



**TESORO**

# **NET REMOVAL PROJECT REPORT**

KAUAI, HAWAII

OPERATING PERIOD:  
OCTOBER 10, 2001  
THROUGH  
OCTOBER 14, 2001

## **EXECUTIVE SUMMARY**

### **BACKGROUND**

As part of a Consent Decree which was entered in the United States District Court for the District of Hawaii (Civ. No. CV01-00560 SOM LEK) on October 17, 2001, Tesoro Hawaii Corporation ("Tesoro Hawaii") agreed to complete a Net Removal Project (the "Project") on the island of Kauai in accordance with a work plan approved by pertinent federal and state of Hawaii natural resource trustees (the "Trustees"). Following is a summary report that documents the performance and completion of the Project. Attachment 1 is a copy of the Project description taken from the Consent Decree. Attachment 2 sets forth a task-by-task description of actions taken to complete the requirements under the Project description. Attachment 3 provides a review of certain lessons learned in execution of the Project.

### **NET REMOVAL PROJECT SUMMARY**

Under Trustee oversight and direction, Tesoro Hawaii took the lead in managing and completing the project, in accordance with an approved net removal plan which had been reviewed and approved by the Trustees. The Project was planned and executed under the general guidelines applicable to the Incident Command System (ICS). That is, the project team:

- Utilized the ICS structure, including the concept of Unified Command operating under an incident organization chart;
- Conducted daily planning meetings and produced daily Incident Action Plans (IAPs);
- Mobilized and deployed the Boat and Shore Teams in conformance with the agreed upon IAPs;
- Produced a Site Safety and Health Plan and conducted daily safety briefings;
- Developed a Waste Disposal Plan; and
- Prioritized work locations and net removal in accordance with Trustee direction.

Attachment A Contains:

- A Net Removal Project Organization Chart (ICS 203);
- A Project Communications List (ICS 205);
- A timeline for the Net Removal Project;
- A Work Hours Summary; and
- Photographs

Additional Project information:

- Project Manager:

Michael Latham  
Oil Spill Prevention Administrator  
Tesoro Hawaii Corporation  
733 Bishop Street  
Honolulu, Hawaii 96813.

- Project Contractor:

Kim Beasley  
General Manager  
Clean Islands Council  
179 Sand Island Road  
Honolulu, Hawaii 96819

- Project Oversight Trustees:

John Naughton  
National Oceanic & Atmospheric Administration (NOAA)  
National Marine Fisheries Service  
1601 Kapiolani Blvd., Suite 1110  
Honolulu, HI 96814-4070

Don Heacock, Aquatic Biologist  
State of Hawaii, Department of Land and Natural Resources  
Division of Aquatic Resources  
3060 Eiwa Street, Room 306  
Lihue, HI 96766

Elizabeth Galvez, State On-Scene Coordinator  
State of Hawaii, Department of Health  
Hazard Evaluation and Emergency Response Office  
Room 206  
919 Ala Moana Blvd.  
Honolulu, Hawaii 96814-4920

- Project Work Area:

The adjacent shoreline out to a 10 meter depth in the general area where the SPM Hose Spill impacts were observed between Kilauea

Point to Makahucna Point and between Makaha Point to Mana Point on the Island of Kauai.

- Project Operating Period:

The 5 day Project Operating Period commenced Wednesday, October 10, 2001 and concluded Sunday, October 14, 2001.

- Derelict Net Removed:

20.68 tons

- Disposal:

The recovered nets and associated debris were not deposited in any landfill. The nets and debris were containerized on Kauai, transported to Oahu, baled for recycling and then picked up by a recycling facility.

**EXHIBIT A****NET REMOVAL PROJECT DESCRIPTION  
SPM HOSE SPILL**

**Objective** – remove identified nets located in the defined Work Area that can be safely retrieved and disposed of, in accordance with the provisions set forth below.

**A. Definitions**

"Aerial Survey Team" means a trustee representative; two contractors for scooping work effort and collecting documentation to complete net survey and removal plan; and the Project Manager.

"Boat Team" means a boat captain; a deck hand; three divers; and one or two Trustee representative(s). Project Manager representative optional.

"Dispose" means deposit the nets in an appropriate disposal facility in accordance with a pre-approved waster disposal plan.

"Level of Effort" means the equipment and personnel resources of the Aerial Survey Team, Boat Team, and Shore Team applied over the term of the Operating Period.

"Nets" mean any fishing net larger than 5 square meters in surface area unrolled or for bundled nets, any bundle greater in size than a thirty-gallon container.

"Offshore Work" means surveys and net removal work conducted by boat and the Boat Team. The offshore work activities will have a duration of 5 working days (each with no less than 6 hours of actual net removal activity) with 2 additional days for standby time as a contingency for bad weather and sea conditions. The offshore work must be completed within 7 consecutive days from startup of the offshore field work. At Trustee discretion (not subject to dispute resolution) unused Offshore Work hours (but not standby time) may be reallocated and applied to Shore Work activities and the Boat Team shall be released. However, once the Boat Team is released it shall not be reactivated.

"Operating Period" means a safe working period of up to 10 hours per day until maximum Work Hours are exhausted. In the event that bad weather or sea conditions prevents safe working conditions for Offshore Work during the Operating Period, there shall be allocated an additional period of standby time not to exceed 16 work hours over two (2) days of the Offshore Work period. This time used by contractor(s), as standby time will be charged against standby time and not work hours. Over the entire net removal project, Work Hours shall not exceed a maximum of 384; plus 16 standby hours for the Offshore Work should such time be necessary due to bad weather or sea conditions.

"Project Manager" means a designated Tesoro representative.

"Remove" means to take in an environmentally responsible and safe manner as much of a net located in the Work Area as can be feasibly retrieved as reasonably determined by the on-scene trustee representative(s).

"Shore Team" means three wading/snorkel divers and a trustee representative with access to a 4X4 truck to be used for transportation and for moving net debris to a disposal location.

"Shore Work" means survey and net removal work conducted by the Shore Team. The shore work activities will have a duration of 5 working days and must be completed within 5 consecutive days from startup of the shore field work. However, unused Offshore Work hours (but not standby time) may be reallocated and applied to Shore Work (including intertidal or supratidal work) at Trustees discretion (not subject to dispute resolution) as provided in paragraph A.6. (above).

"Trustee(s)" means State of Hawaii and/or National Oceanic & Atmospheric Administration (NOAA).

"Work Area" means the adjacent shoreline out to a 10 meter depth in the general area where the SPM Hose Spill impacts were observed between Kilauea Point to Makahuena Point and between Makaha Point to Mana Point on the Island of Kauai.

"Work Hours" means the person-hours allocated to each of the tasks that constitute the Level of Effort.

## **B. Phase 1 – Planning**

Summary: Work required prior to conducting field activities includes gathering information from local sources on net locations and the preparation of plans to support the survey and field activities. The planning tasks will begin approximately 30 days prior to the Operating Period. However, the actual Operating Period will be determined by agreement between Trustees and Tesoro in consultation with the applicable contractor(s).

### **Tasks**

Implement a community outreach program for public input, particularly from boaters, divers and fisherman, to aid in locating submerged nets. The outreach program will target fish and dive clubs, boat harbors, launching ramp facilities and helicopter operators on Kauai. The outreach effort will include placing a notice in the newspapers, a presentation to the target groups, as available, notices at harbor and launch ramps and helicopter operation areas on Kauai. A net removal project call-in number will be established for net location information. A bounty program to encourage reports may be developed. The outreach program will commence 30 days prior to the aerial survey.

event that the Shore Team is augmented, net removal activities may occur into the supratidal zone within the Work Area.

Deliver collected nets and associated debris to designated waste transfer locations. Net and debris weights will be determined at the weigh-in station at Kauai landfill. Disposal documentation will be included in the project report. All nets collected by the Shore and Boat Teams must be disposed of by Tesoro or contractor in accordance with the pre-approved waste disposal plan. Tesoro will provide necessary personnel and equipment for recovered net disposal. This project does not contemplate the use of heavy equipment such as bulldozers, excavators, graders and trackhoes.

Demobilize equipment and personnel when the project is complete.

### **Other Conditions**

1. Contractor will be responsible for obtaining (and conducting all work in conformance with) any permit, license or other approvals required to remove and dispose of the nets. Trustees will identify all permits, licenses or other approvals necessary to remove and dispose of the nets and assist contractor in acquiring such permits/licenses/approvals to the maximum extent practicable. The contractor will be required to prepare a Waste Disposal Plan and ensure compliance with all applicable regulations pertaining to net disposal. The Trustees must agree in writing to the Waste Disposal Plan prior to the commencement of work. No work shall commence until all required permits, licenses or other approvals have been obtained.
2. Standards for Net Removal:
  - a. Within the agreed upon Level of Effort, the trustees will retain the discretion (not subject to dispute resolution) to redirect the contractor to focus net removal efforts to a particular location within the Work Area described above; to a particular or different habitat type; or to focus on certain sizes or types of nets. The trustees shall identify in writing in advance the person authorized to provide such work directions.
  - b. To the fullest extent possible, net removal efforts will be conducted in a manner to minimize injury to corals and other living marine organisms.
  - c. For partially encrusted and anchored nets, those sections, which are not anchored and incorporated as part of the substrate, will be cut free and removed.
  - d. Completely encrusted nets that have become anchored and incorporated, as part of the substrate will not be removed.
  - e. For nets that are not encrusted and anchored but are entangled in or attached to corals or other living marine organisms, removal efforts will minimize additional injury to corals and other living marine organisms to the fullest possible extent. The trustee on-scene representatives will direct and monitor such activities.

- f. Pieces of live coral caught in nets being removed will be returned to the water in the general vicinity of the removed net as soon as possible, and to the extent practical.
- g. In the event that a net is not entirely visible due to being buried or wedged beneath an immovable object, the net will be cut at an accessible point and the remaining net will be left in place.

3. The Trustee representative is to provide direction (not subject to dispute resolution) to the contractor in the following areas: a) designating the geographic area within the Work Area where work will occur; b) designating the nets to be removed; and c) providing directions or suggestions on removing nets to minimize injury to corals or other living marine organisms. In addition, the Trustee representative will make any decision (not subject to dispute resolution) as to whether the Level of Effort for Offshore Work should be terminated in favor of applying unused Offshore Work hours to Shore Team activities in the event bad weather or sea conditions prevents Offshore Work during the Operating Period. The contractor(s) will make any decisions regarding health or safety issues to the extent those issues affect the contractor's personnel or activities.

4. Tesoro will pay (or reimburse) the Trustee agencies' reasonable costs incurred as part of the planning and implementation of the net removal project, including the per diem and expenses to the extent allowed by applicable law.

**D. Phase 3 – Reporting**

Within 45 days of the completion of the above work, the Project Manager will provide a draft report to both Trustees that will include a project description; documentation associated with the community outreach program; health and safety plans; a waste disposal plan; a description of the results of the aerial and dive surveys; the daily operations plans; and disposal documentation. The report will also include a lessons learned section regarding the project.



## ACTIONS TAKEN TO ACCOMPLISH THE NET REMOVAL PROJECT DESCRIPTION REQUIREMENTS

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### Phase 1 – Planning

#### Task:

Implement a community outreach program for public input, particularly from boaters, divers and fisherman, to aid in locating submerged nets. The outreach program will target fish and dive clubs, boat harbors, launching ramp facilities and helicopter operators on Kauai. The outreach effort will include placing a notice in the newspapers, a presentation to the target groups, as available, notices at harbor and launch ramps and helicopter operation areas on Kauai. A net removal project call-in number will be established for net location information. A bounty program to encourage reports may be developed. The outreach program will commence 30 days prior to the aerial survey.

#### Actions Taken:

Tesoro Hawaii initiated a vigorous community outreach program on September 1, 2001. On that day, contractor personnel were dispatched to locations on Kauai to post the required notices requesting derelict net location information. The notices were distributed to 52 locations around the island. See the "Kauai Net Removal Project – Sign Locations" distribution log in Attachment B. A copy of the poster, "An Entangling Problem," also is included in Attachment B.

In addition to posting the notice, dive shop operators were contacted by letter. Please see the "LIST OF DIVE SHOPS" in Attachment B, along with an example of the information solicitation letter.

Helicopter operators were contacted by letter in an attempt to solicit net location information from that source. Please see the "HELICOPTER OPERATORS LIST" in Attachment B, with an example of the information solicitation letter sent to each operator.

With respect to the establishment of a net location call-in number, Tesoro Hawaii felt the use of a pre-existing and established net call-in number would enhance the opportunities of obtaining timely derelict fishing net information. Therefore, with the support of Ms. Chris Woolaway (Coastal Recreation & Tourism Extension Agent, University of Hawaii Sea Grant Program) and in cooperation with the University of Hawaii Sea Grant Program, Tesoro Hawaii utilized the Derelict Fishing Net Hotline telephone number (808-956-2861) that had been previously established by Sea Grant. Sea Grant staff members monitored the derelict net call-in number for Tesoro and were prepared to pass any derelict net information to the Company. However, no derelict fishing net information was received from this resource. See "Groups urge alert eyes for errant fishnets" in Attachment B.

With respect to posting information in the newspaper, please see the article "Derelict nets around Kauai to be removed" in Attachment B. The article was published in the Honolulu Star-Bulletin September 7, 2001.

In regard to presentations, please see the "Derelict Net Public Outreach Log" in Attachment B. On September 20, 2001, Dave Hoffman and Mike Latham of Tesoro, accompanied by contractor personnel (Stanley Souza and Hollie Morrow), visited selected dive and fishing supply shops to reemphasize the community's opportunity to report derelict fishing nets. Additional copies of the "An Entangling Problem" poster were distributed, and shop operators were encouraged to seek input from their customers on derelict net locations.

The community outreach effort commenced on September 1, 2001, which satisfied the Consent Decree requirement that the outreach program commence 30 days prior to the net removal project aerial survey. The aerial survey was conducted on October 9, 2001.

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**Task:**

Develop required health and safety plans for all phases of the work, including survey, net removal, and disposal tasks.

**Actions Taken:**

A comprehensive Site Safety & Health Plan was developed for the Project. The Plan was discussed with and agreed to by Tesoro Hawaii project management and the oversight Trustees prior to the commencement of any net removal activities. The Site Safety & Health Plan for the Project is located in Attachment C.

In spite of the dangerous nature of the work and that fact that so much of the work was carried out directly in the surf zone or offshore in rough conditions, the Net Removal Project was completed without any injury to personnel.

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**Task:**

Develop waste disposal plan for all retrieved nets and associated debris.

**Actions Taken:**

A recovered derelict net waste disposal plan was developed for the Project and all wastes were handled in conformance with the pre-approved disposal plan. The Trustees agreed to the disposal plan prior to the commencement of work. A copy of the waste disposal plan may be found in Attachment D.

**Task:**

Work with state, county, landowners and trustees for access to portions of the Work Area where permission may be required.

**Actions Taken:**

On June 28, 2001, Tesoro Hawaii sent letters of inquiry regarding permits and/or licenses to Mr. Gilbert Coloma-Agaran, Chairperson, State of Hawaii, Department of Land and Natural Resources, 1151 Punchbowl Street, Honolulu, Hawaii 96813 and to Mr. George Young, Regulatory Branch, U. S. Army Corps of Engineers, Building 230, Fort Shafter, Hawaii 96858-5440. Copies of these letters may be found in Attachment E. The State of Hawaii, Department of Land and Natural Resources, replied verbally and the U. S. Army Corps of Engineers advised Tesoro by letter that no permits or licenses were required to perform the net retrieval work, as it was defined in the Consent Decree, Exhibit A, NET REMOVAL PROJECT DESCRIPTION SPM HOSE SPILL.

During the course of the net removal work, it was necessary to contact Mr. Walton D. Y. Hong, Esq., for permission to enter private property in the area adjacent to Hanamaulu, Kauai. Ms. Elizabeth Galvez of the Department of Health obtained the necessary permissions and a key was obtained for the locked entrance gate. A copy of the key receipt from Mr. Hong is included in Attachment E. The key was returned to Mr. Hong on October 15, 2001 at the conclusion of the Project.

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**Phase 2 – Survey and Net Removal****Task:**

Aerial Survey Team shall have up to 15 work hours of flight time over the duration of the project to locate and remove, as necessary, nets in the Work Area. During net removal operations, the only passenger anticipated on the helicopter is the pilot. Aircraft will have GPS and fixed video equipment capability. At the end of each survey period, the Aerial Survey Team shall develop a net removal plan for the portion of the Work Area surveyed.

**Actions Taken:**

In order to more accurately gauge the magnitude of the Net Removal Project, a preliminary net survey overflight was conducted on September 20, 2001. The preliminary overflight was not considered by Tesoro Hawaii nor the Trustees to be an "official" net survey within the context of the Consent Decree, nor would the hours spent conducting the flight (5.9 hours) be charged against the 15 work hours of flight time allowed the Trustees by the Consent Decree. The focus of this preliminary overflight was simply to more fully understand:

- The magnitude of the project (i.e., an approximation of the number of derelict nets in the Work Area);
- How much and what type of resources would be needed to accomplish the net removal project;
- What kind of access would be needed or was available to reach the derelict nets;
- How might the work effort be divided between the Boat and Shore Teams; and
- How were the nets distributed along the coastline of Kauai?

The results of the above overflight may be found in the report PRELIMINARY SHORELINE/NEARSHORE SURVEY in Attachment F. The report includes a narrative description, a net latitude/longitude matrix and charts showing the derelict net locations.

The value and quality of the information gathered during the preliminary overflight cannot be overstated. The preliminary overflight information formed the basis for the two planning meetings conducted with the Trustees on September 28<sup>th</sup> and October 3<sup>rd</sup>. For example, the September 20<sup>th</sup> overflight found only two (2) small net clusters (line item 8 on the matrix for survey flight # 2) on the west coast of Kauai within the Work Area established by the Consent Decree, the area from Makaha Point to Mana Point. After discussing the preliminary overflight information with the Trustees, the Trustees decided to eliminate the west shore of Kauai from the scope of the Net Removal Project once it commenced, and to concentrate future surveys and net removal efforts on the eastern shore. The minutes from the September 28<sup>th</sup> planning meeting may be found in Attachment F.

Phase II of the Net Removal Project commenced with the net survey overflights of record, which were conducted on October 9<sup>th</sup>. The helicopter utilized 6.7 hours of flight time for the survey. The results of the first overflight, including a narrative description, a net latitude/longitude matrix and charts showing the derelict net locations, are in Attachment G. The purpose of the second overflight was to scout access routes into remote locations where nets were observed and to gather information relative to which nets might be best removed by the Shore Team and those nets best removed by the Boat Team.

**Task:**

Deploy equipment and personnel on Kauai to prepare for survey and net removal activities.

**Actions Taken:**

On October 8<sup>th</sup>, Tesoro Hawaii and its contractor deployed the necessary equipment and personnel to Kauai for the aerial surveys and net removal activities. Tesoro also utilized contractor personnel and equipment assets that are permanently based on Kauai. Tesoro Hawaii facilitated the travel for the off-island Trustees to Kauai. All necessary and appropriate arrangements were made to house, feed, properly equip and otherwise provide for Project personnel during the complete term of the net removal project.

A field command post was established at the Aston Kaha Lani Hotel, 4460 Nehe Road, Lihue, Kauai, Hawaii 96766. All off-island personnel, including Trustees, were housed at that location, which greatly facilitated the evening planning meetings and safety briefings.

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**Task:**

Provide the aerial survey information to the Boat Team and Shore Team for additional boat survey and removal activities for the next day of the Operating Period. The information to be provided will include a chart with the location of the nets and the estimated size of each net (e.g., less than size of car, car size, larger than car size or whatever metric is agreed upon between contractor and trustees).

**Actions Taken:**

As previously noted, daily planning sessions were held at the field command post. The aerial survey information formed the core of the planning process, but this was modified by information obtained during the actual net retrieval activities. Thus, each day's planning discussions utilized the most current information and the daily Incident Action Plan reflected decisions based upon those discussions.

Copies of the Incident Action Plans, approved by Unified Command, for the five day Operating Period may be found in Attachment H.

**NOTE: Each daily Incident Action Plan (IAP) contained a copy of the Site Safety & Health Plan and the Waste Disposal Plan. The Site Safety & Health Plan and the Waste Disposal Plan have been discussed previously and are located in Attachments C and D respectively, so they are not repeated in each IAP in Attachment H.**

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**Task:**

Deploy Boat Team and Shore Team to survey and remove nets. At the end of each day, each field team leader will participate in development of the net removal plan for the next day of the Operating Period. As a contingency for bad weather or sea conditions, unused Offshore Work Hours may be used to augment the Shore Team efforts. The work allocation is at the discretion of the Trustee representatives (not subject to dispute resolution). In the event that the Shore Team is augmented, net removal activities may occur into the supratidal zone within the Work Area.

**Actions Taken:**

The Boat Team was dispatched each day for five consecutive days. There were no weather delays and no unused Offshore Work Hours. Surf conditions in some of the net removal areas slowed progress and made nearshore work difficult for the Boat Team, however, the Boat

Team was active each day of the Operating Period and recovered derelict nets each day. The Trustees did not reallocate any of the Work Hours of the Boat Team.

The Shore Team was dispatched and able to operate each day of the five day Operating Period.

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**Task:**

Deliver collected nets and associated debris to designated waste transfer locations. Net and debris weights will be determined at the weigh-in station at Kauai landfill. Disposal documentation will be included in the project report. All nets collected by the Shore and Boat Teams must be disposed of by Tesoro or contractor in accordance with the pre-approved waste disposal plan. Tesoro will provide necessary personnel and equipment for recovered net disposal. This project does not contemplate the use of heavy equipment such as bulldozers, excavators, graders and trackhoes.

**Actions Taken:**

The approved Net Removal Project Description, as noted in the above Task item, anticipated that all recovered nets and associated debris would be handled on Kauai by landfill disposal. Thus, the net and debris weights would be determined at the Kauai landfill weigh-in station. However, during the planning meeting of September 28<sup>th</sup> (see PRELIMINARY FLIGHT REVIEW AND PLANNING MEETING MINUTES IN attachment F), Tesoro was requested by the Trustees to review possible alternatives to landfill disposal, such as shipping the nets back to Oahu for recycling. After researching the issue, it was determined that recycling the net debris on Oahu was feasible, although recycling would involve extra expense to and logistic support effort from Tesoro. The Waste Disposal Plan (see Attachment D) was thus developed, and this Net Removal Project task item modified, by Trustee preference for recycling the collected net debris on Oahu versus landfill disposal on Kauai.

The recycling effort required:

- Establishing a net staging and handling area on Kauai. A suitable area was obtained through the office of Robert Crowell, the Nawiliwili Harbor Master.
- Allocating manpower to the net staging area to unload net debris from trucks bringing net from the Boat and Shore Teams.
- Obtaining containers from Matson in which to load the net debris.
- Obtaining a forward extension forklift to load the nets into the containers.
- Making arrangements with Kauai Commercial Company, Inc. to transport the empty containers from Matson to the net handling area, and then transporting the full containers to Young Brothers, Limited.
- Making arrangements with Young Brothers, Limited to transport the containers from Kauai to Oahu.
- Making arrangements with Horizon Waste Services to pick up the nets in Oahu and bale same for recycling.

- Making arrangements with Plastic Grinding & Recycling of Hawaii to recycle the nets.

The containers were weighed by Brewer Environmental Industries, LLC, Puhi, Kauai, both empty and again after they had been loaded with net debris. The derelict net weight totaled 21.29 tons. However, this weight included some equipment shipped back to Oahu inside one of the containers. The Brewer weigh tickets are in Attachment I.

After the nets had been delivered to Oahu, they were picked up at the pier by Horizon Waste Systems of Hawaii, Inc. and transported to Horizon's service yard. After the equipment that was shipped from Kauai was unloaded from the container, the net debris was reweighed. The total weight of net debris collected on Kauai and marked for recycling was 20.68 tons, and this is the weight of derelict net delivered to the recycling company. The Horizon weigh tickets may be found in Attachment I.

The invoice from Plastic Grinding & Recycling of Hawaii, showing that the nets were received for recycling, also is in Attachment I.

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**Task:**

Demobilize equipment and personnel when the project is complete.

**Actions Taken:**

The end of the Operating Period was, Sunday, October 14, 2001. On Monday, October 15<sup>th</sup>, all equipment and personnel were demobilized and the Net Removal Project was complete.

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**Phase 3 – Reporting**

**Tasks**

Within 45 days of the completion of the above work, the Project Manager will provide a draft report to both Trustees that will include a project description; documentation associated with the community outreach program; health and safety plans; a waste disposal plan; a description of the results of the aerial and dive surveys; the daily operations plans; and disposal documentation. The report will also include a lessons learned section regarding the project.

**Actions Taken:**

This document and its related attachments comprise the report required by the Net Removal Project description.

In summary, 20.68 tons of derelict fishing nets were removed from Kauai. However, not all the nets observed on the net survey overflights were removed. Some nets, due to their location, were

simply inaccessible to either the Shore or Boat Teams, or, if they were accessible, they could not be removed safely. The merits of retrieving a particular net or leaving it in place were fully discussed by the Project team, but, under the terms of the Consent Decree, all decisions to retrieve a derelict net or leave it in place were made by the Trustees.

A project summary net matrix and charts are located in Attachment J.



## NET REMOVAL PROJECT

### LESSONS LEARNED

1. The Kauai Net Removal Project involved several actual and potential constraints:
  - It was time-constrained by the Operating Period, 5 days from start to finish.
  - It was logistically constrained by the fact that it required deployment of personnel and equipment to a neighbor island, Kauai.
  - The weather was a potential factor in being able to successfully complete the project.

For a project of this magnitude, the lesson here is to gather as much information as you can in advance. The preliminary overflight of September 28 was very beneficial for pre-planning the project. The information gained on the flight allowed the Project Team to more accurately determine equipment and manpower requirements. Also, observing the terrain where the work was to take place allowed for proper selection of vehicles and net hauling gear.

