

## Memorandum

Date: 9/5/2014

To: Ben Ewing  
District Fisheries Biologist  
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From: Ben Onanian  
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Subject: **Region 2 All Staff Meeting, Jenkinson Lake Electrofishing Demonstration**

Electrofishing data was collected from Jenkinson Lake on July 28 and 29, 2014 during California Department of Fish and Wildlife's (CDFW) Region 2 All Staff Meeting at Jenkinson Lake (El Dorado County). The electrofishing boat was operated by CDFW District Fisheries Biologist Ben Ewing and netters were comprised of various CDFW staff in attendance. Jenkinson Lake is a 640 acre lake located in El Dorado County and is situated approximately 3,480 feet above sea level. Jenkinson Lake is a popular fishery, with populations of rainbow trout, (RT) (*Onchorhynchus mykiss*), brown trout, (BN) (*Salmo trutta*), lake trout, (LT) (*Salvelinus namaycush*) and smallmouth bass, (SMB) (*Micropterus dolomieu*) being the most prevalent target species.

The electrofishing excursions were not intended to be part of an accurate general fish survey. The purpose of these electro fishing outings was to provide all Region 2 staff members with brief insight and experience with a common survey technique used to sample fish in lakes and reservoirs. Electrofishing was divided into four, thirty minute segments throughout each day. Data collected was not compartmentalized to correspond with individual thirty minute segments, and therefore is representative of a day in its entirety. On July 28<sup>th</sup>, generator seconds recorded were 1365 sec and on July 29<sup>th</sup> 2475 generator seconds were recorded.

The only species observed over the two day period was SMB. On July 28<sup>th</sup> a total of ten SMB were recorded, with the largest SMB measuring 171 mm in total length and weighing 75 g (Table 1). The average total length on July 28<sup>th</sup> was 124.4 mm. On July 29<sup>th</sup> a total of 6 SMB were recorded, with the largest SMB measuring 135 mm in total length and weighing 26 g (Table 2). The average total length of SMB on July 29<sup>th</sup> was 89.2 mm. Over the two day period, the largest SMB recorded measured 171 mm and weighed 75 g, the smallest measured 45 mm and weighed 1 g while the average for July 28<sup>th</sup> and 29<sup>th</sup> was 111.2 mm.

Table 1. SMB recorded on July 28, 2014 at Jenkinson Lake.

<u>Smallmouth Bass (SMB)</u>	
<u>Length TL (mm)</u>	<u>Weight (g)</u>
171	75
140	33
138	
131	
125	
125	21
122	
117	12
110	
65	3

Table 2. SMB recorded on July 29, 2014 at Jenkinson Lake.

<u>Smallmouth Bass (SMB)</u>	
<u>Length TL (mm)</u>	<u>Weight (g)</u>
135	26
125	18
125	20
55	2
50	2
45	1