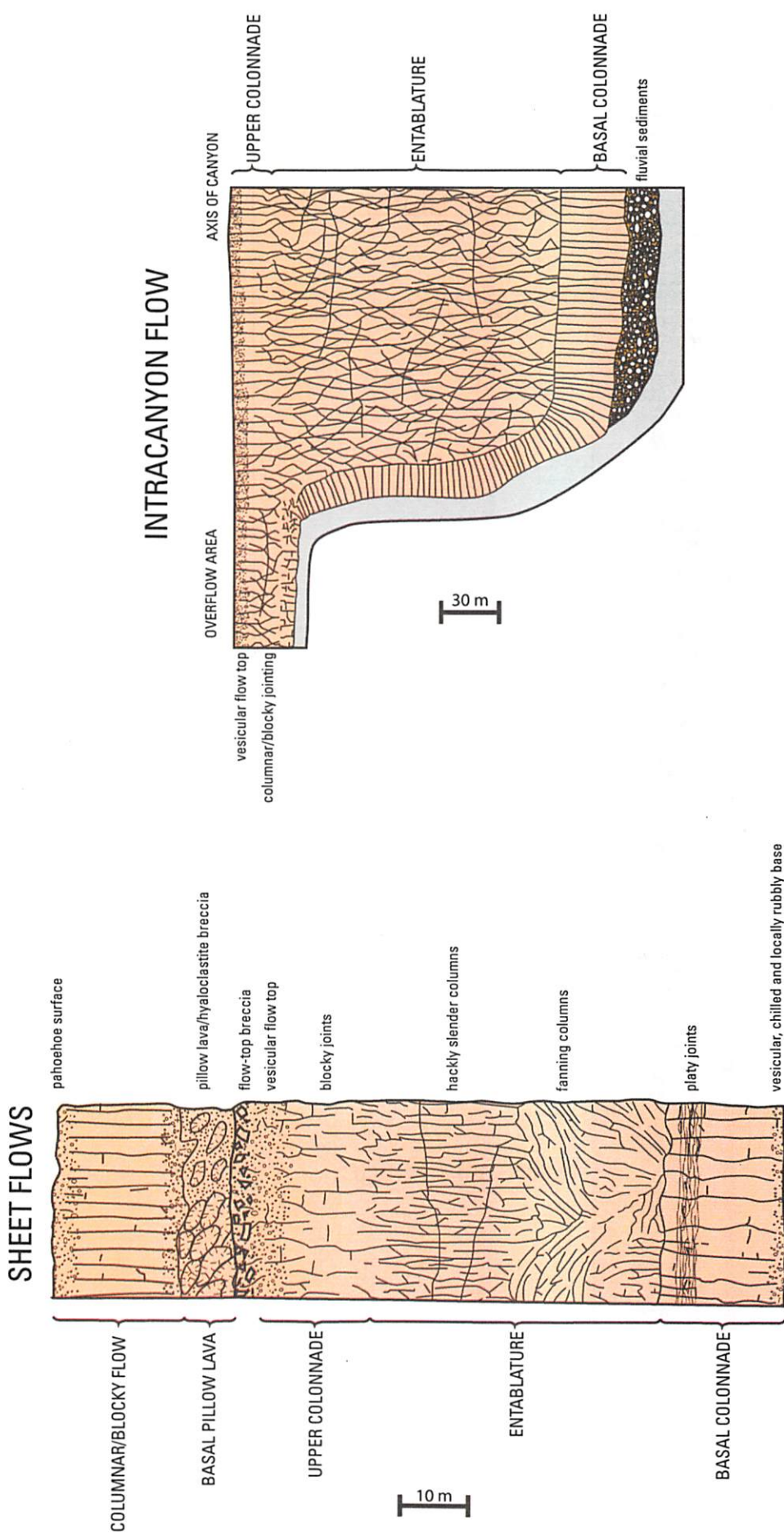
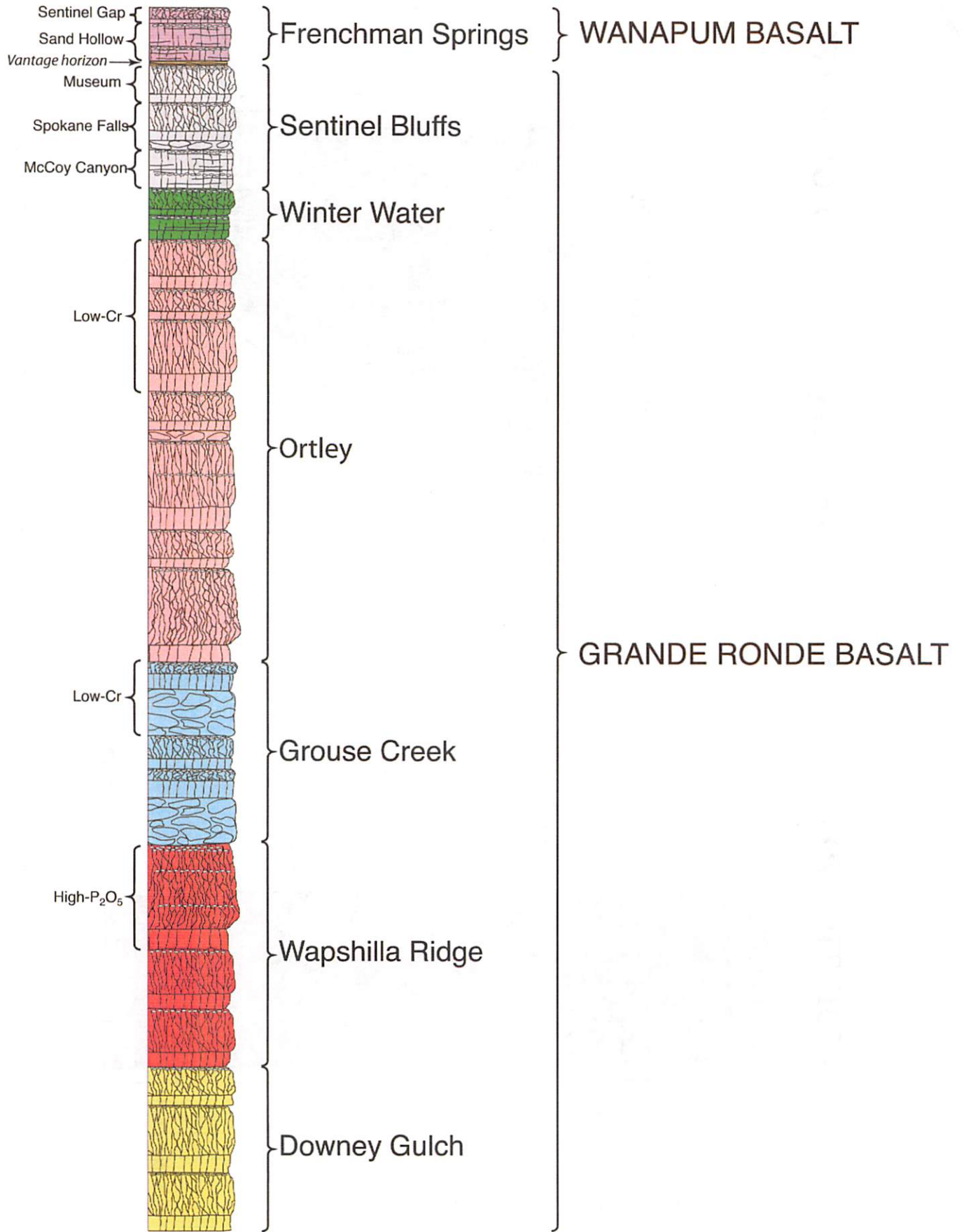
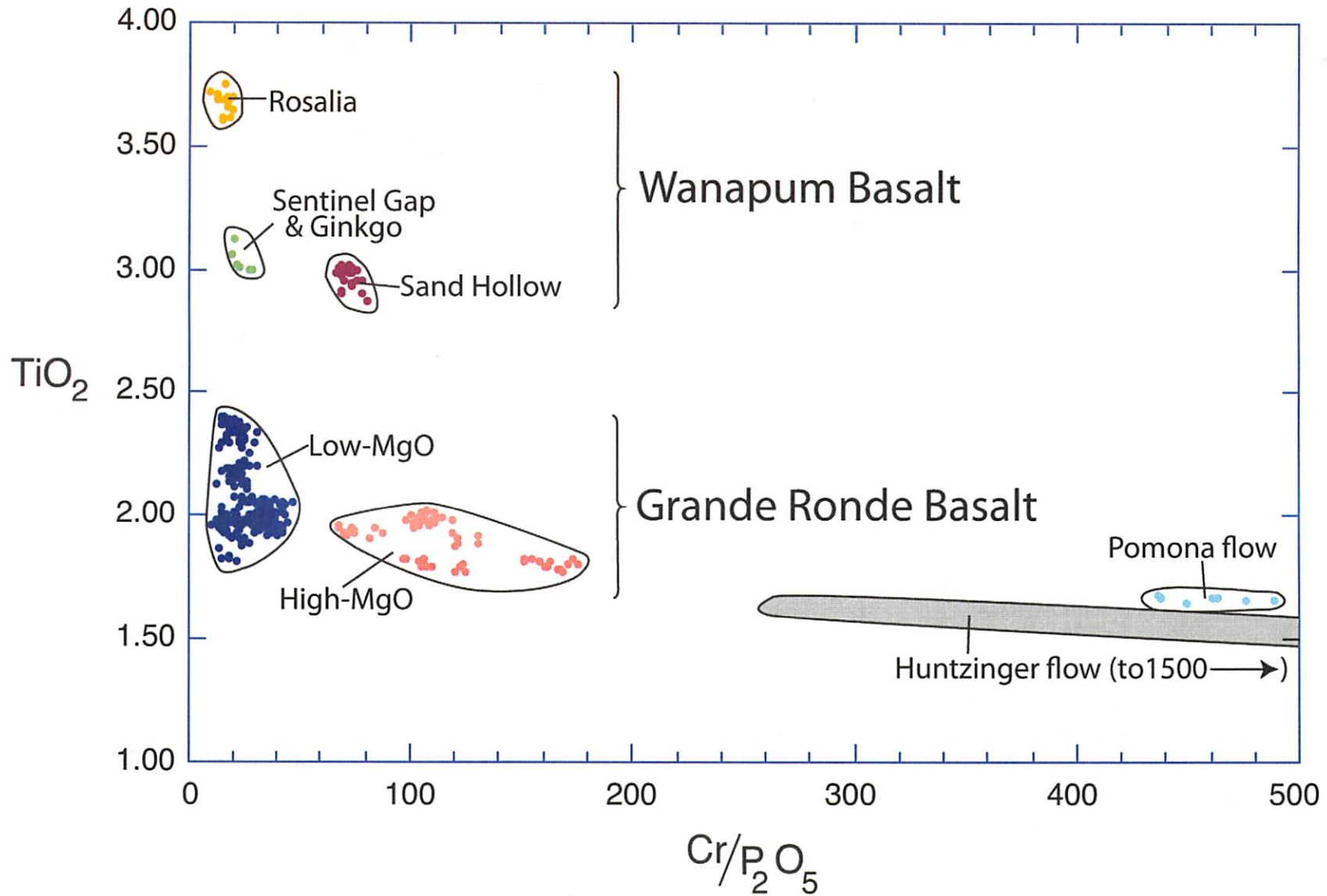


# COMMON JOINTING PATTERNS IN COLUMBIA RIVER BASALT GROUP FLOWS



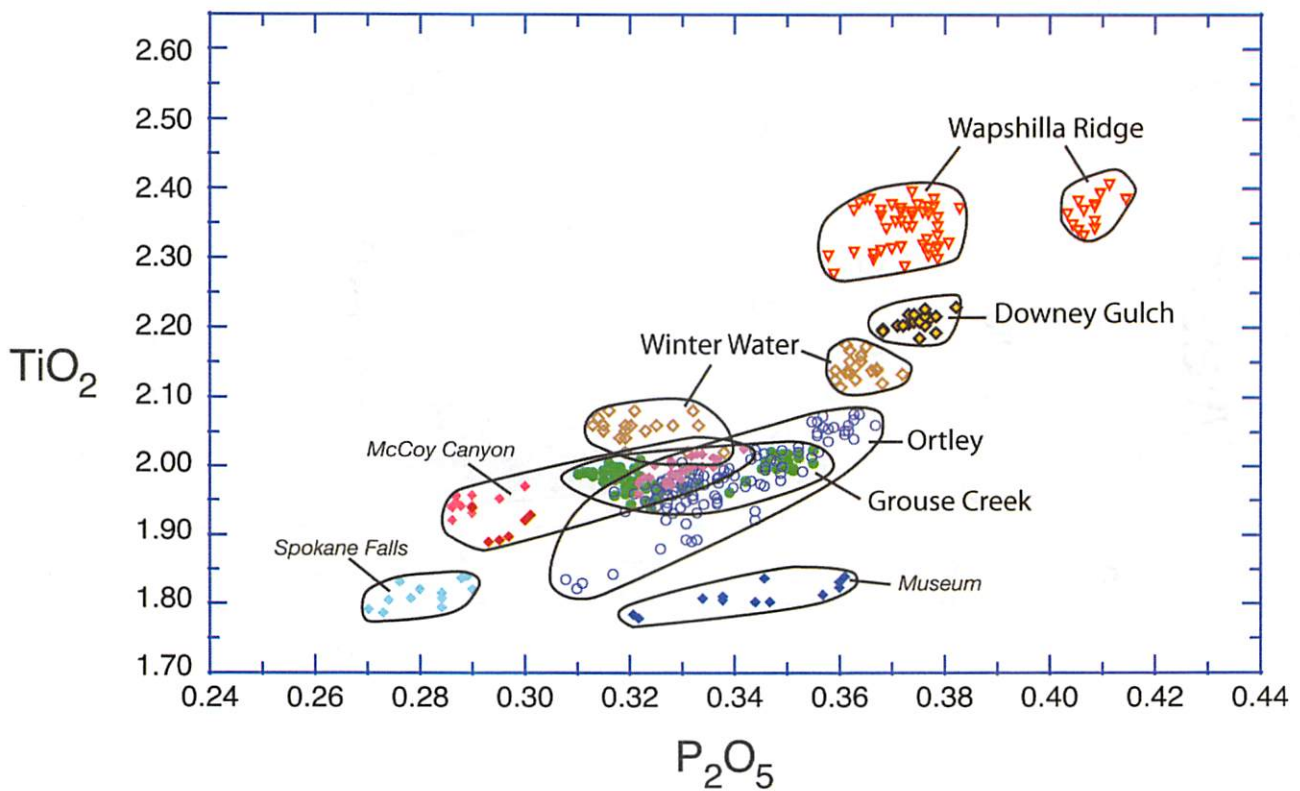
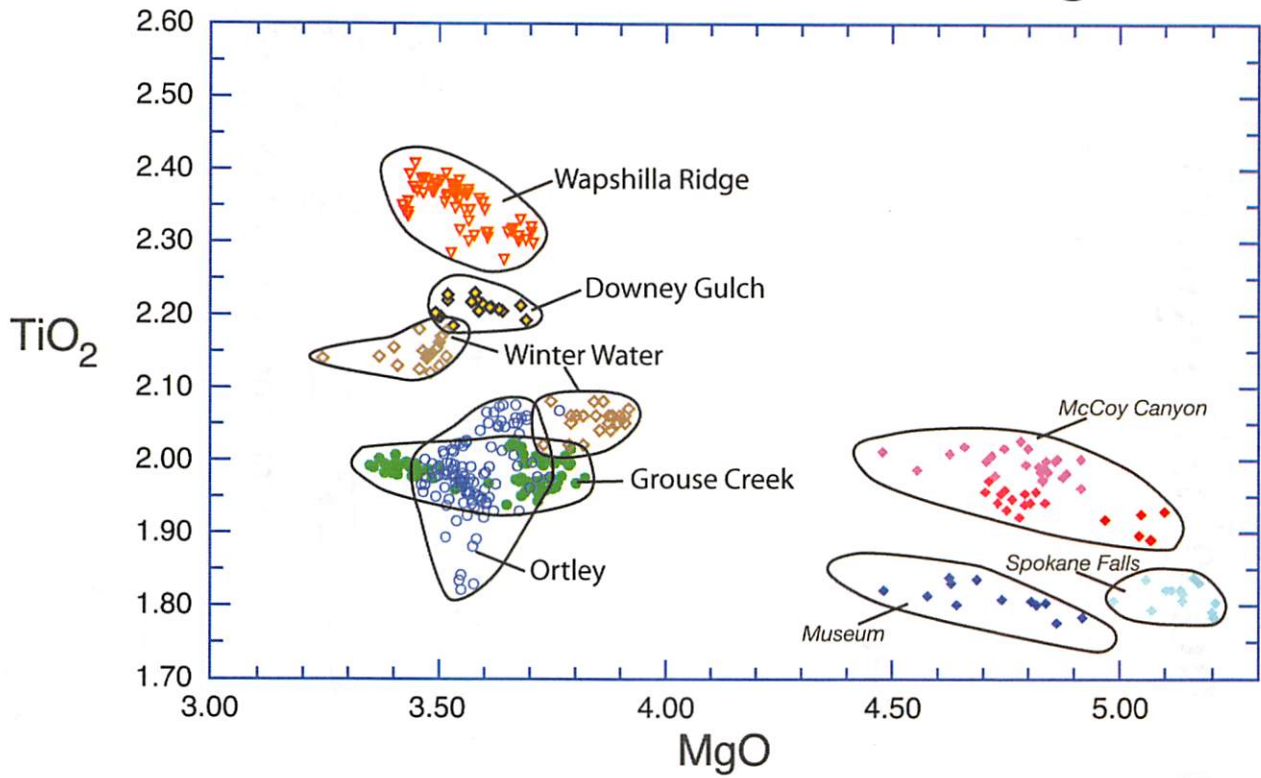


# Columbia River Basalt Group Western Oregon and Washington

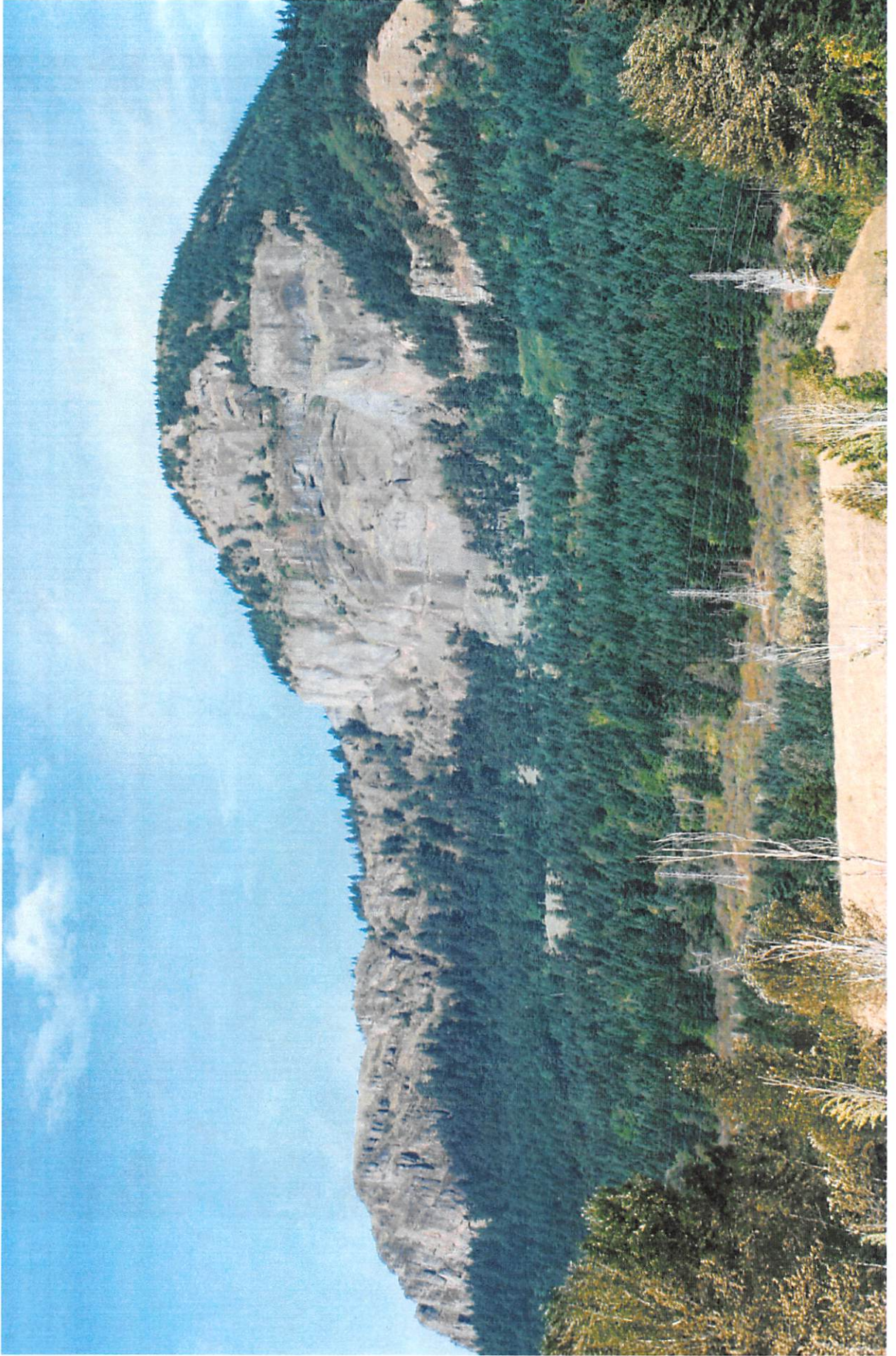


1-4

# Grande Ronde Basalt Western Columbia River Gorge



# Hamilton Mtn



1-6

