

HJR

67

# Alaska State Legislature



## Speaker of the House of Representatives

Pouch V  
State Capitol  
Juneau, Alaska 99811  
(907) 465-3720

Official Business

M-E-M-O-R-A-N-D-U-M

To: Senator Arliss Sturgulewski  
Chair, Resources Committee

Fr: Rep. Ben Grussendorf

Dt: 2 April 1986

Re: HJR 67 requesting the United States Congress  
to establish advanced all-weather satellite  
coverage of North Pacific waters

Please consider scheduling a hearing on CSHJR 67 (State Affairs). Attached please find a fiscal note and bill analysis prepared by the department of Fish and Game, and other backup material.

### Analysis

The resolution requests congress to establish and fund two elements of a weather satellite system:

- 1) Gilmore Creek Recieving station (25 miles N.E. of Fairbanks) was abandoned by NASA on October 1st of 1984. Transfer to NOAA of this facility would greatly enhance the National Weather Service's ability to gather weather data.
- 2) Fund the placement of a color scanner and other all-weather equipment on the next available satellite with a view of the North Pacific.

The recieving station, and the satellite equipment form a powerful weather forecasting system, providing data on: ocean surface temperature, the depth of the mixed layer of water, ocean color, wind/current direction and speed, and wave hieghts. Computer analysis can produce a chart highlighting the areas where fish are likly to be caught.

My interest in this information comes from an enforcement angle. Data from this satellite system will show us where the foreign fishing fleets are fishing and perhaps targeting salmon of north american origin. If we know where they are likly to be fishing the Coast Guard or other enforcement agency can consentrare their limited resources to that specific area.

The Gilmore Creek Receiving station can easily be used by the Weather Service with little capital outlay. In fact, the data line from Gilmore Creek to the weather computer in Anchorage is already in place. The station can receive data from foreign satellites like France's ERS-1 thus expanding the amount of weather information available in Alaska.

The Hawaii legislature has passed a similar resolution (attached). Other back-up information has been provided to your staff.



Official Business

# Alaska State Legislature

## House

Pouch V  
State Capitol  
Juneau, Alaska 99811

### M E M O R A N D U M

To: Minority Caucus Members  
From: Caucus staff *jan*  
Date: March 25, 1986  
RE: HJR 67 - All-weather satellite coverage - CALENDARED

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HJR 67, by Rep. Grussendorf, asks the U.S. Congress to establish all-weather satellite coverage of the North Pacific, to transfer an abandoned NASA receiving station north of Fairbanks to NOAA, and to allocate funds necessary for oceanographic color displays at the receiving stations.

The main idea behind this resolution is that by putting to use the existing satellite receiving station, together with the latest capabilities of satellites to read and interpret a wide variety of data from the ocean's surface and depths, the fishing industry will be better able to predict where schools of fish will be found. This, in turn, would make the Alaskan fishing fleet more efficient.

The State Affairs version of this resolution reflects the discovery that the NASA receiving station would be appropriate to this problem. This information was received between the time the resolution was introduced and then heard in committee for the first time.

HJR 67 has a zero fiscal note.

