DEPARTMENT OF THE INTERIOR U.S. GEOLOGICAL SURVEY

## GEOLOGIC MAP OF THE WIND GAP QUADRANGLE, NORTHAMPTON AND MONROE COUNTIES, PENNSYLVANIA

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Prepared in cooperation with THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY

## GEOLOGIC MAP SYMBOLS

## COMMONLY USED ON MAPS OF THE UNITED STATES GEOLOGICAL SURVEY (Special symbols are shown in explanation)

(Special Symbols are shown in explanation)		
	Contact — Dashed where approximately located; short dashed where inferred; dotted where concealed	Strike and dip of beds — Ball indicates top of beds known from sedimentary structures  70 Inclined   Horizontal
^45	Contact — Showing dip; well exposed at triangle	Vertical -40 Overturned
.20	Fault – Dashed where approximately located; short dashed where inferred; dotted where concealed	Strike and dip of foliation  20 Inclined Vertical Horizontal  Strike and dip of cleavage
	Fault, showing dip — Ball and bar on downthrown side	Bearing and plunge of lineation
************************	Normal fault – Hachured on downthrown side	15 Inclined ◆ Vertical ← Horizontal  Strike and dip of joints
	Fault - Showing relative horizontal movement	40 Inclined — Vertical — Horizontal  Note: planar symbols (strike and dip of beds,
	Thrust fault - Sawteeth on upper plate	foliation or schistosity, and cleavage) may be combined with linear symbols to record data
<del></del>	Anticline – Showing direction of plunge; dashed where approximately located; dotted where concealed	observed at same locality by superimposed symbols at point of observation. Coexisting planar symbols are shown intersecting at point of observation.
	Asymmetric anticline — Short arrow indicates steeper limb	
	Overturned anticline – Showing direction of dip of limbs	Shafts  ☑ Vertical □ Inclined
	Syncline - Showing direction of plunge; dashed where approximately located; dotted where concealed	Adit, tunnel, or slope  Accessible Accessible
	Asymmetric syncline — Short arrow indicates steeper limb	x Prospect  Quarry  ★ Active ★ Abandoned
<del></del>	Overturned syncline - Showing direction of dip of limbs	Gravel pit
-	Monocline - Showing direction of plunge of axis	X Active X Abandoned  Oil well
<del>-&gt;</del> →*	Minor anticline - Showing plunge of axis	o Drilling
<del></del> ۥ60	Minor syncline — Showing plunge of axis	● Oil ♦ Show of oil