Kawaihae Deep Draft Harbor Modifications Study

Public Scoping Meeting

November 13, 2003

Agenda

- Opening
  - Call to Order, Welcome, Opening Pule, Introduction of Speakers & Representatives
- Project Presentation
  - Purpose of Study, Purpose of Scoping Meeting, Project Background & Orientation, NEPA Environmental Impact Statement, Alternative Plans
- Public Comment
  - Q/A Session, Ground Rules for Comment Period, Comment Period, Closing Remarks and Pule

Study Partners

- U.S. Army Corps of Engineers, Honolulu District
- State of Hawai‘i, Department of Transportation, Harbors Division (DOT)
- Study Consultant:
  Group 70 International, Inc.

Need for Study

- Investigate need to accommodate deeper draft vessels (e.g. wood chips)
- Improve harbor operations (e.g. wave impacts)
- Partnership with Corps of Engineers

Source: R.M. Towill (25 May 2002)

Purpose of Scoping Meeting

- **Scoping Process for Environmental Impact Statement (EIS)**
  - Started with Notice of Intent (June 2, 2003)
  - Meetings with resources agencies
- **Introduce Study to the community**
- **Hear your concerns and significant issues**
- **Will help us define the scope of the EIS and the issues it should address**

Concerns and Significant Issues

- Issues to be addressed in EIS
- Comments & issues are taken seriously
- Record of meeting will be included in EIS

After the Meeting...

- Send comments via mail, fax, email
  - Comments due by December 13, 2003
- Improve EIS study and process
  - Reflect community concerns
  - Reduce chances of overlooking significant issues

Existing Project Background

- Constructed in 1962; expanded in 1973
- Reconnaissance Study (2001) supported feasibility level study to examine modifications to harbor
- Increased delays encountered in cargo operations
- Deepen harbor to allow for increased drafts
- Surge conditions with current alignment of harbor
- Recurring damage to facilities and moored vessels

Existing Project Background (continued)

- NEPA requires preparation of an Environmental Impact Statement (EIS) -- a major Federal action
- EIS will comply with National Environmental Policy Act (NEPA) and State requirements
- EIS Preparation Notice (EISPN) completed in August 2003
- EISPN comment period ended September 2003
- Scoping meeting part of NEPA requirements

Phase 1 Studies for Impact Analysis

- Economic study to examine benefits and costs
- Recreational resources study
- HTRW reconnaissance level assessment
- Dredged material disposal site selection

Source: Group 70 International, Inc.

