

These data were collected by U.S. Fish and Wildlife Service (USFWS). The data include fish collected using a fyke net in four site of North Humboldt Bay, California. There are two workbooks in this file that are described below.

**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.

FYKE_CPUEFFORT_DATA	
Category	Description
Date	Date of sampling
Expr2	Year of sampling effort
Expr1	Site identification
Location	Sampling site = Mad River (MR), East Bay (EB), Arcata Channel (AC), and Sand Island (SI). Additional identifiers (e.g., mudflat, eelgrass, oyster culture) provide additional information on the habitat sampled.
Species	Fish species collected in the fyke nets during sampling
SumOfQuantity	Sum of each species collected
SamplingMethod	Type of net used for sampling: this data is a subset of just the fyke net data collection effort
p	p is the proportional abundance of species
p^2	p^2 is a calculation for the Simpson's Index (D)
lnp	lnp is a calculation for the Shannon-Wiener Index (H')
lnp*p	lnp*p is a calculation for the Shannon-Wiener Index (H')

FYKE_CPUEFFORT_DATA	
Category	Description
Date	Date of sampling
Start Time	Start time when nets are set up and fishing
End Time	End time when nets are finished fishing
time	Total time fishing in hours and minutes
Minutes	Total time fishing in minutes
Location	Same as above
SamplingMethod	Net used for sampling = fyke net
# of fish	Number of fish collected
fish per minute	Catch per unit effort (fish per minute)
fish per hour	Catch per unit effort (fish per hour)
Richness	Species richness = total number of species captured at a given site, channel, or habitat type by month
SimpDiv	Simpson Diversity Index (D) = calculated using the equation by Magurran 1988
SWDiv	Shannon-Weiner Diversity Index (H') = calculated using the equation by Magurran 1988

#### PROJECT CONTACTS:

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**Data Collection** Bill Pinnix (707-822-7201, bill\_pinnix@fws.gov)

Date	Expr2	Expr1	Location	Species	SumOfQuantity	SamplingMethod	p	p^2	lnp	lnp*p
8/25/2004	2004	8	EB2	Shiner Surfperch	12	Fyke Net	0.5	0.25	-0.69315	-0.34657
8/25/2004	2004	8	EB2	Bay Pipefish	1	Fyke Net	0.041667	0.001736	-3.17805	-0.13242
8/25/2004	2004	8	EB2	Pacific Herring	7	Fyke Net	0.291667	0.085069	-1.23214	-0.35938
8/25/2004	2004	8	EB2	Three spined Stickleback	1	Fyke Net	0.041667	0.001736	-3.17805	-0.13242
8/25/2004	2004	8	EB2	Walleye Surfperch	3	Fyke Net	0.125	0.015625	-2.07944	-0.25993
