

RECONNAISSANCE GEOLOGIC MAP OF CHICHAGOFT ISLAND AND NORTHWESTERN BARANOF ISLAND, ALASKA

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SCALE 1:250,000  
CONTOUR INTERVAL 200 AND 1000 FEET  
DATUM IS MEAN SEA LEVEL  
DEPTH CURVES IN FEET—DEPTH IS MEAN LOWER LOW WATER  
1963

Base map compiled from U.S. Geological Survey Alaska  
reconnaissance topographic series quadrangles, 1956  
and Alaska topographic series quadrangle, 1956

EXPLANATION  
MAPPED AREA OF EACH OF UNITS DESCRIBED MAY CONTAIN MINOR  
AREAS OF OTHER UNITS TOO SMALL TO REPRESENT AT SCALE  
OF MAP

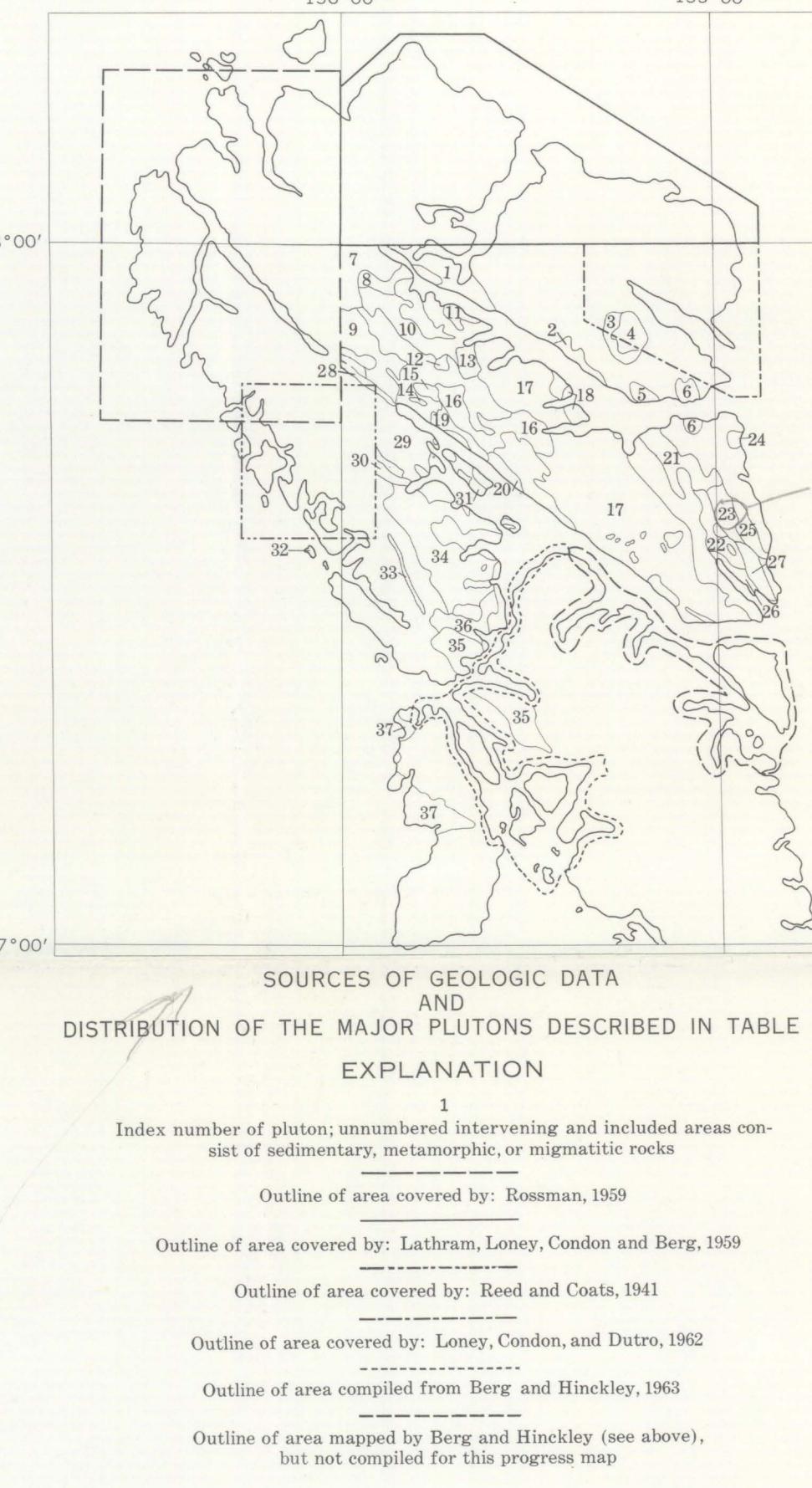
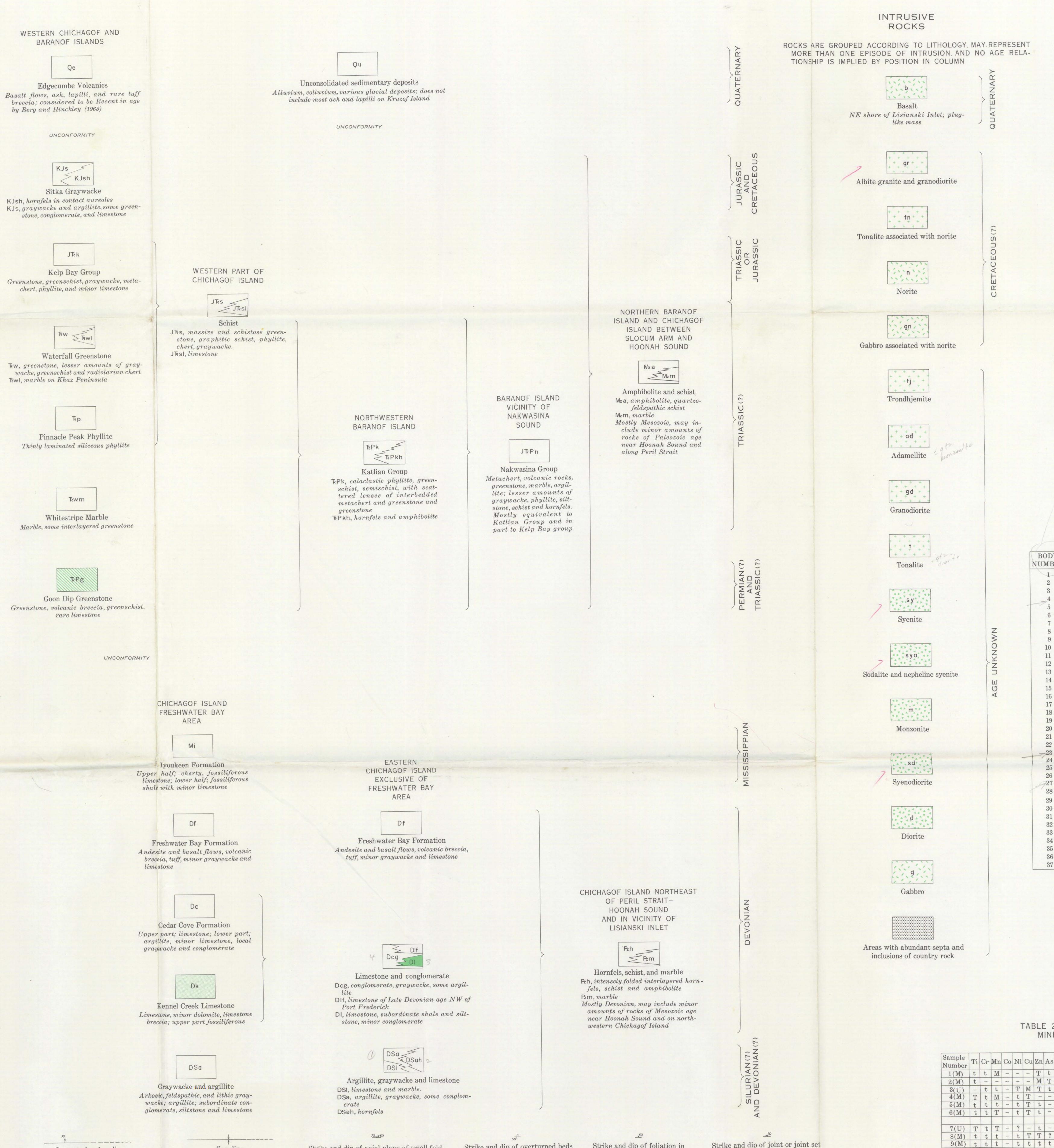