Offered: 3/19/86  
Referred: Resources

Original sponsors: Grussendorf, Martin,  
Herrmann, et al

1 IN THE HOUSE BY THE STATE AFFAIRS COMMITTEE  
2 CS FOR HOUSE JOINT RESOLUTION NO. 67 (State Affairs)  
3 IN THE LEGISLATURE OF THE STATE OF ALASKA  
4 FOURTEENTH LEGISLATURE - SECOND SESSION  
5 Requesting the United States Congress to  
6 establish advanced all-weather satellite  
7 coverage of North Pacific waters.  
8 BE IT RESOLVED BY THE LEGISLATURE OF THE STATE OF ALASKA:  
9 WHEREAS remote sensing of the ocean is playing an increasingly impor-  
10 tant role in fishery research, fish harvesting, and marine safety along the  
11 Pacific Coast of the United States and Canada; and  
12 WHEREAS satellite sensors give a unique view of the ocean surface and  
13 provide extensive and detailed images of sea surface temperature, color,  
14 mixed layer depth, currents, and wave action; and  
15 WHEREAS the oceanic measurements taken by the satellite are used in  
16 determining variations in ocean conditions that play key roles in causing  
17 fluctuations in stocks of fishes and their vulnerability to harvesting; and  
18 WHEREAS this timely information on the changing ocean, rather than on  
19 average ocean conditions, is necessary to understand and eventually predict  
20 the effects of the marine environment on fish populations; and  
21 WHEREAS up-to-date weather information can provide the fishing fleet  
22 accurate weather data that will increase the safety and efficiency of fish  
23 harvesting; and  
24 WHEREAS the use of satellite sensors combined with conventional data  
25 collection techniques provides a powerful tool toward ensuring the wise use  
26 of living marine resources; and  
27 WHEREAS this information can provide valuable clues as to where for-  
28 eign fishing fleets may be targeting certain North American fish stocks on  
29 the high seas; and

1 COPIES of this resolution shall be sent to the Honorable Ronald  
2 Reagan, President of the United States; the Honorable George Bush, Vice-  
3 President of the United States and President of the U.S. Senate; the Honor-  
4 able Thomas P. "Tip" O'Neill, Speaker of the U. S. House of Representa-  
5 tives; Richard E. Hallgren, Assistant Administrator for Weather Services  
6 (National Weather Service), National Oceanic and Atmospheric Adminis-  
7 tration; and to the Honorable Ted Stevens and the Honorable Frank  
8 Murkowski, U.S. Senators, and the Honorable Don Young, U.S. Representative,  
9 members of the Alaska delegation in Congress.

Introduced: 2/17/86  
Referred: State Affairs and  
Resources

BY GRUSSENDORF, MARTIN, HERRMANN,  
M.M.MILLER, BINKLEY, TAYLOR,  
GOLL, SUND, AND THOMPSON

1 IN THE HOUSE

2

HOUSE JOINT RESOLUTION NO. 67

3

IN THE LEGISLATURE OF THE STATE OF ALASKA

4

FOURTEENTH LEGISLATURE - SECOND SESSION

5

Requesting the United States Congress to

6

establish advanced all-weather satellite

7

coverage of North Pacific waters.

8

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29 the high seas; and

1 U.S. Senators, and the Honorable Don Young, U.S. Representative, members of  
2 the Alaska delegation in Congress.

# STATE OF ALASKA 1986 LEGISLATIVE SESSION FISCAL NOTE

Revision Date : \_\_\_\_\_

**REQUEST**

Bill/Resolution No. : HJR 67  
 Title : Requesting the US Congress to  
establish advanced all-weather  
satellite coverage of the North Pacific  
 Sponsor : Grussendorf  
 Requestor : \_\_\_\_\_  
 Date of Request : \_\_\_\_\_

**FISCAL DETAIL**

Agency Affected : Fish and Game  
 BRU : \_\_\_\_\_  
Fisheries Resource Conservation  
 Components : Commercial Fisheries  
 \_\_\_\_\_  
 \_\_\_\_\_

**EXPENDITURES/REVENUES : (Thousands of Dollars)**

OPERATING	FY 86	FY 87	FY 88	FY 89	FY 90	FY 91
PERSONAL SERVICES						
TRAVEL						
CONTRACTUAL						
SUPPLIES						
EQUIPMENT						
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING	0	0	0	0	0	0

CAPITAL	0	0	0	0	0	0
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REVENUE	0	0	0	0	0	0
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**FUNDING : (Thousands of Dollars)**

