

S B

431

Alaska State Legislature

PRESIDENT
907-465-3755



JAN FAIKS
POST OFFICE BOX V
JUNEAU, ALASKA 99811

Senate

March 14, 1988

TO: Senate Resources Committee
FROM: Senator Jan Faiks
President of the Senate
SUBJECT: Senate Bills 432

This companion bill to Senate Bill 431 appropriates \$78,000 to the University of Alaska Arctic Environmental Information and Data Center.

The appropriation is broken down into two categories:

\$50,000	Salary, benefits and travel for the new position of Alaska Cartographic Center Coordinator.
\$28,000	Staff salaries, benefits and materials cost for a pilot program to produce a community photmap of Juneau.

OUT OF SESSION

5111 C STREET, SUITE 525 ANCHORAGE, ALASKA 99503 907-561-7610

SENATE COMMITTEE REPORT

FIRST COMMITTEE OF REFERRAL

Date of 3-10 5-DAY NOTICE
IN ACCORDANCE WITH UNIFORM RULE 23

FURTHER:

**FISCAL NOTE(S) ATTACHED **
IN ACCORDANCE WITH AS 24.08.035
(see below)

2/16/88 DATE TURNED INTO OFFICE _____
Mr. President:

Resources _____ Committee considered SB 431

establishing the Alaska Cartographic Center; efd

and recommended:

- replace with CS _____ same title
 - attached amendment(s) and new title
 - do pass
 - do not pass
 - no recommendation
 - individual recommendations
 - further referral to _____
 - letter of intent adopted and attached
- ** Committee attached or adopted fiscal note(s)
 zero fiscal impact

MEMBERS SIGNING DO PASS

OTHER RECOMMENDATIONS

Jim DeLuca
Archie Sturgis

Paul Fitch (No Rec)

Chairman Signature

 Chairman signature and recommendation

Committee Backup Attached

Alaska Society of Professional Engineers

MEMBER LIST

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Alaska Section
AMERICAN CONGRESS ON SURVEYING AND MAPPING

P.O. Box 3761
Anchorage, Alaska 99510

March 8, 1988

Senator Jack Coghill, Chairman
Senate Resources Committee
P.O. Box V (MS 3100)
Juneau, Alaska 99811

Re: SB 431 and 432
Establishing the Alaska Cartographic Center

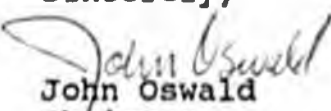
Dear Senator Coghill:

This letter is in support of passage of Senate Bills 431 and 432, relating to establishment of an Alaska Cartographic Center. Recently the executive board of this professional society voted to support passage of these bills. The Center would provide a focal point for Alaska mapping information and products and produce an initial pilot project map specifically to enhance tourism opportunities.

The Center would be within the AEIDC of the University of Alaska system. AEIDC has a staff of cartographers but no defined role as a coordinator. Although many agencies in Alaska possess cartographic capabilities, there is often a lack of coordination. There is no single reference document of cartographic materials currently available. The Center would be designated to coordinate these efforts and be a single source where map products could be located. SB 432 will fund the program and produce the initial tourist map of the Juneau area.

Mr. C. A. Herschbach, an ACSM-Alaska Section director, will be testifying before your committee on March 14 on behalf of the ACSM-Alaska Section. He will be able to further explain the details of the Center and what the near term benefits will be from this more coordinated effort within the state government.

Sincerely,


John Oswald
Chairman

cc: AEIDC

Alaska State Legislature



PRESIDENT
907-465-3755

JAN FAIKS
POST OFFICE BOX V
JUNEAU, ALASKA 99811

Senate

March 14, 1988

TO: Senate Resources Committee
FROM: Senator Jan Faiks
President of the Senate *Jan*
SUBJECT: Senate Bills 431

At the beginning of this session, I was contacted by David Hickok, the director of the Arctic Environmental Information and Data Center (AEIDC) regarding a proposal to aid Alaska's tourist industry.

Both he and Ray Norman, the AEIDC senior cartographer were concerned that Alaska is not doing enough to provide the best possible map products which have regional and local focus and aid the tourists. To quote directly from their proposal:

"Millions of dollars are being appropriately dedicated to attract tourism, but nothing is being spent to develop the maps that the tourist expects to find once he gets here. Though the Rand McNally Map that the Tourism Division sends in response to inquiries may fill the basic need, we suggest that it is an embarrassment that the state has not utilized its collective talents to produce maps that specifically promote Alaska."