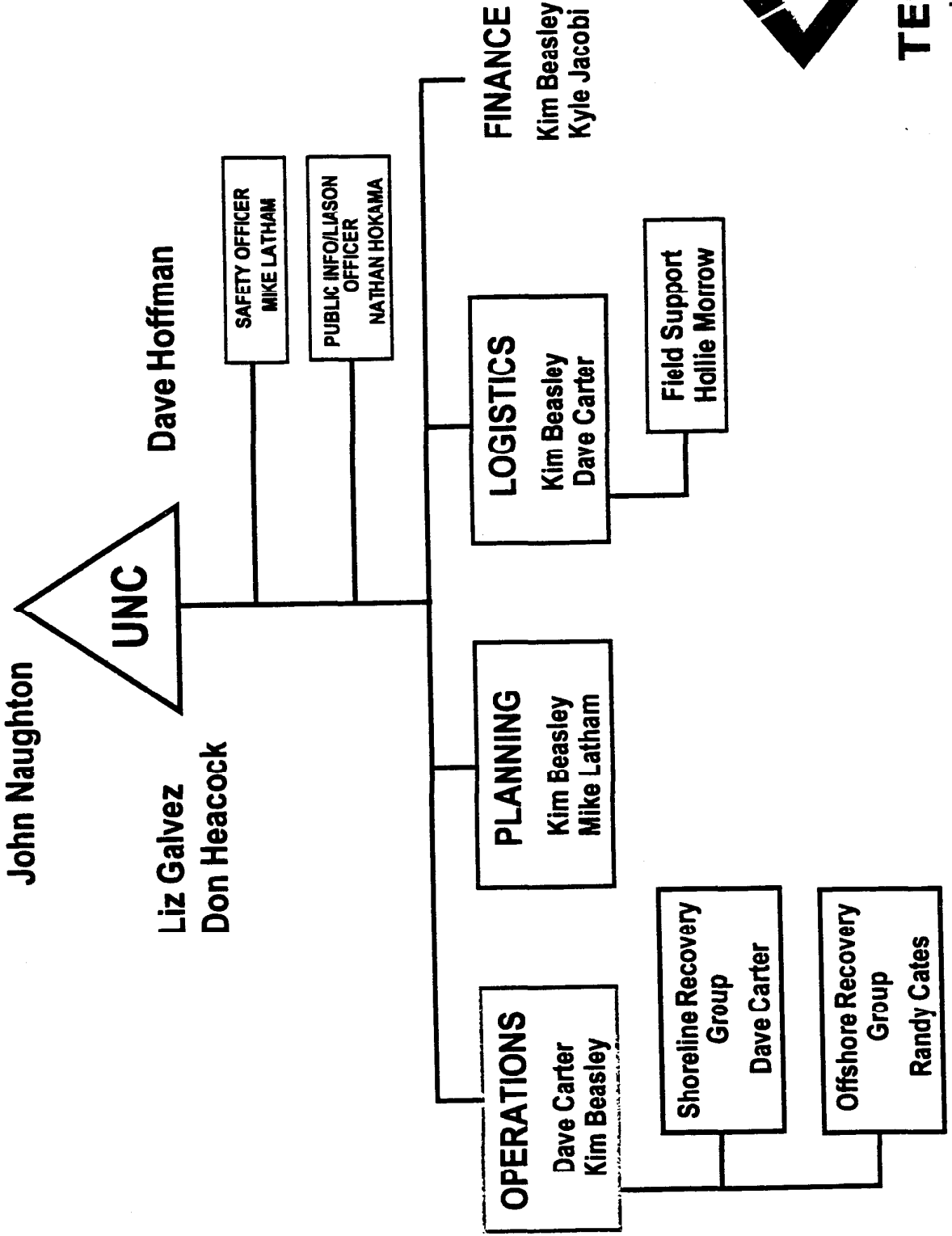
2. Selection of an appropriate work platform for offshore work is very important. The 32' Radisson boat provided by Safety Boats Hawaii for the Boat Team was the best vessel for the net removal project. The Radisson is a catamaran design, which provided a stable work platform, and the boat afforded a large open working area on deck. The boat was also fitted with an A-frame lifting device and winches. This boat provided a safe and stable platform for the divers, and the power supplied by the hydraulic A-frame and winches allowed the Boat Team to safely handle and retrieve large nets from remote locations that were inaccessible to the Shore Team. The physical size of the boat provided a margin of safety for the crew when working in open ocean conditions, but its configuration allowed the boat to be brought to within working distance of the shore.
3. The Net Removal Project retrieved over 20 tons of derelict nets, and this was made possible only by the use of suitable vehicles, including a boom truck. The Shore Team was able to find the derelict net, prepare it for removal and then hook it up to the boom truck. The boom truck, with its long cable and power capabilities, was able to pull and retrieve large clumps of net from relatively long distances in a very short time. If the boom truck had not been used, the Shore Team would have had to cut the net into manageable size pieces and carry the pieces up to the transport vehicles. This manual activity would have added considerable time to the process and detracted from the time available to retrieve nets.

The fact that large clumps of net, some weighing well over a ton, were being retrieved in one piece mandated that mechanical equipment able to handle that size net be available at the net storage and interim handling area. Therefore, it was necessary to rent and have available an extension-arm forklift at the location where the nets were being containerized.

The lesson here is that equipment capabilities must be balanced across the scope of the project. At one end of the net retrieval process the boom truck allowed for much more efficient operation by enabling the pickup of massive nets at one time. These large clumps were then transported to the interim net handling area. Net handling equipment able to handle the one-ton clumps of net had to be available at the back end of the process in order not to squander the advantage gained on the front end.

4. Derelict fishing net can be very difficult to cut with regular knives or cutters. For the Net Removal Project, a number of different cutting tools and techniques were evaluated. Ultimately, the tool of choice for cutting the large diameter synthetic line that makes up most modern fishing net turned out to be a battery-powered panel saw. The panel saw is a smaller version of the traditional hand operated power saw. The battery power capability made the saw completely portable and safe to use in the wet environment where the derelict nets were found. However, after some experimentation, we learned that we had to install the saw blades backwards on the panel saw. Installing the blades backwards prevented the blades from catching in the individual strands of the synthetic fishing line, but it still allowed enough cutting action so the saw cut cleanly through the line.

# KAUAI NET REMOVAL PROJECT



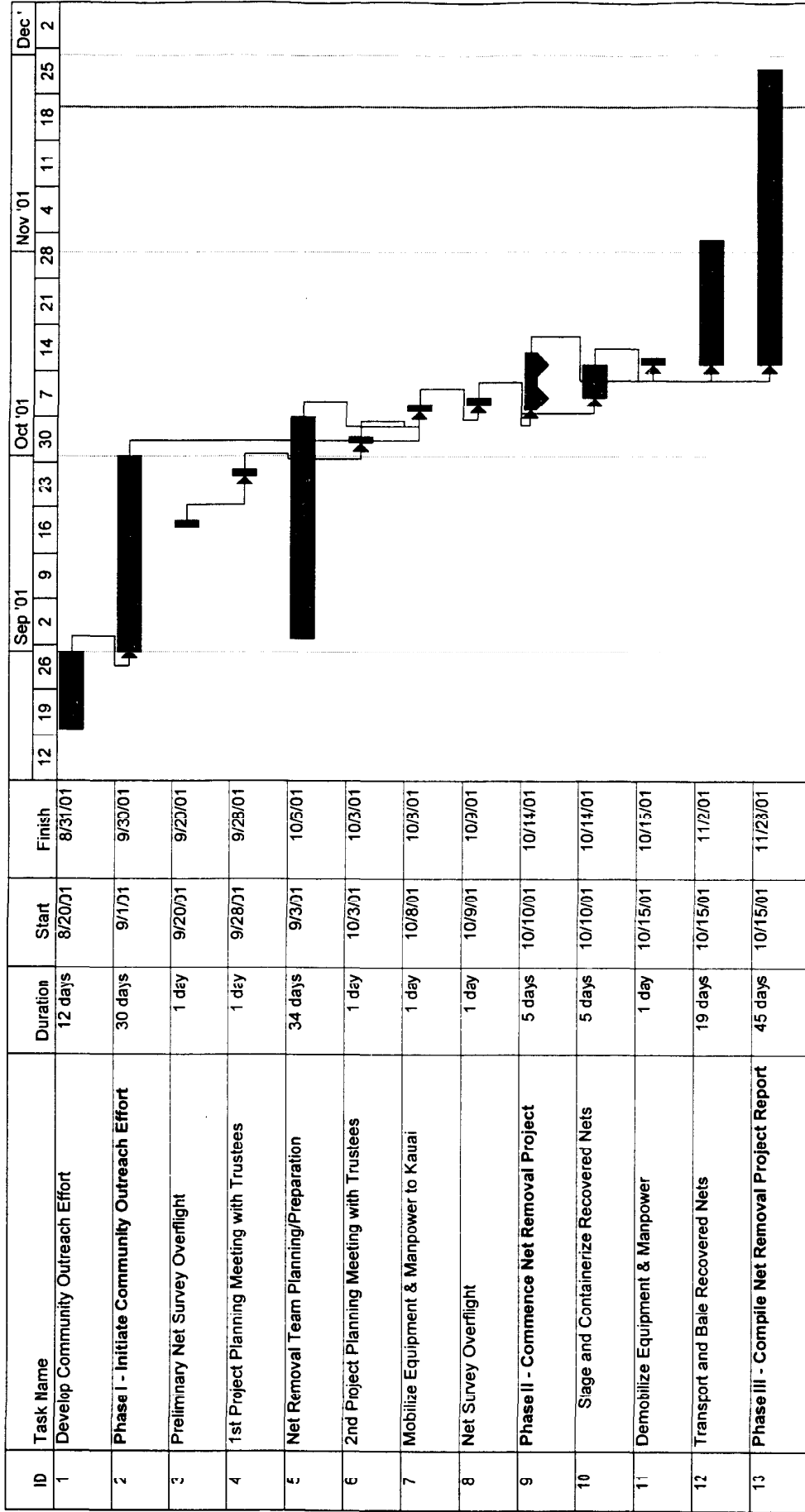
**TESORO**

ICS 203

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## NET REMOVAL PROJECT TIMELINE



KAUAI NET REMOVAL PROJECT  
WORK HOURS SUMMARY

DATE	SHORE TEAM			BOAT TEAM				PLANNING/LOGISTICS SUPPORT				PROJECT SUPPORT				HOURS WORKED PER DAY				
	Carter, Dave	Gouza, Stan	Bruhn, Barry	Boom Truck Operator	Conklin, Larry	Safety Boats Hawaii			Cates, Randy	Deck Hand/Jet Ski Operator	Diver #1	Diver #2	Diver #3	Beasley, Kim	Hoffman, Dave		Latham, Mike	Morrow, Hollie	Jacobi, Kyle	
	72.0	95.5	50.5		51.0												69.0	24.0	900.5	
	<b>TOTALS</b>																			
9/11/01																				5.0
9/15/01		5.0																		5.0
9/20/01		9.5																		33.5
9/21/01	4.0													8.0	8.0	8.0				4.0
10/4/01																				8.0
10/5/01	4.0																			4.0
10/8/01		6.0												8.0	8.0	8.0				36.0
10/9/01	8.5	7.5	2.0											10.0	10.0	10.0	7.5			63.5
10/10/01	10.5	1.0	10.0		10.5									11.0	11.0	11.0	11.5			141.5
10/11/01	10.5	10.5	10.5		11.0									11.0	11.0	11.0	11.5			142.0
10/12/01	10.5	10.5	10.5		11.0									10.5	10.5	10.5	11.5			140.5
10/13/01	10.5	10.5	8.5		9.0									11.0	11.0	11.0	11.5			138.0
10/14/01	10.5	12.0	9.0		9.5									11.0	11.0	11.0	9.5			138.5
10/15/01	3.0													7.0	7.0	7.0				17.0
10/16/01																				6.0
10/17/01																				6.0
10/18/01																				6.0
10/19/01																				6.0





**KAUAI NET REMOVAL PROJECT  
NET REMOVAL ACTIVITY HOURS**



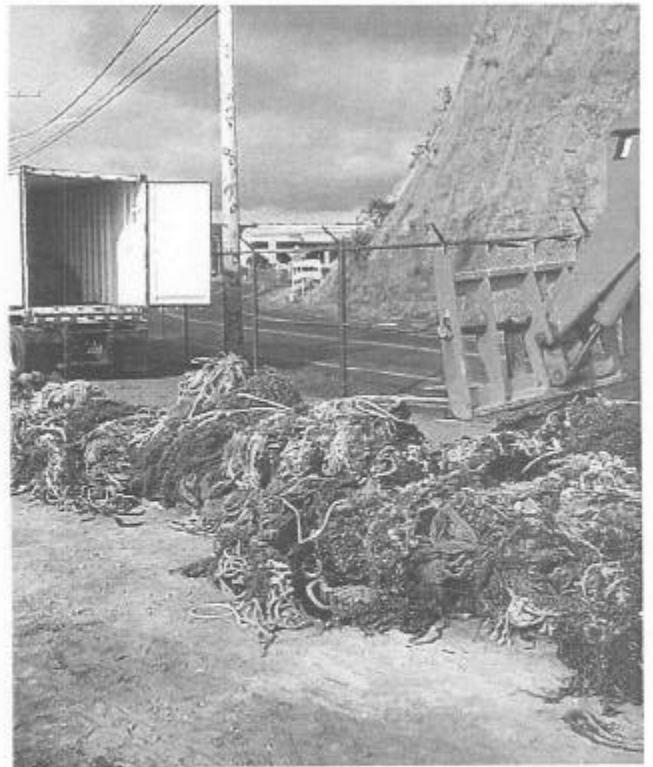
**TESORO**

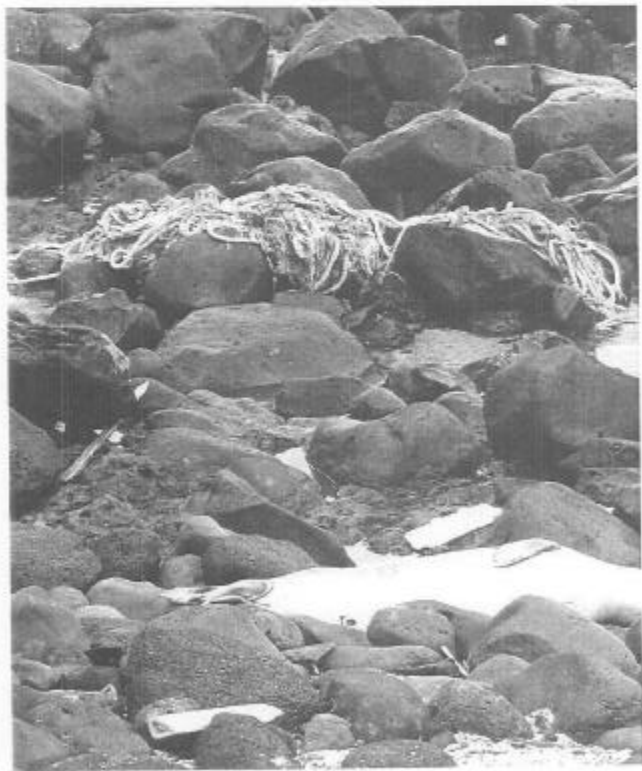
**NET REMOVAL OPERATING PERIOD:  
OCTOBER 10, 2001 - OCTOBER 14, 2001**

<b>SHORE TEAM</b>	<b>10/10/01</b>	<b>10/11/01</b>	<b>10/12/01</b>	<b>10/13/01</b>	<b>10/14/01</b>	<b>TOTAL NET REMOVAL ACTIVITY HOURS</b>
<b>Diver #2</b>						
Hours/Day	11.00	11.00	11.00	11.00	11.00	
Transit Time TO Site	0.75	0.75	0.75	0.75	0.75	
Transit Time FROM Site	0.75	0.75	0.75	0.75	0.75	
<b>Net Removal Activity Hours</b>	<b>9.50</b>	<b>9.50</b>	<b>9.50</b>	<b>9.50</b>	<b>9.50</b>	<b>47.50</b>
<b>Diver #3</b>						
Hours/Day	11.00	11.00	11.00	11.00	11.00	
Transit Time TO Site	0.75	0.75	0.75	0.75	0.75	
Transit Time FROM Site	0.75	0.75	0.75	0.75	0.75	
<b>Net Removal Activity Hours</b>	<b>9.50</b>	<b>9.50</b>	<b>9.50</b>	<b>9.50</b>	<b>9.50</b>	<b>47.50</b>
<b>SHORE TEAM NET REMOVAL ACTIVITY HOURS:</b>						<b>146.50</b>
<b>BOAT TEAM NET REMOVAL ACTIVITY HOURS:</b>						<b>237.50</b>
<b>TOTAL ACTUAL NET REMOVAL ACTIVITY HOURS:</b>						<b>384.0</b>











**KAUAI NET REMOVAL PROJECT - Sign Locations****NORTHSHORE:**

KEE BEACH  
HAENA BEACH PARK  
WAINIHA STORE  
HANAIEI PAVILLION  
BLACKPOT BEACH/HANAIEI PIER  
CHING YOUNG VILLAGE  
JAVA KAI  
HANAIEI GOURMET  
HANAIEI SURF CO.  
HANAIEI LIQUOR STORE  
KAI KANE SURF & SPORT  
HANAIEI DOLPHIN & FISH MARKET  
PRINCEVILLE SHOPPING CENTER  
ANINI BEACH PARK  
KILAUEA MENEHUNE FOODMART  
KILAUEA SUPER SERVICE (SHELL)  
PAU HANA PIZZA

**EAST-SIDE KAPAA:**

WHALERS GENERAL STORE ANAHOLA  
DUANE'S ONO BURGER  
ANAHOLA POST OFFICE  
KEALIA STORE  
KOJIMAS  
KAPAA NEIGHBORHOOD CENTER  
JAVA KAI  
KAUAI MARINE  
KAPAA BEACH PARK  
BUBBA BURGERS  
M. MIURA STORE  
TAMBA SURF SHOP  
OLYMPIC CAFÉ  
HULA GIRL  
PONO FISH MARKET  
LARRY'S MUSIC STORE  
KAPAA LIQUOR & WINE  
WAIPOULI VARIETY STORE

**LIHUE TOWN:**

FISH EXPRESS  
7-11 LIHUE  
ARA'S SAKANA-YA  
BIG SAVE  
7-11 HANAMAULU  
RICE SHOPPING CENTER  
LIHUE FISHING SUPPLY  
KALENA FISH MARKET  
NAWILIWILI BOAT HARBOR  
NAWILIWILI YACHT CLUB

**SOUTH-SIDE/WEST-SIDE:**

KOLOA BIG SAVE  
KOLOA FISH MARKET  
KUKUIULA STORE  
KUKUIOLONO STORE  
BIG SAVE ELEELE  
PORT ALLEN BOAT HARBOR  
BIG SAVE WAIMEA

# AN ENTANGLING PROBLEM



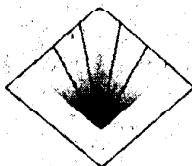
## KEEP KAUAI FREE OF ABANDONED FISHING NETS

BE A PART OF THE SOLUTION.

Abandoned fishing nets damage coral reefs and endanger marine life. Tesoro Hawaii needs your help in identifying the locations of abandoned nets so that we can remove them.

If you see fishing nets along Kauai's beaches, lodged in coral or

drifting in waters up to 30 feet deep offshore, from Kilauea Point to Makaheua Point or from Makaha Point to Mana Point, let us know. Report the locations to the Hawaii Sea Grant Derelict Fishing Net Hotline at (808) 956-2861. Mahalo!



**TESORO**

The abandoned fishing net removal project is part of Tesoro Hawaii's consent decree with federal and state government agencies to help restore Kauai's marine environment and compensate for any harm incurred to natural resources following its oil spill in 1998.

## LIST OF DIVE SHOPS

COMPANY	TITLE	FIRST NAME	LAST NAME	MAILING ADDRESS	CITY	STATE	ZIP		
							CODE	PHONE	FAX
Fathom Five Divers	Mr.	George	Thompson	3450 Poipu Road	Koloa	HI	96756	742-6991	742-9791
Watersports Adventures	Mr.	Greg	Winston					821-1599	
Hanalei Water Sports	Mr.	David	Takeda	Princeville Hotel, 520 Ka Haku Road	Princeville	HI	96722	826-7509	826-1126
Wet-N-Wonderful	Mr.	Chris	Norman	P. O. Box 840	Kapaa	HI	96746	822-0211	822-9762
Ocean Odyssey	Mr.	Ray	Frechette	4331 Kauai Beach Drive	Lihue	HI	96766	245-8681	335-5440
Sunrise Scuba Adventures	Mr.	Casey	Gough	1038 Kuitio Highway	Kapaa	HI	96746	822-7333	823-6515
Seasport Divers	Mr.	Marvin	Otsuji	2827 Poipu Road	Koloa	HI	96756	742-9303	742-6636
Mana Divers	Mr.	Ken	Lewis	4310 Waialo Road, Bay 3	Hanapepe	HI	96716	742-9849	335-0462
Bubbles Below Scuba Charters	Mr.	Ken	Bail	P. O. Box 157	Eleele	HI	96705	332-7333	332-0340



**TESORO**

Tesoro Hawaii Corporation  
733 Bishop Street, Suite 2800  
P.O. Box 3379  
Honolulu, Hawaii 96842-0001  
808 547 3111  
808 547 3145 Fax

September 18, 2001

Mr. George Thompson  
Fathom Five Divers  
3450 Poipu Road  
Koloa, HI 96756

Dear Mr. Thompson:

Next month, Tesoro Hawaii is planning to implement a derelict fishing net removal project. The project is part of a consent decree resulting from Tesoro's oil spill in August 1998. We are working in collaboration with representatives from federal and state government agencies on this important project.

The responses we have received from the Kauai business community have been very positive and supportive. Some have expressed interest in assisting with our net removal efforts and we appreciate the offer, but Tesoro has signed an agreement with contractors to perform the actual net removal. However, we would like your assistance in another area.

As stated in the consent decree, we are concentrating our efforts on the east side of Kauai, from Kilauea Point to Poipu, and on the west side of the island near Barking Sands. In the course of your dive tours, I would appreciate your assistance in identifying the locations of any large nets in these areas by calling the Hawaii Sea Grant Fishing Net Hotline at (808) 956-2861.

Enclosed is a flyer that you may post in your shop to inform your employees and customers about our project and how they can help in reporting the location of nets.

Thank you very much.

Sincerely,

F. David Hoffman, Jr.  
Environmental Affairs Manager



## HELICOPTER OPERATORS LIST

COMPANY	TITLE	FIRST NAME	LAST NAME	MAILING ADDRESS	CITY	STATE	ZIP CODE
Air Kauai, Inc.	Mr.	Chuck	DiPiazza	3651 Ahukini Rd.	Lihue	HI	96766
Bali Hai Helicopter Tours, Inc.	Mr.	James	Le	P. O. Box 626	Hanapepe	HI	96716
Heli USA Airways, Inc.	Mr.	Rich	Johnson	5-3541 Kuhio Highway	Princeville	HI	96722
Island Helicopters Kauai, Inc.	Mr.	Curtis	Lofstedt, Jr.	P. O. Box 831	Lihue	HI	96766
Jack Harter Helicopters, Inc.	Mr.	Jack	Harter	P. O. Box 306	Lihue	HI	96766
Ohana Aviation, Inc	Mr.	Bogart	Kealoha	P. O. Box 471	Lihue	HI	96766
Safari Aviation, Inc.	Mr.	Preston	Myers	P. O. Box 1941	Lihue	HI	96766
South Sea Helicopters, Inc.	Mr.	Dennis	Esaki	3901 Mokulele Loop, #32	Lihue	HI	96766
Will Squyres Helicopter Tours	Mr.	Will	Squyres	P. O. Box 1770	Lihue	HI	96766



**TESORO**

Tesoro Hawaii Corporation  
733 Bishop Street, Suite 2800  
P.O. Box 3379  
Honolulu, Hawaii 96842-0001  
808 547 3111  
808 547 3145 Fax

September 7, 2001

Mr. Chuck DiPiazza  
Air Kauai, Inc.  
3651 Ahukini Road  
Lihue, HI 96766

Dear Mr. DiPiazza:

Tesoro Hawaii, in cooperation with various federal and state agency representatives, will be undertaking an ambitious week-long project to locate and retrieve large derelict fishing nets which are stranded along Kauai's shorelines or lodged in coral reefs in near offshore areas.

Based on your overflights of Kauai's coasts, we would like to ask for your assistance and input in helping us locate any large, abandoned fishing nets that your pilots or personnel may have seen while flying on the eastern shores, from Kilauea Point to Poipu, and on the west side of the island in the Barking Sands area, from Makaha Point to Mana Point. You can report the specific location of any such large nets to the Hawaii Sea Grant Derelict Fishing Net Hotline at (808) 956-2861. That information will be made available to us in helping to locate nets and in implementing a plan to retrieve as many as are feasible within the scope of the project.

The net removal project is scheduled to begin in early October and is part of a consent decree resulting from Tesoro's oil spill in August 1998. The project is designed to help minimize damage to Kauai's coral reefs and to restore and rejuvenate the marine environments on Kauai which may have been adversely affected or threatened by the presence of such nets. We also believe that removal of as many nets as possible will serve to enhance Kauai's beauty and its attraction for visitors.

If you have any questions, please call me at (808) 547-3280.

Mahalo for your support.

Sincerely,

F. David Hoffman, Jr.  
Environmental Affairs Manager



**DONATE NOW ONLINE**  
**HAWAII COMMUNITY FOUNDATION**

**The September 11th Fund**

CLICK TO SUPPORT OUR SPONSORS

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# Honolulu Star-Bulletin

ONLINE ★ EDITION

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Tuesday, May 15, 2001



STAR-BULLETIN 7/1999

Francis Bacayo, Rosie Ross and Johnene Hallock cleared away marine debris from Kahuku Beach on Oct. 15, 1999. Today, a group of 22 Coast Guard volunteers cleaned up the beach.

---

## Groups urge alert eyes for errant fishnets

Star-Bulletin staff

If you see fishing nets and other marine debris, phone it in.

A new Derelict Fishing Net Hotline has been established to map where junk fishnets are turning up on the main Hawaiian Islands.

Marine debris has been studied (and then removed) from the Northwestern Hawaiian Islands, but until now no one has really pinpointed where the debris washes up on the populated islands. The debris is a hazard to sea life, especially endangered sea turtles, monk seals and seabirds.

Enter a new cooperative venture of the state Division of Aquatic Resources, Hawaii Sea Grant and the state Coastal Zone Management program. The work is being funded by a \$40,000 National Oceanic and Atmospheric Administration grant.

University of Hawaii geology graduate student Scott Godwin will be plotting the location of drift nets for a year and turning the study over to the Department of Land and Natural Resources.

Don't expect to phone in a net location and see it gone the next week, warned Godwin. It will be up to the department to figure out how to remove nets. But just locating where they wash ashore most frequently will help, in the long run, to solve the problem, he said.

To reach the hot line, call (808) 956-2861. The program also includes neighbor islands.

[E-mail to City Desk](#)

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**E-clip**

(808) 263-4094

Hon. Star-Bulletin  
Circulation: 71,418

SEP 07 2001

# Derelict nets around Kauai to be removed

*Tesoro Hawaii agrees to do the cleanup as penance for spilling oil that affected Kauai*

By Anthony Sommer  
tsommer@starbulletin.com

**LIHUE** >> Tesoro Hawaii has agreed to spend \$700,000 to clean up derelict fishing nets around Kauai as part of a consent decree settling a lawsuit stemming from a 1998 oil spill off Barber's Point.

The company spent about \$2.5 million cleaning up tar balls that came ashore on Kauai beaches after almost 5,000 gallons of oil leaked from a ruptured hose being used to unload a tanker Aug. 24, 1998. Prevailing currents carried the oil to Kauai.

Tesoro Hawaii does not admit any wrongdoing in the consent decree. The decree states the action is intended as compensation for damage to natural resources by the oil spill.

F. David Hoffman Jr., Tesoro Hawaii's environmental manager, said yesterday the company will hire contractors to

remove derelict nets from reefs and beaches on Kauai's east and west shores over a five-day period, probably in October.

An aerial survey has identified 130 abandoned nets, from fishing boats, that are entangled on the island. Another aerial survey will be conducted before the project begins. Representatives of state and federal agencies will decide which have priority for removal.

Kauai residents who know of derelict nets that may not yet have been identified have been asked to report them to the Hawaii Sea Grant Derelict Fishing Net Hotline at (808) 956-2861.

Derelict fishing nets, usually made of highly durable synthetic materials, pose a major hazard to turtles, marine mammals and fish. They frequently become entangled in coral fringing the shoreline or are partially buried on beaches after drifting hundreds or thousands of miles in ocean currents.

Both the lawsuit and the consent decree were filed in U.S. District Court in Honolulu. The plaintiffs were the state of Hawaii and the federal government.

**MEMORANDUM****Tesoro Hawaii Corporation**

TO: File

FROM: Dave Hoffman *FANJ*

DATE: September 21, 2001

SUBJECT: Derelict Net Public Outreach Log

On September 20, 2001, the following dive and fish shops were visited and provided with additional posters for distribution to their customers and operators. The owners were encouraged to solicit input from their customers and operators regarding the location of derelict fish nets along the eastern and western shores of Kauai.

