

Table. 1. Study sites diatoms - geographical positions

Accession number National Museum Wales	Decimal Degrees Latitude South	Decimal Degrees Longitude West	Degrees Minutes Latitude South	Degrees Minutes Longitude West	Degrees Minutes Seconds Latitude South	Degrees Minutes Seconds Longitude West	Altitude (m)
<i>January/February 2011</i>							
NMW.C.2011.040. Falkland.2011.1	51.6807°	57.78255°	51°40.842'	57°46.953'	51°40'50.52"	57°46'57.18"	-
NMW.C.2011.040. Falkland.2011.2	51.729083°	58.849833°	51°43.745'	58°50.990'	51°43'44.6988"	58°50'59.3982"	-
NMW.C.2011.040. Falkland.2011.3	51.726067°	59.211317°	51°43.564'	59°12.679'	51°43'33.841"	59°12'40.741"	-
NMW.C.2011.040. Falkland.2011.4. sto	51.836317°	59.12095°	51°50.179'	59°07.257'	51°50'10.7412"	59°7'15.42"	-
NMW.C.2011.040. Falkland.2011.4. bryo	51.836317°	59.12095°	51°50.179'	59°07.257'	51°50'10.7412"	59°7'15.42"	-
NMW.C.2011.040. Falkland.2011.5. sto	51.6061°	59.014083°	51°36.366'	59°00.845'	51°36'21.9594"	59°0'50.6982"	-
NMW.C.2011.040. Falkland.2011.5. bryo	51.6061°	59.014083°	51°36.366'	59°00.845'	51°36'21.9594"	59°0'50.6982"	-
NMW.C.2011.040. Falkland.2011.6. bryo	51.621167°	58.325667°	51°37.27'	58°19.54'	51°37'16.2006"	58°19'32.4012"	-
NMW.C.2011.040. Falkland.2011.7	51.621167°	58.325667°	51°37.27'	58°19.54'	51°37'16.2006"	58°19'32.4012"	-
NMW.C.2011.040. Falkland.2011.8	51.667667°	59.608667°	51°40.06'	59°36.52'	51°40'3.6012"	59°36'31.2006"	-
NMW.C.2011.040. Falkland.2011.9	51.659667°	59.589167°	51°39.58'	59°35.35'	51°39'34.8006"	59°35'21.0012"	-
NMW.C.2011.040. Falkland.2011.10	51.523667°	60.328833°	51°31.42'	60°19.73'	51°31'25.2012"	60°19'43.7988"	-
NMW.C.2011.040. Falkland.2011.11	51.539833°	60.1955°	51°32.39'	60°11.73'	51°32'23.3988"	60°11'43.8"	-
NMW.C.2011.040. Falkland.2011.12	51.610667°	59.559333°	51°36.64'	59°33.56'	51°36'38.401"	59°33'33.599"	-
NMW.C.2011.040. Falkland.2011.13	51.629833°	59.539833°	51°37.79'	59°32.39'	51°37'47.3982"	59°32'23.3988"	-
NMW.C.2011.040. Falkland.2011.14	51.621167°	59.538333°	51°37.27'	59°32.30'	51°37'16.2206"	59°32'17.9988"	10
NMW.C.2011.040. Falkland.2011.15	51.4855°	59.3685°	51°29.13'	59°22.11'	51°29'7.8"	59°22'6.5994"	5
NMW.C.2011.040. Falkland.2011.16A	51.61350°	59.522167°	51°36.85'	59°31.30'	51°36'48.6"	59°31'19.801"	-
NMW.C.2011.040. Falkland.2011.16B	51.61350°	59.522167°	51°36.85'	59°31.30'	51°36'48.6"	59°31'19.801"	-
NMW.C.2011.040. Falkland.2011.17	51.685667°	57.9220°	51°41.14'	57°55.32'	51°41'8.4012"	57°55'19.994"	-
NMW.C.2011.040. Falkland.2011.18	51.501333°	58.123°	51°30.08'	58°07.38'	51°30'4.7988"	58°7'22.7994"	10
