

Global monitoring data shows grain size controls turbidity current structure

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Tables S2

Additional Supporting Information

Captions for Tables S2

Systems	Date	Flows	ADCP	Sampling rate	Vertical Bin size	Background velocity	Moorings coordinate (longitude latitude)	-
Squamish Delta	15-Jun-16	Flow 1	600KHz	Every second	3.6 0.5 m	0.35 (m/s)		
Bute Inlet Mooring 3	10-Jun-16	Flow 1	600KHz	10-seconds samples	1 m	0.22 (m/s)	-124.914; 50.76245	
	11-Jul-16	Flow 2				0.17 (m/s)	-124.918; 50.76194	
	11-Jul-16	Flow 3				0.21 (m/s)	-124.911; 50.76307	
Monterey Canyon Mooring 1	1-Dec-15	Flow 1	300KHz	30-seconds samples	2 m	0.27 (m/s)	-121.845; 36.79328	
	7-Jan-16	Flow 3				0.43 (m/s)		
	1-Sep-16	Flow 8				0.39 (m/s)		
	24-Nov-16	Flow 9				0.38 (m/s)		
	9-Jan-17	Flow 10				0.49 (m/s)		
	20-Jan-17	Flow 11				0.39 (m/s)		
	21-Jan-17	Flow 12				0.57 (m/s)		
	23-Jan-17	Flow 14				0.36 (m/s)		
	3-Feb-17	Flow 15				0.65 (m/s)		
	18-Feb-17	Flow 16				0.54 (m/s)		
Mooring 2	24-Nov-16	Flow 9				0.46 (m/s)	-121.903; 36.78827	
	9-Jan-17	Flow 10				0.44 (m/s)		
	3-Feb-17	Flow 15				0.55 (m/s)		
	18-Feb-17	Flow 16				0.53 (m/s)		
Mooring 3 (This study)	16-Jan-16	Flow 4				0.48 (m/s)	-121.97; 36.76497	
	1-Sep-16	Flow 8				0.48 (m/s)		
	9-Jan-17	Flow 10				0.44 (m/s)		
	3-Feb-17	Flow 15				0.53 (m/s)		
	18-Feb-17	Flow 16				0.44 (m/s)		
Mooring 4	16-Jan-16	Flow 4				0.41 (m/s)	-122.016; 36.7358	
Mooring 5	16-Jan-16	Flow 4				0.45 (m/s)	-122.013; 36.71496	
	1-Sep-16	Flow 8				0.51 (m/s)		
Mooring 7	16-Jan-16	Flow 4				0.38 (m/s)	-122.098; 36.70162	
Congo Canyon	4-Dec-09	Flow 1	300KHz	5-seconds samples	2 m	0.34 (m/s)	-5.8666; 11.209	
	23-Dec-09	Flow 2				0.34 (m/s)		
	26-Dec-09	Flow 3				0.32 (m/s)		
	9-Jan-10	Flow 4				0.33 (m/s)		
	16-Jan-10	Flow 5				0.33 (m/s)		
	26-Jan-10	Flow 6				0.34 (m/s)		
	8-Feb-10	Flow 7				0.31 (m/s)		

	10-Feb-10	Flow 8					0.32 (m/s)	
	26-Feb-10	Flow 9					0.34 (m/s)	
	10-Mar-10	Flow 10					0.35 (m/s)	
Hueneme Canyon	5-Dec-07	Flow 1	300KHz	30 second pings every 5 minutes	one- 2 m		0.0005 (m/s)	-119. 226; 34.131
Var Canyon	5-Feb-09	Flow 1	300KHz	1 current vertical profile every 30 minutes bins at 10 elevation	3 m		0.07 (m/s) 0.09 (m/s)	7.24; 43.57
Cenderawasih Bay	10-Sep-12	Flow 1	300KHz	600 pings spaced every 2 seconds in 20 minutes intervals			0.009 (m/s)	135.36; 2.68

Table S2. Table 2: technical specifications of the surveys considered in this study for each mooring at the different locations. (Refer to Table S1)