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**DECLARATION OF RICH BURTELL ON THE  
NON-NAVIGABILITY OF THE VERDE RIVER  
AT AND PRIOR TO STATEHOOD**

*In re Determination of Navigability of the Verde River  
(Case No. 04-009-NAV)*

**September 2014**

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TABLE 5. RECONSTRUCTED VERDE RIVER STREAM FLOWS AND DEPTHS

USGS GAGE	ASLD STREAM SEGMENT	DRAINAGE AREA (square miles) <sup>a</sup>	PERIOD OF RECORD	DURATION OF DAILY MEAN FLOW (cfs) <sup>b, c</sup>				RECONSTRUCTED MEAN STREAM DEPTH (feet) <sup>f</sup>	
				Measured <sup>d</sup>		Reconstructed <sup>e</sup>		25%	50%
				25%	50%	25%	50%		
near Clarkdale	2	3,530	June 1915 to July 1921	92	84	101	93	1.6	1.6
at Camp Verde	2	4,220	January 1913 to March 1920	265	149	432	316	1.4	1.1
near Camp Verde	3	5,000	April 1934 to December 1940	243	184	419	360	2.0	1.9
below East Verde River	4	5,610	July 1934 to December 1940	404 <sup>g</sup>	257 <sup>a,g</sup>	587	440	2.2	1.8
below Bartlett Dam	5	6,180	February 1925 to February 1939	387	254	570	437	1.6	1.5

## Notes:

<sup>a</sup> From USGS (1954, pp.685-693).

<sup>b</sup> cfs = cubic feet per second.

<sup>c</sup> 25% indicates that, over the period of record, daily mean flows at the gage equaled or exceeded the specified value during 25% of the time. Similarly, 50% indicates that the specified flow was equaled or exceeded 50% of the time. The latter is equivalent to the median daily flow over the period of record.

<sup>d</sup> Daily mean flow data from USGS (2014a).

<sup>e</sup> Calculated by adding the estimated stream depletions from **Table 6** to the measured flows listed here.

<sup>f</sup> Based on the reconstructed flow rates listed here and the rating curves presented in **Figures 8** through **10**.

<sup>g</sup> Daily mean flow data were unavailable for this gage so monthly mean flow data were used instead.