

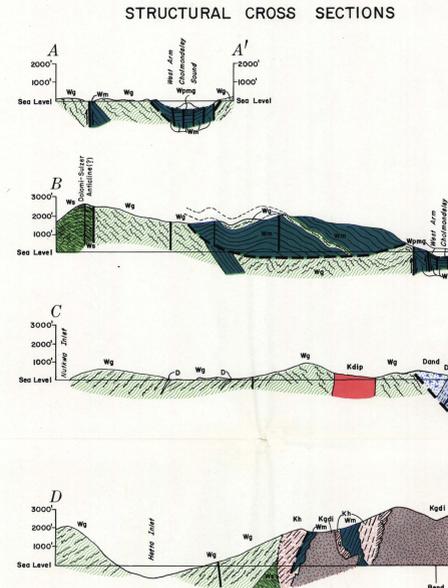
EXPLANATION

Legend:

- Geological Symbols:**
 - D: Dolomite
 - Thermal metamorphosed rocks: Kh, Kk, Kd, Kp, Kq, Ks, Kt, Kx, Ky, Kz
 - Intrusions: Kgd, Kgl, Kgm, Kgn, Kgo, Kgp, Kgs, Kgt, Kgv, Kgw, Kgx, Kgy, Kgz
 - Dikes: Kdi
 - Volcanic rock: Kvr
 - Sedimentary rocks: Ksd, Ksg, Ksh, Ksk, Ksl, Ksm, Ksn, Kso, Ksp, Ksq, Ksr, Kst, Ksv, Ksw, Ksx, Ksy, Ksz
 - Basal conglomerate with red beds: Kbc
 - Descov formation: Kdc, Kde, Kdf, Kdg, Kdh, Kdi, Kdj, Kdk, Kdl, Kdm, Kdn, Kdo, Kdp, Kdq, Kdr, Kds, Kdt, Kdv, Kdw, Kdx, Kdy, Kdz
 - Wales group: Kw, Kx, Ky, Kz
- Structural Symbols:**
 - Contact: Dashed line
 - High-angle fault: Dashed line with short dashes
 - Thrust fault: Dashed line with triangles
 - Shear zone: Dashed line with wavy dashes
 - Overturned anticline: Line with arrows pointing up
 - Attitude of beds: Line with arrows pointing up/down
 - Strike and dip of foliation: Line with arrow and angle
 - Minor folds: Line with wavy dashes
 - Major folds: Line with wavy dashes and arrows
 - Bulk chemical rock analysis: Circle with 'C'
 - Mineral prospects and mines: Square with 'M'
 - Fossil locality: Circle with 'F'

Base from U.S. Geological Survey, Dixon Entrance D-2, 1951; Craig A-1, 1948; A-2, A-3, 1961; B-1, B-2, B-3, 1949; quadrangles, Alaska.

Geology by Gordon Herred, 1970-72; assisted by Thomas K. Sandness, 1971-72, and James C. Pray, 1970-72. Cartography by L.C. Schell.



40^g-Ar Age Determinations*

Map No.	Mineral dated	Age (m.y.)
1	Amphibole	479±
2	Amphibole	479±
3	Whole rock	478±
4	Hornblende	470±
5	Amphibole	421.18
6	Biotite	268.11
7	Actinolite	218.18
8	Hornblende	102.3
9	Hornblende	102.3
10	Hornblende	101.9
11	Hornblende	102.3
12	Biotite	108.3
13	Hornblende	312.3
	Actinolite	812.3
	Actinolite	141.4

*40^g-Ar age determinations from Turner & others, 1971.
†Tachibana age, see Turner & others, 1971.



GEOLOGIC MAP OF THE CRAIG A-2 QUADRANGLE AND VICINITY, PRINCE OF WALES ISLAND, ALASKA