencies:

U.S. Army, Corps of Engineers
California Coastal Commission
California Division of State Lands
California Water Quality Control Board

III. ENVIRONMENTAL ANALYSIS (Keyed to attached Checklist)

1. EARTH C

Explanation

As described above, the project includes dredging in Sunset Harbor, Huntington Harbour, Sunset Aquatic Park Access Channel, Christiana Bay and Sunset Channel, totaling approximately 156,000 cubic yards of material. The material to be dredged has been deposited over the years since the harbor was dredged to -10 MLLW in the 1960's as part of the Huntington Harbour Development Project. This shoaling which has occurred results in navigational problems, boat groundings and an inability of the Harbor Patrol to reach all parts of the Harbor at all times. The proposed channel modification will resolve existing navigational/access problems and no mitigation is required.

2. AIR B,C

Explanation

The operation of dredging equipment used for this project will result in localized increases in pollutant emissions. Dredging equipment will be either a hydraulic dredge, or a clamshell dredge, or both. Operations will include disposal of dredging material by towing a dump scow to and from the ocean disposal site approximately twice a day. In addition, a tugboat may be needed to move the dredge throughout the harbor, as

needed to reach shoaled areas. A pollutant emission analysis indicates that the emission from dredging equipment will not be significant. The most significant emissions would be CO and NOx. Compared to projected emissions for the County and the SCAQMD local source receptor area (SRA), maximum total project related emissions are determined to be insignificant:

REGIONAL EMISSIONS INVENTORY COMPARISON (1987)
(Tons/Day)

POLLUTANT	Orange County ^a	SRA # 18 ^b	Project	Projects Percent of SRA #18/OC
CO	1,254.78	215.51	0.04	0.02/0.003
NOx	173.98	38.17	0.20	0.52/0.11

a) Source: SCAQMD, Draft AQMD, Draft Appendix V-C, August 1982

b) Source: SCAQMD, Air Quality Handbook for EIRs, Revised December 1983.

Mitigation

Although it has been determined that project-related emission will not be significant, standard contract regulations will be required to minimize project emissions, including the following:

- a. Contractor shall maintain all engines in proper tune to assure efficient working order.
- b. Contractor shall shut down engines when not in, or prepared for, direct operational use.

3. WATER E

Explanation

Dredging operations will cause increased turbidity in the surface waters, from discharging the suspended fine sediments within the liquid portion of the dredge material, and may also result in lowered dissolved oxygen values. These impacts are anticipated to be short-term. Because the Sunset Harbor dredging area near the Pacific Coast Highway Bridge is within potential least tern foraging area, the reduction in water clarity may reduce the least terns' ability to locate and obtain the fish on which they rely for food. Additionally, substantial increases in turbidity could decrease the productivity of algae and eelgrass species, and if sufficiently heavy, the coating of these plants with sediment could result in decreased viability of the plants for the duration of dredging operations in the area. Mitigation measures to reduce these impacts are discussed below.

The dredged material will be disposed of at the ocean disposal site LA-2, south of Point Fermin. A bioassay and sediment chemistry analysis was conducted for the proposed dredge material to allow the Corps of Engineers and Environmental Protection Agency to determine if the material was acceptable for ocean disposal. Upland and beach disposal

CALENDAR PAGE	54
MINUTE PAGE	1699

sites were also considered for this project, but were found to be infeasible. Based on the bioassay analysis, the EPA approved ocean disposal of dredge material at the local site, LA-2.

Mitigation

The potential least tern foraging areas and the primary eelgrass beds are located in Sunset Harbor between the PCH Bridge and the Sunset Aquatic Park. In this area, the following mitigation shall apply:

Because the spring and summer months are the most critical months at this location for the least tern, dredging shall be avoided to the maximum extent feasible in Sunset Harbor from April to mid-September. In the event that dredging must be conducted in this area during spring or summer months, only a hydraulic dredge and dump scow shall be used (hydraulic dredging equipment causes less turbidity than clamshell dredging equipment).

The dump scow shall be loaded during ebb tide so that suspended material will be flushed out of the harbor.

Impacts to the least tern or eelgrass due to increased turbidity will be short-term, with a return to predredge conditions expected shortly after the completion of dredging. A plan for eelgrass mitigation is discussed under 4. Biological Resources.

4. BIOLOGICAL RESOURCES A,B

Explanation

Although the dredging area has been refined to avoid eelgrass beds as much as possible, approximately 0.3 acres of eelgrass habitat is located within the proposed dredging near the middle of the main channel through Sunset Harbor (See Exhibit 4).

As described above, the California least tern may use Sunset Harbor for foraging from April to September. Any increased turbidity due to dredging operations could impact least tern foraging activity.

Mitigation

An eelgrass mitigation plan has been prepared as part of this project to mitigate the direct loss of eelgrass habitat during dredging. The complete mitigation plan is attached as Exhibit 5.

Primary components of the eelgrass mitigation plan include dredging and transplanting eelgrass habitat; monitoring of the transplant; determination of transplant success; and provisions to ensure successful eelgrass transplant. The proposed eelgrass transplant replaces 100 percent of the removed habitat; therefore, impact to eelgrass is mitigated to a level of insignificance.

Please refer to 3. Water for discussion of potential impact to the least tern and mitigation to reduce this impact.

8. LAND USE B

Explanation

Temporary land use conflicts could result between dredges, scows and other ancillary equipment with such land uses as fishing docks, public beaches and the public boat launching facility near Warner Avenue. In addition, dredging could be considered a temporary adverse aesthetic impact to local restaurants and other uses where views are a marketable feature.

Mitigation

Potential land use conflicts will be short-term, occurring while dredging is conducted. To minimize any conflict, dredging shall be scheduled as much as possible between September and April to avoid the high use spring/summer seasons.

9. TRANSPORTATION/CIRCULATION D, E, G; WATER H

Explanation

Proposed dredging operations will affect water traffic patterns, navigation, and mooring.

Dredging activities in the main fairway will cover an area approximately 100 feet wide by 400 feet long, thereby reducing the navigable portion of the waterway by those dimensions. During dredging in the main fairway, occurring over approximately 24 weeks, passage of vessels through the waterway and around the dredge and ancillary equipment will be restricted; particularly near the PCH Bridge where existing shoals already narrow the navigable area.

Dredging in Sunset Channel will impact navigation in this area. Continuous passage through the channel is currently restricted due to the 5 feet vertical bridge clearance midway across the channel. The 40 foot width between docks will not allow boat mooring or navigation during dredging. Therefore, Sunset Channel will be temporarily closed to permit dredging activity within the channel. Fifty to sixty boats currently docked within the channel will have to be relocated outside Sunset Channel until dredging is completed; this will result in a temporary impact by eliminating access and docking for boats normally kept in the area. Dredging in this channel will take about five weeks to complete. The dump scow for this portion of dredging will be located at the southerly end of Sunset Channel.

Similarly, about 12 boats in Christiana Bay will have to be relocated for about 2 weeks while dredging under the docks is performed.

The potential for water related hazards will exist due to restricted navigable area and use of the channels by both dredging equipment and other boats.

Mitigation

While there are short-term adverse impacts as described above, the long-term impact of proposed dredging will result in the elimination of shoals and an overall safer boating area.

To reduce the potential impact to boating due to the dredging, the Contractor will be required to retain a navigable channel at all times by employing a minimum width operation, and if a hydraulic dredge is used, by sinking the dredge pipe. However, this will not be possible in Sunset Channel and Christiana Bay where navigation and mooring will be impacted.

In addition, dredging shall be scheduled to avoid the high use spring/summer seasons.

10. RECREATION

Explanation/Mitigation

Recreational boating requiring the use of the dredging area will be temporarily impacted during dredging operations. Mitigations to reduce the impact on this water traffic are described above under 6. Transportation/Circulation.

11. NOISE B

Explanation

Dredging activities will include the operation of the dredge between 7 a.m. and 8 p.m., Monday through Friday, and 9 a.m. to 6 p.m. on Saturday. No work will be allowed on Sundays or on Federal holidays. The dredging operations could produce a noise level of up to 75 dB(A) at 50 feet for either hydraulic or clamshell dredges. This is the noise level that would be experienced at the residences and other uses that are closest to the waterway when dredging occurs near-shore. Such noise levels may exceed City and County noise ordinances when the dredge is closest to the houses or in a confined area such as Sunset Channel.

Mitigation

The contractor shall employ muffling and sound attenuation devices such that no project-related equipment exceeds local or state noise standards.

The contractor shall comply with the noise ordinances of the cities of Huntington Beach and Seal Beach, and of the County of Orange.