NMW.C.2011.040. Falkland.2011.19	51.501333°	58.123°	51°30.08'	58°07.38'	51°30'4.7988"	58°7'22.7994"	10
NMW.C.2011.040. Falkland.2011.20	51.613333°	58.141333°	51°36.80'	58°08.48'	51°36'47.9982"	58°8'28.7988"	5

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NMW.C.2011.040. Falkland.2011.21A	51.767833°	58.717833°	51°46.07'	58°43.07'	51°46'4.1988"	58°43'4.1982"	60
NMW.C.2011.040. Falkland.2011.21B	51.767833°	58.717833°	51°46.07'	58°43.07'	51°46'4.1988"	58°43'4.1982"	60
NMW.C.2011.040. Falkland.2011.22A	51.8065°	58.7215°	51°48.39'	58°43.29'	51°48'23.3994"	58°43'17.3994"	5
NMW.C.2011.040. Falkland.2011.22B	51.8065°	58.7215°	51°48.39'	58°43.29'	51°48'23.3994"	58°43'17.3994"	5
January/February 2015							
NMW.C.2016.003. Falkland.2015.60	51.95792°	60.10451°	51°57.475'	60°6.271'	51°57'28.512"	60°6'16.2354"	16
NMW.C.2016.003. Falkland.2015.66	51.96474°	60.12050°	51°57.884'	60°7.23'	51°57'53.0634"	60°7'13.7994"	5
NMW.C.2016.003. Falkland.2015.75	51.90945°	60.16745°	51°54.567'	60°10.047'	51°54'34.02"	60°10'2.82"	11
NMW.C.2016.003. Falkland.2015.83	52.10210°	60.84327°	52°6.126'	60°50.596"	52°6'7.56"	60°50'35.7714"	< 10
NMW.C.2016.003. Falkland.2015.87	52.12565°	60.84819°	52°7.539'	60°50.8914'	52°7'32.34"	60°50'53.484"	13
NMW.C.2016.003. Falkland.2015.91	52.14256°	60.85425°	52°8.5536'	60°51.225'	52°8'33.216"	60°51'15.3"	10
NMW.C.2016.003. Falkland.2015.119. sto	51.99019°	59.27942°	51°59.4114'	59°16.7652'	51°59'24.6834"	59°16'45.912"	5
NMW.C.2016.003. Falkland.2015.119. bryo	51.99019°	59.27942°	51°59.4114'	59°16.7652'	51°59'24.6834"	59°16'45.912"	5
November 2015							
NMW.C.2016.003. Falkland.2015.5. AO	51.65609°	58.24006°	51°39.3654'	58°14.4036'	51°39'21.9234"	58°14'24.2154"	5
NMW.C.2016.003. Falkland.2015.9. AO	51.73800°	58.27908°	51°44.28'	58°16.7448'	51°44'16.8"	58°16'44.688"	85
NMW.C.2016.003. Falkland.2015.22.A O	51.68864°	57.75191°	51°41.3184'	57°45.1146'	51°41'19.104"	57°45'6.876"	16
NMW.C.2016.003. Falkland.2015.23.A O	51.69056°	57.74997°	51°41.4336'	57°44.9982'	51°41'26.016"	57°44'59.892"	15
NMW.C.2016.003. Falkland.2015.45.A O	51.31818°	60.10463°	51°19.0908'	60°6.2778'	51°19'5.4474"	60°6'16.668"	-
NMW.C.2016.003. Falkland.2015.47.A O	51.31407°	60.09694°	51°18.8442'	60°5.8164'	51°18'50.652"	60°5'48.984"	-
NMW.C.2016.003. Falkland.2015.54.A O	51.31345°	60.07753°	51°18.807'	60°4.6518'	51°18'48.42"	60°4'39.108"	< 5
NMW.C.2016.003. Falkland.2015.55.A O	51.31336°	60.07695°	51°18.8016'	60°4.617"	51°18'48.096"	60°4'37.02"	< 5

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NMW.C.2016.003. Falkland.2015.64.A O	51.31630°	60.08480°	51°18.978'	60°5.088'	51°18'58.68"	60°5'5.28"	< 5