COMPANY	CONTACT	ADDRESS	PHONE	FAX
Seasport	David Moore	4-976 Kuhio Hwy, Kapaa	823-9222	
Dive Kauai	Casey Gough	4-1038 Kuhio Hwy	822-7333	823-6515
Kauai Marine & Mower	Steve Thatcher	1337 Ulu St., Kapaa	823-0556	823-0558
Lihue Fishing Supply	Jean Nakamura	2985 Kalena St., Lihue	245-4930	
KONG Radio	Ron Wiley	4271 Halenani St., Lihue	246-9393	

FDH:ds

cc: Dennis Saito  
Nathan Hokama  
Mike Latham

SITE SAFETY & HEALTH PLAN  
FOR  
DERELICT NET REMOVAL PROJECT  
ISLAND OF KAUAI

Approval Page

Prepared By:

M. W. Latham                      4 October 2001  
Tesoro Hawaii Corporation                      Date

Approvals:

F. David Hoffman, Jr.                      5 Oct. 01  
F. David Hoffman, Jr.                      Date  
Tesoro Hawaii Corporation

John D. Naughton                      10 Oct 01  
John Naughton, NOAA                      Date  
National Marine Fisheries Service  
Federal Trustee

Elizabeth Galvez                      9 Oct 01  
Elizabeth Galvez, State of Hawaii                      Date  
Department of Health  
Hazard Evaluation and Emergency Response  
State of Hawaii Trustee

**SITE SAFETY & HEALTH PLAN  
FOR  
DERELICT NET REMOVAL PROJECT  
ISLAND OF KAUAI**

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**SITE SAFETY & HEALTH PLAN  
FOR  
DERELICT NET REMOVAL PROJECT  
ISLAND OF KAUAI**

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**A. PROJECT DESCRIPTION**

The goal of the derelict net removal project (the "Project") is to remove abandoned fishing nets from the general area where the Trustees observed impacts from Tesoro Hawaii's product release of 1998. The derelict net removal area includes the adjacent shoreline on Kauai out to a ten-meter depth from Kilauea Point to Makahuena Point (on the eastern shore) and from Makaha Point to Mana Point (on the western shore) – the "Work Area".

**B. SCOPE / APPLICATION OF PLAN**

Scope:

Personnel Safety is the main priority during any activities connected with the Project. This Site Safety and Health Plan (the "Plan") is intended to address safety and health concerns that may arise during the collection and removal of derelict fishing nets as may be found on shore or in the near shore environment, as a result of pursuing the Project.

Application:

The contents of this Plan apply to all Clean Islands Council (CIC) participating members, PENCO, their authorized contractors, subcontractors and Tesoro Hawaii personnel and any Trustee or regulatory agency personnel involved in any activity relating to the Project.

**C. SITE DESCRIPTION**

Incident Site: The Project site includes the adjacent shoreline on Kauai out to a ten-meter depth from Kilauea Point to Makahuena Point (on the eastern shore) and from Makaha Point to Mana Point (on the western shore) – the "Work Area".

Areas of operation include: The Work Area defined above, plus any and all additional personnel or equipment staging areas, personnel berthing areas, derelict net waste debris temporary storage areas, helicopter operations areas and the offshore ocean areas where vessels participating in the Project may be operating.

Surrounding Population: Residential, commercial, recreational and military.

Topography: Open ocean  
Ocean floor: Varies from sandy to heavy rock and coral formations  
Shoreline: Rocky or coral outcrop and sandy beaches

Other areas of Concern: Environmentally sensitive areas

**D. OPERATIONAL OBJECTIVES**

- Communicate with the public and seek input on derelict net locations
- Provide for the safety of responders and the general public
- Identify location of derelict nets
- Assess feasibility and priority for removal of derelict nets
- Minimize impact to environmentally sensitive resources during Project activities
- Dispose of collected net waste and debris in accordance with an approved Waste Disposal Plan

**E. DATES OF OPERATION**

This Site Specific Safety & Health Plan covers:

- The aerial survey to be conducted by helicopter on 8 or 9 October 2001; and
- The general Project work period from commencement (anticipated to be 9 or 10 October 2001) forward for an estimated 5 - 7 days, or until the Project is complete.

**F. PROJECT COMMAND ORGANIZATION**

Project Command will be located at the Aston Kaha Lani. All personnel will sign in and out of the daily briefings.

**PROJECT COMMAND:**

Project Commander	Dave Hoffman, Tesoro Hawaii Corporation
Deputy Project Commander	Mike Latham, Tesoro Hawaii Corporation
Federal Trustee	John Naughton, National Marine Fisheries Service
State Trustees	Elizabeth Galvez, State of Hawaii, Department of Health Don Heacock, State of Hawaii, Department of Land and Natural Resources
Safety Officer	Mike Latham, Tesoro Hawaii Corporation
Public Information Officer	Nathan Hokama, Tesoro Hawaii Corporation
Planning Section Chief	Kim Beasley, Clean Islands Council (CIC)
Logistics Section Chief	Kim Beasley, Clean Islands Council (CIC)
Finance Section Chief	Kim Beasley, Clean Islands Council (CIC)
Operations Section Chief	Dave Carter, Clean Islands Council (PENCO)
Nearshore Operations Group	Dave Carter – Group Supervisor Stanley Souza Larry Conklin Barry Bruhn
Offshore Operations Group	Randy Cates – Group Supervisor Vessel Captain Three Divers

## **G. SITE CONTROL**

1. Access to the immediate net collection areas should be restricted to authorized personnel only. In the event a media request for photographing/filming of the Work Area is made, the Group Supervisor shall promptly relay the request to the Project Commander or Public Information Officer.
2. Access to vessels involved in this operation will be controlled through normal operating procedures and the vessel Captains.
3. While it is not anticipated, decontamination, if necessary, will be controlled through restricted access.
4. Control will be accomplished at the Project Command Center by restricted access, personnel identification, and a daily briefing sign in/out roster.
5. No person shall enter a work site without being briefed on and subscribing to this Site Specific Safety and Health Plan.

## **H. TRAINING**

It is not anticipated that specialized HAZWOPER training will be required for this Project. Personnel participating in the onshore or offshore Work Areas will receive the appropriate daily safety briefing.

## **I. GENERAL SAFETY GUIDELINES**

During Project operations, response personnel should:

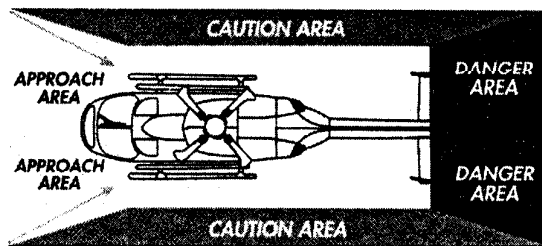
1. Make safety their first priority. **DO NOT** compromise safety for any reason.
2. Follow the Group Supervisor's instructions.
3. Know if safety and health hazards are present before entering a work site.
4. Be alert for hazardous conditions at a work site.
5. Watch out for fellow workers.
6. Set a good example for fellow workers.
7. Attend all required safety briefings.
8. Read all Safety Bulletins, as they may be issued.
9. Wear the personal protective equipment provided.

10. Check for safety devices on equipment and make sure those are operational.
11. Make sure equipment is in proper operating condition before using the equipment.
12. Use equipment properly and store the equipment safely after use.
13. Size up loads before lifting them; avoid lifting heavy equipment.
14. Avoid carrying loads that extend above eye level or otherwise obstruct vision.
15. Observe all warning signs.
16. Observe all site safety and health policies, practices and procedures.
17. Report injuries, illness and near misses when they occur so that they can be investigated and corrective actions promptly instituted.

## **J. POTENTIAL SAFETY HAZARDS**

The hazards that may be encountered during this operation are anticipated to be associated with the following:

### **Helicopter Operations:**



**ALWAYS APPROACH THE HELICOPTER FROM THE FRONT**

**NEVER APPROACH FROM THE DANGER ZONE!**

Safety standards should be the same, whether the helicopter's engines are running or shut down. To insure the safest operation, good habits should be established for working with the helicopter:

#### **ON THE GROUND:**

- Dress for the weather
- Don't smoke in or around the helicopter
- Stay well to the side of the helipad when the helicopter is arriving or departing
- Secure your clothing and headgear against rotor winds

- Protect your eyes against blown dust and particles
- Keep the helipad clear
- Wait for instructions to approach or leave the helicopter
- Approach and leave to the side or front in a crouched position - never by the rear of the helicopter
- If directed, wait until the rotors stop turning
- Approach and leave by the down slope side - for rotor clearance
- Carry gear firmly at your side, never over your shoulder or above your head
- Never throw items towards or out of a helicopter
- Load cargo carefully and secure it against movement
- Ensure baggage compartment doors are properly closed and latched
- Take a reserve of special medications you require in the event of enroute delays

#### IN THE HELICOPTER:

- Secure seatbelts (and shoulder straps, if provided) while in flight
- Use helmet or headset if provided
- Remain in your seat unless given permission to move
- Don't smoke unless given permission
- Do not distract the pilot during takeoff, maneuvering or landing
- Read instructions on the operation of doors, emergency exits, and the location of the ELT (emergency locator transmitter) and emergency equipment

#### DURING AN EMERGENCY:

- Follow instructions
- Do not distract the pilot
- Check that any loose gear in the cabin is secured
- Wear helmet if provided
- Remove eye glasses and put into your pocket (you might need them later)
- Assume brace position
  - Tighten seatbelt

- With shoulder straps, tighten and sit upright, knees together, arms folded across chest
- Without shoulder straps, bend forward so chest is on your lap, head on knees, arms folded under thighs

**AFTER AN EMERGENCY LANDING:**

- Wait for instructions to exit, or until rotor stops turning
- Assist others to evacuate well clear of the aircraft
- Remove first aid kit and other emergency equipment after no threat of fire
- Administer first aid if required
- Remove ELT, read instructions and activate
- Set up landing site to be as comfortable as possible
- Make the site as conspicuous as possible from the air
- Stay near the aircraft - don't wander away from the site

**Always remember that help is on its way**

**WHEN FLYING OVER WATER:**

- Listen carefully to the pilot's overwater pre-flight briefing
- Wear a lifejacket and/or immersion suit
- Know seatbelt fastening, tightening, releasing procedures
- Know the location and operation of doors and emergency exits
- Know the location and operation of the ELT
- During an emergency
  - obey the pilot's ditching instructions
  - remove tie, loosen collar
  - assume brace position when advised by the pilot
- Wait for instructions to exit, or until rotor stops turning
- After a ditching
  - establish a reference position
  - release seat belt
  - inflate lifejacket and life raft when clear of helicopter

## **Dehydration and Heat stress:**

The net removal operations contemplated for the Project can involve strenuous activities that lead to excessive sweating, especially in warm and humid conditions. This is particularly true when you are wearing protective clothing that may reduce your body's ability to discard excess heat. Heat is a potential serious hazard in response operations. Your body builds up heat when you work and sweats to get rid of extra heat. But sometimes your body may not cool off fast enough.

Too much heat can make you tired, hurt your job performance, and increase your chance of injury. You can get skin rash. You can also get:

1. Dehydration. When your body loses water, you can't cool off fast enough. You feel thirsty and weak.
2. Cramps. You can get muscle cramps from the heat even after you leave work.
3. Heat exhaustion. You feel tired, nauseous, headachy, and giddy (dizzy and silly). Your skin is damp and looks muddy or flushed. You may faint.
4. Heat stroke. You may have hot dry skin and a high temperature, or you may feel confused. You may have convulsions or become unconscious. Heat stroke can kill you unless you get emergency medical help.

Try to do these things to minimize the chances of heat stress:

1. Drink a lot of cool water all day— before you feel thirsty. Every 15 minutes, you may need a cup of water (5 to 7 ounces).
2. Keep taking rest breaks. Rest in a cool, shady spot. Use fans.
3. If not required to wear PPE, wear light-colored clothing, made of cotton. If you work in protective clothing, you need more rest breaks. You may also need to check your temperature and heart rate
4. Do the heaviest work in the coolest time of the day.
5. Work in the shade, if possible.
6. For heavy work in hot areas, take turns with other workers, so some can rest.
7. If you think someone has heat stroke, CALL emergency services (or 911). And move your co-worker to the shade, wipe his/her skin with cool water, and loosen his/her clothes. Use a piece of cardboard or other material to fan your co-worker.



### **Noise Exposure:**

Response equipment may generate high levels of noise. Noise can cause hearing loss, disrupt vital communications, cause annoyance, and otherwise impair performance. Earplugs and other types of hearing protection screen out higher noise frequencies and can actually improve your ability to understand voice communications under high noise conditions. A rule of thumb that you can use as an indication of an over exposure to noise is whether or not you can understand another person talking to you in a normal tone of voice from a distance of three feet. If not, you should wear proper hearing protection.

### **Lifting Hazards:**

During response operations, there may be many instances when you are called upon to lift and/or carry a heavy load, sometimes over rough or unstable terrain. If you are involved in such lifting or carrying activities, you should observe the following safe lifting practices:

1. Plan the lift.
2. Stand close to the load.
3. Check the weight of the lift; if it's too heavy, get help or use a lifting device.
4. Squat down and keep your back straight, knees bent, and stomach muscles tight.
5. Use a wide, balanced stance with one foot ahead of the other.
6. Grab the load firmly.
7. Stand up slowly lifting with your legs, not your back.
8. Keep your head and shoulders up and maintain the arch in lower back.
9. Move your feet to change direction; do not twist at the waist.
10. Avoid carrying loads that extend above your eye level.
11. Push, do not pull heavy objects.
12. Communicate with others involved in the lift.
13. Do not get under a suspended load.

### **Slips, Trips and Falls:**

Slips, trips and falls are a major cause of injury, both afloat and ashore. Oily surfaces are extremely slippery and it may be hazardous to walk through an oily area, even with slip-resistant boots. There can also be numerous obstacles on the decks of ships, shoreline protection and cleanup sites and equipment staging areas. When you are engaged in response

operations, you should:

1. Watch out for oil and/or wet surfaces.
2. Report and/or eliminate tripping hazards where possible.
3. When on a boat, use handrails and safety lines.
4. Keep both hands free while walking.
5. Be aware of where you are and what is going on around you at all times.
6. Before engaging in an activity, look around and make sure there is nothing in the way.
7. Never engage in horseplay.
8. Keep all walkways, platforms and work surfaces free of debris, tools, or any obstacles that could create a tripping hazard.

#### **Weather hazards:**

Operations at sea may be affected by deteriorating weather conditions. Personnel transfers between small craft should not be conducted if at sea significant wave height reaches 4 feet or more, or if wind speed reaches a sustained speed of 30 knots or greater. Personnel working on the shoreline or in the surf zone must be alert to waves and water conditions. Personnel should not work with their back to the sea. Be prepared for changing weather hazards. Daily weather forecasts should be monitored and briefed during daily safety meetings.

#### **Poisonous/infectious insects, bites, stings and plants**

Insect stings and marine stings and puncture wounds may be present hazards in the Work Area. Personnel should not touch insects or animals with their bare hands. Personnel should look before placing their hands or feet in crevices or cracks to avoid insects that may be hiding there. Personnel should report any insect bites or stings to their Group Supervisor.

Since mosquitoes can transmit diseases to humans, prevention of bites is important. Mosquitoes like to bite in the morning and afternoons, often indoors or in the shade. The mosquito that carries dengue fever, the *Aedes* species, is a day biter; so during daylight hours, in areas where mosquitoes are present, protect yourself by properly using anti-mosquito measures. These include wearing repellents, such as DEET (20-30% is safe and effective) and spraying clothing with permethrin (spraying mosquito nets and tents is important, too). Alternatives include Neem oil from India, which can be drunk as a tea or worn as a lotion. Avon's Skin-So-Soft is good, but wears off too quickly to be practical. Mosquito coils also work. Wearing clothing is usually a good idea, especially long sleeves and long pants. To keep from over-heating and from aggressive mosquito punctures one should wear loose-fitting clothes.

**K. GUIDELINES FOR VESSEL AND WATER SAFETY**

When boarding a vessel, you should:

1. Have your hands free of carried articles, so as to ensure good balance.
2. Become familiar with the layout of the boat.
3. Know where emergency equipment (e.g., fire extinguisher, life jackets, life rings, and life rafts) is stored.
4. Know how to use emergency equipment.
5. Have and wear a U.S. Coast Guard approved personal flotation device.
6. Wear proper clothing.

While you are on-board a vessel, you should:

1. Follow the instructions of the Captain as they relate to your actions on the vessel.
2. Follow the instructions of your Group Supervisor as they relate to the performance of your duties in the response effort.
3. Watch out for slippery deck surfaces, especially if they are covered or stained with oil.
4. Use sorbent pads to clean up oil and/or to improve traction along walkways.
5. Use safety lines when working on the deck.
6. Watch out for erratic boat motions in rough water.
7. Avoid taking medicines for seasickness if they make you drowsy.
8. Do not become distracted by the task at hand; know where you are and what is going on around you at all times.
9. Be aware of ropes and lines on deck; keep clear of lines while they are being deployed.
10. Wear gloves when working with ropes or cables to avoid burns and cuts.
11. Wear a life jacket at all times, unless work requirements prohibit such use and at the express permission of the vessel Captain.
12. Keep safety railings and/or chains in place until it is necessary to remove them to work; replace the railings and/or chains as soon as possible.

If you fall overboard into water, remember that your body will lose heat many times faster in the water than it would in the air, especially from your head, neck, armpits, and groin.

While you are in the water:

1. Orient yourself to any floating hazards that may be around you.
2. Move away from hazards if you are in danger; otherwise stay put until you are rescued.
3. Look for a floatation aid thrown from a vessel.
4. Avoid unnecessary movement of your arms and legs.
5. Float as still as possible, with your legs together, elbows close to your sides, and your arms folded across the front of your life jacket.
6. Try to keep your head and neck out of the water.
7. Do not panic.
8. Try to raise an alarm; if your life jacket has a light or whistle, use it.
9. Do not attempt to swim back to the vessel unless it is close at hand.

If you observe someone else fall overboard, you should:

1. Not take your eyes off the victim.
2. Point to the victim with your arm while you raise the alarm; notify others by calling "man overboard".
3. Throw a flotation aid to the victim; do not throw the device at the victim, but near enough to the victim that they can easily swim to the device.

If a person who has fallen overboard is rational but shivering when he/she is pulled on-board, have him/her remove their wet clothes, put on dry clothes or a blanket, and rest in a warm environment. If the victim is semiconscious or unconscious:

1. Check for breathing and heart beat; administer artificial respiration or CPR as necessary.
2. Move the victim to a warm environment.
3. Remove the victim's clothes; do not massage the skin.
4. Wrap the victim in a blanket to insulate the victim from further heat loss.
5. Do not attempt aggressive warming.

6. Gentle rewarming can be attempted by placing a bottle filled with warm water next to the victim's head, neck, armpits, or groin.
7. Do not give the victim anything to eat or drink; never offer alcohol.

**L. GUIDELINES FOR EQUIPMENT SAFETY**

The key to equipment safety is knowing how to operate a piece of equipment properly, and what the equipment's limitations and safety features are before you use it. If you are unsure, ask your Group Supervisor. Also, you should:

1. Observe all posted warning signs (e.g., "Hard Hat Area").
2. Know how to do your job the safest rather than the fastest way.
3. Use the protective equipment required for the job (e.g., safety glasses, hearing protection, hard hat, clothing, etc.).
4. Do not wear loose clothing or jewelry when operating equipment.
5. Familiarize yourself with the equipment's shut-off features.
6. Make sure all engines and electrically driven equipment is in proper operating condition, including ground wires.
7. Do not operate electrical equipment while standing in water.
8. Keep alert around moving equipment; understand and follow the signals of the equipment operator.
9. Never take unnecessary risks.
10. Work in a safe manner.
11. Move away from equipment if it poses a threat to your safety and/or health.
12. Never engage in horseplay, practical joking, or scuffling while using or working around equipment.
13. Keep all places of work and surroundings as clean as conditions permit.
14. Keep tools in their place, rubbish disposed of, idle equipment out of the way, and walkways clean.
15. Immediately report any unsafe acts committed by fellow crewmembers to your Group Supervisor.
16. Retreat to a safe location when unusual strains or loads are placed on equipment.

17. Use walkways and steps where provided; do not take short cuts.

**M. GUIDELINES FOR VEHICLE SAFETY**

When you are operating a vehicle, you should:

1. Carry a valid driver's license.
2. Wear a seat belt.
3. Familiarize yourself with a vehicle's equipment and operation.
4. Keep all windows clean and unobstructed.
5. Use the headlights when appropriate.
6. Observe all of the rules of the road, including posted speed limits. Driving at the maximum posted speed limit may be too fast for safety in some situations. Therefore, you should use your judgment to ensure that the vehicle proceeds at a pace suitable to condition of the vehicle itself, the road, traffic and weather.
7. Report any vehicle accident as soon as possible to your Group Supervisor.
8. Report any defect that affects the safe operation of the vehicle.
9. Practice courteous and defensive driving by looking out for other vehicles, heavy equipment and pedestrians.
10. Never engage in horseplay, practical jokes, or scuffling while operating or seated in a vehicle.
11. Do not allow any person(s) to ride in a vehicle unless adequate facilities for transporting passengers are provided.
12. The operator of the vehicle shall not use hand held cellular telephones or radios while driving the vehicle.

**N. GUIDELINES FOR PERSONAL HYGIENE AND SANITATION**

Good personal hygiene practices are essential to maintaining a good state of health during response operations. You should not allow the nature of the work to lead you into forsaking basic personal hygiene considerations. The following personal hygiene and sanitation guidelines are recommended during the course of response operations.

1. Take a daily shower, including hair shampoo, before reporting to work.
2. While showering, check for unusual rashes, cuts, infections, etc.

3. Report any unusual condition to your Group Supervisor.
4. On sunny days, apply protective sunscreen (SPF 15 or greater) to exposed skin areas.
5. Use a barrier cream on your hands before putting on protective gloves.
6. If your skin becomes contaminated with oil, report to a decontamination area and wash the affected area thoroughly with soap and water.
7. If oil gets into your eyes, report to a decontamination area and rinse your eyes for at least 15 minutes with clear water; seek medical care if needed.
8. If you are injured or become ill at the work site, report to your Group Supervisor without delay.
9. Do not touch food or a glass containing liquid with oily gloves or hands.
10. Do not track debris, oil or other chemicals into "clean" areas.
11. Do not litter while on the work site.
12. Check all toilet facilities to ensure they are clean and sanitized on a regular basis; report any unhealthy conditions to your Group Supervisor.
13. Keep the change room clean and orderly.
14. Dispose of garbage and refuse in a sanitary manner.
15. Properly cover water coolers or cans.

**O. PERSONAL PROTECTIVE EQUIPMENT (PPE)**

The following comments are meant to serve as general guidelines as to appropriate PPE. The Group Supervisor overseeing the work, in order to meet task requirements, may modify these guidelines as necessary.

- |    |                   |  |
|----|-------------------|--|
| 1. | General           | Appropriate safety foot wear, anti-glare safety glasses, sturdy work gloves, sun hat, and sunscreen          |
| 2. | On Vessel decks   | Life jacket (PFD or work vest); appropriate safety foot wear; anti-glare safety glasses, sun hat, sun screen |
| 3. | Suspended weights | Safety footwear (steel toe), anti-glare safety glasses, sturdy work gloves, hardhat, and sunscreen           |
| 4. | Specific Task     | Related PPE as prescribed by Group Supervisor  |

## P. EMERGENCY PROCEDURES

1. General In all cases when an onsite emergency occurs, personnel shall not resume work until:
  - the condition resulting in the emergency has been investigated by supervisory personnel, and has been corrected;
  - hazards have been reassessed; and
  - site personnel have been briefed on any changes in the operation and site safety plan.
  
2. Emergency Medical Procedures.
  - Do not attempt to move seriously injured personnel, call for an ambulance to come to the injured person.
  - The hospitals for emergencies are Wilcox Memorial at Lihue and the West Kauai Medical Center at Waimea.
  
3. Emergency Fire Procedures.
  - Do not attempt to fight fires other than small fires. A small fire is generally considered to be a fire in the early stages of development, which can readily be extinguished with personnel and equipment in the immediate area in a few minutes time.
  - Do not take extraordinary measures to fight fires.
  - You must sound the appropriate fire signal if fire cannot be put out quickly.
  - Alert nearby personnel to call fire department.
  - Notify Group Supervisor.
  - When the fire alarm is sounded, personnel shall immediately leave the Work Area to the predesignated assembly point by the designated evacuation route
  - The Site Safety Supervisor or the Fire Department shall ensure that the fire is extinguished and a temporary fire watch has been posted before restarting work.
  
4. Evacuation.

Evacuation from vessels will be as stipulated in the vessel's emergency evacuation plan, or as directed by the Captain.

Evacuation from shore based operations will be as stipulated in each site's evacuation plan, or as directed by the senior supervisor present. All personnel working at the site will be briefed on these routes via the safety briefings.



**Q. COMMUNICATIONS.**

1. Radio and telephone communications:

Refer to the Net Removal Project Communication Plan.

2. Phone communications:

National Weather Service	Lead Forecaster 973-5280
National Response Center:	1-800-424-8802
Coast Guard Group Honolulu:	Duty Officer 541-2491
Police:	911
Fire:	911
Ambulance/EMT/Hospital:	911
Wilcox Hospital	245-1100
Kauai Medical Center	338-9431

3. Reporting Near Miss and Injury Incidents

The Project Commanders and/or Section Chiefs listed on page 8 of this Plan should be immediately notified of all Near Miss and Injury Incidents. A written incident report must be completed within 24 hours by the injured person's Project work supervisor. Contractors may use their own internal Incident Report forms for this purpose.

The Project Commanders listed on page 8 of this Plan are responsible for ensuring that the Safety Briefings/Meetings described in section P. of this plan are conducted prior to each operational period. A roster of attendees and a brief description of topics discussed must be documented.

**R. SITE SAFETY BRIEFINGS/MEETINGS.**

1. Site Safety Meetings - Site safety meetings and briefings are helpful tools for implementing the SSSHP and maintaining safety on the site. The objectives of such meetings include: passing on SSSHP changes and discussing procedures, PPE and other controls. It is the responsibility of the Group Supervisors to conduct an initial safety briefing and daily safety briefings ("tailgate" talks) with all personnel involved in onsite operations.
2. All CIC, PENCO, and TESORO Hawaii Corporation employees, contractors, and subcontractors shall be provided with an initial site safety briefing to communicate the nature, level and degree of hazards expected on site.
3. All CIC, PENCO and TESORO Hawaii Corporation employees, contractors, and subcontractors will also receive regular briefings before and after each shift and when significant changes are made in the work procedures or safety plans. The Site Supervisor shall hold these site safety meetings/briefings. At a minimum these

meetings will describe the work to be accomplished, discuss safety procedure changes, and note any items, which need to be passed to other crews. General safety training topics should also be covered based on points raised in previous meetings and the site safety plan attachments.

**S. DIVING/SWIMMING OPERATIONS**

This Site Safety and Health Plan does not address any safety risks associated with diving/swimming operations. Any diving/swimming operations conducted in support of the Project will be under the absolute control and direction of the Group Supervisor in charge of the offshore portions of the Project.

**T. SITE SAFETY OFFICER.**

The Site Safety Officer for this plan is: Mike Latham, TESORO Hawaii Corporation.

The responsibilities of the Site Safety Officer include (but are not limited to):

- coordination of all safety and health concerns for the incident operation;
- keeping this plan current; and
- liaison with site Supervisors.

# INCIDENT ACTION PLAN

## Waste Recovery & Disposal Plan

Project Name: **Kauai Net Removal Project**



Date Plan Prepared: October 9, 2001

Time: 9:30

Operational Period: Beginning  
Ending

4-Oct-01  
16-Oct-01

06:00 Thursday  
24:00 Tuesday

Approvals: FOSC Representative

*John P. Knight*

SOSC Representative

*Stephen J. Pauling*

Responsible Party Representative

*F.A. H. [Signature]*

This Waste Disposal Plan serves as a guideline for the approved waste disposal of collected derelict waste streams from the shoreline of Kauai. This waste stream is not oiled and not considered to be hazardous waste. It is the intent of this plan to recycle this material.

