

## Nearshore Larval Transport: Spring-Summer 2014 Sampling Report

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All nearshore research was conducted on a 7m Parker with a davit (University of San Diego, R/V Gaia).

Instrument deployment logs (physical data collections):

### 8-m subsurface mooring deployment

Date Deployed: 2 October 2014

Time Deployed: 9 AM PST

Date/Time retrieved: 2 January 2015 (retrieved 3<sup>rd</sup>) 10:30 am PST

Deployment location 32° 48' 36.9'' / 117° 16' 40.5''

Water depth: Diving depth gauge, 28 ft; Top logger at 9 ft.

Instrument	Serial #	Turned on (GMT)	Sample rate	Depth (after loggers on)	Comments
SBE 56 T	3843	1 Oct 14, 12:00:00	5 s	6.45 mab	
SBE 39 T&P	6783	“	60 s	5.45 mab	
SBE 56 T	3842	“	5 s	4.7 mab	
SBE 56 T	3841	“	5 s	3.6 mab	
SBE 56 T	3840	“	5 s	2.4 mab	
SBE 56 T	3839	“	5 s	1.2 mab	

### 8-m surface mooring deployment

Date Deployed: 2 October 2014

Time Deployed: 8:45 PST

Date/Time retrieved: 2 January 2015 (retrieved 2<sup>nd</sup>) 10:12 am PST

Deployment location: 32° 48' 35.8'' / 117° 16' 40.8''

Water depth: 9 m CASTAWAY. Diving depth gauge 29 ft

Instrument	Serial #	Turned on (GMT)	Depth (below surface)	Sample rate	Comments
SBE 56	3846	1 Oct 14, 12:00:00	65 cm	5 sec	Depth of logger based on diving depth gauge
SBE 56	3845	1 Oct 14, 12:00:00	185 cm	5 sec	Deployed on October 9, 2014 at 14:30 PST)

### 8-m tripod deployment

Date Deployed: 2 October 2014

Time Deployed: 9:30 PST

Date/Time retrieved: 2 January 2015 (retrieved 4<sup>th</sup>) 10:52 am PST

Deployment location: 32° 48'37.4" /117° 16'40.1"

Water depth: 8.9 m (Castaway depth). Dive depth gauge: 27 feet

Instrument	Serial #	Turned on (GMT)	Height Measured	Sample rate	Comments
RDI ADCP		2 Oct 14, 12:00:00	0.52 mab	2 sec sample interval	100 days duration, 22 number of depth cells 0.4 depth cell size
Seagauge P	361	30 Sept 14, 03:00:00	0.64 mab	10 min	Wave-burst every 3 hrs 1024 samples at 0.25 s
SBE 56 T	3838	1 Oct 14, 12:00:00	0.3 mab	5 s	

### 4-m trawl frame deployment

Date Deployed: 2 October 2014

Time Deployed: 10:25 AM PST

Date/Time retrieved: 2 January 2015 (retrieved 1st ) 9:35 am PST

Deployment location: 32° 48' 37.4" / 117° 16' 21.8"

Water depth: 5:48 m (CASTAWAY)

**\*\*new GPS coordinates 32° 48.631/117° 16.347**

Instrument	Serial #	Turned on (GMT)	height	Sample rate	Comments
Aquadopp	5329	01 Oct 14, 12:00:00	36 cmab	90 sec	10 of 0.5 m bins
Seagauge P	360	29 Sept 14, 18:00:00	41 cmab	10 min	Wave bursts – 1024 samples at 4 Hz and 4 samples a second every three hours.
SBE 56 T	3835	1 Oct 14, 12:00:00	2 cmab	5 s	
SBE 56 T	3836	1 Oct 14, 12:00:00	<b>1 mab**</b>	5 s	<b>**Final height of temp logger given bent metal was 82cm</b>

**2-m site deployment**

Date Deployed: October 8, 2014 Time Deployed: 15:30 PST  
 Date/Time retrieved: 4 January, 2015 15:18 PST  
 Deployment location: 32.8101716 N; -117.2702331  
 Water depth: ~2m (castaway recorded depth as 1.16m at 15:35 PST)

**1-m site deployment**

Previous deployment location: 32.8097763 N 117.2700516W  
 Date Deployed: October 8, 2014 Time Deployed: 15:15 PST  
 Date/Time retrieved: 4 January, 2015 15:12 PST (was exposed at retrieval)  
 Deployment location: 32.8097849 N, -117.2700085 W (from castaway)  
 Water depth: ~1m

Instrument	Serial #	Turned on (GMT)	height	Sample rate	Comments
SBE 39 T&P	6783	1 Oct 14, 12:00:00	~2m	60 s	hose-clamped to 10lbs of lead, plus an additional 40lbs of flat weight
SBE 56 T	3834	1 Oct 14, 12:00:00	~1m	5 s	hose-clamped to 10lbs of lead, plus an additional 40lbs of flat weight

**Intertidal sites deployment**

Date Deployed: 5 October, 2014  
 Date/Time retrieved:  
 Time Deployed: intertidal 1 @ 13:48 PST; intertidal 2 @ 13:52 PST

Instrument	Serial #	Turned on (GMT)	height	Sample rate	lat	lon	waypt	Water depth
SBE 56 T	3819	1 Oct 14, 12:00:00		5 s				Bottom under rock #2
SBE 56 T	3828	1 Oct 14, 12:00:00		5 s				Bottom under rock # 11

**Settlement plates**

Date Deployed: 5 October, 2014 (first retrieval on 6 October)  
[Final retrieval on 2 January, 2015 for daily series; will now retrieve each week](#)

**Larval traps**

Date Deployed: 8 October, 2014 (first retrieval on 9 October; had removed bungees during break and holes for bungees on trap bases had been filled with sediment; needed a very low tide to access them and find the holes).  
[Final retrieval on 2 January, 2015](#)