

# Water Quality Report - 2024-11-18 15:45:26

Overall Status: **Critical**

Total Parameters	5
Total Alerts	4
Critical Alerts	2
Warning Alerts	2

## Measured Parameters

Parameter	Value	Unit
TDS (mg/L)	1500.00	mg/L
EC (µS/cm)	2200.00	µS/cm
pH	7.20	pH units

## Predicted Parameters

Parameter	Value	Unit	Reliability	Trend
Chloride (mg/L)	370.02	mg/L	0.84	→
Sodium (mg/L)	295.25	mg/L	0.90	→

## Alerts

CRITICAL: TDS (mg/L) Current: 1359.00 Threshold: 500.00 Exceedance: 171.8%

CRITICAL: EC (µS/cm) Current: 2415.68 Threshold: 750.00 Exceedance: 222.1%

WARNING: Chloride (mg/L) Current: 370.02 Threshold: 250.00 Exceedance: 48.0%

WARNING: Sodium (mg/L) Current: 295.25 Threshold: 200.00 Exceedance: 47.6%

## Recommendations

High Priority - Action: Critical level exceeded for TDS (mg/L) Action: Check water source and filtration system. Consider reverse osmosis treatment.

High Priority - Action: Critical level exceeded for EC (µS/cm) Action: Investigate source of dissolved solids. Check for industrial runoff.

Medium Priority - Monitor: Warning level exceeded for Chloride (mg/L) Action: Increase monitoring frequency and check for trends.

Medium Priority - Monitor: Warning level exceeded for Sodium (mg/L) Action: Increase monitoring frequency and check for trends.