

SBC-LTER Reef Group Bottom Temperature Loggers

The Santa Barbara Coastal-LTER deploys two continuous temperature loggers (Onset Computer Corporation: 32K StowAway TidbiT (-5°C to +37°C). See full product description:

http://www.onsetcomp.com/Products/Product_Pages/temperature_pages/S.tidbit.html) at the 9 reef sampling sites in the Santa Barbara Channel. The loggers are attached to the permanent bolts used to mark transects for the annual kelp forest community dynamics surveys. Individual site bottom characteristics vary, but a depth of 7.0 m is targeted for logger deployment.

Two temperature loggers are deployed at each site. Each logger samples the ambient water temperature at ten-minute intervals. The paired loggers are offset by five minutes so that temperature data is recorded at the site every five minutes.

Loggers are retrieved and replaced bi-annually, typically in the late summer (August-September) and spring (March-April).

SITE	SITE_CODE	TRANSECT	BOLT	Depth (m)
Arroyo Burro	ABUR	1	0	7.37
Arroyo Burro	ABUR	1	8	7.17
Arroyo Hondo	AHND	2	0	6.54
Arroyo Hondo	AHND	2	8	6.44
Arroyo Quemado	AQUE	1	0	5.47
Arroyo Quemado	AQUE	1	8	5.67
Bulito	BULL	3	0	~6
Bulito	BULL	3	8	~6
Carpinteria	CARP	3	0	6.22
Carpinteria	CARP	3	8	6.22
Goleta Bay	GOLB	1	0	4.95
Goleta Bay	GOLB	1	8	4.65
Isla Vista	IVEE	1	0	8.15
Isla Vista	IVEE	1	8	8.15
Mohawk	MOHK	1	8	4.54
Mohawk	MOHK	1	24	5.14
Naples	NAPL	2	0	7.56
Naples	NAPL	2	8	7.56