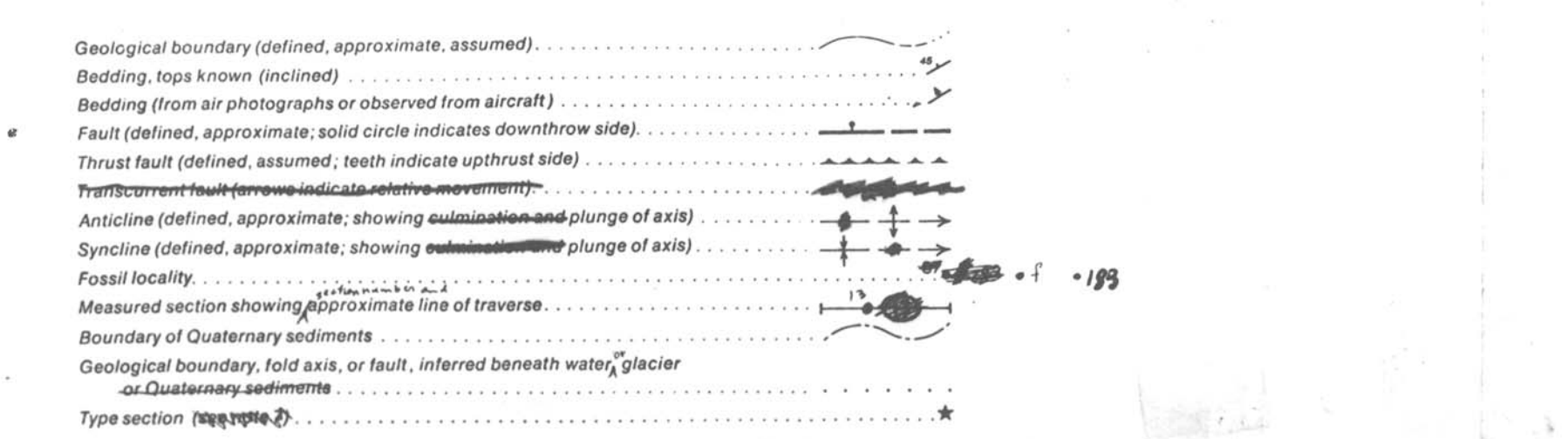


SEDIMENTARY, IGNEOUS, AND METAMORPHIC ROCKS

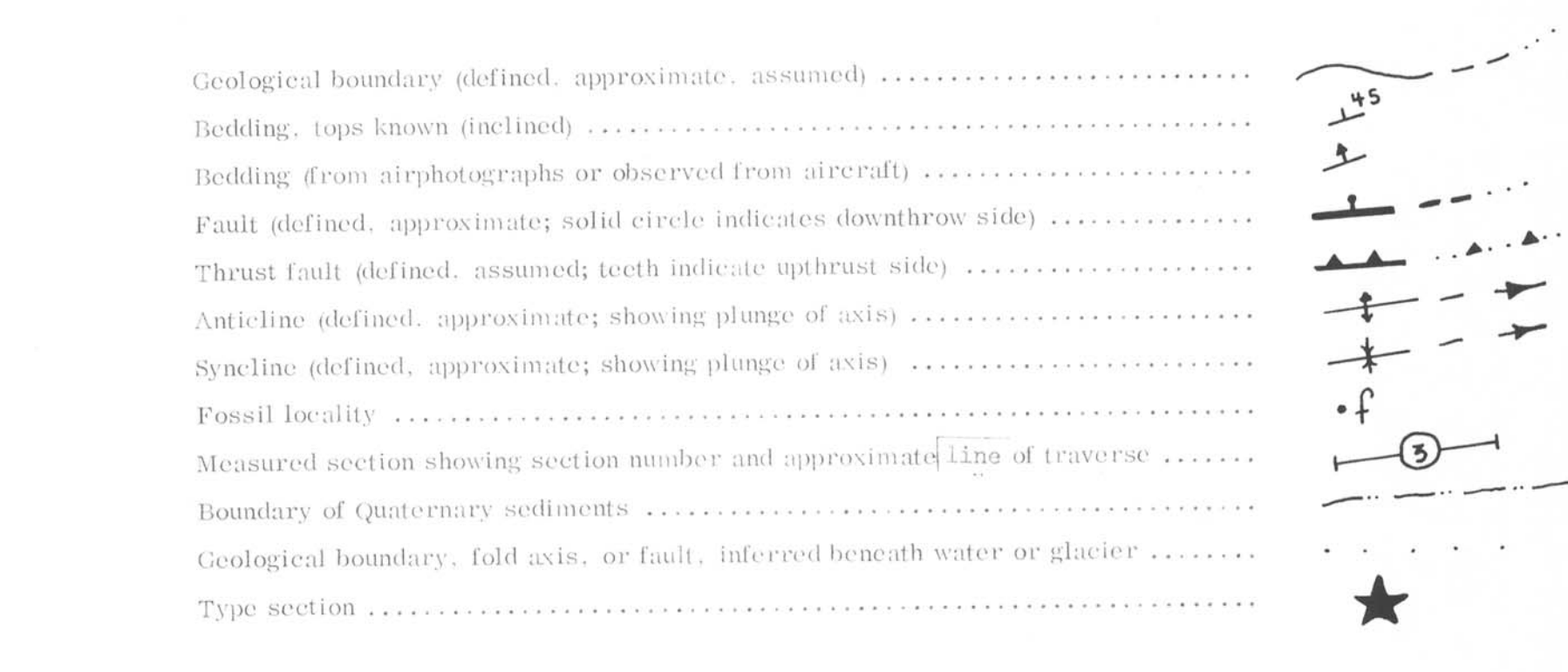
DEVONIAN	
LOWER DEVONIAN	DEVONIAN LOWER DEVONIAN
Du	UNDIVIDED DEVONIAN: sandstone, siltstone (usually red); minor conglomerate and shale
Dc	UNDIVIDED CLASTIC ROCKS: siltstone, shale, sandstone, variably calcareous, micaceous
S-Dcp	SILURIAN AND DEVONIAN: UPPER DEVONIAN AND UPPER SILURIAN: CAPE PHILLIPS FORMATION: limy siltstone, minor limestone and dolomite
Os	ORDOVICIAN AND SILURIAN: UPPER ORDOVICIAN AND LOWER SILURIAN: ALLEN BAY FORMATION: dolomite; minor limestone
Oc	ORDOVICIAN: ORDOVICIAN: CROWN WALL GROUP (undivided): IRENE BAY FORMATION: limestone with siltstone of pure shale; THUMB MOUNTAIN FORMATION: limestone; BAY FORD FORMATION: limestone, dolomite, greenish siltstone, anhydrite and gypsum (recessive)
Oe	ORDOVICIAN: ORDOVICIAN: CROWN WALL GROUP (undivided): IRENE BAY FORMATION: limestone with siltstone of pure shale; THUMB MOUNTAIN FORMATION: limestone; BAY FORD FORMATION: limestone, dolomite, greenish siltstone, anhydrite and gypsum (recessive)
Ob	LOWER ORDOVICIAN: BAUMANN FIORD FORMATION: anhydrite, gypsum; minor limestone (recessive)
Oco	COPE'S BAY FORMATION: limestone, minor flat-pebble conglomerate, anhydrite and dolomite
Epg	CAMBRIAN: MIDDLE CAMBRIAN: PARRISH GLACIER FORMATION: limestone, shale interbeds; minor sandstone and flat-pebble conglomerate
