

GEI Consultants Golden Algae Screen

Prepared: February 27, 2026

Prepared By: GreenWater Laboratories/Andrew Chapman

<u>Sample ID</u>	<u>Site</u>	<u>Collected</u>
CL 10-GA	Canyon Lake	24 February 2026
CL 09-GA	Canyon Lake	24 February 2026
CL 08-GA	Canyon Lake	24 February 2026
CL 07-GA	Canyon Lake	24 February 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.

CL 10-GA

Estimated cell density of *Prymnidium parvum* (Fig. 1) was 12,064 cells/mL.

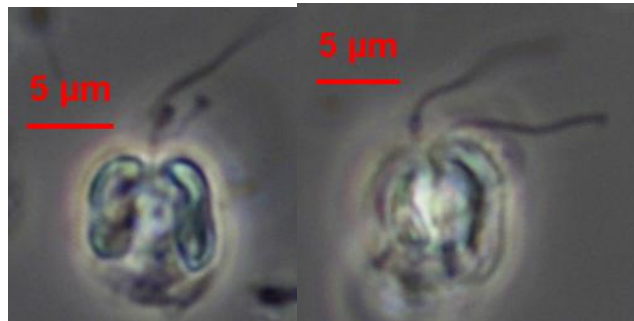


Fig. 1 *Prymnidium parvum* 600X Live (l), Lugol's Preserved (r)

CL 9-GA

Estimated cell density of *Prymnidium parvum* (Fig. 2) was 19,436 cells/mL.

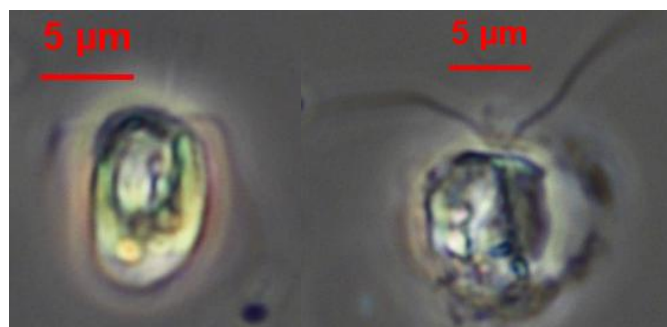


Fig. 2 *Prymnidium parvum* 600X Live (l), Lugol's Preserved (r)

CL 08-GA

Estimated cell density of *Prymnesium parvum* (Fig. 3) was 50 cells/mL.

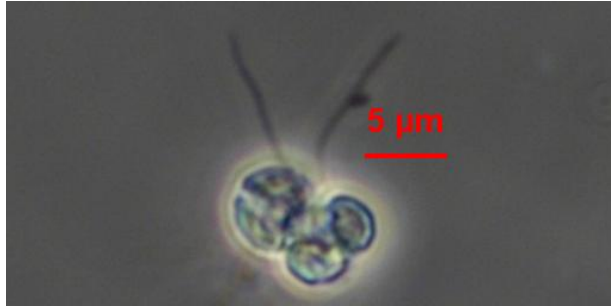


Fig. 3 *Prymnesium parvum* 600X Lugol's Preserved

CL 07-GA

No *Prymnesium parvum* was observed.

Submitted by:

Andrew D. Chapman

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