

## Water Samples for Veliger Enumeration at Lake Mead National Recreation Area June 2007

This is a summary of the results of water samples that were assessed for veliger enumeration by the US Bureau of Reclamation in June 2007 at Lake Mead National Recreation Area. The samples were collected from Sandy Point, Echo Bay, Temple Bar, and Hoover Dam, Placer Cove, Cottonwood Cove, Katherine Landing, and Willow Beach.

### Results:

<b>Location</b>		<b>Collection Date</b>	<b>Sample type</b>	<b>Total sample volume (liters)</b>	<b>Veliger count (average/liter)</b>	<b>Veliger change since May 2007</b>
Sandy Point		June 14	4 x 30m plankton tow	2,120.6	0.5	+0.5
Echo Bay		June 12	4 x 30m plankton tow	2,120.6	0.2	+0.12
Temple Bar		June 14	4 x 30m plankton tow	2,120.6	0.7	+0.1
Hoover Dam	<i>Deep tow</i>	June 13	2 x 30m plankton tow	1,060.3	28.7	+27.8
	<i>Shallow tow</i>	June 13	6 x 10m plankton tow	1,060.3	3.7	-21.3
Willow Beach		June 12	1 x 60m horizontal tow	1,060.3	35.9	+24.2
Placer Cove		June 12	4 x 15m vertical tow	1,060.3	24.9	-37.1
Cottonwood Cove		May 15	2 x 30m plankton tow	1,060.3	22.7	+4.7
Katherine Landing		May 15	2 x 30m plankton tow	1,060.3	40.3	+29.7

All samples were generally clear and contained some algae, a few organisms, and numerous cells that were either ostracods or veligers. This veliger count only reflects the positively identified veligers and questionable cells were not included in the count.