Table Mtn



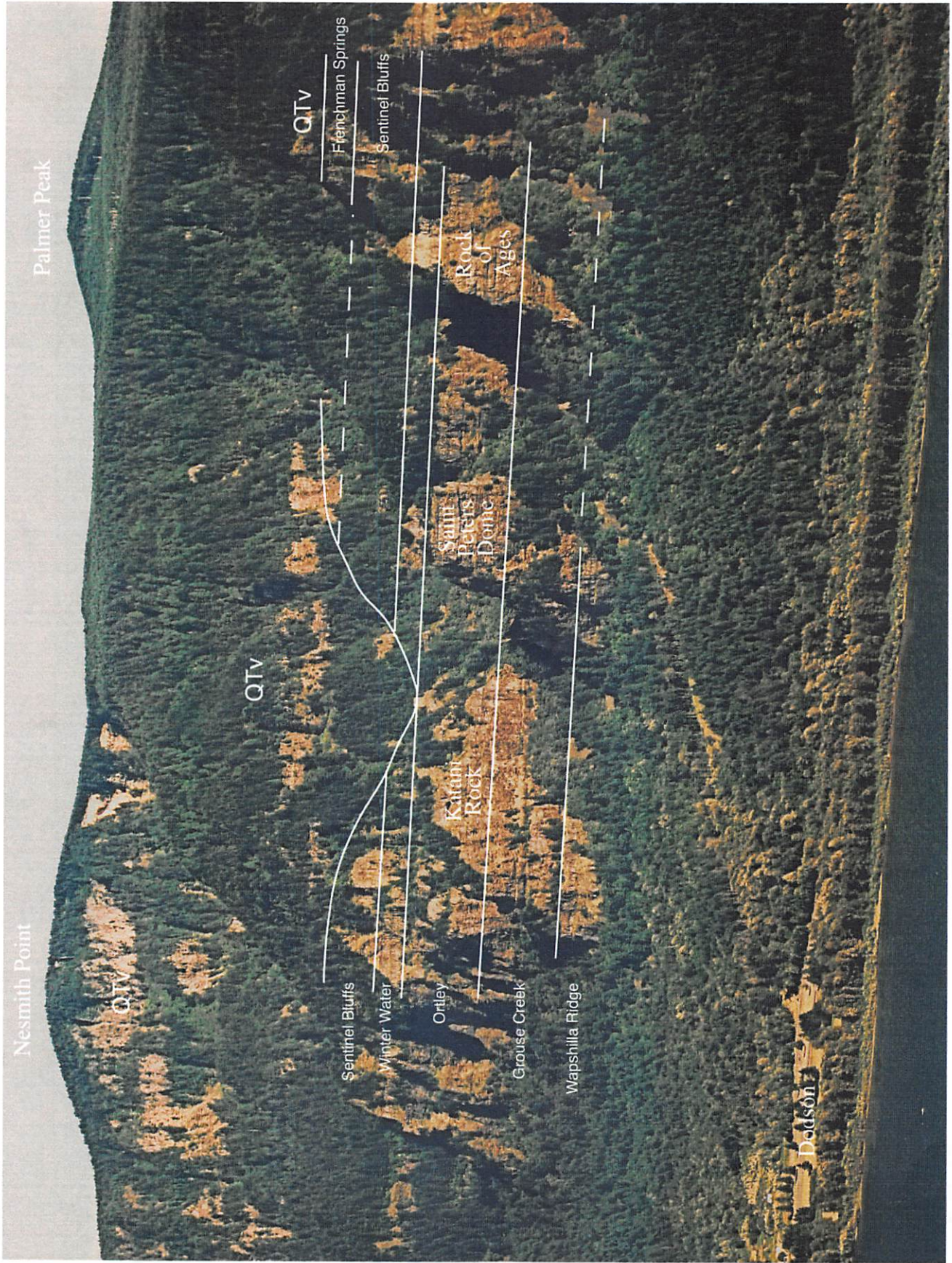
Table Mtn





Table Mtn





SYSTEM	SERIES	GROUP	SUB-GROUP	FORMATION	MEMBER	K-AR AGE (Ma)	MAGNETIC POLARITY
TERTIARY	MIOCENE	COLUMBIA RIVER BASALT GROUP	YAKIMA BASALT SUBGROUP	SADDLE MOUNTAINS BASALT	LOWER MONUMENTAL MEMBER	6	N
					erosional unconformity		
					ICE HARBOR MEMBER	8.5	N
					basalt of Goose Island		R
					basalt of Martindale		N