9/24/2004	2004	9	MR8		0	Fyke Net	0	0	0	0
3/24/2005	2005	3	MR Oyster Culture	Shiner Surfperch	6	Fyke Net	0.666667	0.444444	-0.40547	-0.27031
3/24/2005	2005	3	MR Oyster Culture	White Bait Smelt	2	Fyke Net	0.222222	0.049383	-1.50408	-0.33424
3/24/2005	2005	3	MR Oyster Culture	Speckled Sanddab	1	Fyke Net	0.111111	0.012346	-2.19722	-0.24414
3/25/2005	2005	3	AC Eelgrass	Shiner Surfperch	1	Fyke Net	0.5	0.25	-0.69315	-0.34657
3/25/2005	2005	3	AC Eelgrass	Bay Pipefish	1	Fyke Net	0.5	0.25	-0.69315	-0.34657
3/25/2005	2005	3	AC Oyster Culture	Shiner Surfperch	5	Fyke Net	0.714286	0.510204	-0.33647	-0.24034
3/25/2005	2005	3	AC Oyster Culture	Bay Pipefish	1	Fyke Net	0.142857	0.020408	-1.94591	-0.27799
3/25/2005	2005	3	AC Oyster Culture	Staghorn Sculpin	1	Fyke Net	0.142857	0.020408	-1.94591	-0.27799
4/5/2005	2005	4	EB Oyster Culture	Pile Surfperch	2	Fyke Net	0.5	0.25	-0.69315	-0.34657
4/5/2005	2005	4	EB Oyster Culture	White Bait Smelt	2	Fyke Net	0.5	0.25	-0.69315	-0.34657
4/20/2005	2005	4	AC Eelgrass	Bay Pipefish	2	Fyke Net	1	1	0	0
4/20/2005	2005	4	AC Oyster Culture	Staghorn Sculpin	1	Fyke Net	1	1	0	0
4/20/2005	2005	4	AC Mudflat	English sole	1	Fyke Net	1	1	0	0
4/21/2005	2005	4	EB Eelgrass	Shiner Surfperch	3	Fyke Net	0.5	0.25	-0.69315	-0.34657
4/21/2005	2005	4	EB Eelgrass	Bay Pipefish	2	Fyke Net	0.333333	0.111111	-1.09861	-0.3662
4/21/2005	2005	4	EB Eelgrass	Staghorn Sculpin	1	Fyke Net	0.166667	0.027778	-1.79176	-0.29863
4/21/2005	2005	4	EB Oyster Culture	Shiner Surfperch	5	Fyke Net	0.555556	0.308642	-0.58779	-0.32655
4/21/2005	2005	4	EB Oyster Culture	Bay Pipefish	1	Fyke Net	0.111111	0.012346	-2.19722	-0.24414
4/21/2005	2005	4	EB Oyster Culture	White Surfperch	1	Fyke Net	0.111111	0.012346	-2.19722	-0.24414
4/21/2005	2005	4	EB Oyster Culture	Staghorn Sculpin	1	Fyke Net	0.111111	0.012346	-2.19722	-0.24414
4/21/2005	2005	4	EB Oyster Culture	Pile Surfperch	1	Fyke Net	0.111111	0.012346	-2.19722	-0.24414
4/21/2005	2005	4	EB Mudflat	Shiner Surfperch	3	Fyke Net	1	1	0	0
4/22/2005	2005	4	SI Eelgrass	Bay Pipefish	1	Fyke Net	0.5	0.25	-0.69315	-0.34657
4/22/2005	2005	4	SI Eelgrass	Tubesnout	1	Fyke Net	0.5	0.25	-0.69315	-0.34657
4/22/2005	2005	4	SI Oyster Culture	Shiner Surfperch	23	Fyke Net	0.92	0.8464	-0.08338	-0.07671
4/22/2005	2005	4	SI Oyster Culture	White Bait Smelt	1	Fyke Net	0.04	0.0016	-3.21888	-0.12876
4/22/2005	2005	4	SI Oyster Culture	Jacksmelt	1	Fyke Net	0.04	0.0016	-3.21888	-0.12876
