

EXPLANATION

GEOLOGY GENERALIZED FROM HOME AND CONRAD (1978)
 CORRELATION OF MAP UNITS
 SURFICIAL DEPOSITS

INTRUSIVE ROCKS

Q1	Quartzite	Q2	Granite
Q3	Diabase	Q4	Basalt
Q5	Andesite	Q6	Basaltic andesite
Q7	Basalt	Q8	Basaltic andesite
Q9	Basalt	Q10	Basaltic andesite
Q11	Basalt	Q12	Basaltic andesite
Q13	Basalt	Q14	Basaltic andesite
Q15	Basalt	Q16	Basaltic andesite
Q17	Basalt	Q18	Basaltic andesite
Q19	Basalt	Q20	Basaltic andesite
Q21	Basalt	Q22	Basaltic andesite
Q23	Basalt	Q24	Basaltic andesite
Q25	Basalt	Q26	Basaltic andesite
Q27	Basalt	Q28	Basaltic andesite
Q29	Basalt	Q30	Basaltic andesite
Q31	Basalt	Q32	Basaltic andesite
Q33	Basalt	Q34	Basaltic andesite
Q35	Basalt	Q36	Basaltic andesite
Q37	Basalt	Q38	Basaltic andesite
Q39	Basalt	Q40	Basaltic andesite
Q41	Basalt	Q42	Basaltic andesite
Q43	Basalt	Q44	Basaltic andesite
Q45	Basalt	Q46	Basaltic andesite
Q47	Basalt	Q48	Basaltic andesite
Q49	Basalt	Q50	Basaltic andesite
Q51	Basalt	Q52	Basaltic andesite
Q53	Basalt	Q54	Basaltic andesite
Q55	Basalt	Q56	Basaltic andesite
Q57	Basalt	Q58	Basaltic andesite
Q59	Basalt	Q60	Basaltic andesite
Q61	Basalt	Q62	Basaltic andesite
Q63	Basalt	Q64	Basaltic andesite
Q65	Basalt	Q66	Basaltic andesite
Q67	Basalt	Q68	Basaltic andesite
Q69	Basalt	Q70	Basaltic andesite
Q71	Basalt	Q72	Basaltic andesite
Q73	Basalt	Q74	Basaltic andesite
Q75	Basalt	Q76	Basaltic andesite
Q77	Basalt	Q78	Basaltic andesite
Q79	Basalt	Q80	Basaltic andesite
Q81	Basalt	Q82	Basaltic andesite
Q83	Basalt	Q84	Basaltic andesite
Q85	Basalt	Q86	Basaltic andesite
Q87	Basalt	Q88	Basaltic andesite
Q89	Basalt	Q90	Basaltic andesite
Q91	Basalt	Q92	Basaltic andesite
Q93	Basalt	Q94	Basaltic andesite
Q95	Basalt	Q96	Basaltic andesite
Q97	Basalt	Q98	Basaltic andesite
Q99	Basalt	Q100	Basaltic andesite

DESCRIPTION OF MAP UNITS

Q1	Quartzite	Q2	Granite
Q3	Diabase	Q4	Basalt
Q5	Andesite	Q6	Basaltic andesite
Q7	Basalt	Q8	Basaltic andesite
Q9	Basalt	Q10	Basaltic andesite
Q11	Basalt	Q12	Basaltic andesite
Q13	Basalt	Q14	Basaltic andesite
Q15	Basalt	Q16	Basaltic andesite
Q17	Basalt	Q18	Basaltic andesite
Q19	Basalt	Q20	Basaltic andesite
Q21	Basalt	Q22	Basaltic andesite
Q23	Basalt	Q24	Basaltic andesite
Q25	Basalt	Q26	Basaltic andesite
Q27	Basalt	Q28	Basaltic andesite
Q29	Basalt	Q30	Basaltic andesite
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Q71	Basalt	Q72	Basaltic andesite
Q73	Basalt	Q74	Basaltic andesite
Q75	Basalt	Q76	Basaltic andesite
Q77	Basalt	Q78	Basaltic andesite
Q79	Basalt	Q80	Basaltic andesite
Q81	Basalt	Q82	Basaltic andesite
Q83	Basalt	Q84	Basaltic andesite
Q85	Basalt	Q86	Basaltic andesite
Q87	Basalt	Q88	Basaltic andesite
Q89	Basalt	Q90	Basaltic andesite
Q91	Basalt	Q92	Basaltic andesite
Q93	Basalt	Q94	Basaltic andesite
Q95	Basalt	Q96	Basaltic andesite
Q97	Basalt	Q98	Basaltic andesite
Q99	Basalt	Q100	Basaltic andesite