GENERAL FUND						
FEDERAL FUNDS						
OTHER						
TOTAL	0	0	0	0	0	0

**POSITIONS :**

FULL-TIME	0	0	0	0	0	0
PART-TIME	0	0	0	0	0	0
TEMPORARY	0	0	0	0	0	0

**ANALYSIS :** Attach a separate page if necessary

Prepared by : Robert C. Clashv Phone : 465-4210  
 Division : Commercial Fisheries Date : 3/5/86

Approved by Commissioner : \_\_\_\_\_ Date : 3/7/86  
 Agency : \_\_\_\_\_

Distribution (by Agency preparing fiscal note) :  
 Legislative Finance  
 Legislative Sponsor  
 Requestor  
 Office of Management and Budget  
 Impacted Agency(ies)



STATE OF ALASKA  
OFFICE OF THE GOVERNOR  
BILL ANALYSIS

DEPARTMENT Fish and Game	DIVISION Commercial Fisheries	BILL NUMBER HJR 67	SPONSOR Grussendorf
DEPARTMENT POSITION Support			
PREPARED BY Robert C. Clasby.	DATE 3/5/86	COMMISSIONER'S SIGNATURE <i>[Signature]</i>	DATE 3/7/86

SUMMARY

OTHER AGENCIES AFFECTED BY BILL DEC, DNR, DOT/PF, DPS	CONSTITUENT GROUP(S) AFFECTED BY BILL Marine Resource Users
ORGANIZATIONAL SUPPORT FOR BILL Unknown	ORGANIZATIONAL OPPOSITION TO BILL Unknown

FISCAL IMPACT:  NONE  FISCAL NOTE ATTACHED

BACKGROUND/LEGISLATIVE INTENT

Most likely the intent of the Legislature is to increase knowledge of oceanographic and weather conditions.

ANALYSIS OF BILL/PROGRAM EFFECTS

If the satellite system will indeed provide the information outlined in the resolution, then the system would be very helpful to the department for fisheries and marine mammals' research and management.

AMENDMENTS PROPOSED

PLEASE ATTACH A SEPARATE SHEET FOR ADDITIONAL COMMENTS OR ANALYSIS.

(To be made one and seven copies)

THE SENATE  
THIRTEENTH LEGISLATURE, 19 86  
.....

STATE OF HAWAII

S. R. NO.

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# SENATE RESOLUTION

REQUESTING THE UNITED STATES CONGRESS TO ESTABLISH SATELLITE REMOTE SENSING RECEIVING STATIONS IN HAWAII, GUAM AND MIDWAY.

WHEREAS, remote sensing of the ocean is playing an increasingly important role in fishery research and fish harvesting along the Pacific Coast of the United States and Canada; and

WHEREAS, satellite sensors give a unique view of the ocean surface and provide extensive and detailed images of sea surface temperature and color; and

WHEREAS, the oceanic measurements taken by the satellite are used in determining variations in ocean conditions which play key roles in causing fluctuations in stocks of fishes and in their vulnerability to harvesting; and

WHEREAS, this information on the changing ocean, rather than on average ocean conditions, is necessary to understand and eventually predict the effects of the marine environment on fish populations; and

WHEREAS, the use of satellite sensors combined with conventional data collection techniques provide a powerful tool toward ensuring the wise use of living marine resources; and

WHEREAS, the Japan Radio Company Limited has developed an oceanographic color display designed to receive signals from the satellite and to display in color an absolute surface temperature distribution for a large water area; and

WHEREAS, in order to provide this information to fishermen, receiving stations need to be established in Hawaii, Guam and Midway to monitor the entire Pacific region; now, therefore,

