

Public-data File 86-44

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS
MONTHLY REPORTS FOR JUNE, JULY, AND AUGUST 1977

By

Staff

Alaska Division of
Geological and Geophysical Surveys

June 1986

THIS REPORT HAS NOT BEEN REVIEWED FOR
TECHNICAL CONTENT (EXCEPT AS NOTED IN
TEXT) OR FOR CONFORMITY TO THE
EDITORIAL STANDARDS OF DGGS.

794 University Avenue, Basement
Fairbanks, Alaska 99709

RESOURCE INVESTIGATIONS

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYSTO: Ross G. Schaff
State Geologist

DATE: August 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Gilbert R. Eakins
GR E Chief Mining GeologistSUBJECT: Monthly report
July 25 thru August 25, 1977

A. Consultations

State and Federal

<u>Agency</u>	<u>Date</u>	<u>Topic</u>	<u>Results</u>
1. Joint session with USGS, USBM, LUPC in Anchorage	8/1 - 8/2	Mineral Inventory	Agreed to re-do hard minera and uranium inventories.
2. ERDA-Bendix	Several	Contract for doing 2,000 U analyses	Sent details of program to Bendix.
3. Div. of Lands	8/10	Mineral Inventory	Requested 12 1:250,000 mineral potential maps.

B. Research

1. Visited permafrost tunnel (CRAAL) at Fox.
2. Wrote summary of Lake Clark project for Mines Bulletin.
3. Compiled uranium and hard minerals inventory maps for Division of Lands -
required several days.
4. Organizing data and samples from Lake Clark field project.

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYSTO: Ross G. Schaff
State Geologist

DATE: July 27, 1977

FILE NO:

TELEPHONE NO:

FROM: Wyatt G. Gilbert
Geologist *W.G.*SUBJECT: Monthly report
June 25 thru July 25

A. Consultations

<u>Agency</u>	<u>Date</u>	<u>Topic</u>	<u>Results</u>
I. Federal			
1. USBM (R. Lambeth)	7/11-14	Mineral resource of Lake Clark area	Coordinate field activities.
2. USGS (W. Nelson)	7/5	Geology of Lake Clark quadrangle	Coordinate field activities.
3. USGS (D. Jones, N. Silberling)	7/20	Fossils of SW Alaska & geology of Alaska Range	Made arrangements to have DGGs fossils identified.
II. Other			
1. Peter Cony (Middlebury College)	7/18	Tectonics of Alaska	Confirmed some of my prejudices.

B. Conferences - - None

C. Research

I. Accomplishments

- In field 6/15 - 7/14.
(Completed basic field mapping of Lake Clark B-5 quadrangle and vicinity.)

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ALASKA
DIVISION OF
GEOLOGICAL &
GEOPHYSICAL
SURVEYS
JUL 27 1977

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYSTO: Ross G. Schaff
State Geologist

DATE: August 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Wyatt G. Gilbert
Mining GeologistSUBJECT: Monthly report
July 25 thru August 25

A. Consultations

Agency	Date	Topic
1. Federal (F. Weber, H. Foster)	8/22-8/23	Alaska Range-Tanana Uplands correlation

B. Conferences - none

C. 1. Accomplishments

1. 8/1 - 8/15 in field (Lyman Hills).
2. 8/19 - in field (Alaska Range).
3. Other time spent organizing field data.

STATE
of ALASKA

MEMORANDUM

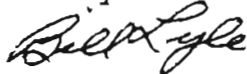
DEPARTMENT OF NATURAL RESOURCES
Division of Geological and Geophysical Survey

TO: [Ross Schaff

DATE : July 28, 1977

FROM: Bill Lyle

SUBJECT: Monthly Report



Project Status

Kodiak Project

Final draft will be released for review within two weeks. Sitkaneak measured section was completed on foot this year and will be added to the report.

Alaska Peninsula

We had a very productive season combining petroleum evaluations with geochemical stream analysis and gravity work. All units from Jurassic to Pliocene age were examined and sampled. Our efforts were mainly concentrated of the Tertiary. Coals were also measured and sampled in detail.

Future Projects

There are still about 15-25 more days of productive work that can be used to complete several of the measured sections.

