

EXPLANATION OF RECONNAISSANCE GEOLOGIC MAPS (13 APPENDIX MAPS)  
OF THE ST. JOHN AND ALLAGASH RIVER BASINS, MAINE

|   |  |                          |                         |
|---|--|--------------------------|-------------------------|
| Fleisocene  | <div>Qe</div>  | <div>Qgs</div>           | QUATERNARY              |
|   | Sand and gravel<br>Qe, esker deposit<br>Qgs, outwash |                          |                         |
| Middle(?) Devonian  | <div>Dqm</div>                                       | <div><del>qm</del></div> | DEVONIAN                |
|   | Quartz monzonite<br>qm, dike or sill                 |                          |                         |
| Lower Devonian  | <div>Dss</div>                                       | <div>DSg</div>           | DEVONIAN                |
|   | <div>DS</div>  | <div>Dsvg</div>          |                         |
| Dss, cyclically bedded gray slate and sandstone<br>DS, gray slate and minor graywacke<br>DSg, graywacke and gray slate<br>Dsvg, greenstone  |  |                          |                         |
| Silurian or Lower Devonian  | <div>DSq</div>                                       |                          | SILURIAN AND DEVONIAN   |
|   | Orthoquartzite and minor sandstone and siltstone     |                          |                         |
| UNCONFORMITY (?)  |  |                          |                         |
| Upper(?) Silurian or Lower Devonian   |  | <div>DSu</div>           | SILURIAN OR DEVONIAN    |
|   |  | <div>DSua</div>          |                         |
| DSu, graywacke, gray slate, red and green arkose, color variegated slate, quartzite, calcareous siltstone, and green volcanoclastic phyllite<br>DSua, dark gray cherty argillite                    |  |                          |                         |
| Upper Silurian  | <div>Ss</div>  | <div>Sls</div>           | SILURIAN                |
|   | <div>Svql</div>                                      | <div>Svg</div>           |                         |
| Ss, gray slate and minor gray siltstone and calcareous sandstone<br>Svql, quartz latite lava<br>Svg, greenstone (metamorphosed andesite)<br>Sls, calcareous gray siltstone and biostromal limestone |  |                          |                         |
| UNCONFORMITY (?)  |  |                          |                         |
| Middle Ordovician   | <div>Os</div>  | <div>Ocp</div>           | ORDOVICIAN              |
|   | <div>Os</div>  | <div>Ocp</div>           |                         |
| Os, black slate, graywacke and feldspathic sandstone<br>Ocp, polymictic conglomerate and black slate  |  |                          |                         |
| UNCONFORMITY (?)  |  |                          |                         |
|   | <div>Epq</div>                                       |                          | CAMBRIAN AND ORDOVICIAN |
| Laminated black phyllite and gray quartzite   |  |                          |                         |
|   | <div>Ezqs</div>                                      |                          | PALEOZOIC               |
| Orthoquartzite, gray slate, graywacke, and laminated sandstone  |  |                          |                         |

Approximate contact queried where inferred  
dotted where concealed

Fault, approximately located queried where  
inferred

Inferred reverse fault  
R, upthrown side

Inferred thrust fault  
Sawteeth on upper plate

Minor fault  
showing relative lateral offset

Anticline  
showing crestline inferred from aerial  
photographs

Syncline  
showing troughline inferred from aerial  
photographs

Minor anticline showing plunge or azimuth  
of plunge where value is not shown in  
outcrop

Minor syncline showing plunge or azimuth  
of plunge where value is not shown in  
outcrop

Minor folds  
showing plunge of axes

Left lateral Right lateral  
Assymetric minor folds showing plunge

Strike and dip of beds  
Strike and dip of beds determined from  
aerial photographs

Strike and direction of dip of beds determined  
from aerial photographs

Strike and dip of beds  
top of beds known from graded bedding or  
cross lamination

Strike and dip of overturned beds  
top of beds known

Strike of vertical beds

Strike of vertical beds  
top of beds known from graded bedding or  
cross lamination

Strike of vertical beds determined from  
aerial photographs

Strike and dip of slaty (flow) cleavage

Strike and dip of slaty (flow cleavage)  
and parallel bedding

Strike of vertical slaty (flow) cleavage

Strike of vertical slaty (flow) cleavage  
and parallel bedding

Strike and dip of fracture cleavage

Strike of vertical fracture cleavage

Strike and dip of slip cleavage

Strike and dip of fold bands

Strike and dip of joints

Strike of vertical joints

Several planar structures or linear structures  
at one locality may be combined: juncture  
shows point of observation

Outcrop observed

Contact metamorphosed rock (hornfels)

Strike of vertically dipping quartz vein

Fossil locality

Analyzed rock sample  
spectrographic and instrumental methods

Lineament  
observed on aerial photographs

Borrow pit

Glacial striae  
observation on point of arrow



PLEASE REPLACE IN POCKET  
IN BACK OF BOUND VOLUME