

MOSES project: Maritime, Ocean Sector and Ecosystem Sustainability

Work Package 6: assessing the vulnerability of marine and coastal ecosystems

Action 1: Data gathering and compilation of indicators Database description

J. Fernández-Macho, P. González and J. Virto

Version 1.0: July 2019



Work Package 6: assessing the vulnerability of marine and coastal ecosystems

Action 1: Data gathering and compilation of indicators Database description

J. Fernández-Macho, P. González and J. Virto

Institute for Public Economics and Dpt. of Econometrics and Statistics
University of the Basque Country (UPV/EHU)
Lehendakari Agirre 83
48015 BILBAO

Final Report

Distribution authorized to members of MOSES consortium. Other requests should be referred to the first author.

Abstract: MOSES project Work Package 6 (WP6: Identify and assess vulnerability) has as its main objective to assess the vulnerability of marine and coastal ecosystems to sectoral pressures from a socio-economic point of view. To do this, WP6 proposes the use of appropriate statistical tools to construct a synthetic index of vulnerability with which to rank European Atlantic Arc countries and regions up to NUTS3 Eurostat geographical level.

This report shows the variables used, as well as their basic indicators and sources. The full database can be seen in the appendix.

Disclaimer: The contents of this report are not to be used for advertising, publication, or promotional purposes. Citation of trade names does not constitute an official endorsement or approval of the use of such commercial products. All product names and trademarks cited are the property of their respective owners. The findings of this report are not to be construed as an official University of the Basque Country (UPV/EHU) position unless so designated by other authorized documents.

DESTROY THIS REPORT WHEN NO LONGER NEEDED. DO NOT RETURN IT TO THE ORIGINATOR.

Table of Contents

List of Tables	iv
Preface	v
1 Vector 1: marine spill risk	1
1.1 Data sources and raw indicators	1
2 Vector 2: port facilities impact	2
2.1 Data sources	2
2.2 Raw indicators	2
3 Vector 3: coastal activities and tourism	4
3.1 Data sources	4
3.2 Raw indicators	5
4 Vector 4: protection of coastal areas	7
4.1 Data sources	7
4.2 Raw indicators	7
5 Vector 5: bathing water quality	9
5.1 Data sources	9
5.2 Raw indicators	9
References	11
Appendix A: Moses vulnerability index database	12

List of Tables

Table A1. Moses vulnerability index database 13

Preface

MOSES project Work Package 6 (WP6: Identify and assess vulnerability) has as its main objective to assess the vulnerability of marine and coastal ecosystems to sectoral pressures from a socio-economic point of view. The lead partner for WP6 is the *Institute of Public Economics, University of the Basque Country (UPV/EHU)*.

In what follows we will implicitly assume that coastal vulnerability is defined as: “Degree to which coastal areas are susceptible to: damage or degradation due to environmental conditions and impacts caused by sectoral pressures from marine/maritime activities related to maritime transportation, port facilities and coastal socio-economic activities.”

WP6 contemplates five (5) vectors of interest with different basic indicators. Namely,

Vector 1: marine spill risk... It aims to identify spill locations in Atlantic European waters and construct marine spill risk index for European Atlantic coastal territories.

Vector 2: port facilities impact... It contemplates the assessment of vulnerability due to passengers and goods transportation and covers indicators related to sustainability awareness (energy efficiency, land use, etc.).

Vector 3: coastal activities and tourism... It covers indicators related to demographic pressure, tourism and recreation, economic development and land use and infrastructure development.

Vector 4: protection of coastal areas... It is related to EU SCIs (Coastal Sites of Community Importance).

Vector 5: bathing water quality... it assesses Bathing water quality from indicators such as Atlantic European blue flag beaches, waste disposal, etc..

Base year for the index is 2017, but data were collected from 2014 through 2017 (except for Vector 1 which is based on all recorded historical spills in European waters from 1970 to 2014 provided by ITOPF) so that some time series analysis can be carried out in the future.

1 Vector 1: marine spill risk

In the construction of Vector 1 marine spill risk values for MOSES coastal NUTS₃ regions were obtained from Fernández-Macho (2016) where a method for the evaluation of marine spill risks is proposed and applied to all European coastal territories. The method uses tools of geographic information systems and computer modelling to simulate the effect of spills at sea. The modelling considers the size of the spill, its distance from the coast, the shape and length of coast that would be affected and the direction and speed of the ocean currents. It was applied to all recorded historical spills in European waters from 1970 to 2014 (ITOPF, 2015) for 429 Eurostat territorial units in 156 European coastal regions.

1.1 Data sources and raw indicators

The data collected from ITOPF web site for the original data base registered the following information: "Latitude", "Longitude", "Incident Date", "Incident Month", "Incident Day", "Incident Year", "Substance Spilt", "Vessel Type", "Ship Name", "Spill Size (barrels)", "Spill Size (gallons)", "Spill Size (tonnes)", "Cause", and "Location". For example, the entry for the 2002 Prestige spill off the coast of Galicia in North-West Spain looks like this: 42.250158, -12.136019, "11/13/2002", 11, 13, 2002, "Bunker, Fuel (Cargo)", "Tanker", "PRESTIGE", , , 62657, "Hull failure", "Off Cap Finistere, Spain".

Unfortunately, the original source contained data until 2014 only and ITOPF appears to have canceled that page since. A final turn to the possibility of finding data on spills in European seas from 2015 was pursued with no success, which may suggest that no important events have occurred since. The main sites unsuccessfully contacted to request information about spills at sea were these: <https://www.marinetraffic.com>, <https://www.espo.be/>, <http://www.itopf.org/>, <https://eoportal.eumetsat.int/>, <https://scihub.copernicus.eu/>, <http://www.emsa.europa.eu/>, <https://incidentnews.noaa.gov/>. As pointed out, nevertheless, this lack of information may as well mean the absence of major spill incidents in Atlantic European waters in recent years.