Esb	LOWER CAMBRIAN: SCORESBY BAY FORMATION: dolomite
Peu	PROTEROZOIC AND CAMBRIAN: PROTEROZOIC AND LOWER CAMBRIAN: ELLESMERE GROUP (Lower Cambrian): KANE BASIN FORMATION: sandstone, siltstone; RAWLINGS BAY FORMATION: dolomite and conglomerate; ELIA BAY FORMATION (Proterozoic): dolomite



ORDOVICIAN, SILURIAN, AND DEVONIAN	
O-Dar	(Undivided) READ BAY FORMATION: limestone, siltstone; ALLEN BAY FORMATION: dolomite
Oe	ORDOVICIAN: MIDDLE ORDOVICIAN: CROWN WALL GROUP (undivided): IRENE BAY FORMATION: limestone with siltstone of pure shale; THUMB MOUNTAIN FORMATION: limestone; BAY FORD FORMATION: limestone, dolomite, greenish siltstone, anhydrite and gypsum (recessive)
Ob	LOWER ORDOVICIAN: BAUMANN FIORD FORMATION: anhydrite, gypsum; minor limestone (recessive)
Ou	(Undivided) NYGAARD BAY FORMATION: limestone; POLSEN CLIFF FORMATION: shale; CAPE CLAY FORMATION: limestone and dolomite; CASS FIORD FORMATION: limestone and flat-pebble conglomerate
Eu	CAMBRIAN: LOWER AND MIDDLE CAMBRIAN: (Undivided) CAPE WOOD FORMATION: limestone, dolomite, and minor conglomerate (Middle Cambrian); CAPE KENT FORMATION: dolomite and dolomite limestone; POLICE POST FORMATION: sandstone and limestone; CAPE INGERSOLL FORMATION: dolomite; CAPE LEIPER FORMATION: dolomite; RENNELAER BAY FORMATION: sandstone; includes Sverdrup member of formation only (Lower Cambrian)
pe	ARCHAIC: Gneiss, granite, migmatite, and related rocks (not studied in detail)