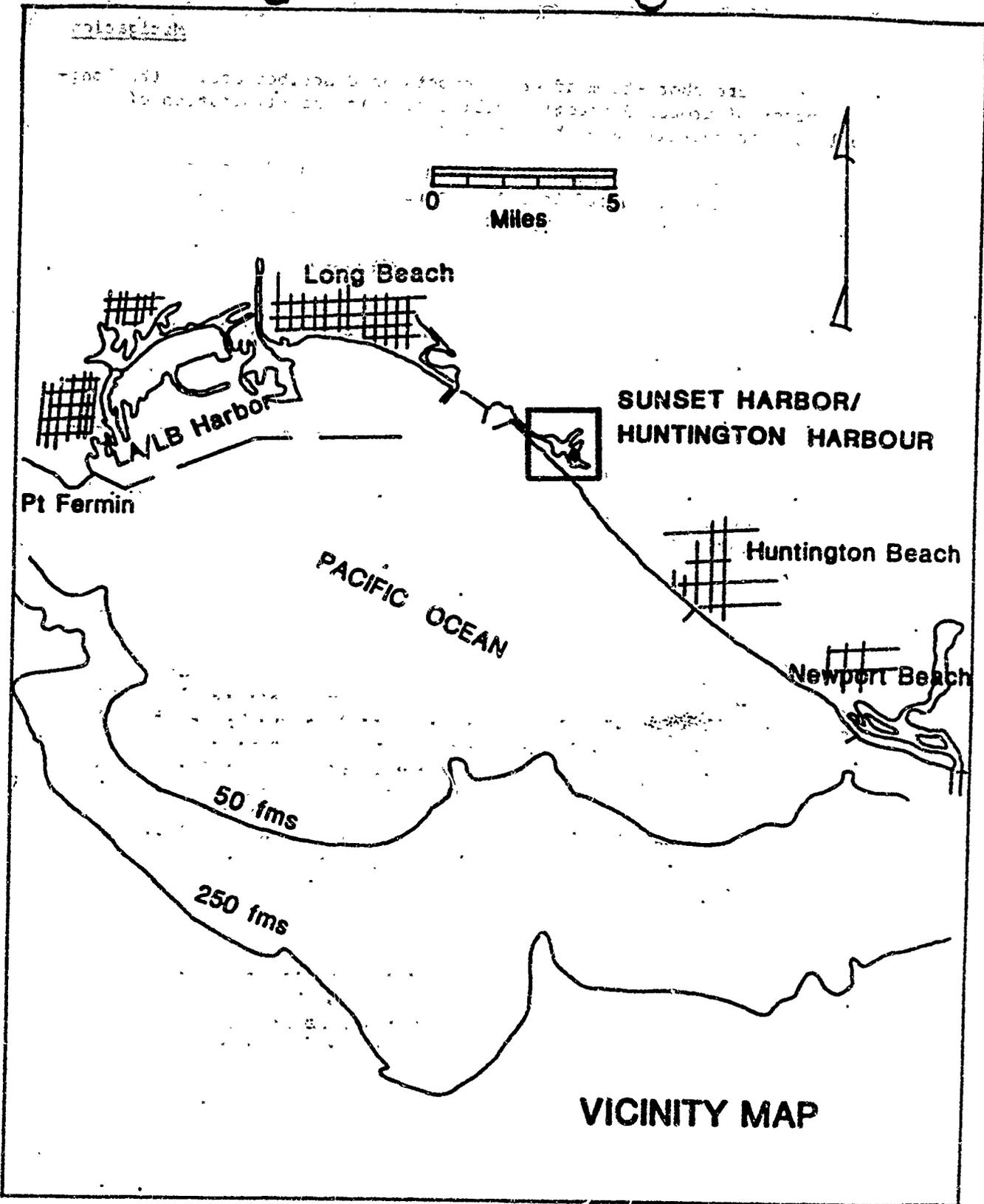
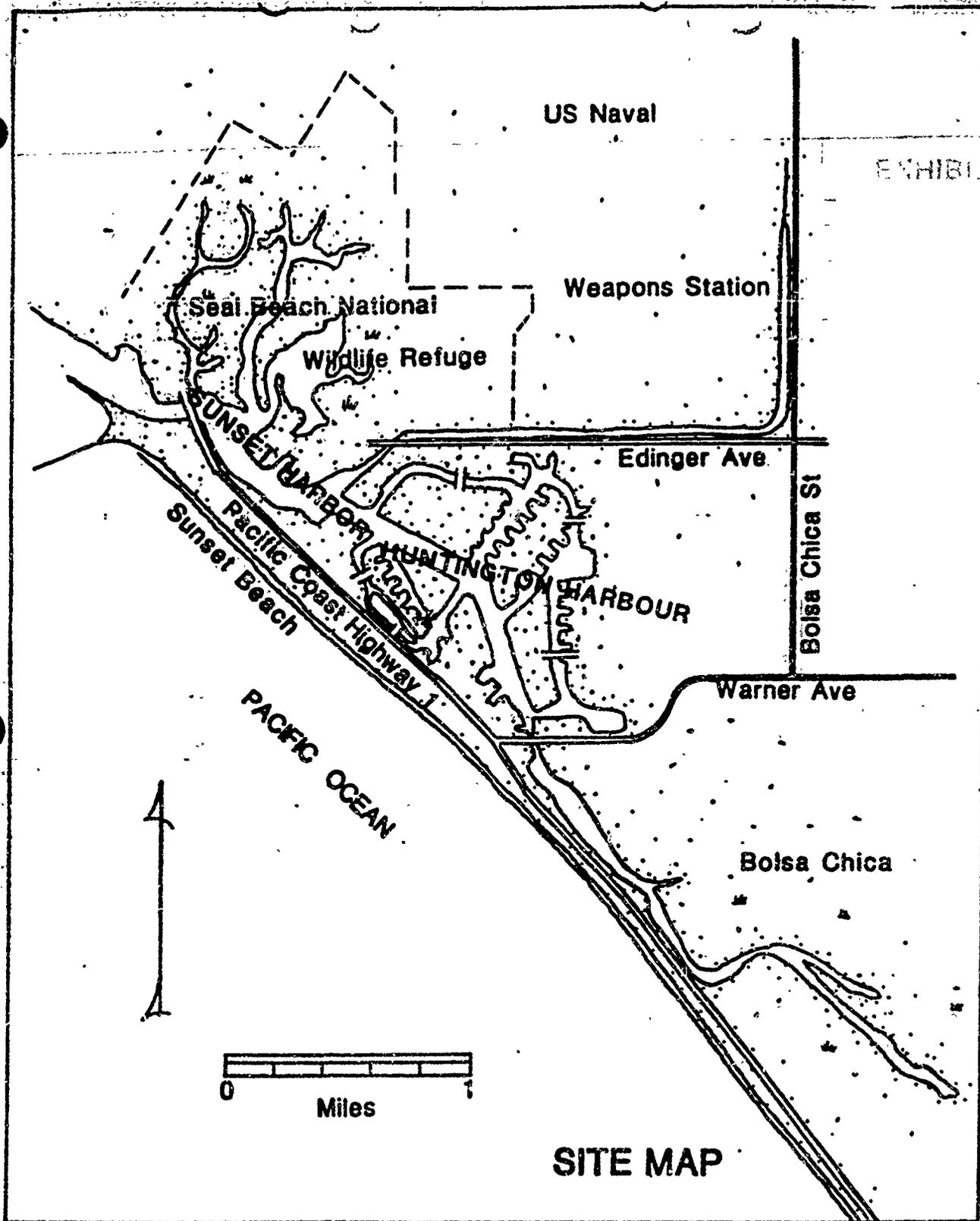


