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CRESCENT CITY  
CALIFORNIA

INNER HARBOR BASIN  
AND ENTRANCE CHANNEL

FINAL  
SUPPLEMENTAL  
ENVIRONMENTAL IMPACT STATEMENT

U. S. ARMY CORPS  
OF ENGINEERS

SAN FRANCISCO DISTRICT

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DECEMBER 1981

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DEPARTMENT OF THE ARMY  
SAN FRANCISCO DISTRICT, CORPS OF ENGINEERS  
211 MAIN STREET  
SAN FRANCISCO, CALIFORNIA 94105

SPNED-E

FINAL SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT  
CRESCENT CITY, CALIFORNIA  
INNER HARBOR BASIN AND ENTRANCE CHANNEL

25 JAN 1982

TO WHOM IT CONCERNS:

ERRATA SHEET

This errata sheet and attached Appendix F (Public Comments and Responses) are to be filed along with the Draft Supplemental Environmental Impact Statement (SEIS), dated September 1981, to finalize the SEIS for the Crescent City California, Inner Harbor Basin and Entrance Channel. The errata sheet and Appendix F are provided in accordance with paragraph 1503.4(c) of the Council on Environmental Quality Final Regulations for Implementation of Procedural Provision of the National Environmental Policy Act (NEPA), published in the 29 November 1978 Federal Register. The paragraph allows distribution of comments, responses and changes in the form of an errata sheet when comments on a draft environmental statement are minor and when responses to the comments are confined to factual corrections or explanations why comments do not warrant further agency response.

Comments received on the Draft SEIS for Crescent City California, Inner Harbor Basin and Entrance Channel, conform to the provisions of paragraph 1503.4(c) of the NEPA regulations; therefore this errata sheet and the attached Appendix F serve as the Final Supplemental Environmental Impact Statement for the proposed project.

The Final SEIS will consist of the following changes to the draft:

Cover Page

Change "DRAFT" to "FINAL".

Change "SEPTEMBER 1981" to "DECEMBER 1981".

Page EIS-1

At the top of the page, change "DRAFT" to "FINAL".

Page EIS-2

Add after:

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| NTIS GRA&I     | <input checked="" type="checkbox"/> |
| DTIC TAB       | <input type="checkbox"/>            |
| Unannounced    | <input type="checkbox"/>            |
| Justification  | <input type="checkbox"/>            |
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Expertise

Planning and  
Environmental Engineer

Experience

5 Years Project Manage-  
ment & Technical Reports  
U.S. Army Corps of  
Engineers

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Design and  
Civil Engineer

14 Years Project Manage-  
ment for Flood Control &  
Navigation, U.S. Army  
Corps of Engineers

Cline

2 Years Regional Econom-  
ic Navigation & Coastal  
Planning, U.S. Army  
Corps of Engineers



Page EIS-3 Paragraph b., line 4. Change "entrance" to "access".

Page EIS-4 Table 1 at the line beginning "National Environmental Protection Act", change "Both Plans in Partial Compliance - Draft Supplemental Stage" to "Both Plans in Full Compliance".

Page EIS-5 The last two sentences of paragraph c. (lines 14 to 16). Change to read as follows:  
"No material to be dredged will be sold for commercial purposes or removed from the lands in accordance with the provisions of California Statutes of 1963, Chapter 1510. In compliance with said statute, no permit from the State Lands Commission is required for this project."

Page EIS-8 Paragraph 1., line 12. Change "would be" to "are".

Page EIS-11 Paragraph 1., lines 1 and 4. Change "Entrance" to "Access".

Page EIS-13 Section No Action or Plan A, line 1. Change "entrance" to "access".

Page EIS-13 Section Plans Considered in Detail, lines 4 and 11. Change "entrance" to "access".

Page EIS-16 Paragraph 5, line 7. Change "pelegpods" to "pelecypods".

Page EIS-19 Paragraph 4, line 5. Change "hurber's" to "Thurber's".

Page EIS-20 Paragraph 3, line 2. Change "onshore" to "inshore".

Page EIS-21 Paragraph 5, lines 1 and 2. Change "417,000 yd<sup>3</sup>" to "416.8 yd<sup>2</sup>".

Page EIS-25 Section Endangered or Threatened Species, Plan B. In line 1 add "in or" after "found".

Page EIS-26 Section Local Government Finance, Plan B. Change "\$540,000" to "\$230,000".

Page A-18 Paragraph e(8), line 1. Change "shall cease" to "shall not occur".

Appendix F Attach Appendix F at the end of Appendix E.

This errata sheet Attach before page EIS-1 of the statement.

After the Final Supplemental EIS has been on file for 30 days, a Record of Decision will be prepared and signed at the level approving the action. In the event disposal site designation by Environmental Protection Agency (EPA) is not completed, the signing of the Record of Decision may be deferred until all public interest review requirements are completed and prior to initiation of the proposed action. The Record of Decision will be sent to the Director, Office of Federal Activities, EPA, with copies also provided to concerned agencies, organizations and members of the public known to have an interest in the project.

