

GEI Consultants Golden Algae Screen

Prepared: December 8, 2025

Prepared By: GreenWater Laboratories/Andrew Chapman

<u>Sample ID</u>	<u>Site</u>	<u>Collected</u>
CL 10-GA	Canyon Lake	5 December 2025
CL 09-GA	Canyon Lake	5 December 2025
CL 08-GA	Canyon Lake	5 December 2025
CL 07-GA	Canyon Lake	5 December 2025

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 random fields were counted at 600X to estimate *P. parvum* densities.

CL 10-GA

Estimated cell density of *Prymnidium parvum* (Fig. 1) was 6,032 cells/mL.

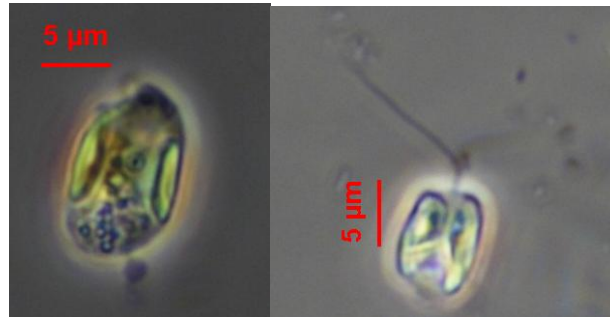


Fig. 1 *Prymnidium parvum* 600X Live (l), Lugol's Preserved (r)

CL 9-GA

Estimated cell density of *Prymnidium parvum* (Fig. 2) was 3,016 cells/mL.

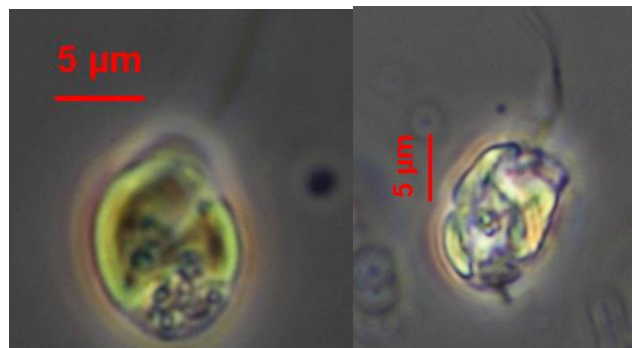


Fig. 2 *Prymnidium parvum* 600X Lugol's Preserved

CL 08-GA

No viable *Prymnesium parvum* was observed.

CL 07-GA

No viable *Prymnesium parvum* was observed.

Submitted by:



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Andrew D. Chapman

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

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