EXHIBIT 1



CALENDAR PAGE	58
MINUTE PAGE	1703



EXHIBIT

EXHIBIT 2



CALENDAR PAGE	59
MINUTE PAGE	1704

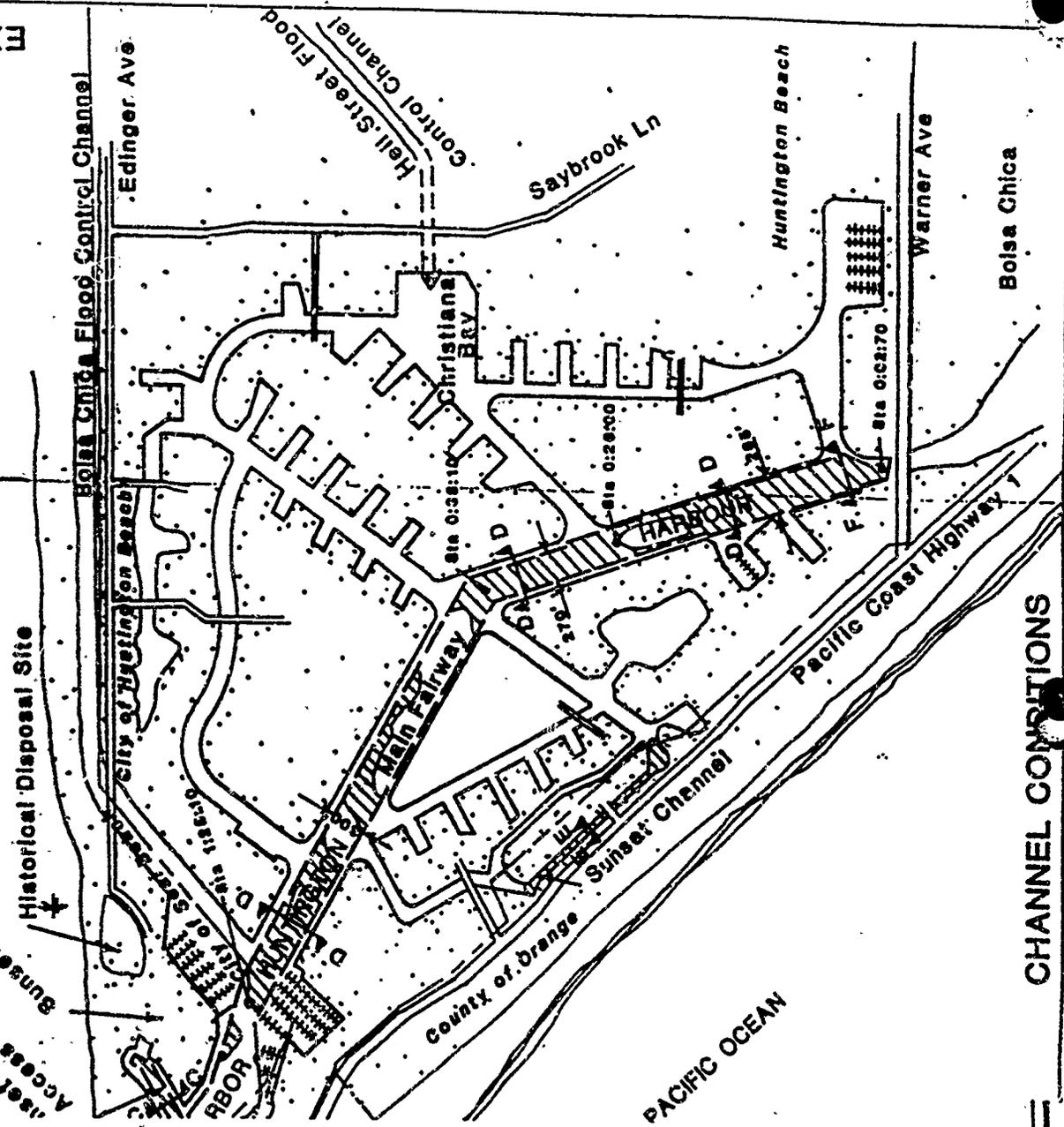
3a-40

EXHIBIT 3

U S Naval Weapons Station

Seal Beach National Wildlife Refuge

East Aquatic Park
Access Channel
Sunset Aquatic Park
Historical Disposal Site



CHANNEL CONDITIONS

CALENDAR PAGE	60
MINUTE PAGE	1705

3a-41

EELGRASS MITIGATION PLAN
HUNTINGTON HARBOUR/SUNSET HARBOR/
CHRISTIANA BAY/SUNSET CHANNEL MAINTENANCE DREDGING
COUNTY OF ORANGE, ENVIRONMENTAL MANAGEMENT AGENCY

November 12, 1986

The County of Orange proposes transplanting about 14,000 sq. ft. (0.3 acres) of subtidal area with Zostera Marina (eelgrass) to mitigate for the loss of eelgrass with a similar area due to maintenance dredging in Sunset Harbor. The mitigation plan consists of the following:

LOCATION:

Transplanting will occur adjacent to the main part of the effected beds. Figure 1 shows the eelgrass beds that will be affected. Limits of dredging areas, remaining eelgrass beds, and transplanting areas will be marked with buoys during the work.

SUBSTRATE:

Approximately 800 cubic yards of dredged sandy material from the effected area will be deposited in the transplanting area to form a suitable substrate for eelgrass attachment and growth. A transplanting area about 14,000 sq. ft. in size, with a minimum coverage of 1 foot of sandy material, and with a range in elevation of -1 to -6 ft MLLW will be created. Dredging and disposal techniques, such as low exit velocities, high material concentration, and placement of the disposal pipe will be specified in the dredging contract to ensure that the required area is obtained and remaining beds are not damaged.

TRANSPLANTING STOCK:

Eelgrass transplanting stock will be obtained from the effected area prior to the dredging. The stock will be temporarily stored, unless an acceptable alternative is proposed, by placing it adjacent to existing eelgrass areas on the north side of the channel as shown on figure 1.

If the stored eelgrass does not survive, then donor eelgrass will be obtained from a source acceptable to the National Fisheries Service (NMFS), U.S. Fish and Wildlife Service (USFWS), California Department of Fish and Game (CDF&G), the Corps of Engineers, and the County of Orange.

CALENDAR PAGE	62
MINUTE PAGE	1707

EXHIBIT 5

39-43

DREDGING AND TRANSPLANTING PROCEDURE:

The following steps will be performed before or during the transplant:

1. Prior to dredging, 5 to 10 sediment grab samples will be obtained from the areas to be dredged in Sunset Harbor. A grain size analysis of the samples will be performed. The best material for improving the eelgrass transplant area will be determined in consultation with the resource agencies.
2. Prior to dredging, a test transplant will be performed to determine the best means of temporarily holding eelgrass before the transplant.
3. An eelgrass survey of the area to be effected will be performed prior to dredging for the purpose of determining the actual impact on eelgrass beds.
4. Prior to dredging the effected area, 52,500 shoots will be obtained from the effected area and temporarily placed in the area designated for temporary storage.
5. The dredging contractor, under supervision by the County and its representatives, shall dredge and place sufficient sandy material to obtain the required transplanting area.
6. Within one week of dredging in the effected area, an eelgrass survey will be performed in order to determine the remaining eelgrass.
7. Eelgrass shall be transplanted using a bundle/anchor technique. A total of 3,500 planting units (based on an affected area of 14,000 sq. ft.) consisting of 15 shoots per bundle will be planted on 2 foot centers. Transplanting will occur about, but no sooner than, 30 days after dredging unless modified by the resource agencies.

Alternatively, if suitable sandy material can be placed to improve the substrate and allowed to stand for a minimum of 60 days prior to dredging the eelgrass area, then the effected eelgrass can be transplanted directly to the improved area and temporary transplanting will not be necessary. If this occurs then: step 2 above will not be required; step 4 will involve transplanting directly to the improved area; and in step 7, transplanting will occur no sooner than 60 days after material has been placed to improve the substrate.

MONITORING

The eelgrass transplant will be monitored at the following times:

1. At 3 and 6 months after the transplant, diving surveys will be performed to determine the survival of eelgrass. The transplant area will be subdivided into a minimum of 4 areas and survival determined for each area. A short letter report relaying the results will be submitted to the Corps of Engineers, and the resource agencies.
2. At 1 and 2 years after the transplant, diving surveys will be performed to determine the density of the transplanted eelgrass. A short letter report relaying the results will be submitted to the Corps of Engineers, and the resource agencies.

Additionally, hydrographic surveys shall be performed at intervals of 6 months over the two year period.

SUCCESS:

Success of the transplanting will be based on:

1. A 65% survival of eelgrass in the 4, or more, subdivided areas at the end of 3 and 6 months.
2. At the end of the first year, 50% density of eelgrass over the transplant area compared to the control site.
3. At the end of the second year, a 90% density of eelgrass over the transplant area compared to the control site.

PROVISIONS:

The following is a list of provisions to ensure that the mitigation is successful. A matrix is included that summarizes the actions.

1. If at the end of 3 months, 6 months and 1 year the success criteria has not been met, then additional eelgrass will be imported and transplanted, and/or other remedial measures will be taken in consultation with the resource agencies.
2. If at the end of the second year:
 - a. The success criteria has been met, then mitigation is satisfied, or,

CALENDAR PAGE	64
MINUTE PAGE	1709

- b. An 80 to 90% eelgrass density compared to the control exists, then additional shoots will be added to the area. Mitigation will then be satisfied, or,
- c. Less than 80% eelgrass density compared to the control exists, then the difference between the relative density and 100% will be the percent of the impacted area remaining to be mitigated for in lieu of transplanting eelgrass. The Mitigation will be satisfied by turning an equal upland area (equal to the impacted area remaining to be mitigated for) at the westerly end of Sunset Aquatic Park into an intertidal zone (to 0 ft. MLLW). For example, if 70% eelgrass density exists compared to the control, then 4,200 sq. ft. of upland habitat, 30% of the effected area ($.3 * 14,000$ sq. ft.), will have to be converted to intertidal habitat. The actual area to be converted will be subject to approval of the resource agencies, the County of Orange, and other groups interested in Sunset Aquatic Park.

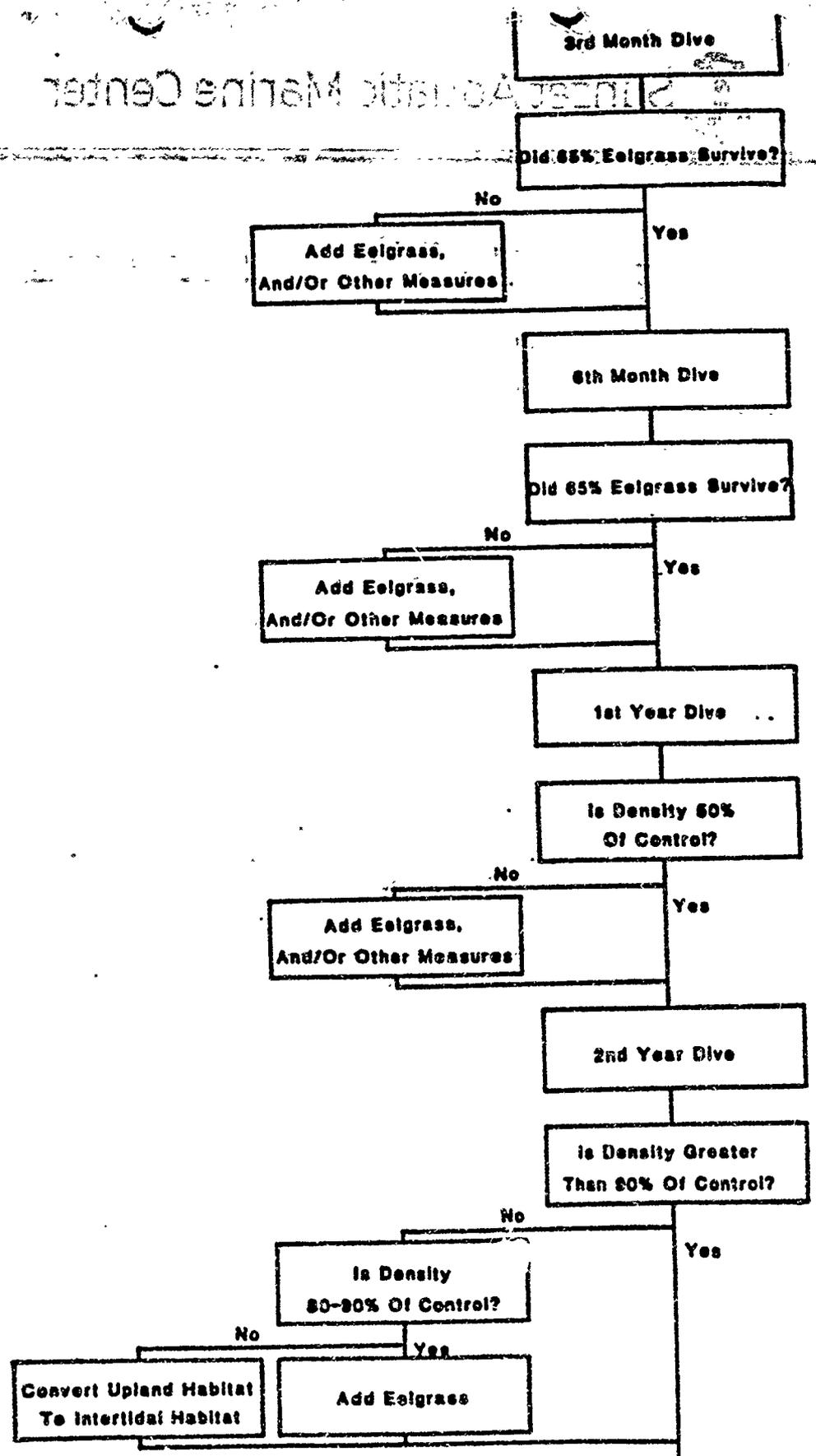
3. Potential remedial measures include:

- a. Import coarse sandy material and retransplant;
- b. Transplant at another site in the project vicinity;
- c. Transplant to an offsite area;
- d. Combine with another eelgrass transplanting project; or
- e. Other appropriate measures agreed to.

CALENDAR PAGE	65
MINUTE PAGE	1710

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**Figure 2
EELGRASS MITIGATION PLAN**

Mitigation Satisfied

CALENDAR PAGE

67

MINUTE PAGE

1712

3a-48



Sunset Aquatic Marine Center

9 March 1989

RECEIVED

VIA FEDERAL EXPRESS

MAR 10 1989

Kelly Main
Assistant Planner
City of Huntington Beach
Department of Community Development
2000 Main Street
Huntington Beach, California 92648

DEPARTMENT OF
COMMUNITY DEVELOPMENT

RE: NEGATIVE DECLARATION NO. 88-30
PORTOFINO COVE BOAT SLIPS
Your correspondence of February 17 1989 to Office of Planning & Research

Dear Ms. Main:

I am in receipt of a copy of your correspondence referenced above. I am concerned that I have not been contacted about this proposal.

Sunset Aquatic Marine Center hauls approximately 2,200 to 2,300 boats within Huntington Harbour each year; and we employ between 35 to 40 persons per year. The proposal outlined in your February 17 1989 correspondence may have a major impact on my business and I feel very strongly that I have not been made aware of this until now.

As a concerned resident and businessman of Huntington Harbour I would appreciate being made aware of any and all future developments.

Thank you for your consideration.

Sincerely,

Derek C. McWhinney
President & Chairman of the Board

DCMcW/ds

cc: SEE ATTACHED

P.O. Box 2526 • 2901 Edinger • Huntington Beach, CA 92647
(714) 840-1331 (213) 592-2841

DATE	68
MINUTE PAGE	1713

cc: Lisa Burke
Environmental Management Agency
County of Orange
12 Civic Center Plaza
Santa Ana, CA 92702

U.S. Fish & Wildlife Service
Ecological Services
24000 Avila Road
Laguna Niguel, CA 92677

Steven John
U.S. Environmental Protection Agency
Federal Activities Branch
215 Fremont St.
San Francisco, CA 94105

Captain Harry Gage
Harbor Master
Sheriff/Coroner Department
City of Orange
1901 Bayside Drive
Corona del Mar, CA 92625

Ted Fukushima
State Lands Commission
1807 Thirteenth St.
Sacramento, CA 95814

California Water Quality Control Board
Santa Ana Region
6809 Indiana Avenue, Ste. #200
Riverside, CA 92506

Bob Joseph
California Coastal Commission
245 W. Broadway, Ste. #380
Long Beach, CA 90802

Karen Cagle
Department of Boating & Waterways
1629 S. Street
Sacramento, CA 95814

Bob Maculsay
John Delava
Portofino Cove Condominium Assoc.
16291 Countess Drive #102
Huntington Beach, CA 92649

Office of the Governor
Office of Planning & Research
State Clearinghouse
1400 Tenth St., Room 121
Sacramento, CA 95814

Dick Nitsos, Environmental Coordinator
Rolf Mall, Program Manager
Department of Fish & Game
Marine Resources Division
3300 Golden Shore, Ste. #50
Long Beach, CA 90802

Charles M. Holt, P.E.
Chief, Regulatory Branch
Department of the Army
Los Angeles District
P.O. Box 2711
Los Angeles, CA 90053-2325

C.R. Nelson
Director of Public Works
Orange County Harbors, Beaches &
Parks
County of Orange
PO Box 400
Santa Ana, CA 92702-4048

CALENDAR PAGE	69
MINUTE PAGE	1714

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
8809 INDIANA AVENUE, SUITE 200
RIVERSIDE, CALIFORNIA 92506
PHONE: (714) 782-4130

**RECEIVED**

March 10, 1989

MAR 13 1989

Kelly Main, Assistant Planner
Department of Community Development
2000 Main Street
Huntington Beach, CA. 92648

DEPARTMENT OF
COMMUNITY DEVELOPMENT

NEGATIVE DECLARATION NO. 88-30 - PORTOFINO COVE BOAT SLIPS

Dear Ms. Main:

We have reviewed the above-referenced report and have the following comments.

Should there be any proposed discharges of wastes from construction activities, including dredging, to land or surface waters of the State, the proponent will need to file a Report of Waste Discharge with this Regional Board.

The proponent should also provide this office with written assurances that no wastes will be discharged to surface waters from vessels moored at the docks.

We look forward to reviewing any future CEQA documents related to this project.

If you should have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Gary Krueger".

Gary Krueger, Environmental Specialist II
Regulations Section

cc: Garrett Ashley, State Clearinghouse

GLK/2694HBPC.NEG

CALENDAR PAGE	70
MINUTE PAGE	1715



RECEIVED

MAR 22 1989

DEPARTMENT OF

County of Orange

ENVIRONMENTAL MANAGEMENT AGENCY
PLANNING

MAR 21 1989

ERNE SCHNEIDER
DIRECTOR, EMA

MICHAEL M. RUANE
DIRECTOR OF PLANNING

LOCATION:
12 CIVIC CENTER PLAZA
SANTA ANA, CA

MAILING ADDRESS:
P.O. BOX 4048
SANTA ANA, CA 92702-4048

TELEPHONE:
(714) 834-4843
FAX #: 835-7425

FILE: NCL 89-22

Kelly Main, Assistant Planner
Department of Community Development
City of Huntington Beach
2000 Main Street
Huntington Beach, CA 92648

SUBJECT: ND for Portofino Cove Boat Slips Correction

Dear Ms. Main:

The above referenced item is a Negative Declaration (ND) for a request to construct 49 boat slips in the Main Harbour Channel and the Bolsa Chica Channel for use by Portofino Cove Condominium owners. The County of Orange has reviewed the ND resulting in the following comments:

FLOOD:

It is unclear from the documents what impact, if any, there will be on the OCPCD's Bolsa Chica Channel. Some of the wording seems to suggest that some of the boat slips will be within the OCPCD's channel. The material submitted is silent on the matter of rights for use of OCPCD property and impact, if any, on the OCPCD channel.

Thank you for the opportunity to respond to the ND. If you have any questions, please call Kari Rigoni at (714) 834-4639.

Very truly yours,
Timothy S. Neely, Manager
Environmental Planning Division

By: *Kari Rigoni*
Kari Rigoni, Sr. Planner

CH:jmh PEL01-45/9080
9031607552283

CALENDAR PAGE	71
MINUTE PAGE	1716

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DEPARTMENT OF THE NAVY
 NAVAL WEAPONS STATION
 SEAL BEACH, CALIFORNIA 90740

RECEIVED

IN REPLY REFER TO
 5090
 Ser 0923/357
 March 14, 1989

RECEIVED

MAR 16 1989

City of Huntington Beach
 Attn: Kelly Main
 2000 Main Street
 Huntington Beach, CA 92648

DEPARTMENT OF
 COMMUNITY DEVELOPMENT

Dear Mr. Main:

This letter provides the Naval Weapons Station, Seal Beach's comments on the Negative Declaration No. 88-30 Portofino Cove Boat Slips Correction.

A situation that is of major concern to the Naval Weapons Station is the boating traffic through Anaheim Bay. The increase in boating traffic from the project was discussed in the Negative Declaration. The Negative Declaration considered the increase in boating traffic to be insignificant with no significant adverse impacts anticipated. What was not discussed was the cumulative impacts from this and other projects. To date, the Weapons Station is aware of three other projects that propose to construct boat slips. It is requested that the cumulative impacts be addressed in the Negative Declaration and mitigation measures be identified.

Another area that is of concern is the water quality in Anaheim Bay and the impacts to the National Wildlife Refuge. The water quality was addressed in the Negative Declaration but only as impacted by construction. What was not discussed was the impact on water quality that will result from the presence of boats. The potential for an oil/gas/sewage spill/discharge and mitigation measures should be addressed. The discussion on water quality should also consider the cumulative effect from other projects.

As projects in Huntington Harbour appear to be developing independently it seems that a Master Plan overview on the continued development of Huntington Harbour would be in order. This request was also submitted to the County of Orange in the Weapons Station's comments on the Environmental Impact Report for Sunset Aquatic Regional Park General Development Plan, EIR 478.