1 Inclosure  
As Stated

  
PAUL BASILWICH, JR.  
Colonel, CE  
District Engineer

APPENDIX F

PUBLIC COMMENTS AND RESPONSES  
TO THE  
DRAFT SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT

APPENDIX F  
PUBLIC COMMENTS AND RESPONSES  
TO THE  
DRAFT SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT

ENVIRONMENTAL PROTECTION AGENCY \*

Comment: The draft adequately sets forth the environmental impact of the proposed project or action as well as alternatives reasonably available to the project or action. EPA has no objection to the proposed action as described in the draft impact statement.

Response: None required.

Comment: Proposed dredge material complies with EPA Criteria pursuant to Section 102(a) of the Marine Protection, Research and Sanctuaries Act. The Marine Protection Branch is responsible for determining the adequacy of studies for ocean disposal site designation. When approved, the draft notification will be published in the Federal Register for public review.

Response: Comment noted. The Marine Protection Branch has been contacted for their determination of adequacy and draft notification.

DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE

Comment: Fish and Wildlife Service findings and recommendations are based on the absence of blasting.

Response: Blasting is not part of the recommended plan or any alternatives.

Comment: Six specific comments are listed.

Response: The six comments have been incorporated into the document by instructions on the errata sheet.

Comment: The Fish and Wildlife Service can continue to support the Corps of Engineers recommended plan contingent upon the use of conventional dredging methods other than blasting to construct this project, and the implementation of recommendations provided in their 28 May 1981 letter.

Response: Blasting is not part of the construction or maintenance operations and the three recommendations in the 28 May 1981 letter have been incorporated into the recommended plan.

STATE OF CALIFORNIA

Comment: On 2 November 1981 a verbal statement of "no objection" was provided.

Response: Noted. A follow-up letter was requested but is not yet available at the time of printing.

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\* The letters that contain these comments follow the narrative, pages F-3 through F-10.

CALIFORNIA COASTAL COMMISSION

Comment: The project was found consistent with the policies and objectives of the California Coastal Zone Management Program.

Response: None required.

STATE LANDS COMMISSION

Comment: Clarify Page EIS-5, Section C.

Response: The recommended wording is incorporated in the Final by instructions on the errata sheet.

SMITH RIVER ALLIANCE

Comment: Dredging and dumping from June through August would be unsatisfactory for the sportfishing community.

Response: The August 1 to November 1 construction and maintenance schedules were coordinated with the Department of the Interior, Fish and Wildlife Service, to minimize adverse impacts on biological resources in the area and to minimize disturbance to shore fishermen and fishing vessel traffic. (Refer to the Fish and Wildlife correspondence in Appendix C of the Supplemental Environmental Impact Statement). Dredging in the harbor entrance will be coordinated with the harbor master to minimize boat access problems for fishermen.

**STATE LANDS COMMISSION**

1807 13TH STREET  
SACRAMENTO, CALIFORNIA 95814  
(916) 445-7134



October 1, 1981

File: SD 80-01-20

Col. Paul Basilwich  
U.S. Army Corps of Engineers  
San Francisco District  
211 Main Street  
San Francisco, CA 94105

Dear Colonel Basilwich:

SUBJECT: Comments on Draft Supplemental Environmental Impact  
Statement for the Crescent City, California, Inner Harbor  
Basin and Entrance Channel, dated September 1981

The staff of the State Lands Commission has reviewed the above-mentioned document and comments as follows.

Page EIS-5, Section C - Clean Water Act, Section 404 (PL 95-217;  
91 Stat. 1600; 33 USC 1344 et seq.) states:

"No material to be dredged will be sold for commercial purposes  
in accordance with statutes of 1963, Chapter 1510, State Lands  
Commission. No permit from the State Lands Commission is  
required for this project."

This statement should be clarified by changing the language to read:

No material to be dredged will be sold for commercial purposes  
or removed from the lands in accordance with the provisions of  
California Statutes of 1963, Chapter 1510. In compliance with  
said statute, no permit from the State Lands Commission is  
required for this project.

Sincerely,

  
JUDY LUDLOW  
Land Agent

JL:ma

cc: Mr. Bob Clark, Harbor Master F-3  
Crescent City Harbor District  
P.O. Box 606  
Crescent City 95531





Box 1334 Crescent City CA 95531

Department of the Army  
Corps of Engineers  
San Francisco, CA 94105

October 27, 1961

TO WHOM IT MAY CONCERN:

Regarding: Dredging in the Inner Harbor Basin and Entrance Channel,  
Crescent City

We recognize the need for this work and in general have no problems with the project as described in the Supplemental Environmental Statement.

