

Table A2. Unit Thicknesses at the Red Hill (all values in meters)

Unit	Formation	Member	T _{min}	T _{max}	Sources	This Study
Kw	Wahweap	—	—	300	Knudsen (2014a)	300
Kst	Straight Cliffs	—	702	707	Knudsen (2014a)	417
Kn	Naturita	—	—	290	Knudsen (2014a)	290
Kcm	Cedar Mountain	—	15	18	Knudsen (2014a)	18
Jcw	Carmel	Windsor	75	90	Knudsen (2014a)	90
Jcpl	Carmel	Pariah River	11	15	Knudsen (2014a)	15
Jcpg	Carmel	Pariah River	—	37	Knudsen (2014a)	37
Jcx	Carmel	Crystal Creek	—	90	Knudsen (2014a)	90
Jcc	Carmel	Coop Creek	—	193	Knudsen (2014a)	193
Jtm	Temple Cap	—	—	37	Knudsen (2014a)	37
Jn	Navajo Sandstone	—	—	325	Knudsen (2014a)	417
Jkc	Kayenta Formation	Cedar City Tongue	—	130	Knudsen (2014a)	124
Jns	Navajo Sandstone	Shurtz Tongue	—	90	Knudsen (2014a)	139
Jkm	Kayenta Formation	Main Body	—	88	Knudsen (2014a)	68
Jks	Kayenta Formation	Springdale Sandstone	—	40	Knudsen (2014a)	67
JTRm	Moenave Formation	Dinosaur Canyon	—	90	Knudsen (2014a)	76
TRcu	Chinle Formation	Petrified Forest	—	90	Knudsen (2014a)	77
TRcs	Chinle Formation	Shinarump Conglomerate	9	15	Knudsen (2014a)	30
TRcl	Chinle Formation	Lower	—	60	Knudsen (2014a)	50
TRmu	Moenkopi Formation	Upper Red ember	—	120	Knudsen (2014a)	95
TRms	Moenkopi Formation	Shnabkaib Member	—	98	Knudsen (2014a)	108
TRmm	Moenkopi Formation	Middle Red Member	—	128	Knudsen (2014a)	128
TRmv	Moenkopi Formation	Virgin Member	—	40	Knudsen (2014a)	49
TRml	Moenkopi Formation	Lower Red ember	—	75	Knudsen (2014a)	75
TRmt	Moenkopi Formation	Timpoweap Member	—	37	Knudsen (2014a)	37 ¹
TRmr	Moenkopi Formation	Rock Canyon Conglomerate	0	27	Biek and Hayden (2016)	18
Pkh	Kaibab Formation	Harrisburg Member	—	30	Biek and Hayden (2016)	12
Pkf	Kaibab Formation	Fossil Mountain	—	60 +	Biek and Hayden (2016)	70
Ptw	Toroweap Formation	Woods Ranch	37	76	Hurlow and Biek (2003)	83
Ptbs	Toroweap Formation	Brady Canyon/Seligman	76	87	Hurlow and Biek (2003)	53
Pqu	Queantoweap Sandstone	Upper Member	400	500	Hurlow and Biek (2003)	407
Pql	Queantoweap Sandstone	Lower Member	37	245	Hurlow and Biek (2003)	241
Pp	Pakoon Formation	—	—	75+	Hurlow and Biek (2003)	90
Pec	Callville Limestone	—	—	85	Hurlow and Biek (2003)	85
Mr	Redwall Limestone	—	—	370	Biek and others (2010)	370
Dmp	Muddy Peak Dolomite	Pinnacle Unit	—	49	Hintze (1986)	49
Dms	Muddy Peak Dolomite	Slope Forming Unit	—	158	Hintze (1986)	159
Cnd	Nopah Dolomite	—	114	396	Steed (1980), Hintze (1986)	114
Cbk	Bonanza King	—	762		Hintze (1986)	762
Cba	Bright Angel Shale	—	75	100	Biek and others (2010)	90
Ct	Tapeats Sandstone	—	—	400	Biek and others (2010)	400

¹ Beyond TRmt, none of the following strata are exposed at the Red Hill