As safety, security, and water quality are of vital interest to the Navy, support for this project cannot be provided. The Naval Weapons Station, Seal Beach, therefore, formally objects to this project until the concerns are adequately addressed and impacts mitigated.

Point of contact for this matter is Steve McDonald (213) 594-7592.

S. T. Holl
 S. T. HOLL

CALENDAR PAGE	72
MINUTE PAGE	1717

36-5



City of Huntington Beach

2000 MAIN STREET

CALIFORNIA 92648

DEPARTMENT OF COMMUNITY DEVELOPMENT

Building Division 536-5241

Housing/Redevelopment Division 536-5542

Planning Division 536-5271

March 29, 1989

Derek C. McWhinney
Sunset Aquatic Marine Center
2901 Edinger
Huntington Beach, CA 92647

**SUBJECT: NEGATIVE DECLARATION NO. 88-30
PORTOFINO COVE BOAT SLIPS**

Dear Mr. McWhinney:

The City of Huntington Beach appreciates your response to Negative Declaration No. 88-30. The document was prepared to analyze the environmental impacts which might result from construction of the proposed Portofino Cove Boat Slips. The Negative Declaration was advertised in the Daily Pilot on February 18, 1989, notifying the public of a 30-day review and comment period ending March 20, 1989.

In Negative Declaration No. 88-30, impacts are discussed for the areas of Earth and Water Resources, Plant Life, Animal Life, Noise, Light and Glare, Recreation and Traffic/Circulation. With the circulation of a Negative Declaration, City staff is maintaining that potentially significant impacts which might result from the project have been reduced to insignificant impacts through mitigation measures.

While your letter of March 9, 1989, states that there will be "impacts" to your business as a result of the project, it does not specifically list them. I am unable to determine from your letter the type of impacts you are concerned about and whether or not they are impacts which could be appropriately addressed in an environmental assessment document. We would appreciate receiving any additional comments or information you might provide, so that we might be able to more specifically address your concerns.

Once again, thank you for your letter.

Sincerely,


Kelly Main
Assistant Planner

CALENDAR PAGE	73
MINUTE PAGE	1718

(2324d)

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City of Huntington Beach

2000 MAIN STREET

CALIFORNIA 92648

DEPARTMENT OF COMMUNITY DEVELOPMENT

Building Division 536-5241
Housing/Redevelopment Division 536-5542
Planning Division 536-5271

March 29, 1989

Mr. Gary Krueger
Environmental Specialist II
Regulations Section
California Regional Water Quality Control Board
Santa Ana Region
6809 Indiana Avenue, Suite 200
Riverside, CA 92506

SUBJECT: NEGATIVE DECLARATION NO. 88-30
PORTOFINO COVE BOAT SLIPS

Dear Mr. Krueger:

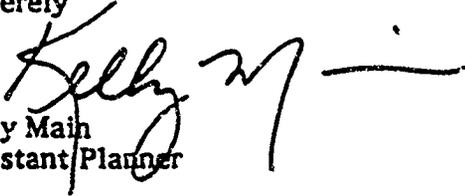
Thank you for your letter of March 10, 1989, regarding Negative Declaration No. 88-30. As you have recommended, we will place an additional mitigation measure on the proposed project to aid in the reduction of construction related water quality impacts.

The following mitigation measure will be added to measures required within the Water Quality section of Negative Declaration No. 88-30:

Should there be any proposed discharges of wastes from construction activities, including dredging, to land or surface waters of the State, the proponent will need to file a Report of Waste Discharge with the California Regional Water Quality Control Board.

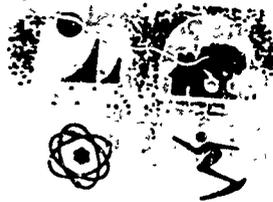
Once again, thank you for your concern. Please contact me with any additional questions or comments (714/536-5271).

Sincerely


Kelly Main
Assistant Planner

CALENDAR PAGE	74
MINUTE PAGE	1719

(2324d)



City of Huntington Beach

2000 MAIN STREET

CALIFORNIA 92648

DEPARTMENT OF COMMUNITY DEVELOPMENT

Building Division 536-5241

Housing/Redevelopment Division 536-5542

Planning Division 536-5271

March 30, 1989

Ms. Kari Rigoni
Senior Planner
County of Orange
Environmental Management Agency
12 Civic Center Plaza
Santa Ana, CA 92702-4048

**SUBJECT: NEGATIVE DECLARATION NO. 88-30
PORTOFINO COVE BOAT SLIPS**

Dear Ms. Rigoni:

Thank you for your response of March 21, 1989, to Negative Declaration No. 88-30. The Draft Negative Declaration is an assessment of the impacts from the proposed construction of 49 boat slips in the Main Harbour Channel and Bolsa Chica Flood Control Channel in Huntington Beach. We have reviewed your letter and have the following comments:

Orange County Comment:

It is unclear from the documents what impact, if any, there will be on the OCFCD's Bolsa Chica Channel. Some of the wording seems to suggest that some of the boat slips will be within the OCFCD's Channel.

Response:

Thirty two boat slips will be located in the Bolsa Chica Flood Channel. Please see Project Description section of Draft Negative Declaration No. 88-30. It states that "32 slips will be located on the eastern side of the Bolsa Chica Channel, adjacent to the Portofino Cove Condominiums property." The Bolsa Chica Channel slips are also mapped on the Sectional Map of Huntington Beach (3rd map) within the Negative Declaration.

In response to Orange County's comment, the City will insert an 8 1/2x11 version of the applicant's project plans into the Negative Declaration to further clarify the location and number of boat slips placed in the Flood Channel.

CALENDAR PAGE	75
MINUTE PAGE	1720

30.3

All impacts discussed within Negative Declaration No. 88-30 apply to the proposed slips in both the Huntington Harbour Main Channel and OCFCD's Bolsa Chica Channel, with the exception of impacts upon eelgrass and the safety impacts which might result from the mitigation proposed to protect the eelgrass. Eelgrass is not located in the Bolsa Chica Channel, and, therefore, a discussion of the impacts upon eelgrass does not apply to the boat slips located in the channel.

O.C. Comment:

The material submitted is silent on the matter of rights for use of OCFCD property and impact, if any, on the OCFCD Channel.

Response:

In response to this comment, the City of Huntington Beach wishes to add a discussion of impacts upon "land use". This response will be added to the Discussion of Environmental Evaluation, Negative Declaration No. 88-30 which follows the Environmental Checklist. The following section is to be included on page 4 of the "Discussion", following the section on Light and Glare:

Land Use

The proposed boat slips will be located on property owned by the State of California, State Lands Commission. The applicant has leased the property from the State of California. The County of Orange also leases the channels from the State of California solely for the purpose of dredging to maintain navigability. The applicant will maintain the area leased for the proposed boat slips, including completing any dredging that is required.

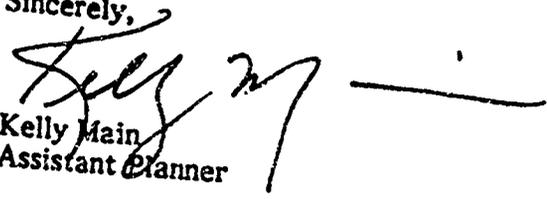
With the following mitigation, no significant impacts to land use are anticipated to result from the project.

Mitigation

1. The applicant shall be required to maintain the area used for the 49 Portofino Cove Boat Slips, including completing any dredging required by Orange County or the appropriate regulatory agencies. The cost for this dredging shall be incurred by the applicant.
2. The applicant shall be required to receive approval for the boat slips from the appropriate regulatory agencies, including U.S. Fish and Wildlife, California Department of Fish and Game, Coastal Commission and State Lands Commission, prior to any construction of the slips or any maintenance work requiring permits thereafter.

Once again, thank you for your comments. Please contact me with any further questions you may have (714/536-5271).

Sincerely,


Kelly Main
Assistant Planner

KM:lb

CALENDAR PAGE	76
MINUTE PAGE	1721

(2339d)

3c-4



City of Huntington Beach

2000 MAIN STREET

CALIFORNIA 92648

DEPARTMENT OF COMMUNITY DEVELOPMENT

Building Division 536-5241
Housing/Redevelopment Division 536-5542
Planning Division 536-5271

March 30, 1989

Captain S.T. Holl
Department of the Navy
Naval Weapons Station
Seal Beach, CA. 90740

**SUBJECT: NEGATIVE DECLARATION NO. 88-30
PORTOFINO COVE BOAT SLIPS**

Dear Captain Holl:

Thank you for your letter dated March 14, 1989, responding to Negative Declaration No. 88-30. After considering your comments, the City has the following responses:

Department of the Navy Comment:

A situation that is of major concern to the Naval Weapons Station is the boating traffic through Anaheim Bay. The increase in boating traffic from the project was discussed in the Negative Declaration. The Negative Declaration considered the increase in boating traffic to be insignificant with no significant adverse impacts anticipated. What was not discussed was the cumulative impacts from this and other projects. To date, the Weapons Station is aware of three other projects that propose to construct boat slips. It is requested that the cumulative impacts be addressed in the Negative Declaration and mitigation measures be identified.

Response:

After receiving further clarification on the three projects to which the Navy is referring in it's letter of March 14, the following paragraphs shall be added to the Discussion of Environmental Evaluation, Negative Declaration No. 88-30, Transportation section, 13d, e:

Two additional projects, either currently being considered or recently approved, are proposed for Huntington Harbour. They are:

1. Sunset Aquatic Regional Park General Development Plan - Among other requests Orange County is proposing to add 65 boat slips to the Bolsa Chica Flood Control Channel by increasing through design the existing 276 slips to 341 slips.

