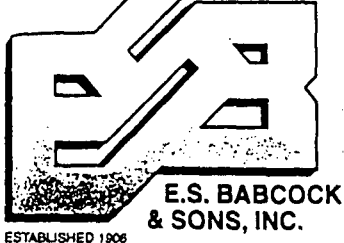


## 6. Boulder Creek:

- 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 Objective total phosphorus (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

(250)



370

Client:

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

Big Bear Lake, Ca 92315

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

Matrix: water

Page: 1 of 1  
Lab No.: L67695-002

Date Reported: 04/14/00

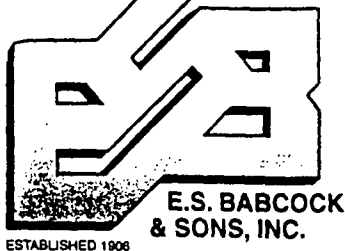
Collected By: MS  
Date: 04/03/00  
Time: 0905  
Submitted By: MS  
Date: 04/04/00  
Time: 1423

Constituent	Result		Method	RL	Date / Analyst
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	0.3	mg/L	EPA 351.2	0.1	000412/BW
Total Nitrogen	0.3	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.



### Laboratory Results

370

**Client:**

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

Big Bear Lake, CA 92315

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

Matrix: water

Page: 1 of 1  
Lab No.: L71650-003

Date Reported: 07/19/00

Collected By: MS  
Date: 07/10/00  
Time: 0848  
Submitted By: Client  
Date: 07/11/00  
Time: 1111

Constituent	Result	Method	RL	Date / Analyst
Nitrate-Nitrogen	ND mg/L	EPA 300.0	0.05	000711/KOS
Total Phosphorus	ND mg/L	SM 4500-PB4E	0.05	000717/JB
Nitrite-Nitrogen	ND mg/L	SM 4500-NO2B	0.01	000711/AEC
Kjeldahl Nitrogen	0.22 mg/L	EPA 351.2	0.05	000718/BW
Total Nitrogen	0.22 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.: BOULDER CREEK  
Site: BIG BEAR, CA.  
Description:

Matrix: water

Page: 1 of 1  
Lab No.: L70116-004

Date Reported: 06/28/00


Collected By: MS  
Date: 06/05/00  
Time: 0920  
Submitted By: Client  
Date: 06/05/00  
Time: 1224

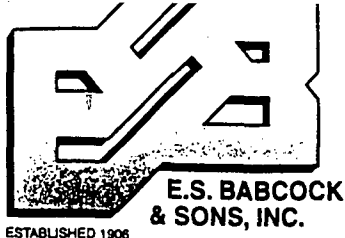
Constituent	Result	Method	RL	Date / Analyst
Ammonia-Nitrogen	ND mg/L	SM4500-NH3 H	0.05	000609/KS
Nitrate-Nitrogen	ND mg/L	EPA 300.0	0.05	000605/KOS
Total Phosphorus	ND mg/L	SM 4500-PB4E	0.05	000614/JB
Nitrite-Nitrogen	ND mg/L	SM 4500-NO2B	0.05	000605/TF
Kjeldahl Nitrogen	0.31 mg/L	EPA 351.2	0.05	000613/BW
Inorganic Nitrogen	ND mg/L	Calculation	0.05	000609/KS
Total Nitrogen	0.32 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

370

**Client:**

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

Big Bear Lake, Ca 92315

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

Matrix: water

Page: 1 of 1  
Lab No.: L69143-004

Date Reported: 05/25/00

Collected By: MS  
Date: 05/08/00  
Time: 1218  
Submitted By: GM  
Date: 05/09/00  
Time: 1321

Constituent	Result		Method	RL	Date / Analyst
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

Receiving Water Body	Parameter Name	Number of times above std.	Standard	Source of Standard
Big Bear Lake-Station 1	Total Nitrogen	8/8 = 100%	0.15 mg/L	1995 Santa Ana River Basin Plan.
Big Bear Lake-Station 2	Total Nitrogen	5/5 = 100%	0.15 mg/L	1995 SAR River Basin Plan.
Big Bear Lake-Station 3	Total Nitrogen	5/5 = 100%	0.15 mg/L	1995 SAR Basin Plan
Big Bear Lake-Station 4	Total Nitrogen	5/5 = 100%	0.15 mg/L	1995 SAR Basin Plan.
Big Bear Lake-Station 5	Total Nitrogen	8/8 = 100%	0.15 mg/L	1995 SAR Basin Plan.
Boulder Creek	Total Nitrogen	4/4 = 100%	0.15 mg/L	1995 SAR Basin Plan.
Knickerbocker Creek	Total Nitrogen	4/4 = 100%	0.15 mg/L	1995 SAR Basin Plan.
Metcalf Creek	Total Nitrogen	4/4 = 100%	0.15 mg/L	1995 SAR Basin Plan.
Grout Creek	Total Nitrogen	1/2 = 50%	0.15 mg/L	"
Rathbun Creek	Total Nitrogen	2/2 = 100%	0.15 mg/L	"

Boulder Creek 8-28

[illegible]