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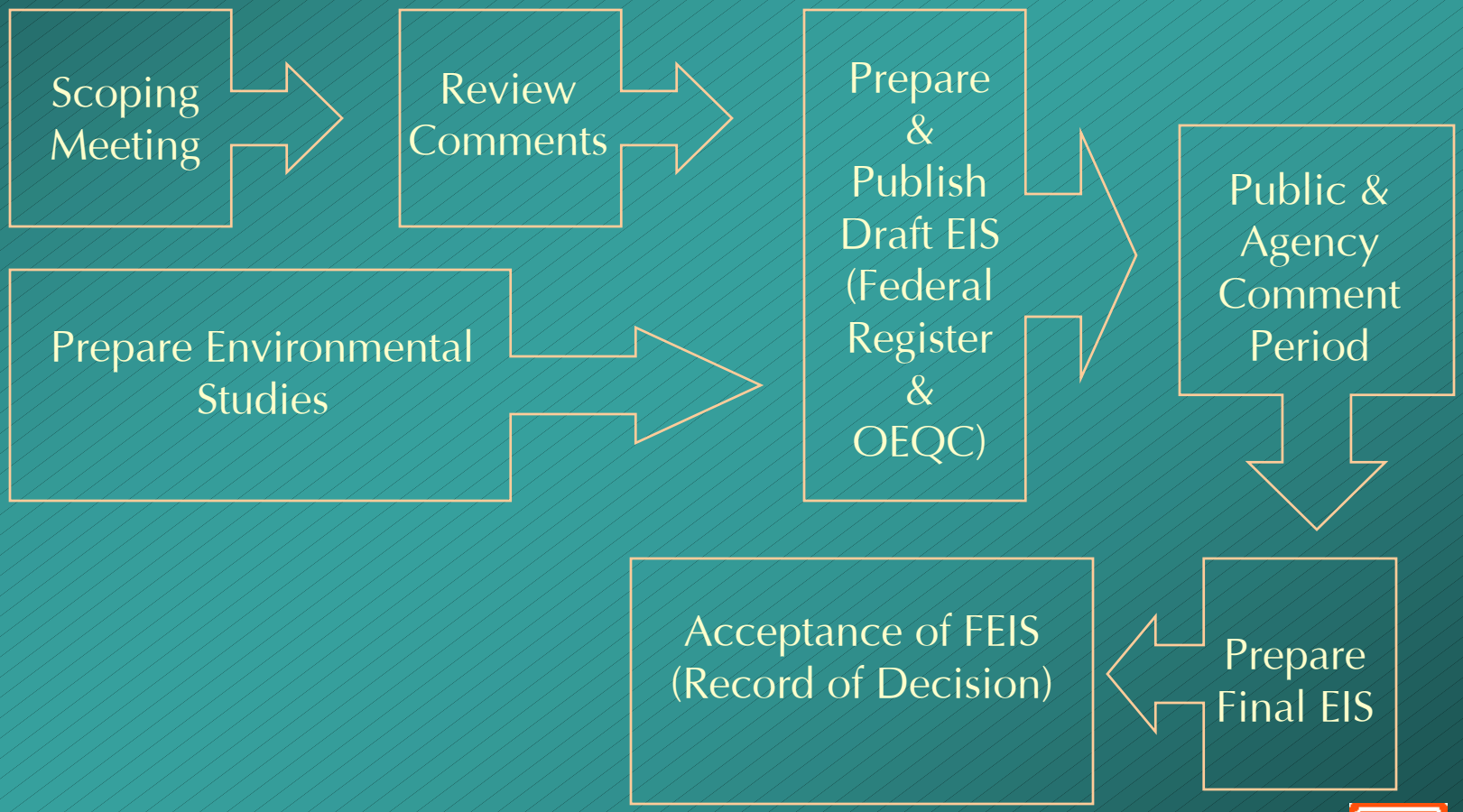
Phase 2 Studies for Impact Analysis

- Archaeological study
- Cultural impact assessment
- Flora & fauna study
- Ocean water & marine environment
- Water quality and sediment control

Source: Group 70 International, Inc.

Source: Pua Ka 'Ilima o Kawaihae Cultural Surf Park, Inc.

NEPA & Chapter 343 Process



Proposed Study Schedule

- Preparation of the Draft EIS: October 2003 - June 2005
- Submittal of the Draft EIS for public review: July 2005
- Public Meeting: August 2005
- Submittal of the Final EIS: January 2006