2 Vector 2: port facilities impact

Shipping has an environmental impact both in ports, as well as in the immediate vicinity of the ports. This vector tries to capture the impact of the port activity on vulnerability. Vector 2 indicators have been obtained from Eurostat and EcoPorts, a environmental initiative of the European port sector fully integrated into the European Sea Ports Organisation (ESPO) since 2011.

2.1 Data sources

1. List of ports (Eurostat).
<https://ec.europa.eu/eurostat/documents/345175/6807882/Ttypologies+and+local+information+corresponding+to+NUTS3.xls>
2. EcoPorts: <https://www.ecoport.com/network>
3. *GISCO Ports 2013 dataset* (Eurostat).
https://ec.europa.eu/eurostat/cache/GISCO/geodatafiles/PORT_2013_SH.zip
4. Gross weight of goods handled in all ports by direction - annual data (Eurostat).
http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=mar_go_aa&lang=en
5. Passengers embarked and disembarked in all ports by direction - annual data (Eurostat).
http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=mar_pa_aa&lang=en

2.2 Raw indicators

- v2.01.pt:** Total number of ports in the region (Eurostat, source: 1).
- v2.02.pmP:** Number of main passenger ports, handling more than 200 000 passengers annually (Eurostat, source: 5).
- v2.03.pmG:** Number of main good ports, handling more than 1 million tonnes of goods annually (Eurostat, source: 4).

- v2.04.pMT:** Number of main ports (Eurostat, source: source:s 4 and 5).
- v2.05.pEco:** Number of EcoPorts members in the region (EcoPorts, source: 2).
- v2.06.pPers:** Number of Port Environmental Review System (PERS) certified ports in the region (EcoPorts, source: 2).
- v2.07.pArea:** Total area of ports in the region (km^2), own preparation based on Eurostat maps (Eurostat, source: 3).
- v2.08.pGood:** Gross weight of goods (thousand tonnes) handled in all ports in the region (Eurostat, source: 4).
- v2.09.pPasT:** Thousand passengers embarked and disembarked in all ports (Eurostat, source: 5).
- v2.10.pPasR:** Thousand passengers excluding cruise passengers embarked and disembarked in all ports (Eurostat, source: 5).
- v2.11.pPasC:** Thousand cruise passengers embarked and disembarked in all ports (Eurostat, source: 5).

3 Vector 3: coastal activities and tourism

This vector captures the impact of human coastal activities on vulnerability. In this framework, we are particularly interested in the tourism sector, which is one of the main economic activities in the coast.

Tourism is an important economic sector due to its contribution to GDP and employment. According to the World Travel & Tourism Council, Tourism generates 10.4% of all global economic activity. It contributes 319 million jobs, representing one in ten of all jobs globally. It is a sector that has been growing faster than the global economy for the last eight years. Europe plays an important role in this sector with 51% of international tourists arrivals and 39% of international tourist revenues. Taking into account the countries included in the European Atlantic Arc, it is worth pointing out that France and Spain are first and second, respectively, in the world ranking of international tourist arrivals, with United Kingdom in the seventh position. With respect to international tourism revenues, Spain and France are second and third in the world ranking, respectively, while United Kingdom occupies the fifth position. Coastal tourism contributes significantly in these countries. It represents 75.6% of total tourism in Spain, 28% in Portugal, 23% in France, 10% in Ireland and 6% in the United Kingdom (Foley et al., 2014, p.204).

3.1 Data sources

- **Arrivals.** NUTS 2.

Arrivals in all accommodations and arrivals in hotels

EUROSTAT [*tour_occ_arn2*]

http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=tour_occ_arn2&lang=en

- **Overnights.** NUTS 2.

Overnights in all accommodations and arrivals in hotels

EUROSTAT [*tour_occ_nin2*]

http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=tour_occ_nin2&lang=en

- **Bedplaces and Establishments.** NUTS 2.

Bedplaces and Establishments in all accommodations and arrivals in hotels

EUROSTAT [*tour_cap_nuts2*]

http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=tour_cap_nuts2&lang=en

- **Establishments and Employment. NUTS 2**

Local units and employment for Accomodation (55) and Food and Beverage (56).

EUROSTAT [*sbs_r_nuts06_r2*]

http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=sbs_r_nuts06_r2&lang=en

These raw indicators are distributed to NUTS3 level 2016 using the variable

Employment in sectors G-I. NUTS3

EUROSTAT [*nama_10r_3empers*]

http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=nama_10r_3empers&lang=en

Missing data for Spain, year 2017, have been estimated using the information in the INE (Spanish Institute of Statistics).

3.2 Raw indicators

In order to compute the impact of the tourism activity, we have considered indicators both from the demand and the supply side:

V3.01 Arrivals in all accomodations,

V3.04 Arrivals in hotels,

V3.07 Overnights in all accomodations,

V3.10 Overnights in hotels,

V3.21 Bedplaces in all accomodations,

V3.22 Bedplaces in hotels,

V3.25 Establishments in all accomodations,

V3.26 Establishments in hotels,

V3.44 Food and Beverage establishments.

The data source is Eurostat. Data on Arrivals, Overnights, Bedplaces and Establishments have been obtained from the Tourism Statistics. Data on Establishments for Food and Beverage sector and Employment for the Accommodation and Food and Beverage sectors come from the Small Business Structural Statistics (see Section 3.1 for more details).

Both data sources provide information at NUTS2 level, versions 2013 and 2016 depending on the years. We have used in this study the NUTS3 2016 version, therefore

- We have disaggregated the data from NUTS2 level to NUTS3 level using the variable Employment at G-I sectors (Trade, Transport and Hospitality) available at Eurostat.
- We have estimated the values of the indicators at NUTS3 version 2016 using the information available at version 2013. This has only been necessary for Ireland and North Ireland where the regional breakdown into NUTS3 regions has changed.

4 Vector 4: protection of coastal areas

Natura 2000 is the largest coordinated network of protected areas in the world. The aim of the network is to ensure the long-term survival of Europe's most valuable and threatened species and habitats, listed under both the Birds Directive and the Habitats Directive. This vector tries to capture the effect of the Natura 2000 network on maintaining the resilience of ecosystems, especially in the marine environment.