However, it would be unsatisfactory if dredging and dumping at the off-site site was scheduled during June through August. These are important months for the sportfishing community. Judging by the proposed dump-site and possible congestion in the harbor (with dredging), problems and conflicts may be anticipated if such work is scheduled at that time. You may want to consult with Jim Waldvogel, the Crescent City agent for the California U. Sea-Grant Program on this matter.

Sincerely,

Grant D. Werschull  
Executive Director

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permit fully legible reproduction

*"Dedicated to Long-term Resource Management"*

American Fisheries Society - Humboldt Chapter  
American League of Anglers  
Angler's Society  
Boat N' Blister  
California Committee of Two Million  
California Native Plant Society  
California Trout

California Wilderness Coalition  
Citizens Committee to Save Our Public Lands  
Defenders of Wildlife  
Federation of Fly Fishermen  
Friends of Del Norte  
Friends of the Earth  
Friends of the River

League of Women Voters of California  
Marine Conservation League  
Northwest Environmental Center  
Northwest Fishery  
Fishing and Conservation League  
Sports Club



UNITED STATES  
DEPARTMENT OF THE INTERIOR

OFFICE OF THE SECRETARY

PACIFIC SOUTHWEST REGION  
BOX 36098 • 450 GOLDEN GATE AVENUE  
SAN FRANCISCO, CALIFORNIA 94102  
(415) 556-8200

ER 81/1988

October 29, 1981

Colonel Paul Bazilwich, Jr.  
Corps of Engineers  
San Francisco District  
211 Main Street  
San Francisco, California 94105

Dear Colonel Bazilwich:

The Department of the Interior has reviewed the Draft Supplement to the Final Environmental Statement for Crescent City Inner Harbor Basin and Entrance Channel, Del Norte County, California and offer these comments for your consideration.

Fish and Wildlife Resources

The subject document adequately describes the proposed harbor and entrance channel deepening project in terms of project configuration. However, a section confirming the proposed method of construction should be included. The Fish and Wildlife Service's (FWS) findings and recommendations were based upon the Corps of Engineers concluding that blasting would not be required to construct the recommended plan or its alternative.

Specific Comments

Page EIS-16, para. 5, line 7. Pelegrons should be corrected to pelecypods.

Page EIS-19, para. 4, line 5. Hurber's reed grass should be corrected to Thurber's reed grass.

Page EIS-20, para. 3, line 2. Dungeness crabs move into the harbor area, i.e., inshore to molt and spawn. They do not move onshore.

Page EIS-21, para. 5, line 2. The areal extent of the intertidal area should be expressed in square yards (yd<sup>2</sup>) to be consistent with subsequent comparisons on page EIS-26.

Page EIS-25, para. 3, line 2. A description of the bounds of the study area should be included in this document. Based on the FWS's understanding of the extent of this area, the gray whale and California brown pelican, both endangered species, are found in not near it.

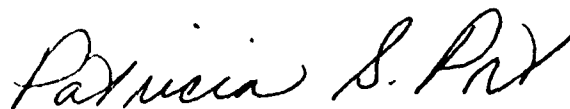
Page A-5, para. 5, and page A-18, item e(8). A description of the amount of time required for repopulation at the dredge and disposal sites should focus on both construction and maintenance activities, not just construction. The FWS has indicated that maintenance dredging should be done between August and early November to minimize potential adverse biological impacts.

#### Summary Comments

The FWS can continue to support the Corps of Engineers recommended plan contingent upon the use of conventional dredging methods other than blasting to construct this project, and the implementation of recommendations provided in FWS's May 28, 1981 Fish and Wildlife Coordination Act.

Thank you for the opportunity to review and comment on this draft supplement.

Sincerely,



Patricia Sanderson Port  
Regional Environmental Officer

cc: Director, OEPR (w/copy incoming)  
Director, Fish and Wildlife Service  
Director, National Park Service  
Director, Geological Survey  
Director, Bureau of Mines  
Director, Bureau of Land Management (202-B)  
Commissioner, Bureau of Reclamation  
Commissioner, Bureau of Indian Affairs  
Reg. Dir., FWS  
Reg. Dir., NPS  
Reg. Dir., GS  
Reg. Dir., BM  
Reg. Dir., RLM  
Reg. Dir., BR  
Reg. Dir., BIA



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE  
Southwest Region  
300 South Ferry Street  
Terminal Island, California 90731

November 4, 1981

F/SWR33:TGY

Colonel Paul Basilwich, Jr.  
District Engineer  
San Francisco District  
Corps of Engineers  
211 Main Street  
San Francisco, CA 94105

Dear Colonel Basilwich:

We have reviewed the Draft Supplemental Environmental Impact Statement for the Inner Harbor Basin and Entrance Channel at Crescent City, California, and favor the plan recommended by the Corps for dredging and disposal of dredged material (including the timing of these activities). As we stated in our letter of March 28, 1980 to James Wolfe of your staff, our primary concern with the proposed harbor improvements was the long-term blasting that was thought to be required. We were pleased to learn, therefore, that blasting will not be required.

