



APPENDIX 8-2

SURFACE WATER QUALITY FIELD PARAMETERS



Rialtas na hÉireann
Government of Ireland



Arna chomhchistiú ag
an Aontas Eorpach
Co-funded by the
European Union



Tionól Reigiúnach
Oirthir agus Lár-Tíre
Eastern and Midland
Regional Assembly



Fáilte
Ireland



ROS
MEN

Comhairle Contae
Ros Comáin
Roscommon
County Council



The Hodson Bay Waterfront Park Project is co-funded by the Government of Ireland and the European Union through the EU Just Transition Fund

Hodson Bay - Surface Water Field Hydrochemistry Results

Site Location ITM X ITM Y	SW01 600774 746263	SW02 600884 746339	SW03 600843 746385	SW04 600916 746755
<i>Round 1: 18/11/2025</i>				
Temperature (C)	8.8	9.1	9.2	8.8
Dissolved Oxygen (%)	77.2	76.1	77.3	77.9
Dissolved Oxygen (mg/l)	8.94	8.77	8.86	9.01
Conductivity (µscm)	329	328	341	319
pH	7.9	8.03	7.92	7.94
ORP (mV)	139	144	115	145
ORP (SHE)	348	353	323	354
<i>Round 2: 27/01/2026</i>				
Temperature (C)	5.4	4.9	5.2	5.6
Dissolved Oxygen (%)	83.6	90.3	90.8	92.2
Dissolved Oxygen (mg/l)	10.6	11.5	11.5	11.6
Conductivity (µscm)	339	337	328	331
pH	7.93	7.9	7.99	8.06
ORP (mV)	103	173	124	105
ORP (SHE)	315	385	336	316
<i>Round 3: 07/04/2026</i>				
Temperature (C)	10	9.5	9.5	10.3
Dissolved Oxygen (%)	87.1	89.5	90.3	104
Dissolved Oxygen (mg/l)	9.8	10.3	10.3	11.6
Conductivity (µscm)	378	370	562	366
pH	7.89	8	7.75	8.19
ORP (mV)	125	115	216	103
ORP (SHE)	333	323	424	311
<i>Round 4: 11/05/2026</i>				
Temperature (C)	14.4	13.2	14.6	15
Dissolved Oxygen (%)	80.7	89.3	145	95.6
Dissolved Oxygen (mg/l)	8.24	9.35	14.7	em
Conductivity (µscm)	396	356	692	380
pH	7.69	8.12	8.42	7.3
ORP (mV)	122	117	136	146
ORP (SHE)	326	322	340	350

em = erroneous measurement