4.1 Data sources

The annual information on the sites is obtained from the Commission. In order to reflect the changes proposed by the Member States in the list of Sites of Community Importance (SCIs) and to ensure that all new sites have a clearly defined legal status, the Commission proceeds to an annual update of the Union lists which is published in the Official Journal of the European Union. Vector four data have been obtained from the Official Journal of the European Union (2015-2017), from the European database on Natura 2000 sites (updated until 2017) and finally from the national websites on Natura 2000 sites in the countries belonging to MOSES.

1. Official Journal of the European Union.
2. The European database on Natura 2000 sites. <https://www.eea.europa.eu/data-and-maps/data/natura-9/natura-2000-tabular-data-12-tables/natura-2000-comma-separated-values-files>
3. MOSES States' webpages:
 - <http://www.magrama.gob.es/es/biodiversidad/temas/espacios-protegidos>
 - <https://inpn.mnhn.fr/site/natura2000/listeSites>
 - <https://www.npws.ie/protected-sites>
 - <http://www2.icnf.pt/portal/pn/biodiversidade/rn2000/rn-pt>
 - <http://jncc.defra.gov.uk>

4.2 Raw indicators

v4.01.n2tn: Number of sites of Community importance (SCI) in the region in the year.

v4.02.n2ts: Total area of the SCIs in the region in the year.

v4.03.n2mn: Number of SCIs **considered marine** in the region in the year.

v4.04.n2ms: Total **marine** area of the SCIs in the region in the year.

5 Vector 5: bathing water quality

This vector uses information from two European directives: the Bathing Water Directive (76/160/EEC, 2006/7/EC) which aims “to preserve, protect and improve the quality of the environment and to protect human health” and the Waste Framework Directive (75/442/EEC , 2008/98/EC) whose essential objective is “the protection of human health and the environment against harmful effects caused by the collection, transport, treatment, storage and tipping of waste”.

5.1 Data sources

The bathing water indicators describe the changes over time in the quality of identified bathing waters (inland and coastal) in EU in terms of compliance with standards for parameters introduced by the EU Bathing Water Directive (76/160/EEC), as well as in terms of meeting standards for parameters introduced by the New Bathing Water Directive (2006/7/EC). The indicators also show bathing water quality results in the European countries and European sea regions. The indicators are based on the annual reports made by Member States. The indicators have been filtered for the MOSES regions and marine category. The waste generation and treatment indicators have been obtained from Eurostat at NUTS2 level and we have disaggregated the data at NUTS3 level using the population of the regions available at Eurostat.

1. Bathing Water Directive - Status of bathing water provided by Directorate-General for Environment (DG ENV) , European Environment Agency (EEA).

https://www.eea.europa.eu/ds_resolveuid/48fddfe788684c9d88ae47630f1e9e9e

2. Eurostat: Recovery and disposal facilities (NUTS2): Number and capacity of recovery and disposal facilities by NUTS 2 regions.

http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=env_wasfac&lang=en

5.2 Raw indicators

Bathing Waters: Source 1.

v5.01.bwt: Total of Marine Bathing Places (MBP) in the region.

v5.02.bwe: MBP with **Excellent** water quality.

v5.03.bwg: MBP with **Good** water quality.

v5.04.bws: MBP with **Sufficient** water quality.

v5.05.bwp: MBP with **Poor** water quality.

Waste generation and treatment: Source 2.

v5.06.Wif: Disposal incineration facilities.

v5.07.Wdf: Disposal landfill facilities.

v5.08.Wef: Energy recovery facilities.

v5.09.Wref: Recovery recycling facilities.

References

- Fernández-Macho, J., 2016. Risk assessment for marine spills along european coastlines. *Marine Pollution Bulletin* 113, 200–210. doi:10.1016/j.marpolbul.2016.09.015.
- Foley, N., Corless, R., Escapa, M., Fahy, F., Fernandez-Macho, J., Gabriel, S., Gonzalez, P., Hynes, S., Kalaydjian, R., Moreira, S., Moylan, K., Murillas, A., O'Brien, M., Simpson, K., Tinch., D., 2014. Developing a comparative marine socio-economic framework for the European Atlantic area. *Journal of Ocean and Coastal Economics* 1, Article 3. doi:10.15351/2373-8456.1007.
- ITOPF, 2015. Oil tanker spill statistics. <http://www.itopf.com>.