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 Geology South of Lat. 79°15' by R.L. Christie, 1961
 Compiled by J. Wm. Kerr, 1972

PALEOZOIC	
DEVONIAN	DEVONIAN
De	LOWER DEVONIAN: EIDS FORMATION: siltstone, sandstone, shale (all variably calcareous); minor pebble layers
S-Dcp	SILURIAN AND DEVONIAN: UPPER DEVONIAN AND UPPER SILURIAN: CAPE PHILLIPS FORMATION: limy siltstone, graptolite shale
Os	ORDOVICIAN AND SILURIAN: UPPER ORDOVICIAN AND LOWER SILURIAN: ALLEN BAY FORMATION: dolomite; minor limestone
Oe-c	ORDOVICIAN: LOWER AND MIDDLE ORDOVICIAN: (Undivided): limestone, minor dolomite, greenish siltstone, anhydrite and gypsum
Ob	LOWER ORDOVICIAN: BAUMANN FIORD FORMATION: anhydrite, gypsum; minor limestone (recessive)
Oco	COPE'S BAY FORMATION: limestone; minor flat-pebble conglomerate, anhydrite and dolomite
Epg	CAMBRIAN: MIDDLE CAMBRIAN: PARRISH GLACIER FORMATION: limestone, shale interbeds; minor sandstone and flat-pebble conglomerate
Esb	LOWER CAMBRIAN: SCORESBY BAY FORMATION: dolomite; minor limestone
Peu	PROTEROZOIC AND CAMBRIAN: PROTEROZOIC AND LOWER CAMBRIAN: ELLESMERE GROUP (Lower Cambrian): KANE BASIN FORMATION: sandstone, siltstone; RAWLINGS BAY FORMATION: sandstone and conglomerate; ELIA BAY FORMATION (Proterozoic): dolomite



Geology North of Lat. 79°15' by J. Wm. Kerr, 1961, 1962
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 Compiled by J. Wm. Kerr, 1972

