



Point of Interest	Watershed Area (ac)	Bear Lake Watershed as a Percentage of	Average Seasonal Discharge, Oct-Jul (af)
Bear Creek at Bear Lake Dam <sup>(1)</sup>	520	100%	1,720
Bear Creek/Corral Gulch Above Bloods Creek <sup>(1)</sup>	2,003	26%	6,626
Bloods Creek Above Confluence with Bear Creek <sup>(2)</sup>	2,001	26%	6,619
Bloods Creek Above Confluence with North Fork Stanislaus River <sup>(1)</sup>	7,240	7.18%	23,949
S000998 Utica Power Authority POD at McKay's Point <sup>(3)</sup>	110,383	0.47%	237,110
USGS 11294500 North Fork Stanislaus River Near Avery, CA	110,419	0.47%	297,727
New Melones Reservoir Watershed within Alpine County <sup>(4)</sup>	90,329	0.58%	175,401
Stanislaus River at New Melones <sup>(5)</sup>	577,506	0.09%	1,121,405
Stanislaus River - Goodwin (SNS), Full Natural Flow <sup>(6)</sup>	631,040	0.08%	1,154,276

**Notes:**  
 (1) Estimated based on a watershed area ratio with calculated Bloods Creek flow above Bear Creek.  
 (2) Calculated based on a double mass relationship with USGS 11266500 Merced River at Pohono Bridge Near Yosemite, CA.  
 (3) Estimated based on a watershed area ratio with USGS 11266500 Merced River at Pohono Bridge Near Yosemite, CA.  
 (4) Calculated based on a watershed area ratio with reported New Melones Lake full natural inflow. Average annual discharge = 183,954 af.  
 (5) New Melones Lake full natural inflow as reported by USBR. Average annual discharge = 1,176,090 af.  
 (6) As reported by DWR on CDEC website ([http://cdec.water.ca.gov/cgi-progs/stationInfo?station\\_id=SNS](http://cdec.water.ca.gov/cgi-progs/stationInfo?station_id=SNS)), accessed June 2008.

**PLATE I**  
 County of Alpine - Lake Alpine  
 Water Company

Watershed Areas within New  
 Melones Watershed,  
 Average Seasonal Discharge,  
 Place of Use for State Filed  
 Application 5648, and Proposed  
 Addition to Place of Use