Appendix A: Moses vulnerability index database

Table A1. Moses vulnerability index database

	V1.01	V1.02	V2.01	V2.02	V2.03	V2.04	V2.05	V2.06	V2.07	V2.08	V2.09	V2.10	V2.11	V3.01	V3.04	V3.07	V3.10	V3.21	V3.22	V3.25	V3.26	V3.44	V4.01	V4.02	V4.03	V4.04	V5.02	V5.03	V5.04	V5.05	V5.06	V5.07	V5.08	V5.09
ES111	6.94	6.60	7	2	2	2	1	0	4.82	28612	1	0	1	5122764	4490204	10693873	8801504	135860	80370	3031	2080	19560	17	62827	11	17454	164	28	13	4	0	21	9	381
ES112	3.39	4.42	4	0	0	0	0	0	3.76	0	0	0	0	5122764	4490204	10693873	8801504	135860	80370	3031	2080	19560	17	153476	5	564	41	2	2	0	0	21	9	381
ES113	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	5122764	4490204	10693873	8801504	135860	80370	3031	2080	19560	9	118425	0	0	0	0	0	0	0	21	9	381
ES114	7.77	7.29	6	2	3	3	2	1	4.10	7159	2	0	2	5122764	4490204	10693873	8801504	135860	80370	3031	2080	19560	17	39907	8	11167	163	8	5	1	0	21	9	381
ES120	4.03	3.53	3	2	2	2	0	0	3.31	26350	0	0	0	2338078	1759669	5678417	3577385	81923	30941	2938	775	7486	48	305120	7	19838	54	11	4	2	2	14	3	58
ES130	1.95	2.34	3	1	1	1	1	0	5.62	5346	201	201	0	1936458	1216839	5323145	2810713	75384	23411	1395	532	4007	21	137557	0	33	3	3	0	0	0	2	3	63
ES211	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	3647237	2990647	7578408	5784833	54745	30063	1181	609	13662	22	65582	0	0	0	0	0	0	0	8	4	59
ES212	0.83	0.78	2	1	1	1	0	0	1.36	2671	0	0	0	3647237	2990647	7578408	5784833	54745	30063	1181	609	13662	18	43582	0	0	20	3	0	0	0	8	4	59
ES213	0.49	0.90	4	1	2	2	0	0	5.74	32801	109	103	6	3647237	2990647	7578408	5784833	54745	30063	1181	609	13662	12	37977	2	404	26	5	1	0	0	8	4	59
ES220	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	1447881	1021132	3125413	1901683	38395	13623	1639	337	3130	40	260148	0	0	0	0	0	0	0	10	3	74
ES612	8.60	5.14	8	2	3	3	1	1	12.90	87067	5548	5546	2	22266485	18429691	68717603	52561186	518965	320241	7492	3135	50262	39	329748	11	44449	79	1	1	1	20	90	9	426
ES615	0.63	0.83	1	1	1	1	1	1	0.26	32177	38	38	0	22266485	18429691	68717603	52561186	518965	320241	7492	3135	50262	30	446689	4	4907	45	1	0	0	20	90	9	426
ES618	0.00	0.00	1	0	1	1	0	0	0.00	4192	13	0	13	22266485	18429691	68717603	52561186	518965	320241	7492	3135	50262	17	211409	0	0	0	0	0	0	20	90	9	426
ES703	0.14	0.78	1	0	0	0	0	0	0.04	0	0	0	0	13875409	9775187	104382580	71017213	420988	248019	2350	569	16003	9	22241	1	9898	4	0	0	0	0	9	0	19
ES704	0.15	0.45	3	2	2	2	0	0	0.32	169	0	0	0	13875409	9775187	104382580	71017213	420988	248019	2350	569	16003	13	49227	3	14435	31	0	1	0	0	9	0	19
ES705	0.71	0.78	3	2	2	2	0	0	3.23	20693	1765	1332	433	13875409	9775187	104382580	71017213	420988	248019	2350	569	16003	38	117255	8	51991	65	0	1	0	0	9	0	19
ES706	1.36	0.78	1	0	0	0	0	0	0.11	0	0	0	0	13875409	9775187	104382580	71017213	420988	248019	2350	569	16003	27	32130	2	14300	12	0	0	0	0	9	0	19
ES707	0.15	0.47	1	0	0	0	0	0	0.23	0	0	0	0	13875409	9775187	104382580	71017213	420988	248019	2350	569	16003	32	46745	2	10531	8	0	0	0	0	9	0	19
ES708	0.00	0.00	2	1	1	1	0	0	0.41	132	0	0	0	13875409	9775187	104382580	71017213	420988	248019	2350	569	16003	11	30186	4	3305	37	0	0	0	0	9	0	19
ES709	1.67	1.19	2	1	1	1	0	0	2.38	10251	5058	4920	138	13875409	9775187	104382580	71017213	420988	248019	2350	569	16003	47	165431	7	74642	54	1	0	0	0	9	0	19
FRD11	4.41	3.52	4	1	1	1	0	0	0.63	1779	919	919	0	4359409	2980409	9359302	4789547	118999	31318	819	521	5528	16	71173	3	51867	16	18	2	1	1	39	0	44
FRD12	3.20	3.86	4	1	1	1	0	0	4.12	931	622	620	2	4359409	2980409	9359302	4789547	118999	31318	819	521	5528	16	222488	12	186487	63	16	9	4	1	39	0	44
FRD13	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	4359409	2980409	9359302	4789547	118999	31318	819	521	5528	17	58450	0	0	0	0	0	1	39	0	44	
FRD21	4.16	5.47	2	0	0	0	0	0	0.00	0	0	0	0	2649875	2012854	5068017	3079078	51310	20064	422	304	6271	14	20236	0	0	0	0	0	0	1	23	2	39
FRD22	3.77	4.56	11	2	3	3	2	1	5.12	87517	534	520	14	2649875	2012854	5068017	3079078	51310	20064	422	304	6271	15	23162	2	4388	12	9	2	0	1	23	2	39
FRG01	4.17	4.25	7	0	1	1	1	1	3.61	29307	0	0	0	7698749	4516286	23050909	7140199	334473	48912	1560	766	12545	11	140643	6	88377	56	17	1	0	0	78	5	61
FRG02	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	7698749	4516286	23050909	7140199	334473	48912	1560	766	12545	8	30919	0	0	0	0	0	0	0	78	5	61
FRG03	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	7698749	4516286	23050909	7140199	334473	48912	1560	766	12545	4	17863	0	0	0	0	0	0	0	78	5	61
FRG04	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	7698749	4516286	23050909	7140199	334473	48912	1560	766	12545	11	34726	0	0	0	0	0	0	0	78	5	61
FRG05	3.93	3.30	2	0	1	1	0	0	1.23	914	0	0	0	7698749	4516286	23050909	7140199	334473	48912	1560	766	12545	10	129679	8	49926	71	3	1	0	0	78	5	61
FRH01	3.76	5.17	8	0	0	0	0	0	0.60	56	0	0	0	7810467	4645329	23216369	7942781	374026	54900	1882	970	14390	12	248611	5	232016	87	28	5	1	4	129	6	82
FRH02	6.82	5.66	9	2	1	2	0	0	5.06	2551	506	506	0	7810467	4645329	23216369	7942781	374026	54900	1882	970	14390	24	338601	16	300887	192	47	18	7	4	129	6	82
FRH03	1.67	2.66	1	1	1	1	0	0	1.71	1113	752	750	2	7810467	4645329	23216369	7942781	374026	54900	1882	970	14390	7	47643	3	40284	36	7	0	0	4	129	6	82
FRH04	4.16	4.39	4	0	1	1	1	1	1.75	2226	0	0	0	7810467	4645329	23216369	7942781	374026	54900	1882	970	14390	14	122488	9	86634	119	12	1	2	4	129	6	82
FRI11	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	10635105	5778694	35127899	9859032	526756	65794	2233	1154	15779	19	34052	0	0	0	0	0	0	2	68	4	64
FRI12	0.31	0.78	8	0	1	1	0	0	1.01	7019	1	0	1	10635105	5778694	35127899	9859032	526756	65794	2233	1154	15779	37	259941	5	169002	42	1	0	5	2	68	4	64
FRI13	0.83	0.78	0	0	0	0	0	0	0.55	0	0	0	0	10635105	5778694	35127899	9859032	526756	65794	2233	1154	15779	20	59350	4	117	43	1	0	0	2	68	4	64
FRI14	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	10635105	5778694	35127899	9859032	526756	65794	2233	1154	15779	11	3887	0	0	0	0	0	0	2	68	4	64
FRI15	0.83	0.78	2	0	1	1	0	0	0.84	2364	0	0	0	10635105	5778694	35127899	9859032	526756	65794	2233	1154	15779	31	168339	5	9861	31	3	0	0	2	68	4	64
FRI31	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	5159594	3152113	15796296	4986260	227928	32828	1046	526	6427	12	23675	0	0	0	0	0	0	2	63	1	58
FRI32	1.59	1.55	6	0	1	1	1	0	2.48	9270	0	0	0	5159594	3152113	15796296	4986260	227928	32828	1046	526	6427	24	668228	9	500830	79	9	0	2	2	63	1	58
FRI33	0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	5159594	3152113	15796296	4986260	227928	32828	1046	526	6427	9	18984	0	0	0	0						