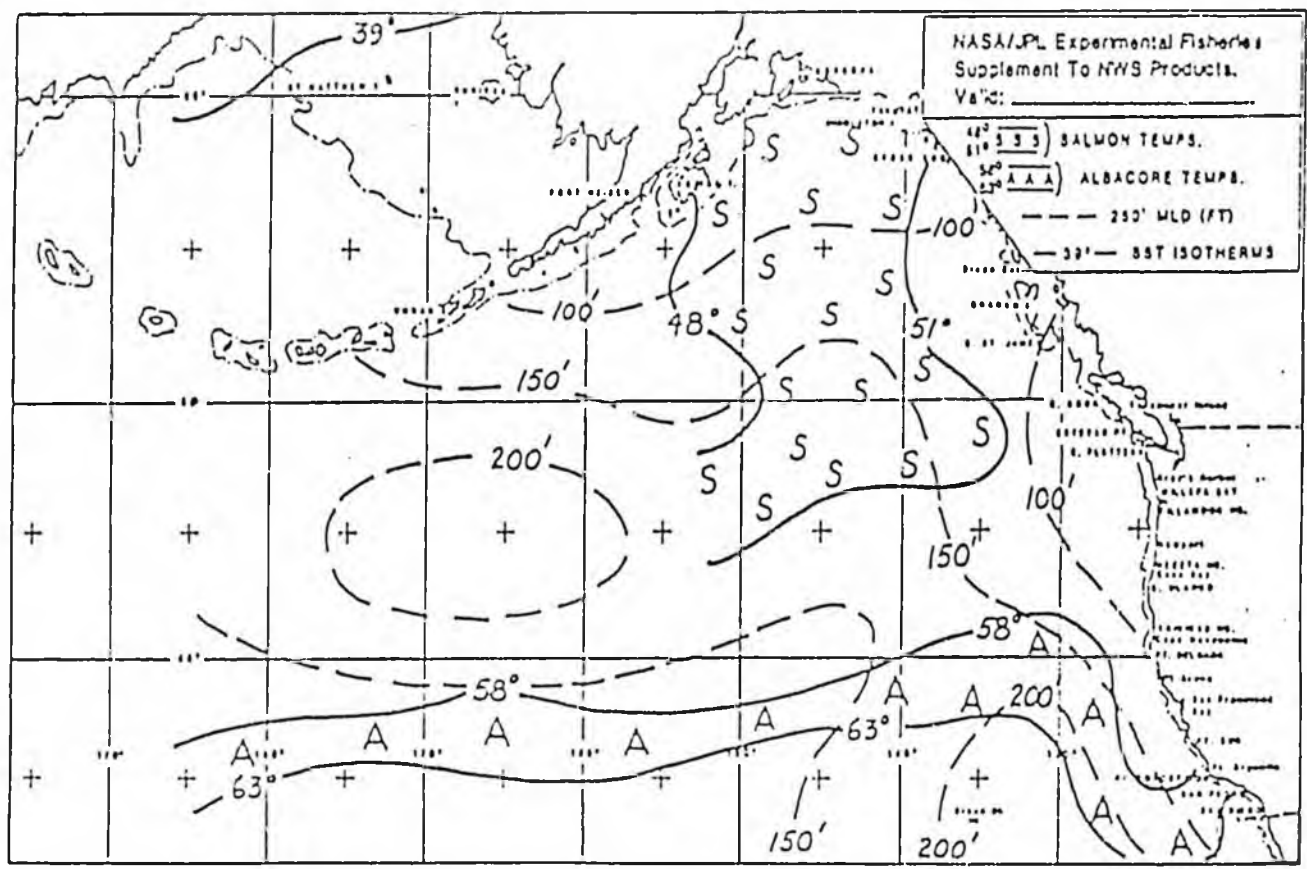
HAWAIIAN SENATE RESOLUTION

BE IT RESOLVED by the Senate of the Thirteenth Legislature of the State of Hawaii, Regular Session of 1986, that the Legislature requests that the United States Congress establish satellite remote sensing receiving stations in Hawaii, Guam and Midway to assist the fisheries industry in locating stocks of fish for harvesting; and

BE IT FURTHER RESOLVED that the Legislature also requests that funds are allocated for the purchase of oceanographic color displays for the receiving stations and for the distribution of ocean temperature information to fishermen; and

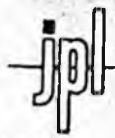
BE IT FURTHER RESOLVED that certified copies of this Resolution be transmitted to the Speaker of the United States House of Representatives, the President of the United States Senate, to each member of Hawaii's congressional delegation, to Guam's congressional delegate, and to the Secretary of the Navy.