Several of the intrusive bodies have scarn zones that have varying degrees of mineralization. Although it will be a slow task, it is recommended that all of these be sampled and analyzed.

Geochemical work and a uranium search can be continued during bad weather days at higher elevations.

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: July 26, 1977

FILE NO:

TELEPHONE NO:

FROM: Richard D. Reger *DRR*
Geologist

SUBJECT: Reports completed between
July 1, 1976 and July 1, 1977

During the period of time indicated above I completed 3 individual reports and 2 book reviews.

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JUL 26 1977

Div. of Geological Survey
Anchorage

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: August 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Richard D. Reger *RRR*
Geologist

SUBJECT: Monthly report
July 25 thru August 25

- A. I was involved in the following consultations during the period July 25 thru August 25, 1977.
1. (7/25) - Discussed Delta-Clearwater barley project with Margo Pain, John Dunker, and Gary Johnson (ADL).
 2. (7/28) - Talked with Duane Packer (Woodward-Lundgren Consultants) re status of Big Delta A-4 report.
 3. (8/1 - 8/2) - Meeting with Joint Federal-State Land-Use Planning Commission re Alaska's natural scenic values.
 4. (8/3) - Talked with John Salovaara (ADL) re geologic hazards of Kenai Peninsula.
 5. (8/11) - Discussed cement potential in Alaska with John A. Ames (Alpha Portland Cement Company).
 6. (8/17) - Talked with Tom Hamilton (USGS) re his mapping of surficial geology in the Brooks Range.
 7. (8/19) - Discussed rock quarrying projects with Mike Davenport (USEPA).
 8. (8/23) - Talked with Bob Ritchie (Alaska Biological Research) re person to identify areas of unique and representative geologic features in Interior Alaska (Park Service project).
- B. I conducted research on the following project during the period July 25 thru August 25, 1977.
1. Mapping surficial geology of southern Kenai lowlands.
- C. Status of reports and publications.
1. Interpretation of surficial geology of southern Kenai lowlands is 99.99% completed. Still have about one month's work to complete the project for DNR Planning and Research Section. Three maps will be published as AOF-112.
 2. The geologic and materials maps for the materials and hazards report of the coast from Kenai to Fox River are completed. The report is in the final stages of preparation and should be ready for final typing early next week.
- D. Miscellaneous
1. Jeff Kline is working full-time on his photointerpretation of the Little Susitna River valley and is inventorying the field equipment presently in the Fairbanks office.
 2. Cheri Carver returned 8/23 and is giving much needed assistance on the southern Kenai project before starting her mapping of the surficial geology of the Willow Creek drainage and the proposed capital site.

STATE
of ALASKA

MEMORANDUM
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE. October 17, 1977

FILE NO.

TELEPHONE NO.

FROM: Gar H. Pessel *GP*
Petroleum Geologist

SUBJECT. Monthly Report:
August 1977

A. Consultations

1. Discussed NPRA programs with USGS, C.G. Mull (7-25-77).
2. Discussed oil and gas with FSLUPC (8-1 and 8-2-77).
3. Discussed geothermal data with Batelle Corp. (8-24-77).
4. Discussed limestone and coal with Alpha Portland Cement (8-24-77).

B. Miscellaneous

1. Oil and gas priority map revision.
2. Vacation August 15-19.
3. Report on NPRA status.

MEMORANDUM

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

State of Alaska

TO: Ross G. Schaff
State Geologist

DATE: August 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Thomas K. Bundtzen
Mining Geologist

TKB

SUBJECT: Monthly report
July 25 thru August 25Work AccomplishmentsJuly 27 - August 16

Field investigations in the eastern Iditarod and western McGrath quadrangles supporting field operations with an inflatable boat. We were able to map most of the first ridgelines away from the Kuskokwim River as well as the Roundabout Hills and Takotna Mountain. Several plant fossil localities including an Inoceramus(?) pelecypod were found in the sedimentary rocks.

August 17 - 20

Cataloging geochem samples and hand specimens from Bonanza Hills and Kuskokwim projects. Sent the appropriate samples down to Potworowski for analyses.

August 18

Summarized for Ross the contributions I've made during Fiscal year 1977.

August 20 - 23

Field investigations with Florence Weber and Helen Foster, USGS, comparing metamorphic sections of the Central Alaska Range and the Yukon-Tanana uplands.