Table A1 – Continued from previous page

	V1.01	V1.02	V2.01	V2.02	V2.03	V2.04	V2.05	V2.06	V2.07	V2.08	V2.09	V2.10	V2.11	V3.01	V3.04	V3.07	V3.10	V3.21	V3.22	V3.25	V3.26	V3.44	V4.01	V4.02	V4.03	V4.04	V5.02	V5.03	V5.04	V5.05	V5.06	V5.07	V5.08	V5.09	
IE041	0.27	0.72	2	0	0	0	0	0.00	47	0	0	0	0	892527	840364	2360857	2058578	17108	13329	364	266	3366	69	180843	30	53315	17	6	1	0	0	4	2	31	
IE042	1.06	1.22	1	0	1	1	0	0.00	604	0	0	0	0	1000427	941958	2646267	2307444	19176	14941	408	298	3366	140	426357	43	150654	23	3	2	2	0	4	2	31	
IE051	3.85	4.30	5	0	1	1	1	1.05	11283	0	0	0	0	869111	792497	2654115	2218582	16373	12138	225	170	5902	57	140082	7	82335	8	0	0	0	3	5	7	81	
IE052	2.60	3.12	4	1	3	3	0	1.04	4129	844	844	0	0	882625	804820	2695384	2253079	16628	12327	229	173	5902	30	99750	19	68328	12	1	1	0	3	5	7	81	
IE053	4.51	4.22	15	1	3	3	1	1	2.69	9996	83	83	0	1380273	1258600	4215116	3523427	26003	19277	358	270	5902	53	254125	32	109673	22	3	3	0	3	5	7	81	
IE061	4.69	3.66	3	2	2	2	1	1	4.66	24996	1847	1843	5	3641483	3320480	11120457	9295621	68603	50856	944	713	6986	14	68463	10	34151	3	2	5	5	2	11	7	93	
IE062	5.65	5.33	6	0	2	2	0	0	0.58	2294	0	0	0	1178072	1074223	3597628	3007267	22194	16453	305	231	6986	25	15255	9	7302	9	2	0	0	2	11	7	93	
IE063	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	700920	659955	1854029	1616643	13435	10468	286	209	6986	36	28663	0	0	0	0	0	0	2	11	7	93	
PT111	7.40	6.94	1	0	1	1	0	1.67	412	0	0	0	0	5124600	4241806	9872573	7864476	102524	52372	1297	588	26353	6	111181	1	929	13	0	0	0	0	13	2	35	
PT112	7.49	7.03	0	0	0	0	0	0.00	0	0	0	0	0	5124600	4241806	9872573	7864476	102524	52372	1297	588	26353	0	0	0	0	6	0	0	0	0	13	2	35	
PT119	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	5124600	4241806	9872573	7864476	102524	52372	1297	588	26353	0	0	0	0	0	0	0	0	0	13	2	35	
PT11A	6.33	6.33	3	0	1	1	0	1.27	18080	1	0	1	0	5124600	4241806	9872573	7864476	102524	52372	1297	588	26353	3	31606	0	0	60	0	0	1	0	13	2	35	
PT11B	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	5124600	4241806	9872573	7864476	102524	52372	1297	588	26353	1	58784	0	0	0	0	0	0	0	13	2	35	
PT11C	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	5124600	4241806	9872573	7864476	102524	52372	1297	588	26353	2	53366	0	0	0	0	0	0	0	13	2	35	
PT11D	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	5124600	4241806	9872573	7864476	102524	52372	1297	588	26353	3	176733	0	0	0	0	0	0	0	13	2	35	
PT11E	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	5124600	4241806	9872573	7864476	102524	52372	1297	588	26353	4	21348	0	0	0	0	0	0	0	13	2	35	
PT150	2.50	2.68	5	0	0	0	0	1.12	85	1	0	1	0	4438209	3860472	22209935	19444616	165622	126051	745	488	7126	9	205479	0	0	106	1	0	0	0	2	1	10	
PT16B	1.07	2.26	1	0	0	0	0	0.72	0	0	0	0	0	4177108	3314998	8185435	5991312	132351	51018	1145	559	16724	4	28844	2	13878	42	0	1	0	5	7	4	69	
PT16D	5.42	5.42	1	0	1	1	0	1.38	5153	0	0	0	0	4177108	3314998	8185435	5991312	132351	51018	1145	559	16724	3	56426	2	2518	15	0	1	0	5	7	4	69	
PT16E	4.36	4.36	1	0	1	1	0	0.97	2023	0	0	0	0	4177108	3314998	8185435	5991312	132351	51018	1145	559	16724	4	43255	0	0	14	1	0	1	5	7	4	69	
PT16F	3.02	3.02	0	0	0	0	0	0.00	0	0	0	0	0	4177108	3314998	8185435	5991312	132351	51018	1145	559	16724	2	15294	0	0	7	0	0	0	5	7	4	69	
PT16G	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	4177108	3314998	8185435	5991312	132351	51018	1145	559	16724	1	23	0	0	0	0	0	0	5	7	4	69	
PT16H	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	4177108	3314998	8185435	5991312	132351	51018	1145	559	16724	0	0	0	0	0	0	0	0	5	7	4	69	
PT16I	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	4177108	3314998	8185435	5991312	132351	51018	1145	559	16724	1	44227	0	0	0	0	0	0	5	7	4	69	
PT16J	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	4177108	3314998	8185435	5991312	132351	51018	1145	559	16724	3	173628	0	0	0	0	0	0	5	7	4	69	
PT170	2.99	2.99	6	0	2	2	1	0	6.34	17739	59	0	59	7222793	6161399	18225519	14973610	115807	72913	836	434	22765	4	99959	1	5513	54	5	0	0	0	4	4	39	
PT181	3.48	3.12	1	0	1	1	0	2.77	46473	0	0	0	0	1652560	1058966	3669063	1919550	50133	16150	605	207	6546	3	206802	1	18035	26	0	0	0	2	8	1	16	
PT184	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	1652560	1058966	3669063	1919550	50133	16150	605	207	6546	2	44232	0	0	0	0	0	0	2	8	1	16	
PT185	3.33	3.12	0	0	0	0	0	0.00	0	0	0	0	0	1652560	1058966	3669063	1919550	50133	16150	605	207	6546	0	0	0	0	0	0	0	0	2	8	1	16	
PT186	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	1652560	1058966	3669063	1919550	50133	16150	605	207	6546	5	210494	0	0	0	0	0	0	2	8	1	16	
PT187	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	1652560	1058966	3669063	1919550	50133	16150	605	207	6546	1	23947	0	0	0	0	0	0	2	8	1	16	
PT200	0.00	0.00	15	0	1	1	0	1.19	2234	0	0	0	0	604647	556811	1921951	1787459	14993	10764	153	94	1436	26	64242	19	37682	55	13	1	0	0	13	1	0	
PT300	0.89	1.52	3	2	2	3	0	0.52	1158	679	676	3	0	1337280	1244652	7951310	7553363	38745	33820	319	168	2139	19	730316	5	705065	37	9	2	1	0	8	1	5	
UKD11	2.67	6.01	6	2	0	2	0	4.22	573	0	0	0	0	3083868	1316052	9759200	3336730	84076	30265	5286	1550	1700	27	151225	3	94887	2	2	6	0	0	8	0	24	
UKD12	2.91	5.87	0	0	0	0	0	2.30	0	0	0	0	0	3083868	1316052	9759200	3336730	84076	30265	5286	1550	1700	0	0	0	0	0	0	0	0	0	8	0	24	
UKD33	0.00	0.00	2	0	1	1	0	0.00	6789	0	0	0	0	3435272	2600889	12167020	5315720	75381	69682	533	464	6664	0	0	0	0	0	0	0	0	3	11	0	88	
UKD34	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	3435272	2600889	12167020	5315720	75381	69682	533	464	6664	0	0	0	0	0	0	0	0	0	3	11	0	88
UKD35	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	3435272	2600889	12167020	5315720	75381	69682	533	464	6664	2	65049	0	0	0	0	0	0	0	3	11	0	88
UKD36	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	3435272	2600889	12167020	5315720	75381	69682	533	464	6664	1	170	0	0	0	0	0	0	0	3	11	0	88
UKD37	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	3435272	2600889	12167020	5315720	75381	69682	533	464	6664	0	0	0	0	0	0	0	0	0	3	11	0	88
UKD41	0.00	0.00	0	0	0	0	0	0.00	0	0	0	0	0	2415703	1712677	6863340	3586270	123675	92969	2890	2102	3539	0	0	0	0	0	0	0	0	1	13	0	54	
UKD42	5.00	8.98	0	0	0	0	0	0.00	0	0	0	0	0	2415703	1712677	6863340	3586270	123675	92969	2890	2102	3539	0	0	0	0	1	3	0	0	1	13	0	54	
UKD44	7.82	7.82	5	2	2	2	0	0.56	4775	282	282	0	0	2415703	1712677	6863340	3586270	123675	92969	2890	2102	3539	0	0	0	0	0	4	0	0	1</				

