

Supplemental Table S1. Sampling locations for *Tigriopus californicus* in southern and central California.

Region	Site	Location	Collection date	Distance (km) ¹	Description/notes ²
West Vancouver	BC	N49°20'17.2" W123°15'0.7"	7/06	172.9	Edge of extensive rocky habitat, scattered pools
Vancouver Island	VI	N48°56'0.7" W125°32'28.6"	7/06	1199	Extensive rocky habitat nearby, several dense pools
Bodega Head	BSB	N38°18'18.4" W123°03'55.5"	9/04	2.46	Extensive, nearly continuous rocky habitat, many pools
	BHAR	N38°18'16.4" W123°03'22.2"	9/04	129.1	Limited rock shelf in harbor, with few pools
Pescadero	PES	N37°15'34.9" W122°24'50.8"	9/04	46.97	Site sampled on numerous previous occasions
Santa Cruz	NB1	N36°56'57.5" W122°03'40.7"	9/04	0.184	Numerous pools in large outcrop
	NB2	N36°57'00.2" W122°03'34.5"	9/04	0.641	Numerous pools in large outcrop, 20m beach between NB1 and NB2, copepods sampled on other occasions
	BH	N36°56'57.1" W122°03'14.5"	9/04	0.877	One isolated pool with copepods on high shelf
	SCN	N36°56'58.3" W122°02'49.1"	2002, 9/04	0.205	Numerous pools in large outcrop, copepod pools present at all of many previous visits
	SC2	N36°56'59.5" W122°02'43.4"	9/04	0.129	Moderate numbers pools in medium-sized outcrop, small sandy stretch separates from SCN
	SC3	N36°57'01.5" W122°02'39.8"	9/04	0.185	Moderate numbers pools in medium-sized outcrop
	SC4	N36°57'04.5" W122°02'34.3"	9/04	0.576	Scattered pools in medium-sized rocky ledge
	SC5	N36°57'10.3" W122°02'16.3"	9/04	1.18	Few pools in small-sized outcrop
	LH	N36°57'03.8"	9/04	5.30	Moderate number of pools, high shelf above ocean,

¹ This is the distance between the site and the one below it and is the straight-line distance between sites in different regions or the coastal distance between sites within a region.

² Description notes the abundance of pools containing copepods on the sampled date (and in some cases previous observations) and may not reflect long-term available copepod habitat.

	CCR1	W122°01'36.8" N36°57'34.6" W121°59'24.4"	9/04	0.427	observed absence of copepods from 9/79-6/80 ³ Few pools in high rocky ledge
	CCR2	N36°57'36.7" W121°59'19.1"	9/04	171.3	Few pools in high rocky ledge, 50m of beach separates from CCR1
San Simeon	SS	N35°34'53.9" W121°07'16.2"	9/04	275.3	Extensive but discontinuous rocky habitat
Point Dume	Dume	N34°00'01.0" W118°48'24.3"	9/04	43.30	Note: may not be same as PD site previously sampled from this region
Palos Verde	FR1	N33°47'49.6" W118°24'29.8"	9/04	0.333	Moderate numbers pools in medium-sized outcrop, copepods sampled on numerous occasions
	FR2	N33°47'41.8" W118°24'27.8"	9/04	4.74	Few pools in small-sized outcrop, boulders to FR1
	RsPt	N33°45'58.8" W118°25'28.3"	9/04	4.08	Small number of inhabited pools in medium-sized outcrop
	PVL	N33°44'28.8" W118°24'27.2"	9/04	3.45	Small pools in large boulders, limited habitat in area
	ABR	N33°44'26.6" W118°22'39.5"	9/04	0.672	Small pools in one large boulder, no other habitat until AB currently available
	AB	N33°44'15.9" W118°22'31.0"	2002	0.032	Few pools in small outcrop, separated from AB2 by narrow surge channel, copepods sampled on numerous occasions
	AB2	N33°44'14.9" W118°22'30.6"	2002, 9/04	0.146	Numerous pools in large outcrop
	AB3	N33°44'12.9" W118°22'25.9"	9/04	0.697	Numerous pools in large outcrop, separated from AB2 by narrow surge channel
	IP	N33°44'10.6" W118°22'10.5"	9/04	6.11	Numerous pools in large outcrop, beach separates from AB3
	RP2	N33°42'56.5" W118°19'12.0"	9/04	0.338	Flat rocky outcrop with moderate pool numbers, copepods sampled on numerous occasions
	RP1	N33°42'50.1" W118°19'03.2"	9/04	33.58/ 51.73 ⁴	Medium-sized outcrop outcrop with moderate pool numbers

³ Burton and Feldman, 1981

⁴ Distance from RP1 to CAT/LagBch

Catalina Island	CAT	N33°26.8' W118°28.6'	6/06	64.58/ 68.47 ⁵	
Laguna Beach	LagBch	N33°32'41.4" W117°47'58.4"	9/04	90.48	Note: samples from S. Crescent Bay and not previously sampled LB site from this region
La Jolla	SIO	N32°52'15.5" W117°15'11.4"	11/02	3.62	Scattered pools in boulders, limited numbers of pools, extensive beach to LJP1
	LJP1	N32°51'04.5" W117°16'24.3"	11/02, 9/04	0.326	Large outcrop with a moderate number of pools, copepods sampled on several previous occasions
	LJP2	N32°50'58.2" W117°16'33.0"	9/04	0.588	Small outcrop with small number of pools, rocks and beach to LJP1
	LJP3	N32°50'46.3" W117°16'44.2"	9/04	0.435	Moderate-sized outcrop with limited numbers of inhabited pools, beach separates from LJP2 and LJS
	LJS	N32°50'36.1" W117°16'50.9"	11/02	1.30	Numerous pools in large, flat, expansive outcrop
	NAUT	N32°49'56.9" W117°16'55.6"	9/04	2.63	Moderate-sized outcrop with limited numbers of inhabited pools
	BR	N32°48'54.0" W117°16'23.1"	11/02	7.89	Isolated large rock platform outcrop
Point Loma	SD	N32°44'44.4" W117°15'18.0"	2002	1.41	Large outcrop with a large number of pools, copepod pools present at all of many previous visits
	SCL	N32°43'59.0" W117°15'25.3"	9/04	1.48	Moderated-sized ledge with a few large pools
	LS	N32°43'11.2" W117°15'25.1"	11/02		Small outcrop with shallow pools in boulders

⁵ Distance from CAT to LagBch/Dume