General Navigational Features

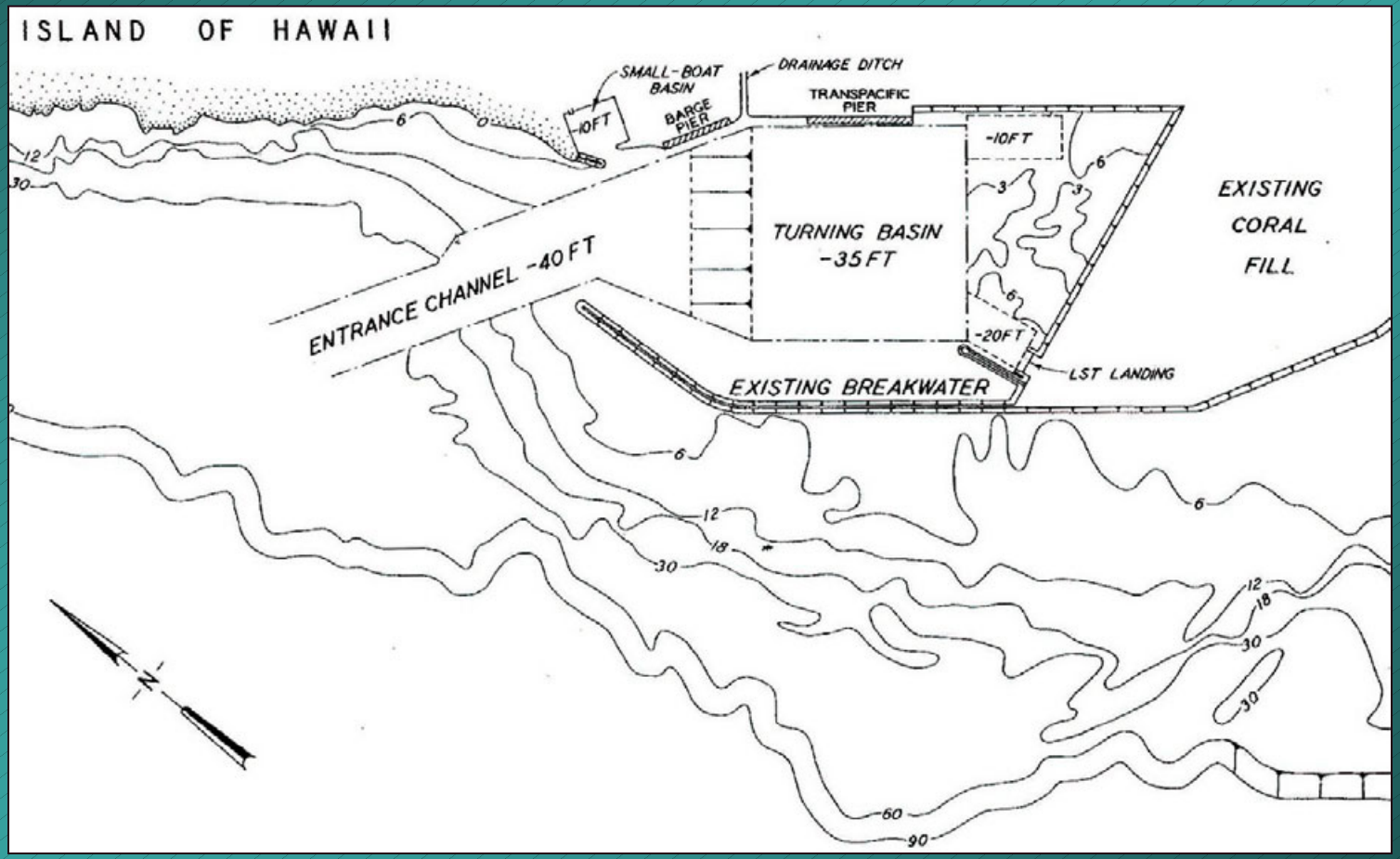
Entrance Channel
- Length: 3,270′
- Width: 500′
- Depth: 40′

Existing Breakwater
- Length: 2,650′

Harbor Basin
- Length: 1,500
- Width: 1,450
- Depth: 35′

Source: R.M. Towill (25 May 2002)