Table A1 – Continued from previous page

	V1.01	V1.02	V2.01	V2.02	V2.03	V2.04	V2.05	V2.06	V2.07	V2.08	V2.09	V2.10	V2.11	V3.01	V3.04	V3.07	V3.10	V3.21	V3.22	V3.25	V3.26	V3.44	V4.01	V4.02	V4.03	V4.04	V5.02	V5.03	V5.04	V5.05	V5.06	V5.07	V5.08	V5.09
UKD45 7.82	7.82	0	0	0	0	0	0	0.00	0	0	0	0	0	2415703	1712677	6863340	3586270	123675	92969	2890	2102	3539	1	34	0	0	0	2	0	0	1	13	0	54
UKD46 0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	2415703	1712677	6863340	3586270	123675	92969	2890	2102	3539	0	0	0	0	0	0	0	0	1	13	0	54
UKD47 7.82	7.82	0	0	0	0	0	0	0.00	0	0	0	0	0	2415703	1712677	6863340	3586270	123675	92969	2890	2102	3539	0	0	0	0	0	0	0	0	1	13	0	54
UKD61 4.16	8.20	1	0	0	0	0	0	0.35	0	0	0	0	0	1505229	1109588	4108360	1699030	50093	27854	719	518	2263	1	14	0	0	0	0	0	0	3	13	0	27
UKD62 0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	1505229	1109588	4108360	1699030	50093	27854	719	518	2263	4	17330	1	15442	0	0	0	0	3	13	0	27
UKD63 5.00	8.16	4	0	0	0	0	0	1.90	0	0	0	0	0	1505229	1109588	4108360	1699030	50093	27854	719	518	2263	0	0	0	0	0	0	0	0	3	13	0	27
UKD71 5.04	8.16	2	0	0	0	0	0	0.00	0	0	0	0	0	1896926	1242651	5740250	2543970	43111	34855	475	360	3402	0	0	0	0	0	0	0	0	1	4	0	48
UKD72 5.01	8.72	1	0	0	0	0	0	13.45	613	0	0	0	0	1896926	1242651	5740250	2543970	43111	34855	475	360	3402	0	0	0	0	0	0	0	0	1	4	0	48
UKD73 5.01	8.07	2	1	1	1	0	0	11.04	32541	730	704	26	0	1896926	1242651	5740250	2543970	43111	34855	475	360	3402	1	4592	0	0	1	2	0	0	1	4	0	48
UKD74 5.00	7.55	4	0	0	0	0	0	12.77	0	0	0	0	0	1896926	1242651	5740250	2543970	43111	34855	475	360	3402	0	0	0	0	3	1	0	0	1	4	0	48
UKK11 3.50	7.45	2	1	1	1	0	0	3.86	8741	0	0	0	0	4686276	3013422	14762190	5600890	138587	82225	2549	1752	6423	2	73865	1	72240	0	0	0	0	4	26	0	74
UKK12 3.98	7.65	2	0	0	0	0	0	3.86	0	0	0	0	0	4686276	3013422	14762190	5600890	138587	82225	2549	1752	6423	4	1222	0	0	0	2	1	1	4	26	0	74
UKK13 2.56	7.78	2	0	0	0	0	0	0.00	432	0	0	0	0	4686276	3013422	14762190	5600890	138587	82225	2549	1752	6423	3	712	0	0	0	0	0	0	4	26	0	74
UKK14 0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	4686276	3013422	14762190	5600890	138587	82225	2549	1752	6423	0	0	0	0	0	0	0	0	4	26	0	74
UKK15 0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	4686276	3013422	14762190	5600890	138587	82225	2549	1752	6423	8	51469	0	0	0	0	0	0	4	26	0	74
UKK21 9.86	5.13	1	1	1	1	0	0	0.00	818	406	406	0	0	4222216	2105671	16442810	5556420	261238	62516	4520	2118	3515	1	5720	0	0	12	1	0	0	1	15	0	43
UKK22 9.54	4.83	2	1	0	1	0	0	1.36	478	0	0	0	0	4222216	2105671	16442810	5556420	261238	62516	4520	2118	3515	11	6730	1	1552	21	3	1	0	1	15	0	43
UKK23 5.53	8.76	2	0	0	0	0	0	0.00	86	0	0	0	0	4222216	2105671	16442810	5556420	261238	62516	4520	2118	3515	5	308	0	0	2	3	1	1	1	15	0	43
UKK30 5.51	4.92	12	1	1	2	0	0	4.19	975	3	0	3	0	3559978	1436695	14140490	4205120	272203	35775	5843	1540	1950	17	47763	3	38563	63	15	2	0	1	6	0	25
UKK41 8.33	6.34	4	1	1	1	0	0	3.31	2384	431	431	0	0	4115804	1958848	14575810	4890160	218211	63842	6253	1767	3373	0	0	0	0	2	0	0	0	2	10	1	64
UKK42 7.49	10.00	1	0	0	0	0	0	0.30	0	0	0	0	0	4115804	1958848	14575810	4890160	218211	63842	6253	1767	3373	1	127	0	0	9	5	1	0	2	10	1	64
