

Table Z.1. Mean dissolved oxygen demand in replicate cores – 21 July 2004

	Station	Ave DO fluxes ($\mu\text{mol O}_2 \text{ m}^{-2} \text{ h}^{-1}$)												total hrs	Notes*
		All data	+/-	Less initial 1/2 hour	+/-	1-4 hrs	+/-	5-8 hrs	+/-	9-12 hrs	+/-	1-8 hrs	+/-		
7/21/2004	OH-4A	1162	445	1118	388	1102	403	1005	328	1233	377	1054	359	14.6	
	OH-4C	1518	1191	1347	707	2179	677	1375	430	1043	333	1777	687	15.4	
	OH-4D	1242	614	1167	468	1213	776	1340	307	963	246	1277	574	13.4	
	mean	1307	187	1211	121	1498	592	1240	204	1080	138	1369	370		
	OH-11A	1709	1381	1473	493	1741	533	1594	403	1448	240	1668	463	13	
	OH-11C	1140	564	1140	564	1328	518	1129	500			1229	502	15.5	<i>data begins at 4 hrs</i>
	OH-11D	1368	864	1214	299	1322	277	1168	218	1169	434	1245	254	14.0	
	mean	1406	287	1276	175	1464	240	1297	258	1309	197	1380	249		
	19A	1370	593	1276	403	1525	343	1313	254	816	321	1419	312	10.6	
	19C	1415	617	1315	401	1519	382	1373	342	966	300	1446	358	11.2	
19D	1689	685	1615	605	2049	717	1461	227	1168	409	1755	597	10.6		
mean	1491	173	1402	186	1697	304	1383	74	984	177	1540	187			

Table Z.2. Mean dissolved oxygen demand in replicate cores – 27 July 2004

Station		Ave DO fluxes ($\mu\text{mol O}_2 \text{ m}^{-2} \text{ h}^{-1}$)												total hrs	Notes*
		All data	+/-	Less initial 1/2 hour	+/-	1-4 hrs	+/-	5-8 hrs	+/-	9-12 hrs	+/-	1-8 hrs	+/-		
7/27/2004	7A	582	851	467	584	1222	587	317	227	96	170	769	635	14.6	
	7B	688	720	608	575	688	627	612	163	930	715	650	445	15.0	
	7D	999	957	827	351	1079	401	932	161	580	206	1006	305	13.1	
	mean	756	217	634	182	996	276	620	308	536	419	808	181		
	RI-11A	841	352	814	336	1055	309	891	327	538	217	973	319	11.6	
	RI-11B	988	374	952	355	1147	390	913	261			1030	343	8.8	
	RI-11C	914	840	786	482	1238	561	747	257	560	374	993	492	13.9	
	mean	914	74	850	89	1147	91	850	90	549	16	999	29		
	14A	1879	1413	1535	877	1872	815	748	374			1535	877	5.8	
	14B	1863	1863	1479	1432	1807	1421					1479	1432	5.4	
	14D	712	679	612	393	830	604	489	297	683	149	659	493	15.0	not included in calc.
	mean	1485	669	1208	517	1503	584	618	183	683	149	1224	490		
	Mean A+B	1871	12	1507	40	1840	46	748				1507	40		A+B only

