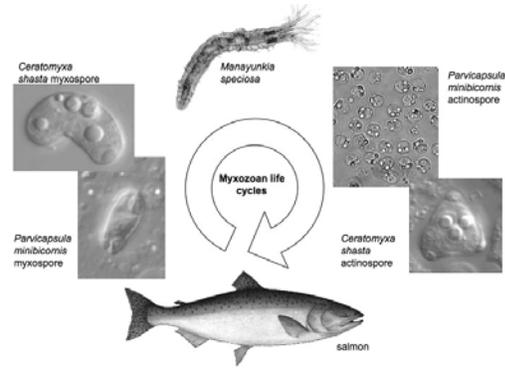


## SUMMARY: ADULT SAMPLING

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## ADULT SAMPLING RESULTS:

Samples from adult salmon spawning at Iron Gate and Trinity River Hatcheries were collected by CDFG personnel. Some of these fish have also been examined histologically by Scott Foott, USFWS. Below is the PCR data for these fish showing percent infection for *Parvicapsula minibicornis* and *Ceratomyxa shasta* as determined by PCR assay.

In general, infection prevalence was high for with the exception of low *C. shasta* infection in Iron Gate coho salmon and Trinity River Fall Chinook salmon sampled in 2005-06. However, subsequent sampling the following year detected high infection prevalence in these stocks. These discrepancies may be a result of the limited numbers of fish sampled (3 coho; 19 Chinook salmon), or a reflection of differences in infection during the run. We have no data on how long these fish were in the river and exposed to these parasites.

Note that this data does not reflect severity or stage of infection.

Prevalence of infection by *Ceratomyxa shasta* and *Parvicapsula minibicornis* in adult salmonids returning to Iron Gate and Trinity River Hatcheries.

Year	Hatchery	Species	No. Sampled	% Positive for <i>P. minibicornis</i>	% Positive for <i>C. shasta</i>
2005-06	Iron Gate	Fall Chinook	20	100	70
		Coho salmon	3	100	33
		Steelhead	10	100	50
	Trinity	Fall Chinook	19	100	0
		Coho salmon	19	47	100
		Steelhead	20	95	85
2006-07	Iron Gate	Fall Chinook	20	100	85
		Coho salmon	20	55	95
	Trinity	Fall Chinook	20	100	90
		Spring Chinook	19	100	75
		Coho salmon	20	80	90
		Steelhead	20	90	-