Evaluation and Monitoring of Glen Helen Water Quality Fall 2014

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Chemical/Biological Inputs to Glen Helen
- Water pollution Treatment Plants (WWTP): Caledonia Traceable Sewage (OSU Method 205)
- Nitrate and Phosphorus: F. coli,elia, and household chemicals
- Metals: F. coli, pesticides, oil, detergents, phosphate
- Overflush of the wetland: *“nitrate release
- Nitrate and Phosphorus: *F. coli,ela and household chemicals, alkylglyosphate
- Mass Peak Overflush from Arkansas River & Co (OSU Method 205:10)

Anions Measured: (EPA Method 200.7)
- Anion Results;
- Analytes measured: fluoride, chloride, nitrite, bromide, nitrate, phosphate, sulfate
- Other Water Parameters Measured:
- Dissolved oxygen, pH, specific conductance, temperature, and ammonia were measured with a YSI Multimeter. Turbidity was measured using a transparency tube and E. coli enumerated using 3M Petri plates.
- Concentration: 10 ppm as nitrate-nitrogen
- Concentration: 43 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 100 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 44 ppm, or 10 ppm for nitrate-nitrogen
- Concentration: 50 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 60 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 70 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 80 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 90 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 100 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 110 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 120 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 130 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 140 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 150 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 160 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 170 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 180 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 190 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 200 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 210 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 220 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 230 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 240 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 250 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 260 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 270 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 280 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 290 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 300 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 310 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 320 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 330 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 340 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 350 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 360 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 370 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 380 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 390 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 400 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 410 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 420 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.
- Concentration: 430 ppm (parts-per-million) nitrate or 10 ppm as nitrate-nitrogen.