Therefore, Senate Bill 431 would establish the Alaska Cartographic Center within AEIDC and a position of state cartographic coordinator. The primary responsibility of the coordinator would be to collect, reference and coordinate all current and future map products produced by the various state and federal agencies and the private sector. It would also provide continuity in the availability of the surveying and mapping information contained within the numerous federal, state, and local entities and private sector.

OUT OF SESSION

STATE OF ALASKA
1988 LEGISLATIVE SESSION

BILL VERSION: SB 431

PUBLISH DATE: _____

FISCAL NOTE

REQUEST:

Revision Date: March 14, 1988
 Title: an act establishing the Alaska
 Cartographic Center; eff. date
 Sponsor: Sen. Faika & Szymanski
 Requestor: Senate Resources

Agency Affected: University of Alaska
 BRU: UAA Organized Research
 Components: _____

EXPENDITURES/REVENUES: (Thousands of Dollars)

OPERATING	FY 88	FY 89	FY 90	FY 91	FY 92	FY 93
PERSONAL SERVICES		46.5	47.9	49.3		
TRAVEL		3.5	3.8	4.0		
CONTRACTUAL		28.0	28.8	29.7		
SUPPLIES						
EQUIPMENT						
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING		78.0	80.5	83.0		

CAPITAL	FY 88	FY 89	FY 90	FY 91	FY 92	FY 93

REVENUE	FY 88	FY 89	FY 90	FY 91	FY 92	FY 93

FUNDING: (Thousands of Dollars)

GENERAL FUND		78.0	80.5	83.0		
FEDERAL FUNDS						
OTHER						
TOTAL						

POSITIONS:

FULL-TIME		1	1	1		
PART-TIME						
TEMPORARY						

ANALYSIS: (Attach a separate page if necessary)

Contractual Services in FY90 include Jensen Geospatial Map Pilot Project Preparation and Production; in FY90 and FY91 development of future products inflation at 3% annually. New position is cartographic facilitator.

SEE ATTACHED ANALYSIS

Prepared by: Willie Bensenbrink Phone: 279-4523
 Division: Arctic Environmental Information & Data Center Date: 3/11/88

Approved by: [Signature] Date: 3/11/88
 Agency: VP Finance, University of Alaska

Distribution (by preparer):

- Legislative Finance
- Legislative Sponsor
- Requestor
- Office of Management and Budget
- Impacted Agency(ies)

Continuation of Fiscal Note Analysis

Senate Bill 431

AEIDC currently maintains--almost wholly supported by contractual income--a staff of five expert, professional cartographers and graphic artists. This staff is adequately supported with space and equipment facilities, as well as administrative oversight. The appropriation of funds for the functions of an Alaska Cartographic facilitator to be fulfilled by an AEIDC senior cartographer would achieve the continuity and support necessary to maintain and increase efficiencies in Alaska map production in general and provide continuity in the development of new tourism map material.

Product funding for the first year would provide for the development and production of a Juneau community photo map promoting tourism. Future funding would provide base support for the tourism map products for the State of Alaska as well as specific regions and communities, to be agreed upon at the conclusion of the pilot project, and would provide program continuity.

It is assumed that full and actual production costs for future products will be borne by a combination of this program, communities and other benefitting entities.

No new positions will be created.

TESTIMONY

OF

WILLY RESENBRINK
EXECUTIVE OFFICER
ARCTIC ENVIRONMENTAL INFORMATION AND DATA CENTER
UNIVERSITY OF ALASKA

ON
SB 431 AND SB 432

BEFORE
SENATE RESOURCES COMMITTEE
JUNEAU, ALASKA

MARCH 14, 1988

Mr. Chairman, my name is Willy Rensenbrink. I serve as executive officer of the Arctic Environmental Information and Data Center (AEIDC), University of Alaska. Thank you for this opportunity to appear here today to testify on SB 431 and SB 432. With me is my colleague Ray Norman, a professional cartographer at AEIDC.

Alaska's economic situation makes it incumbent upon everyone to seek ways and means of improving day-to-day efficiencies throughout the work place--both public and private. We must also seek new ways of enhancing our economy. We believe SB 431 illustrates a way of accomplishing these objectives in a small but important way.