In addition, we concur fully with the U.S. Fish and Wildlife Service's detailed report on the fish and wildlife resources associated with the project, and further agree that the impacts of the recommended plan will be minimal - particularly if dredging and dredge disposal activities are conducted between August and November.

Sincerely yours,

Alan W. Ford  
Regional Director

cc: USFWS, J. McKeivitt  
CDFG, D. Lollock



State of California, Edmund G. Brown Jr., Governor

California Coastal Commission  
631 Howard Street, 4th floor  
San Francisco, California 94105  
(415) 543-8555

November 13, 1981

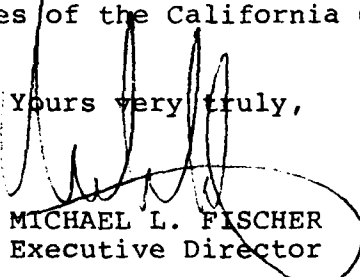
Jay K. Soper  
Department of the Army  
Corps of Engineers  
211 Main Street  
San Francisco, California 94105

Re: Determination No. CD-19-81

Dear Mr. Soper:

On November 4, 1981, by a vote of 9 in favor, 0 opposed, with majority votes needed for approval, the California Coastal Commission approved your project as proposed in the attached Staff Report and Recommendation on Consistency Determination. The State Commission found the project to be consistent to the maximum extent practicable with the policies and objectives of the California Coastal Zone Management Program.

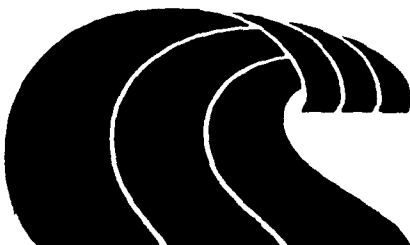
Yours very truly,

  
MICHAEL L. FISCHER  
Executive Director

MLF/jc

cc: Jody Zaitlin  
North Coast District

Enclosure





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

215 Fremont Street  
San Francisco, Ca. 94105

Project #DS-COE-K35006-CA

NOV 25 1981

Colonel Paul Bazilwich, Jr., CE  
Corps of Engineers, San Francisco District  
211 Main Street  
San Francisco, CA 94105

Dear Colonel Bazilwich:

The Environmental Protection Agency (EPA) has received and reviewed the Draft Supplemental Environmental Impact Statement (DS) titled CRESCENT CITY INNER HARBOR BASIN AND ENTRANCE CHANNEL.

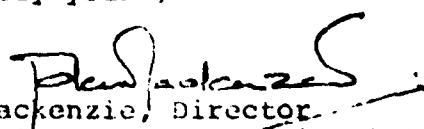
The EPA's comments on the DS have been classified as Category LO-1. Definitions of the categories are provided by the enclosure. The classification and the date of the EPA's comments will be published in the Federal Register in accordance with our responsibility to inform the public of our views on proposed Federal Actions under Section 309 of the Clean Air Act. Our procedure is to categorize our comments on both the environmental consequences of the proposed action and the adequacy of the environmental statement.

The "Technical Evaluation of Potential Environmental Impacts of the Proposed Ocean Disposal of Dredged Material," Appendix B demonstrates that the proposed dredged material complies with the EPA criteria (40 CFR Parts 220-229) promulgated pursuant to Section 102(a) of the Marine Protection, Research and Sanctuaries Act.

The Marine Protection Branch in EPA's Headquarters is responsible for determining the adequacy of these studies for ocean disposal site designation. When this approval is granted, the draft notification for site designation will be published in the Federal Register to solicit public comments.

If you have any questions regarding this matter, please contact Susan Sakaki, EIS Review Coordinator, at (415) 974-8137 or FTS 454-8137.

Cordially yours,

  
Jake Mackenzie, Director  
Surveillance and Analysis Division

Enclosure

cc: T.A. Wastler, Marine Protection Branch (WH-585)

CIRCULATION OF THE FINAL SUPPLEMENTAL EIS  
CRESCENT CITY, CALIFORNIA

4-2-82

EXPLANATORY NOTE

Since changes in the Draft Supplemental EIS, Crescent City, California, Inner Harbor Basin and Entrance Channel, are minor and are confined to factual corrections and comments not warranting further response, an Errata Sheet has been prepared instead of rewriting the Draft Supplemental EIS to reduce paper-work. In this case, only the comments, the responses and the changes and not the Final Supplemental EIS will be circulated in accordance with 1503.4(c) of the November 1978 Council on Environmental Quality Regulations implementing the procedural provisions of the National Environmental Policy Act.