August 23 - 25

Writing up summaries of field investigations for Frank Larson and the Mines Bulletin.

Correspondence with Government AgenciesAugust 16

Ronald Glass - U.S. Forest Service - review of Tongass Land Management Plan; Socio-Economic Plan of Study, for the Tongass Plan Group - will be submitted by September 2, 1977.

July 27

Wayne Goodfellow, Geological Survey of Canada, about southern Alaska Range Purkypile Prospect - the survey crew could not make it this year.

July 29

J.A. Morin, Department of Indian and Northern Affairs, Yukon Territory; about contributing a mineral summary of southeastern Alaska to an Informal conference to be held in Whitehorse in December.

Correspondence with PublicAugust 6

Deacon Deafon - longtime Kuskokwim resident, about cinnabar and gold prospects he was aware of during years of prospecting the Kuskokwim River.

August 8

Nick Bobbie, Stoney River resident, about prospects in the upper Stoney River valley.

August 14

John Murphy, former geologist at Red Devil Mine, about potential antimony resource at Red Devil and other prospects in the central and upper Kuskokwim area.

August 15

Lew Telare, caretaker, Red Devil Mine, showed us around the mining and milling site, informed us of more recent ventures that have taken place at Red Devil since 1962 shut down.

August 15

Nick Mellick, about mining activities in the central Kuskokwim area.

STATE
of ALASKA

MEMORANDUM

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO:

Ross G. Schaff
State Geologist

DATE:

August 29, 1977

FILE NO.

TELEPHONE NO.

FROM:

Steve Hackett
Geophysicist



SUBJECT:

Monthly Reports: June,
July, August

A. CONSULTATIONS

1. State, Federal and Other

	<u>Agency</u>	<u>Date</u>	<u>Topic</u>	<u>Results</u>
1.	DGGS (Potworowski)	6/1/77	Expand Lab capabilities	-outlined geophysical needs & priorities.
2.	DNR (Mike D.)	6/2	Computer	-storage and retrieval of aeromagnetic data.
3.	USGS (B. Morin)	6/6	Equipment	-borrowed altimeters & gravimeter batteries.
4.	DGGS (G. Pessel)	6/13	Rough draft	-reviewed Ambler River Aeromag. Interp. text.
5.	USGS (D. Barnes)	7/5	Gravity base stations	-received descriptions of base stations on Alaska Peninsula.
6.	Prospectors (public info.)	7/21	Geophysical surveys of Lode claims.	-answered questions about geophysical evaluation.
7.	DGGS (Conwell)	7/25	Purkey-Pile project	-outlined tentative field work plans.
8.	DGGS (R. Schaff)	7/28	Aeromagnetic contract (Wiseman quad)	-submitted final contract for processing.
9.	DGGS (Conwell)	8/1	Purkey-Pile	-finalized field work work objectives.
10.	DGGS (Dillon)	8/5	Wiseman field project	-discussed logistics and field plans.
11.	USGS (Grybeck)	8/8	Gravity	-re-occupied USGS & DGGS base station network (Central Brooks Range).
12.	DGGS (Potworowski)	8/26	Lab	- up-date on geophys capabilities