OFFERED BY: \_\_\_\_\_



SAMPLE 3. PACIFIC BASIN (AREA 5) FISHERIES-AID CHART.






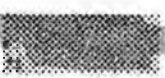
# OCEAN COLOR BOUNDARIES FROM NIMBUS-7

- 1 COASTAL GREEN WATER
- 2 GREEN TRANSITION WATER
- 3 BLUE TRANSITION WATER
- 4 DEEP OCEAN BLUE WATER
- WIND SPEED AND DIRECTION
- SEA HEIGHT AND DIRECTION

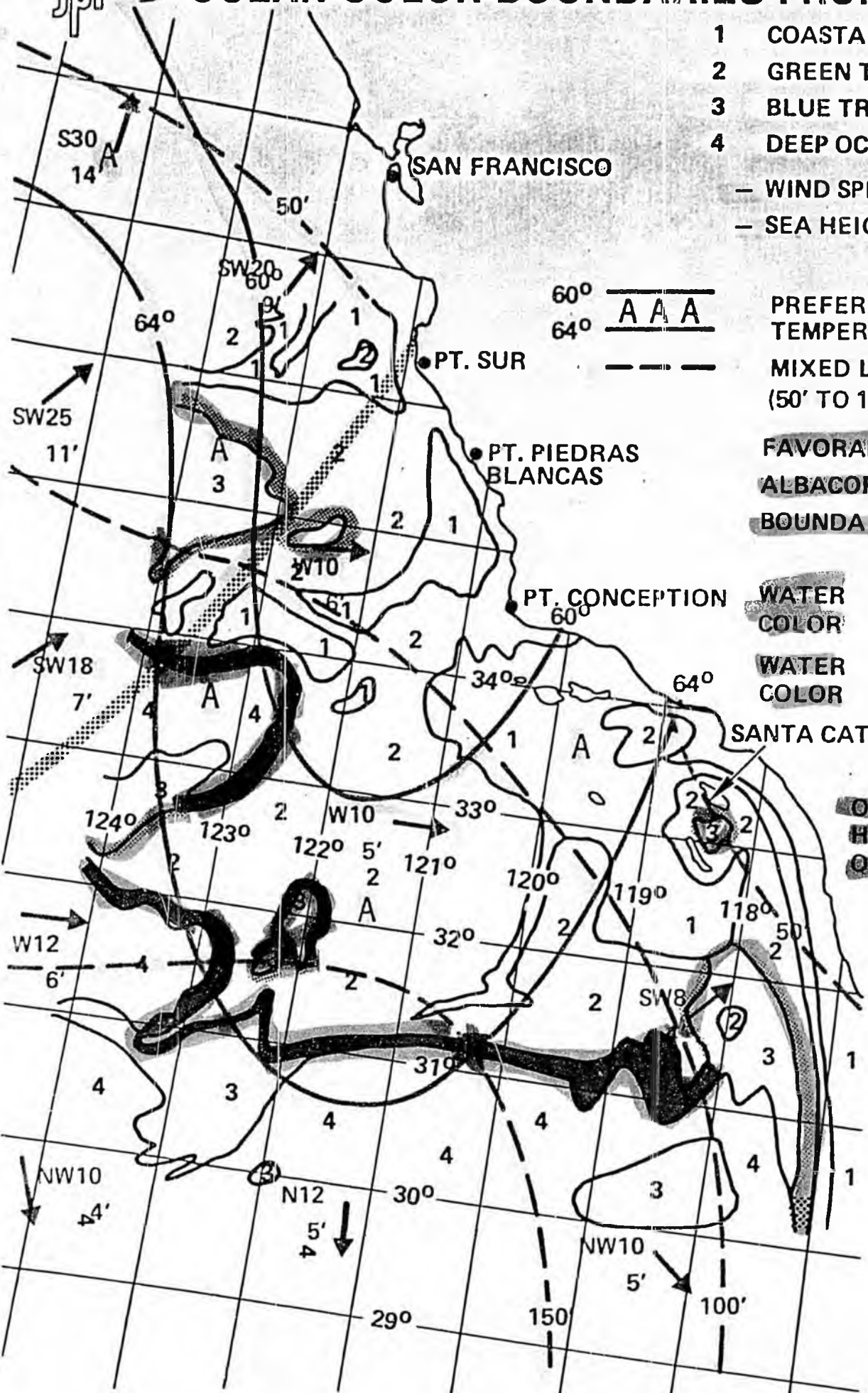
60° AAA  
 64° AAA  
 - - - - -

PREFERENTIAL ALBACORE TEMPERATURES  
 MIXED LAYER DEPTH (50' TO 150' PREFERRED)

**FAVORABLE ALBACORE BOUNDARIES**

WATER COLOR 4.2   
 WATER COLOR 3.2 

**OCEAN AREAS WITH HIGH PROBABILITY OF FISH CATCH**





**STATE OF ALASKA  
OFFICE OF THE GOVERNOR  
BILL ANALYSIS**

DEPARTMENT Fish and Game	DIVISION Commercial Fisheries	BILL NUMBER HCR 18	SPONSOR Herrmann
DEPARTMENT POSITION Favor with amendment			
PREPARED BY Robert C. Clasby <i>RC Clasby</i>	DATE 3/22/85	COMMISSIONER'S SIGNATURE <i>Arthur Henniger</i>	DATE 3/28

**SUMMARY**

OTHER AGENCIES AFFECTED BY BILL  None	CONSTITUENT GROUP(S) AFFECTED BY BILL  Bristol Bay Commercial Fishermen
ORGANIZATIONAL SUPPORT FOR BILL  Unknown	ORGANIZATIONAL OPPOSITION TO BILL  Unknown

FISCAL IMPACT:       NONE       FISCAL NOTE ATTACHED

**BACKGROUND/LEGISLATIVE INTENT**

The Division of Commercial Fisheries recently started revising the spawning escapement goals for Bristol Bay salmon, which has generated some interest as to the whys and hows of the changes.

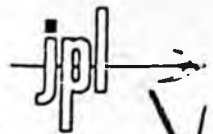
**ANALYSIS OF BILL/PROGRAM EFFECTS**

The resolution as written asks that we hold additional public information meetings on the revisions. As we have already done this, we feel any additional meetings would be redundant. We have no objection to continuing holding meetings for the 1986 season. For more detailed information, see the Commissioner's letter to Representative Herrman on HCR 18.

**AMENDMENTS PROPOSED**

Change "1985" to "1986" in line 4, page 2, of the resolution.

PLEASE ATTACH A SEPARATE SHEET FOR ADDITIONAL COMMENTS OR ANALYSIS.



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 - - - SEA HEIGHT AND DIRECTION