NMW.C.2016.003. Falkland.2015.65.A O	51.30977°	60.09239°	51°18.5862'	60°5.5434'	51°18'35.172"	60°5'32.604"	< 5
NMW.C.2016.003. Falkland.2015.68.A O	51.42281°	59.99916°	51°25.3686'	59°59.9496'	51°25'22.1154"	59°59'56.976"	11
NMW.C.2016.003. Falkland.2015.70.A O	51.42146°	59.99782°	51°25.2876'	59°59.8692'	51°25'17.256"	59°59'52.152"	< 5
NMW.C.2016.003. Falkland.2015.74.A O	51.42099°	59.99529°	51°25.2594'	59°59.7174'	51°25'15.564"	59°59'43.044"	11
NMW.C.2016.003. Falkland.2015.86.A O	51.57440°	60.08517°	51°34.464'	60°5.1102'	51°34'27.84"	60°5'6.612"	583
NMW.C.2016.003. Falkland.2015.87.A O	51.56807°	60.10213°	51°34.0842'	60°6.1278'	51°34'5.0514"	60°6'7.668"	362
NMW.C.2016.003. Falkland.2015.88.A O	51.55077°	60.12505°	51°33.0462'	60°7.503'	51°33'2.7714"	60°7'30.18"	323
NMW.C.2016.003. Falkland.2015.89.A O	51.38916°	60.54858°	51°23.3496'	60°32.9148'	51°23'20.9754"	60°32'54.888"	80
NMW.C.2016.003. Falkland.2015.94.A O	51.48765°	60.37848°	51°29.259'	60°22.7088'	51°29'15.54"	60°22'42.528"	< 5
NMW.C.2016.003. Falkland.2015.103. AO	51.81028°	58.96257°	51°48.6168'	58°57.7542'	51°48'37.008"	58°57'45.252"	17
NMW.C.2016.003. Falkland.2015.104. AO	51.81574°	58.96501°	51°48.9444'	58°57.9006'	51°48'56.664"	58°57'54.036"	< 5
NMW.C.2016.003. Falkland.2015.115. AO	52.01246°	59.31651°	52°0.7476'	59°18.9906'	52°0'44.856"	59°18'59.436"	< 5
NMW.C.2016.003. Falkland.2015.117. AO	52.01257°	59.31220°	52°0.7542'	59°18.732'	52°0'45.252"	59°18'43.92"	< 5
NMW.C.2016.003. Falkland.2015.129. soil.AO	51.68769°	58.06420°	51°41.2614'	58°3.852'	51°41'15.684"	58°3'51.12"	103
NMW.C.2016.003. Falkland.2015.129. filalg.AO	51.68769°	58.06420°	51°41.2614'	58°3.852'	51°41'15.684"	58°3'51.12"	103
NMW.C.2016.003. Falkland.2015.1 mac	51.31336°	59.58729°	51°18.8016'	59°35.2374'	51°18'48.096"	59°35'14.244"	5
NMW.C.2016.003. Falkland.2015.2 soil	51.31336°	59.58729°	51°18.8016'	59°35.2374'	51°18'48.096"	59°35'14.244"	5

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NMW.C.2016.003. Falkland.2015.3 sand	51.311124°	59.54798°	51°18.6674'	59°32.8788'	51°18'40.046"	59°32'52.728"	5
NMW.C.2016.003. Falkland.2015.4 mac	51.311124°	59.54798°	51°18.6674'	59°32.8788'	51°18'40.046"	59°32'52.728"	5
NMW.C.2016.003. Falkland.2015.6 soil	51.30348°	59.54339°	51°18.209'	59°32.6034'	51°18'12.528"	59°32'36.204"	10
NMW.C.2016.003. Falkland.2015.8 soil	51.30848°	59.46503°	51°18.509'	59°27.9018'	51°18'30.528"	59°27'54.107"	23
NMW.C.2016.003. Falkland.2015.10 sed	51.30022°	59.60245°	51°18.013'	59°36.147'	51°18'0.792"	59°36'8.8194"	15
NMW.C.2016.003. Falkland.2015.11 filalg	51.27127°	59.61543°	51°16.276'	59° 36.926'	51°16'16.572'	59°36'55.548"	24