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# WASTE RECOVERY & DISPOSAL PLAN

10-Oct-01

Incident Name: **Kauai Net Removal Project**

Originating Section: Planning - Environmental

Operational Period: beginning 4-Oct-01 06:00 Thursday  
ending 16-Oct-01 24:00 Tuesday

Safety Message: When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power cutting tools requires the use of safety glasses. Be careful around the surf zone as this is high risk area for slips and falls.

Group: **Waste** Supervisor: Kim Beasley

The following constitutes the Waste Disposal Plan for the Kauai net removal project. The intent of the Project is to locate, cut into "bite size" pieces and remove derelict fishing nets from the coastal zone of Kauai. The nets are not oiled and are not considered to be hazardous waste. By agreement between Tesoro and the responsible Trustees the nets will be removed from Kauai and brought to Oahu for recycling. The net material will be weighed for documentation purposes.

- Step 1** Locate, cut and bundle found derelict fishing nets. Transport the bundles from location to Nawiliwili Harbor for shipping transport to Oahu.
- Step 2** Using a Matson approved drayage company, such as DHX or equivalent, transport the shipping containers to Horizon Recycling Center at 209 Puuhale Road in Mapunapuna
- Step 3** Assist Horizon in unloading the containers. Horizon will bundle the material and transport the banded material to a scale for weighing, and then to the recycler.

## RESOURCES

Position	Name	Equipment
PENCO	Dave Carter	2 Pick up trucks 4 Personnel 1 Boom truck
Safety Boats Hawaii	Randy Cates	1 32 ft boat 5 personnel 1 jet ski

prepared by: Kim Beasley & Mike Latham

Signature: \_\_\_\_\_

**FIELD ASSIGNMENTS**1-Oct-01  
9:30Incident Name: **Kauai Net Removal Project**

Originating Section: Planning - Environmental

Operational Period: beginning 4-Oct-01 06:00 Thursday  
ending 16-Oct-01 24:00 TuesdaySafety Message: When cutting derelict nets and using cutting tools, be careful not to cut yourself.  
Using power cutting tools requires the use of safety glasses.  
Be careful around the surf zone as this is high risk area for slips and falls.Group: **Wasted Disposal** Supervisor: Kim Beasley**Tasks:** Follow approved Waste Recovery & Disposal Plan

Identify and locate derelict nets along the coastal zone areas of Kauai

Cut and bundle the nets in two man lift size packages.  
Packages should be bundled using plastic (polypropylene) rope and/or plastic safety fencing.

Transport these bundles from the beach to a Harbors Division designated area in Nawiliwili. Load the bundles into the containers provided for shipping back to Oahu. Transport containers to scales at Brewer for weighing and return to Young Brothers for transport to Honolulu.

In Honolulu, arrange for transport to Horizon Recycling Center, 209 Puuhale Road, Honolulu, Hawaii. Assist in unloading the containers at Horizon. Horizon will bale the nets. Transport the bales to the recycling yards.

**RESOURCES**

<b>Position</b>	<b>Name</b>	<b>Equipment</b>
PENCO	Dave Carter	Containers (from Matson) 2 Pickup Trucks 1 Boom Truck 1 Box Truck 1 Flat bed (if required). 5 personnel

prepared by: Kim Beasley &amp; Mike Latham

Signature: \_\_\_\_\_

**TESORO**

Tesoro Hawaii Corporation  
733 Bishop Street Suite 2700  
P.O. Box 3379  
Honolulu, Hawaii 96812-0001  
808 547 3111  
808 547 3145 Fax

June 28, 2001

Mr. Gilbert Coloma-Agaran  
Chairperson  
State of Hawaii  
Department of Land and Natural Resources  
1151 Punchbowl Street  
Honolulu, Hawaii 96813

Dear Mr. Coloma-Agaran:

Commencing in September, 2001 Tesoro Hawaii Corporation ("Tesoro Hawaii"), with the concurrence and participation of designated federal and state trustees, will initiate a Net Removal Project (the "Project") on the Island of Kauai. The Project will be conducted in accordance with an approved Natural Resources Restoration Plan arising out of the Tesoro Hawaii oil spill which occurred on August 24, 1998. The Project is aimed at locating and removing abandoned fishing nets along the shoreline and offshore areas (to a 10 meter depth) on the east and west coasts of Kauai. The work area on the Island of Kauai extends from Kilauea Point to Makahuena Point and from Makaha Point to Mana Point. A more extensive project description is included in Attachment A.

The scope of the Project will include:

- A community outreach program to solicit public input to aid in locating abandoned nets;
- Using the information obtained in the outreach effort, an aerial survey will be conducted to locate nets and access points to reach those nets;
- The removal of identified fishing nets from shoreline, near shore (intertidal and supratidal areas) and offshore locations; and
- The delivery of collected nets and associated debris to a designated waste disposal site.

The Project includes provisions for an offshore work team consisting of a boat, crew and divers; and a shoreline work team consisting of a vehicle (medium- to heavy-duty 4 X 4 truck) and four to six personnel, with additional support resources as required. The net removal portion of the Project is expected to have a duration of no more than seven (7) days.

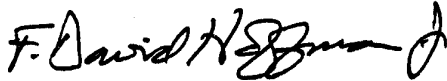
Mr. Gilbert Coloma-Agaran  
June 28, 2001  
Page 2

Tesoro Hawaii respectfully requests that the Department of Land and Natural Resources initiate a planning review to identify those permits, licenses or other approvals necessary for Tesoro Hawaii or its authorized contractors to perform the scope of work outlined above. If permits, licenses or approvals are deemed necessary for such activities as landing a helicopter on a beach or shore, gaining access to a beach or shore across state lands, driving and working on the beach or shore, staging equipment on a beach or shore or using a beach or shore as a temporary storage and net debris transfer area, then it is hereby requested that your office grant such permits, licenses or approvals as are determined to be needed.

If you require additional information, please call Mike Latham at 547-3179.

Sincerely yours,

Tesoro Hawaii Corporation



By F. David Hoffman, Jr.  
Its Manager - Environmental Affairs  
and Emergency Preparedness

bcc: David Leonard  
Dennis Saito  
Mike Latham  
Nathan Hokama  
Susan Kusunoki



**TESORO**

Tesoro Hawaii Corporation  
733 Bishop Street Suite 2700  
P.O. Box 3379  
Honolulu, Hawaii 96842-0001  
808 547 3111  
808 547 3145 Fax

June 28, 2001

Mr. George Young  
Regulatory Branch  
U.S. Army Corps of Engineers  
Building 230  
Fort Shafter, Hawaii 96858-5440

Dear Mr. Young:

Commencing in September, 2001 Tesoro Hawaii Corporation ("Tesoro Hawaii"), with the concurrence and participation of designated federal and state trustees, will initiate a Net Removal Project (the "Project") on the Island of Kauai. The Project will be conducted in accordance with an approved Natural Resources Restoration Plan arising out of the Tesoro Hawaii oil spill which occurred on August 24, 1998. The Project is aimed at locating and removing abandoned fishing nets along the shoreline and offshore areas (to a 10 meter depth) on the east and west coasts of Kauai. The work area on the Island of Kauai extends from Kilauea Point to Makahuena Point and from Makaha Point to Mana Point. A more extensive project description is included in Attachment A.

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- The delivery of collected nets and associated debris to a designated waste disposal site.

The Project includes provisions for an offshore work team consisting of a boat, crew and divers; and a shoreline work team consisting of a vehicle (medium- to heavy-duty 4 X 4 truck) and four to six personnel, with additional support resources as required. The net removal portion of the Project is expected to have a duration of no more than seven (7) days.

Tesoro Hawaii respectfully requests that the Army Corps of Engineers grant a letter of permission or such other necessary approval for



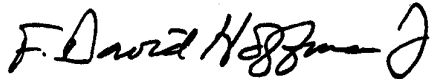
Mr. George Young  
June 28, 2001  
Page 2

Tesoro Hawaii or its authorized contractors to perform the scope of work outlined above.

Tesoro Hawaii hereby respectfully requests permission to conduct the above-described work. Thank you in advance for your consideration. If you require additional information, please call Mike Latham at 547-3179.

Very truly yours,

Tesoro Hawaii Corporation

A handwritten signature in black ink, appearing to read "F. David Hoffman, Jr.", written in a cursive style.

By F. David Hoffman, Jr.  
Its Manager - Environmental Affairs  
and Emergency Preparedness

bcc: David Leonard  
Dennis Saito  
Mike Latham ✓  
Nathan Hokama  
Susan Kusunoki



**DEPARTMENT OF THE ARMY**  
**U. S. ARMY ENGINEER DISTRICT, HONOLULU**  
**FORT SHAFTER, HAWAII 96858-5440**

REPLY TO  
ATTENTION OF

July 10, 2001

Regulatory Branch

Mr. F. David Hoffman, Jr.  
Manager, Environmental Affairs  
and Emergency Preparedness  
Tesoro Hawaii Corporation  
733 Bishop Street, Suite 2700  
Honolulu, Hawaii 96842-0001

Dear Mr. Hoffman:

This letter responds to your request for a letter of permission for your net removal project on Kauai, dated June 28, 2001. Based on the information you provided I have determined that a Department of the Army (DA) permit will not be required for this project. Since there will be no dredging, filling, permanent or temporary construction or structures placed in the water, this activity is not within our jurisdiction to regulate.

You are advised however, that there may be other Federal, State of Hawaii or Kauai County authorizations which must be obtained for the project.

If you have any questions concerning this determination, please contact William Lennan of my staff at 438-6986 or FAX 438-4060, and reference File No. 200100403.

Sincerely,

A handwritten signature in cursive script, appearing to read "George P. Young".

George P. Young, P.E.  
Chief, Regulatory Branch

LAW OFFICES OF

WALTON D.Y. HONG

WALTON D.Y. HONG

TELEPHONE (808) 245-4757

TELECOPIER (808) 245-5175

LORNA A. NISHIMITSU

ATTORNEY AT LAW  
A Law Corporation  
3135-A AKAHI STREET  
LIHUE, KAUAI, HAWAII 96766

RECEIPT


Receipt is hereby acknowledged from Walton D. Y. Hong, of a key to the main gate to Parcel 1, Hanamaulu, Kauai, Hawaii.

The undersigned agrees that the key will be used only for the purpose of allowing access to the shoreline for the removal of fishing nets and other ocean debris as part of a settlement condition with Tesoro, and for no other purposes.

The undersigned will not permit any copies to be made of the key, and shall return the key to Walton D. Y. Hong, A Law Corporation, upon completion of the work.

Access to the property is allowed upon the representation by the undersigned that the entity responsible for the program has liability insurance, and that the owner of the property will be not liable for injury, death or other damage while on the property.

Dated: October 10, 2001.



Liz Galvez  
State of Hawaii Department of Health

Address: HI / DOH / HEER  
919 Ala Moana Blvd., Rm 206  
Honolulu, HI 96814

## KAUAI DERELICT NET REPORT

### PRELIMINARY SHORLINE/NEARSHORE SURVEY:

Date of Aerial Survey: 20 September 2001

### SURVEY AREA:

The derelict net survey area included the adjacent shoreline on Kauai out to a ten-meter depth from Kilauea Point to Makahuena Point (on the eastern shore) and from Makaha Point to Mana Point (on the western shore) – the "Work Area".

### SURVEY TEAM:

Don Heacock, State of Hawaii, Department of Land and Natural Resources  
John Naughton, NOAA, National Marine Fisheries Service  
Kim Beasley, General Manager, Clean Islands Council  
Mike Latham, Oil Spill Prevention Administrator, Tesoro Hawaii Corporation  
Rod Stone, Pilot, Sandstone Helicopters  
Grey Hobbins, Co-pilot/Video Camera Operator, Sandstone Helicopters

### EQUIPMENT:

Sandstone Helicopters in Honolulu provided the helicopter used for the survey flights. The helicopter was a seven passenger, turbine powered Bell 407, with global positioning system (GPS) instrumentation installed. Fixed video recording equipment also was installed for this survey. The video equipment was controlled by a dedicated video operator (helicopter copilot), and had zoom capabilities. The videotapes resulting from the survey flights will be provided to Clean Islands Council, for further distribution.

### WEATHER:

The weather during the observation period (approximately 0945 to 1300) was sunny and clear, with visibility in excess of 10 miles; winds were out of the northeast (moderate trades) at 10 – 20 mph; temperatures were in the mid- to upper-80s. Isolated showers on Kauai did not impact the survey activities.

Water visibilities in the majority of the designated west shore work area adjacent to the Kauai shoreline was in excess of 30 feet. However, in certain east shore areas the bottom was obscured by waves and breaking surf, and moderate turbidity limited clear viewing of the bottom from Kealia Beach north for approximately 3 to 4 miles.

### SURVEY FLIGHTS:

Two preliminary survey flights were conducted on September 20, 2001. Both flights originated at Lihue International Airport (LIH - 21 ° 58.89' N, 159 ° 20.52' W), Lihue, Kauai County,

## **KAUAI DERELICT NET REPORT**

Page 2

Hawaii 96766. The first flight lifted off at 0945 (all times are approximate) and returned at 1150, and the second flight took off at 1230 and returned at 1330. The shoreline observations were carried out at a target altitude of 100 feet, but this was increased to 500 feet in the areas where helicopter noise or traffic might impact sensitive wildlife.

### **SURVEY FLIGHT 1:**

The first preliminary survey flight departed Lihue airport at 0945 and proceeded in a generally northerly direction, covering the eastern shoreline of Kauai. The flight traversed Ahukini State Park, Kawailoa, Nukolii Beach, Wailua Golf Course, Lydgate Park, Wailua, Waipouli, Kapaa, Kealia Beach, Paliku Point, Ahihi Point, Kahala Point, Papaa Bay, Moloaa Bay, Pakala Point, Keilua Point, Mokolea Point and arrived at the southern edge of the Kilauea National Wildlife Refuge at 1055.

Upon arrival at the Kilauea National Wildlife Refuge (the northern terminus of the east shore work area), the survey flight reversed course and retraced the outbound route, moving south. The return flight also was made further offshore (approximately 100 – 150 feet beyond the surf line) to improve the observers' chances of spotting derelict fishnets in the ten-meter depth environment.

When the survey helicopter had returned to its starting point at Lihue Airport, the survey continued in a southerly direction. Moving southerly, the flight traversed Opoi, Ninini Point (Nawiliwili Harbor Light), Nawiliwili Harbor and jetties, Carter Point, Kawai Point, Kuahonu Point, Kawelikoia Point, Paoo Point, Kamala Point and arrived at Makahuena Point (the southern terminus of the east shore work area) at 1138. As previously, the helicopter retraced the outbound flight path in the reverse direction and returned to the Lihue Airport at 1150.

### **SURVEY FLIGHT 2:**

After being refueled at the Lihue Airport, the survey team departed the Lihue Airport at 1230. The helicopter proceeded to the west side of Kauai to commence the derelict net survey in the western work area. The survey track intercepted the western shoreline of Kauai at Kekaha at 1242, and then proceeded in a clockwise direction, passing Kekaha Beach Park, Kokole Point, the Pacific Missile Range Facility (PMRF - Barking Sands), Mana Point (the southern terminus of the west shore work area), Nohili Point, Polihale State Park and arriving at Makaha Point (the northern terminus of the west shore work area), at 1300. Per the procedure adopted for flight #1, the helicopter reversed course and retraced the outbound route of flight, arriving back at Lihue Airport at approximately 1323.

## **KAUAI DERELICT NET REPORT**

Page 3

### **GENERAL OBSERVATIONS:**

#### **EAST SHORE:**

As one might expect, given the prevailing weather and sea conditions around Kauai, the east shoreline survey produced many more derelict net sightings than the west shoreline survey.

The nets on the east shoreline were distributed randomly throughout the work area, but they also were bunched in certain areas. Heavier concentrations of nets were observed in the vicinity of The Beach Boy Hotel, the northern end of Kealia Beach and north for approximately 200 meters, the northern area of "Donkey Beach" (south of Ahihi Point), the shoreline from Ahihi Point north to Kahala Point, and the shoreline from Papaa Bay north to Moloaa Bay.

#### **WEST SHORE:**

The survey of the west shoreline turned up some derelict nets, but nothing of the magnitude observed on the east shoreline survey. Derelict nets were observed beginning at the south end of the PMRF runways and continuing northwest to just north of Mana Point. All of the derelict nets sighted, with the exception of two small net fragments, are on PMRF military reservation property and are outside of the scope of the proposed Tesoro Hawaii net removal project.

#### **NEAR SHORE:**

Aerial viewing conditions were good (ample sunlight, clear water), but no derelict nets were observed in the near shore environment, that is, the area from the breaking waves on the shoreline out to the ten-meter depth.

Prepared by: Mike Latham  
Oil Spill Prevention Administrator  
Tesoro Hawaii Corporation

Date: 28 September 2001

**KAUAI NET REMOVAL PROJECT  
PRELIMINARY SHORELINE/NEARSHORE SURVEY**

<b>EAST SHORE WORK AREA</b>				<b>GPS Position</b>		<b>Comments</b>
<b>Line Item</b>	<b>Time</b>	<b>Location</b>	<b>Latitude</b>	<b>Longitude</b>		
1	0945	Lihue Airport	21° 58.89' N	159° 20.52' W	Lit off from Lihue Airport, commence net survey.	
2		Radisson Hotel	22° 00.77' N	159° 20.19' W	Small net cluster jus; prior to hotel and golf course. Sandy shoreline, good access.	
3		Wailua Golf Course			Small, scattered net remnants.	
4		Lydgate State Park			Small, scattered net remnants.	
5		Wailua Bay			Small, scattered net remnants.	
6	1018	Beach Boy Hotel	22° 03.21' N	159° 19.51' W	Large net cluster in front of hotel. Sandy shoreline, good access.	
7	1020	Adjacent to Bullshied Restaurant	22° 03.54' N	159° 19.13' W	Large bundle of net.	
8	1021	Adjacent to Bank of America			Large net remnant up in the grass.	
9	1022	North of Matsuda store			Small net in area.	
10	1023	Scenic lookout at Kealia Beach	22° 05.26' N	159° 18.40' W	Good access to area from cane haul road.	
11	1023	Jus; further north from scenic lookout at Kealia Beach			Clump of small nets.	
12	1024	Further north from north end of Kealia Beach	22° 05.96' N	159° 18.09' W	Large concentration of net clusters.	
13	1026	200 meters north of Kealia Bay	22° 06.08' N	159° 17.99' W	Net cluster.	
14	1027	Donkey Beach	22° 06.41' N	159° 17.75' W	Large net next to pier.	
15	1029	North end of Donkey Beach	22° 06.97' N	159° 17.73' W	Large concentration of net clusters.	
16	1030	North of Donkey Beach	22° 07.29' N	159° 17.69' W	Large concentration of net clusters.	
17	1030	Further north of Donkey Beach	22° 07.40' N	159° 17.57' W	Large net on shoreline.	

**KAUAI NET REMOVAL PROJECT  
PRELIMINARY SHORELINE/NEARSHORE SURVEY**

<b>EAST SHORE WORK AREA</b>				<b>GPS Position</b>		<b>Comments</b>
<b>Line Item</b>	<b>Time</b>	<b>Location</b>	<b>Latitude</b>	<b>Longitude</b>		
18	1030	Between Anapalau Point and Pohakuloa Point	22° 07.44' N	159° 17.56' W	Large net, with white float, on shoreline.	
19	1033	Vicinity of Pohakuloa Point	22° 07.60' N	159° 17.55' W	Large net remnant on beach.	
20	1033	In area of Ka Laulau	22° 07.81' N	159° 17.64' W	Some net clusters. Rocky shoreline, very difficult access.	
21		North of Ka Laulau	22° 08.01' N	159° 17.65' W	Large concentration of net clusters. Rocky shoreline, very difficult access.	
22	1035	Vicinity of Lae Lipoa	22° 08.26' N	159° 17.61' W	Large seal basking on beach, helicopter gained altitude, seal displayed no agitation.	
23		North of Lae Lipoa	22° 08.29' N	159° 17.57' W	Some net clusters on shoreline.	
24	1036	Vicinity of Opana Point	22° 08.39' N	159° 17.60' W	Large net remnant on shoreline.	
25		South of Kohala Point	22° 08.63' N to 22° 08.69' N	159° 17.61' W to 159° 17.64' W	Scattered clusters of net remnants. Large net 1/4 mile south of Kohaha Point.	
26	1038	Kohala Point	22° 08.73' N	159° 17.65' W	Much debris and scattered net remnants in the vicinity of Kohala Point.	
27	1040	Aliamanu Point	22° 08.84' N	159° 17.88' W	No net sightings within the bay itself, but small net on Aliamanu Point.	
28	1041	South of Papa'a Bay	22° 09.04' N	159° 18.39' W	Nets buried under the sand in this area	
29	1043	General area of Papa'a Bay	22° 10.26' N to 22° 10.56' N	159° 18.63' W to 159° 18.72' W	Scattered net remnants along the shoreline in this area.	
30	1045	North of Papa'a Bay	22° 11.03' N	159° 18.64' W	Large net on shoreline.	
31		North of Papa'a Bay	22° 11.08' N	159° 18.78' W	Large net on shoreline.	



**KAUAI NET REMOVAL PROJECT  
PRELIMINARY SHORELINE/NEARSHORE SURVEY**

<b>EAST SHORE WORK AREA</b>									
Line Item	Time	Location	GPS Position		Comments				
			Latitude	Longitude					
32	1046	South of Moloa'a Bay	22° 11.82' N	159° 19.90' W	Large net on shoreline. Many scattered net remnants between Papa'a and Moloa'a Bays. Very poor and limited access to shoreline, steep cliff and rocky outcroppings, rocky shoreline.				
33		Vicinity of Pakala	22° 12.11' N	159° 19.98' W	Large clump of net on rocky shore.				
34	1048	Pakala Point	22° 12.18' N	159° 20.05' W	Large clump of net on rocky shore.				
35	1049	North of Pakala Point	22° 12.54' N	159° 20.49' W	Large clump of white net on beach, sandy shoreline.				
36	1050	Vicinity of Larson's Beach	22° 12.78' N	159° 20.88' W	Large cluster of net remnants.				
37	1051	Vicinity of Pila'a Stream (Kela Point)	22° 12.92' N	159° 22.10' W	Some net clusters in area.				
38		Vicinity of Kilauea Bay	22° 13.03' N	159° 22.90' W	Large red net on the shore.				
39	1055	South edge of Kilauea Point wildlife refuge			North terminus of east shore work area. Survey team reverse course and retrace route south.				
40	1115	Lihue Airport	21° 58.89' N	159° 20.52' W	Commence east shore survey from Lihue Airport south to Makahuena Point.				
41		Vicinity of Lihue Airport and north of Opoi	21° 59.12' N	159° 20.00' W	3 - 4 net cluster on shore				
42		Between Opoi and Kamilo Point	21° 58.81' N to 21° 58.17' N	159° 19.98' W to 159° 19.84' W	Various size clusters of nets in this area, on shore and caught up in rocks above the tide and surge line.				
43		Ninini Point	21° 57.40' N	159° 19.93' W	Cluster of nets at base of lighthouse.				
44	1122	Nawiliwili Harbor breakwater	21° 56.94' N	159° 20.99' W	Small net caught on breakwater.				
45		Between Nawiliwili Harbor breakwater and Carter Point	21° 56.87' N	159° 20.84' W	Cluster of nets, medium size bunches.				
46	1124	South of Kawai Point	21° 55.77' N	159° 21.84' W	One small net remnant on shoreline.				
47	1130	Area of Kipu Kai	21° 54.40' N	159° 23.31' W	Some small clusters of nets on west end of Kipu Kai beach.				

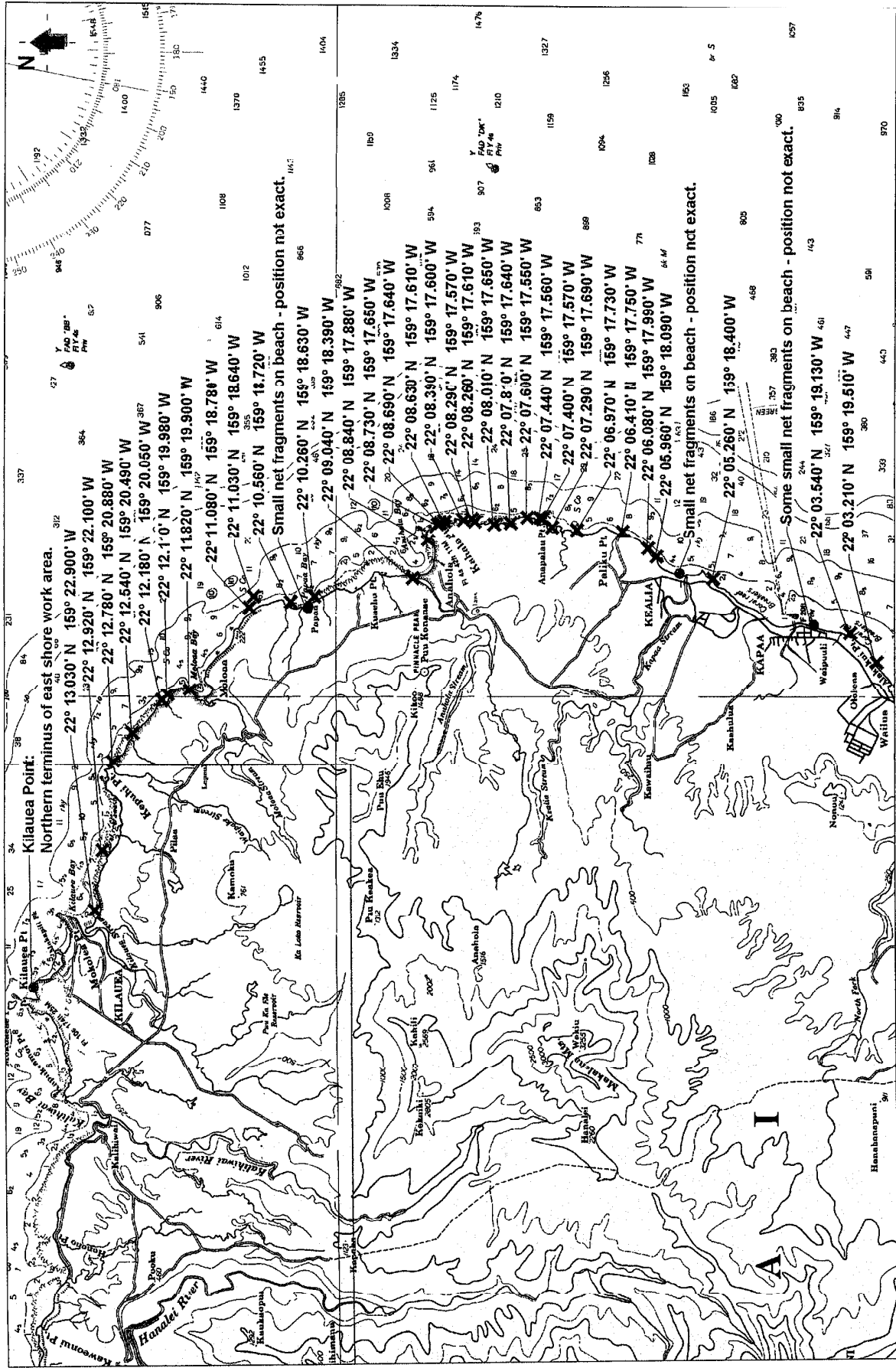
**KAUAI NET REMOVAL PROJECT  
PRELIMINARY SHORELINE/NEARSHORE SURVEY**

<b>EAST SHORE WORK AREA</b>						
Line Item	Time	Location	GPS Position		Comments	
			Latitude	Longitude		
48	1134	Vicinity of Mahulapu Point	21° 53.30' N	159° 25.05' W	Large net buried in the sand above tide and surge line.	
49	1135	Adjacent to Hyatt Hotel golf course	21° 52.73' N	159° 25.70' W	Net cluster on shoreline	
50	1137	Adjacent to Hyatt Hotel in the cliff area	21° 52.47' N	159° 26.08' W	Net remnant caught in the rocks below the cliff.	
51	1138	Makahuena Point light	21° 52.13' N	159° 26.66' W	South terminus of east shore work area.	
52	1150	Lihue Airport	21° 58.89' N	159° 20.52' W	Return to airport. Survey concluded.	

