



EXPLANATION

These cross sections emphasize lithologic and stratigraphic features important to hydrology. Because welded tuffs are highly fractured with high hydraulic conductivities and nonwelded tuffs are highly fractured with low hydraulic conductivities (Scott and others, 1983). Contacts shown are drawn at major changes in degree of welding rather than at petrographically defined stratigraphic breaks. Moderately and densely welded tuffs are identified by the letter "n". Commonly several petrographic units are included within the "n" designation: For example, the partially welded and nonwelded base of the Topopah Spring top of the Bullfrog Member form one unit in some localities. Lava flows and flow breccias have formal stratigraphic symbols with no suffix; these units are commonly highly fractured (James H. Robison, U.S.G.S., oral commun., 1984). Stratigraphic data at drill holes are from R.W. Spengler and others, 1981; Maldonado and Koether, 1983; R.B. Scott, U.S.G.S., and Mayra C. G.D. Bath, U.S.G.S., written commun., 1984; Bath and Jahren, 1984; gravity data (D.A. Ponce, U.S.G.S., written commun., 1984); refraction seismology (H.D. Ackermann, U.S.G.S., written commun., 1984).

Physical-Property Stratigraphic Units		Stratigraphic Units-continued		Stratigraphic Units-continued	
Quaternary/Tertiary	QTac Alluvium and Colluvium	Tpcw	Prow Pass Member of Crater Flat Tuff, welded	Tlrw	Lithic Ridge Tuff, welded, continued
	Tmrw/Tmra Rainier Mesa Member of Timber Mountain Tuff, w-welded, n-nonwelded	n	Nonwelded tuff	n	Nonwelded tuff
	n Nonwelded tuff	Tcbw	Bullfrog Member of Crater Flat Tuff, welded	Tfb	Lava flows and breccias
	Tpcw Tiva Canyon Member of Paintbrush Tuff, welded	n	Nonwelded tuff	n	Nonwelded tuff
	n Nonwelded tuff	Tcbw	Bullfrog Member, welded, continued	Tfb	Lava flows and breccias
	Tpyw Yucca Mountain Member of Paintbrush Tuff, welded	n	Nonwelded tuff	n	Nonwelded tuff
Tertiary	n Nonwelded tuff	Tctw	Tram Member of Crater Flat Tuff, welded	Totw	Older tuffs, welded
	Tppw Pah Canyon Member of Paintbrush Tuff, welded	n	Nonwelded tuff	n	Nonwelded tuff
	n Nonwelded tuff	Tctw	Tram Member, welded, continued	Totw	Older tuffs, welded, continued
	Tptw Topopah Spring Member of Paintbrush Tuff, welded	n	Nonwelded tuff	n	Nonwelded tuff
	n Nonwelded tuff	Tctw	Tram Member, welded, continued	Totw	Older tuffs, welded, continued
	Thf Rhyolitic lava flows and flow breccia	n	Nonwelded tuff	n	Nonwelded tuff
	n Nonwelded tuff	Tfb	Lava flows and flow breccias	Tfg	Fanglomerate
	Thf Rhyolitic lava flows and flow breccia, continued	n	Nonwelded tuff	n	Nonwelded tuff
	n Nonwelded tuff	Tlrw	Lithic Ridge Tuff, welded	Pd	Paleozoic dolomite
	n Nonwelded tuff	n	Nonwelded tuff		

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