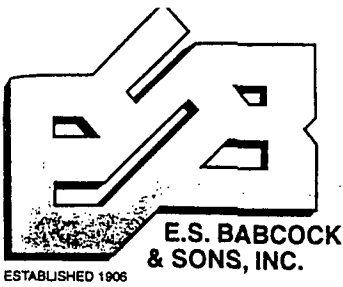


## 5. Metcalf Creek:

- Beneficial Uses: MUN, GWR, REC1, REC2, COLD, WILD, SPWN
- Hydrologic Unit: 801.71
- Total Water Body Size: 2 miles
- Size Impaired: Unknown at this time
- Extent of Impairment: Unknown at this time
- Data Analyses:
  - *Big Bear Municipal Water District Data:*
    - 4/4 exceeded the Basin Plan TIN objective (for Big Bear Lake) of 0.15 mg/l
    - 0/4 exceeded the Basin Plan total phosphorus objective (for Big Bear Lake) of 0.15 mg/L
    - 4/4 exceeded the Basin Plan TIN objective (for Big Bear Lake) of 0.15 mg/l
- Potential Sources: Unknown at this time
- Recommendation: add to 303(d) list for nitrogen; TMDL for Big Bear Lake and tributaries underway
- TMDL Priority: high
- TMDL Start Date: 2002
- TMDL End Date: 2005



Laboratory Results

370

Client:

Big Bear Municipal Water Dist.  
 Gene Martin  
 P.O. Box 2863

Big Bear Lake, CA 92315

Client I.D.: METCALF CREEK  
 Site: BIG BEAR, CA.  
 Description:

Matrix: water

Page: 1 of 1  
 Lab No.: L71650-005

Date Reported: 07/19/00

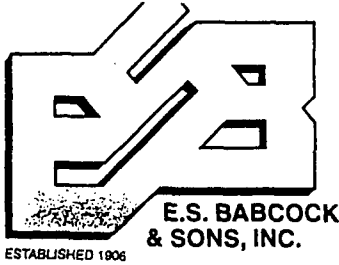
Collected By: MS  
 Date: 07/10/00  
 Time: 0842  
 Submitted By: Client  
 Date: 07/11/00  
 Time: 1111

<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Nitrate-Nitrogen	ND mg/L	EPA 300.0	0.05	000711/KOS
Total Phosphorus	0.09 mg/L	SM 4500-PB4E	0.05	000717/JB
Nitrite-Nitrogen	ND mg/L	SM 4500-NO2B	0.01	000711/AEC
Kjeldahl Nitrogen	0.35 mg/L	EPA 351.2	0.05	000718/BW
Total Nitrogen	0.35 mg/L	Calculation	0.05	000718/BW

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

  
 \_\_\_\_\_  
 ESB Project Reviewer



### Laboratory Results

370

**Client:**

Big Bear Municipal Water Dist.  
Gene Martin  
P.O. Box 2863

Big Bear Lake, CA 92315

Client I.D.: METCALF CREEK  
Site: BIG BEAR, CA.  
Description:

Matrix: water

Page: 1 of 1  
Lab No.: L70116-003

Date Reported: 06/28/00

Collected By: MS  
Date: 06/05/00  
Time: 0915  
Submitted By: Client  
Date: 06/05/00  
Time: 1224

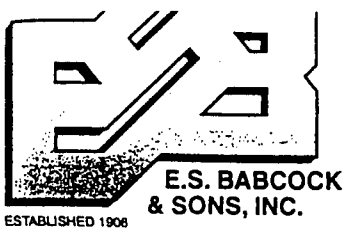
<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Ammonia-Nitrogen	ND mg/L	SM4500-NH3 H	0.05	000609/KS
Nitrate-Nitrogen	ND mg/L	EPA 300.0	0.05	000605/KOS
Total Phosphorus	ND mg/L	SM 4500-PB4E	0.05	000614/JB
Nitrite-Nitrogen	ND mg/L	SM 4500-NO2B	0.05	000605/TF
Kjeldahl Nitrogen	0.33 mg/L	EPA 351.2	0.05	000613/BW
Inorganic Nitrogen	ND mg/L	Calculation	0.05	000609/KS
Total Nitrogen	0.36 mg/L	Calculation	0.05	000613/BW

ND = None detected at RL (Reporting Limit). RL units same as result.

NO2N was analyzed by Ion Chromatography and 0.01 RL for NO2N was not achieved.

cc:

ESB Project Reviewer



### Laboratory Results

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**Client:**

Big Bear Municipal Water Dist.  
Gene Martin  
P.O. Box 2863

Big Bear Lake, Ca 92315

Client I.D.: METCALF CREEK  
Site: BIG BEAR, CA.  
Description:

Matrix: water

Page: 1 of 1  
Lab No.: L69143-003

Date Reported: 05/25/00

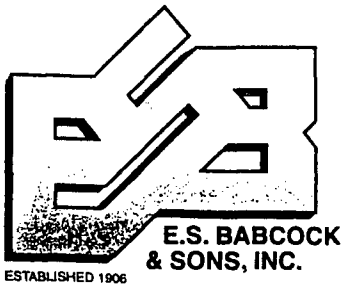
Collected By: MS  
Date: 05/08/00  
Time: 1213  
Submitted By: GM  
Date: 05/09/00  
Time: 1321

<u>Constituent</u>	<u>Result</u>		<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Ammonia-Nitrogen	ND	mg/L	SM4500-NH3 H	0.05	000517/KS
Nitrate-Nitrogen	ND	mg/L	EPA 300.0	0.05	000509/KOS
Total Phosphorus	ND	mg/L	SM 4500-PB4E	0.05	000509/RK
Nitrite-Nitrogen	ND	mg/L	SM 4500-NO2B	0.01	000509/TF
Kjeldahl Nitrogen	0.4	mg/L	EPA 351.2	0.1	000522/BW
Inorganic Nitrogen	ND	mg/L	Calculation	0.05	000524/SF
Total Nitrogen	0.4	mg/L	Calculation	0.2	000522/BW

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

  
ESB Project Reviewer



Santa Ana Region 8  
 Environ 2001 WQA/303 D List Update  
 6100 Quail Va Supporting Data  
 P.O Metcalf Creek  
 PH Page 5 of 5  
 e-mail: esbsales@aol.com  
 www.babcocklabs.com

370

Client:

Big Bear Municipal Water Dist.  
 Gene Martin  
 P.O. Box 2863

Big Bear Lake, Ca 92315

Client I.D.: METCALF CREEK  
 Site: BIG BEAR, CA.  
 Description:

Matrix: water

Page: 1 of 1  
 Lab No.: L67695-001

Date Reported: 04/14/00

Collected By: MS  
 Date: 04/03/00  
 Time: 0900  
 Submitted By: MS  
 Date: 04/04/00  
 Time: 1423

<u>Constituent</u>	<u>Result</u>	<u>Method</u>	<u>RL</u>	<u>Date / Analyst</u>
Nitrate-Nitrogen	ND mg/L	EPA 300.0	0.2	000404/KOS
Total Phosphorus	ND mg/L	SM 4500-PB4E	0.05	000410/RK
Nitrite-Nitrogen	ND mg/L	SM 4500-NO2B	0.1	000404/TF
Kjeldahl Nitrogen	0.4 mg/L	EPA 351.2	0.1	000412/BW
Total Nitrogen	0.4 mg/L	Calculation	0.2	000412/BW

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons Inc.