**KAUAI NET REMOVAL PROJECT  
PRELIMINARY SHORELINE/NEARSHORE SURVEY**

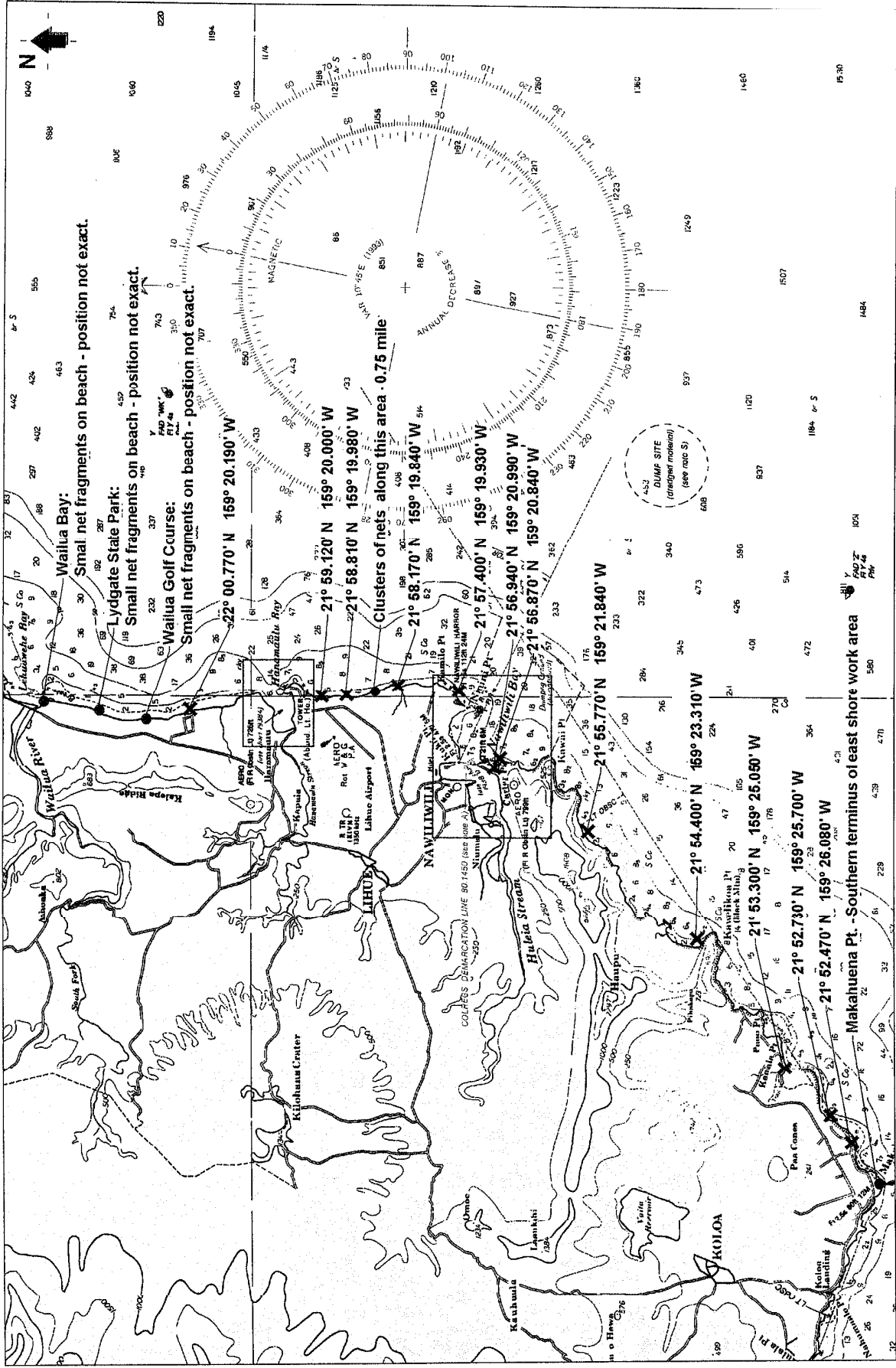
<b>WEST SHORE WORK AREA</b>						
Line Item	Time	Location	GPS Position		Comments	
			Latitude	Longitude		
1	1230	Lihue Airport	21° 58.43' N	159° 18.91' W	Lif. off from Lihue Airport, transit to net survey area.	
2	1242	Kekaha	21° 58.27' N	159° 44.00' W	Intersect shoreline and proceed northwest to survey area.	
3	1247	Vicinity of Majors' Beach			No derelict nets observed.	
4	1250	Pacific Missile Range Facility - Barking Sands	22° 01.06' N	159° 47.12' W	In vicinity of south end of PMRF runway. Medium sized net buried in the sandy beach. Very good access.	
5		Pacific Missile Range Facility - Barking Sands	22° 01.35' N	159° 47.25' W	Two small buried net fragments, with two more buried nets slightly north of this position.	
6		Pacific Missile Range Facility - Barking Sands	22° 01.61' N	159° 47.28' W	Large quantity of approx. 2" diameter hawser lying on the beach.	
7	1251	Mara Point	22° 01.72' N	159° 47.29' W	South terminus of the west shore work area.	
8	1252	Pacific Missile Range Facility - Barking Sands	22° 02.61' N	159° 47.16' W	Two small nets on beach, near range marker.	
9	1253	Nohii Point	22° 03.92' N	159° 47.02' W	No derelict nets observed.	
10	1300	Makaha Point	22° 08.34' N	159° 43.84' W	North terminus of the west shore work area.	
11	1323	Lihue Airport	21° 58.43' N	159° 18.91' W	Return to airport. Survey concluded.	

ISLAND OF OAHU  
 Chart 19381\_1 (BSB Electronic Charts) Depth Units: FATHOMS AND FEET



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**TO:** Kauai Net Removal Working Group

**RE:** PRELIMINARY FLIGHT REVIEW AND PLANNING MEETING MINUTES

**DATE:** Meeting date, September 28, 2001

**ATTENDANCE:**

Dave Hoffman,	Tesoro Hawaii
Liz Galvez,	State of Hawaii, Department of Health
Kim Beasley,	Clean Islands Council
Mike Latham,	Tesoro Hawaii
John Naughton,	NOAA, National Marine Fisheries Service
Curtis Martin,	State of Hawaii, Department of Health
Dave Carter,	Clean Islands Council
Don Heacock,	State of Hawaii, Department of Land and Natural Resources via conference call.

The purpose of the meeting was to review the information recorded on a preliminary overflight conducted on September 20<sup>th</sup>. The overflight included the area of Kauai shoreline defined in the project scope of work, as the "Work Area".

The meeting began with a report drafted by Mike Latham, including maps showing the latitude and longitude of the net sightings observed on the overflight. The report included a description of the survey area, the survey team and the equipment used in the survey. A description of the weather and the visibility was included. A breakdown of the two flights was included, and the net sightings were listed in a five-page spreadsheet. Also, several maps showing the distribution of the sightings along the coastline were presented. After reviewing the report, John Naughton and Don Heacock requested that the weather description include a reference to the fact that moderate turbidity limited clear viewing of the bottom from Kealia Beach north for approximately three to four miles. The draft report would be modified to include this information.

**ACTION ITEM:** Mike Latham would modify his report to include this language.

The survey report indicated that the majority of the nets were on the northeastern coastline of Kauai. The western coastline revealed surprisingly few nets. The area of Kipu Kai Beach was completely free of nets. Farther north along the western side of the island, only two small nets were discovered within the prescribed Work Area. Discussion followed that from the information gathered by this preliminary survey, the most productive use of

project resources should be directed to the northeastern coastline. By consensus the area of most concern was the area between Kapaa to Kipuhi Point.

## DISPOSAL

A discussion regarding the final disposition of the collected material was held. Don Heacock expressed his concern that the recovered nets not be sent to a Kauai land fill. Possible alternatives such as shipping the materials to Oahu for either land filling or some sort of recycling were discussed. Kim pointed out that the recent materials gathered on the northwest Hawaiian Islands may have swamped the meager abilities for recycling on Oahu. Also discussed, was whether or not Matson was, in fact, willing to transport these materials from Kauai to Oahu. Kim said he would follow up to determine whether Matson was transporting these materials.

**ACTION ITEM:** Kim Beasley was to follow up on whether Matson was willing to move the collected materials, and under what conditions.

Further discussion raised the question of whether or not any type of permit might be required for storage and disposal. Curtis Martin volunteered to check into this.

**ACTION ITEM:** Curtis Martin volunteered to check into whether permits might be needed.

Don Heacock asked whether an opportunity could be made available for volunteers to collect the two small nets on the western coast (and perhaps others they may find) and add these materials to the nets collected during the project. If Matson was willing to move the nets then conceivably the materials would be gathered at the Matson facility. If not there then certainly within the Nawiliwili Harbor area somewhere. Don volunteered to check with the harbor master to determine whether a temporary storage site could be made available and where that site would be.

**ACTION ITEM:** Don Heacock will check with Robert Crowell, the harbor master, to determine whether a temporary storage site would be available.

As to whether volunteers could add materials to the waste stream, discussion related to the potential for materials other than nets contaminating the waster stream followed. Certainly care would have to taken to prevent this type of problem. Resolution of this question was placed on hold until we have further information.

The discussion related to volunteers raised a question as to whether volunteers would be allowed to participate with the project workers. Everyone agreed that this was not the intent.

Conversation followed as to how we would communicate with the public. Our current outreach efforts are related to asking for information on the location of nets. Don Heacock volunteered that he has a weekly radio show discussion environmental issues. He could bring up the possibility of collecting nets and at the same time augment the existing outreach program. Dave Hoffman volunteered to have Nathan Hokama, the Tesoro public information specialist, fax Don with the original press release information which would give him the bullet points for his use during the show.

**ACTION ITEM:** Dave Hoffman was to have Nathan Hokama fax Don Heacock with the original press release materials.

At this time Kim Beasley distributed an ICS 203 type organizational chart showing the organization of the project management team. Several changes were proposed including the addition of Liz Galvez as the lead State Representative and Nathan Hokama as Information/Outreach Officer. Kim will make the additions.

**ACTION ITEM:** Kim is to modify the organization chart to include Liz Galvez and Nathan Hokama.

Don Heacock, who attended the meeting via conference call, asked to have the paper work distributed at the meeting faxed to him. Dave and Mike agreed to get him hard copies of all the printed materials.

#### **NET COLLECTION METHODS**

Some discussion followed as to the work methods. It was agreed upon that Randy Cates and his divers would be able to concentrate on the remote areas where limited shoreline access was a problem. Also, the possibility of lifting nets with the helicopter was discussed. Kim raised the issue that a helicopter sounds good, and may in fact be feasible, however, it would also require a team of operators on the ground to attach the lifting straps to the net and a team at the staging area. The efficiency of this may not be as good as it may appear. General agreement seemed to indicate we would look at this option on a case by case basis.

Kim emphasized that on our next flight we need to prioritize the nets by some agreed upon method. Prioritizing methods could be on the following bases.

1. shoreline accessibility
2. volume of net materials in a given area
3. remote net accessibility by vessel or helicopter

DC related that Randy Cates group has experience in pulling nets from the beach. This group could concentrate on the remote shoreline access nets and any other nearshore nets discovered in-situ or during the next overflight.

Dave Hoffman proposed a meeting for October 3, 2001, the day prior to the next scheduled overflight to discuss follow up issues. Hearing no further business the meeting was adjourned until October 3, 2001, at 10:30 am.



## **KAUAI DERELICT NET REPORT**

### **DERELICT NET SHORLINE/NEARSHORE SURVEY:**

Date of Aerial Survey: 9 October 2001

#### **SURVEY AREA:**

In support of the derelict Net Removal Project (the "Project") on Kauai, a preliminary derelict net survey was conducted on 20 September 2001. The derelict net survey area included the adjacent shoreline on Kauai out to a ten-meter depth from Kilauea Point to Makahuena Point (on the eastern shore) and from Makaha Point to Mana Point (on the western shore) – the "Work Area". The results of that preliminary survey were documented in the spreadsheet "Kauai Net Removal Project – Preliminary Shoreline/Nearshore Survey".

The results of the preliminary net survey were discussed in planning meetings on 28 September and 3 October 2001. Due to the minimum number of derelict nets observed on the west shore of Kauai in the preliminary survey, the Trustees elected to limit the survey area for subsequent aerial surveys to the eastern shoreline of Kauai; that portion from Makahuena Point to the south boundary of the Kilauea Wildlife Refuge at Kilauea Point.

Phase 1 of the project, a planning and community outreach initiative, began on 1 September and ended on 30 September. Phase 2 of the Project commenced with an aerial derelict net survey conducted on 9 October 2001.

#### **SURVEY TEAM (FIRST FLIGHT):**

Don Heacock, State of Hawaii, Department of Land and Natural Resources  
Elizabeth Galvez, State of Hawaii, Department of Health, HEER Branch  
Kim Beasley, General Manager, Clean Islands Council  
Mike Latham, Oil Spill Prevention Administrator, Tesoro Hawaii Corporation  
Dave Hoffman, Manager, Environmental Affairs, Tesoro Hawaii Corporation  
Rod Stone, Pilot, Sandstone Helicopters

#### **SURVEY TEAM (SECOND FLIGHT):**

Don Heacock, State of Hawaii, Department of Land and Natural Resources  
Kim Beasley, General Manager, Clean Islands Council  
Dave Carter, Group Supervisor, Clean Islands Council  
Stanley Souza, Shoreside Net Team, Pacific Environmental  
Randy Cates, Group Supervisor, Safety Boats Hawaii  
Rod Stone, Pilot, Sandstone Helicopters

## **KAUAI DERELICT NET REPORT**

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### **EQUIPMENT:**

Sandstone Helicopters in Honolulu provided the helicopter used for the survey flights. The helicopter was a seven passenger, turbine powered Bell 407, with global positioning system (GPS) instrumentation installed. Fixed video recording equipment also was installed for this survey. The video equipment was controlled by a dedicated video operator, and had zoom capabilities. The videotapes resulting from the survey flights will be provided to Clean Islands Council, for further distribution.

### **WEATHER:**

The weather during both survey flights (approximately 0945 to 1300) was mostly sunny, ceiling at 5,000 feet, with visibility in excess of 5 miles; winds were out of the northeast (moderate trades) at 10 – 15 mph; temperatures were in the mid- to upper-80s.

Water visibilities in protected locations of the designated east shore work area adjacent to the Kauai shoreline were generally good. However, moderate surf along the unprotected portions of the eastern shore obscured the bottom in many areas.

### **SURVEY FLIGHTS:**

Two survey flights were conducted on 9 October 2001. The objective of the first flight was to validate the survey information obtained during the preliminary overflight of 20 September and to locate additional nets. The objective of the second flight was to determine accessibility to the nets observed during the first flight of the day.

Both flights originated at Lihue International Airport (LIH - 21 ° 58.89' N, 159 ° 20.52' W), Lihue, Kauai County, Hawaii 96766. The first flight lifted off at 0945 (all times are approximate) and returned at 1125, and the second flight took off at 1200 and returned at 1300. The shoreline observations were carried out at a target altitude of 100 feet.

### **SURVEY FLIGHT 1:**

The first survey flight departed Lihue airport at 0945 and proceeded in a generally northerly direction, covering the eastern shoreline of Kauai. The flight traversed Ahukini State Park, Kawailoa, Nukolii Beach, Wailua Golf Course, Lydgate Park, Wailua, Waipouli, Kapaa, Kealia Beach, Paliku Point, Ahihi Point, Kahala Point, Papaa Bay, Moloaa Bay, Pakala Point, Keilua Point, Mokolea Point and arrived at the southern edge of the Kilauea National Wildlife Refuge at 1048.

Upon arrival at the Kilauea National Wildlife Refuge (the northern terminus of the east shore work area), the survey flight reversed course and retraced the outbound route, moving south.

## **KAUAI DERELICT NET REPORT**

Page 3

When the survey helicopter had returned to its starting point at Lihue Airport, the survey continued in a southerly direction. Moving southerly, the flight traversed Opoi, Ninini Point (Nawiliwili Harbor Light), Nawiliwili Harbor and the jetties. At this time (1121), the helicopter was in a low fuel state and needed to return to Lihue Airport to refuel. After discussion with the Trustees and in recognition of the large amount of net already observed and identified on the flight, the Survey Team concluded the net survey at the south end of Nawiliwili Harbor and did not proceed to Makahuena Point. The helicopter returned to the airport and landed at 1125.

The results of the aerial survey are documented in the spreadsheet "Kauai Net Removal Project - Shoreline/Nearshore Survey".

### **SURVEY FLIGHT 2:**

After being refueled at the Lihue Airport, the second Survey Team departed the Lihue Airport at 1200. This survey flight retraced the flight path of the first survey flight. As noted above, the objective of this second survey flight was to identify access points and methods for reaching the positions of the derelict nets observed during the first flight. The Survey Team concluded the flight at 1300.

### **GENERAL OBSERVATIONS:**

The preliminary survey of 20 September had unofficially logged approximately 173 net fragments of various sizes from very small (basketball size and smaller) to large (perhaps 4 ft. by 4 ft. by 6 ft.) The unofficial net count for the survey flight of 9 October was approximately 202. Again, the nets on the east shoreline were distributed randomly throughout the work area, but they also were bunched in certain areas. Heavier concentrations of nets were observed in the vicinity of the Beach Boy Hotel, the northern end of Kealia Beach and north for approximately 200 meters, the northern area of "Donkey Beach" (south of Ahihi Point), the shoreline from Ahihi Point north to Kahala Point, and the shoreline from Papaa Bay north to Moloaa Bay. There was also a concentration of nets from Hanamaulu Bay south to Ninini Point.

### **NEAR SHORE:**

Good aerial viewing conditions in the near shore environment out to the 10-meter depth were sporadic due to moderate surf and breaking waves. However, when good water viewing conditions were present, no derelict nets were observed in the near shore environment.

Prepared by: Mike Latham  
Oil Spill Prevention Administrator  
Tesoro Hawaii Corporation

Date: 9 October 2001

**KAUAI NET REMOVAL PROJECT  
SHORELINE/NEARSHORE SURVEY**

<b>EAST SHORE WORK AREA</b>					
<b>Line</b>			<b>GPS Position</b>		
<b>Item</b>	<b>Time</b>	<b>Location</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Comments</b>
1	0945	Lihue Airport	21° 58.89' N	159° 20.52' W	Lit off from Lihue Airport
2	0946				Hanamaulu Bay
3	0948	Lihue Airport			Return to airport for camera adjustment
4	0951	Lihue Airport			Lit off from Lihue Airport, commence net survey.
5	0954	Radisson Hotel	22° 00.66' N	159° 20.17' W	Small net cluster just prior to hotel and golf course. Sandy shoreline, good access.
6	0955	Radisson Hotel	22° 00.70' N	159° 20.19' W	Net on jetty
7	0956	Wailua Golf Course	22° 01.43' N	159° 20.30' W	Net off driving range
8	0956	Wailua Golf Course	22° 01.48' N	159° 20.31' W	Net off driving range
9	0957	North of Wailua Golf Course	22° 01.58' N	159° 20.30' W	
10	0957	North of Wailua Golf Course	22° 01.59' N	159° 20.28' W	
11	0958	North end of Wailua Golf Course	22° 01.89' N	159° 20.23' W	Big net cluster north end of golf course
12	0959	Next to Lydgate State Park	22° 02.22' N	159° 20.11' W	
13	1000	Lydgate State Park			Net on Lydgate State Park breakwater
14	1001	Beach Boy Hotel	22° 03.21' N	159° 19.91' W	Large net cluster in front of hotel. Sandy shoreline, good access.
15	1002	Old Sheraton Hotel			Seal on the beach
16	1002	Adjacent to Bullshed Restaurant	22° 03.25' N	159° 19.93' W	Large bundle of net.
17	1002	North of Matsuda store	22° 03.75' N	159° 19.07' W	Small net in area.
18	1003	Adjacent to housing near Taco Bell	22° 03.84' N	159° 19.07' W	Large net on beach (100 yds. south of Fuji Beach)
19	1005	Kapaa Canal	22° 04.27' N	159° 18.98' W	Small net on north side of jetty

Date of Survey: 9 October 2001

**KAUAI NET REMOVAL PROJECT  
SHORELINE/NEARSHORE SURVEY**

<b>EAST SHORE WORK AREA</b>					
<b>Line Item</b>	<b>Time</b>	<b>Location</b>	<b>GPS Position</b>		<b>Comments</b>
			<b>Latitude</b>	<b>Longitude</b>	
20	1007	Kapaa Community Swimming Pool	22° 04.86 N	159° 18.71' W	Net in dirt, 150 yds. North of swimming pool, very small net
21	1007	Mahailona Hospital	22° 05.04 N	159° 18.59' W	Small net cluster
22	1008		22° 05.15 N	159° 18.50' W	Small net cluster, monk seal pup
23	1010	Scenic lookout at Kealia Beach	22° 05.27 N	159° 18.41' W	Good access to area from cane haul road, large net cluster.
24	1011	Just further north from scenic lookout at Kealia Beach	22° 05.45' N	159° 18.35' W	Clump of small nets in sand
25	1013	Old pier at Kealia Beach	22° 05.96' N	159° 18.11' W	Small cluster of net
26	1013	North of old pier at Kealia Beach	22° 05.99' N	159° 18.11' W	
27	1013	North of Kealia Beach	22° 06.03' N	159° 18.07' W	Large net in surf line.
28	1014	North of Kealia Beach	22° 06.07' N	159° 18.01' W	Large concentration of net clusters.
29	1015	North of Kealia Beach	22° 06.10' N	159° 17.97' W	Large concentration of net clusters.
30	1016	Further north from north end of Kealia Beach	22° 06.41' N	159° 17.78' W	Net in rocks
31	1016		22° 06.44' N	159° 17.76' W	Net in rocks
32	1016		22° 06.45' N	159° 17.75' W	Net in rocks @ Kealia Makai
33	1017		22° 06.72' N	159° 17.69' W	Net in rocks
34	1017	North end of Donkey Beach	22° 06.98' N	159° 17.71' W	Large concentration of net clusters.
35	1018	"The Crack"	22° 07.27' N	159° 17.73' W	Net in rocks at edge of beach.
36	1019	North of "The Crack"	22° 07.33' N	159° 17.70' W	Net cluster.
37	1020		22° 07.38' N	159° 17.58' W	Large net in the rocks.
38	1021	Between Anapalau Point and Pohakuloa Point	22° 07.45' N	159° 17.59' W	Large net, with white float, on shoreline.

Date of Survey. 9 October 2001

**KAUAI NET REMOVAL PROJECT  
SHORELINE/NEARSHORE SURVEY**

<b>EAST SHORE WORK AREA</b>					
<b>Line Item</b>	<b>Time</b>	<b>Location</b>	<b>GPS Position</b>		<b>Comments</b>
			<b>Latitude</b>	<b>Longitude</b>	
39	1022	Vicinity of Pohakuloa Point	22° 07.59' N	159° 17.55' W	Large net remnant on beach.
40	1022		22° 07.79' N	159° 17.57' W	Cluster of nets at Kumukumu area.
41	1023		22° 08.14' N	159° 17.62' W	Some net clusters. Rocky shoreline, very difficult access.
42	1025		22° 08.25' N	159° 17.61' W	1/4 mile south of Kahala Point - Hawaiian Home Lands
43	1026	Vicinity of Lae Lipoa	22° 08.40' N	159° 17.57' W	Small monk basking on beach, helicopter gained altitude.
44	1026		22° 08.59' N	159° 17.59' W	Very large net in rocks.
45	1027	South of Kohala Point	22° 08.68' N	159° 17.63' W	Several large nets.
46	1028	Kahala Point	22° 08.72' N	159° 17.64' W	Big net at north end of Kahala Point.
47	1029	Kahala Point	22° 08.83' N	159° 17.69' W	
48	1030	South end of Anahola Bay	22° 08.85' N	159° 17.88' W	Large net in the rocks.
49	1031	South end of Aliamanu Road	22° 09.45' N	159° 18.26' W	
50	1031	North of Aliamanu Road	22° 09.88' N	159° 18.50' W	Small blue net.
51	1033		22° 09.98' N	159° 18.48' W	Small net cluster on beach.
52	1034	1/4 mile south of Papa'a Bay	22° 10.20' N	159° 18.60' W	Nets buried under the sand in this area.
53	1035	General area of Papa'a Bay	22° 10.29' N	159° 18.65' W	Scattered net remnants along the shoreline in this area.
54	1036	North of Papa'a Bay	22° 10.54' N	159° 18.74' W	4 net cluster - 200 yds. North
55	1036	North of Papa'a Bay	22° 10.61' N	159° 18.72' W	Road access, with bluff.

Date of Survey: 9 October 2001

**KAUAI NET REMOVAL PROJECT  
SHORELINE/NEARSHORE SURVEY**

<b>EAST SHORE WORK AREA</b>					
<b>Line</b>			<b>GPS Position</b>		
<b>Item</b>	<b>Time</b>	<b>Location</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Comments</b>
56	1037	South of Moloa'a Bay	22° 10.75' N	159° 18.61' W	Large net at base of cliff. Many scattered net remnants between Pila'a and Moloa'a Bays. Very poor and limited access to shoreline, steep cliff and rocky outcroppings, rocky shoreline.
57	1038		22° 11.08' N	159° 18.79' W	Net in surf zone.
58	1040		22° 11.83' N	159° 19.87' W	Pctential 4 X 4 access.
59	1040	Vicinity of Pakala	22° 12.12' N	159° 19.97' W	Large clump of net on rocky shore.
60	1041	Pakala Point	22° 12.16' N	159° 20.06' W	Large clump of net on rocky shore below house. Pila'a Public Beach access.
61	1043	North of Pakala Point	22° 12.53' N	159° 20.48' W	Large clump of white net on beach, sandy shoreline.
62	1044	Vicinity of Larson's Beach	22° 12.77' N	159° 20.85' W	Medium cluster of nets.
63	1046	North of Pfluger property.	22° 12.79' N	159° 21.96' W	Cluster of nets. Boat access?
64	1046	North of Pfluger property.	22° 12.86' N	159° 22.08' W	Cluster of nets. Boat access?
65	1048	South edge of Kilauea Point wildlife refuge	22° 13.08' N	159° 22.67' W	North terminus of east shore work area. Survey team reverse course and retrace route south.
66	1105	Middle north side of Haramaulu Bay	21° 59.67' N	159° 20.20' W	4 large nets.
67	1105	Haramaulu Bay	21° 59.69' N	159° 20.37' W	
68	1105	Middle south side of Haramaulu Bay	21° 59.50' N	159° 20.29' W	Cluster of nets.
69	1106	Lihue Airport	21° 58.89' N	159° 20.52' W	Commence east shore survey from Lihue Airport south to Nawiliwili Harbor.
70	1108	Lihue Airport	21° 59.16' N	159° 20.02' W	6 ret cluster on shore, end of runway 3.
71	1109		21° 58.71' N	159° 20.01' W	3 ret cluster.
72	1111		21° 58.35' N	159° 19.89' W	Yellow and white net in surf.