UKK43 8.27	8.46	8	1	0	1	0	0	3.34	490	0	0	0	0	4115804	1958848	14575810	4890160	218211	63842	6253	1767	3373	14	45540	1	3068	34	7	1	3	2	10	1	64
UKL11 8.31	6.54	3	1	1	1	0	0	1.28	5237	1920	1920	0	0	5742553	2012883	19314990	4789500	376496	57405	6693	1984	5261	8	30446	3	27537	11	0	1	0	13	1	245	
UKL12 7.62	7.53	3	0	0	0	0	0	0.54	40	0	0	0	0	5742553	2012883	19314990	4789500	376496	57405	6693	1984	5261	15	226117	1	144258	16	3	0	0	0	13	1	245
UKL13 7.31	5.02	3	1	0	1	0	0	0.00	195	0	0	0	0	5742553	2012883	19314990	4789500	376496	57405	6693	1984	5261	7	741	0	0	5	5	1	0	0	13	1	245
UKL14 8.08	8.81	6	2	2	2	1	1	0.53	32491	644	644	0	0	5742553	2012883	19314990	4789500	376496	57405	6693	1984	5261	26	324080	4	298270	34	7	4	0	0	13	1	245
UKL15 0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	5742553	2012883	19314990	4789500	376496	57405	6693	1984	5261	4	642	0	0	0	0	0	0	0	13	1	245
UKL16 0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	5742553	2012883	19314990	4789500	376496	57405	6693	1984	5261	2	68	0	0	0	0	0	0	0	13	1	245
UKL17 6.70	8.76	3	0	1	1	0	0	7.19	7812	0	0	0	0	5742553	2012883	19314990	4789500	376496	57405	6693	1984	5261	4	1616	1	277	3	1	0	0	0	13	1	245
UKL18 6.88	9.02	1	1	1	1	0	0	4.12	542	0	0	0	0	5742553	2012883	19314990	4789500	376496	57405	6693	1984	5261	2	2005	0	0	7	1	0	0	0	13	1	245
UKL21 3.41	7.86	3	0	1	1	0	0	2.86	3450	0	0	0	0	2563910	1611064	7574380	3266290	187846	22529	5417	1233	2952	4	2835	0	0	0	0	0	0	1	9	4	179
UKL22 5.92	8.29	3	1	1	1	0	0	9.46	1866	0	0	0	0	2563910	1611064	7574380	3266290	187846	22529	5417	1233	2952	1	6	0	0	3	1	0	0	1	9	4	179
UKL23 5.00	8.13	2	1	0	1	0	0	0.70	7	0	0	0	0	2563910	1611064	7574380	3266290	187846	22529	5417	1233	2952	3	880	0	0	0	0	0	0	1	9	4	179
UKL24 0.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	2563910	1611064	7574380	3266290	187846	22529	5417	1233	2952	9	1214	0	0	0	0	0	0	1	9	4	179
UKM611.93	1.95	10	1	1	1	0	0	0.00	757	0	0	0	0	1708844	950964	9067200	6101900	47260	17562	2226	907	1236	85	518973	8	174681	3	1	1	0	3	13	0	138
UKM622.06	2.34	4	0	0	0	0	0	0.00	644	0	0	0	0	1708844	950964	9067200	6101900	47260	17562	2226	907	1236	3	847	0	0	0	1	4	0	3	13	0	138
UKM630.95	1.86	31	1	1	2	0	0	2.74	6381	0	0	0	0	1708844	950964	9067200	6101900	47260	17562	2226	907	1236	25	39117	6	26978	2	1	0	0	3	13	0	138
UKM640.57	1.29	6	0	0	0	0	0	0.00	201	0	0	0	0	1708844	950964	9067200	6101900	47260	17562	2226	907	1236	14	97457	8	43454	0	0	0	0	3	13	0	138
UKM652.02	2.82	19	0	1	1	0	0	0.00	4852	0	0	0	0	1708844	950964	9067200	6101900	47260	17562	2226	907	1236	6	22796	3	12490	0	0	0	0	3	13	0	138
UKM664.09	2.68	31	1	1	2	0	0	3.46	5809	0	0	0	0	1708844	950964	9067200	6101900	47260	17562	2226	907	1236	12	15345	5	6165	0	0	0	0	3	13	0	138
UKM810.44	1.78	3	0	0	0	0	0	0.94	0	0	0	0	0	3618051	2258326	12468410	5645420	47711	20397	744	377	3748	0	0	0	0	0	0	0	0	1	6	0	109
UKM820.00	0.00	1	1	1	1	0	0	0.00	8865	5	0	5	0	3618051	2258326	12468410	5645420	47711	20397	744	377	3748	0	0	0	0	0	0	0	0	1	6	0	109
UKM830.00	1.56	5	0	0	0	0	0	1.99	0	0	0	0	0	3618051	2258326	12468410	5645420	47711	20397															

