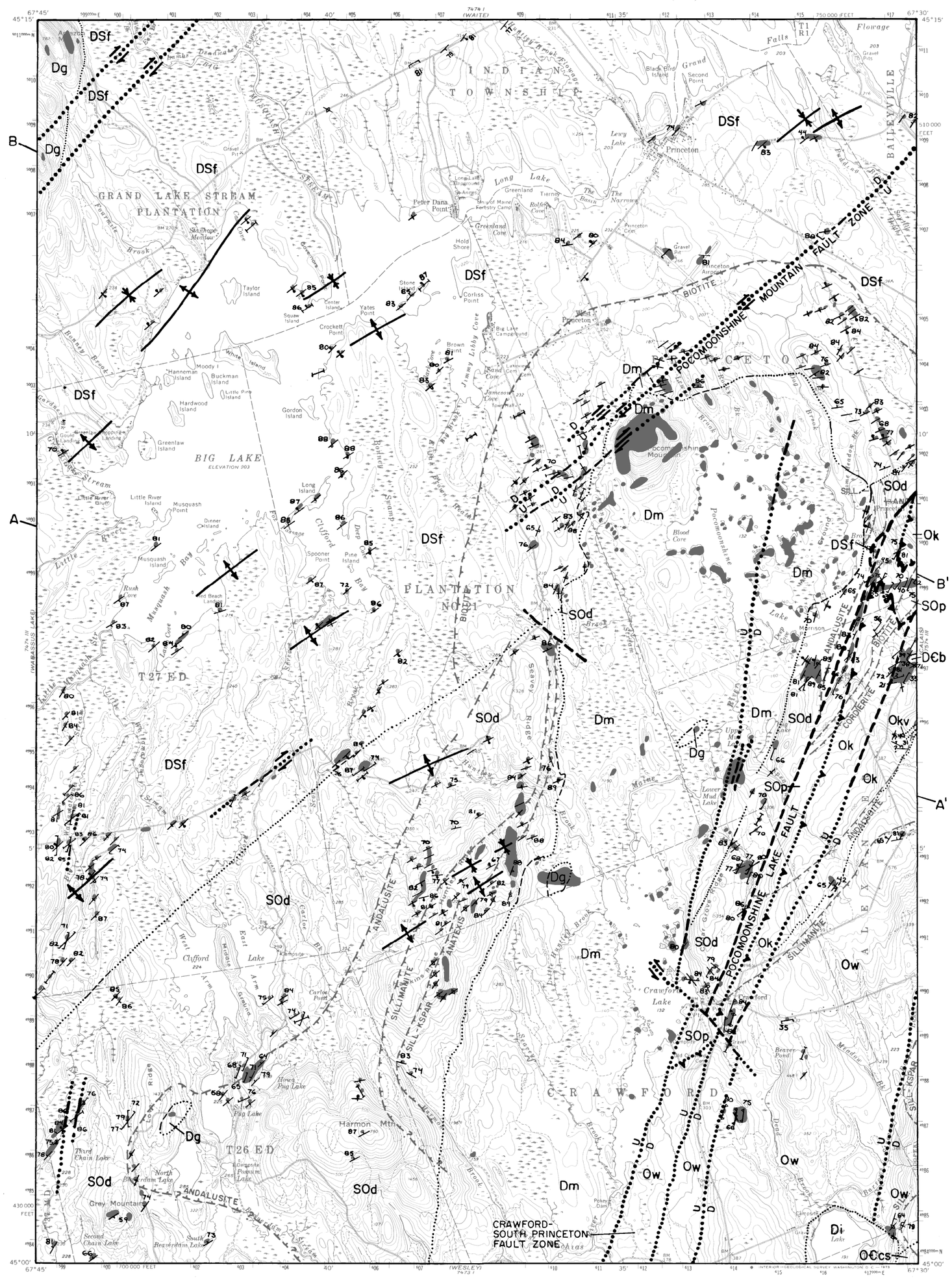


EXPLANATION

INTRUSIVE ROCKS

Dg	Granitic rocks; biotite granite and granodiorite	
Di	Love Lake quartz diorite	
Dm	Pocomoonshine Gabbro-Diorite Complex,	Including: Mica peridotite, troctolite, norite, gabbro, diorite
DЄb	Baileyville Dike	

STRATIFIED ROCKS

DSf	Flume Ridge Formation	Variably calcareous sandstones, siltstones, and slates. Green and ankeritic in chlorite zone, with large detrital muscovite flakes. Purplish in biotite zone, with blue-white calc-silicate layers, stringers, and pods.
SOd	Digdeguash Formation	Well graded, gray, turbiditic grits, sandstones, and slates. Characterized by large andalusite crystals in contact aureoles. At highest metamorphic grade, anatexis produces migmatitic sillimanite gneiss.
SOp	Pocomoonshine Lake Formation	Thinly laminated carbonaceous pelite and siltstone.