5/2/2005	2005	5	MR Eelgrass	Bay Pipefish	1	Fyke Net	0.333333	0.111111	-1.09861	-0.3662
5/2/2005	2005	5	MR Eelgrass	Dungeness Crab	1	Fyke Net	0.333333	0.111111	-1.09861	-0.3662
5/2/2005	2005	5	MR Eelgrass	Bat Ray	1	Fyke Net	0.333333	0.111111	-1.09861	-0.3662
5/2/2005	2005	5	MR Oyster Culture	Shiner Surfperch	16	Fyke Net	0.695652	0.483932	-0.36291	-0.25246
5/2/2005	2005	5	MR Oyster Culture	Goby sp.	1	Fyke Net	0.043478	0.00189	-3.13549	-0.13633
5/2/2005	2005	5	MR Oyster Culture	Staghorn Sculpin	1	Fyke Net	0.043478	0.00189	-3.13549	-0.13633
5/2/2005	2005	5	MR Oyster Culture	smelt spp.	1	Fyke Net	0.043478	0.00189	-3.13549	-0.13633
5/2/2005	2005	5	MR Oyster Culture	Northern Anchovy	3	Fyke Net	0.130435	0.017013	-2.03688	-0.26568
5/2/2005	2005	5	MR Oyster Culture	Speckled Sanddab	1	Fyke Net	0.043478	0.00189	-3.13549	-0.13633
5/3/2005	2005	5	SI Eelgrass	Bay Pipefish	2	Fyke Net	1	1	0	0
5/3/2005	2005	5	SI Oyster Culture	Shiner Surfperch	26	Fyke Net	0.866667	0.751111	-0.1431	-0.12402
5/3/2005	2005	5	SI Oyster Culture	Bay Pipefish	3	Fyke Net	0.1	0.01	-2.30259	-0.23026
5/3/2005	2005	5	SI Oyster Culture	Staghorn Sculpin	1	Fyke Net	0.033333	0.001111	-3.4012	-0.11337
5/4/2005	2005	5	EB Oyster Culture	Shiner Surfperch	3	Fyke Net	0.428571	0.183673	-0.8473	-0.36313
5/4/2005	2005	5	EB Oyster Culture	Bay Pipefish	2	Fyke Net	0.285714	0.081633	-1.25276	-0.35793

Date	Expr2	Expr1	Location	Species	SumOfQuantity	SamplingMethod	p	p^2	lnp	lnp*p
5/4/2005	2005	5	EB Oyster Culture	Staghorn Sculpin	1	Fyke Net	0.142857	0.020408	-1.94591	-0.27799
5/4/2005	2005	5	EB Oyster Culture	Three spined Stickleback	1	Fyke Net	0.142857	0.020408	-1.94591	-0.27799
8/1/2005	2005	8	EB Eelgrass	Shiner Surfperch	11	Fyke Net	0.5	0.25	-0.69315	-0.34657
8/1/2005	2005	8	EB Eelgrass	Bay Pipefish	1	Fyke Net	0.045455	0.002066	-3.09104	-0.1405
8/1/2005	2005	8	EB Eelgrass	Walleye Surfperch	3	Fyke Net	0.136364	0.018595	-1.99243	-0.2717
8/1/2005	2005	8	EB Eelgrass	Pile Surfperch	1	Fyke Net	0.045455	0.002066	-3.09104	-0.1405
8/1/2005	2005	8	EB Eelgrass	Northern Anchovy	6	Fyke Net	0.272727	0.07438	-1.29928	-0.35435
8/1/2005	2005	8	EB Oyster Culture	Shiner Surfperch	6	Fyke Net	0.6	0.36	-0.51083	-0.3065
8/1/2005	2005	8	EB Oyster Culture	Bay Pipefish	1	Fyke Net	0.1	0.01	-2.30259	-0.23026
8/1/2005	2005	8	EB Oyster Culture	Walleye Surfperch	2	Fyke Net	0.2	0.04	-1.60944	-0.32189
8/1/2005	2005	8	EB Oyster Culture	Northern Anchovy	1	Fyke Net	0.1	0.01	-2.30259	-0.23026
