

These data were collected for SK Grant NA16NMF4270254 between June 22, 2017, and February 2, 2018. The data include environmental variables associated with invertebrate sampling in three regions of North Humboldt Bay, California. Sample analysis was for each core (2.5 cm diameter by 10 cm tall core) sample collected. Cores were collected at quadrat locations.

Disclaimer: These data and related items of information have not been formally disseminated by NOAA, and do not represent any agency determination, view, or policy.

PROJECT DATA:	
Category	Description
Sample	Sample identification, including a description of the sampling season, region, habitat code, and quadrat (e.g., S.BI.A.E.1 = summer, Bird Island, aquaculture with eelgrass, and core sample)
Percent Carbon	% total organic carbon (TOC) using the loss on ignition protocol for each core sample
Sand	Particle size in the sand size class using sieve and hydrometer method to get percent sand for each core sample
Silt	Particle size in the silt size class using sieve and hydrometer method to get percent silt for each core sample
Clay	Particle size in the clay size class using sieve and hydrometer method to get percent silt for each core sample
Elevation (m)	Tidal elevation (in meters based on 0 meters mean lower low water) for each sample
Region	Sampling region within North Humboldt Bay = Mad River (MR), BI (Bird Island), and EB (East Bay).
Habcode	Habitat code (sampling habitat) = mudflat (M), aquaculture without eelgrass (AM), eelgrass (E), and aquaculture with eelgrass (AE)
Aqua	Aquaculture presence = absent (N) or present (A)
Bottype	Bottom (substrate) type present = eelgrass (E) or mudflat (M)
Season	Sampling season = summer (S) or winter (W)

PROJECT CONTACTS:

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Sample	Percent Carbon	Sand	Silt	Clay	Elevation (m)	Region	Habcode	Aqua	Bottype	Season
S.BI.A.E.1	3.31	48	11	41	-0.05	BI	AE	A	E	S
S.BI.A.E.3	4.1	66	23	11	-0.09	BI	AE	A	E	S
S.BI.A.E.6	2.8	64	25	11	-0.06	BI	AE	A	E	S
S.BI.A.E.7	3.77	38	55	7	-0.5	BI	AE	A	E	S
S.BI.A.E.8	4.31	35	53	12	-0.41	BI	AE	A	E	S
S.BI.A.M.1	4.29	45	39	16	0.14	BI	AM	A	M	S
S.BI.A.M.3	1.54	69	25	6	0.28	BI	AM	A	M	S
S.BI.A.M.4	3.76	56	39	5	0.21	BI	AM	A	M	S
S.BI.A.M.6	3.65	49	46	5	0.13	BI	AM	A	M	S
S.BI.A.M.8	4.29	27	58	15	0.15	BI	AM	A	M	S
S.BI.A.M.9	3.66	34	52	14	-0.03	BI	AM	A	M	S
S.BI.A.M.10	3.07	44	45	11	0.02	BI	AM	A	M	S
S.BI.N.E.3	4.58	32	51	17	-0.29	BI	NE	N	E	S
S.BI.N.E.4	2.9	56	42	2	-0.33	BI	NE	N	E	S
S.BI.N.E.5	3.24	44	44	12	-0.13	BI	NE	N	E	S
S.BI.N.E.6	5.24	43	44	13	-0.18	BI	NE	N	E	S
S.BI.N.E.7	3.68	46	43	11	-0.3	BI	NE	N	E	S
S.BI.N.M.1	3.69	60	27	13	0.19	BI	NM	N	M	S
S.BI.N.M.2	3.46	61	25	14	0.73	BI	NM	N	M	S
S.BI.N.M.3	2.07	58	37	5	0.11	BI	NM	N	M	S
S.BI.N.M.7	4.07	50	46	4	0.17	BI	NM	N	M	S
S.BI.N.M.8	3.7	46	42	12	-0.04	BI	NM	N	M	S
S.BI.N.M.9	3.08	60	29	11	0.44	BI	NM	N	M	S
S.EB.A.E.2	5.46	23	56	21	-0.04	EB	AE	A	E	S
S.EB.A.E.3	6.36	35	43	22	-0.5	EB	AE	A	E	S
S.EB.A.E.4	5.82	19	50	31	-0.09	EB	AE	A	E	S
S.EB.A.E.5	5.42	32	41	27	-0.08	EB	AE	A	E	S
S.EB.A.E.8	4.2	32	45	23	-0.05	EB	AE	A	E	S
S.EB.A.M.1	6.05	15	56	29	-0.03	EB	AM	A	M	S
S.EB.A.M.2	5.3	22	57	21	0	EB	AM	A	M	S
S.EB.A.M.4	6.49	17	53	30	0.01	EB	AM	A	M	S
S.EB.A.M.9	4.42	19	53	28	-0.3	EB	AM	A	M	S
S.EB.A.M.10	4.96	28	55	17	-0.08	EB	AM	A	M	S