NMW.C.2016.003. Falkland.2015.12 soil	51.27127°	59.61543°	51°16.276'	59° 36.926'	51°16'16.572'	59°36'55.548"	24
NMW.C.2016.003. Falkland.2015.13 soil	51.27637°	59.63748°	51°16.582'	59°38.249'	51°16'34.932'	59°38'14.928"	29
NMW.C.2016.003. Falkland.2015.14 sed	51.27637°	59.63748°	51°16.582'	59°38.249'	51°16'34.932'	59°38'14.928"	29
NMW.C.2016.003. Falkland.2015.14 filalg.mac	51.27637°	59.63748°	51°16.582'	59°38.249'	51°16'34.932'	59°38'14.928"	29
NMW.C.2016.003. Falkland.2015.15 soil	51.270518°	59.669205°	51°16.2311'	59°40.1523'	51° 16' 13.865"	59° 40' 9.137"	20
NMW.C.2016.003. Falkland.2015.16m ac.sed	51.26953°	59.72748°	51°16.1718'	59°43.6488'	51°16'10.308"	59°43'38.927"	2
NMW.C.2016.003. Falkland.2015.17m ac	51.29613°	59.63603°	51°17.7678'	59°38.1618'	51°17'46.067"	59°38'9.707"	47
NMW.C.2016.003. Falkland.2015.18 bryo	51.28808°	59.62914°	51°17.2848'	59°37.7484'	51°17'17.088"	59°37'44.9034"	58
NMW.C.2016.003. Falkland.2015.18 sed	51.28808°	59.62914°	51°17.2848'	59°37.7484'	51°17'17.088"	59°37'44.9034"	58
NMW.C.2016.003. Falkland.2015.19 expbryo	51.61037°	59.52705°	51° 36.622'	59° 31.623'	51°36'37.332"	59°31'37.38"	19
NMW.C.2016.003. Falkland.2015.19 sto	51.61037°	59.52705°	51° 36.622'	59° 31.623'	51°36'37.332"	59°31'37.38"	19
NMW.C.2016.003. Falkland.2015.20 expbryo	51.61052°	59.52705°	51° 36.631'	59° 31.590'	51°36'37.872"	59°31'37.38"	19

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NMW.C.2016.003. Falkland.2015.21 bryo.mac	51.59899°	59.51146°	51°35.9394'	59°30.6876'	51°35'56.364"	59°30'41.2554"	19
NMW.C.2016.003. Falkland.2015.21 sed	51.59899°	59.51146°	51°35.9394'	59°30.6876'	51°35'56.364"	59°30'41.2554"	19
NMW.C.2016.003. Falkland.2015.21 soil	51.59899°	59.51146°	51°35.9394'	59°30.6876'	51°35'56.364"	59°30'41.2554"	19
NMW.C.2016.003. Falkland.2015.21 expbryo	51.59899°	59.51146°	51°35.9394'	59°30.6876'	51°35'56.364"	59°30'41.2554"	19
NMW.C.2016.003. Falkland.2015.22 filalg.mac	51.60346°	59.51441°	51°36.2076'	59°30.8646'	51°36'12.4554"	59°30'51.8754"	27
NMW.C.2016.003. Falkland.2015.22 sed	51.60346°	59.51441°	51°36.2076'	59°30.8646'	51°36'12.4554"	59°30'51.8754"	27
NMW.C.2016.003. Falkland.2015.23m ac	51.55963°	59.75698°	51° 33.578'	59° 45.419'	51°33'34.6674"	59°45'25.1274"	26
NMW.C.2016.003. Falkland.2015.24 soil	51.64427°	59.90237°	51° 38.656'	59° 54.142'	51°38'39.3714"	59°54'8.5314"	78
NMW.C.2016.003. Falkland.2015.25 sto	51.72692°	59.98462°	51° 43.615'	59° 59.077'	51°43'36.9114"	59°59'4.6314"	9
NMW.C.2016.003. Falkland.2015.25 bryo	51.72692°	59.98462°	51° 43.615'	59° 59.077'	51°43'36.9114"	59°59'4.6314"	9
