

# UMPQUA Research Company

626 NE Division St. - P.O. Box 609  
 Myrtle Creek, Oregon 97457  
 (541) 863-5201 Fax: (541) 863-6199  
 E-mail: Lab@URCmail.net  
 Internet: http://ChemLab.cc  
 ORELAP ID# OR100031

## ANALYSIS REPORT

URC # 5092314

Deschutes River Alliance	Project: General	Date Reported: 10/26/15
PO Box 440		Date Sampled: 09/22/15 08:40
Maupin, OR 97037	Project #: 2015 Lake Billy Chinook N	Date Received: 09/23/15 12:00
	Client Contact: Greg McMillan	Sampled By: Greg McMillan

Sample Location: Site #9/Crooked River @ Mouth  
 Surface Sample

URC Sample #: 5092314-01

Matrix: Aqueous

### Inorganics

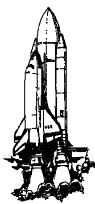
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0008	mg/L	0.0003		09/23/15 14:00	10/16/15	TDL	O-07
<b>EPA 300.0</b>									
Nitrate as N		0.45	mg/L	0.10		09/23/15 17:07	09/23/15	TDL	
Nitrite as N		ND	mg/L	0.01		09/23/15 17:07	09/23/15	TDL	
Nitrate/Nitrite as N		0.45	mg/L	0.10		09/23/15 17:07	09/23/15	TDL	
Phosphate, ortho as P		0.09	mg/L	0.03		09/23/15 17:07	09/23/15	TDL	
<b>SM 4500Norg B</b>									
Total Kjeldahl Nitrogen		0.304	mg/L	0.200		09/30/15	09/30/15	DJP	
<b>SM 4500P</b>									
Phosphorus-Total		0.089	mg/L	0.050		09/25/15	09/25/15	TDL	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document.

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Tom Williams, Laboratory Manager



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## ANALYSIS REPORT

URC # 5092314

Deschutes River Alliance  
 PO Box 440  
 Maupin, OR 97037

Project: General  
 Project #: 2015 Lake Billy Chinook N  
 Client Contact: Greg McMillan

Date Reported: 10/26/15  
 Date Sampled: 09/22/15 10:05  
 Date Received: 09/23/15 12:00  
 Sampled By: Greg McMillan

Sample Location: Site #7/Middle Deschutes R. @  
 Mouth Surface Sample

URC Sample #: 5092314-02

Matrix: Aqueous

### Inorganics

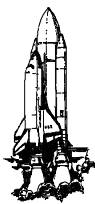
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0008	mg/L	0.0003		09/23/15 14:00	10/16/15	TDL	O-07
<b>EPA 300.0</b>									
Nitrate as N		0.24	mg/L	0.10		09/23/15 17:07	09/23/15	TDL	
Nitrite as N		ND	mg/L	0.01		09/23/15 17:07	09/23/15	TDL	
Nitrate/Nitrite as N		0.24	mg/L	0.10		09/23/15 17:07	09/23/15	TDL	
Phosphate, ortho as P		0.07	mg/L	0.03		09/23/15 17:07	09/23/15	TDL	
<b>SM 4500Norg B</b>									
Total Kjeldahl Nitrogen		0.280	mg/L	0.200		09/30/15	09/30/15	DJP	
<b>SM 4500P</b>									
Phosphorus-Total		0.082	mg/L	0.050		09/25/15	09/25/15	TDL	

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URC # 5092314

Deschutes River Alliance  
 PO Box 440  
 Maupin, OR 97037

Project: General  
 Project #: 2015 Lake Billy Chinook N  
 Client Contact: Greg McMillan

Date Reported: 10/26/15  
 Date Sampled: 09/22/15 11:30  
 Date Received: 09/23/15 12:00  
 Sampled By: McMillan

Sample Location: Site #5/Metolius River @ Mouth  
 Surface Sample

URC Sample #: 5092314-03

Matrix: Aqueous

### Inorganics

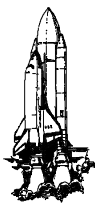
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		ND	mg/L	0.0003		09/23/15 14:00	10/16/15	TDL	O-07
<b>EPA 300.0</b>									
Nitrate as N		ND	mg/L	0.10		09/23/15 17:07	09/23/15	TDL	
Nitrite as N		ND	mg/L	0.01		09/23/15 17:07	09/23/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		09/23/15 17:07	09/23/15	TDL	
<b>Phosphate, ortho as P</b>		<b>0.08</b>	mg/L	0.03		09/23/15 17:07	09/23/15	TDL	
<b>SM 4500Norg B</b>									
<b>Total Kjeldahl Nitrogen</b>		<b>0.280</b>	mg/L	0.200		09/30/15	09/30/15	DJP	
<b>SM 4500P</b>									
<b>Phosphorus-Total</b>		<b>0.091</b>	mg/L	0.050		09/25/15	09/25/15	TDL	

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## ANALYSIS REPORT

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### Qualifiers and Definitions

O-07	Sample received outside recommended method hold time. Sample analyzed per client request.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the MRL (minimum reporting limit)
NA	Not Applicable
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MRL	Minimum Reporting Limit
MDL	Minimum Detection Limit
BML	Benchmark Level
(‡)	ORELAP Accredited Analyte
(~)	Due to rounding of individual analytes, the "total" may vary slightly from the sum of the individual analyte values.

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