Existing Project Layout

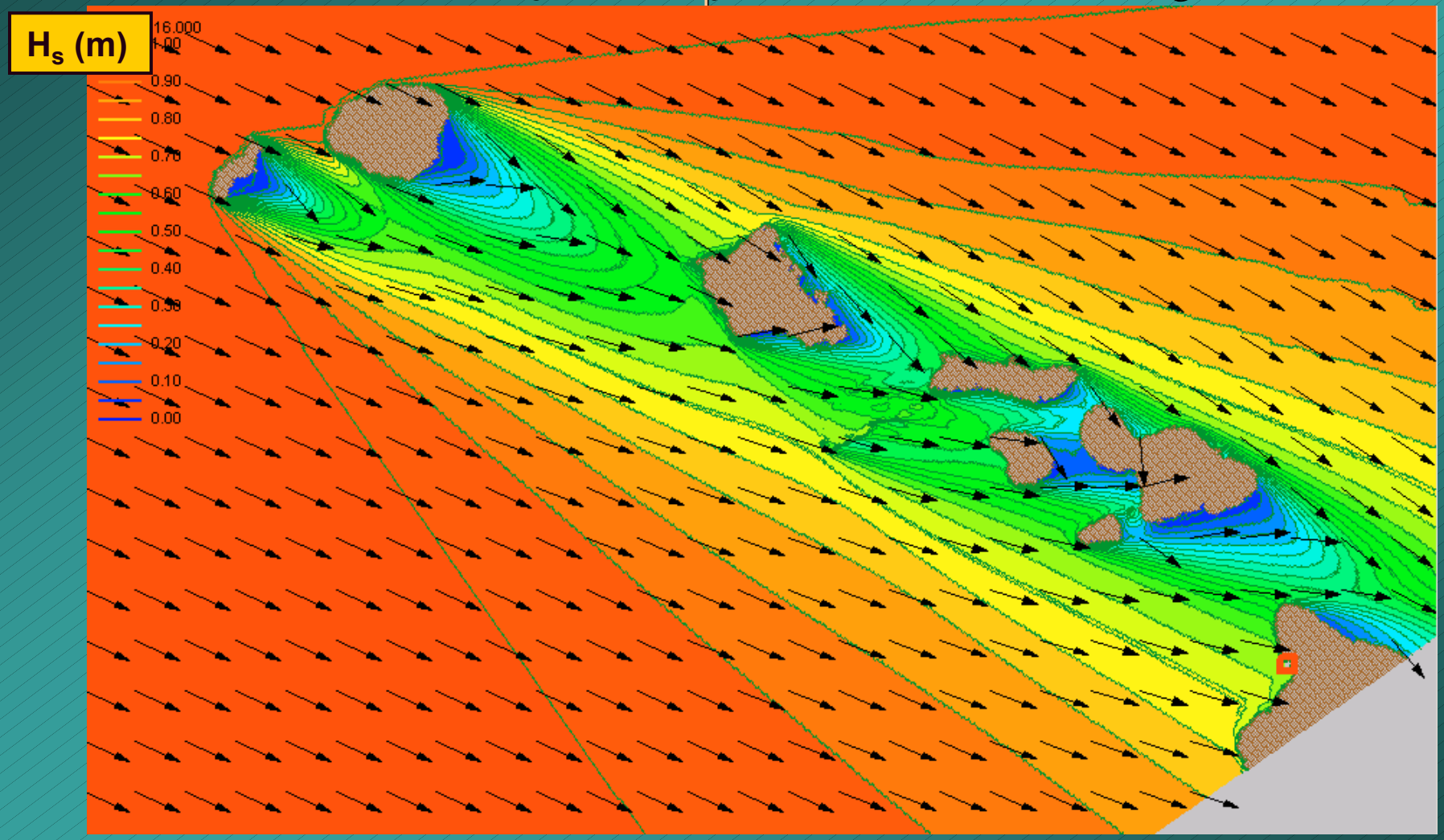


Wave Climate & Wave Response Study Tasks

- Deepwater wave climate
- Numerical modeling: existing harbor
- Numerical modeling: alternative plans

Wave Transformation

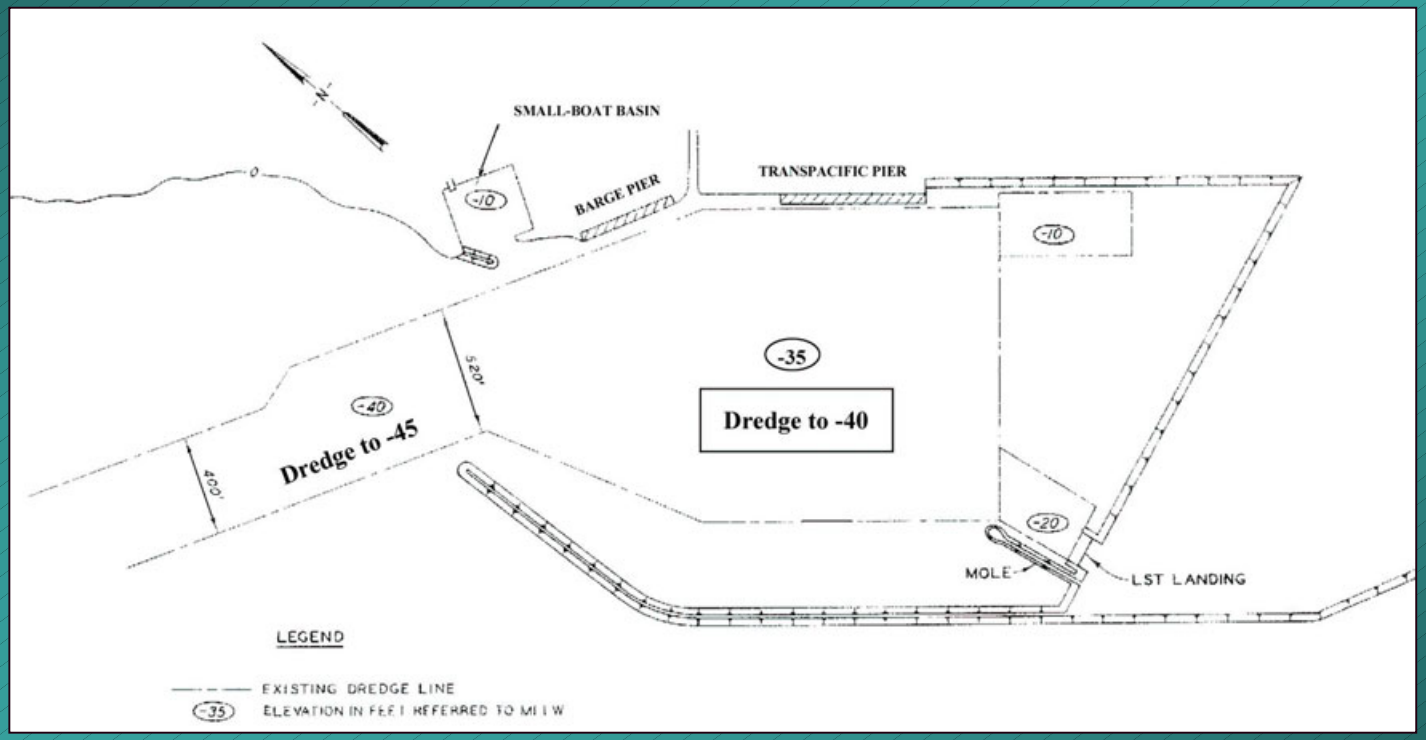
Incident waves: H_s=1m, T_p=14sec, Dir=295 deg