Date of Survey 9 October 2001

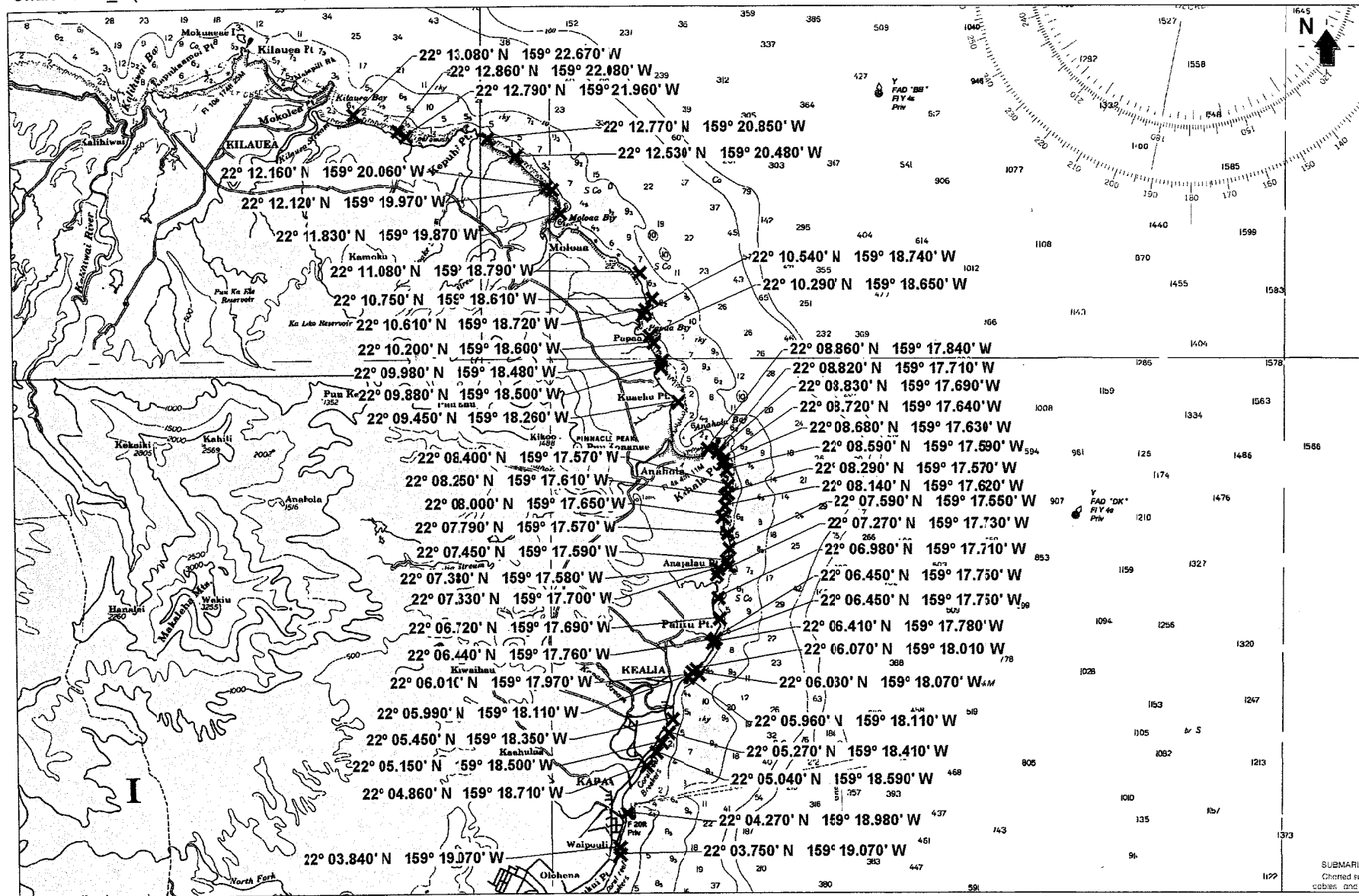
**KAUAI NET REMOVAL PROJECT  
SHORELINE/NEARSHORE SURVEY**

<b>EAST SHORE WORK AREA</b>					
<b>Line</b>			<b>GPS Position</b>		
<b>Item</b>	<b>Time</b>	<b>Location</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Comments</b>
73	1112		21° 58.31' N	159° 19.88' W	Net in surf.
74	1112		21° 58.14' N	159° 19.89' W	Nets in rocks.
75	1113		21° 58.07' N	159° 19.86' W	Large net in surf zone.
76	1113		21° 58.02' N	159° 19.85' W	Cluster of nets.
77	1114		21° 57.95' N	159° 19.84' W	Green net.
78	1115		21° 57.87' N	159° 19.85' W	Large rope cluster and nets.
79	1115		21° 57.77' N	159° 19.85' W	Large net cluster.
80	1116		21° 57.71' N	159° 19.84' W	Large net clusters south to lighthouse.
81	1116		21° 57.62' N	159° 19.87' W	Cluster of 3 big nets.
82	1116		21° 57.59' N	159° 19.89' W	
83	1116		21° 57.54' N	159° 19.91' W	
84	1117		21° 57.46' N	159° 19.99' W	Large net.
85	1119	Ninini Point	21° 57.39' N	159° 20.13' W	Cluster of nets at base of lighthouse.
86	1120	Nawiliwili Harbor breakwater	21° 56.90' N	159° 21.07' W	Corner of Nawiliwili Harbor.
87	1120	Between Nawiliwili Harbor breakwater and Carter Point	21° 56.86' N	159° 20.92' W	Cluster of nets, large size bunches.
88	1125	Lihue Airport	21° 58.89' N	159° 20.52' W	Return to airport. Survey concluded.

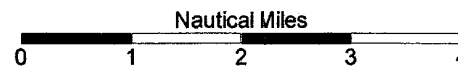
Date of Survey: 9 October 2001



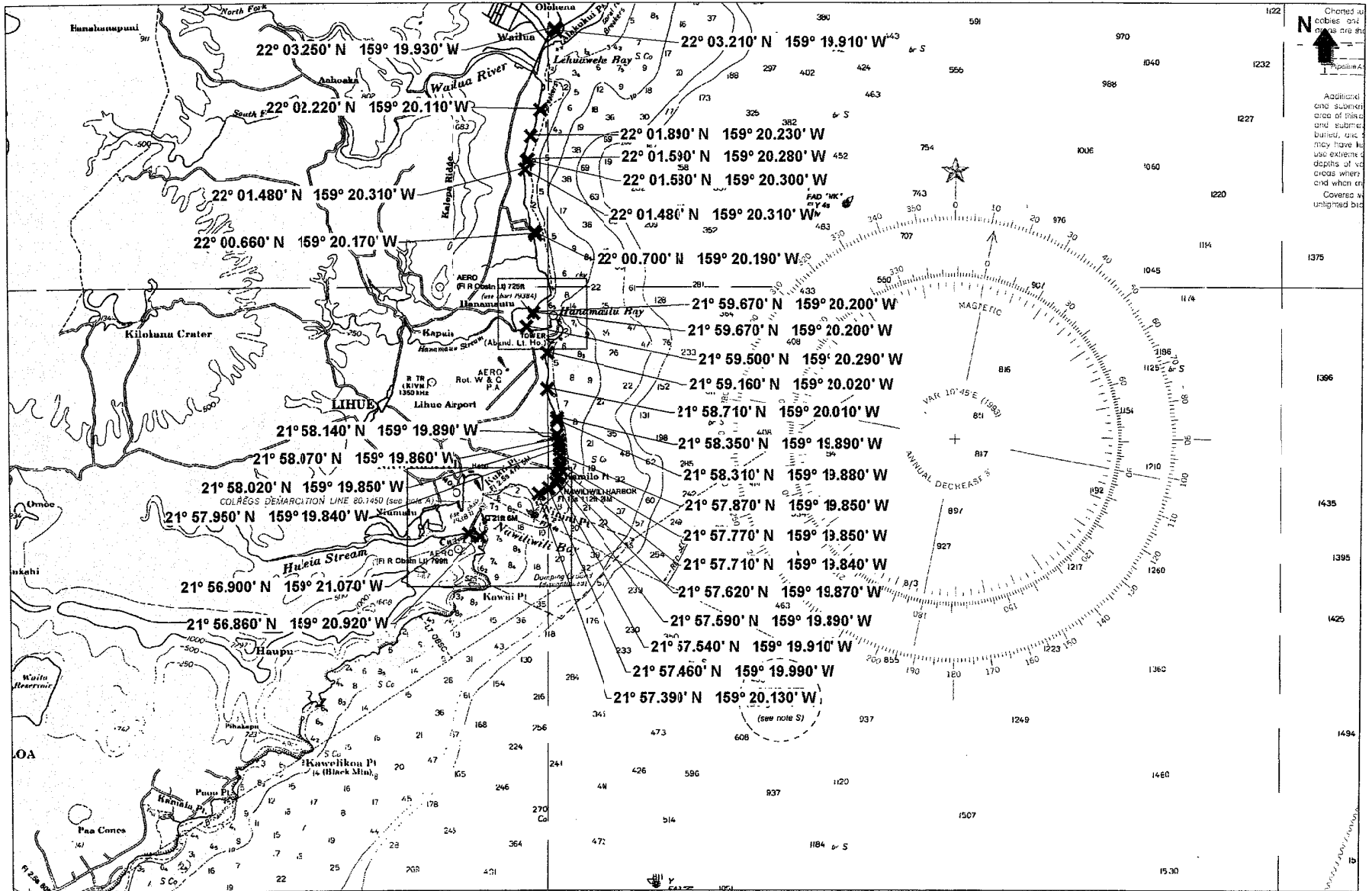
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# INCIDENT ACTION PLAN

Incident Name: **Kauai Net Removal Project**



Date Plan Prepared: October 9, 2001

Time: 20:00 hrs

Operational Period: Beginning  
Ending

10-Oct-01 06:00 Wednesday  
11-Oct-01 06:00 Thursday

Approvals: FOSC Representative

*John J. Knight*

SOSC Representative

*Tracy*

Responsible Party Representative

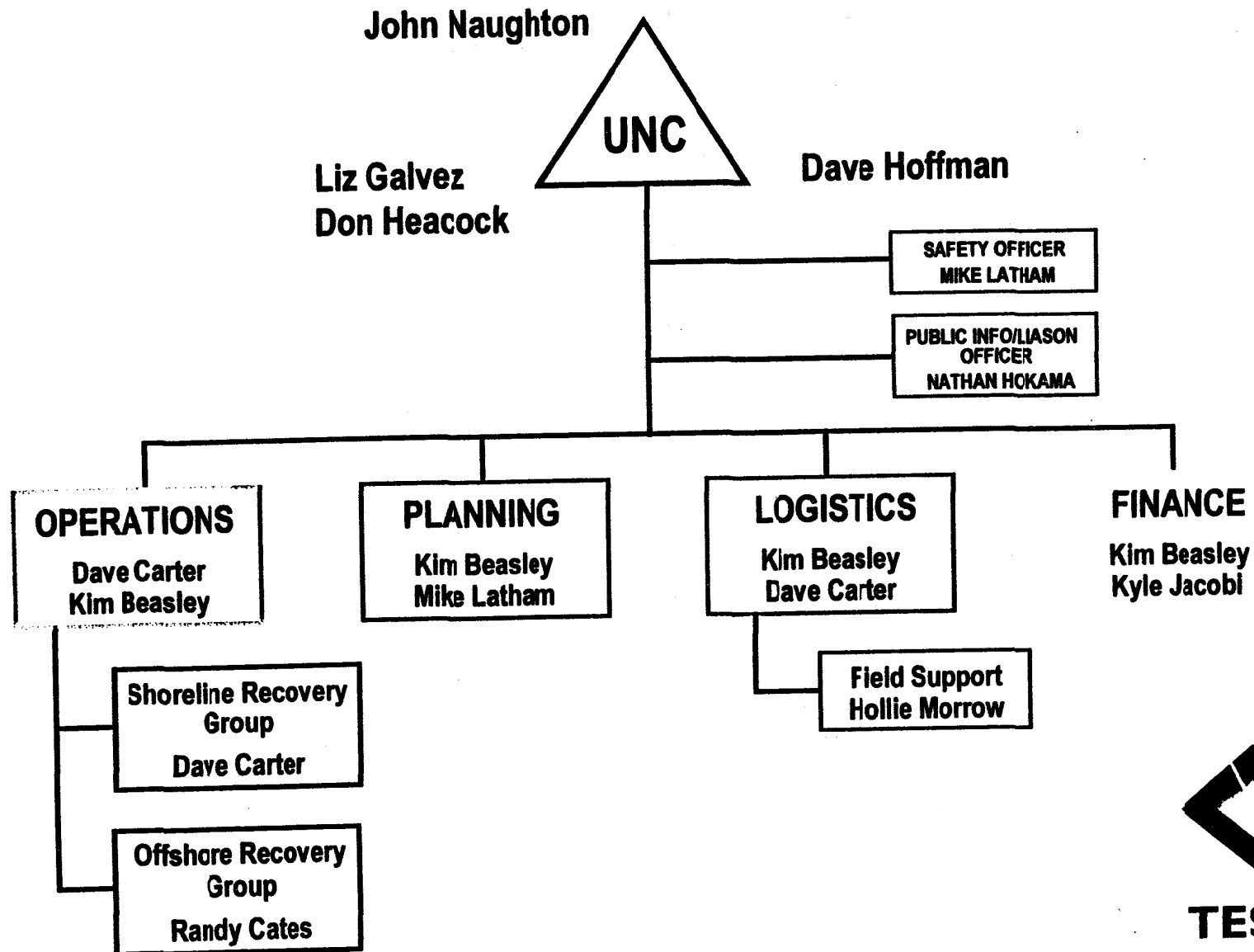
*F.D. H. [Signature]*

This Incident Action Plan represents the agreed upon work plan between the Federal and State Trustees and Tesoro, the responsible Party. The work is intended to comply with and complete the scope of work known as the Kauai Net Removal Project, and defined by the approved Consent Decree.

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# KAUAI NET REMOVAL PROJECT



**TESORO**

ICS 203

**FIELD ASSIGNMENTS**9-Oct-01  
20:00Incident Name: **Kauai Net Removal Project**

Originating Section: OPERATIONS

Branch:

On Water

Operational Period: beginning 10-Oct-01  
ending 11-Oct-0106:00  
06:00Wednesday  
Thursday**Safety Message:**

When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls.

**Task Force: Nearshore Net Recovery Group**Supervisor:  
Dave Carter**Position****Name****Equipment****Company****Strategic Objective:** Maintain a safe working environment for all personnel.

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Work to remove derelict nets along the coast of Kauai in coordination with the Offshore Net Recovery Group

Remove derelict nets, as directed by the authorized State and Federal Trustees, along the coastline adjacent to the Lihue Airport extending between the north end of runway no. 3 and the light house located at the south end of the airport.

**Recources:****Position****Name****Equipment****Company**

Supervisor

David Carter

4 ea. 4x4 Pickup Trucks  
Group Supervisor  
3 ea. Diver/Shoreline  
1 ea. Boom Truck  
1 ea. Box Cargo Truck

Budget Rentals  
PENCO  
PENCO  
Island Crane & Rigging  
PENCO

prepared by:

Kim Beasley

Signature: \_\_\_\_\_

**FIELD ASSIGNMENTS**9-Oct-01  
20:00Incident Name: **Kauai Net Removal Project**

Originating Section: OPERATIONS

Branch:

On Water

Operational Period: beginning  
ending10-Oct-01  
11-Oct-0106:00  
6:00Wednesday  
Thursday**Safety Message:**

When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls.

**Task Force: On Water Net Recovery Group**Supervisor  
Randy Cates**Strategic Objective:** Maintain a safe working environment for all personnel.

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Remove derelict nets, as directed by the authorized State and Federal Trustees, along the shoreline area adjacent to the Lihue airport and extending between the breakwater outside of Nawiliwili Harbor to and including Hanamoulu Bay.

**Resources:**

Position	Name	Equipment	Company
Supervisor	Randy Cates	48 foot work vessel Vessel Captain 3 ea. Divers 1 ea. Jet Ski Driver/deckhand 1 ea. Jet Ski with sled.	Safety Boats Hawaii

prepared by:

Kim Beasley

Signature: \_\_\_\_\_

# Kauai Net Removal Project Comms List (ICS 205)

ICS 205

28-Sep-01

Name	Organization	Work Phone	Cellular #	Nextel ID#	Pager #	Home #	e-mail
Dave Hoffman	Tesoro	547-3230	479-0577		280-2771	521-1786	dhoffman@tesoropetroleum.com
Mike Latham	Tesoro	547-3170	479-0593	30593	N/A	385-9027	mlatham@tesoropetroleum.com
Nathan Hokama	Tesoro	547-3839	479-0544		N/A	235-2614	nhokama@tesoropetroleum.com
Dennis Saito	Tesoro	547-3279					dsaito@tesoropetroleum.com
Kim Bassley	CIC	845-8485	479-0702	702	528-8778/251-8487	735-2739	kimb@cleanislands.org
Dave Carter	CIC/Penco	845-8485	479-3905	3905	528-8778/251-8352	261-1205	davec@cleanislands.org
Stan Souza	CIC/Penco	823-8531	635-0879		644-1191		
Curtis Martin	Trustee	598-4219	228-3789		251-1042	377-1266	cmartin@sha.health.state.hi.us
Liz Galvez	Trustee	598-4219	478-1135			458-1291	egalvez@sha.health.state.hi.us
Francis Oishi	Trustee	597-0094					Frances.g.Oishi@exec.state.hi.us
Don Heacock	Trustee	808-274-1344	245-6724				econan2@aol.com
John Naughton	Trustee	973-2935 Ext. 211	497-6395			262-9029	John.Naughton@noaa.gov
Rod Stone	Sandstone Helicopter	833-5678	223-5678		280-3540	924-3206	
Stan Sakimoto	DOT/Kauai Airport Manager	808-248-1400					
	Police	808-241-3711					
Richard Sullivan	FAA	808-640-3100					
USCGC KITTAWAKE	USCG	808-248-3390					
	County Civil Defense	808-241-4336	808-241-6711 (after hrs)				
	Kauai Mayors Office	241-6300					
Robert B. Crowell	Kauai Dist Manager - DOT/Harbors	808-241-3750			808-654-3038	808-245-8857	
Nelson Keller	Pl. Allen Manager - DOT/Harbors	808-335-2121					
	Hospital	808-338-3431	24 hr number				
West Kauai Medical Center	Hospital	808-245-1100	24 hr number				
Wilcox Memorial Hospital	Helicopter/Emergency/Medical	808-335-5009			808-654-2519		
Air-1 Rescue			839-0279			821-2158	
Barry Brun	Island Crane & Rigging	823-6777	839-1021			823-8777	
Larry Conklin	FAA	245-3431					
FAA Lihue Tower							
Aston Kahua Lani (4480 Nehe Rd.)	Condo	808-822-3331					
Randy Cates	Safety Boats Hawaii	808	479-7104	11721			

# INCIDENT ACTION PLAN

Incident Name: **Kauai Net Removal Project**



Date Plan Prepared: October 10, 2001

Time: 20:00 hrs

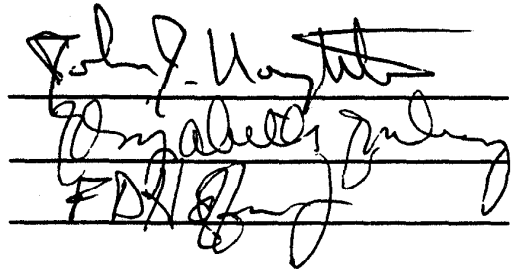
Operational Period: Beginning  
Ending

11-Oct-01 06:00 Thursday  
12-Oct-01 06:00 Friday

Approvals: FOSC Representative

SOSC Representative

Responsible Party Representative



This Incident Action Plan represents the agreed upon work plan between the Federal and State Trustees and Tesoro, the responsible Party. The work is intended to comply with and complete the scope of work known as the Kauai Net Removal Project, and defined by the approved Consent Decree.

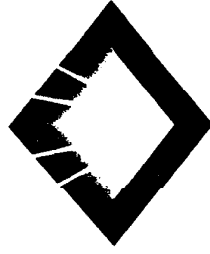
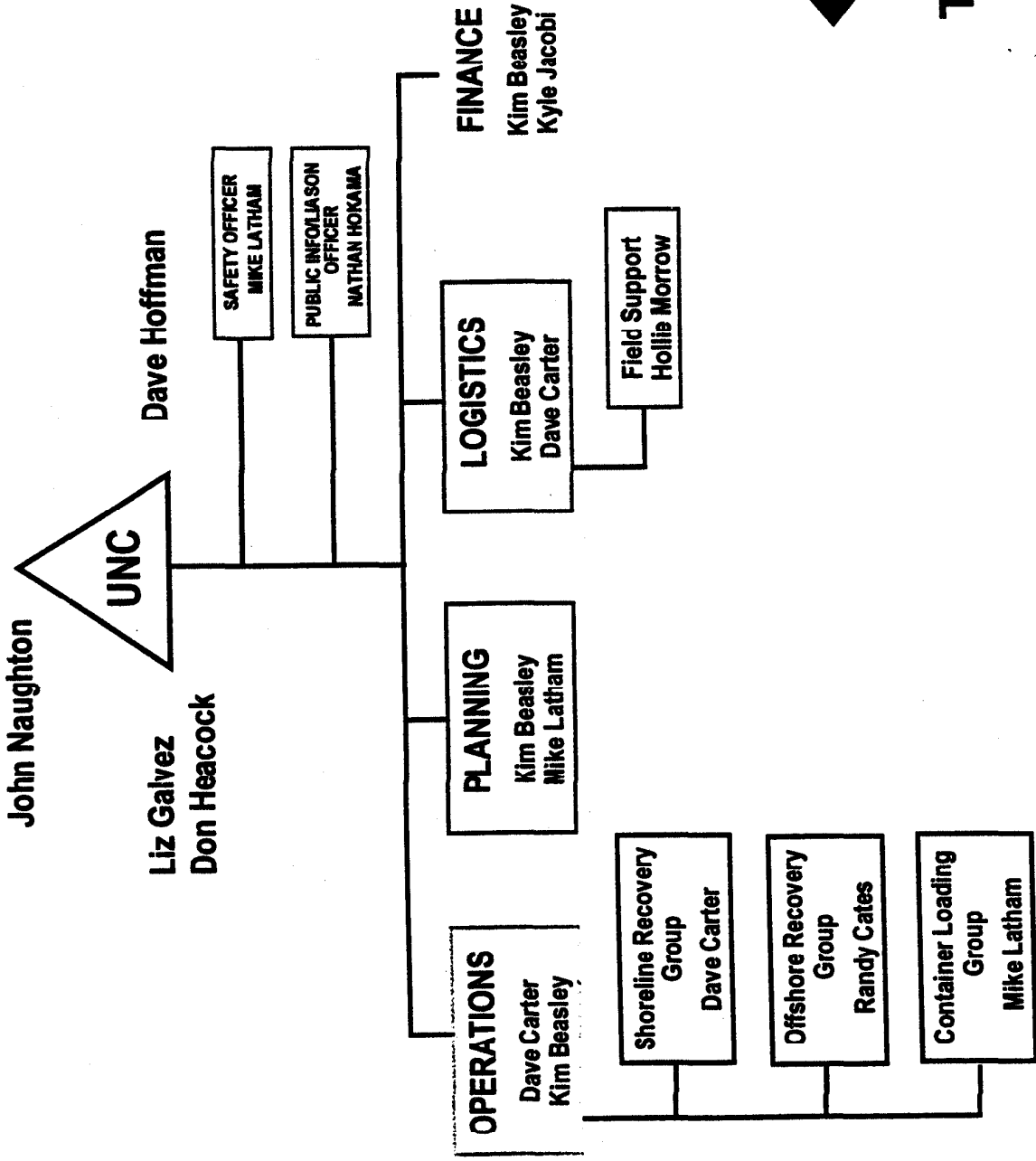
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Site Safety and Health Plan	X	X
Waste Recovery and and Disposal Plan	X	



# KAUAI NET REMOVAL PROJECT



**TESORO**

ICS 203

Rev. 11-Oct-01

**FIELD ASSIGNMENTS**

10-Oct-01

20:00

Incident Name: **Kauai Net Removal Project**Originating Section: **OPERATIONS**

Branch:

**On Water**Operational Period: beginning  
ending11-Oct-01  
12-Oct-0106:00  
06:00Thursday  
Friday**Safety Message:**

When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls. Today we are introducing a chain saw. Conduct a special safety meeting. The new Container Loading Group has special handling safety issues. Review them!

**Task Force: Shoreline Recovery Group**Supervisor  
Dave Carter**Position****Name****Equipment****Company****Strategic Objective:** Maintain a safe working environment for all personnel.

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Work to remove derelict nets along the coast of Kauai in coordination with the Offshore Net Recovery Group

Remove derelict nets, as directed by the authorized State and Federal Trustees. Complete the shoreline work adjacent to the Lihue airport. Move northward to a location northward to the areas difficult to reach from land. These areas are to be determined by weather and opportunity and selected by the approved Trustees.

**Resources:****Position****Name****Equipment****Company**

Supervisor

David Carter

4 ea. 4x4 Pickup Trucks  
Group Supervisor  
3 ea. Diver/Shoreline  
1 ea. Boom Truck  
1 ea. Box Cargo Truck  
1 ea. 1 Ton 4x4 P/U  
1 ea. 1/2 Ton 2x4 P/U

Budget Rentals  
PENCO  
PENCO  
Island Crane & Rigging  
PENCO  
via PENCO  
via PENCO

prepared by:

Kim Beasley

Signature: \_\_\_\_\_

**FIELD ASSIGNMENTS**10-Oct-01  
20:00Incident Name: **Kauai Net Removal Project**Originating Section: **OPERATIONS**

Branch:

**On Water**Operational Period: beginning  
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**Task Force: On Water Recovery Group**Supervisor  
Randy Cates**Strategic Objective:** Maintain a safe working environment for all personnel.

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Remove derelict nets, as directed by the authorized State and Federal Trustees. Complete the shoreline work adjacent to the Lihue airport. Move northward to identified locations difficult to reach from land. The general area and select areas are to be determined by weather and opportunity and selected by the assigned Trustees.

**Resources:**

Position	Name	Equipment	Company
Supervisor	Randy Cates	48 foot work vessel	Safety Boats Hawaii
		Vessel Captain	Safety Boats Hawaii
		3 ea. Divers	Safety Boats Hawaii
		1 ea. Jet Ski Driver/deckhand	
		1 ea. Jet Ski with sled.	

prepared by:

Kim Beasley

Signature: \_\_\_\_\_

**FIELD ASSIGNMENTS**10-Oct-01  
20:00Incident Name: **Kauai Net Removal Project**Originating Section: **OPERATIONS**

Branch:

**On Water**Operational Period: beginning  
ending12-Oct-01  
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**Task Force: Container Loading Group**Supervisor:  
Mike Latham**Position****Name****Equipment****Company****Strategic Objective:**

Maintain a safe working environment for all personnel.

CIC

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:**

Receive, process and transport recovered net materials in accordance with the approved Waste Recovery and Disposal Plan.

Load the recovered materials into the Matson Container. Prepare the materials for shipment to Oahu.