12. DGGG (Potworowski) 8/26 Lab -update on geophysical capabilities.

B. RESEARCH

1. Alaska Peninsula field work (6/15-6/30)
 - occupied 170 new gravity stations between Unimak Island and Port Heiden.
 - re-occupied the following base stations: COLD BAY, FALSE PASS, PORT MOLLER, BEAR LAKE AND PORT HEIDEN.
 - collected 21 rock samples for physical rock properties determinations.
2. Brooks Range (Wiseman quadrangle) field work Crevice Creek (7/7-7/18).
 - occupied 183 new gravity and ground magnetic stations in the central - southwest portions of the Wiseman quadrangle.
 - collected 43 rock samples for physical rock properties determinations.
 - observed and noted structural relationships in project area.Ernie Lake (8/7-8/12)
 - occupied 38 new gravity and ground magnetic stations during foot traverses.
 - re-occupied 8 gravity base stations: Bettles, Crevice Creek, Ernie Lake, Takahula Lake, and Walker Lake.
 - collected 8 rock samples for geophysical and age dating purposes.
3. N. Flank Alaska Range field work (8/1-8/4)
 - occupied 38 new gravity and ground magnetic station in Talkeetna D-5 quadrangle.
 - collected 10 rock samples for physical rock property analysis.
 - observed and noted stratigraphic and structural info between Farewell fault zone and Minchumina basin.
4. Brooks Range Geophysical
 - finalized aeromagnetic contract specifications and bid for Wiseman and adjacent quadrangles; submitted for processing.
 - geological interpretation of Ambler River quadrangle completed --- draft awaits comments from reviewers and plates still need to be completed by Charlotte!
5. Talkeetna-Kashwitna-Susitna Geophysical
 - waiting on tabulated USGS gravity values --- ready to open-file data and simple Bougue gravity maps.
6. N. Flank Alaska Range Geophysical
 - need to integrate USGS data and then open-file new data and maps.
7. Computer projects
 - E202 and E203 (gravity reduction programs) are all up and running.
 - All DGGG aeromagnetic data/ will be stored on tapes for easy access and retrieval.
 - working on X-Y-Z plots and contour programs.
 - our terminal at 3001 Porcupine gives us immediate access to both the State computer and the Anchorage Node (U of A system).

C. STATUS OF REPORTS

1. Geologic Report 58 (Geology of Ruby Ridge) --- in final press.
2. Ambler River Quadrangle --- plates need to be drafted.
3. Talkeetna-Kashwitna-Susitna gravity map --- waiting to integrate USGS-DGGS data.

PUBLICATIONS

MEMORANDUM

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

State of Alaska


TO: Ross G. Schaff
State Geologist

DATE: June 24, 1977 RECEIVED

FILE NO:

JUN 29 1977

TELEPHONE NO:

Div. of Geological Survey
AnchorageFROM: Frank Larson 
Publications SpecialistSUBJECT: Monthly report
May 25 thru June 24

Progress for the month of June 1977 includes the following.

EDITORIAL

- Completed pasteup of Mines and Geology Bulletin (mailed to Central Duplicating in Anchorage 6/1).
- Continued editing and pasting up contributions to Geologic Report 55, "Short Notes - 1977."
- Continued edit of Geologic Report 48, "Craig A-2" (Herreid and others).
- Received two new Geologic Report manuscripts, No. 58, "Geology of Ruby Ridge" (Gilbert and others); and No. 59, "Mt. Galen volcanics" (Decker and Gilbert).
- Spent 1 week as Warehouse Technician III (temporary) with R. Schultz.

TYPING

- Typeset contributions for Geologic Report 55.
- Typed rough draft of "Herendeen Bay - Chignik coals" (Conwell and Triplehorn).
- Typed report by Eakins and Bundtzen for Policy & Planning (Hansen).
- Typed rough draft of Geologic Report 58.
- Typeset miscellaneous work for maps and charts.
- Typed rough draft of Geologic Report 59.
- Typed miscellaneous memos and letters.
- Various errands to McCauleys and post office.
- Helped distribute Mines & Geology Bulletin.

CARTOGRAPHY (COLLEGE)

- Completed map for Geologic Report 46, "Eureka Creek area" (Bond).
- Began Energy Resources map.
- Reviewed V. Ferrell's final assignments.
- Made numerous errands.
- Miscellaneous artwork and lines.

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: August 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Frank Larson *FL*
Publications Specialist

SUBJECT: Monthly report
July 25 thru August 25

Progress for August 1977 consisted of the following.

EDITORIAL

- Wrote press release and promotional letters to bookstores for INQUA Guidebook.
- Distributed INQUA Guidebook to bookstores.
- Continued edit and pasteup of Geologic Report 55, "Short notes - 1977."
- Began edit, proofing, and pasteup of September Mines & Geology Bulletin.
- Received Wrangell volcanic hazards study (Benson, Motyka).
- Continued edit of Geologic Report 48, "Craig A-2 quadrangle" (Bundtzen and others).
- Received and distributed Geologic Report 50, "Toklat River" (Gilbert) from printer.
- Received open-file report 109, "Uranium Investigations" (Eakins and others) from printer. (Distribution to be performed by Anchorage office.)