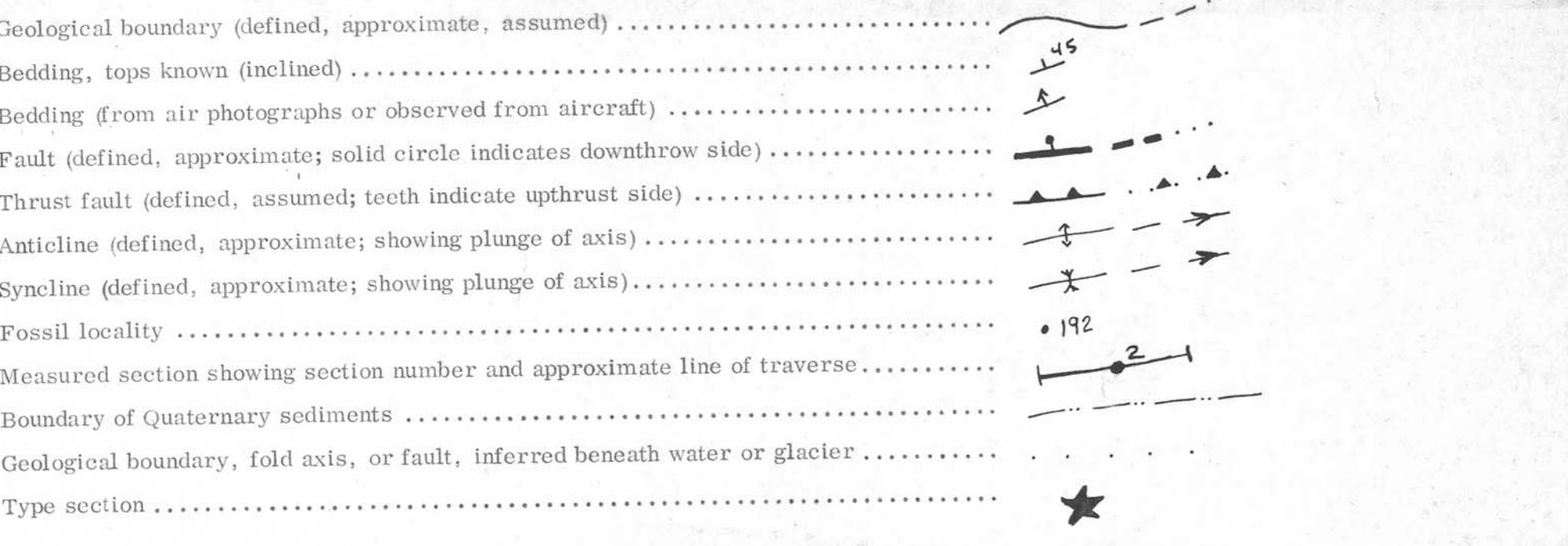
OSi	INIMA FORMATION: sandstone, siltstone, shale; calcareous, flysch type
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IP	(Undivided): limestone, shale, siltstone
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DEVONIAN	
De	LOWER DEVONIAN: EIDS FORMATION: siltstone, limy
OSi	ORDOVICIAN, SILURIAN, AND DEVONIAN: UPPER ORDOVICIAN, LOWER, MIDDLE AND UPPER SILURIAN, AND LOWER DEVONIAN: CAPE PHILLIPS FORMATION: limy siltstone, graptolite shale
OSa	ORDOVICIAN AND SILURIAN: UPPER ORDOVICIAN AND LOWER SILURIAN: ALLEN BAY FORMATION: dolomite; minor limestone
Oe-c	ORDOVICIAN: LOWER AND MIDDLE ORDOVICIAN: (Undivided): limestone, minor dolomite, greenish siltstone, anhydrite and gypsum
Ob	LOWER ORDOVICIAN: BAUMANN FIORD FORMATION: anhydrite, gypsum; minor limestone (recessive)
Oco	COPE'S BAY FORMATION: limestone; minor flat-pebble conglomerate, anhydrite and dolomite
Epg	CAMBRIAN: MIDDLE CAMBRIAN: PARRISH GLACIER FORMATION: limestone, shale interbeds; minor sandstone and flat-pebble conglomerate
Esb	LOWER CAMBRIAN: SCORESBY BAY FORMATION: dolomite; minor limestone
Peu	PROTEROZOIC AND CAMBRIAN: PROTEROZOIC AND LOWER CAMBRIAN: ELLESMERE GROUP (Lower Cambrian): KANE BASIN FORMATION: sandstone, siltstone; RAWLINGS BAY FORMATION: sandstone and conglomerate; ELIA BAY FORMATION (Proterozoic): dolomite, minor limestone; basal conglomerate; KENNEDY CHANNEL FORMATION: sandstone, phyllite, limestone, dolomite



Geology by J. Wm. Kerr, 1961, 1962.
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Note 1. Section 2 contains the type sections of the Kennedy Channel and Elia Bay Formations. It also contains the type sections of the Ellesmere Group and four of its five members, notably the Archer Fiord, Ritter Bay, Rawlings Bay and Kane Basin Formations. This section has been figured and described in Geological Survey of Canada Paper 67-27 Part II.

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Q	QUATERNARY: Stream, deltaic, glacial and marine beach sediments (mapped only where underlying rock geology cannot be inferred with reasonable certainty)
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KTe	EUREKA SOUND FORMATION: sandstone, arkose, coal
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O-Du	ORDOVICIAN, SILURIAN, AND DEVONIAN(?): (Undivided) READ BAY FORMATION(?); ALLEN BAY FORMATION: CORNWALLIS GROUP; ELEANOR RIVER FORMATION
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Oe	ORDOVICIAN: LOWER ORDOVICIAN: limestone
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Ob	BAUMANN FIORD FORMATION: anhydrite, gypsum; minor limestone (recessive)
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Ou	(Undivided) NYGAARD BAY FORMATION: limestone; POLSEN CLIFF FORMATION: shale; CAPE CLAY FORMATION: limestone and dolomite; CASS FIORD FORMATION: limestone and flat-pebble conglomerate
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Eu	CAMBRIAN: LOWER AND MIDDLE CAMBRIAN: (Undivided) CAPE WOOD FORMATION: limestone, dolomite, and minor conglomerate (Middle Cambrian); CAPE KENT FORMATION: dolomite and dolomite limestone; POLICE POST FORMATION: sandstone and limestone; CAPE INGERSOLL FORMATION: dolomite; CAPE LEIPER FORMATION: dolomite; RENNELAER BAY FORMATION: sandstone; includes Sverdrup member of formation only (Lower Cambrian)
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E	LOWER CAMBRIAN: RENNELAER BAY FORMATION: BACHE PENINSULA MEMBER: arkose, conglomerate, CAMPERDOWN MEMBER: sandstone, shale, dolomite (the uppermost member is included with the overlying map unit)
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pe	ARCHAIC: Gneiss, granite, migmatite and related rocks (not studied in detail)
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