TABLE 1. COMPOSITION OF MAJOR PLUTONS  
(Includes only those mapped in 1961. See "Sources of Geologic Data" for additional information)

BODY NUMBER	DOMINANT ROCK TYPE	IMPORTANT SUBORDINATE ROCK TYPES IN DECREASING ORDER OF ABUNDANCE
1	Hornblende gabbro	Biotite-hornblende diorite
2	Biotite-hornblende diorite	Hornblende granodiorite
3	Biotite-hornblende adamellite	Biotite-hornblende monzonite
4	Biotite-hornblende monzonite	Biotite-hornblende granodiorite
5	Biotite-hornblende granodiorite	Biotite-hornblende diorite
6	Biotite-hornblende granodiorite	Hornblende monzonite
7	Biotite-hornblende diorite	Hornblende gabbro
8	Biotite-hornblende monzonite	Hornblende tonalite
9	Hornblende gabbro	Biotite-hornblende tonalite
10	Hornblende tonalite	Tonalite
11	Tonalite	Hornblende gabbro
12	Hornblende gabbro	Biotite-hornblende diorite
13	Hornblende gabbro	Hornblende granodiorite
14	Hornblende gabbro	Biotite-hornblende monzonite
15	Biotite-bearing hornblende diorite	Hornblende gabbro, hornblende monzonite
16	Hornblende leucogabbro	Hornblende monzonite, hornblende granodiorite
17	Hornblende leucogabbro	Hornblende monzonite
18	Biotite-hornblende granodiorite	Hornblende monzonite
19	Biotite-hornblende diorite	Hornblende monzonite
20	Biotite-hornblende monzonite	Hornblende gabbro
21	Biotite syenite	Hornblende syenite, hornblende-bearing biotite monzonite
22	Hornblende monzonite	Biotite-hornblende granodiorite, hornblende monzonite
23	Biotite-hornblende monzonite	Biotite-hornblende granodiorite, hornblende monzonite
24	Biotite-hornblende granodiorite	Biotite-hornblende monzonite
25	Biotite-hornblende monzonite	Biotite-hornblende monzonite
26	Biotite-hornblende tonalite	Biotite-hornblende monzonite
27	Biotite syenite	Biotite-hornblende monzonite
28	Biotite-hornblende tonalite	Biotite-hornblende monzonite
29	Biotite-hornblende granodiorite	Biotite-hornblende monzonite
30	Tonalite	Biotite-hornblende monzonite
31	Biotite monzonite	Biotite-hornblende monzonite
32	Biotite monzonite	Biotite-hornblende monzonite
33	Biotite monzonite	Biotite-hornblende monzonite
34	Biotite monzonite	Biotite-hornblende monzonite
35	Hornblende-biotite tonalite	Biotite monzonite
36	Biotite granodiorite	Biotite monzonite
37	Biotite granodiorite	Biotite monzonite

Classification of igneous rock types as follows:

Ratio of alkali to plagioclase (>An <sub>90</sub> ) feldspar	Granite	Adamellite	Granodiorite	Tonalite	Monzonite	Syenodiorite	Diorite	Norite	Gabbro
>10% Quartz	t	t	t	t	t	t	t	t	t
<10% Quartz	t	t	t	t	t	t	t	t	t

\* An = a divides short field from gabbro and norite

† Tonalites and diorites with Cl-40 have prefix "m"

‡ Characteristic hornblende is dark green (z)

§ Characteristic hornblende is medium green (x) and some is uridine

\*\* Norites and gabros with Cl-40 have prefix "le"

\*\*\* Granodiorite, hornblende tonalite?

\*\*\*\* Hornblende monzonite?

\*\*\*\*\* Hornblende leucogabbro, hornblende leucotonalite

\*\*\*\*\* Hornblende leucogabbro, hornblende leucotonalite, olivine gabbro

\*\*\*\*\* Hornblende meladiorite, hornblende granodiorite

\*\*\*\*\* Hornblende granodiorite, hornblende monzonite

\*\*\*\*\* Hornblende monzonite, hornblende syenodiorite

\*\*\*\*\* Hornblende syenite, hornblende-bearing biotite monzonite

\*\*\*\*\* Hornblende granodiorite, hornblende monzonite

\*\*\*\*\* Hornblende monzonite, hornblende syenite

\*\*\*\*\* Hornblende monzonite, hornblende syenite