



**SMUD**

SACRAMENTO MUNICIPAL UTILITY DISTRICT

The Power To Do More.<sup>SM</sup>

**SACRAMENTO MUNICIPAL UTILITY DISTRICT  
UPPER AMERICAN RIVER PROJECT**

**NEW SLAB CREEK POWERHOUSE PROJECT**

**ITEM #1**

**TABULAR AND GRAPHICAL REPRESENTATIONS  
OF WETTED PERIMETER OF THE ¼-MILE REACH  
IN 5 CFS INCREMENTS FROM 10 CFS TO 36 CFS  
AND THEN 63 CFS**

Table 1. Wetted channel area for a range of flow from 10 to 35cfs.

Discharge (cfs)	Total Area (ft <sup>2</sup> )	Area downstream of pool (ft <sup>2</sup> )
10	102,600	68,100
15	107,000	72,400
20	109,800	75,300
25	111,400	76,800
30	112,700	78,200
35	114,400	79,800
63	120,900	86,400

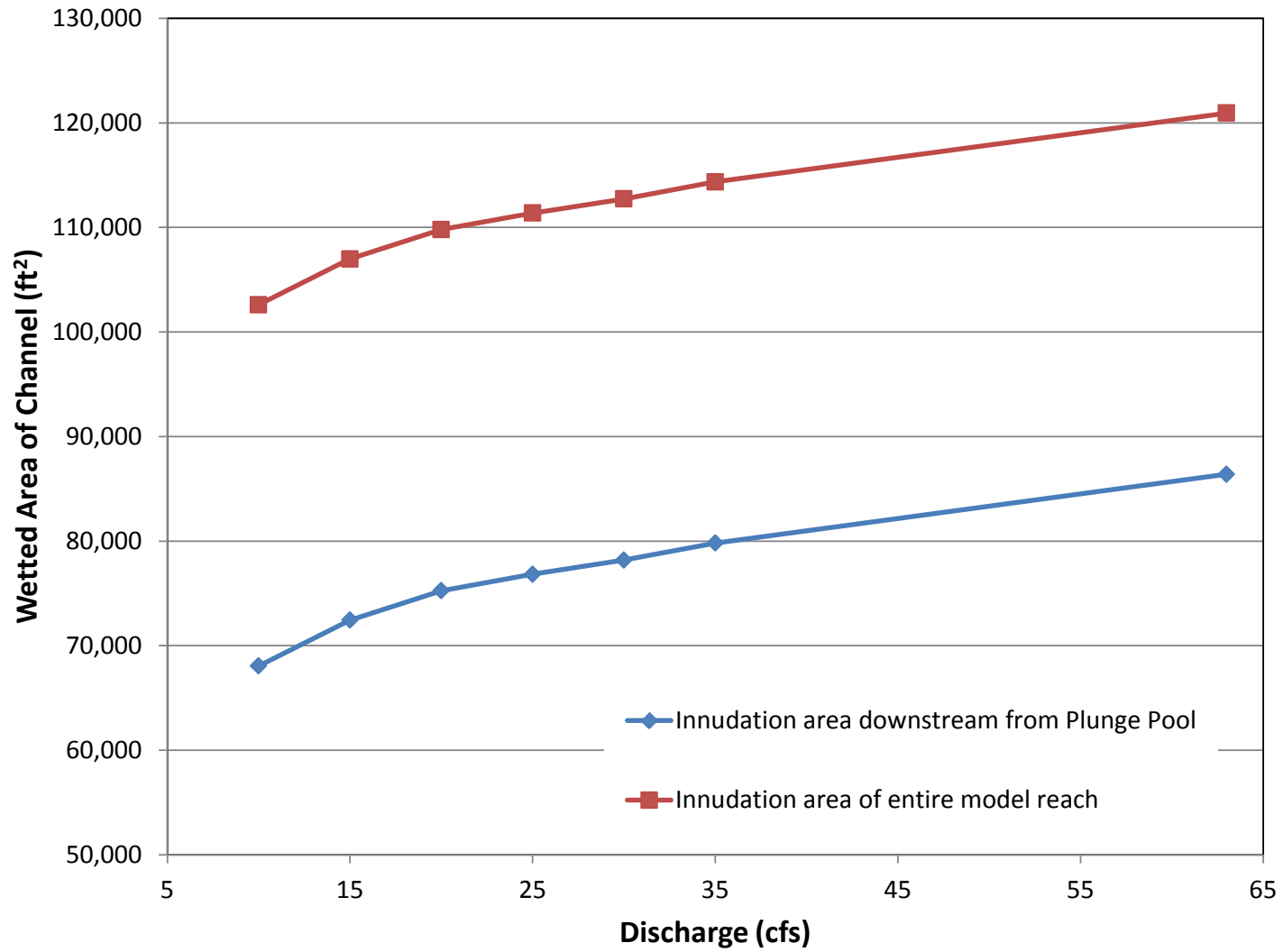


Figure 1. Predicted inundation area for the entire model reach and for the area downstream from the plunge pool for a range of flows from 10 to 63 cfs.