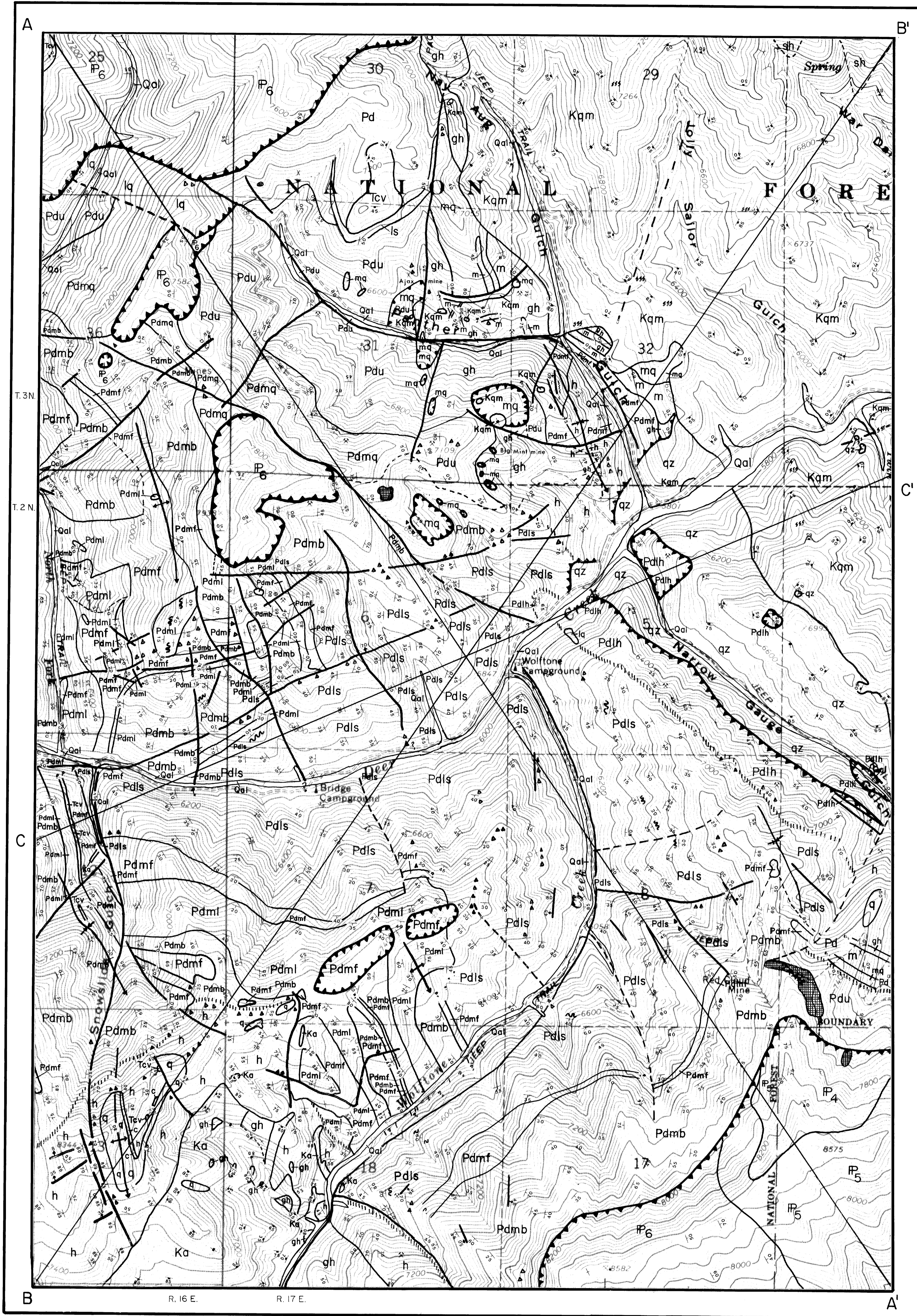


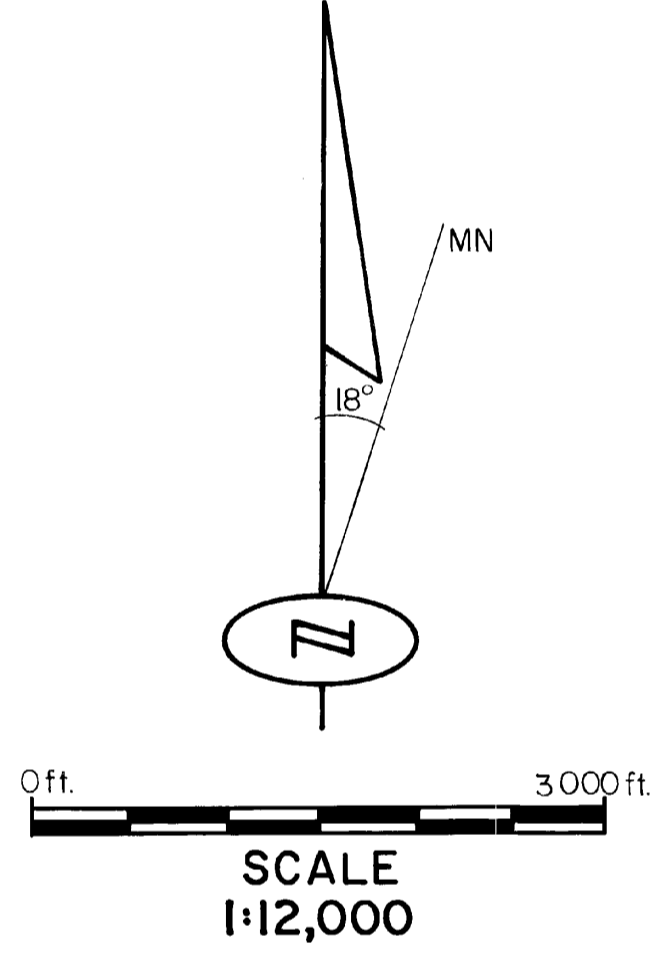
GEOLOGIC BEDROCK MAP  
OF  
THE SW 1/4 MAHONEY BUTTE QUAD.  
BLAINE COUNTY, IDAHO  
BY: CRAIG S. WAVRA

EXPLANATION

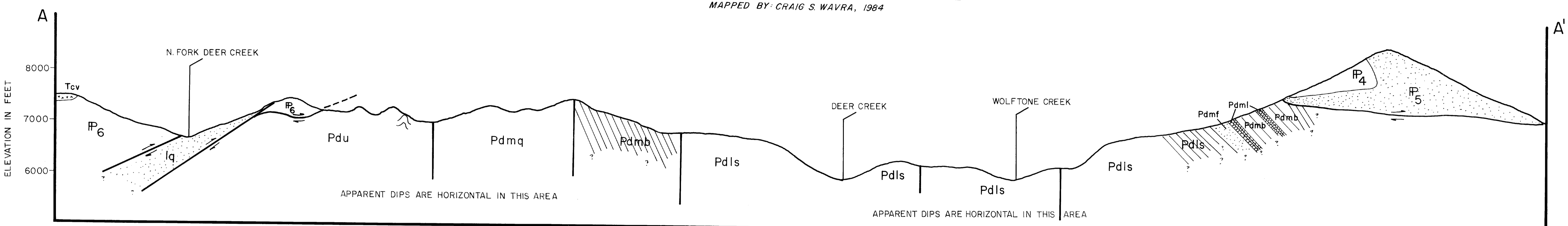


AGE	UNIT	DESCRIPTION
QUATERNARY	Qal	Quaternary alluvium
	Tcv	Challis Volcanics. Rhyodacite flows, dikes and sills, porphyritic, purple-red and apple-green color.
CRETACEOUS	Kqm	Hornblende-biotite quartz monzonite. Equigranular. Medium-grained. Light to medium gray color. Contains minor amounts of apfite, pegmatite and quartz veins.
	Ka	Alaskite. Fine to coarse grained. Light tan, yellow and white color. Locally stained purplish-red color. Contains abundant pegmatite and quartz-muscovite veinlets.
PERMIAN	Dollardite Formation	
	Pdis	Lower member. Contains "banded" fine-grained, gray, limy sandstone interbedded with gray to black carbonaceous siliceous siltite; white, gray, tan, fine-grained quartzite and minor steel-blue, thinly bedded limestone (brown). Metamorphosed equivalent produces "streaked" calc-hornfels (orange).
	Pdlh	
	Pdmq	Middle member. Contains massive, thick-bedded, fatid, fine-grained, gray, tan and white limy quartzite (green), black, "sooty", carbonaceous, thinly-bedded limestone (gray), banded rock similar to that found in the lower member (yellow-orange), blue limestone interbedded with white, limy quartzite/siltite (blue). Metamorphosed equivalent produces "streaked" calc-hornfels (orange green). Diopside-bearing meta-quartzite (yellow-green). Diopside-bearing chert-quartz calcareous conglomerate (olive).