8/1/2005	2005	8	EB Mudflat	Shiner Surfperch	339	Fyke Net	0.933884	0.87214	-0.0684	-0.06388
8/1/2005	2005	8	EB Mudflat	White Surfperch	1	Fyke Net	0.002755	7.59E-06	-5.8944	-0.01624
8/1/2005	2005	8	EB Mudflat	Walleye Surfperch	7	Fyke Net	0.019284	0.000372	-3.94849	-0.07614
8/1/2005	2005	8	EB Mudflat	American Shad	1	Fyke Net	0.002755	7.59E-06	-5.8944	-0.01624
8/1/2005	2005	8	EB Mudflat	Topsmelt	4	Fyke Net	0.011019	0.000121	-4.50811	-0.04968
8/1/2005	2005	8	EB Mudflat	Northern Anchovy	11	Fyke Net	0.030303	0.000918	-3.49651	-0.10595
8/2/2005	2005	8	AC Eelgrass	Shiner Surfperch	18	Fyke Net	0.545455	0.297521	-0.60614	-0.33062
8/2/2005	2005	8	AC Eelgrass	Bay Pipefish	3	Fyke Net	0.090909	0.008264	-2.3979	-0.21799
8/2/2005	2005	8	AC Eelgrass	Three spined Stickleback	1	Fyke Net	0.030303	0.000918	-3.49651	-0.10595
8/2/2005	2005	8	AC Eelgrass	Walleye Surfperch	4	Fyke Net	0.121212	0.014692	-2.11021	-0.25578
8/2/2005	2005	8	AC Eelgrass	White Bait Smelt	1	Fyke Net	0.030303	0.000918	-3.49651	-0.10595
8/2/2005	2005	8	AC Eelgrass	Northern Anchovy	6	Fyke Net	0.181818	0.033058	-1.70475	-0.30995
8/2/2005	2005	8	AC Oyster Culture	Shiner Surfperch	126	Fyke Net	0.16051	0.025763	-1.8294	-0.29364
8/2/2005	2005	8	AC Oyster Culture	Bay Pipefish	3	Fyke Net	0.003822	1.46E-05	-5.56707	-0.02128
8/2/2005	2005	8	AC Oyster Culture	Bat Ray	1	Fyke Net	0.001274	1.62E-06	-6.66568	-0.00849
8/2/2005	2005	8	AC Oyster Culture	Walleye Surfperch	1	Fyke Net	0.001274	1.62E-06	-6.66568	-0.00849
8/2/2005	2005	8	AC Oyster Culture	Pacific Sardine	1	Fyke Net	0.001274	1.62E-06	-6.66568	-0.00849
8/2/2005	2005	8	AC Oyster Culture	Topsmelt	162	Fyke Net	0.206369	0.042588	-1.57809	-0.32567
8/2/2005	2005	8	AC Oyster Culture	Northern Anchovy	491	Fyke Net	0.625478	0.391222	-0.46924	-0.2935
8/2/2005	2005	8	AC Mudflat	Shiner Surfperch	57	Fyke Net	0.780822	0.609683	-0.24741	-0.19318
8/2/2005	2005	8	AC Mudflat	Staghorn Sculpin	1	Fyke Net	0.013699	0.000188	-4.29046	-0.05877
8/2/2005	2005	8	AC Mudflat	Topsmelt	1	Fyke Net	0.013699	0.000188	-4.29046	-0.05877
8/2/2005	2005	8	AC Mudflat	Northern Anchovy	14	Fyke Net	0.191781	0.03678	-1.6514	-0.31671
8/2/2005	2005	8	EB Eelgrass Night	Shiner Surfperch	321	Fyke Net	0.82732	0.684458	-0.18956	-0.15683
8/2/2005	2005	8	EB Eelgrass Night	Bay Pipefish	1	Fyke Net	0.002577	6.64E-06	-5.96101	-0.01536
8/2/2005	2005	8	EB Eelgrass Night	White Surfperch	2	Fyke Net	0.005155	2.66E-05	-5.26786	-0.02715