					basalt of Basin City		
					erosional unconformity		
					BUFORD MEMBER		R
					ELEPHANT MOUNTAIN MEMBER	10.5	R,T
					erosional unconformity		
					<i>POMONA MEMBER</i>	12	R
					erosional unconformity		
					ESQUATZEL MEMBER		N
					erosional unconformity		
					WEISSENFELS RIDGE MEMBER	13	N
					basalt of Slippery Creek		N
					basalt of Tenmile Creek		N
					basalt of Lewiston Orchards		N
					basalt of Cloverland		N
					<i>ASOTIN MEMBER</i>		N
		<i>basalt of Huntzinger</i>					
		WILBUR CREEK MEMBER		N			
		basalt of Lapwai		N			
		basalt of Wahluke					
		local erosional unconformity					
		UMATILLA MEMBER	13.5	N			
		basalt of Sillusi		N			
		basalt of Umatilla					
		local erosional unconformity					
		<i>PRIEST RAPIDS MEMBER</i>	14.5	R			
		basalt of Lolo		R			
		<i>basalt of Rosalia</i>					
		local erosional unconformity					
		ROZA MEMBER	15.3	T,R			
		SHUMAKER CREEK MEMBER		N			
		<i>FRENCHMAN SPRINGS MEMBER</i>		N			
		basalt of Lyons Ferry		N			
		<i>basalt of Sentinel Gap</i>		N			
		<i>basalt of Sand Hollow</i>		N,E			
		basalt of Silver Falls		E			
<i>basalt of Ginkgo</i>	E						
basalt of Palouse Falls							
ECKLER MOUNTAIN MEMBER		N					
basalt of Dodge		N					
basalt of Robinette Mountain							
local erosional unconformity							