CALENDAR PAGE	77
MINUTE PAGE	1722

3c-5

2. **Huntington Harbour Bay Club - 23 additional slips approved by the Coastal Commission in 1988. These would be located near the Club which is adjacent to Warner Avenue.**

According to the Orange County Assessor's Office, Marine Division, Huntington Harbour has approximately 3,737 boat slips, either private or public. The proposed Portofino Cove boat slips represent an increase of 1.3% in the existing number of boat slips estimated for Huntington Harbour. This is not considered a significant increase and the project specific impacts to traffic would not be considered significant.

It is possible, given past, present and reasonably foreseeable future projects, that approximately 137 boat slips could be added to the Harbour. This represents an increase of 3.7% to the existing number of boat slips in Huntington Harbour. Again, a 3.7% increase in the number of boat slips is not considered significant and cumulative impacts upon traffic would not be considered significant, as well.

Give the County of Orange's commitment to maintaining a 150 foot wide navigable channel in the Bolsa Chica Flood Channel and the dredging which the County has completed toward that maintenance, no project-specific or cumulative traffic impacts we expected to be experienced with construction of the proposed Portofino Cove boat slips. (Please see letter from Harbor Master, dated December 1, 1988, in Negative Declaration No. 88-30 regarding safety and navigation.)

Department of the Navy Comment:

Another area that is of concern is the water quality in Anaheim Bay and the impacts to the National Wildlife Refuge. The water quality was addressed in the Negative Declaration but only as impacted by construction. What was not discussed was the impact on water quality that will result from the presence of boats. The potential for an oil/gas/ sewage spill/discharge and mitigation measures should be addressed. The discussion on water quality should also consider the cumulative effect from other projects.

Response:

The following paragraphs shall be added to the Discussion of Environmental Evaluation, Negative Declaration No. 88-30, Water Quality section, 3e:

The waters surrounding the Portofino Cove area are characterized by heavy boating activities and limited tidal flushing. These bays and channels are fed primarily via precipitation, surface runoff and flows from the Bolsa Chica Flood Control Channel which carries runoff from approximately 22,000 acres of residential and agricultural land.¹

County of Orange water quality analysis in the area of the proposed boat slips reveals the fluctuations in dissolved oxygen, salinity, nutrient levels and turbidity typical for small craft harbors. The major sources of pollutants significant to the area are:²

1. Storm drainage (residential/agricultural runoff and sedimentation)
2. Surface runoff (oil and grease)
3. Boating activities
4. Floating refuse

1-2 Source: Environmental Impact Report for Sunset Aquatic Regional Park General Development Plan, EIR 478, June 1988, pgs. 4-8 through 4-9.

Boating activities, while not the primary source of the major pollutants in the Harbour, contribute to water degradation. These activities impact water quality through the following four sources:

1. Anti-Fouling Paint - The use of antifouling paint on the bottoms of boats has been implicated as a major source of heavy metals in waters and sediments near docks and marinas. Antifouling paints, which contain copper, lead, zinc, or mercury, are used to prevent growth of marine organisms which can greatly increase drag on the bottom of the boat. These paints are designed to constantly leach toxic metals into the water to kill organisms that may attach to the bottoms of boats. Unfortunately, these metals continually build up in the water and in the sediments. Also, when boat bottoms are scraped each year in preparation for repainting, some of the scraped material may make its way into the sediments.³
2. Oil/Gas - Surface runoff from adjacent City streets is the major contributor to the oil/gas residue found in the Huntington Harbour Channels. Oil/Gas use related to boating activities does also contribute to water quality degradation, however. The presence of oil and grease on the surface of the waters in Huntington Harbour impacts the quality of the water and ultimately the marine organisms which depend on this environment to survive.⁴
3. Floating Refuse - Marina development and increased public access to the water will be accompanied by added litter production. The presence of floating foreign objects is not only an aesthetic eyesore, but the decomposition of some materials over time contributes to the degradation of the water quality.⁵
4. Sewage Disposal/Coliform Bacteria - Coliform levels generally rise when the presence of sewage increases. The coliform group of bacteria is an indicator of the presence of pathogens. A major advantage of the coliform group is that they are found in large numbers in contaminated waters, making them easier to enumerate than sparsely populated pathogens.

Unfortunately, not all members of the coliform group are of human intestinal origin. *Escherichia coli* is characteristically the inhabitant of the intestines of humans and warm-blooded animals, but other members of the coliform group, such as *Aerobacter aerogenes*, are frequently found on vegetation and in soil. Their presence would not necessarily indicate fecal contamination.

Aside from an unknown amount of bacteria brought in by the flood control channel, the main source in the channel waters is the illegal discharge of waste from holding tanks on the boats.

Excessive coliform bacteria not only impacts the water quality from a marine environment standpoint, but also creates potential health hazards, which results in excluding human contact, such as swimming. Increased boat slips will increase the risk of illegal discharging of waste.⁶

Portofino Cove's project-specific contribution (1.3%) and the potential cumulative contribution (3.7%) to the total number of boat slips in Huntington Harbour is minor, and significant impacts to water quality are not anticipated. While impacts may be insignificant relative to the existing water quality impacts experienced in the channels, it is important to reduce the impacts resulting from the project as much as possible. The following measures are provided to reduce project-specific and cumulative impacts from the project:

- 3-6 Source: Environmental Impact Report for Sunset Aquatic Park, pgs. 4-9 through 4-10.

(2342d)

CALENDAR PAGE	79
MINUTE PAGE	1724

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Boating activities, while not the primary source of the major pollutants in the Harbour, contribute to water degradation. These activities impact water quality through the following four sources:

Mitigation

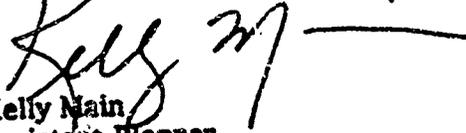
The applicant shall:

1. Provide appropriate trash containers on each dock to encourage their use for the collection of litter/refuse.
2. Strongly encourage owners to comply with local ordinances against illegal discharge of holding tanks. Continue to encourage the use of pump-a-head facilities.
3. Require owners to remove their boats from the water for bottom cleaning so that the escaped material does not settle and accumulate in the waterways.

Once again, thank you for your concern regarding development in Huntington Harbour. Project-specific and cumulative water quality and traffic impacts anticipated to result from construction of the proposed Portofino Cove boat slips are not considered significant. Nevertheless, it is important to reduce impacts whenever feasible.

Please contact me with any further comments or questions (714/536-5271).

Sincerely,



Kelly Main
Assistant Planner

KM:lb

NEGATIVE DECLARATION NUMBER 88-30

ERRATA SHEET

- I. To assure that no additional parking problem is created by construction of the proposed boat slips, the following mitigation shall be added to the Transportation section, Discussion of Environmental Evaluation, Negative Declaration No. 88-30:

The applicant shall record with the County Recorder a covenant to ensure that the 49 private boat slips will not be rented or sold separately from the associated residences. Said covenant shall be approved as to content by the Department of Community Development and as to form by the City Attorney's Office. A copy of the recorded document shall be filed with the Department of Community Development.

The following additions to Negative Declaration No. 88-30 were made in response to comments received during the document's review period:

- II. The following mitigation measure shall be added to those within the Water Quality discussion in Negative Declaration No. 88-30 to further reduce impacts to water quality during construction of the proposed boat slips to a level of insignificance.

Should there be any proposed discharges of wastes from construction activities, including dredging, to land or surface water of the State, the proponent will need to file a Report of Waste Discharge with the California Regional Water Quality Control Board.

- III. To clarify the "no" answer given in the Negative Declaration's Environmental Checklist under the subject "Land Use," a response will be added to the Discussion of Environmental Evaluation, Negative Declaration No. 88-30 which follows the Environmental Checklist. The following Section is to be included on page 4 of the "Discussion" following the Section on Light and Glare:

Land Use

The proposed boat slips will be located in property owned by the State of California, State Lands Commission. The applicant has leased the property from the State of California. The County of Orange also leases the channels from the State of California, solely for the purpose of dredging to maintain navigability. The applicant will maintain the area leased for the proposed boat slips, including completing any dredging that is required.

With the following mitigation, no significant impacts to land use are anticipated to result from the project.

Mitigation

1. The applicant shall be required to maintain the area used for the 49 Portofino Cove Boat slips, including completing any dredging required by Orange County or the appropriate regulatory agencies. The cost for this dredging shall be incurred by the applicant.

2. The applicant shall be required to receive approval for the boat slips from the appropriate regulatory agencies including U.S. Fish and Game, Coastal Commission and State Lands Commission, prior to any construction of the slips or any maintenance work requiring permits thereafter.

IV. The following paragraphs shall be added to the Discussion of Environmental Evaluation, Negative Declaration No. 88-30, Transportation section, 13d, e:

Two additional projects, either currently being considered or recently approved, are proposed for Huntington Harbour. They are:

1. Sunset Aquatic Regional Park General Development Plan - Among other requests Orange County is proposing to add 65 boat slips to the Bolsa Chica Flood Control Channel by increasing through design the existing 276 slips to 341 slips.
2. Huntington Harbour Bay Club - 23 additional slips approved by the Coastal Commission in 1988. These would be located near the Club which is adjacent to Warner Avenue.

According to the Orange County Assessor's Office, Marine Division, Huntington Harbour has approximately 3,737 boat slips, either private or public. The proposed Portofino Cove boat slips represent an increase of 1.3% in the existing number of boat slips estimated for Huntington Harbour. This is not considered a significant increase and the project specific impacts to traffic would not be considered significant.