	Pdmb	
	Pdml	
PENNSYLVANIAN PERMIAN ?	Pdu	Upper member. Contains black, carbonaceous (pyritic) shale interbedded with gray limestone, white-gray siliceous siltite, and quartzite (black). Metamorphosed equivalent produces graphitic-siliceous hornfels (fuschia), marble (baby blue), and micaceous meta-quartzite (stippled).
	gh	
	IP6	Undifferentiated Dollardite Formation. "Streaked", bleached limy quartzite, black argillite, white limestone and porous sandstone.
	Pd	Wood River Formation
PENNSYLVANIAN	IP6	IP6 Fine-grained, brown, gray, red limy sandstone (locally contains fusulinds) interbedded with gray, tan fine-grained limy quartzite, blue limestone and minor black argillite.
	IP5	IP5 Fine to medium-grained, non-bedded, massive, gray, white, tan orthoquartzite.
	IP4	IP4 Powder blue limestone interbedded with fine-grained, white limy siltite/quartzite. Contains minor black argillite.
AGE NOT KNOWN	qz	Undifferentiated Paleozoic quartzite. Medium-grained, massive, non-bedded. Tan-yellow and white color.
	lq	Dark-gray, limy calcareous quartzite. Stratigraphic level not known.
	ls	Blue limestone. Stratigraphic level not known.
	sh	Light to dark, locally brecciated and silicified, limy shale/hornfels.