8/2/2005	2005	8	EB Eelgrass Night	Staghorn Sculpin	6	Fyke Net	0.015464	0.000239	-4.16925	-0.06447
8/2/2005	2005	8	EB Eelgrass Night	Walleye Surfperch	24	Fyke Net	0.061856	0.003826	-2.78295	-0.17214
8/2/2005	2005	8	EB Eelgrass Night	Pile Surfperch	5	Fyke Net	0.012887	0.000166	-4.35157	-0.05608
8/2/2005	2005	8	EB Eelgrass Night	Pacific Sardine	1	Fyke Net	0.002577	6.64E-06	-5.96101	-0.01536
8/2/2005	2005	8	EB Eelgrass Night	White Bait Smelt	3	Fyke Net	0.007732	5.98E-05	-4.86239	-0.0376
8/2/2005	2005	8	EB Eelgrass Night	Topsmelt	1	Fyke Net	0.002577	6.64E-06	-5.96101	-0.01536
8/2/2005	2005	8	EB Eelgrass Night	Northern Anchovy	24	Fyke Net	0.061856	0.003826	-2.78295	-0.17214
8/2/2005	2005	8	EB Oyster Culture Night	Shiner Surfperch	129	Fyke Net	0.339474	0.115242	-1.08036	-0.36675
8/2/2005	2005	8	EB Oyster Culture Night	Bay Pipefish	3	Fyke Net	0.007895	6.23E-05	-4.84156	-0.03822
8/2/2005	2005	8	EB Oyster Culture Night	Surf Smelt	1	Fyke Net	0.002632	6.93E-06	-5.94017	-0.01563
8/2/2005	2005	8	EB Oyster Culture Night	Staghorn Sculpin	1	Fyke Net	0.002632	6.93E-06	-5.94017	-0.01563

Date	Expr2	Expr1	Location	Species	SumOfQuantity	SamplingMethod	p	p^2	lnp	lnp*p
8/2/2005	2005	8	EB Oyster Culture Night	Walleye Surfperch	25	Fyke Net	0.065789	0.004328	-2.7213	-0.17903
8/2/2005	2005	8	EB Oyster Culture Night	Topsmelt	3	Fyke Net	0.007895	6.23E-05	-4.84156	-0.03822
8/2/2005	2005	8	EB Oyster Culture Night	Northern Anchovy	218	Fyke Net	0.573684	0.329114	-0.55568	-0.31878
8/2/2005	2005	8	EB Mudflat Night	Shiner Surfperch	55	Fyke Net	0.387324	0.15002	-0.94849	-0.36737
8/2/2005	2005	8	EB Mudflat Night	Staghorn Sculpin	1	Fyke Net	0.007042	4.96E-05	-4.95583	-0.0349
8/2/2005	2005	8	EB Mudflat Night	Walleye Surfperch	17	Fyke Net	0.119718	0.014332	-2.12261	-0.25412
8/2/2005	2005	8	EB Mudflat Night	Pacific Sardine	1	Fyke Net	0.007042	4.96E-05	-4.95583	-0.0349
8/2/2005	2005	8	EB Mudflat Night	White Bait Smelt	1	Fyke Net	0.007042	4.96E-05	-4.95583	-0.0349
8/2/2005	2005	8	EB Mudflat Night	Northern Anchovy	67	Fyke Net	0.471831	0.222624	-0.75113	-0.35441
8/2/2005	2005	8	AC Oyster Culture Night	Shiner Surfperch	391	Fyke Net	0.728119	0.530158	-0.31729	-0.23103
8/2/2005	2005	8	AC Oyster Culture Night	Bay Goby	1	Fyke Net	0.001862	3.47E-06	-6.286	-0.01171
8/2/2005	2005	8	AC Oyster Culture Night	Bay Pipefish	3	Fyke Net	0.005587	3.12E-05	-5.18739	-0.02898
8/2/2005	2005	8	AC Oyster Culture Night	White Surfperch	4	Fyke Net	0.007449	5.55E-05	-4.8997	-0.0365