EXPLANATION OF IMAGERY INTERPRETATION

Lineament
 Dotted where uncertain
 Closed and crosses features
 Linear features interpreted as being
 related to mapped fault

GEOLOGIC SYMBOLS

Geologic symbols for various rock types and features, including faults, folds, and unconformities.

DISCUSSION

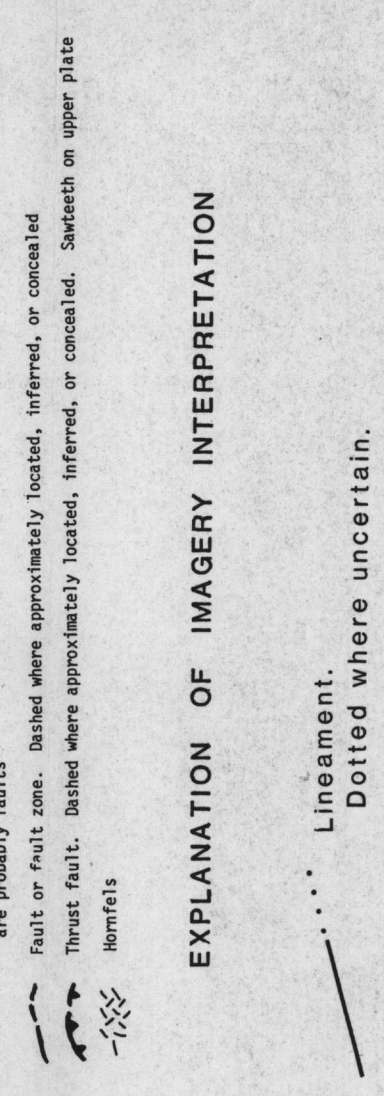
Landform maps were analyzed for lineaments, circular and elongate features, and other features that might be related to tectonic or structural features.

TABLE OF IMAGERY USED IN ANALYSES

Imagery ID	Acquisition Date	Resolution	Scale
18R-2110	1978-07-10	30m	1:250,000
18R-2111	1978-07-10	30m	1:250,000
18R-2112	1978-07-10	30m	1:250,000
18R-2113	1978-07-10	30m	1:250,000
18R-2114	1978-07-10	30m	1:250,000

HISTORICAL TRENDS AND CORRELATIVE LANDSAT IMAGERY OF THE GOODNEWS AND HAGEMEISTER ISLAND QUADRANGLES, ALASKA

INDEX MAP



HISTOGRAM

Graph showing the distribution of lineament lengths. The x-axis represents lineament length in meters, and the y-axis represents the number of lineaments.

LOCATION OF IMAGERY USED IN ANALYSES

Map showing the geographic locations of the five Landsat images used in the study, with their respective acquisition dates and coordinates.

COMPUTER PROCESSING OF DATA BY R. S. GARDNER, JR., TERRY L. GARDNER, and F. J. GARDNER, JR., 1978

This report is preliminary and is subject to change without notice.

INTERPRETATION OF LANDSAT IMAGERY OF THE GOODNEWS AND HAGEMEISTER ISLAND QUADRANGLES REGION, SOUTHWESTERN ALASKA

BY
 W. CLINTON STEELE

1978

