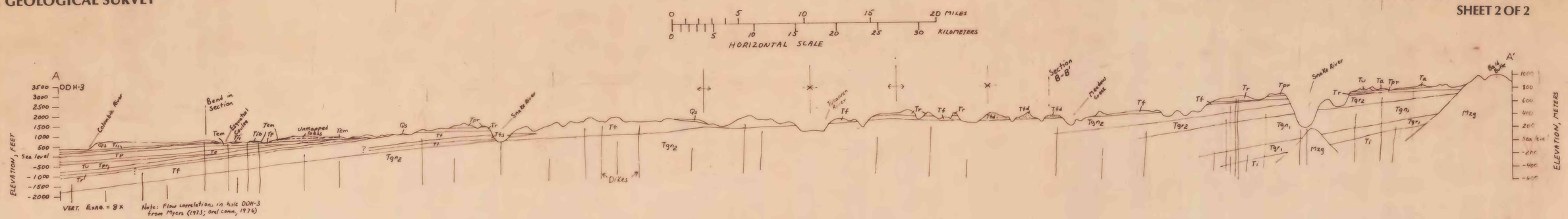
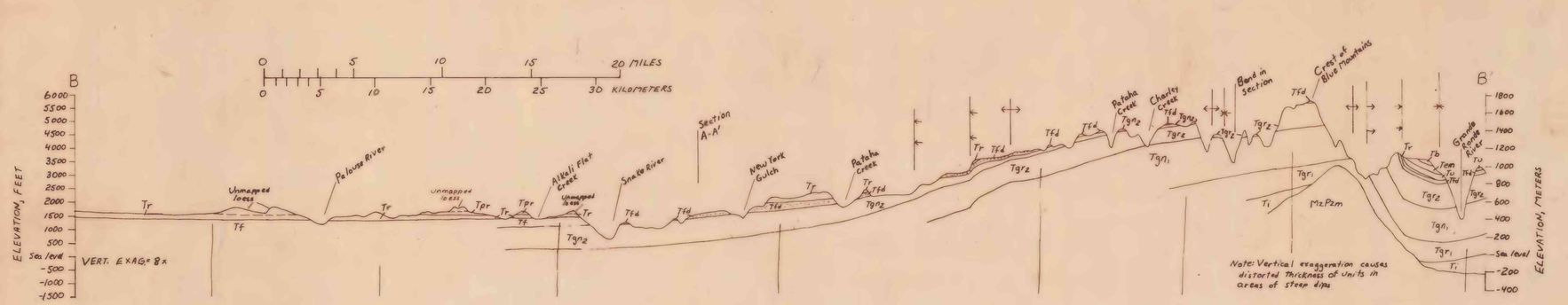
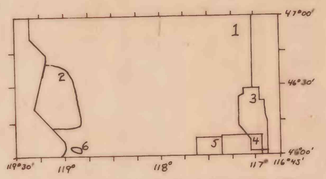
U.S. GEOLOGICAL SURVEY

OPEN FILE MAP 77-100
SHEET 2 OF 2







AREA OF PRINCIPAL RESPONSIBILITY

1, Swanson and Wright
2, Helz and Swanson
3, Camp
4, Price
5, Ross
6, Gardner

EXPLANATION

CONTACT, APPROXIMATELY LOCATED

FAULT, SYMBOL ON DOWNTHROWN SIDE. DASHED WHERE INFERRED, DOTTED WHERE CONCEALED. ARROW SHOWS DIP OF FLOWS ON INDICATED SIDE OF FAULT

ANTICLINAL AXIS, SHOWING PLUNGE. DOTTED WHERE CONCEALED, DASHED WHERE BASED ON STRUCTURE CONTOUR MAP OF ROZA OR FRENCHMAN SPRINGS MEMBER

SYNCLINAL AXIS, SHOWING PLUNGE. DOTTED WHERE CONCEALED, DASHED WHERE BASED ON STRUCTURE CONTOUR MAP OF ROZA OR FRENCHMAN SPRINGS MEMBER

MONOCLINAL AXIS, SHOWING ABRUPT DECREASE IN DIP IN DIRECTION OF ARROW

MONOCLINAL AXIS, SHOWING ABRUPT INCREASE IN DIP IN DIRECTION OF ARROW

DIKE

CORRELATION OF MAP UNITS

Qs					QUATERNARY	CENOZOIC
Unconformity						
Ti					TERTIARY	
Erosional unconformity						
Ti2						
Ti1						
Tib						
Erosional unconformity?						
Tb						
Tem						
Erosional unconformity						
Tp						
Erosional unconformity						
Te						
Erosional unconformity						
Tic						
Erosional unconformity						
Tws						
Twl						
Ta						
Local erosional unconformity						
Tel	Tw	Twu	Saddle Mountains	Yakima	Columbia River	
	Tu					
	Tpr		Wanapum	Basalt	Basalt	
	Tr					
	Tf	Tfs, Tfd, Tfr	Basalt	Subgroup	Group	
	Tgn2		Grande Ronde Basalt			
	Tgr2					
	Tgn1					
	Tgr1					
	Ti					
Angular unconformity						
Mzg	Mzm				CRETACEOUS TO UPPER TRIASSIC	MESOZOIC
Relation unknown						
MzPzm						MESOZOIC OR PALEOZOIC
Relation unknown						
pCb						PRECAMBRIAN

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.
MOST GEOLOGIC NOMENCLATURE USED OR CHANGED HEREIN WILL BE ADOPTED OR AMENDED FOR USGS USAGE BY D. A. SWANSON AND OTHERS IN A FORTHCOMING USGS BULLETIN (CHANGES IN STRATIGRAPHIC NOMENCLATURE SERIES)

EXPLANATION TO ACCOMPANY

RECONNAISSANCE GEOLOGIC MAP OF THE COLUMBIA RIVER BASALT GROUP PULLMAN AND WALLA WALLA QUADRANGLES SOUTHEAST WASHINGTON AND ADJACENT IDAHO

BY

D. A. SWANSON , T. L. WRIGHT, V. E. CAMP, J. N. GARDNER,

R. T. HELZ, S. A. PRICE, AND M. E. ROSS

1977