Alternative Plans

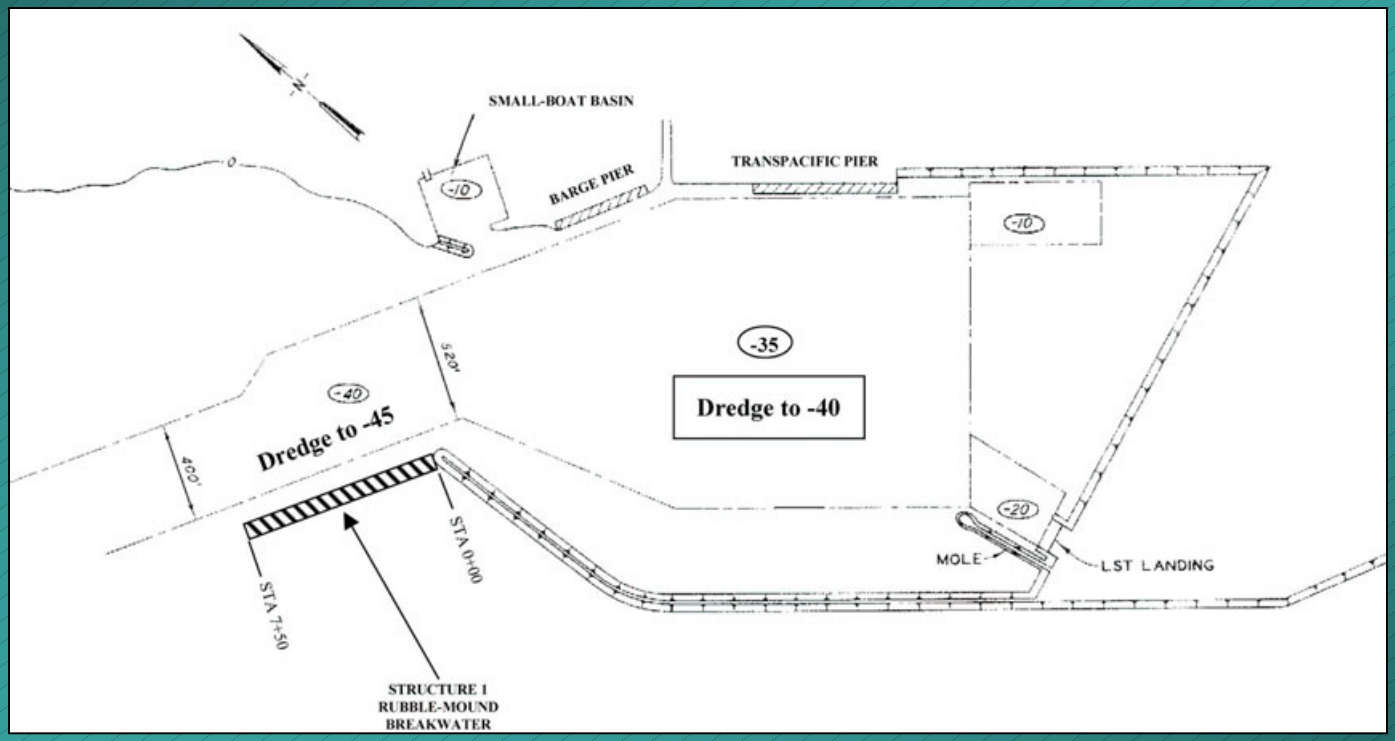
- No-action alternative
- Four preliminary design alternatives:
  1. Deepening the harbor basin & entrance channel
  2. Deepening in combination with extending existing breakwater
  3. Deepening in combination with constructing new breakwater
  4. Deepening in combination with constructing new breakwater (larger structures)