Sample	Percent Carbon	Sand	Silt	Clay	Elevation (m)	Region	Habcode	Aqua	Bottype	Season
S.EB.N.E.1	5.04	27	49	24	-0.01	EB	NE	N	E	S
S.EB.N.E.2	5.33	28	57	15	-0.42	EB	NE	N	E	S
S.EB.N.E.3	4.51	44	49	7	-0.13	EB	NE	N	E	S
S.EB.N.E.4	4.14	48	36	16	-0.16	EB	NE	N	E	S
S.EB.N.E.6	6.02	31	54	15	-0.2	EB	NE	N	E	S
S.EB.N.E.9	5.63	25	50	25	-0.5	EB	NE	N	E	S
S.EB.N.M.1	6.17	17	54	29	0.53	EB	NM	N	M	S
S.EB.N.M.2	6.72	16	56	28	0.58	EB	NM	N	M	S
S.EB.N.M.3	5.55	25	52	23	0.84	EB	NM	N	M	S
S.EB.N.M.4	5.44	26	51	23	0.67	EB	NM	N	M	S
S.EB.N.M.5	5.44	28	48	24	0.04	EB	NM	N	M	S
S.MR.A.E.3	6.98	12	54	34	-0.3	MR	AE	A	E	S
S.MR.A.E.4	6.36	3	44	53	-0.07	MR	AE	A	E	S
S.MR.A.E.6	6.8	16	49	35	-0.34	MR	AE	A	E	S
S.MR.A.E.7	6.74	1	40	59	-0.37	MR	AE	A	E	S
S.MR.A.E.9	5.9	17	53	30	-0.45	MR	AE	A	E	S
S.MR.A.E.10	6.7	22	47	31	-0.17	MR	AE	A	E	S
S.MR.A.M.1	5.18	36	45	19	0.16	MR	AM	A	M	S
S.MR.A.M.2	5.23	26	50	24	-0.11	MR	AM	A	M	S
S.MR.A.M.3	4.91	44	40	16	0.06	MR	AM	A	M	S
S.MR.A.M.5	5.02	25	53	22	0.08	MR	AM	A	M	S
S.MR.A.M.6	3.08	24	58	18	0.14	MR	AM	A	M	S
S.MR.N.E.3	5.7	12	48	40	-0.57	MR	NE	N	E	S
S.MR.N.E.4	5.03	41	41	18	-0.35	MR	NE	N	E	S
S.MR.N.E.5	5.43	24	53	23	-0.3	MR	NE	N	E	S
S.MR.N.E.6	3.98	24	55	21	-0.35	MR	NE	N	E	S
S.MR.N.E.7	3.72	43	45	12	-0.08	MR	NE	N	E	S
S.MR.N.E.8	4.26	28	47	25	-0.05	MR	NE	N	E	S
S.MR.N.M.1	3.57	39	47	14	0.11	MR	NM	N	M	S
S.MR.N.M.3	4.88	24	58	18	0.11	MR	NM	N	M	S
S.MR.N.M.4	5.01	25	59	16	0.28	MR	NM	N	M	S
S.MR.N.M.5	4.6	34	44	22	0.48	MR	NM	N	M	S
S.MR.N.M.6	3.39	39	44	17	0.4	MR	NM	N	M	S

