January 14, 2010

Julie Thomas
Program Manager
Coastal Data Information Program
Scripps Institution of Oceanography
9500 Gilman Drive, 0214
La Jolla, CA 92093-0214

Dear Ms. Thomas:

On behalf of the College of Marine Science, USF, I enthusiastically endorse the valuable data and services provided by the Coastal Data Information Program (CDIP) at Scripps Institution of Oceanography. I understand that CDIP now includes the Southern California Beach Processes Study (SCBPS), which had been funded separately in previous years.

My Ocean Circulation Group assists with CDIP deployments on the West Florida Shelf, and we are also users of the data. We recently implemented a nowcast/forecast waves model using SWAN, and have performed quantitative comparisons between the model and the in situ observations that we collected at the 10 m isobath offshore of New Pass (Sarasota). The nearshore results are excellent, and we hope to expand these analyses to include the deeper CDIP and NOAA measurements. We also plan to reinstall wave gauges (ADCPs) off of New Pass and Pass a Grille (Pinellas Co.).

In addition to informing US Army Corps of Engineers projects, CDIP's high-resolution directional wave data and models for the coastal US are accessed regularly by thousands of military personnel, lifeguards, coastal engineers, boaters, fishermen, harbormasters, bar pilots, marine transporters, divers, and surfers. CDIP also characterizes waves for regional coastlines, seeks to understand and predict the response of beaches to waves, and develops and validates regional sediment management models. Without these publicly available data, life and property would be at risk. In addition, CDIP enhances and expands the efforts of the Integrated Ocean Observing System (IOOS) around the country, and it complements our IOOS activities on the WFS.

Sustained funding for CDIP will be crucial to ensure the maintenance of its at-sea equipment and the continuity of its data sets. Please feel free to contact me if I may be of assistance.

Sincerely,

Robert H. Weisberg
Distinguished University Professor
CMS-USF

UNITED STATES MARINE CORPS
AMPHIBIOUS VEHICLE TEST BRANCH
P.O. BOX 555217, BLDG 210536
CAMP PENDLETON, CALIFORNIA 92055-5217

IN REPLY REFER TO:
4400
AVTB-018
29 Jan 2010

From: Lab Director, Amphibious Vehicle Test Branch, USMC
To: Julie Thomas, Manager, CDIP

Subj: CDIP PRODUCTS

1. Intent. The intent of this letter is to inform you of the various ways in which my organization uses the information provided through your Coastal Data Information Program (CDIP) and to thank you for your continued work in this area. The information provided through CDIP is immensely useful to our day to day operations in support of the Expeditionary Fighting Vehicle (EFV).

2. Background. The EFV Program is the Marine Corps' number one priority ground weapon system acquisition program, as well as the only ACAT-1D program managed by the Marine Corps. Within the EFV Program, the Amphibious Vehicle Test Branch (AVTB) serves as the primary Test & Evaluation facility for the EFV. The EFV Program recently entered a critical pre-production phase and testing conducted at AVTB will be the focal point of the program. The EFV can be seen in Figure 1 below.

Figure 1 - EFV in the Open Ocean

3. Data Usage Details. The majority of the EFV developmental test activities take place in the open ocean near Camp

Pendleton. Knowledge of the sea conditions in the test area is critical in determining performance and safety thresholds. The data provide by CDIP is used before, during, and after every test conducted in the open ocean. Not only do the predictions help AVTB to decide when to test but the near real time buoy information also provides clarity about the conditions in which the test is actually conducted. Specifically, CDIP buoy information from the Dana Point, Torrey Pines, and Oceanside Buoys are compiled and reported for each test. These buoys are all operated and maintained by the CDIP program. CDIP also collects and reports buoy information from an AVTB owned buoy named "Camp Pendleton", in order to integrate the additional information into the CDIP website. This provides convenient web access of our own data on the CDIP website. This mutually beneficial partnership has provided AVTB with a way to disseminate our own information to outside organizations involved in our tests. In closing, I would like to thank CDIP for all of their support and essential services they provide to the AVTB organization.

Chad Lauffer

C.R. Lauffer

USGS
science for a changing world

United States Geological Survey
Pacific Science Center
400 Natural Bridges Drive
Santa Cruz, CA 95060
dhanes@usgs.gov
(831) 427-4718 voice (831) 427-4748 fax

January 28, 2010

Julie Thomas
Program Manager
Coastal Data Information Program
Scripps Institution of Oceanography
9500 Gilman Drive, 0214
La Jolla, CA 92093-0214

Dear Ms. Thomas:

The Coastal Data Information Program (CDIP) at Scripps Institution of Oceanography provides valuable data and services that I use on a nearly daily basis. This past year I needed specialized historical data, and the CDIP staff was of tremendous assistance creating and providing an archive of 2D MEM spectra for Buoy 029. We have used this data to investigate coastal erosion and sediment management in the San Francisco region.