Alternative 1



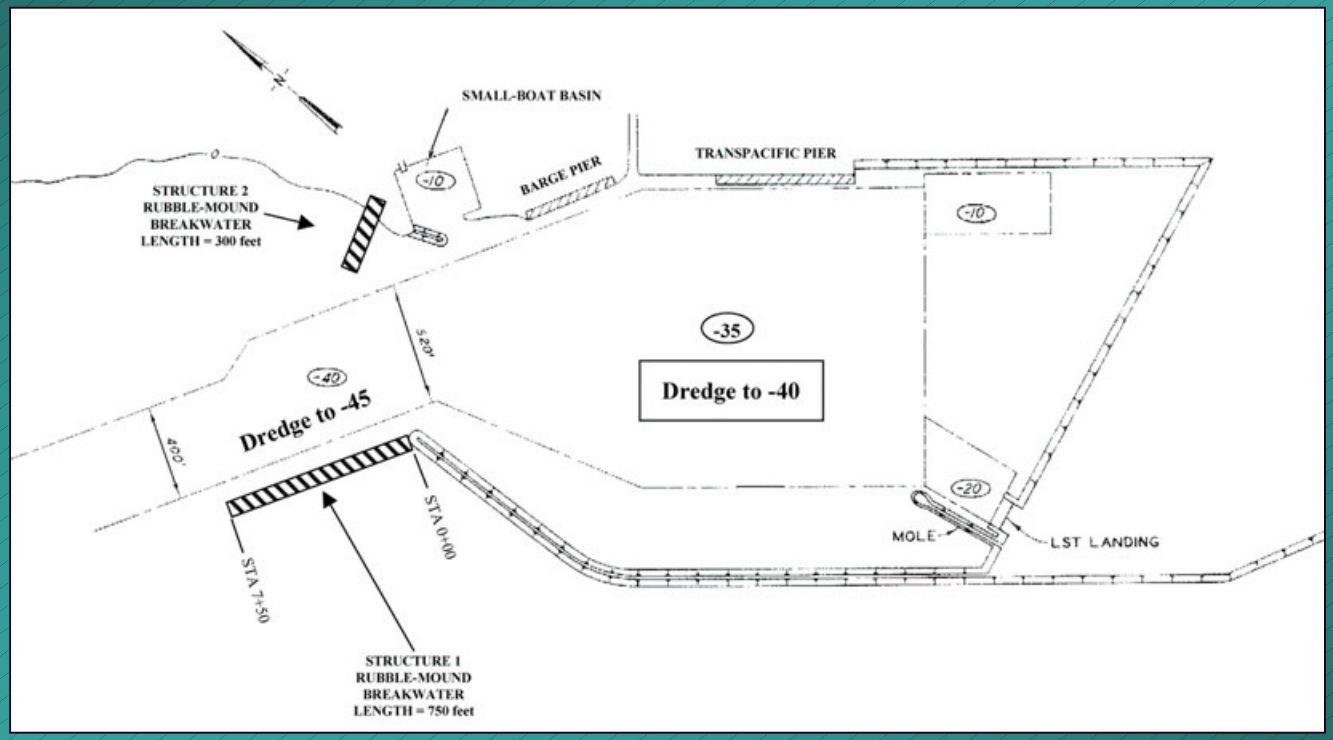
- Entrance Channel: Dredge from existing 40′ to new 45′ depth
- Basin: Dredge from existing 35′ to 45′

