

## Nearshore Larval Transport: Fall 2015 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).

### 8-m subsurface mooring deployment

Date Deployed: 12 September 2015

Time Deployed: 7:35am (local time)

Date Retrieved: 16 December 2015

Time Retrieved: 8:35 am (local time)

Deployment location: 32° 48' 37.1'' / 117° 16' 40.3'' on boat GPS /

Retrieval location: moved southeast ~ 10 m

Water depth: 29' from diver depth gauge

Instrument	Serial #	Turned on (GMT)	Sample rate	height	Comments
SBE 56 T	3843	12:00:00 8 Sept	5 s	6.3 mab	
SBE 39 T&P	6784	12:00:00 9 Sept	60 s	5.3 mab	
SBE 56 T	3842	12:00:00 8 Sept	5 s	4.7 mab	
SBE 56 T	3841	12:00:00 8 Sept	5 s	3.6 mab	
SBE 56 T	3840	12:00:00 8 Sept	5 s	2.4 mab	
SBE 56 T	3839	12:00:00 8 Sept	5 s	1.2 mab	

### 8-m tripod deployment

Date Deployed: 12 September 2015

Time Deployed: 7:45 am (local time)

Date Retrieved: 16 December 2015

Time Retrieved: 9:40 am (local time)

Deployment location: 32° 48' 38.2'' / 117° 16' 40.2'' on boat GPS

Retrieval location: moved: 32° 48.637' / 117° 16.658 on hand-held GPS

Water depth: 28' based on diver gauge

Instrument	Serial #	Turned on (GMT)	Height Measured	Sample rate	Comments
RDI ADCP	#81	12:00:00 11 Sept	0.54 mab	2 sec sample interval	100 days duration, 22 number of depth cells 0.4 depth cell size
Seagauge P	361	15:00:00 9 Sept	0.64 mab	10 min	Wave-burst every 3 hrs 1024 samples at 0.25 s
SBE 56 T	3838	12:00:00 8 Sept	0.3 mab	5 s	

**8-m Surface mooring**

Date Deployed: 21 April 2015

Time Deployed: 8:28 am (local time)

Date Retrieved: 31 May 2015 (failed surface logger; swapped out box)

Time Retrieved: 10:30 am (local time)

Date Deployed: 2 June 2015 at ?? (local time)

Date Retrieved: December 16, 2015

Time Retrieved: ~2pm? (local time)

Deployment location: 32° 48'35.6" /117° 16' 40.6"

Water depth: 29' based on diver depth gauge;

Instrument	Serial #	Turned on (GMT)	height	Sample rate	Comments
SBE 56 T	3846	19 April 12:00:00	31 cmab	5 s	

**6-m tripod deployment**

Date Deployed: 18 September 2015

Time Deployed: 10:02 am (local time)

Date Retrieved: 16 December 2015

Time Retrieved: 11:35 am (local time)

Deployment and retrieval location: 32° 48.601" /117° 16.446

Water depth: 7 m on diver gauge

Instrument	Serial #	Turned on (GMT)	Height Measured	Sample rate	Comments
RDI ADCP	829	12:00:00 12 Sept	mab	2 sec sample interval	100 days duration, 22 number of depth cells 0.4 depth cell size

**5 -m mooring deployment**

Date Deployed: 12 September 2015

Time Deployed: 9:15 (local time)

Date Retrieved: 16 December 2015

Time Retrieved: 10:45 am (local time)

Deployment and retrieval location: 32° 48'37.7" /117° 16' 22.6"

Water depth: 5.8 m Castaway

Instrument	Serial #	Turned on (GMT)	Sample rate	height	Comments
SBE56	3845	12:00:00 8 Sept	5 s	0.4meters from surface	
SBE56	3836	12:00:00 8 Sept	5 s	2m from surface	

### 5-m trawl frame deployment

Date Deployed: 18 September 2015

Time Deployed: 10:54 am (local time)

Date Retrieved: 16 December 2015

Time Retrieved: 10:50 am (local time)

Deployment location: 32° 48.625 / 117° 16.379 on handheld GPS

Retrieval location: no GPS but east of 5m surface buoy ~ 10m;

Water depth: 6m

Instrument	Serial #	Turned on (GMT)	height	Sample rate	Comments
Aquadopp	5329	12:00:00 11 Sept	36 cmab	90 sec	10 of 0.5 m bins
SBE 56 T	3835	12:00:00 8 Sept	31 cmab	5 s	
Seagauge P	360	6:00:00 9 Sept	22 cmab	10 min	Wave-burst every 3 hrs 1024 samples at 0.25 s

### Intertidal

#### 2-m site deployment

Date Deployed: 27 October 2015 Time Deployed: 15:20 (local time)

Date Retrieved: 23 January 2016 Time Retrieved: 15:34 (approximate local time)

Deployment location: off south side of point- did not get castaway reading

Previous location: 32.8102, -117.2702 from Castaway GPS

Water depth: ~2m

#### 1-m site deployment

Date Deployed: 27 October 2015 Time Deployed: 15:05 (local time)

Date Retrieved: 23 January 2016 Time Retrieved: 15:33 (approximate local time)

Deployment location: same as before

Previous location: 32.8098, -117.2701 from Castaway GPS

Water depth: ~1m

Instrument	Serial #	Turned on (GMT)	height	Sample rate	Comments
SBE 39 T&P	6783**	12:00:00 8 Sept	~2m	60 s	clamped to 40lb weight
SBE 56 T	3833	12:00:00 8 Sept	~1m	5 s	clamped to 40lb weight

**Intertidal sites deployment**

Date Deployed: 12 September 2015 Time Deployed: ~3:00 am (local time)

Date Retrieved: 23 January 2016

Time Retrieved:

15:31 (S#: 3819) (approximate local time)

15:32 (S#: 3828) (approximate local time)

Instrument	Serial #	Turned on (GMT)	height	Sample rate	lat	lon	waypt	Water depth
SBE 56 T	3819	12:00:00 8 Sept		5 s				Bottom under rock #2
SBE 56 T	3828	12:00:00 8 Sept		5 s				Bottom under rock # 11

**Settlement plates**

Started on 9-18-2015 daily, but some gaps due to poor tides...

End 12-15-2015, and started weekly sampling

**Larval traps**

Dates Deployed: 9/22/15-12/9/15 (some gaps with poor tides)