

DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY

**GEOLOGIC MAP OF THE FRANK ISLAND QUADRANGLE,  
YELLOWSTONE NATIONAL PARK, WYOMING**

By H. Richard Blank, Jr., Harold J. Prostka, William R. Keefer,  
and Robert L. Christiansen

GEOLOGIC QUADRANGLE MAP  
Published by the U.S. Geological Survey, 1974  
Reston, Va. 22092

BLANK AND OTHERS—FRANK ISLAND, WYO.

1:62,500

MAP GQ-1209

## GEOLOGIC MAP SYMBOLS

### COMMONLY USED ON MAPS OF THE UNITED STATES GEOLOGICAL SURVEY

(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
	Contact – Showing dip; well exposed at triangle		Inclined
	Fault – Dashed where approximately located; short dashed where inferred; dotted where concealed		Vertical
	Fault, showing dip – Ball and bar on downthrown side		Overturned
	Normal fault – Hachured on downthrown side		Horizontal
	Fault – Showing relative horizontal movement		Vertical
	Thrust fault – Sawteeth on upper plate		Horizontal
	Anticline – Showing direction of plunge; dashed where approximately located; dotted where concealed		Inclined
	Asymmetric anticline – Short arrow indicates steeper limb		Vertical
	Overted anticline – Showing direction of dip of limbs		Horizontal
	Syncline – Showing direction of plunge; dashed where approximately located; dotted where concealed		Inclined
	Asymmetric syncline – Short arrow indicates steeper limb		Vertical
	Overted syncline – Showing direction of dip of limbs		Horizontal
	Monocline – Showing direction of plunge of axis		Shafts
	Minor ant – Showing plunge of axis		Vertical
	Minor syncline – Showing plunge of axis		Inclined
			Adit, tunnel, or slope
			Accessible
			Inaccessible
			Prospect
			Quarry
			Active
			Abandoned
			Gravel pit
			Active
			Abandoned
			Oil well
			Drilling
			Gas
			Oil
			Shut-in
			Show of gas
			Dry hole
			Show of oil
			abandoned

Note: planar symbols (strike and dip of beds, foliation or schistosity, and cleavage) may be combined with linear symbols to record data observed at same locality by superimposed symbols at point of observation. Coexisting planar symbols are shown intersecting at point of observation.