In addition to informing US Army Corps of Engineers projects, CDIP's high-resolution directional wave data and models for the coastal US are accessed regularly by thousands of military personnel, lifeguards, coastal engineers, boaters, fishermen, harbormasters, bar pilots, marine transporters, divers, and surfers. CDIP also characterizes waves for regional coastlines, seeks to understand and predict the response of beaches to waves, and develops and validates regional sediment management models. Without these publicly available data, life and property would be at risk. In addition, CDIP enhances and expands the efforts of the Integrated Ocean Observing System (IOOS) around the country.

Sustained funding for CDIP will be crucial to ensure the maintenance of its at-sea equipment and the continuity of its data sets. Please feel free to contact me if I may be of assistance.

Sincerely,

Daniel M. Hanes

February 9, 2010

Julie Thomas
Program Manager
Coastal Data Information Program
Scripps Institution of Oceanography
9500 Gilman Drive, 0214
La Jolla, CA 92093-0214

Ms. Thomas,

As the primary DoD maritime safety forecasting center for the Pacific and Indian Ocean, Naval Maritime Forecast Center is an avid user of the buoys around the Hawaiian waters to write forecasts and provide DoD and US Government vessels safe routing around hazardous conditions at sea.

Below, I have listed the buoys on which we have come to rely along with how we typically use them.

To the northwest of the Hawaiian Islands we use the following buoys to watch incoming swell waves associated with transiting low pressure systems to the north: SNDP5, 46559, 46560, 46561, 51101, 51001.

To the south of the islands we use the following buoys to watch for long period swell coming from the south associated with low pressure systems transiting south of the equator: 51002, 51003, 51004, 52842, 51309, 51301, 52842.

Around the Hawaiian Islands we use the following buoys to help us produce a coastal, and local area forecasts for navy vessels operating in and around the Hawaiian islands: 51407, ILOH1, KLIH1, 51203, 51200, 51201, MOKH1, 51202, OOUH1, KNOH1.

We use the listed buoys daily depending on which ones have the most current data. We use them to initialize our models and to produce both short and long term forecasts.

Of note, we recently trained a new group of apprentice forecasters and focused heavily on use of these bouys as a critical part of our standard forecast process here in Hawaii...we only wish ocean observing was this robust in other parts of our area of responsibility.

Very respectfully,

LCDR Jake Hinz
Operations Officer
Naval Maritime Forecast Center
Pearl Harbor, HI

PORT of GRAYS HARBOR
On Washington's Pacific Coast

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Commissioners:
Jack Thompson
Stan Pinnick
Chuck Caldwell

Executive Director:
Gary G. Nelson

January 25, 2010

Julie Thomas
Program Manager
Coastal Data Information Program
Scripps Institution of Oceanography
9500 Gilman Drive, 0214
La Jolla, CA 92093-0214

Dear Ms. Thomas:

On behalf of the Port of Grays Harbor I enthusiastically endorse the valuable data and services provided by the Coastal Data Information Program (CDIP) at Scripps Institution of Oceanography. I understand that CDIP now includes the Southern California Beach Processes Study (SCBPS), which had been funded separately in previous years.

Grays Harbor has the only deepwater port on the Washington Coast as well as a large commercial and recreational marina. These buoys are widely used by all our mariners and it is imperative to safe navigation. The real time ocean information we get from these buoys enhances the safety of our mariners and enables them to make prudent operating plans. This data is an invaluable asset that assists our bar pilots, maritime industry as well the charter boat fleet and our commercial fisheries along the coast. I strongly urge you to continue the maintenance of this buoy system.

In addition to informing US Army Corps of Engineers projects, CDIP's high-resolution directional wave data and models for the coastal US are accessed regularly by thousands of military personnel, lifeguards, coastal engineers, boaters, fishermen, harbormasters, bar pilots, marine transporters, divers, and surfers. CDIP also characterizes waves for regional coastlines, seeks to understand and predict the response of beaches to waves, and develops and validates regional sediment management models. Without these publicly available data, life and property would be at risk. In addition, CDIP enhances and expands the efforts of the Integrated Ocean Observing System (IOOS) around the country.

Sustained funding for CDIP will be crucial to ensure the maintenance of its at-sea equipment and the continuity of its data sets. Please feel free to contact me if I may be of assistance.

Sincerely,

Gary Nelson

Gary G. Nelson
Executive Director
Port of Grays Harbor

January 14, 2010

Julie Thomas
Program Manager
Coastal Data Information Program
Scripps Institution of Oceanography
9500 Gilman Drive, 0214
La Jolla, CA 92093-0214

Dear Ms. Thomas,

The purpose of this letter is to endorse the data and services provided by the Coastal Data Information Program (CDIP) at Scripps Institution of Oceanography. With the addition of the Southern California Beach Processes Study (SCBPS), which had previously received separate funding, the continued support of CDIP for southern California coastal managers becomes more critical.

In my work, the products produced by CDIP have helped operationally in preparing and conducting water quality field studies off Orange County, California. In particular, CDIP's swell and wave height modeling and wave buoy data have proven to be useful tools. I have also incorporated their surf zone transport model into a field sampling contingency plan for any planned or emergency use of a shallow-ocean outfall. Additionally, results from the surf zone transport model have provided a new perspective on a potential source of bacteria to a chronically impacted stretch of Huntington Beach shoreline.