TYPING

- Typed rough draft of cartography procedures manual.
- Typed rough draft of Swainbank contribution to Geologic Report 55.
- Typed rough draft of Special Report 8, "Herendeen Bay-Chignik coals" (Conwell, Triplehorn).
- Typed rough draft of Geologic Report 58, "Ruby Ridge" (Gilbert and others).
- Typed rough drafts of Bulletin material.
- Began typesetting Bulletin.
- Typeset miscellaneous map legends.
- Typed numerous letters and memos, xeroxed other material.

CARTOGRAPHY (COLLEGE)

- Helped complete Hard-Mineral- and Uranium-Potential Resource Evaluation plates for ADL (Eakins, Kline).
- Spliced and leroxed two plates on Kenai Lowlands (Reger).
- Ditto two plates on Kenai Lowlands for Carver.
- Began artwork on figures for Geologic Report 55.
- Completed and sent plate for Geologic Report 46, "Eureka Creek" (Bond) to printer.
- Completed art for Special Report 8.

MINERAL LABORATORY

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross Schaff
 State Geologist
 Anchorage

DATE: June 20, 1977

FILE NO:

TELEPHONE NO:

FROM: Henry Potworowski HSP
 Minerals Lab Supervisor
 College

SUBJECT: Monthly Report - June 1977

1. Russ Schultz and Frank Larson have done a complete and thorough job of cleaning our two warehouses. Russ spent 6 full working days and Frank 5, (total of 82.5 man hours) sorting, cleaning and taking numerous trips to the city dump and disposing of an incredibly large pile of assorted garbage, some dating back to the early 60's. Both warehouses are now in excellent condition, all remaining items are sorted on shelves, stacked and the premises clean. They both deserve to be complimented on a job well done.
2. Have received the first batch of field samples from Tom Bundtzen (29) rocks and sediments.
3. Still no contract from ERDA for the analysis of the 1500-2500 USBM samples.
4. Gail Martin has had to take 73.5 more hours of sick leave during the May 16-June 15 pay period.

MEMORANDUM
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

State of Alaska

TO: Ross Schaff
 State Geologist
 Anchorage

DATE: August 26, 1977

FILE NO:

TELEPHONE NO:

HSP

FROM: Henry Potworowski
 Minerals Lab Supervisor
 College

SUBJECT: Monthly Report - August 1977

1. Nam Veach has developed full whole rock analysis capability with the exception of H₂O+, the latter determination being now in the experimental stage.
2. Don Conrad, state surplus property officer, visited the lab for an audit of state property.
3. ERDA's pending contract with the state has been delegated to Bendix with the latter's company writing specifications. They have assured me by phone that we will have the "letter of intent" before September 6, 1977.
4. Have, as yet, not received the leasing specifications on the building on Illinois Street.
5. The lack of a temporary lab assistant, due to a limited personal services budget, is already being felt and will cause an inescapable delay in sample turnaround. Isn't there a way to justify removing the ever present vacancy reduction from the lab's budget?
6. Interpersonnel relations in the lab have improved considerably over the past several months and all major personality problems have disappeared.
7. The backlog of public samples will now be gradually reduced as Don Stein will use his full time to assay public samples. For the past 2-3 months he has been developing and perfecting a method for the determination of tungsten in geologic materials. The development and refining of the method consumed up to 75% of his time.

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

WEEKLY LABORATORY WORK SUMMARY

for the week of 6-1 to 6-15

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Div. of Geological Survey

	Public Samples	Geochem. Samples	Division* Samples
Backlog from last week	219		
Submitted during week	31		
Completed during week	54	195 (338)**	0 (0)**
Cumulative completed since January 1	402	1,132 (5,106)**	54 (383)**
Backlog at end of week	196		

Remarks:

Signed Mona Robinson Date June 15, 1977

*Division and other samples or special investigations not formally reported.
 **Individual determinations, including optical emission spectrography, x-ray diffraction and emission, microscopic work, etc.

MEMORANDUM

State of Alaska

DEPT. Natural Resources
DIV. Geological & Geophysical Surveys
SEC. _____

RECEIVED

TO: Ross Schaff
Anchorage

JUL 5 1977

Div. Of Geological Survey

Anchorage

DATE , June 30, 1977

FROM: Henry Potworowski
College

SUBJECT: Revised Weekly Laboratory Work
Summary Form

Please note new form. The Division samples include now all geochemicals as well, as I believe they logically belong in that group. You may now read at a glance the running totals of determinations both for public and Division samples.