8/2/2005	2005	8	AC Oyster Culture Night	Saddleback Gunnel	1	Fyke Net	0.001862	3.47E-06	-6.286	-0.01171
8/2/2005	2005	8	AC Oyster Culture Night	Staghorn Sculpin	6	Fyke Net	0.011173	0.000125	-4.49424	-0.05021
8/2/2005	2005	8	AC Oyster Culture Night	Black Rockfish	1	Fyke Net	0.001862	3.47E-06	-6.286	-0.01171
8/2/2005	2005	8	AC Oyster Culture Night	Bat Ray	1	Fyke Net	0.001862	3.47E-06	-6.286	-0.01171
8/2/2005	2005	8	AC Oyster Culture Night	Walleye Surfperch	41	Fyke Net	0.07635	0.005829	-2.57243	-0.1964
8/2/2005	2005	8	AC Oyster Culture Night	White Bait Smelt	1	Fyke Net	0.001862	3.47E-06	-6.286	-0.01171
8/2/2005	2005	8	AC Oyster Culture Night	Topsmelt	1	Fyke Net	0.001862	3.47E-06	-6.286	-0.01171
8/2/2005	2005	8	AC Oyster Culture Night	Northern Anchovy	86	Fyke Net	0.160149	0.025648	-1.83165	-0.29334
8/2/2005	2005	8	AC Mudflat Night	Shiner Surfperch	51	Fyke Net	0.12782	0.016338	-2.05714	-0.26294
8/2/2005	2005	8	AC Mudflat Night	White Surfperch	1	Fyke Net	0.002506	6.28E-06	-5.98896	-0.01501
8/2/2005	2005	8	AC Mudflat Night	Staghorn Sculpin	3	Fyke Net	0.007519	5.65E-05	-4.89035	-0.03677
8/2/2005	2005	8	AC Mudflat Night	Brown Smoothhound	1	Fyke Net	0.002506	6.28E-06	-5.98896	-0.01501
8/2/2005	2005	8	AC Mudflat Night	Walleye Surfperch	9	Fyke Net	0.022556	0.000509	-3.79174	-0.08553
8/2/2005	2005	8	AC Mudflat Night	White Bait Smelt	1	Fyke Net	0.002506	6.28E-06	-5.98896	-0.01501
8/2/2005	2005	8	AC Mudflat Night	Topsmelt	1	Fyke Net	0.002506	6.28E-06	-5.98896	-0.01501
8/2/2005	2005	8	AC Mudflat Night	Northern Anchovy	332	Fyke Net	0.83208	0.692357	-0.18383	-0.15296
8/3/2005	2005	8	MR Eelgrass	Shiner Surfperch	11	Fyke Net	0.34375	0.118164	-1.06784	-0.36707
8/3/2005	2005	8	MR Eelgrass	Bay Pipefish	2	Fyke Net	0.0625	0.003906	-2.77259	-0.17329
8/3/2005	2005	8	MR Eelgrass	Surf Smelt	1	Fyke Net	0.03125	0.000977	-3.46574	-0.1083
8/3/2005	2005	8	MR Eelgrass	Staghorn Sculpin	1	Fyke Net	0.03125	0.000977	-3.46574	-0.1083
8/3/2005	2005	8	MR Eelgrass	Walleye Surfperch	1	Fyke Net	0.03125	0.000977	-3.46574	-0.1083
8/3/2005	2005	8	MR Eelgrass	Pacific Sardine	1	Fyke Net	0.03125	0.000977	-3.46574	-0.1083
8/3/2005	2005	8	MR Eelgrass	Northern Anchovy	15	Fyke Net	0.46875	0.219727	-0.75769	-0.35517
8/3/2005	2005	8	MR Oyster Culture	Shiner Surfperch	93	Fyke Net	0.286154	0.081884	-1.25123	-0.35804
8/3/2005	2005	8	MR Oyster Culture	Bay Pipefish	1	Fyke Net	0.003077	9.47E-06	-5.78383	-0.0178
8/3/2005	2005	8	MR Oyster Culture	Surf Smelt	3	Fyke Net	0.009231	8.52E-05	-4.68521	-0.04325