Use of CDIP's high-resolution directional wave data and models is a statewide asset that extends out of the southern California. As a member of the Joint Strategic Advisory Committee for both of California's regional Integrated Ocean Observing System, I expect that both groups will further integrate CDIPs products to enhance and expand their efforts.

Sustained funding for CDIP will be crucial to ensure the maintenance of its at-sea equipment and the continuity of its data sets. Please feel free to contact me if I may be of assistance.

Sincerely,

George L. Robertson

California Shore & Beach Preservation Association

February 17, 2010

Julie Thomas
Program Manager
Coastal Data Information Program
Scripps Institution of Oceanography
9500 Gilman Drive, 0214
La Jolla, CA 92093-0214

Dear Ms. Thomas:

On behalf of California Shore & Beach Preservation Association (CSBPA), which is a state chapter of the American Shore & Beach Preservation Association (ASBPA), I enthusiastically endorse the valuable data and services provided by the Coastal Data Information Program (CDIP) at Scripps Institution of Oceanography. I understand that CDIP now includes the Southern California Beach Processes Study (SCBPS), which had been funded separately in previous years.

CDIP provides data and information critical to support wise management of our coast. For example, nearshore wave characteristics provided by CDIP are fundamental to the assessment of coastal hazards, coastal engineering design, and the management of tidal inlets at the mouths of coastal lagoons and river estuaries.

In addition to informing US Army Corps of Engineers projects, CDIP's high-resolution directional wave data and models for the coastal US are accessed regularly by thousands of military personnel, lifeguards, coastal engineers, boaters, fishermen, harbormasters, bar pilots, marine transporters, divers, and surfers. CDIP also characterizes waves for regional coastlines, seeks to understand and predict the response of beaches to waves, and develops and validates regional sediment management models. Without these publicly available data, life and property would be at risk. In addition, CDIP enhances and expands the efforts of the Integrated Ocean Observing System (IOOS) around the country.

Sustained funding for CDIP will be crucial to ensure the maintenance of its at-sea equipment and the continuity of its data sets. Please feel free to contact me if I may be of assistance.

Sincerely,

Robert (Bob) Battalio, P.E.
President, California Shore & Beach Preservation Association

DEPARTMENT OF THE ARMY
WILMINGTON DISTRICT, CORPS OF ENGINEERS
69 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA 28403-1343

REPLY TO
ATTENTION OF:

February 9, 2010

Coastal, Hydrology & Hydraulics Section

Ms. Julie Thomas
Program Manager
Coastal Data Information Program
Scripps Institution of Oceanography
9500 Gilman Drive, 0214
La Jolla, California 92093-0214

Dear Ms. Thomas:

On behalf of the U.S. Army Corps of Engineers, Wilmington District, I enthusiastically endorse the valuable data and services provided by the Coastal Data Information Program (CDIP) at Scripps Institution of Oceanography. I understand that CDIP now includes the Southern California Beach Processes Study (SCBPS), which had been funded separately in previous years.

In North Carolina, the CDIP data station off of Masonboro Inlet is critical for real-time and archived wave data offshore of 3 of our 4 renourished beaches (Wrightsville Beach, Carolina Beach and Kure Beach). This type of data is used in numerical wave modeling as input to nearshore models to look at sediment transport along our beach projects as well as helping us understand critical wave processes at many of our shallow-draft navigation projects and inlets. Understanding inlet processes and our maintenance of these shallow-draft inlets rely on data from this buoy.

In addition to informing U.S. Army Corps of Engineers projects, CDIP's high-resolution directional wave data and models for the coastal US are accessed regularly by thousands of military personnel, lifeguards, coastal engineers, boaters, fishermen, harbormasters, bar pilots, marine transporters, divers, and surfers. CDIP also characterizes waves for regional coastlines, seeks to understand and predict the response of beaches to waves, and develops and validates regional sediment management models. Without these publicly available data, life and property would be at risk. In addition, CDIP enhances and expands the efforts of the Integrated Ocean Observing System (IOOS) around the country.

Sustained funding for CDIP will be crucial to ensure the maintenance of its at-sea equipment and the continuity of its data sets. Please feel free to contact me at (910) 251-4767, if I may be of assistance.

Sincerely,

Gregory L. Williams, Ph.D., P.E.
Chief, Coastal, Hydrology and Hydraulics Section

CACHALOT CHARTERS
PO BOX 348
Westport, WA 98595

January 21, 2010

Julie Thomas
Program Manager
Coastal Data Information Program
Scripps Institution of Oceanography
9500 Gilman Drive, 0214
La Jolla, CA 92093-0214

Dear Ms. Thomas:

I am writing in support of maintaining the National Data Buoy system. The reports coming off the buoys are imperative for navigation along our coast. With weather predictions being what they are, we are able to make prudent decisions in safety using the ocean information produced by the buoys. This data is important to us in the charter fleet and is also invaluable in our commercial fisheries along the coast. I strongly urge you to continue the maintenance of this buoy system.

Cordially,

Darlene Camp

Darlene Camp, Owner
Cachalot Charters