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

WEEKLY LABORATORY WORK SUMMARY

for the week of 6-16 to 6-30

	Public** Samples	Determin- ations	Division* Samples	Determin- ations
Backlog from last week	196		196	
Submitted during week	36		27	
Completed during week	0	0	0	0
Cumulative completed since January 1	402	4,587	1,186	5,489
Backlog at end of week	232		223	

Remarks:

Signed Mona Robinson Date June 30, 1977

*Division and other samples or special investigations not formally reported.

**Individual determinations, including optical emission spectrography, X-ray diffraction and emission, microscopic work, etc.

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

WEEKLY LABORATORY WORK SUMMARY

for the week of 7-18 to 7-29

	Public** Samples	Determin- ations	Division* Samples	Determin- ations
Backlog from last week	321		251	
Submitted during week	32		112	
Completed during week	80	1,253	26	46
Cumulative completed since January 1	485	5,975	1,212	5,535
Backlog at end of week	273		337	

Remarks:

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AUG 1 1977
Div. of Geological Survey
Anchorage

Signed Mona Rector Date July 29, 1977

*Division and other samples or special investigations not formally reported.
**Individual determinations, including optical emission spectrography, X-ray diffraction and emission, microscopic work, etc.

RECEIVED

JUL 20 1977

Div. Of Geological Survey
Anchorage

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

WEEKLY LABORATORY WORK SUMMARY

for the week of 7-1 to 7-15

	Public** Samples	Determin- ations	Division* Samples	Determin- ations
Backlog from last week	232		223	
Submitted during week	92		28	
Completed during week	3	135	0	0
Cumulative completed since January 1	405	4,722	1,186	5,489
Backlog at end of week	321		251	

Remarks:

Signed Mona Hector Date July 15, 1977

*Division and other samples or special investigations not formally reported.
**Individual determinations, including optical emission spectrography, X-ray diffraction and emission, microscopic work, etc.

REGULATION AND INFORMATION

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYSTO: Ross G. Schaff
State Geologist

DATE: June 24, 1977

RECEIVED

FILE NO:

JUN 27 1977

TELEPHONE NO:

Div. of Geological Survey
AnchorageFROM: Cleland N. Conwell *CNC*
Mining EngineerSUBJECT: Monthly report
May 25 thru June 24

A. Consultations

<u>Agency</u>	<u>Date</u>	<u>Topic</u>
I. Federal		
1. MESA (Kenneth Russell)	6/3	State cooperation with local sub-district (Seattle).
2. MESA (M. Nelson)	6/3	Federal state plan on mine inspection (Washington, DC).
3. EPA (L. Shallot)	6/15	Placer mining
II. State		
1. Div. Laws (Peter Froechlich)	5/26	Change mining regulations - were given to Lt. Governor on May 12 - will be published in July Register. Re Alaska Gold and gravel sales.
2. Div. Lands (Meg Hayes)	5/27	Alaska Gold.
3. Div. Laws (Gary Vancil)	5/27	Alaska Gold.
4. Div. Laws (Peter Froechlich)	5/31	New regulations will be affective on June 16, 1977
5. Div. Ec. Development (Eddy Bracken)	6/7	Beluga coals access to tide water.
6. Policy and Planning (Kathy Carsow)	6/10	Report on mining in southeast Alaska.
7. Policy and Planning (Kathy Carsow)	6/23	Report on mining in southeast Alaska.
III. Other		
1. U of A (Dr. Biswas)	5/31	Tungsten metallurgy and marketing.
2. U of A (Dr. C. Benson)	6/8	Reclaiming waste, particularly metals.
3. Western Miner (Peter Bell)	6/15	Article on mined land reclamation.

B. Conferences

1. Staff at College	5/26	Resource map.
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C. Research

1. Energy in Alaska.
2. Laws and regulations affecting mining.

D. Status of reports

1. Chignik-Herenden Bay - draft completed and given to Frank Larson for editing on June 7, 1977.
2. Anchorage quadrangle coal - Don Triplehorn reviewing maps.
3. State resource map - drafting started on June 1, 1977.
4. Law and regulation affecting mining report completed June 21, 1977.