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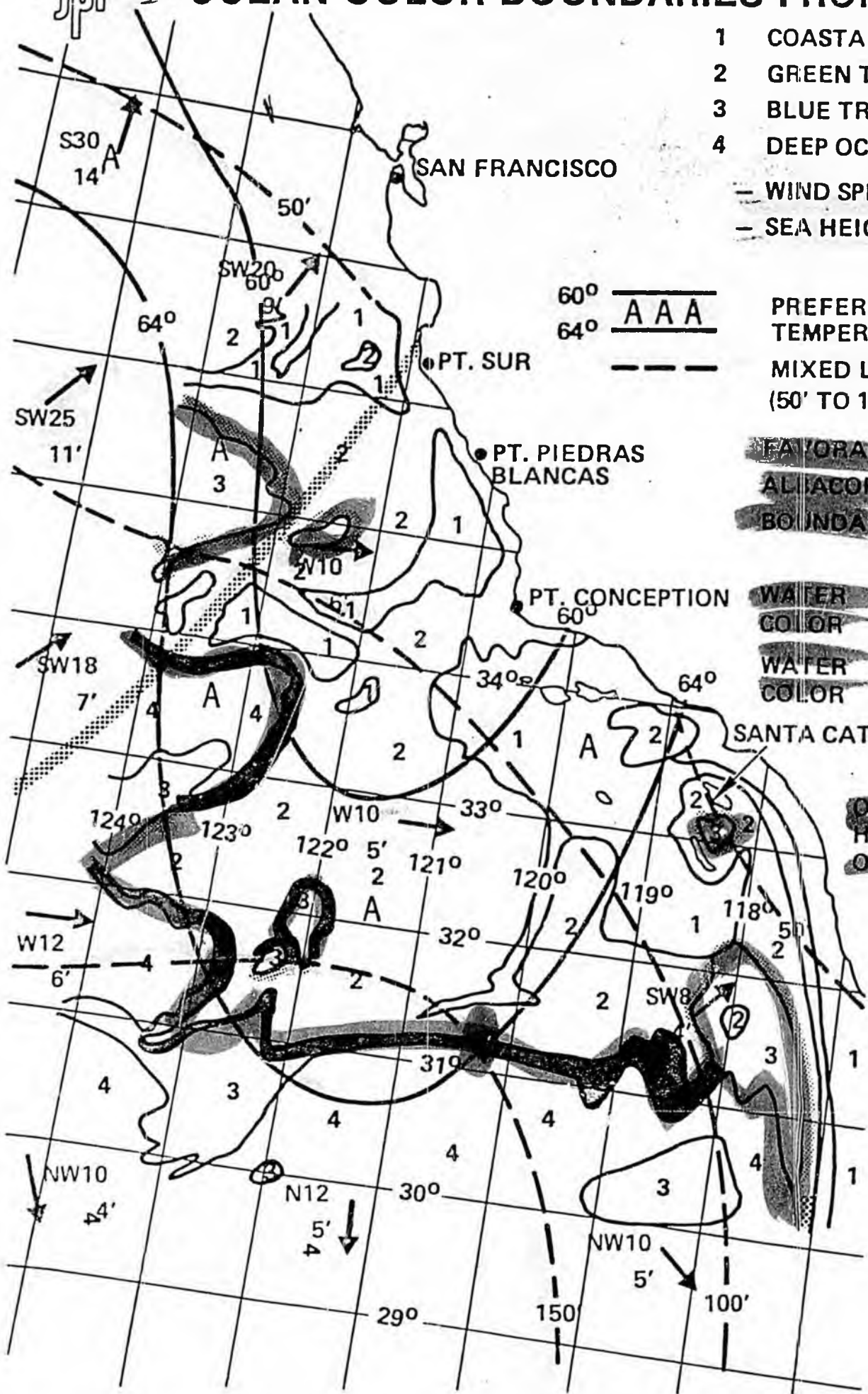
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FAVORABLE ALBACORE BOUNDARIES

WATER COLOR 4.2

WATER COLOR 3.2

OCEAN AREAS WITH HIGH PROBABILITY OF FISH CATCH



jpl

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— WIND SPEED AND DIRECTION  
 - SEA HEIGHT AND DIRECTION


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 64° AAA

PREFERENTIAL ALBACORE TEMPERATURES

MIXED LAYER DEPTH (50' TO 150' PREFERRED)

**FAVORABLE ALBACORE BOUNDARIES**

WATER COLOR 4-2 

WATER COLOR 3-2 

**OCEAN AREAS WITH HIGH PROBABILITY OF FISH CATCH**