8/3/2005	2005	8	MR Oyster Culture	Staghorn Sculpin	1	Fyke Net	0.003077	9.47E-06	-5.78383	-0.0178
8/3/2005	2005	8	MR Oyster Culture	Walleye Surfperch	1	Fyke Net	0.003077	9.47E-06	-5.78383	-0.0178
8/3/2005	2005	8	MR Oyster Culture	Pacific Sardine	1	Fyke Net	0.003077	9.47E-06	-5.78383	-0.0178
8/3/2005	2005	8	MR Oyster Culture	Topsmelt	40	Fyke Net	0.123077	0.015148	-2.09495	-0.25784
8/3/2005	2005	8	MR Oyster Culture	Northern Anchovy	185	Fyke Net	0.569231	0.324024	-0.56347	-0.32074
8/3/2005	2005	8	MR Mudflat	Shiner Surfperch	5	Fyke Net	0.5	0.25	-0.69315	-0.34657
8/3/2005	2005	8	MR Mudflat	Bay Pipefish	1	Fyke Net	0.1	0.01	-2.30259	-0.23026
8/3/2005	2005	8	MR Mudflat	Surf Smelt	1	Fyke Net	0.1	0.01	-2.30259	-0.23026
8/3/2005	2005	8	MR Mudflat	Staghorn Sculpin	1	Fyke Net	0.1	0.01	-2.30259	-0.23026

Date	Expr2	Expr1	Location	Species	SumOfQuantity	SamplingMethod	p	p^2	lnp	lnp*p
8/3/2005	2005	8	MR Mudflat	Northern Anchovy	2	Fyke Net	0.2	0.04	-1.60944	-0.32189
8/3/2005	2005	8	AC Eelgrass Night	Shiner Surfperch	149	Fyke Net	0.191271	0.036585	-1.65406	-0.31637
8/3/2005	2005	8	AC Eelgrass Night	Bay Pipefish	1	Fyke Net	0.001284	1.65E-06	-6.65801	-0.00855
8/3/2005	2005	8	AC Eelgrass Night	Leopard Shark	2	Fyke Net	0.002567	6.59E-06	-5.96486	-0.01531
8/3/2005	2005	8	AC Eelgrass Night	Staghorn Sculpin	2	Fyke Net	0.002567	6.59E-06	-5.96486	-0.01531
8/3/2005	2005	8	AC Eelgrass Night	Bat Ray	1	Fyke Net	0.001284	1.65E-06	-6.65801	-0.00855
8/3/2005	2005	8	AC Eelgrass Night	Brown Smoothhound	1	Fyke Net	0.001284	1.65E-06	-6.65801	-0.00855
8/3/2005	2005	8	AC Eelgrass Night	Walleye Surfperch	29	Fyke Net	0.037227	0.001386	-3.29072	-0.1225
8/3/2005	2005	8	AC Eelgrass Night	Pacific Sardine	8	Fyke Net	0.01027	0.000105	-4.57857	-0.04702
8/3/2005	2005	8	AC Eelgrass Night	Topsmelt	1	Fyke Net	0.001284	1.65E-06	-6.65801	-0.00855
8/3/2005	2005	8	AC Eelgrass Night	Northern Anchovy	585	Fyke Net	0.750963	0.563945	-0.2864	-0.21508

Date	Start Time	End Time	time	Minutes	Location	SamplingMethod	# of fish	fish per minute	fish per hour	Richness	SimpDiv	SWDiv
8/25/2004	9:30:00	13:51:00	4:21:00	261	EB2	Fyke Net	24	0.09	5.52	5	2.82	1.23
9/24/2004	10:49:00	13:30:00	2:41:00	161	MR8	Fyke Net	0	0.00	0.00	0	0.00	0.00
3/24/2005	11:40:00	16:20:00	4:40:00	280	MR Mudflat	Fyke Net	0	0.00	0.00	0	0.00	0.00
3/24/2005	13:00:00	17:45:00	4:45:00	285	MR Eelgrass	Fyke Net	0	0.00	0.00	0	0.00	0.00
3/24/2005	12:20:00	17:00:00	4:40:00	280	MR Oyster Culture	Fyke Net	9	0.03	1.93	3	1.98	0.85