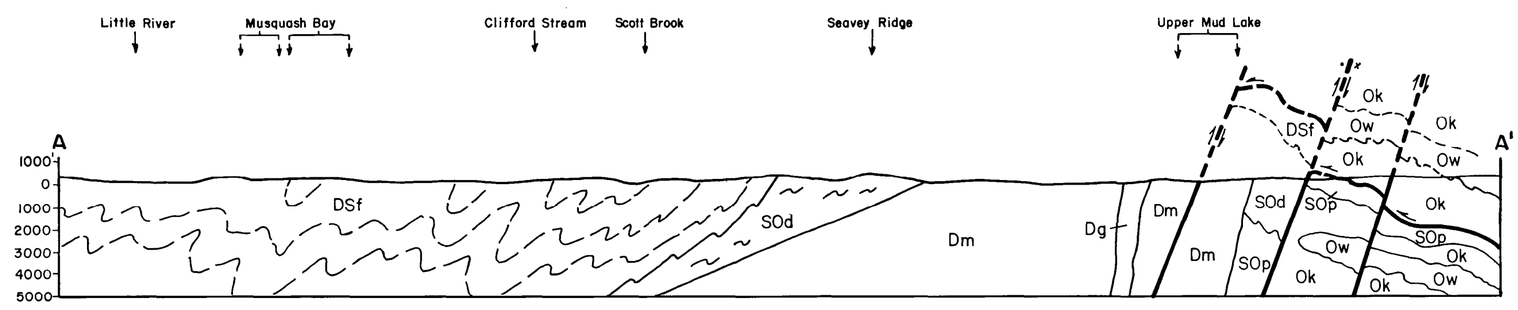
----------Inferred Unconformity----------

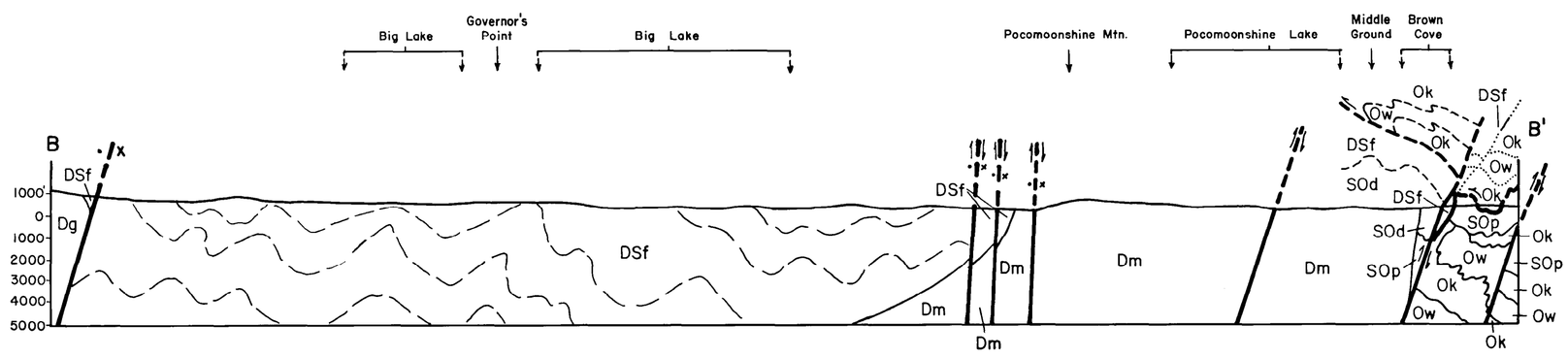
COOKSON GROUP

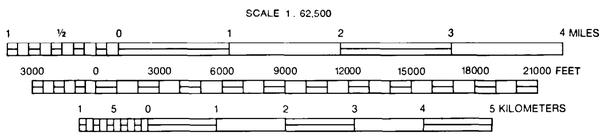
Ok	Kendall Mountain Formation	Quartzofeldspathic arenite interlayered with minor carbonaceous pelite; massive quartzite, quartzofeldspathic and lithic arenite; thin felsic tuffs and basalts.
Ow	Woodland Formation	Interbedded, well graded, quartzofeldspathic wacke and both carbonaceous and non-carbonaceous pelites; minor thick-bedded quartzofeldspathic wacke and calc-silicate granofels.
OЄc	Calais Formation	Interbedded black, highly graphitic, pyritiferous shale; pillowed and massive basalt; garnet-quartz coticule.
OЄcs		Black, highly graphitic, pyritiferous shale

SYMBOLS

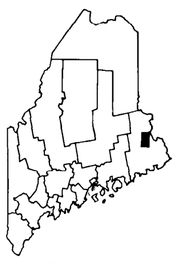
- Lithologic contact: observed, covered, inferred
- Fault: observed, covered, inferred; showing offset
- Metamorphic isograd
- Axis of anticline
- Axis of syncline
- Bedding: inclined, showing facing
- Bedding: vertical, showing facing
- Overturned bed
- Trend of Bedding in pavement outcrop
- Cleavage: inclined, vertical
- Metamorphic foliation: inclined vertical
- Mylonitic foliation: inclined vertical
- Outcrop







Funding for the preparation of this report was provided in part by the U. S. Geological Survey Cooperative Geological Mapping (COGEOMAP) Program, Cooperative Agreements Nos. 14-08-0001-A0249 and 14-08-0001-A0380.



Quadrangle Location

BEDROCK GEOLOGY OF THE BIG LAKE QUADRANGLE, MAINE

BY
ALLAN LUDMAN
1990

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OPEN-FILE NO. 90-26