Table Z.3. Mean dissolved oxygen demand in replicate cores – 5 Aug 2004

	Station	Ave DO fluxes ($\mu\text{mol O}_2 \text{ m}^{-2} \text{ h}^{-1}$)												total hrs	Notes*
		All data	+/-	Less initial 1/2 hour	+/-	1-4 hrs	+/-	5-8 hrs	+/-	9-12 hrs	+/-	1-8 hrs	+/-		
8/5/2004	OH-4A	778	690	745	678	1395	772	314	378	624	588	855	810		
	OH-4B	969	660	903	575	1400	337	768	628	603	484	1084	586	14.5	
	OH-4C	654	399	615	319	803	273	620	459	495	361	711	377	13.1	
	mean	800	159	754	144	1199	343	568	231	574	69	883	188		
	OH-11A	957	827	866	685	1615	458	877	457	281	446	1246	584	13.6	
	OH-11C	933	758	860	647	1452	520	613	365	475	832	1032	613	15.4	
	OH-11D	766	946	637	636	1140	468	796	429	306	912	943	463	15.4	
	mean	886	104	788	131	1402	241	762	135	354	106	1074	155		
	19A	2311	676	2272	711	2272	711							4.4	
	19B	1258	666	1194	632	1562	476	827	568			1194	632	8.2	
	19D	1151	769	1047	649	1306	352	824	833			1065	666	8.8	
	mean	1573	641	1505	669	1713	501	826	3			1130	92		

Table Z.4. Mean dissolved oxygen demand in replicate cores – 10 Aug 2004

Station		Ave DO fluxes ($\mu\text{mol O}_2 \text{ m}^{-2} \text{ h}^{-1}$)													Notes*
		All data	+/-	Less initial 1/2 hour	+/-	1-4 hrs	+/-	5-8 hrs	+/-	9-12 hrs	+/-	1-8 hrs	+/-	total hrs	
8/10/2004	7A	558	447	535	435	929	522	525	437	300	164	727	510	15.0	
	7C	596	474	532	361	800	320	466	332	299	255	633	359	11.7	
	7D	495	524	471	509	1072	295	438	625	27	385	755	575	18.8	
	mean	550	51	513	36	934	136	477	44	209	157	705	64		
	RI-11A	1376	1106	1183	769	1740	645	736	495			1238	760	8.7	
	RI-11B	937	700	832	511	1275	402	563	319	553	457	919	508	10.5	
	RI-11C	936	756	832	562	1366	522	701	372	430	311	1033	556	12.1	
	mean	1083	254	949	203	1460	246	667	91	492	87	1063	161		
	14B	1427	902	1365	919	1735	459					1365	919	5.9	
	14C	1554	901	1430	804	1909	573	664	418			1430	804	6.8	
	14D	574	979	441	650	583	691	390	562	487	755	486	617	14.9	not included in calc.
	mean	1185	533	1079	553	1409	721	527	194	487		1094	527		
	mean B+C	1490	89	1398	46	1822	123	664				1398	46		B+C only

Table Z.5. Mean dissolved oxygen demand in replicate cores – 9 Sept 2004

	Station	Ave DO fluxes ($\mu\text{mol O}_2 \text{ m}^{-2} \text{ h}^{-1}$)		Less initial 1/2 hour		1-4 hrs		5-8 hrs		9-12 hrs		1-8 hrs		total hrs	Notes*
		All data	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-					
9/9/2004	OH-4A	1702	1676	1461	1394	2452	1279	470	533			1461	1394	8.3	not included in calc.
	OH-4C	678	441	658	428	1103	315	807	412	593	365	955	386	19.3	
	OH-4D	596	429	581	425	872	433	560	365	389	623	716	419	19.4	
	mean	992	616	900	487	1475	854	612	175	491	145	1044	380		
	Mean C+D	637	58	619	54	987	163	683	175	491	145	835	169		C+D only
	OH-11A	498	841	438	792	50	1299	741	402	544	378	396	995	14.1	includes initial data
	OH-11A*	654	432	654	432	818	455	617	403	510	436				begin at 3.4 hrs
	OH-11C	704	406	683	390	941	201	698	252	593	544	819	253	10.7	
	OH-11D	970	664	937	651	1464	328	988	424	677	488	1226	441	17.2	
	mean	776	170	758	156	1074	343	768	195	593	83	1023	288	14.0	A*+C+D
	19A	811	729	776	716	1430	528	985	552	147	468	1207	570	14.0	
	19B	1210	499	1228	502	1635	268	1157	349	843	544	1396	389	11.7	
	19C	1424	954	1316	882	2015	374	517	505			1316	882	7.8	
	mean	1148	311	1107	290	1694	297	886	331	495	492	1307	95		