E. Mine inspections

- | | | |
|-----------------------|------|----------------------------|
| 1. Usibelli | 6/2 | |
| 2. Cliff Jacobson | 6/15 | Central |
| 3. John Thomas | 6/15 | Jacobson selling to Thomas |
| 4. Morgan and Raymond | 6/15 | Central |
| 5. J. Hobbs | 6/15 | Central |
| 6. Fred Wilkinson | 6/15 | Miller House |
| 7. Cleary Mine | 6/22 | Fairbanks |

F. Other

Reviewed the system for making microfich available by subscription with John Baxandall.

DIVISION OF GEOLOGICAL SURVEY
 MONTHLY CENTRAL RECORDING WORK SUMMARY
 For Period Ending 6-24-77

	Claim Loc. Notices		Affidavits of Labor		Deeds	Misc.	Total	
	Doc.	Clms	Doc.	Clms	Doc.	Doc.	Doc.	Clms
Backlog	139	139	1	3	11	4	155	142
Received	679	679	5	99	25	145	854	778
Processed	817	817	4	100	27	147	995	917
Backlog	1	1	2	2	9	2	14	3
Cumulative Received Since Jan. 1	3,750	3,750	282	4,934	134	363	4,529	8,684
Cumulative Processed Since Jan. 1	3,817	3,817	410	7,073	160	366	4,753	10,890

REMARKS:

Miscellaneous activities for the period ending June 21 include: processing of mining documents as shown above,; filing; extensive research for visitors and inquiries by mail and telephone. Researched our unpublished reports for a reference to Electrum in the Texas Glacier area for M. Mihelich, xeroxed and mailed him a copy. A gentlemen who is preparing a study of D-2 lands for the Forest Service spent two days with us researching areas of the Teller, Solomon and Bendeleben quadrangles. Xeroxed information for him plus copies from our microfilm. Had several long distance calls from Cominco mining in Spokane, Washington requesting information from our Kardex system. Three of their employees who are working in Alaska for the summer have made several visits to our office for information. Submitted 44 pages of information to data control for updating of microfiche plus 30 pages of corrections. Distributed information as per attached report.

Signed

Michael Brown
 Mining Information Specialist

ACTIVITY REPORT

6-24-77

Mining Information Section

Requests answered:

Mail

4

Telephone

47

Distribution:

Information
Circulars

45

Reports

Geologic

Geochemical

3 Miscellaneous

Xeroxing 404 pages

Number of visitors 180

Computer forms prepared: 74 pages

Microfilm copies: 20 pages

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

Monthly Work Report

Month of June 1977

	Fairbanks	Anchorage	Juneau	Ketchikan	Total
1. Visitors	210	202	7	32	451
2. Annual reports	4	0	2	0	6
3. Miscellaneous papers	3	31	0	0	34
4. Miscellaneous publications	48	87	5	2	142
5. Requests for information received by mail	239	53	17	2	311
6. Requests for information received by phone	10	98	8	11	127
7. Rock samples	2	0	0	0	2
8. Bibliographies	0	0	0	0	0
9. Geologic & Geochem reports	28	71	4	9	112
0. Information circulars	543	170	27	11	751
11. Laboratory notes & reports	36	0	1	0	37
2. Aeromag maps	8	57	0	0	65
13. Special reports	24	8	0	0	32
14. Alaska Open File Reports	17	10	0	0	27
5. Letters	2	2	0	0	4
16. Monthly Mines Bulletin	2,794	0	0	1	2,795
17. Xeroxing (pgs.)	134	23	40	11	208
18.					
19.					
20.					

MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

TO: Ross G. Schaff
State Geologist

DATE: August 25, 1977

FILE NO:

TELEPHONE NO:

FROM: Cleland N. Conwell *CNC*
Mining Engineer

SUBJECT: Monthly report
July 25 thru August 25

A. Consultations

<u>Agency</u>	<u>Date</u>	<u>Topic</u>
I. Federal - - none.		
II. State - - - none.		
III. Other		
1. Urangashellshaff (Earl Abbott)	8/5	Uranium in Alaska.
2. R.D. Piper and R.F. Robinson	8/9	Contract on land classification for the National Park Service.
3. Mobil Oil Corp.	8/24	Coal possibilities in Susitna-Yentna Basins coal leases.