Sample	Percent Carbon	Sand	Silt	Clay	Elevation (m)	Region	Habcode	Aqua	Bottype	Season
S.MR.N.M.7	5.74	17	59	24	0.51	MR	NM	N	M	S
W.BI.A.E.6	3.5	42	46	12	-0.06	BI	AE	A	E	W
W.BI.A.E.12	5.31	94.69	51	15	-0.11	BI	AE	A	E	W
W.BI.A.E.16	2.39	97.61	46	26	-0.43	BI	AE	A	E	W
W.BI.A.E.17	1.84	32	50	18	-0.13	BI	AE	A	E	W
W.BI.A.E.18	2.32	95.16	48	20	-0.05	BI	AE	A	E	W
W.BI.A.M.4	5.42	30	47	23	0.21	BI	AM	A	M	W
W.BI.A.M.16	5.59	30	50	20	0.06	BI	AM	A	M	W
W.BI.A.M.17	5.82	50	34	16	0.13	BI	AM	A	M	W
W.BI.A.M.18	2.08	36	48	16	0.15	BI	AM	A	M	W
W.BI.A.M.20	1.6	32	47	21	0.21	BI	AM	A	M	W
W.BI.N.E.5	4.15	67	23	10	-0.13	BI	NE	N	E	W
W.BI.N.E.14	4.27	39	48	13	-0.14	BI	NE	N	E	W
W.BI.N.E.15	2.15	57	27	16	-0.09	BI	NE	N	E	W
W.BI.N.E.18	2.06	42	43	15	-0.2	BI	NE	N	E	W
W.BI.N.E.20	2.17	27	54	19	-0.06	BI	NE	N	E	W
W.BI.N.M.9	3.95	47	43	10	0.44	BI	NM	N	M	W
W.BI.N.M.12	1.76	40	43	17	0.39	BI	NM	N	M	W
W.BI.N.M.16	2.51	36	46	18	0.7	BI	NM	N	M	W
W.BI.N.M.17	6.86	50	38	12	0.01	BI	NM	N	M	W
W.BI.N.M.19	1.34	47	43	10	0.25	BI	NM	N	M	W
W.EB.A.E.4	6.52	22	51	27	-0.09	EB	AE	A	E	W
W.EB.A.E.12	3.28	12	51	37	-0.1	EB	AE	A	E	W
W.EB.A.E.13	2.45	26	50	24	-0.14	EB	AE	A	E	W
W.EB.A.E.17	2.32	19	52	29	-0.01	EB	AE	A	E	W
W.EB.A.E.18	3.35	22	50	28	-0.35	EB	AE	A	E	W
W.EB.A.E.21	2.16	30	48	22	-0.12	EB	AE	A	E	W
W.EB.A.M.9	6.99	19	52	29	-0.3	EB	AM	A	M	W
W.EB.A.M.11	1.91	44	38	18	-0.07	EB	AM	A	M	W
W.EB.A.M.15	2.01	29	51	20	0	EB	AM	A	M	W
W.EB.A.M.16	2.32	28	48	24	0.01	EB	AM	A	M	W
W.EB.A.M.17	2.67	20	51	29	-0.04	EB	AM	A	M	W
W.EB.A.M.18	1.74	34	45	21	-0.13	EB	AM	A	M	W

Sample	Percent Carbon	Sand	Silt	Clay	Elevation (m)	Region	Habcode	Aqua	Bottype	Season
W.EB.N.E.2	6.02	20	52	28	-0.42	EB	NE	N	E	W
W.EB.N.E.11	1.45	41	37	22	0	EB	NE	N	E	W
W.EB.N.E.12	2.76	41	38	21	-0.3	EB	NE	N	E	W
W.EB.N.E.14	2.02	39	41	20	-0.23	EB	NE	N	E	W
W.EB.N.E.17	6.72	41	43	16	-0.42	EB	NE	N	E	W
W.EB.N.M.5	7.71	26	48	26	0.04	EB	NM	N	M	W
W.EB.N.M.12	2.5	24	49	27	0.18	EB	NM	N	M	W
W.EB.N.M.14	2.02	28	47	25	-0.08	EB	NM	N	M	W
W.EB.N.M.15	2.41	36	42	22	0.12	EB	NM	N	M	W
W.EB.N.M.18	1.8	30	48	22	0.2	EB	NM	N	M	W
W.EB.N.M.19	3.03	18	52	30	0.06	EB	NM	N	M	W
W.MR.A.E.3	9.83	8	31	61	-0.3	MR	AE	A	E	W
W.MR.A.E.13	6.29	6	56	38	-0.15	MR	AE	A	E	W
W.MR.A.E.18	2.36	20	52	28	-0.12	MR	AE	A	E	W
W.MR.A.E.19	2.23	15	42	43	-0.11	MR	AE	A	E	W
W.MR.A.E.20	8.5	27	47	26	-0.36	MR	AE	A	E	W
W.MR.A.M.6	6.4	23	52	25	0.14	MR	AM	A	M	W
W.MR.A.M.14	6.91	20	57	23	0.24	MR	AM	A	M	W
W.MR.A.M.15	2.71	30	45	25	0.11	MR	AM	A	M	W
W.MR.A.M.17	2.03	16	56	28	0.16	MR	AM	A	M	W
W.MR.A.M.20	1.78	25	46	29	0.16	MR	AM	A	M	W
W.MR.N.E.5	6.87	22	56	22	-0.3	MR	NE	N	E	W
W.MR.N.E.11	6.32	25	49	26	-0.3	MR	NE	N	E	W
W.MR.N.E.15	2.51	36	38	26	-0.23	MR	NE	N	E	W
W.MR.N.E.17	1.85	28	46	26	-0.01	MR	NE	N	E	W
W.MR.N.E.18	5.75	38	43	19	-0.3	MR	NE	N	E	W
W.MR.N.E.20	5.11	23	53	24	-0.09	MR	NE	N	E	W
W.MR.N.M.1	4.9	35	51	14	0.11	MR	NM	N	M	W
W.MR.N.M.11	2.12	22	56	22	0.22	MR	NM	N	M	W
W.MR.N.M.15	2.71	16	57	27	0.28	MR	NM	N	M	W
W.MR.N.M.17	5.41	25	53	22	0.47	MR	NM	N	M	W
W.MR.N.M.20	2.13	22	54	24	0.24	MR	NM	N	M	W

The map below provides the locations of core samples collected in the winter and summer for the invertebrate identification work in North Humboldt Bay.

