

GEI Consultants Golden Algae Screen

Prepared: November 13, 2025

Prepared By: GreenWater Laboratories/Andrew Chapman

<u>Sample ID</u>	<u>Site</u>	<u>Collected</u>
CL-10 7 day surf	Canyon Lake	11 November 2025
CL-10 7 day bottom	Canyon Lake	11 November 2025
Holiday Harbor 7 day surf	Canyon Lake	11 November 2025
Holiday Harbor 7 day 4m	Canyon Lake	11 November 2025

Method

One mL aliquots of live samples were transferred to Utermöhl Counting Chambers. Samples were scanned for the presence of Golden Algae (*Prymnesium 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 7 day surf

Estimated cell density of *Prymnesium parvum* (Fig. 1) was 335 cells/mL.

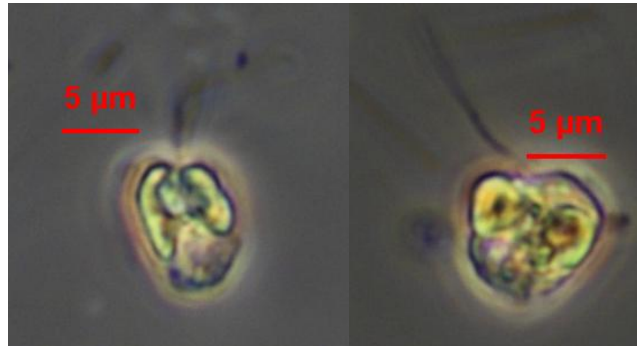


Fig. 1 *Prymnesium parvum* 600X Live (l), Lugol's Preserved (r)

CL-10 7 day bottom

No viable *Prymnesium parvum* (Fig. 2) was observed.

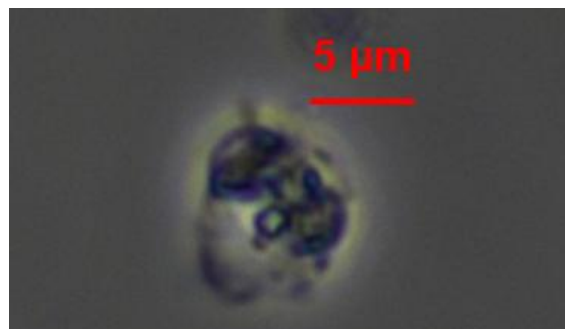


Fig. 2 *Prymnesium parvum* 600X Lugol's Preserved

Holiday Harbor 7 day surf

No viable *Prymnesium parvum* (Fig. 3) was observed.

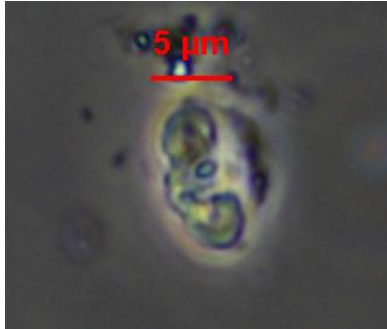


Fig. 3 *Prymnesium parvum* 600X Lugol's Preserved

Holiday Harbor 7 day 4m

No viable *Prymnesium parvum* (Fig. 4) was observed.

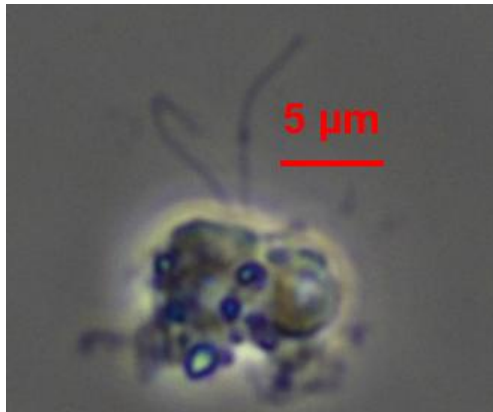


Fig. 4 *Prymnesium parvum* 600X Live

Submitted by:

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