**Resources:****Position****Name****Equipment**Supervisor  
AssistantMike Latham  
Kim Beasley1 ea. Forward lift telescoping fork lift  
2 ea. Personnel  
1 ea. Matson container

prepared by:

Kim Beasley

Signature: \_\_\_\_\_

# Kauai Net Removal Project Comms List (ICS 205)

ICS 205

28-Sep-01

Name	Organization	Work Phone	Cellular #	Nextel ID#	Pager #	Home #	e-mail
1 Dave Hoffman	Tesorc	547-3280	479-0577		290-2771	521-1786	dhoffman@tesoropetroleum.com
2 Mike Lathan	Tesorc	547-3179	479-0593	30593	N/A	395-6027	mlathan@tesoropetroleum.com
3 Nathan Hokama	Tesorc	547-3639	479-0544		N/A	235-2614	nhokama@tesoropetroleum.com
4 Dennis Saito	Tesorc	547-3279					dsaito@tesoropetroleum.com
5 Kim Beesley	CIC	845-8465	479-0702	702	528-6778/251-8457	735-2739	kimb@cleanislands.org
6 Dave Carter	CIC/Penco	845-8465	479-3905	3905	528-6778/251-8352	261-1205	davec@cleanislands.org
7 Stan Souza	CIC/Penco	823-6561	635-0879		644-1191		
8 Curtis Martin	Trustee	588-4249	226-3799		251-1042	377-1266	cmartin@aha.health.state.hi.us
9 Liz Galvez	Trustee	585-4249	372-2162			456-1291	egalvez@aha.health.state.hi.us
10 Francis Oishi	Trustee	587-0094					Frances_gjOishi@exec.state.hi.us
11 Don Heacock	Trustee	808-274-3344	808-639-7305		274-3448 fax		econan2@aol.com
12 John Naughton	Trustee	973-2935 Ext. 211	497-6395			262-9029	John.Naughton@noaa.gov
13 Rod Stone	Sandstone Helicopter	833-5678	223-5678		299-3540	924-3206	
14 Stan Sekimoto	DOT/Kauai Airport Manager	808-246-1400					
15	Police	808-241-6711					
16 Richard Sullivan	FAA	808-840-6100					
17 USCGC KITTIWAKE	USCG	808-246-0390					
18	County Civil Defense	808-241-6336	808-241-6711 (after hrs)				
19	Kauai Mayors Office	241-6300					
20 Robert B. Crowell	Kauai Dist. Manager - DOT/Harbor	808-241-3750			808-654-3038	808-245-6857	
21 Nelson Keller	Pt. Allen Manager - DOT/Harbor	808-335-2121					
22 West Kauai Medical Cent	Hospital	808-338-9431	24 hr number				
23 Wilcox Memorial Hospital	Hospital	808-245-1100	24 hr number				
24 Air-1 Rescue	Helicopter/Emergency Medical	808-335-5009			808-654-2519		
26 Hollie Morrow	PENCO		635-0879				
26 Aston Kahi Lani (4460 N)	Condo	808-422-9331					
27 Randy Cates	Safety Boats Hawaii	808-479-7104	808 479-7104	11721			safetyboatshi@aol.com
28							

# INCIDENT ACTION PLAN

Incident Name: **Kauai Net Removal Project**



**TESORO**

Date Plan Prepared: October 11, 2001

Time: 20:00 hrs

Operational Period: Beginning  
Ending

12-Oct-01  
13-Oct-01

06:00 Friday  
06:00 Saturday

Approvals: FOSC Representative

SOSC Representative

Responsible Party Representative

*John Naughton* 9/22  
*Michael W. Fathman* 10/12/01  
*Michael W. Fathman* 10/12/01

This Incident Action Plan represents the agreed upon work plan between the Federal and State Trustees and Tesoro, the responsible Party. The work is intended to comply with and complete the scope of work known as the Kauai Net Removal Project, and defined by the approved Consent Decree.

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Updated?

Cover Page	X	
203 Organizational Assignments	X	
204 On Water Group Assignment	X	X
204 Shoreline Group Assignment	X	X
204 Container Loading Group	X	
205 Communications Plan	X	
Site Safety and Health Plan	X	
Waste Recovery and and Disposal Plan	X	

**FIELD ASSIGNMENTS**11-Oct-01  
20:00**Incident Name:** **Kauai Net Removal Project****Originating Section:** OPERATIONS **Branch:** On Water**Operational Period:** beginning 12-Oct-01 06:00 Friday  
ending 13-Oct-01 06:00 Saturday**Safety Message:** When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls. We are on the third day of this good effort. Be aware of the rigging being used! Examine it for wear and potential failure. Always be aware of "Management of Change" issues.**Task Force:** **On Water Recovery Group** **Supervisor**  
Randy Cates**Strategic Objective:** Maintain a safe working environment for all personnel.

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Remove derelict nets, as directed by the authorized State and Federal Trustees. During this Ops Period concentrate efforts beginning from Moloa'a and continue toward Pila'a.**Resources:**

Position	Name	Equipment	Company
Supervisor	Randy Cates	48 foot work vessel	Safety Boats Hawaii
		Vessel Captain	Safety Boats Hawaii
		3 ea. Divers	Safety Boats Hawaii
		1 ea. Jet Ski Driver/deckhand	
		1 ea. Jet Ski with sled.	

prepared by:

Kim Beasley

Signature: \_\_\_\_\_

**FIELD ASSIGNMENTS**11-Oct-01  
20:00**Incident Name: Kauai Net Removal Project****Originating Section: OPERATIONS**                      **Branch: On Water****Operational Period: beginning 12-Oct-01 06:00 Friday**  
**ending 13-Oct-01 06:00 Saturday**

**Safety Message:** When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls. We are on the third day of this good effort. Be aware of the rigging being used! Examine it for wear and potential failure. Always be aware of "Management of Change" issues.

**Task Force: Shoreline Recovery Group**                      **Supervisor: Dave Carter**

Position	Name	Equipment	Company
----------	------	-----------	---------

**Strategic Objective:** Maintain a safe working environment for all personnel.

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Work to remove derelict nets along the coast of Kauai in coordination with the Offshore Net Recovery Group

Remove derelict nets, as directed by the authorized State and Federal Trustees. During this Ops Period continue to collect derelict nets beginning at North Kealia Beach. Continue north as long as the work period allows.

**Resources:**

Position	Name	Equipment	Company
Supervisor	David Carter	4 ea. 4x4 Pickup Trucks Group Supervisor	Budget Rentals PENCO
		3 ea. Diver/Shoreline	PENCO
		1 ea. Boom Truck	Island Crane & Rigging
		1 ea. Box Cargo Truck	PENCO
		1 ea. 1 Ton 4x4 P/U	via PENCO
		1 ea. 1/2 Ton 2x4 P/U	via PENCO

prepared by:

Kim Beasley

Signature: \_\_\_\_\_



**FIELD ASSIGNMENTS**11-Oct-01  
20:00**Incident Name:** **Kauai Net Removal Project****Originating Section:** OPERATIONS **Branch:** On Water**Operational Period:** beginning 12-Oct-01 06:00 Thursday  
ending 13-Oct-01 06:00 Friday

**Safety Message:** When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls. We are on the third day of this good effort. Be aware of the rigging being used! Examine it for wear and potential failure. Always be aware of "Management of Change" issues.

**Task Force:** **Container Loading Group** **Supervisor:**  
Mike Latham

Position	Name	Equipment	Company
<b>Strategic Objective:</b>	Maintain a safe working environment for all personnel.		CIC
	Remove nets in accordance with the approved Waste Recovery and Disposal Plan.		
<b>Tasks:</b>	Receive, process and transport recovered net materials in accordance with the approved Waste Recovery and Disposal Plan.		
	Load the recovered materials into a Matson Container. Prepare the materials for shipment to Oahu.		
<b>Resources:</b>			
<b>Position</b>	<b>Name</b>	<b>Equipment</b>	
Supervisor	Mike Latham	1 ea. Forward lift telescoping fork lift	
Assistant	Kim Beasley	2 ea. Personnel	
		1 ea. Matson container	

**Resources:**

prepared by:

Kim Beasley

Signature: \_\_\_\_\_

# Kauai Net Removal Project Comms List (ICS 205)

ICS 205

28-Sep-01

Name	Organization	Work Phone	Cellular #	NexTel ID#	Pager #	Home #	e-mail
1 Dave Hoffman	Tesoro	547-3280	479-0577		290-2771	521-1786	dhoffman@tesoropetroleum.com
2 Mike Latham	Tesoro	547-3179	479-0593	30593	N/A	395-6027	mlatham@tesoropetroleum.com
3 Nathan Hokama	Tesoro	547-3639	479-0544		N/A	235-2614	nhokama@tesoropetroleum.com
4 Dennis Saito	Tesoro	547-3279					dsaito@tesoropetroleum.com
5 Kim Beasley	CIC	845-8465	479-0702	702	528-6778/251-8457	735-2739	kimb@cleanislands.org
6 Dave Carter	CIC/Perco	845-8465	479-3905	3905	528-6778/251-8352	261-1205	davecc@cleanislands.org
7 Stan Souza	CIC/Perco	823-6561	635-0879		644-1191		
8 Curtis Marsh	Trustee	588-4249	228-3799		251-1042	377-1286	cmartin@ena.health.state.hi.us
9 Liz Galvez	Trustee	588-4249	372-2162			456-1291	egalvez@ena.health.state.hi.us
10 Francis Ohali	Trustee	587-0094					Frances_gj@exec.state.hi.us
11 Don Heacock	Trustee	808-274-3344	808-639-7305		274-3448 fax		ecorran2@aol.com
12 John Naughton	Trustee	973-2835 Ext. 211	497-6395			262-9029	John.Naughton@noea.gov
13 Rod Stone	Sardstone Helicopter	833-5678	223-5678			924-3206	
14 Stan Sekimoto	DOT/Kauai Airport Manager	808-246-1400					
15	Police	808-241-6711					
16 Richard Sullivan	FAA	808-840-6100					
17 USCGC KITTIWAKE	USCG	808-246-0390					
18	County Civil Defense	808-241-6336	808-241-6711 (after hrs)				
19	Kauai Mayors Office	241-6300					
20 Robert B. Crowell	Kauai Dist. Manager - DOT/Harbor	808-241-3750			808-654-3038	808-245-8857	
21 Nelson Keller	Port. Allen Manager - DOT/Harbor	808-335-2121					
22 West Kauai Medical Cent	Hospital	808-338-9431	24 hr number				
23 Wilcox Memorial Hospital	Hospital	808-245-1100	24 hr number				
24 Air-1 Rescue	Helicopter/Emergency Medical	808-335-5009			808-654-2519		
25 Hollie Morrow	PENCO		635-0879				
26 Aston Kaha Lani (4460 N)	Condo	808-822-9331					
27 Randy Cates	Safety Boats Hawaii	808-479-7104	808 479-7104	11721			safetyboats@ic@aol.com
28							

# INCIDENT ACTION PLAN



Incident Name: **Kauai Net Removal Project**

Date Plan Prepared: October 13, 2001

Time: 20:00 hrs

Operational Period: Beginning  
Ending

11-Oct-01 0600 hrs Thursday  
16-Oct-01 0600 hrs Tuesday

Approvals: FOSC USCG

SOSC Department of Health

Responsible Party Representative

*For John Naughton*  
*[Signature]*  
*[Signature]*

This Incident Action Plan serves as a joint order from the FOSC and the SOSC and serves as an amendment, supplement and/or modification to the Federal and State of Hawaii Area Contingency Plan

## Table of Contents

Cover Page	X
201 Incident Briefing	X
202 Incident Objectives	X
203 Organizational Assignments	X
204 Division Group Assignments	X
205 Communications Plan	Previously submitted, no changes
206 Medical Plan	
207 Organizational Chart	
Waste Management and Disposal Plan	Previously submitted, no changes
Site Safety and Health Plan	Previously submitted, no changes
General Long Term Plan	
SCAT Survey Plan	
Sampling Plan	

**FIELD ASSIGNMENTS**12-Oct-01  
20:00Incident Name: **Kauai Net Removal Project**

Originating Section: OPERATIONS Branch: On Water

Operational Period: beginning 13-Oct-01 06:00 Saturday  
ending 14-Oct-01 06:00 Sunday

**Safety Message:** When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls. We are on the third day of this good effort. Be aware of the rigging being used! Examine it for wear and potential failure. Always be aware of "Management of Change" issues.

**Task Force: Container Loading Group**Supervisor:  
Mike Latham

Position	Name	Equipment	Company
----------	------	-----------	---------

<b>Strategic Objective:</b>	Maintain a safe working environment for all personnel.	CIC	
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Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Receive, process and transport recovered net materials in accordance with the approved Waste Recovery and Disposal Plan.

Load the recovered materials into a Matson Container. Prepare the materials for shipment to Oahu.

**Resources:**

Position	Name	Equipment
Supervisor	Mike Latham	1 ea. Forward lift telescoping fork lift
Assistant	Kim Beasley	2 ea. Personnel
		1 ea. Matson container

prepared by:

Kim Beasley

Signature: \_\_\_\_\_

**FIELD ASSIGNMENTS**12-Oct-01  
20:00Incident Name: **Kauai Net Removal Project**

Originating Section: OPERATIONS Branch: On Water

Operational Period: beginning 13-Oct-01 06:00 Saturday  
ending 14-Oct-01 06:00 Sunday

**Safety Message:** When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls. We are on the third day of this good effort. Be aware of the rigging being used! Examine it for wear and potential failure. Always be aware of "Management of Change" issues.

**Task Force:** **Shoreline Recovery Group** Supervisor: Dave Carter

Position	Name	Equipment	Company
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**Strategic Objective:** Maintain a safe working environment for all personnel.

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Work to remove derelict nets along the coast of Kauai in coordination with the Offshore Net Recovery Group

Remove derelict nets, as directed by the authorized State and Federal Trustees. During this Ops Period continue to collect derelict nets beginning at North Kealia Beach. Continue north as long as the work period allows.

**Resources:**

Position	Name	Equipment	Company
Supervisor	David Carter	4 ea. 4x4 Pickup Trucks Group Supervisor	Budget Rentals PENCO
		3 ea. Diver/Shoreline	PENCO
		1 ea. Boom Truck	Island Crane & Rigging
		1 ea. Box Cargo Truck	PENCO
		1 ea. 1 Ton 4x4 P/U	via PENCO
		1 ea. 1/2 Ton 2x4 P/U	via PENCO

prepared by: Kim Beasley

Signature: \_\_\_\_\_

**FIELD ASSIGNMENTS**12-Oct-01  
20:00Incident Name: **Kauai Net Removal Project**Originating Section: **OPERATIONS** Branch: **On Water**Operational Period: beginning 13-Oct-01 06:00 Saturday  
ending 14-Oct-01 06:00 Sunday

**Safety Message:** When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls. We are on the third day of this good effort. Be aware of the rigging being used! Examine it for wear and potential failure. Always be aware of "Management of Change" issues.

**Task Force:** **On Water Recovery Group** Supervisor  
Randy Cates

**Strategic Objective:** Maintain a safe working environment for all personnel.

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Remove derelict nets, as directed by the authorized State and Federal Trustees. During this Ops Period continue to concentrate efforts between Moloa'a and Pila'a.

**Resources:**

Position	Name	Equipment	Company
Supervisor	Randy Cates	48 foot work vessel	Safety Boats Hawaii
		Vessel Captain	Safety Boats Hawaii
		3 ea. Divers	Safety Boats Hawaii
		1 ea. Jet Ski Driver/deckhand	
		1 ea. Jet Ski with sled.	

prepared by:

Kim Beasley

Signature: \_\_\_\_\_

# INCIDENT ACTION PLAN



Incident Name: **Kauai Net Removal Project**

Date Plan Prepared: **October 13, 2001**

Time: **20:00 hrs**

Operational Period: **Beginning**  
**Ending**

**11-Oct-01 0600 hrs Thursday**  
**16-Oct-01 0600 hrs Tuesday**

Approvals: **FOSC USCG**

**SOSC Department of Health**

**Responsible Party Representative**

*for John Naughton Jr*  
*[Signature]*  
*[Signature]*

This Incident Action Plan serves as a joint order from the FOSC and the SOSC and serves as an amendment, supplement and/or modification to the Federal and State of Hawaii Area Contingency Plan

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Site Safety and Health Plan	Previously submitted, no changes
General Long Term Plan	
SCAT Survey Plan	
Sampling Plan	

**FIELD ASSIGNMENTS**13-Oct-01  
20:00Incident Name: **Kauai Net Removal Project**

Originating Section: OPERATIONS Branch: On Water

Operational Period: beginning 14-Oct-01 06:00 Sunday  
ending 15-Oct-01 06:00 Monday

**Safety Message:** When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls. The northwest swell is coming up. Please continue to use good judgement regarding which nets to go for. **SAFETY FIRST IN A CULTURE OF SAFETY.**

**Task Force: Shoreline Recovery Group** Supervisor: Dave Carter

Position	Name	Equipment	Company
----------	------	-----------	---------

**Strategic Objective:** Maintain a safe working environment for all personnel.

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Work to remove derelict nets along the coast of Kauai in coordination with the Offshore Net Recovery Group

Remove derelict nets, as directed by the authorized State and Federal Trustees. During this Ops Period continue to collect derelict nets beginning at the housing area near Taco Bell. On the Net Identification List, begin exploring opportunities to recover the nets represented by line items numbers 18 - 7. Continue next as as possible to the line item numbers 39 - 37. **Be aware as high surf may be present.**

**Resources:**

Position	Name	Equipment	Company
Supervisor	David Carter	4 ea. 4x4 Pickup Trucks Group Supervisor	Budget Rentals PENCO
		3 ea. Diver/Shoreline	PENCO
		1 ea. Boom Truck	Island Crane & Rigging
		1 ea. Box Cargo Truck	PENCO
		1 ea. 1 Ton 4x4 P/U	via PENCO
		1 ea. 1/2 Ton 2x4 P/U	via PENCO

prepared by: Kim Beasley

Signature: \_\_\_\_\_



**FIELD ASSIGNMENTS**13-Oct-01  
20:00**Incident Name:** **Kauai Net Removal Project****Originating Section:** OPERATIONS **Branch:** On Water**Operational Period:** beginning 14-Oct-01 06:00 Sunday  
ending 15-Oct-01 06:00 Monday**Safety Message:** When cutting derelict nets and using cutting tools, be careful not to cut yourself. Using power tools usually requires wearing safety glasses. Supervisor discretion is allowed. Be careful around the surf zone as this is high risk area for slips and falls. The northwest swell is coming up. Please continue to use good judgement regarding which nets to go for. **SAFETY FIRST IN A CULTURE OF SAFETY.****Task Force:** **On Water Recovery Group** **Supervisor**  
Randy Cates**Strategic Objective:** Maintain a safe working environment for all personnel.

Remove nets in accordance with the approved Waste Recovery and Disposal Plan.

**Tasks:** Remove derelict nets, as directed by the authorized State and Federal Trustees. During this Ops Period be very aware that we are experiencing a very significant northwest swell. High surf can be expected. Safety is the watchword. With this in mind, if possible, explore opportunities of net removal along the Wailua Golf Course area. Also consider the southern area beyond Nawiliwili Harbor, an area in the lee of the northwest weather. If this is too rough, proceed to shore and assist the Shoreline Group.**Resources:**

Position	Name	Equipment	Company
Supervisor	Randy Cates	48 foot work vessel	Safety Boats Hawaii
		Vessel Captain	Safety Boats Hawaii
		3 ea. Divers	Safety Boats Hawaii
		1 ea. Jet Ski Driver/deckhand	
		1 ea. Jet Ski with sled.	

prepared by:

Kim Beasley

Signature: \_\_\_\_\_

**FIELD ASSIGNMENTS**13-Oct-01  
20:00**Incident Name:** **Kauai Net Removal Project****Originating Section:** OPERATIONS **Branch:** On Water**Operational Period:** beginning 14-Oct-01 06:00 Sunday  
ending 15-Oct-01 06:00 Monday

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**Task Force:** **Container Loading Group** **Supervisor:**  
Mike Latham

Position	Name	Equipment	Company
<b>Strategic Objective:</b>	Maintain a safe working environment for all personnel.		CIC
	Remove nets in accordance with the approved Waste Recovery and Disposal Plan.		
<b>Tasks:</b>	Receive, process and transport recovered net materials in accordance with the approved Waste Recovery and Disposal Plan.		
	Load the recovered materials into a Matson Container. Prepare the materials for shipment to Oahu.		

**Recources:**

Position	Name	Equipment
Supervisor	Mike Latham	1 ea. Forward lift telescoping fork lift
Assistant	Kim Beasley	2 ea. Personnel
		1 ea. Matson container

**prepared by:** Kim Beasley**Signature:** \_\_\_\_\_

# Kauai Net Removal Project Comms List (ICS 205)

ICS 205

28-Sep-01

Name	Organization	Work Phone	Cellular #	Nextel ID#	Pager #	Home #	e-mail
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3 Nathan Hokama	Tesororo	547-3639	479-0544		N/A	235-2614	nhokama@tesoropetroleum.com
4 Dennis Saito	Tesororo	547-3279					dsaito@tesoropetroleum.com
5 Kim Beasley	CIC	845-8465	479-0702	702	528-6778/251-8457	735-2739	kimb@cleanislands.org
6 Dave Carter	CIC/Penco	845-8465	479-3905	3905	528-6778/251-8352	261-1205	davec@cleanislands.org
7 Stan Souza	CIC/Penco	823-6561	635-0879		644-1191		
8 Curtis Martin	Trustee	586-4249	228-3799		251-1042	377-1266	cmartin@ha.health.state.hi.us
9 Liz Galvez	Trustee	586-4249	372-2162			456-1291	egalvez@ha.health.state.hi.us
10 Francis Oishi	Trustee	587-0094					Frances_oishi@exec.state.hi.us
11 Don Heacock	Trustee	808-274-3344	808-639-7305		274-3448 fax		ecomman2@aol.com
12 John Naughton	Trustee	973-2935 Ext. 211	497-6395			262-9029	John.Naughton@noaa.gov
13 Rod Stone	Sardstone Helicopter	833-5678	223-5678		299-3540	924-3206	
14 Stan Sekimoto	DOT/Kauai Airport Manager	808-246-1400					
15	Police	808-241-6711					
16 Richard Sullivan	FAA	808-840-6100					
17 USCGC KITTIWAKE	USCG	808-246-0390					
18	County Civil Defense	808-241-6336	808-241-6711 (after hrs)				
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20 Robert B. Crowell	Kauai Dist. Manager - DOT/Harbor	808-241-3750			808-654-3038	808-245-6857	
21 Nelson Keller	Pt. Allen Manager - DOT/Harbor	808-335-2121					
22 West Kauai Medical Center	Hospital	808-338-9431	24 hr number				
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25 Hollie Morrow	PENCO		635-0879				
26 Aston Kaha Lani (4460 N)	Condo	808-822-9331					
27 Randy Cates	Safety Boats Hawaii	808-479-7104	808-479-7104	11721			safetyboatshi@aol.com
28							

CUSTOMER COPY

No. 120185

10/11

**BREWER ENVIRONMENTAL INDUSTRIES, LLC**

HONOLULU, OAHU • TELEPHONE 532-7400  
DANIEL S PUNU, OAHU • TELEPHONE 882-2400  
WAKAPU, MAUI • TELEPHONE 244-3761

HILO, HAWAII • TELEPHONE 933-7800  
KAWAHAU, HAWAII • TELEPHONE 882-1777  
PUHI, KAUAI • TELEPHONE 241-7333

MATT

DATE 10-11-01 CUSTOMER P.O. NO. REFERENCE NO. 1054409

SOLD TO KAC.

ADDRESS

HAULER Yacala

COMMODITY

\$0.00

SOLUTIONS  BAGS  ACIDS  
 SUSPENSION  BULK  OTHERS

@ % NET GALS NET TONS NET LBS

METER SCALE

FINISH	3:17PM	LOOP #16	6.41 tn	IN	START
START	11.40 tn	GR			
	6.41 tn	TA			
	4.99 tn	NT			
	1:03PM	LOOP #16			

STATE OF HAWAII  
CERTIFICATE OF MEASURE  
DIVISION OF MEASUREMENT STANDARDS  
DEPARTMENT OF AGRICULTURE

This certifies to the accuracy and identity of the quantity and commodity shown. It is suitable for all deliveries when sealed by a measurmaster.

NO. 3795  
STATE OF HAWAII  
C. E. Dralo  
SCALE  
MEASUREMASTER  
DATE 10/11/01

NO. 3375  
STATE OF HAWAII  
C. E. Dralo  
SCALE  
MEASUREMASTER  
DATE 10/11/01

w/ YBrothers B/LH 71758074

CUSTOMER COPY

No. 120181

**BREWER ENVIRONMENTAL INDUSTRIES, LLC**

HONOLULU, OAHU • TELEPHONE 532-7400  
BARBER'S POINT, OAHU • TELEPHONE 882-2400  
WAIKAPU, MAUI • TELEPHONE 244-3781

HILO, HAWAII • TELEPHONE 833-7800  
KAWAHAE, HAWAII • TELEPHONE 882-7777  
PUNA, KAUAI • TELEPHONE 241-7333

DATE 10-10-01	CUSTOMER P.O. NO.	REFERENCE NO. <i>MATY</i> 10 1055452
SOLD TO <i>K Co.</i>		
ADDRESS		
HAULER <i>Jim Adams</i>		
COMMODITY <i>Man Council</i>		
<input type="checkbox"/> SOLUTIONS	<input type="checkbox"/> BAGS	<input type="checkbox"/> ACIDS
<input type="checkbox"/> SUSPENSION	<input type="checkbox"/> BULK	<input type="checkbox"/> OTHERS
NET GALS		NET TONS <i>4.22</i>
@	%	NET LBS <i>8440</i>
METER		SCALE

FINISH	1:20PM	LOOP #32	6.42 tn	IN	START
START			10.64 tn	GR	
			6.42 tn	TA	
			4.22 tn	NT	
	1:18PM	LOOP #32			

STATE OF HAWAII  
CERTIFICATE OF MEASURE  
DIVISION OF MEASUREMENT STANDARDS  
DEPARTMENT OF AGRICULTURE

This certifies to the accuracy and identity of the quantity and commodity shown. It is suitable for all deliveries when sealed by a measurer.

NO. 3395	NO. 3395
<i>P. G. Drake</i>	<i>P. G. Drake</i>
X	X
SCALE	SCALE
MEASUREMASTER	MEASUREMASTER
DATE 10/10/01	DATE 10/11/01

CUSTOMER COPY  
No. 120191

**BREWER ENVIRONMENTAL INDUSTRIES, LLC**

HONOLULU, OAHU • TELEPHONE 532-7400  
BARBER'S POINT, OAHU • TELEPHONE 882-2400  
WAIKAPU, MAUI • TELEPHONE 244-3761

HILO, HAWAII • TELEPHONE 888-7000  
KAWAHAE, HAWAII • TELEPHONE 882-7777  
PUHI, KAUAI • TELEPHONE 241-7333

10-12-01 CUSTOMER P.O. NO. REFERENCE NO. *MAUI*  
*655489*

TO *KCC*

ESS

HAULER *E Sugimoto Truck*

COMMODITY *Fish Nets* NET GALS

SOLUTIONS  BAGS  ACIDS  
 SUSPENSION  BULK  OTHERS NET TONS *5.09*

% NET LBS *10,180#*

SCALE

2:57PM LOOP #23 6.34 tn IN

11.43 tn GR

6.34 tn TA

5.09 tn NT

9:33AM LOOP #23

CUSTOMER COPY  
No. 120225

**BREWER ENVIRONMENTAL INDUSTRIES, LLC**

HONOLULU, OAHU • TELEPHONE 532-7400  
BARBER'S POINT, OAHU • TELEPHONE 882-2400  
WAIKAPU, MAUI • TELEPHONE 244-3761

HILO, HAWAII • TELEPHONE 888-7000  
KAWAHAE, HAWAII • TELEPHONE 882-7777  
PUHI, KAUAI • TELEPHONE 241-7333

DATE 10-12-01 CUSTOMER P.O. NO. REFERENCE NO. *65544*

SOLD TO *KCC*

ADDRESS

HAULER *E Sugimoto Truck*

COMMODITY *Fish Nets* NET GALS

SOLUTIONS  BAGS  ACIDS  
 SUSPENSION  BULK  OTHERS NET TONS *6.99*

@ % NET LBS *13980#*

METER SCALE

2:01PM LOOP #21 6.24 tn IN

13.23 tn GR

6.24 tn TA

6.99 tn NT

10:21AM LOOP #21

STATE OF HAWAII  
CERTIFICATE OF MEASURE  
DIVISION OF MEASUREMENT STANDARDS  
DEPARTMENT OF AGRICULTURE

This certifies to the accuracy and identity of the quantity and commodity shown. It is suitable for all deliveries when sealed by a measuremaster.

