

	Reference station		Thermoelectric Impact Station	
Temperature (°C)	Observed	Model	Observed	Model
Mean $\pm$ sem*	28.36 $\pm$ 0.02.	28.2 $\pm$ 0.3	29.59 $\pm$ 0.02	29.6 $\pm$ 0.4
Maximum	33.86 $\pm$ 0.02	35.07	34.78 $\pm$ 0.02	36.92
Minimum	21.48 $\pm$ 0.02	21.99	22.85 $\pm$ 0.02	22.35

* Standard error of the mean, with n = 14399 for the observed and n = 365 for the model.

Group	Indicator species	Water temperature observed (°C)	Upper Temperature limit for growth (°C)	Reference
Animals				
Fish and other aquatic vertebrates			38	Brock (1978)
Invertebrates			35 - 40	Wither et al., (2012)
Mollusca	<i>Mugil curema</i> <i>Mytilopsis adamsi</i>	27.0 ± 3.0 22 - 31		Fájer-Ávila (2006) Salgado-Barragán y Toledano-Granados (2006)
Insects			45 - 50	Brock (1978)
Annelida Polichaeta	<i>Aracia sinaloae sp. n.</i> <i>Mediomastus ambiseta</i> <i>Prionospio steenstrupi</i> <i>Cautleriella pacifica</i> <i>Nereis procera</i> <i>Scoletoma luti</i>	25.8 - 30.8 26.0 ± 5.0* 26.4 ± 4.8*		Tovar-Hernández (2014) Ferrando and Méndez (2011)
Ostracods (crustaceans)			49 - 50	Brock (1978)
Other crustaceans				
Isopoda	<i>Paradella diana</i> <i>Uromuna sp.</i>	24 - 33 21 - 32		García-Guerrero & Hendrickx (2004) García-Guerrero & Hendrickx (2004)
Protozoa			50	Brock (1978)
Plants				
Vascular plants			45	Brock (1978)
Mosses			50	Brock (1978)
Eucaryotic algae	<i>Ulva lactuca</i> <i>Ulva lactuca</i> <i>Glacilariaopsis sjoestedtii</i> <i>Polysiphonia pacifica</i>	30.6 ± 0.3 <29.9 and 30.8 31.7 ± 1.4 31.7 ± 1.4	56	Brock (1978) Piñon-Gimate et al. (2008)
Fungi			60	Ochoa Izaguirre (2002)
Procariotic microorganisms			70 - 73	Brock (1978)
Blue-green algae			70 - 73	Brock (1978)
Photosynthetic bacteria	<i>Microcoleus lingbacea</i>	29.9 and 30.8	>99	Ochoa-Izaguirre (1999) Brock (1978)

*sediment temperature