Alternative 2



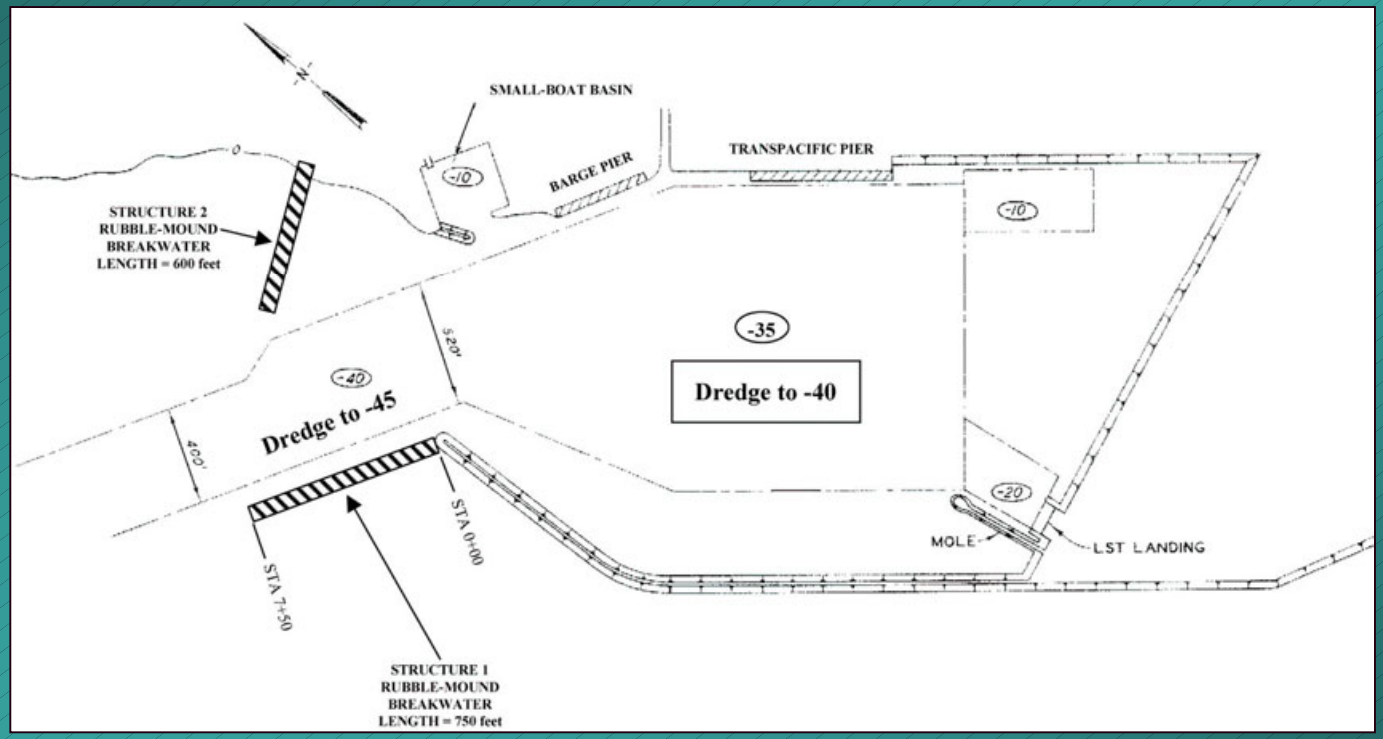
- Dredge entrance channel and basin
- Extend existing breakwater 750′ (“Structure 1″)

Alternative 3



- Dredge entrance channel & basin, construct Structure 1
- Construct new 300′ breakwater near small-boat basin

Alternative 4



- Dredge channel and basin, construct Structure 1
- Construct new 600′ breakwater extending from shoreline

Point of Contact

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Project Web Information

- U.S. Army Corps of Engineers, Honolulu District:

http://www.poh.usace.army.mil

- Kawaihae Deep Draft Harbor Web page:

http://www.poh.usace.army.mil/cw/Kawaihae%20DDH.html

Public Review & Comment Period

- **Questions and Responses:**
  To clarify points of the presentation
- **Ground Rules**
- **Public Comment**
  - 3 minutes per person
- **Closing Remarks**