

FOLIAI (generalized, in metamorphic rocks)		strike and dip direction of moderately inclined schistosity (15-55°)
		strike and dip direction of steeply inclined schistosity (50-80°)
		strike of vertical foliation
BEDDING (generalized, in sedimentary rocks)		strike and dip direction of gently inclined layers (1-15°)
		strike and dip direction of moderately inclined layers (16-35°)
JOINTS		strike and dip of inclined joints
		strike and dip direction of moderately inclined joint sets in Triassic rocks
		strike of steeply dipping to vertical joints in Coastal Placerville (average of readings)
		strike of vertical joints
FAULTS (approximately known, but where inferred, dotted where concealed)		normal, bar and ball on downthrown side, dip angle where known
		thrust or reverse, south-west on upper plate, dip angle where known
		structures of the Stafford fault system
		indeterminate, in crystalline rocks, fractures commonly healed or annealed
SHEARED ZONES		phyllonite zones of intense shearing, retrograde metamorphism
DIABASE		aligned gneiss and intrusive bodies of Triassic(?) igneous rocks
SEPIENTINE		aligned metamorphosed ultramafic bodies of Lower Paleozoic age that interrupt the physical continuity of schist terrain
TOPOGRAPHIC ALIGNMENTS		ridge and drainage alignments interpreted from 1971 to 1975
ERTS INHERENT ALIGNMENTS		interpreted from 1975 to 1,500,000 coverage by T. Iwahashi and A.J. Froelich
AIR PHOTO ALIGNMENTS		interpreted from 1971 to 1,600,000 coverage by A.D. Beckaslo and A.J. Froelich

Location	Type	Strike & Dip	Vertical separation	Rock units cut by faulting
Stream bank 0.5 mi W of Vespogen School, 1/2 mi NW of NW 1/4 sec 36, T12N, R10E	High angle reverse	N44E 70NW	>10 ft	Potomac group (f6) Question: How late (f6)
Conjunction road, Routes 123 and 642, 1/2 mi NW of NW 1/4 sec 36, T12N, R10E, east of Corrections center, Occaneequale quadrangle	Low angle reverse	N70E 34SE	>6 ft	Potomac group Occaneequale (f6)
1 1/2 mi southeast of industrial center west of Burlington, 1/2 mi NW of NW 1/4 sec 36, T12N, R10E, Redford quadrangle	High angle and low angle reverse	N32E 23NW N34E 23NW	>1.0 ft	Potomac Group Occaneequale
Road cuts, junction Silver Brook Road and Lorton Road, Fort Belvoir quadrangle	High angle normal	N60E 08N	1.0 ft	Potomac group Chowanopsis f.

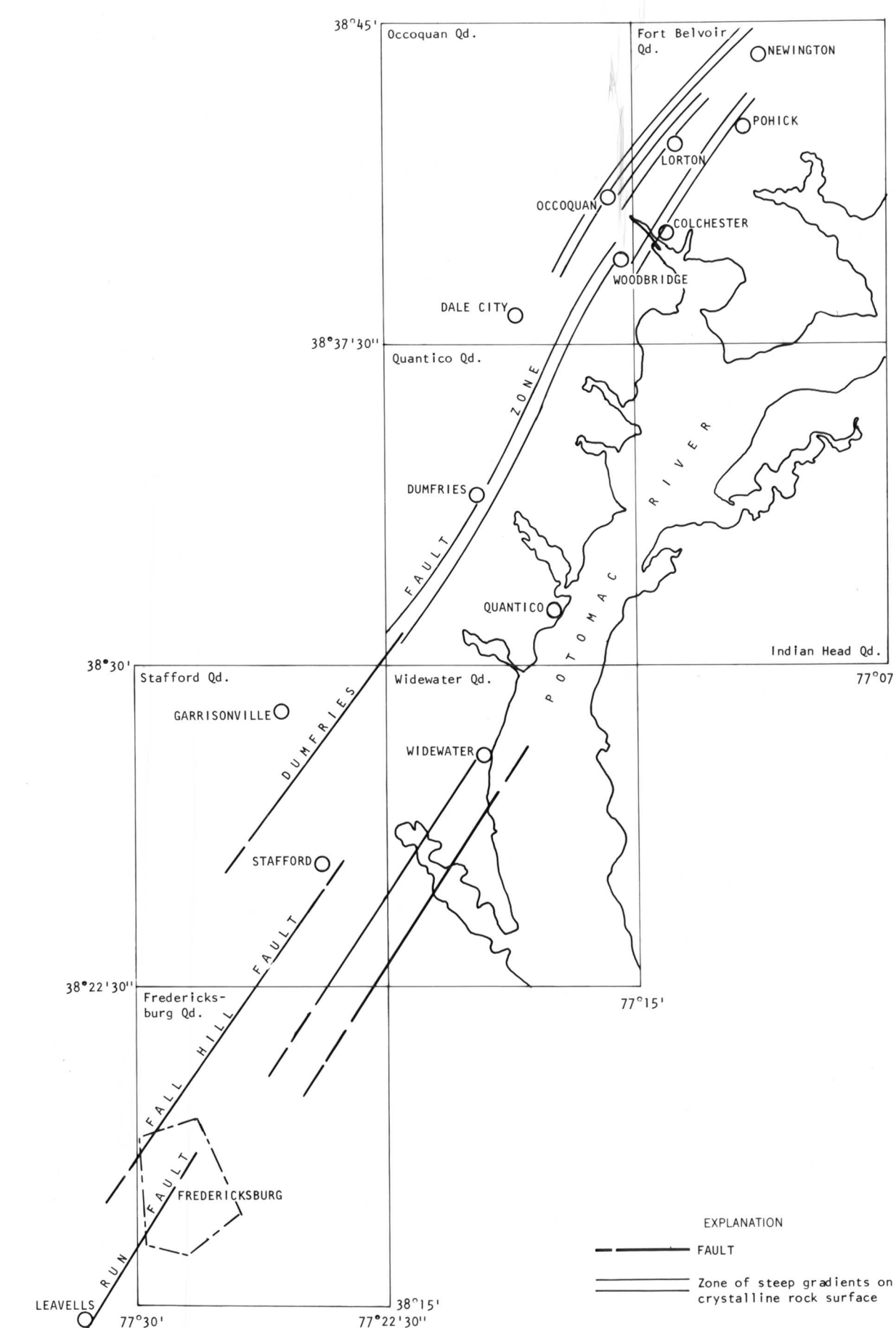


Fig. 1.—Map showing main structures of Stafford fault system and zones of steeper-than-average gradients on crystalline rock surface suggesting a northeastward extension of faulting and (or) folding into the Occoquan and Fort Belvoir quadrangles, Fairfax County, Va.

Johnson, R.A.K., 1978, Probable yields of wells in the bedrock aquifers of Fairfax County, Virginia: U.S. Geol. Survey Open-file report 78-267

Mixon, R.B., and Newell, W.L., 1976, Preliminary investigation of faults and folds along the inner edge of the Coastal Plain in northeastern Virginia: U.S. Geol. Survey Open-file report no. 76-330, 18 p.

_____, 1977, Stafford fault system: structures documenting Cretaceous and Tertiary deformation along the Fall Line in northeastern Virginia: In Geology, v. 5, no. 7, p. 437-440.

Selders, V.H., and Mixon, R.B., 197_, The geology of the Occoquan quadrangle and part of the Fort Belvoir quadrangle, Prince William and Fairfax Counties, Virginia: U.S. Geol. Survey Geol. quad., 66 (in prep.).

By
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