NO. *3395*

STATE OF HAWAII  
*[Signature]*  
SCALE  
MEASUREMASTER

DATE *10/12/01*

NO. *3396*

STATE OF HAWAII  
*[Signature]*  
SCALE  
MEASUREMASTER

DATE *10/15/01*

STATE OF HAWAII  
CERTIFICATE OF MEASURE  
DIVISION OF MEASUREMENT STANDARDS  
DEPARTMENT OF AGRICULTURE

This certifies to the accuracy and identity of the quantity and commodity shown. It is suitable for all deliveries when sealed by a measuremaster.

NO. *3395*

STATE OF HAWAII  
*[Signature]*  
SCALE  
MEASUREMASTER

DATE *10/12/01*

NO. *3396*

STATE OF HAWAII  
*[Signature]*  
SCALE  
MEASUREMASTER

DATE *10/15/01*

DISPATCH TICKET

No 201448

#1



207 Puuhale Road  
Honolulu, HI 96819  
PH: (808) 842-3181  
FAX: (808) 842-0979

Horizon  
A Subsidiary of AmeriNet, Inc.

DISPATCH  SCALE

DATE OF DISPATCH 10/20/01  
 CUSTOMER / COMPANY NET RECYCLING PRAPER  
 ADDRESS 20' CONT # MATU 6554896  
 CONTACT TANAKA TRUCK CO.  
 PHONE \_\_\_\_\_ VENDOR # \_\_\_\_\_

COMMODITY	NO. OF UNITS	WEIGHT	PRICE	AMOUNT
CPO				
WL				
MIX / OP				
ALUM CANS				
GLASS		9880		
OCC		620 (TAN-BAG)		
ONP				
PLASTIC				
OTHER				
		(9260) TOTAL WEIGHT		
		NETTING		

GROSS LBS. 47760 TOTAL PAID \$ \_\_\_\_\_  
 TARE LBS. 37880 EMPLOYEE / DRIVER \_\_\_\_\_  
 NET LBS. 9880 CUSTOMER SIGNATURE \_\_\_\_\_  
620 X 9260  
 TYPE OF ACCOUNT:  CASH  CREDIT  ACCOUNT

DISPATCH TICKET

No 201449

#2



207 Puuhale Road  
Honolulu, HI 96819  
PH: (808) 842-3181  
FAX: (808) 842-0979

Horizon  
A Subsidiary of AmeriNet, Inc.

DISPATCH  SCALE

DATE OF DISPATCH 10/20/01  
 CUSTOMER / COMPANY NET RECYCLING PRAPER  
 ADDRESS 20' CONT # MATU 655444  
 CONTACT TANAKA TRUCK CO.  
 PHONE \_\_\_\_\_ VENDOR # \_\_\_\_\_

COMMODITY	NO. OF UNITS	WEIGHT	PRICE	AMOUNT
CPO				
WL				
MIX / OP				
ALUM CANS				
GLASS				
OCC				
ONP				
PLASTIC				
OTHER				
		NETTING		

GROSS LBS. 51760 TOTAL PAID \$ \_\_\_\_\_  
 TARE LBS. 37880 EMPLOYEE / DRIVER \_\_\_\_\_  
 NET LBS. 13900 CUSTOMER SIGNATURE \_\_\_\_\_  
 X  
 TYPE OF ACCOUNT:  CASH  CREDIT  ACCOUNT

DISPATCH TICKET

No 201452

# 3



207 Puuhale Road  
Honolulu, HI 96816  
PH: (808) 842-3181  
FAX: (808) 842-0979

DISPATCH  SCALE

DATE OF DISPATCH 10/22/01  
 CUSTOMER / COMPANY NET RECYCLING PROJECT  
 ADDRESS 20' CONT# MATU 6549298  
 CONTACT TANAKA TRK. CO.  
 PHONE \_\_\_\_\_ VENDOR # \_\_\_\_\_

COMMODITY	NO. OF UNITS	WEIGHT	PRICE	AMOUNT
CPO				
WL				
MIX / OP				
ALUM CANS				
GLASS				
OCC				
ONP				
PLASTIC				
OTHER	<u>NETTING</u>			

GROSS LBS. 47660 TOTAL PAID \$ \_\_\_\_\_  
 TARE LBS. 37780  
 NET LBS. 9880 X  
 TYPE OF ACCOUNT:  CASH  CREDIT  ACCOUNT  
 EMPLOYEE / DRIVER \_\_\_\_\_ CUSTOMER SIGNATURE \_\_\_\_\_

DISPATCH TICKET

No 201450

# 4



207 Puuhale Road  
Honolulu, HI 96819  
PH: (808) 842-3181  
FAX: (808) 842-0979

DISPATCH  SCALE

DATE OF DISPATCH 10/22/01  
 CUSTOMER / COMPANY NET RECYCLING PROJECT  
 ADDRESS 20' CONT# MATU 6534520  
 CONTACT TANAKA TRK. CO.  
 PHONE \_\_\_\_\_ VENDOR # \_\_\_\_\_

COMMODITY	NO. OF UNITS	WEIGHT	PRICE	AMOUNT
CPO				
WL				
MIX / OP				
ALUM CANS				
GLASS				
OCC				
ONP				
PLASTIC				
OTHER	<u>NETTING</u>			

GROSS LBS. 46120 TOTAL PAID \$ \_\_\_\_\_  
 TARE LBS. 37800  
 NET LBS. 8320 X  
 TYPE OF ACCOUNT:  CASH  CREDIT  ACCOUNT  
 EMPLOYEE / DRIVER \_\_\_\_\_ CUSTOMER SIGNATURE \_\_\_\_\_



Plastic Grinding & Recycling of Hawaii  
 7 Waterfront Plaza Suite 400  
 500 Ala Moana Blvd  
 Honolulu, HI 96813

# Invoice

DATE	INVOICE #
11/6/2001	1

**BILL TO**

Clean Island Council  
 David Carter  
 179 Sand Island Road  
 Honolulu, Hawaii 96819

**SHIP TO**

Clean Island Council  
 David Carter  
 179 Sand Island Road  
 Honolulu, Hawaii 96819

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
	Due on receipt		11/2/2001			

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
20.68 Tons		Fishing Net: All net to be recycled and exported to China.	43.5201	900.00

**PAID**

Date 11/27/01  
 Check # 15300  
 Amount Paid \$ 900.00

**Total** \$900.00

**KAUAI NET REMOVAL PROJECT  
OPERATIONS SUMMARY**

<b>EAST SHORE WORK AREA</b>						<b>Net Status</b>	
<b>Line Item</b>	<b>Date</b>	<b>Location</b>	<b>GPS Position</b>		<b>Comments</b>	<b>Removed</b>	<b>Not Removed</b>
			<b>Latitude</b>	<b>Longitude</b>			
1		South edge of Kilauea Point wildlife refuge	22° 13.08' N	159° 22.67' W	North terminus of east shore work area.		
2	10/12/01	North of Pfluger property.	22° 12.86' N	159° 22.03' W	Cluster of nets. <i>Poor shore access. Surf too large for removal by boat.</i>		✓
3	10/12/01	North of Pfluger property.	22° 12.79' N	159° 21.95' W	Cluster of nets. <i>Poor shore access. Surf too large for removal by boat.</i>		✓
4	10/12/01	Vicinity of Larson's Beach	22° 12.77' N	159° 20.85' W	Medium cluster of nets. <i>Poor shore access. Surf too large for removal by boat.</i>		✓
5	10/12/01	North of Pakala Point	22° 12.53' N	159° 20.48' W	Large clump of white net on beach, sandy shoreline. <i>Poor shore access. Surf too large for removal by boat.</i>		✓
6	10/12/01	Pakala Point	22° 12.16' N	159° 20.06' W	Large clump of net on rocky shore below house. Pila'a Public Beach access. <i>Net removed by On-Water Group.</i>	✓	
7	10/12/01	Vicinity of Pakala	22° 12.12' N	159° 19.97' W	Large clump of net on rocky shore. <i>Net removed by On-Water Group.</i>	✓	
8	10/12/01		22° 11.83' N	159° 19.87' W	<i>Net removed by On-Water Group.</i>	✓	
9	10/12/01		22° 11.08' N	159° 18.79' W	Net in surf zone. <i>Net removed by On-Water Group.</i>	✓	
10	10/12/01	South of Moloa'a Bay	22° 10.75' N	159° 18.61' W	Large net at base of cliff. Many scattered net remnants between Pila'a and Moloa'a Bays. Very poor and limited access to shoreline, steep cliff and rocky outcroppings, rocky shoreline. <i>4 large nets removed from this area by On-Water Group.</i>	✓	
11	10/13/01	North of Papa'a Bay	22° 10.51' N	159° 18.72' W	Road access, with bluff. <i>Net too large for removal by On-Water Group; broke four tow lines in attempt to remove net.</i>		✓

**KAUAI NET REMOVAL PROJECT  
OPERATIONS SUMMARY**

EAST SHORE WORK AREA							
Line Item	Date	Location	GPS Position		Comments	Net Status	
			Latitude	Longitude		Removed	Not Removed
12	10/13/01	North of Papa'a Bay	22° 10.54' N	159° 18.74' W	4 net cluster - 200 ycs. North <i>1 large net removed by On-Water Group; not a net cluster.</i>	✓	
13	10/13/01	General area of Papa'a Bay	22° 10.29' N	159° 18.65' W	Scattered net remnants along the shoreline in this area. <i>2 nets removed from this area.</i>	✓	
14		1/4 mile south of Papa'a Bay	22° 10.20' N	159° 18.60' W	Nets buried under the sand in this area.		✓
15			22° 09.98' N	159° 18.48' W	Small net cluster on beach.		✓
16		North of Aliamanu Road	22° 09.88' N	159° 18.50' W	Small blue net.		✓
17		South end of Aliamanu Road	22° 09.45' N	159° 18.26' W			✓
18	10/13/01	South end of Anahola Bay	22° 08.86' N	159° 17.84' W	Large net in the rocks. <i>No net observed at this location by removal team.</i>		✓
19		Kahala Point	22° 08.82' N	159° 17.71' W		✓	
20	10/13/01	Kahala Point	22° 08.72' N	159° 17.64' W	Big net at north end of Kahala Point.	✓	
21	10/13/01	South of Kohala Point	22° 08.68' N	159° 17.63' W	Several large nets.	✓	
22	10/13/01		22° 08.59' N	159° 17.59' W	Very large net in rocks.	✓	
23	10/13/01	Vicinity of Lae Lipoa	22° 08.40' N	159° 17.57' W		✓	
24	10/13/01		22° 08.25' N	159° 17.61' W	1/4 mile south of Kahala Point - Hawaiian Home Lands	✓	
25	10/13/01		22° 08.14' N	159° 17.62' W	Some net clusters. Rocky shoreline, very difficult access.	✓	
26	10/13/01		22° 07.79' N	159° 17.57' W	Cluster of nets at Kurukumu area.	✓	
27	10/13/01	Vicinity of Pchakuloa Point	22° 07.59' N	159° 17.55' W	Large net remnant on beach. <i>Seal in vicinity.</i>	✓	
28	10/14/01	Between Anapalau Point and Pohakuloa Point	22° 07.45' N	159° 17.59' W	Large net, with white float, on shoreline. <i>Steep cliff face, with loose rock and dirt. Dangerous access.</i>		✓

Date of Report: 26 October 2001

**KAUAI NET REMOVAL PROJECT  
OPERATIONS SUMMARY**

EAST SHORE WORK AREA							
Line Item	Date	Location	GPS Position		Comments	Net Status	
			Latitude	Longitude		Removed	Not Removed
29			22° 07.38' N	159° 17.58' W	Large net in the rocks.		✓
30	10/12/01	North of "The Crack"	22° 07.33' N	159° 17.70' W	Net cluster.	✓	
31	10/12/01	"The Crack"	22° 07.27' N	159° 17.73' W	Net in rocks at edge of beach.	✓	
32	10/12/01	North end of Donkey Beach	22° 06.98' N	159° 17.71' W	Large concentration of net clusters.	✓	
33	10/12/01		22° 06.72' N	159° 17.69' W	Net in rocks	✓	
34	10/12/01		22° 06.45' N	159° 17.75' W	Net in rocks @ Kealia Makai	✓	
35	10/12/01		22° 06.44' N	159° 17.76' W	Net in rocks	✓	
36	10/12/01	Further north from north end of Kealia Beach	22° 06.41' N	159° 17.78' W	Net in rocks	✓	
37	10/12/01	North of Kealia Beach	22° 06.10' N	159° 17.97' W	Large concentration of net clusters.	✓	
38	10/12/01	North of Kealia Beach	22° 06.07' N	159° 18.01' W	Large concentration of net clusters.	✓	
39	10/12/01	North of Kealia Beach	22° 06.03' N	159° 18.07' W	Large net in surf line.	✓	
40	10/13/01	North of old pier at Kealia Beach	22° 05.99' N	159° 18.11' W		✓	
41	10/13/01	Old pier at Kealia Beach	22° 05.96' N	159° 18.11' W	Small cluster of net	✓	
42	10/13/01	Just further north from scenic lookout at Kealia Beach	22° 05.45' N	159° 18.35' W	Clump of small nets in sand. <i>Cluster of net buried in sand; dug down and cut out.</i>	✓	
43	10/13/01	Scenic lookout at Kealia Beach	22° 05.27' N	159° 18.41' W	Good access to area from cane haul road, large net cluster.	✓	
44	10/13/01		22° 05.15' N	159° 18.50' W	Small net cluster.	✓	
45	10/13/01	Mahailona Hospital	22° 05.04' N	159° 18.59' W	Small net cluster	✓	
46	10/14/01	Kapaa Community Swimming Pool	22° 04.86' N	159° 18.71' W	Net in dirt, 150 yds. North of swimming pool, very small net. <i>Removed very small net from area.</i>	✓	

**KAUAI NET REMOVAL PROJECT  
OPERATIONS SUMMARY**

EAST SHORE WORK AREA							
Line Item	Date	Location	GPS Position		Comments	Net Status	
			Latitude	Longitude		Removed	Not Removed
47	10/14/01	Kapaa Cana	22° 04.27' N	159° 18.98' W	Small net on north side of jetty	✓	
48	10/14/01	Adjacent to housing near Taco Bell	22° 03.84' N	159° 19.07' W	Large net on beach (100 yds. south of Fuji Beach) <i>Removed 1 very large net from area.</i>	✓	
49	10/14/01	North of Matsuda store	22° 03.75' N	159° 19.07' W	Small net in area.	✓	
50	10/14/01	Adjacent to Bullshed Restaurant	22° 03.25' N	159° 19.93' W	Large bundle of net. <i>Removed very large cluster of net.</i>	✓	
51	10/14/01	Beach Boy Hotel	22° 03.21' N	159° 19.91' W	Large net cluster in front of hotel. Sandy shoreline, good access.	✓	
52	10/14/01	Lydgate State Park			Net on Lydgate State Park breakwater. <i>Removed 1 medium sized net cluster from south side of jetty.</i> <i>2nd medium sized cluster still in surf zone.</i>	✓	
53	10/14/01	Next to Lydgate State Park	22° 02.22' N	159° 20.11' W	Not observed from shoreline		
54	10/14/01	North end of Waiua Golf Course	22° 01.89' N	159° 20.23' W	Big net cluster north end of golf course		✓
55	10/14/01	North of Waiua Golf Course	22° 01.59' N	159° 20.28' W	Not observed from shoreline		✓
56	10/14/01	North of Waiua Golf Course	22° 01.58' N	159° 20.30' W	Not observed from shoreline		✓
57	10/14/01	Waiua Golf Course	22° 01.48' N	159° 20.31' W	Net off driving range. <i>Cut out down to sand level; large blue tarp removed.</i>	✓	
59		Radisson Hotel	22° 00.70' N	159° 20.19' W	Net on jetty	✓	
60		Radisson Hotel	22° 00.66' N	159° 20.17' W	Small net cluster just prior to hotel and golf course. Sandy shoreline, good access.	✓	
61	10/10/01	Middle north side of Hanamaulu Bay	21° 59.67' N	159° 20.20' W	4 large nets. <i>Removed by On-Water Group.</i>	✓	
62	10/10/01	Middle south side of Hanamaulu Bay	21° 59.50' N	159° 20.29' W	Cluster of nets. <i>Removed by On-Water Group.</i>	✓	
63		Lihue Airport	21° 58.89' N	159° 20.52' W	Not observed from shoreline		
64	10/11/01	Lihue Airport	21° 59.16' N	159° 20.02' W	6 net cluster on shore, end of runway 3.	✓	

**KAUAI NET REMOVAL PROJECT  
OPERATIONS SUMMARY**

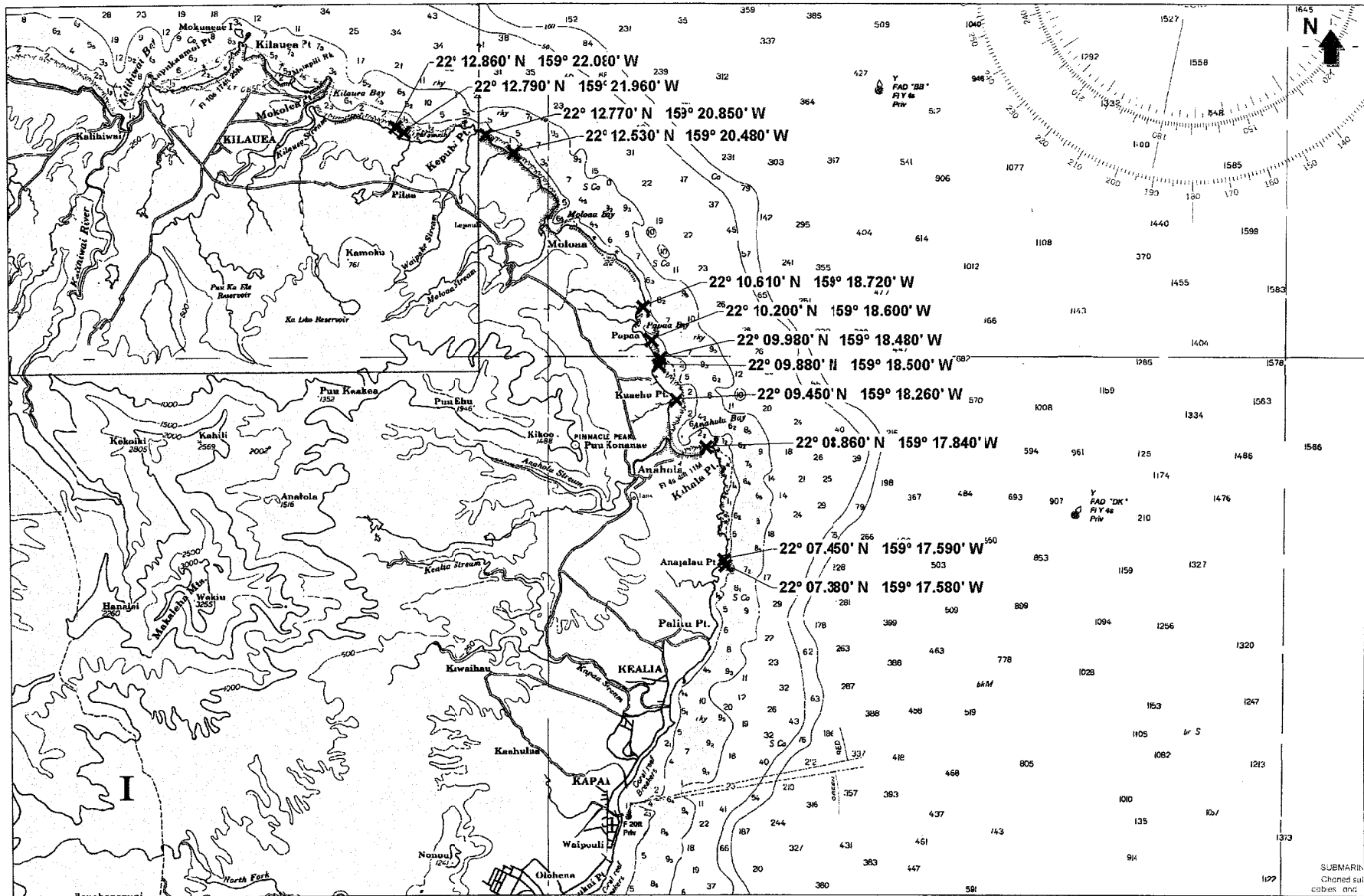
EAST SHORE WORK AREA						Net Status	
Line Item	Date	Location	GPS Position		Comments	Removed	Not Removed
			Latitude	Longitude			
65	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 58.71' N	159° 20.01' W	3 net cluster.	✓	
66	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 58.35' N	159° 19.89' W	Yellow and white net in surf.	✓	
67	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 58.31' N	159° 19.88' W	Net in surf.	✓	
68	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 58.14' N	159° 19.89' W	Nets in rocks.	✓	
69	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 58.07' N	159° 19.86' W	Large net in surf zone.	✓	
70	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 58.02' N	159° 19.85' W	Cluster of nets.	✓	
71	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 57.95' N	159° 19.84' W	Green net.	✓	
72	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 57.87' N	159° 19.85' W	Large rope cluster and nets.	✓	
73	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 57.77' N	159° 19.85' W	Large net cluster.	✓	
74	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 57.71' N	159° 19.84' W	Large net clusters south to lighthouse.	✓	
75	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 57.62' N	159° 19.87' W	Cluster of 3 big nets.	✓	
76	10/11/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 57.59' N	159° 19.89' W		✓	

Date of Report: 26 October 2001

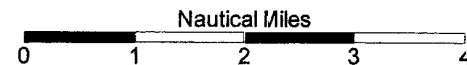
**KAUAI NET REMOVAL PROJECT  
OPERATIONS SUMMARY**

EAST SHORE WORK AREA						Net Status	
Line Item	Date	Location	GPS Position		Comments	Removed	Not Removed
			Latitude	Longitude			
77	10/10/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 57.54' N	159° 19.91' W		✓	
78	10/10/01	Eastern shore between Hanamaulu Bay and Ninini Point	21° 57.46' N	159° 19.99' W	Large net.	✓	
79	10/10/01	Ninini Point	21° 57.39' N	159° 20.13' W	Cluster of nets at base of lighthouse.	✓	
80	10/10/01	Nawiliwili Harbor breakwater	21° 56.90' N	159° 21.07' W	Corner of Nawiliwili Harbor breakwater. <i>Net removed by On-Water Group.</i>	✓	
81	10/10/01	Between Nawiliwili Harbor breakwater and Carter Point	21° 56.86' N	159° 20.92' W	Cluster of nets, large size bunches. <i>3 very large nets (~ 1 ton each) removed by On-Water Group.</i>	✓	
82	10/14/01	South of Kawai Point	21° 55.77' N	159° 21.84' W	One small net remnant on shoreline.		✓
83	10/14/01	Area of Kipu Kai	21° 54.40' N	159° 23.31' W	Some small clusters of nets on west end of Kipu Kai beach.		✓
84	10/14/01	Vicinity of Mahulapu Point	21° 53.30' N	159° 25.05' W	Large net buried in the sand above tide and surge line. <i>2 large nets (~ 1/2 ton each) removed by On-Water Group.</i>	✓	
85	10/14/01	Adjacent to Hyatt Hotel golf course	21° 52.73' N	159° 25.70' W	Net cluster on shoreline. <i>1 large net (~ 1 ton) removed by On-Water Group.</i>	✓	
86		Makahuena Point light	21° 52.13' N	159° 26.66' W	South terminus of east shore work area.		

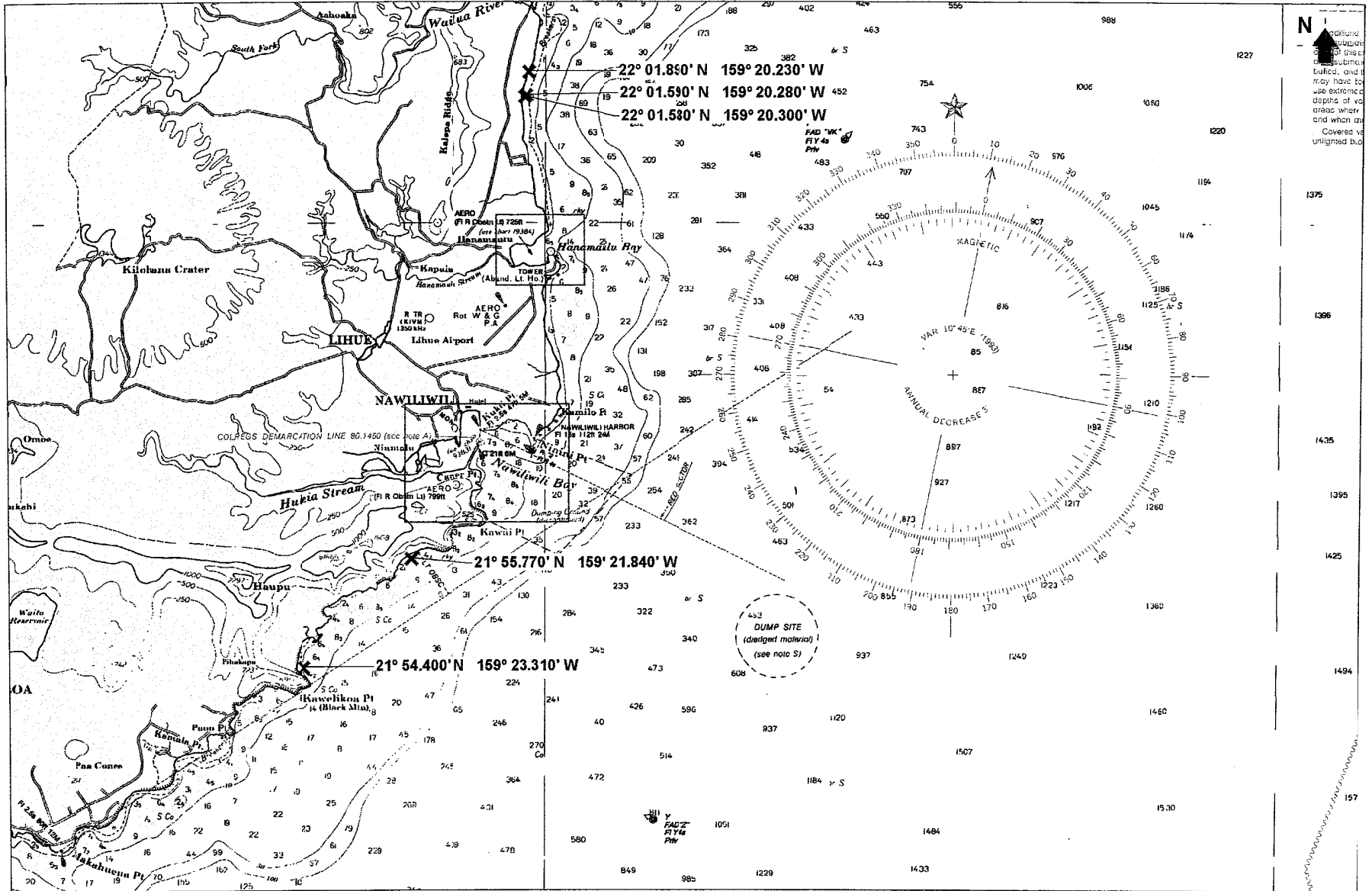
ISLAND of OAHU  
 Chart 19381\_1 (BSB Electronic Charts) Depth Units: FATHOMS AND FEET



**DO NOT USE FOR NAVIGATION PURPOSES**  
 Printed by ChartView™ from Nautical Software (503) 579-1414







Additional information may be found in the electronic depths of this area when an electronic depth sounder is used. Covered by unlighted buoys.