3/25/05	11:25:00	16:12:00	4:47:00	287	AC Mudflat	Fyke Net	0	0.00	0.00	0	0.00	0.00
3/25/05	12:37:00	16:55:00	4:18:00	258	AC Oyster Culture	Fyke Net	7	0.03	1.63	3	1.81	0.80
3/25/05	12:07:00	16:35:00	4:28:00	268	AC Eelgrass	Fyke Net	2	0.01	0.45	2	2.00	0.69
4/5/2005	9:49:00	14:05:00	4:16:00	256	EB Eelgrass	Fyke Net	0	0.00	0.00	0	0.00	0.00
4/5/2005	10:24:00	14:50:00	4:26:00	276	EB Oyster Culture	Fyke Net	4	0.01	0.87	2	2.79	1.30
4/5/05	9:15:00	13:52:00	4:47:00	287	EB Mudflat	Fyke Net	0	0.00	0.00	0	0.00	0.00
4/20/2005	11:25:00	15:14:00	3:49:00	229	AC Oyster Culture	Fyke Net	1	0.00	0.26	1	1.00	0.00
4/20/2005	10:27:00	14:40:00	4:13:00	253	AC Mudflat	Fyke Net	1	0.00	0.24	1	1.00	0.00
4/20/2005	11:08:00	13:20:00	2:12:00	132	AC Eelgrass	Fyke Net	2	0.02	0.91	1	1.00	0.00
4/21/05	11:43:00	15:58:00	3:12:00	192	EB Oyster Culture	Fyke Net	9	0.05	2.81	5	2.79	1.30
4/21/05	11:18:00	15:39:00	4:12:00	252	EB Eelgrass	Fyke Net	6	0.02	1.43	3	2.57	1.01
4/21/05	10:57:00	15:03:00	5:12:00	312	EB Mudflat	Fyke Net	3	0.01	0.58	1	1.00	0.00
4/22/2005	11:40:00	16:56:00	5:16:00	316	SI Mudflat	Fyke Net	0	0.00	0.00	0	0.00	0.00
4/22/2005	12:22:00	17:14:00	4:52:00	292	SI Oyster Culture	Fyke Net	25	0.09	5.14	3	1.18	0.33
4/22/2005	13:05:00	18:02:00	4:57:00	297	SI Eelgrass	Fyke Net	2	0.01	0.40	2	2.00	0.69
5/2/2005	8:58:00	13:25:00	4:27:00	267	MR Eelgrass	Fyke Net	3	0.01	0.67	3	3.00	1.10
5/2/2005	7:53:00	12:00:00	4:07:00	247	MR Mudflat	Fyke Net	0	0.00	0.00	0	0.00	0.00
5/2/2005	8:30:00	12:40:00	4:10:00	250	MR Oyster Culture	Fyke Net	23	0.09	5.52	6	1.97	1.06
5/3/2005	9:50:00	15:06:00	5:16:00	316	SI Eelgrass	Fyke Net	2	0.01	0.38	1	1.00	0.00
5/3/2005	9:35:00	14:34:00	4:59:00	299	SI Oyster Culture	Fyke Net	30	0.10	6.02	3	1.31	0.47
5/3/2005	8:55:00	13:49:00	4:54:00	294	SI Mudflat	Fyke Net	0	0.00	0.00	0	0.00	0.00
5/4/2005	10:40:00	15:42:00	5:02:00	302	EB Eelgrass	Fyke Net	0	0.00	0.00	0	0.00	0.00
5/4/2005	10:00:00	14:55:00	4:55:00	295	EB Oyster Culture	Fyke Net	7	0.02	1.42	4	3.27	1.28
5/4/2005	9:40:00	13:36:00	3:56:00	236	EB Mudflat	Fyke Net	0	0.00	0.00	0	0.00	0.00
8/1/2005	12:20:00	16:15:00	3:55:00	235	EB Mudflat	Fyke Net	10	0.04	2.55	4	1.14	0.33
8/1/2005	12:55:00	16:30:00	3:35:00	215	EB Oyster Culture	Fyke Net	363	1.69	101.30	6	2.38	1.09
8/1/2005	13:15:00	16:55:00	3:40:00	220	EB Eelgrass	Fyke Net	22	0.10	6.00	5	2.88	1.25
8/2/2005	10:53:00	3:35:00	4:42:00	282	EB Mudflat Night	Fyke Net	142	0.50	30.21	6	2.58	1.08