Table A1 – Continued from previous page

	V1.01	V1.02	V2.01	V2.02	V2.03	V2.04	V2.05	V2.06	V2.07	V2.08	V2.09	V2.10	V2.11	V3.01	V3.04	V3.07	V3.10	V3.21	V3.22	V3.25	V3.26	V3.44	V4.01	V4.02	V4.03	V4.04	V5.02	V5.03	V5.04	V5.05	V5.06	V5.07	V5.08	V5.09
UKM840.00	0.00	0	0	0	0	0	0	0	0.00	0	0	0	0	3618051	2258326	12468410	5645420	47711	20397	744	377	3748	3	520	0	0	0	0	0	0	1	6	0	109
UKM920.86	2.35	4	2	3	3	0	0	0.00	5235	1753	1753	0	0	3618051	2258326	12468410	5645420	47711	20397	744	377	1845	16	63489	1	47924	1	2	0	4	3	12	0	77
UKM930.00	1.08	8	0	0	0	0	0	2.74	0	0	0	0	0	3618051	2258326	12468410	5645420	47711	20397	744	377	1845	4	1502	0	0	1	3	2	0	3	12	0	77
UKM940.34	0.89	3	1	0	1	0	0	0.46	351	0	0	0	0	3618051	2258326	12468410	5645420	47711	20397	744	377	1845	1	1308	0	0	0	3	2	2	3	12	0	77
UKM950.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	3618051	2258326	12468410	5645420	47711	20397	744	377	1845	5	678	0	0	0	0	0	0	3	12	0	77
UKN060.83	3.12	2	1	1	1	1	0	2.68	18226	1530	1528	1	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	0	0	0	0	0	0	0	0	6	19	4	149
UKN070.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	2	820	0	0	0	0	0	0	6	19	4	149
UKN081.99	3.89	1	1	1	1	0	0	0.00	3259	8	8	0	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	10	35027	2	26120	3	1	1	0	6	19	4	149
UKN090.42	1.04	1	0	0	0	0	0	1.20	0	0	0	0	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	0	0	0	2	1	1	1	6	19	4	149	
UKN100.01	0.05	1	0	1	1	1	0	0.00	1808	0	0	0	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	13	5800	0	0	0	0	0	0	6	19	4	149
UKN110.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	2	239	0	0	0	0	0	0	6	19	4	149
UKN120.13	0.73	3	0	0	0	0	0	0.00	52	0	0	0	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	0	0	0	0	7	1	2	0	6	19	4	149
UKN130.21	0.84	0	0	0	0	0	0	0.37	0	0	0	0	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	8	8881	1	3146	0	0	0	0	6	19	4	149
UKN140.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	0	0	0	0	0	0	0	0	6	19	4	149
UKN150.85	3.01	8	1	3	3	0	0	2.40	3790	551	551	0	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	0	0	0	0	2	1	0	6	19	4	149	
UKN160.00	0.00	0	0	0	0	0	0	0.00	0	0	0	0	0	1380960	984510	13736720	8497550	37084	24751	2426	863	4204	19	15893	0	0	0	0	0	0	6	19	4	149