It is possible, given past, present and reasonably foreseeable future projects, that approximately 137 boat slips could be added to the Harbour. This represents an increase of 3.7% to the existing number of boat slips in Huntington Harbour. Again, a 3.7% increase in the number of boat slips is not considered significant and cumulative impacts upon traffic would not be considered significant, as well.

Give the County of Orange's commitment to maintaining a 150 foot wide navigable channel in the Bolsa Chica Flood Channel and the dredging which the County has completed toward that maintenance, no project-specific or cumulative traffic impacts we expected to be experienced with construction of the proposed Portofino Cove boat slips. (Please see letter from Harbor Master, dated December 1, 1988, in Negative Declaration No. 88-30 regarding safety and navigation.)

V. The following paragraphs shall be added to the Discussion of Environmental Evaluation, Negative Declaration No. 88-30, Water Quality section, 3e:

The waters surrounding the Portofino Cove area are characterized by heavy boating activities and limited tidal flushing. These bays and channels are fed primarily via precipitation, surface runoff and flows from the Bolsa Chica Flood Control Channel which carries runoff from approximately 22,000 acres of residential and agricultural land.

County of Orange water quality analysis in the area of the proposed boat slips reveals the fluctuations in dissolved oxygen, salinity, nutrient levels and turbidity typical for small craft harbors. The major sources of pollutants significant to the area are:

- Storm drainage (residential/agricultural runoff and sedimentation)
- Surface runoff (oil and grease)
- Boating activities
- Floating refuse

Boating activities, while not the primary source of the major pollutants in the Harbour, contribute to water degradation. These activities impact water quality through the following four sources:

1. Anti-Fouling Paint - The use of antifouling paint on the bottoms of boats has been implicated as a major source of heavy metals in waters and sediments near docks and marinas. Antifouling paints, which contain copper, lead, zinc, or mercury, are used to prevent growth of marine organisms which can greatly increase drag on the bottom of the boat. These paints are designed to constantly leach toxic metals into the water to kill organisms that may attach to the bottoms of boats. Unfortunately, these metals continually build up in the water and in the sediments. Also, when boat bottoms are scraped each year in preparation for repainting, some of the scraped material may make it's way into the sediments.
2. Oil/Gas - Surface runoff from adjacent City streets is the major contributor to the oil/gas residue found in the Huntington Harbour Channels. Oil/Gas use related to boating activities does also contribute to water quality degradation, however. The presence of oil and grease on the surface of the waters in Huntington Harbour impacts the quality of the water and ultimately the marine organisms which depend on this environment to survive.
3. Floating Refuse - Marina development and increased public access to the water will be accompanied by added litter production. The presence of floating foreign objects is not only an aesthetic eyesore, but the decomposition of some materials over time contributes to the degradation of the water quality.
4. Sewage Disposal/Coliform Bacteria - Coliform levels generally rise when the presence of sewage increases. The coliform group of bacteria is an indicator of the presence of pathogens. A major advantage of the coliform group is that they are found in large numbers in contaminated waters, making them easier to enumerate than sparsely populated pathogens.

Unfortunately, not all members of the coliform group are of human intestinal origin. *Escherichia coli* is characteristically the inhabitant of the intestines of humans and warm-blooded animals, but other members of the coliform group, such as *Aerobacter aerogenes*, are frequently found on vegetation and in soil. Their presence would not necessarily indicate fecal contamination.

Aside from an unknown amount of bacteria brought in by the flood control channel, the main source in the channel waters is the illegal discharge of waste from holding tanks on the boats.

Excessive coliform bacteria not only impacts the water quality from a marine environment standpoint, but also creates potential health hazards, which results in excluding human contact, such as swimming. Increased boat slips will increase the risk of illegal discharging of waste.

Portofino Cove's project-specific contribution (1.3%) and the potential cumulative contribution (3.7%) to the total number of boat slips in Huntington Harbour is minor, and significant impacts to water quality are not anticipated. While impacts may be insignificant relative to the existing water quality impacts experienced in the channels, it is important to reduce the impacts resulting from the project as much as possible. The following measures are provided to reduce project-specific and cumulative impacts from the project:

Mitigation

The applicant shall:

1. Provide appropriate trash containers on each dock to encourage their use for the collection of litter/refuse.
2. Strongly encourage owners to comply with local ordinances against illegal discharge of holding tanks. Continue to encourage the use of pump-a-head facilities.
3. Require owners to remove their boats from the water for bottom cleaning so that the escaped material does not settle and accumulate in the waterways.

31.4

November 22, 1988

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Planning Director
City of Huntington Beach Planning Department
2000 Main Street
Huntington Beach, CA 92649

NOV 22 1988

DEPARTMENT OF
DEVELOPMENT

RE: Potential Boat Slips Portofino Cove
Condominium Association

Gentlemen:

It is my understanding that the Portofino Cove Condominium Association has pending with the Huntington Beach Planning Department an application for construction of approximately 49 boat slips on both the main channel and Bolsa Chica channel adjacent to the Portofino Cove project built by Mola Development in Huntington Beach.

It was my understanding that originally the area west of my end slip at the Mola Patio Homes Association was to be vacant to the extreme point west of the condominiums at the point and the major boat slip construction would be accomplished in the Bolsa Chica channel. I now find that the condominium residents are amending their plan so as to bring the boat slips from the point of the Bolsa Chica and main channel easterly to within four feet of my slip and stand off from the bulkhead approximately 25 feet to protect the Eel Grass.

It is my understanding that this approach simply will not work and that the protected species of Eel Grass is bound and determined to expire under those circumstances. Additionally, this modification to the plan will cause what I believe to be an extreme hazard to the navigation as well as a very difficult situation for the present fourteen owners of the existing fourteen slips to dock in periods of changing wind conditions. If the new slips stand off from the bulkhead 25 feet and then extend out an additional 45 feet, that means the only approach into our slips will be from the east. This will not only cause tremendous inconvenience, potential loss of property, but hazard to life and limb as well. Additionally, traffic coming down the right side of the channel at night will not expect such a disparity in boat slips in one location and could run the serious risk of running head on into slips standing out an additional 25 feet or more from the present positioning of the existing 14 boat slips.

I would ask that a full hearing be held on this matter and that a negative declaration not be issued under these circumstances.

CALENDAR PAGE	85
MINUTE PAGE	1730

ATTACHMENT #4

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Additionally, parking at the parking lot for the Portofino project simply will not be able to accommodate the additional overflow of vehicles which presently overburdened due to the excessive use of Seabridge Park.

Very truly yours,



Revelle Clark, Jr.

cc: Environmental Management Agency
12 Civic Center Plaza, P. O. Box 4048, Santa Ana, CA
92702-4048

CALENDAR PAGE	86
MINUTE PAGE	1731

ATTACH #4

STATEMENT OF THE ACTION OF THE CITY COUNCIL

Council Chamber, City Hall
Huntington Beach, California
Monday, May 15, 1989

Mayor Bannister called the regular City Council and Redevelopment Agency meetings of the City of Huntington Beach to order at 7 p.m.

ROLL CALL

Present: MacAllister, Green, Minchell, Bannister, Mays, Silva, Erskine
Absent: None

APPEAL FILED BY BOB MACULSAY/JOHN DELAVA OF PLANNING COMMISSION DENIAL OF
CONDITIONAL USE PERMIT 88-53 NEGATIVE DECLARATION 88-30 (Request for Private
Boat Slips) - APPEAL GRANTED WITH CONDITIONS

The Mayor announced that this was the day and hour set for a public hearing to consider the following.

APPLICANT/APPELLANT: Bob Maculsay and John Delava

LOCATION: 16291 Countess Drive (along existing bulkheads facing Main Channel and Bolsa Chica Channel).

PROPOSAL: Appeal of Planning Commission's denial of a request to construct 48 private boat slips along existing bulkheads facing Main Channel and Bolsa Chica Channel for use by residents of Portofino Cove Condominiums.

ZONE: HR-CZ-FP2 (Waterways Recreation-Coastal Zone-Floodplain)

ENVIRONMENTAL STATUS: The proposal is covered by Negative Declaration No. 88-30, which the Council will also consider.

COASTAL STATUS: This project is within the original jurisdiction of the Coastal Commission. Coastal Commission approval will be required.

The City Clerk announced that all legal requirements for notification, publication and posting had been met, and that she had received no communications or written protests to the matter.

The Director of Community Development presented a staff report.

The Mayor declared the hearing open.

Andrew Czorny, President of Homeowner's Association Portofino Cove Condominiums, urged Council to support the staff recommendation so that private condominium owners could have private boat slips.

Robert Maculsay spoke regarding the dredging responsibility. The Homeowner's Association has agreed to maintaining the depth under the slips which would be monitored by the County of Orange.

Robert Green stated Condition 3E regarding liability and responsibility (maintenance) being assumed by the Homeowner's Association should be deleted.

Joan Eisner spoke in support of the proposed boat slips.

Jack McCorkle spoke in support of having boat slips for an easy access to the ocean.

John Delava requested those people in support of the proposed boat slips to rise from their seats. He spoke regarding the design of the positioning of the boat slips being safe and not a hazard. He stated it would not cause increased traffic. He explained that the slip would accommodate a 46' boat.

Jody Sabbagh spoke in opposition of the proposed boat slips. She was concerned about the safety factor and about protection of the eel grass.

Leigh Breeze spoke in support of the boat slip project and stated there was no parking problem in the lot.

Mark Malley stated he had no objections.

There being no one present to speak further on the matter and there being no protests filed, either oral or written, the hearing was closed by the Mayor.