Today there are more than 25 state, federal and local government units which maintain cartographic production capabilities in Alaska. This is due in part to the recognized and different mission-oriented needs of each unit; nevertheless, certain common needs and activities exist. AEIDC, a unit of the University of Alaska, has since its inception in 1972 worked to facilitate the production of maps and atlas products to meet the

publication and information dissemination needs pertinent to natural resource and science issues. In addition to our production of maps, AEIDC has given professional advice to, and produced map and atlas products for, many agencies; in the aggregate, and through this collaborative activity, AEIDC has an unmatched cartographic record in Alaska.

We believe that this past ad hoc collaborative and service role could be more formally recognized and utilized, thereby saving costs by: providing a more complete cartographic information and production base for agency use; and by facilitating efforts to provide the means for better use of the State's mapping resources.

The advantages of undertaking a statewide program are clear in:

- direct financial benefit by eliminating potential duplication of efforts;
- constituent benefit through cooperation of agency efforts toward common goals;
- increased problem-solving ability through agency cooperation; and
- uncertainty reduction through shared information and technology.

AEIDC can help facilitate this by providing through its cartographic unit:

- research for and production of a directory of cartographic services and products available in Alaska;
- publication of a current mapping "profile" wherein agency and private sector activity in Alaska map production, both ongoing and planned, is reported;

- assistance to agencies or private sector firms by providing an awareness of existing map bases available to meet individual production needs at various scales and projections;
- establishment of a coherent interagency and private sector forum to encourage cooperative efforts toward the common goal of improving the mapping industry in Alaska;
- maintenance of an Alaskan cartographic reference file of current mapping products and information so that anyone can find out where to get certain maps, products, and professional services; and
- capability for the production of cartographic products beyond the scope of priority of others and as requested either through joint efforts or solely as products of the Alaska Cartographic Unit at AEIDC.

In summary, the goal we perceive for the Alaska Cartographic Unit is to provide a needed and meaningful focal point for Alaska mapping information and products.

Mr. Chairman, I have some of our map products with us for the committee to look at, and both Mr. Norman and I are available to answer your questions.

Thank you.

Arctic Environmental Information and Data Center
707 A Street
Anchorage, Alaska 99501



PHONE (907) 279-4523

UNIVERSITY OF ALASKA - ~~XXXXXXXXXX~~

February 2, 1988

Mr. Anthony Smith, Commissioner
State of Alaska Department of
Commerce and Economic Development
P.O. Box 3 (MS 0800)
Juneau, AK 99811

Dear Commissioner Smith:

Attached is a conceptual proposal that addresses an area of need that could significantly improve Alaska's tourism industry.

The successful "Sunmap" program developed by the State of Queensland, Australia was brought to our attention as having equal potential for Alaska. The University of Alaska, Arctic Environmental Information and Data Center, approached the Division of Tourism and determined there is an extreme need for similar map products to promote tourism from Alaska's point of view.

Your consideration and assistance in implementing this concept for the economic benefit of Alaska is appreciated.

Sincerely,

David M. Hickok
Director

DMH:jlh
66G/002b

FEB 26 1988

Arctic Environmental Information and Data Center
707 A Street
Anchorage, Alaska 99501



PHONE (907) 279-4523

UNIVERSITY OF ALASKA - ~~FAYREBANKS~~

February 23, 1988

Senator Jan Faiks
President of the Senate
Alaska State Legislature
P.O. Box V (MS 3100)
Juneau, AK 99811

Dear Senator Faiks:

Thank you for your interest in the proposed Alaska Cartographic Center as evidenced by SB431 and 432. We are encouraged by your support and excited about the opportunity this legislation can provide in bringing the Alaska Mapping industry into focus.

In the attached "Situation Report," we are providing additional information regarding the functions that could be performed by the Alaska Cartographic Center. We welcome your comments concerning that report.

Additionally, we have enclosed some examples of the Arctic Environmental Information and Data Center's map publications and a representative Australian tourist map in support of the tourist map proposal.

If we can be of any further assistance in this or other matters, please let us know.

Sincerely,

A handwritten signature in cursive script that reads "David M. Hickok".