GRANDE RONDE BASALT	85-90			<i>SENTINEL BLUFFS MEMBER</i>	15.6	N <sub>2</sub>	
				<i>basalt of Museum</i>			
				<i>basalt of Spokane Falls</i>			
				basalt of Stember Creek			
				basalt of Airway Heights			
				basalt of California Creek			
				<i>basalt of McCoy Canyon</i>			
				MEMBER OF SLACK CANYON			
				MEMBER OF FIELD SPRINGS			
				<i>MEMBER OF WINTER WATER</i>			
				MEMBER OF UMTANUM			
				<i>MEMBER OF ORTLEY</i>			
				MEMBER OF ARMSTRONG CANYON			
				MEMBER OF MEYER RIDGE			
				<i>MEMBER OF GROUSE CREEK</i>			
<i>MEMBER OF WAPSHILLA RIDGE</i>							
MEMBER OF MOUNT HORRIBLE							
MEMBER OF CHINA CREEK	N <sub>1</sub>						
<i>MEMBER OF DOWNEY GULCH</i>							
MEMBER OF CENTER CREEK							
MEMBER OF ROGERSBURG	R <sub>1</sub>						
TEEPEE BUTTE MEMBER							
MEMBER OF BUCKHORN SPRINGS	16.5						
IMNAHA BASALT		17.5					