A motion was made by Mays, seconded by Bannister, to overturn the Planning Commission decision, grant the appeal and approve Negative Declaration No. 88-30 and Conditional Use Permit 88-53 based on findings of fact and conditions of approval as outlined in Exhibit "A" of the RCA dated May 15, 1989 and to include Resolution 3657 of Council which stipulated that the access way around the condominium association would not be public.

The Community Development Director stated that Condition No. 1 which states the site shall be developed and by March 23, 1989, shall be amended to reflect conditions: ~~the number 48 or 49 appears throughout the~~ No. 7 would read, "No vessels or debris shall be located, placed or permitted to remain in the area between the bulkhead and dock facing Main Channel and an appropriate barrier installed. Boats shall dock in approved slips only.

An amendment to the main motion was made by Erskine, seconded by MacAllister, to remove seven slips that protrude the most (start on east end and go towards west on the diagonal).

Robert Maculsay stated that forty-seven people had contributed to funding this project and that seven slips could not be eliminated.

Councilwoman Winchell questioned the number of boat slips that were mentioned in the amendment to the main motion. Councilman Erskine clarified the number of boat slips he requested be removed was eight.

A motion was made by Winchell, seconded by Bannister, to include a Condition No. 9f that would state should the Department of Fish and Game determine that the eelgrass is no longer viable, or should the eelgrass die, the Homeowner's Association, shall, within one year of such determination, relocate the boat slips facing the main channel so that they directly abut the bulkhead.

The amendment to the main motion made by Erskine, seconded by MacAllister, to remove eight slips that protrude the most from the proposed plan failed by the following roll call vote:

AYES: MacAllister, Winchell, Erskine
NOES: Green, Bannister, Mays, Silva
ABSENT: None

The amendment to the main motion made by Winchell, seconded by Bannister, to include a Condition No. 9f that would state should the Department of Fish and Game determine that the eelgrass is no longer viable, or should the eelgrass die, the Homeowner's Association, shall, within one year of such determination, relocate the boat slips facing the main channel so that they directly abut the bulkhead carried by the following roll call vote:

AYES: MacAllister, Green, Winchell, Bannister, Mays, Silva
NOES: Erskine
ABSENT: None

The main motion made by Mays, seconded by Bannister, as amended, to overturn the Planning Commission decision, grant the appeal and approve Negative Declaration No. 88-30 and Conditional Use Permit 88-53 based on findings of fact and conditions of approval as outlined with modifications as stated by the Community Development Director in Exhibit "A" of the RCA dated May 15, 1989 and to include Resolution 5657 of Council which stipulated that the access way around the condominium association would not be public, and to include a Condition No. 9f that would state, "Should the Department of Fish and Game determine that the eelgrass is no longer viable, or should the eelgrass die, the Homeowner's Association, shall, within one year of such determination, relocate the boat slips facing the main channel so that they directly abut the bulkhead." The findings and conditions were as follows:

Findings for Approval:

1. The location, site layout and design of the proposed 47 private boat slips are properly adapted to other adjacent boat slips and uses in a safe and harmonious manner.
2. The design and layout of the boat slips serves to protect an existing eel grass bed.
3. The access to and parking for the proposed boat slips does not create an undue traffic problem, because the slips are for residents of Portofino Cove Condominiums only.

Conditions of Approval:

1. The site plan received and dated March 23, 1989, shall be the conceptually approved layout.

2. Prior to submittal for a Harbor Permit, (issued by Department of Public Works), the applicant/owner shall complete the following:

a. Where outdoor lighting is proposed, high-pressure sodium vapor lamps or similar energy savings lamps shall be used. All outside lighting shall be directed to prevent "spillage" onto adjacent properties and shall be noted on the site plan and elevations. Lighting shall be required along the northeast end of the docks and shall be in keeping with lighting found on other similar docks in the Harbour area.

b. The site plan (or reference page) shall include all conditions of approval imposed on the project printed verbatim.

3. Prior to issuance of Harbor permit, the applicant/owner shall complete the following (in addition to standard submittal requirements for a Harbor Permit):

a. Submit evidence of Coastal Commission approval of the project.

b. Submit evidence that pierhead lines along the Main Channel and Bolsa Chica Channel have been adjusted per Department of Public Works requirements and approved.

c. The applicant shall provide the Regional Water Quality Control Board with written assurances that no wastes will be discharged to surface waters from vessels moored at the docks. A copy of said document shall be submitted to the Department of Community Development.

d. The applicant/property owner(s) shall amend the Home Owner's Association Covenants, Conditions and Restrictions to ensure that the 47 private boat slips shall always be held in common with the associated residences, not rented or sold separately. Also, it shall address Conditions No. 3c, 7 and 9 included herein. Such document shall be submitted to and approved by the City Attorney's Office and Department of Community Development. The document shall be recorded with the County Recorder's Office and a copy filed with the Department of Community Development.

4. Fire Department requirements are as follows:

a. A plan shall be submitted to the Fire Department depicting:

- (1) Dock layout
- (2) Location of wet standpipe outlets with all pipe schedules and hydraulic calculations.
- (3) Location of fire extinguisher cabinets.

b. A wet standpipe system shall be provided which:

- (1) Delivers 250 gallons per minute at 50 psi residual.
- (2) 2-1/2 NST with approved gate valve.
- (3) Has outlets spaced at 200 foot intervals in approved locations.
- (4) Has a Fire Department connection within 5 feet of the nearest fire lane.

Portable fire extinguishers shall be provided in cabinets and labeled - one 4A 40-B:C for every 150 feet of dock.

5. The development shall comply with all applicable provisions of the Ordinance Code, Building Division, and Fire Department.
6. All building spoils, such as unusable lumber, wire, pipe, and other surplus or unusable material, shall be disposed of at an off-site facility equipped to handle them.
7. No vessels or debris shall be located, placed or permitted to remain in the area between the bulkhead and dock facing Main Channel and an appropriate barrier shall be installed. Boats shall dock in approved slips only.
8. Construction shall be limited to Monday through Saturday, from 7:00 AM to 8:00 PM, and prohibited on Sundays and Federal holidays. Construction shall be avoided to the maximum extent feasible from April to mid-September, particularly on mid-summer weekends.
9. The identified 4,770 square feet of eelgrass shall be monitored after construction of the proposed boat slips for a two-year period at four-month intervals. Any of the eelgrass lost shall require the implementation of a transplant program. This program shall have the following requirements:
 - a. An amount of eelgrass equal to that lost must be successfully transplanted.
 - b. Transplants within Huntington Harbour/Sunset Bay should receive highest priority.
 - c. If a natural area cannot be located, then an artificially created area will have to be constructed using suitable dredge spoils that would support eelgrass at proper depths.

An artificially created habitat is being prepared in Sunset Bay for the County of Orange Maintenance Dredging Program Eelgrass Mitigation Project. The Association might consider seeking approval to dove tail any transplant for their project with the County's project in Sunset Bay, provided that the habitat is conducive to eelgrass growth and adequate habitat is available.

- d. If suitable habitat cannot be found within Huntington Harbour, then another area in another bay or harbor can be proposed.
- e. This transplantation, if necessary, must meet with the approval of the National Fisheries Service (NMFS), the U.S. Fish and Wildlife Service (USFWS), the California Department of Fish and Game (CDF&G), the Army Corps of Engineers, and the City of Huntington Beach.
- f. Should the Department of Fish and Game determine that the eelgrass is no longer viable, or should the eelgrass die, the Homeowner's Association, shall, within one year of such determination, relocate the boat slips facing the main channel so that they directly abut the bulkhead.

10. The applicant shall: Provide appropriate trash containers on each dock to encourage their use for the collection of litter/refuse.

Strongly encourage owners to comply with local ordinances against illegal discharge of holding tanks. Continue to encourage the use of pump-a-head facilities.

Require owners to remove their boats from the water for bottom cleaning so that the escaped material does not settle and accumulate in the waterways.

11. The applicant shall be required to maintain the area used for the 48 Portofino Cove Boat Slips, including completing any dredging required by Orange County or the appropriate regulatory agencies. The cost for this dredging shall be incurred by the applicant.

12. The applicant shall be required to receive approval for the boat slips from the appropriate regulatory agencies, including U.S. Fish and Wildlife, California Department of Fish and Game, Coastal Commission and State Lands Commission, prior to any construction of the slips or any maintenance work requiring permits thereafter.

13. Conditional Use Permit No. 88-53 shall become null and void unless exercised within one (1) year of the date of final approval by the California Coastal Commission, or such extension of time as may be granted by the Planning Commission pursuant to a written request submitted to the Planning Department a minimum 30 days prior to the expiration date.

AYES: Green, Minchell, Bannister, Mays, Silva
NOES: MacAllister, Erskine
ABSENT: None

Mayor Bannister adjourned the regular meeting of the City Council and the regular meeting of the Redevelopment Agency of the City of Huntington Beach to 5:00 p.m., Monday, May 22, 1989, to Council Chambers, Civic Center.

ATTEST:

Connie Brockway
City Clerk and ex-officio Clerk
of the City Council of the City
of Huntington Beach, California

Connie Brockway
City Clerk

STATE OF CALIFORNIA
County of Orange
City of Huntington Beach

Hes Bannister
Mayor

CALENDAR PAGE 93
INDEX PAGE 1738

I, **CONNIE BROCKWAY**, the duly elected and qualified City Clerk of the City of Huntington Beach, California, do hereby certify that the above and foregoing is a true and correct Statement of Action of the City Council of said City at their regular meeting held on the 15th day of May 1989.

WITNESS my hand and seal of the said City of Huntington Beach this the 31st day of May 1989.

Connie Brockway
City Clerk and ex-officio Clerk
of the City Council of the City
of Huntington Beach, California

Christian Allen
Deputy