NMW.C.2016.003. Falkland.2015.26m ac	51.834317°	59.961967°	51° 50.059'	59° 57.718'	51°50'3.541"	59°57'43.081"	33
NMW.C.2016.003. Falkland.2015.27m ac	51.858517°	59.97215°	51° 51.511'	59° 58.329'	51°51'30.6606"	59°58'19.7394"	51
NMW.C.2016.003. Falkland.2015.28m ac.bryo	51.83245°	59.10718°	51° 49.947'	59° 06.431'	51°49'56.82"	59°6'25.8474"	8
NMW.C.2016.003. Falkland.2015.28 expsed	51.83245°	59.10718°	51° 49.947'	59° 06.431'	51°49'56.82"	59°6'25.8474"	8
NMW.C.2016.003. Falkland.2015.29m ac	51.93705°	59.040433°	51° 56.223'	59° 02.426'	51°56'13.379"	59°2'25.559"	48
NMW.C.2016.003. Falkland.2015.30 soil	51.936733°	59.040417°	51° 56.204'	59° 02.425'	51°56'12.238"	59°2'25.501"	50
NMW.C.2016.003. Falkland.2015.30 expbryo	51.936733°	59.040417°	51° 56.204'	59° 02.425'	51°56'12.238"	59°2'25.501"	50
NMW.C.2016.003. Falkland.2015.31m ac.filalg.bryo	51.85778°	59.1327°	51° 51.467'	59° 07.962'	51°51'28.0074"	59°7'57.7194"	19

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NMW.C.2016.003. Falkland.2015.32 sto	51.74392°	58.28083°	51° 44.635'	58° 16.850'	51°44'38.112"	58°16'50.988"	19
NMW.C.2016.003. Falkland.2015.32 expbryo	51.74392°	58.28083°	51° 44.635'	58° 16.850'	51°44'38.112"	58°16'50.988"	19
NMW.C.2016.003. Falkland.2015.32 bryo	51.74392°	58.28083°	51° 44.635'	58° 16.850'	51°44'38.112"	58°16'50.988"	19
NMW.C.2016.003. Falkland.2015.33 soil	51.48042°	57.83300°	51°28.8252'	57°49.98'	51°28'49.512"	57°49'58.799"	8
NMW.C.2016.003. Falkland.2015.33 filalg	51.48042°	57.83300°	51°28.8252'	57°49.98'	51°28'49.512"	57°49'58.799"	8
NMW.C.2016.003. Falkland.2015.34 expsand	51.47442°	57.86162°	51° 28.465'	57° 51.697'	51°28'27.901"	57°51'41.821"	43
NMW.C.2016.003. Falkland.2015.35 bryo	51.4813°	57.88798°	51° 28.878'	57° 53.279'	51°28'52.6794"	57°53'16.7274"	67
NMW.C.2016.003. Falkland.2015.35 soil	51.4813°	57.88798°	51° 28.878'	57° 53.279'	51°28'52.6794"	57°53'16.7274"	67
NMW.C.2016.003. Falkland.2015.36 bryo	51.64788°	58.1671°	51° 38.873'	58° 10.026'	51°38'52.368"	58°10'1.5594"	16
NMW.C.2016.003. Falkland.2015.36 expbryo	51.64788°	58.1671°	51° 38.873'	58° 10.026'	51°38'52.368"	58°10'1.5594"	16
NMW.C.2016.003. Falkland.2015.37m ac	51.47642°	58.6434°	51° 28.585'	58° 38.604'	51°28'35.101"	58°38'36.239"	18
NMW.C.2016.003. Falkland.2015.38 bryo	51.38093°	58.49805°	51° 22.856'	58° 29.883'	51°22'51.3474"	58°29'52.9794"	20
NMW.C.2016.003. Falkland.2015.38 expbryo	51.38093°	58.49805°	51° 22.856'	58° 29.883'	51°22'51.3474"	58°29'52.9794"	20
NMW.C.2016.003. Falkland.2015.39 sed	51.38775°	58.52007°	51° 23.265'	58° 31.204'	51°23'15.8994"	58°31'12.241"	49