

## GEI Consultants Golden Algae Screen

Prepared: March 27, 2026

Prepared By: GreenWater Laboratories/Andrew Chapman

<u>Sample ID</u>	<u>Site</u>	<u>Collected</u>
CL10-GA	Canyon Lake	25 March 2026
CL09-GA	Canyon Lake	25 March 2026
CL09-GA-4m	Canyon Lake	25 March 2026
CL08-GA	Canyon Lake	25 March 2026
CL07-GA	Canyon Lake	25 March 2026

### Method

One mL aliquots of live samples were transferred to Utermöhl Counting Chambers. Samples were scanned for the presence of Golden Algae (*Prymnidium parvum*) using a Nikon Eclipse Ti-2 Inverted Microscope equipped with phase contrast optics and epifluorescence. Additional one mL aliquots were lightly preserved with Lugol's Iodine solution, allowed to settle and 50 to 100 random fields were counted at 600X or 200X to estimate *P. parvum* densities.

### CL10-GA

Estimated cell density of *Prymnidium parvum* (Fig. 1) was 10,053 cells/mL.

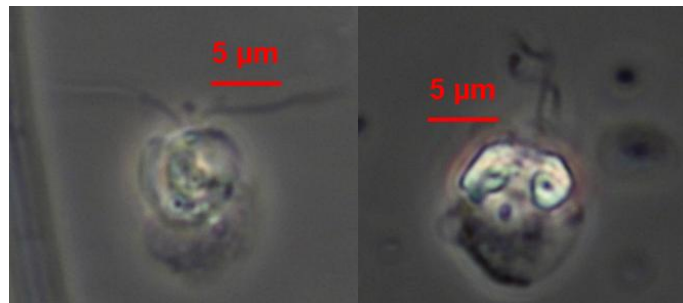


Fig. 1 *Prymnidium parvum* 600X Live (l), Lugol's Preserved (r)

### CL09-GA

Estimated cell density of *Prymnidium parvum* (Fig. 2) was 7,037 cells/mL.

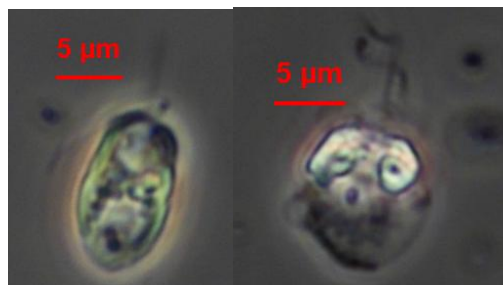


Fig. 2 *Prymnidium parvum* 600X Live (l), Lugol's Preserved (r)

## CL09-GA-4m

Estimated cell density of *Prymnesium parvum* (Fig. 3) was 7,037 cells/mL.

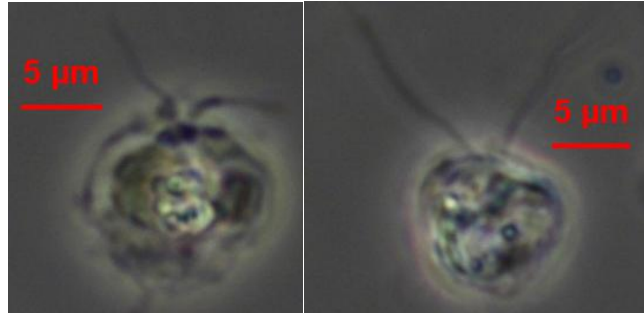


Fig. 3 *Prymnesium parvum* 600X Live (l), Lugol's Preserved (r)

## CL08-GA

No *Prymnesium parvum* was observed.

## CL07-GA

No *Prymnesium parvum* was observed.

Submitted by:

*Andrew D. Chapman*

Andrew D. Chapman

Date:

March 27, 2026

*The results in this report relate only to the samples listed above.*

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