B. Conferences

1. D-2 lands	8/20	Udall Bill.
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C. Research

1. Energy in Alaska.
2. Field work in Talkeetna (D-5) quadrangle.
3. Field work on coals - Talkeetna (D-6) and NE corner McGrath quadrangles.

D. Status of Reports

1. State energy resource map - receiving comments from reviewers.
2. Reclamation paper, completed and forwarded to Western Miner for publication.
3. Boulder Creek tin report completed for "Geologic Short Notes."
4. Chignik-Herenden Bay - in progress.

E. Mine Inspections

1. Usibelli	8/10	Coal mine.
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F. Other

1. Reviewed: 1. Conversion to lease; 2. applications for coal prospecting permit extension; and 2 work affidavits for DMEM.

DIVISION OF GEOLOGICAL SURVEY
 MONTHLY CENTRAL RECORDING WORK SUMMARY
 For Period Ending 8-25-77


	Claim Loc. Notices		Affidavits of Labor		Deeds	Misc.	Total	
	Doc.	Clms	Doc.	Clms	Doc.	Doc.	Doc.	Clms
Backlog	5	5	2	2	11	49	67	7
Received	1,726	1,726	29	433	13	63	1,831	2,159
Processed	1,721	1,721	29	433	14	68	1,832	2,154
Backlog	10	10	2	2	10	44	66	12
Cumulative Received Since Jan. 1	6,620	6,620	317	5,400	173	529	7,639	12,020
Cumulative Processed Since Jan. 1	6,678	6,678	445	7,539	198	490	7,811	14,217

REMARKS:
 Miscellaneous activities in addition to processing above documents: Carole-personnel papers, and delivery orders.

Jay Sullivan of Land Field Services brought a representative of Northwest Pipeline in. We researched claim information for them from Tetlin Junction, along the Taylor Highway, to Boundary. He told us that the Canadian Government wished to route the gas pipeline to Dawson to tie in with their MacKenzie River field.

Ray Robinson visited twice while he was in the state, he was working on a contract for the forest service and did some research for him in the Charley River and Eagle quads.

Mailed copies of Jim Riehle's site reports (Gulf of Alaska coastal region) to Mr. Carl A. Propes Jr., Land Manager, Chugach Natives, Inc. Mr. Propes called me and was interested in our Kardex system and also wanted information on development and possible production figures in areas of their land selections. I explained our Kardex system and mylar overlays and asked him to visit Ona McBride's office to see our system and to save him a flight to Fairbanks. Also gave him Cle Conwell's telephone number and told him he might like to visit our office in Anchorage and visit our staff.

Signed 
 Mining Information Specialist

Requests answered:

<u>Mail</u>	<u>Telephone</u>
<u>5</u>	<u>84</u>

Distribution:

<u>Information Circulars</u>	<u>Reports</u>
<u>30</u>	<u> </u> Geologic
	<u> </u> Geochemical
	<u> 3 </u> Miscellaneous

Xeroxing 279 pages

Number of Visitors 215

RECEIVED

AUG 29 1977

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

Div. of Geological Survey
AnchorageMonthly Work ReportMonth of August 1977

	Fairbanks	Anchorage	Juneau	Ketchikan	Total
1. Visitors	215	60	25	79	379
2. Annual reports	14	0	4	0	18
3. Miscellaneous papers	3	10	1	1	15
4. Miscellaneous publications	36	10	15	14	75
5. Requests for information received by mail	95	9	35	1	140
6. Requests for information received by phone	13	31	12	58	114
7. Rock samples	0	0	0	0	0
8. Bibliographies	13	6	1	0	20
9. Geologic & Geochem reports	256	5	8	7	276
10. Information circulars	314	113	80	48	555
11. Laboratory notes & reports	21	0	0	0	21
12. Aeromag maps	6	0	0	0	6
13. Special reports	18	7	0	1	26
14. Alaska Open File Reports	10	8	0	0	18
15. Letters	0	0	7	4	11
16. Monthly Mines Bulletin	6	0	6	5	17
17. Xeroxing (pgs.)	0	45	340	0	385
18.					
19.					
20.					