David M. Hickok
Director

DMH:jlh
33A/285

SITUATION REPORT

ALASKA CARTOGRAPHIC CENTER/SB431 & 432

The recent decline in fiscal resources attendant with falling oil revenues makes it imperative for government to seek ways and means of improving day-to-day efficiency. Today there are more than 25 state, federal, and local government units which maintain cartographic production capabilities. This redundancy is due in part to the respective mission needs of each unit as well as to problems associated with effecting instruments of intragovernmental and intergovernmental cooperation. The Arctic Environmental Information and Data Center (AEIDC), a unit of the University of Alaska, has since its inception in 1972 worked in part to coordinate mapping, natural resource, and science needs in this role has given professional advice to and produced map and atlas products for many agencies. This past ad hoc role could be more formally recognized and utilized, thereby saving costs of duplicative cartographic services.

The advantages of such a coordination effort are clear in:

- ° direct financial benefit by eliminating potential duplication of efforts;
- ° constituent benefit through cooperation of agency efforts toward common goals;
- ° increased problem-solving ability through agency cooperation; and
- ° uncertainty reduction through shared information and technology.

These advantages can be realized through the functions provided by the proposed Alaska Cartographic Center at AEIDC as follows:

- ° research and production of a directory of cartographic services and products available in Alaska;

- ° production of a current mapping profile of agency activity, both ongoing and planned;
- ° facilitate individual agency mapping needs by providing awareness of existing base map projections available to meet these needs;
- ° facilitate a coherent interagency and private sector working group to encourage cooperative efforts toward the common goal of improving the mapping industry in Alaska;
- ° maintenance of an Alaskan cartographic reference file of current mapping products and where they are available and establish a public point of contact for Alaska mapping information, referral, and cartographic advisory services; and
- ° facilitate the production of cartographic products beyond the scope or priority of others and as requested either through joint efforts or solely as products of the Alaska Cartographic Center.

The resulting goal of the Alaska Cartographic Center would be to provide a focal point for Alaska mapping information and products.

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

OFFICE OF THE COMMISSIONER

STEVE COWPER, GOVERNOR

400 WILLOUGHBY AVE.
JUNEAU, ALASKA 99801-1796
PHONE: (907) 465-2400

March 11, 1988

The Honorable Jack Coghill
Chairman, Senate Resource Committee
P.O. Box V
Juneau, Alaska 99811

Dear Senator Coghill:

Subject: Senate Bill 431, which establishes the Alaska Cartographic Center within the Arctic Environmental Information and Data Center.

Position: The Department of Natural Resources supports the idea of establishing a cartographic center that includes a reference file for state cartographic products. Many state agencies, as well as the University of Alaska, produce professional, cost effective cartographic products.

We are, however concerned that establishing the position of state cartographic coordinator to oversee the cartographic product preparation of state agencies will add another layer of bureaucracy to state government and make it more time consuming and costly for agencies to produce map products.

Recommendation: We recommend that section 1.(3), page 1 lines 22-24, be deleted; Section 1.(5) page 1 line 28, through page 2 line 3, be deleted; and page 2 lines 23-24 be deleted.

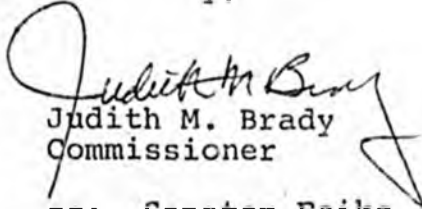
Senator Coghill

-2-

March 11, 1988

Please let me know if you would like additional information about Department of Natural Resources cartographic capabilities and products.

Sincerely,



Judith M. Brady
Commissioner

cc: Senator Faiks
Senator Szymanski
Senate Resource Committee
Bob Evans
Rod Swope
Bob Forbes

bcc: All Division Directors

JMB/phd

FISCAL NOTE

REQUEST:

Revision Date: March 11, 1988
Title: AK Cartographic Center
Sponsor: Sen Faiks, Sen. Szymanski
Requestor: Senate Resources Committee

Agency Affected: Natural Resources
BRU: Management and Admin., et al
Components: _____

EXPENDITURES/REVENUES: (Thousands of Dollars)

OPERATING	FY 88	FY 89	FY 90	FY 91	FY 92	FY 93
PERSONAL SERVICES						
TRAVEL						
CONTRACTUAL						
SUPPLIES						
EQUIPMENT						
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING	-0-	-0-	-0-	-0-	-0-	-0-
CAPITAL						
REVENUE						

FUNDING: (Thousands of Dollars)

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

POSITIONS:

FULL-TIME						
PART-TIME						
TEMPORARY						

ANALYSIS : (Attach a separate page if necessary)

Prepared by: Carol Wilson Phone: 465-2400
Division: Commissioner's Office Date: 3/11/88

Approved by Commissioner: *Judith M. B...* Date: _____
Agency: Natural Resources

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

ALASKA DEPARTMENT OF COMMERCE AND ECONOMIC DEVELOPMENT
DIVISION OF TOURISM
TOURIST MAPS AND COMMUNITY PHOTOMAPS

INTRODUCTION

The state of Alaska and the Division of Tourism are actively promoting tourism as one effort to stabilize our economy. There is currently a need for adequate cartographic products, such as tourist maps and community photomaps, that will promote tourism. This proposal suggests utilization of the University of Alaska's Arctic Environmental Information and Data Center's (AEIDC) cartographic/graphic artist staff (via direct RSA) to produce cartographic products designed specifically to promote Alaska's tourism industry by providing the tourist with a product that will enhance his visit upon arrival. AEIDC has had the opportunity to work previously with both state and federal agencies in providing top quality cartographic products (both published and for display) and feel we can make a valuable contribution to your endeavor.

The proposal is presented in the following manner:

1. Introduction
2. Background
3. Objective
4. Work Plan
5. Cost Estimate
6. Resumes

BACKGROUND

The state of Alaska is faced with the continuing challenge of developing its considerable resources and thereby establishing a healthy economy that will allow our state to grow. This challenge is quite similar to that faced by the State of Queensland, Australia. There, the Minister for Lands,

Forestry and Mapping, and Surveying, W. H. Glasson, has implemented a program based on a philosophy that

". . . surveying and mapping information is the foundation of all development within the state. It is the key to efficient planning."

The Queensland mapping program is multifaceted, covering many types of maps including one series that specifically meets the needs of the tourist industry. Their overall program is a cooperative effort between state government and local authorities (including the private sector) sharing the production costs. Through proper marketing, they recover funds needed to periodically revise and offset production costs. Their program has proven successful as is evidenced in their annual report describing their Sun Map Centers.

Today Alaska is without a program within its structure to provide continuity in the availability of the surveying and mapping information contained within the numerous federal, state, and local authorities (including the private sector). How are we to effectively manage the development of our state when we don't know who has the most current information, and how do we make that information available to those who have the need? There needs to be a program established to coordinate, centralize, collect, and if necessary, produce (or coordinate production) of mapping and surveying projects and products that are needed for state development. Alaska should carefully consider and, we suggest, adopt a program patterned after the Queensland's program. This is a very large task, and AEIDC will continue to explore opportunities for realizing this goal with the state. However, an important first step would be to address the applications specific to the tourism industry.

Millions of dollars are being appropriately dedicated to attract tourism, but nothing is being spent to develop the maps that the tourist expects to

find once he gets here. Though the "Rand McNally Map" that the Tourism Division sends in response to inquiries may fill the basic need, we suggest that it is an embarrassment that the state has not utilized its collective talents to produce maps that specifically "promote" Alaska. Needed for this purpose is a complete series of map products having both regional and local focus. Marketed properly, it would recover funds needed to periodically revise and offset production costs such as the "Sun Map Centers of Queensland" have done.

Of note, the basic artwork used to develop the subject tourism maps can, with minor alterations, be reformatted for a large variety of other informational mapping products, without the cost of originally developing the base map artwork. Further, it may well prove possible to use federal mapping artwork as a base for future mapping projects having the tourist in mind.

This proposal does not suggest reinventing the wheel--but rather establishing a program to better manage the considerable mapping and surveying information already at our disposal and mold that into a tool that will meet our future needs, both private and public, and at the same time eliminate duplicating efforts.

OBJECTIVES

The principal objective of the proposal is to assist the promotion of the tourism industry within Alaska by producing cartographic products designed to enhance the visit of the tourist. The objective would be accomplished through design and production of the following cartographic products from initial mockups through final printing stage:

1. Community photomaps that concentrate on locations of high tourist interest and economic hubs.

2. A statewide tourist map that will enhance overall trip planning and emphasize locations targeted for tourist development.
3. Regional tourist maps that promote regional areas and provide very specific information to enhance the tourist's visit there.

These products would be designed to guide the visitor to places we want them "not to miss" once they have arrived in Alaska.