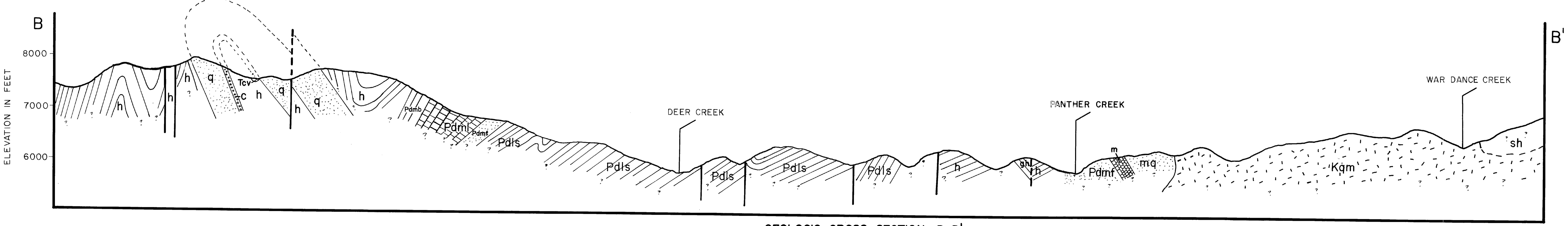
- Strike and dip of bedding
- Vertical beds
- Horizontal beds
- Strike and dip of joints
- Vertical joints
- Fault
- Fault, showing dip
- Thrust fault
- Fault, located approximately
- Anticline
- Syncline
- Contact
- Contact, located approximately
- Highly folded beds
- Hornfels line
- Breccia
- Sheared rock
- Prospect
- Mine
- Gossan



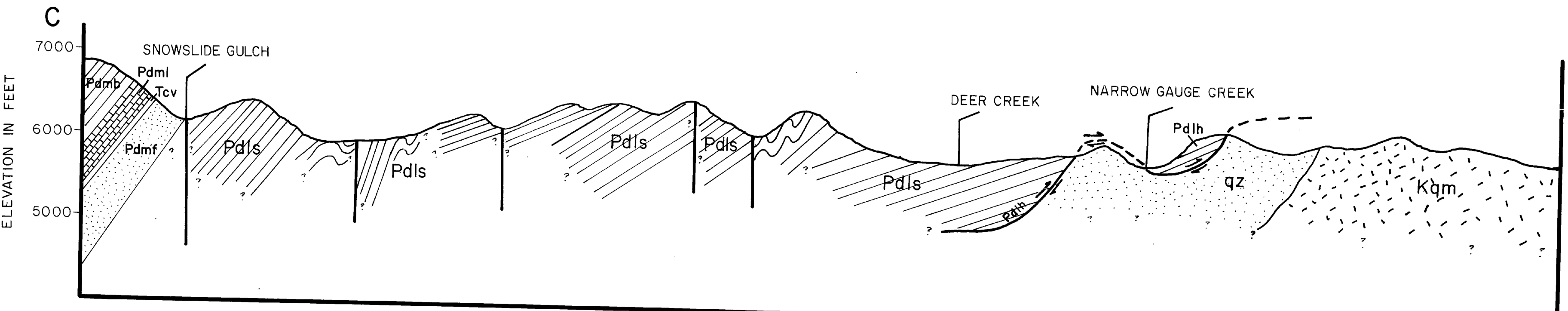
MAPPED BY CRAIG S. WAVRA, 1984



GEOLOGIC CROSS SECTION A-A'



GEOLOGIC CROSS SECTION B-B'



GEOLOGIC CROSS SECTION C-C'

Idaho Geological Survey  
University of Idaho  
Moscow, Idaho 83843  
Technical Report 87-4  
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GEOLOGIC BEDROCK MAP AND CROSS SECTIONS  
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SW 1/4 MAHONEY BUTTE QUADRANGLE, BLAINE, IDAHO  
by  
Craig S. Wavra  
Plate 1 in Craig S. Wavra, 1985, Structural Geology and Petrology  
of the SW 1/4 Mahoney Butte Quadrangle, Blaine, Idaho: M.S.  
thesis, University of Idaho, 127 p.