Supplementary Material 1: Start and end points of surveys at all sampled locations and their individual sampling sites. Presence of aquaculture at individual sites is marked by absence, close (< 500 m distance) and far (> 500 m distance). Sites that had been included in surveys by Kochmann *et al.* (2013) and Guy and Roberts (2010) and which have been revisited during the present study are marked with an asterisk.

|   | Location | Sampling station | GPS start | GPS end | Aquaculture present | sites revisited |
| --- | --- | --- | --- | --- | --- | --- |
| Northern Ireland | Belfast Lough | Kilroot Power Station | 54°43'02.7'' -5°47'53.1''  | 54°43'17'' -5°46'36.3'' | Absent |   |
| Belfast Lough | Lobster Rock | 54°39'40.7'' -5°47'57.1''  | 54°39'47.7'' -5°47'15.7'' | Absent |  |
| Belfast Lough | Newtownabbey Boat Club | 54°40'49.7'' -5°52'59.1''  | 54°40'22.5'' -5°53'38.9'' | Absent |  |
| Belfast Lough | Pump Point | 54°39'1.4'' -5°49'23.9''  | 54°39'28.6'' -5°48'34.7'' | Absent |  |
| East coast | Dundrum Bay | 54°15'55.40'' -5°49'7.91" | 54°15'27.48''-5°49'46.38'' | Close |  |
| East coast | Killough | 54°15'6.72" -5°38'20.28"  | 54°15'26.04'' -5°37'59.76" | Close |  |
| Larne Lough | Ballydowan | 54°49'47.8'' -5°45'45.3''  | 54°50'10.8'' -5°46'25.2'' | Far |  |
| Larne Lough | Island Bridge | 54°46'40.9'' -5°43'14.5'' | 54°47'3.4'' -5°43'8.2'' | Far |  |
| Larne Lough | Magheramorne Storage Depot | 54°49'09.8'' -5°46'58.4''  | 54°49'01.85'' -5°46'24.64'' | Far |  |
| Strangford Lough | Drum Hill | 54°31'09.8'' -5°38'59.8'' | 54°31'05.2'' -5°38'59.8'' | Far | \* |
| Strangford Lough | Greyabbey | 54°31'33.0'' -5°34'12.6'' | 54°32'7.72" -5°34'11.09" | Absent | \* |
| Strangford Lough | Kircubbin | 54°30'08.7'' -5°32'48''  | 54°30'23.9'' -5°33'7.8'' | Absent | \* |
| Strangford Lough | Paddy’s Point | 54°31'12.9'' -5°39'10.4'' | 54°31'20'' -5°39'16'' | Close | \* |
| Strangford Lough | Women's Rock | 54°28'42.9'' -5°33'55.9'' | 54°28'40.32" -5°34'0.96" | Absent | \* |
| Border between Ireland and Northern Ireland | Carlingford Lough | Ballagan Point | 54°0'54.72'' -6°7'16.26'' | 54°1'7.62'' -6°7'31.98'' | Close |   |
| Carlingford Lough | Ballyedmund | 54°3'46.02'' -6°08'50.10'' | 54°03'52.20'' -6°09'19.08'' | Close |  |
| Carlingford Lough | Cranfield Point | 54°01'45'' -6°4'59.16'' | 54°01'54.78'' -6°05'24.12'' | Close |  |
| Carlingford Lough | Greenore Point | 54°01'48.72'' -6°9'22.50'' | 54°02'18.66'' -6°09'37.92'' | Close |  |
| Carlingford Lough | Old Marina | 54°2'32.31'' -6°10'48.73'' | 54°02'32.58'' -6°10'29.22'' | Close |  |
| Lough Foyle | Balls Point | 55°07'31.4'' -7°00'0.9'' | 55° 8'11.54" -7° 2'11.45" | Absent | \* |
| Lough Foyle | Longfield | 55°03'26.4'' -7°08'53.6'' | 55°03'51.5'' -7°08'54'' | Absent | \* |
| Lough Foyle | Moville | 55°11'13.7'' -7°02'49.4'' | 55°11'11.21" -7° 2'58.58" | Absent | \* |
| Lough Foyle | Muff | 55°05'34,4'' -7°13'44.9'' | 55°05'39.7'' -7°13'29.8'' | Close | \* |
| Ireland | Connemara | Letterfrack | 53°33'1.14" -9°58'7.11"  | 53°33'14.10" -9°58'29.52" | Close | \* |
| Galway | Ballynacourty | 53°12'34.62" -8°57'31.92" | 53°12'32.28" -8°56'55.80" | Absent | \* |
| Galway | Ballyvelaghan | 53° 9'22.08" -9° 4'31.98" | 53° 9'27.12" -9° 3'58.92" | Close | \* |
| Galway | Dunbulcaun | 53°11'50.10" -8°56'27.18" | 53°11'36.12" -8°57'4.62" | Close | \* |
| Galway | Finvarra | 53° 8'55.32" -9° 6'32.22" | 53° 8'36.36" -9° 6'2.34" | Close | \* |
| Galway | Parkmore | 53°10'17.52" -8°58'8.46" | 53° 9'55.62" -8°57'50.70" | Absent | \* |
| Lough Swilly | Ballybeagly | 55°00'30.1'' -7°33'57.4'' | 55° 1'8.01" -7°32'53.30" | Absent | \* |
| Lough Swilly | Inch Island Pier | 55°05'06.2'' -7°29'41.9'' | 55° 5' 2.37" -7° 30' 47.20" | Absent | \* |
| Lough Swilly | Rathmelton I | 55°01'13.8'' -7°34'57'' | 55°01'04.8'' -7°35'03.9''  | Absent | \* |
| Lough Swilly | Rathmelton II | 55°02'35.5''-7°33'33.8'' | 55° 2'31.44" -7°33'35.57" | Absent | \* |
| Shannon Estuary | Glin | 52°35'08.2"-9°14'51.0" | 52°35'27.2'' -9°14'29.6'' | Absent | \* |
| Shannon Estuary | Loghill | 52°36'23.4" -9°09'29.3" | 52°36'16.1'' -9°10'13.7'' | Absent | \* |
| Shannon Estuary | Tarbert Ferry Pier | 52°34'41.3" -9°22'00.9" | 52°35'12.1'' -9°21'39.2'' | Absent | \* |
| Tralee Bay | Black Rock Spa | 52°16'22.6" -9°48'40.0" | 52°16'17.8'' -9°48'17'' | Absent | \* |