WORK PLAN

COMMUNITY PHOTOMAPS

Community photomaps are identified as the first task because it is the quickest product to prepare to take advantage of the 1988 tourist season. AEIDC proposes to prepare these maps for the three economic hubs of Alaska--Juneau, Fairbanks, and Anchorage, using Juneau as the pilot product. An 18" x 24" format is assumed and would resemble the "Sun Map Photomap" produced by the State of Queensland, Australia.

- A. A preliminary mockup would be prepared incorporating design elements (including: format allowing printing in Alaska; paper; fold design; text criteria; photos; etc.) for review and approval prior to development of final artwork. A team of cartographers and graphic designers would work together under direction of a principal investigator with a cartographic background.
- B. State review/approval of preliminary mockup showing basic format.
- C. Research of suitable aerial photos to be used for the photomap would result in photo recommendations. Should suitable aerial photography not be available, arrangements for an aerial photo mission would need to be made.

- D. Promotional text and photos would be researched and written considering what would be most valuable and interesting in improving the tourist's visit. Space allocations for text would be established previously by the approved mockup. Writers and editors experienced in publications for public use are added to the team for this stage.
- E. State review/approval of text materials.
- F. Final design mockup prepared using approved materials. Typesetting takes place at this stage.
- G. State review/approval of final design mockup.
- H. Final artwork on map and text materials would be prepared in accordance with the approved mockup including: pasteup of written information, enlargement and color separation of photography, and preparation of any additional pre-separated art that is required to provide camera-ready materials.
- I. A state review/approval of artwork would be conducted prior to preparation of composite negatives and chromalin proofs.
- J. Approved chromalin proofs and final negatives would be delivered to the printer. AEIDC could coordinate and supervise the printing of the final product. For economic purposes, the initial printing quantity is recommended at 20,000 copies minimum. (Printing cost per unit decreases as quantity increases.)

A similar work plan would be developed for Fairbanks, Anchorage, and any other priority community selected. Specific costs would vary; e.g., Anchorage, where a mosaic might be required from several vertical aerial photos to provide complete coverage.

ADDITIONAL PRODUCTS

Pending concept approval, detailed work plans and cost estimates would be developed and presented for a statewide tourism map and regional tourism maps. AEIDC would be pleased to work together in developing these or any other map formats needed by the state.

DIVISION OF TOURISM
 TOURIST MAPS AND COMMUNITY PHOTOMAPS

Estimate of Costs

TASK I--COMMUNITY PHOTOMAP OF JUNEAU

A. SALARIES AND STAFF BENEFITS

Design	40 hrs @ \$25.50	\$ 1,020
Text Research & Writing	40 hrs @ \$23.41	936
Editing	20 hrs @ \$26.71	534
Production	120 hrs @ \$24.14	2,897
Secretary	20 hrs @ \$20.29	406
Management/Meetings	20 hrs @ \$24.14	<u>483</u>

Total Salaries and Benefits

\$ 6,276

B. MATERIALS

Scribecoat, Cert & Strip, Mylar, CPFab, Proofing Material

250

C. SERVICES

Typesetting	16 hrs @ \$45.00	\$ 720
Negatives		200
Color Separation & Chromalins		2,500
Aerial Photo Transparencies*		300
* \$5,000 to \$6,000 if a new photo mission is required		
Four-color Printing and Folding for 20,000 copies		<u>9,500</u>

Total Services

13,220

D. TOTAL TASK I DIRECT COSTS

\$ 19,746

E. TOTAL TASK I INDIRECT COSTS @ 40%

7,898

F. TOTAL TASK I COSTS ESTIMATE

\$ 27,644**

** Per Unit Average Cost for 20,000 is \$1.38

FISCAL NOTE

Position of Alaska Cartographic Coordinator	
Salary	\$38,000
Staff Benefits	<u>8,500</u>
	46,500
Coordinator Travel	3,500
Juneau Pilot Project Tourism Map	
Preparation and Production	<u>28,000</u>
	\$78,000

NOTE

AEIDC currently maintains--almost wholly supported from contractual income--a staff of five expert, professional cartographers and graphic artists. This staff is adequately supported by space and equipment facilities and administrative oversight. The appropriation of funds for the position of an Alaska Cartographic Coordinator would achieve the continuity and support necessary to achieve direction and efficiencies in Alaska map product production.