

MARINE NOTICE

*Notice to all Shipowners, Fishing Vessel Owners, Agents, Shipmasters, Skippers, Fishers,
Yachtsmen and Seafarers*

NeuConnect Interconnector

UK Pre-Sweeping

Date of Issue: 18/04/2025

Revision: 2

Project Overview

NeuConnect is a new high voltage direct current (HVDC) electricity transmission interconnector between the Isle of Grain, Kent, mainland UK, and Wilhelmshaven, Germany, routed through UK territorial waters (TW) and exclusive economic zone (EEZ).

Prysmian PowerLink (PPL) has been contracted to install the submarine cable.

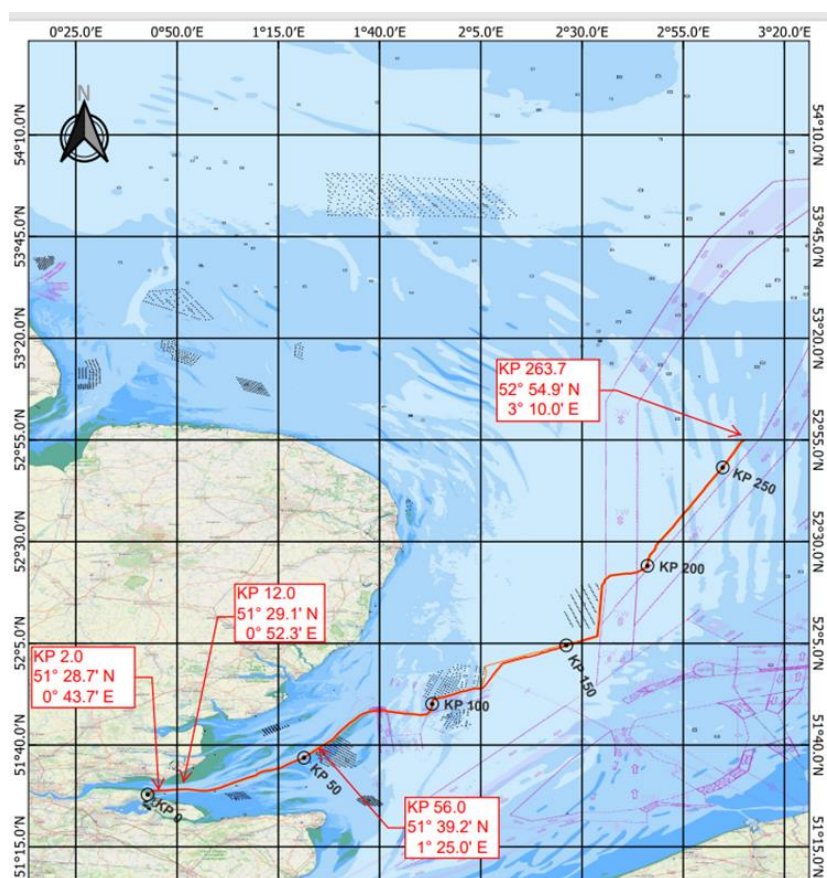


Figure 1 NeuConnect cable route (UK)

Notice of Activity

Mariners are advised that pre-sweeping activities will be taking place along the NeuConnect cable route. Works will be undertaken by Pre-Sweeping subcontractor **Rohde Nielsen**.

The planned operations will be conducted by the vessels:

- Njord R (TSHD)
- Ask R (TSHD)
- USS 202 (ROUV survey vessel)

Mobilisation of the Njord R, Ask R and USS 202 is anticipated from **24 April 2025** on site to commence pre-sweeping activities from **28 April 2025 onwards**. The full scope of works are anticipated to take 5-6 months (weather dependent). Work is carried out from KP 78.9 (51° 48.2' N 01° 38.0' E) to KP 199.1 (52° 23.6' N 02° 45.9' E). Pre-sweeping activities between KP 78.9 to KP 145 are anticipated to be completed between 28 of Apr and beginning of June (weather dependent, it can take longer).

Activity	Location Start KP	Location End KP
Survey of all work areas	78.9	199.1
Pre-sweeping	78.9	80.5
Pre-sweeping	105.9	199.1
Survey and maintenance dredging	78.9	199.1

General Safety Advice

Mariners are reminded to navigate with caution and keep a continuous watch on VHF when navigating in and around the operational areas. Port of London VHF working channel is Ch. 69. Port of Medway VHF working channel is Ch.74.

All vessels involved in operational activities will exhibit appropriate lights and day-time shapes prescribed by the International Regulations for Preventing Collisions at Sea, relative to operations. The vessel will also transmit an Automatic Identification System (AIS) message.

Safety Zones

During cable installation a 'rolling' 500m safety zone will be applied around all installation vessels and activities.

Contact Details

Enquiries regarding the contents of this Marine Notice, or any other matters, should be directed to Rohde Nielsen and Prysmian Powerlink. Details of the key contacts are listed below:

Role	Name	Contact Details
Project Manager /Area Manager (Rohde Nielsen)	Thomas Molnit	+45 3118 8507 tmo@rohde-nielsen.dk

Head of Survey	Filipe Batel	+45 3147 2845 fba@rohde-nielsen.dk
Project HSEQ Manager	Esther Sim	+45 5382 7743 esli@rohde-nielsen.dk
Njord-R Vessel	Njord-R (Captain)	+45 2937 5280 (vessel Captain) 8816 4147 4619 (Satelite) njord@rohde-nielsen.dk
Ask-R Vessel	Ask R (Captain)	+45 2492 2507 (vessel Captain) +45 2553 2507 ask@rohde-nielsen.dk
USS 202 Vessel	Kerry Beckwith (PM) Toby Bevington (HSEQ Manager)	+44 1872 275642 kerry@uncrewedsurveysolutions.com toby@uncrewedsurveysolutions.com
Offshore Project Manager (Prysmian PowerLink)	Loretta Toma	+39 345 9733068

For enquiries related to fishing, please contact the dedicated Fisheries Liaison Officer (FLO) for the NeuConnect Interconnector project:

Merlin Jackson
Email: merlinjackson@btinternet.com
Mob: 07989 520484

Details of Works Vessels

Njord-R



Vessel Name	Njord-R
Vessel Type	Hopper Dredger
MMSI / IMO	IMO 9588122 MMSI 219387000
Classification	diesel-electric hybrid split hopper suction dredger
Flag / Port of Registry	Denmark / Port of Grena
Length	111.3 m
Width	19.4 m
Depth	7 m
Gross Tonnage	5,189GT

Ask-R



Vessel Name	Ask-R
Vessel Type	Hopper Dredger
MMSI / IMO	IMO 98966036 MMSI 219027308
Classification	diesel-electric hybrid split hopper suction dredger
Flag / Port of Registry	Denmark / Port of Grena
Length	85.4 m
Width	17.4 m
Depth	5 m
Gross Tonnage	2,975GT

USS 202



Vessel Name	USS 202
Vessel Type	ROUV survey vessel
Call sign / MMSI	T7OT MMSI 268229900
Classification	Accession Class ROUV
Flag / Port of Registry	UK
Length	4.5 m
Width	1.3 m
Depth	0.8 m
Gross Tonnage	1.2 GT

Pre-Sweeping Areas

X	Y	KP	Seabed Level [m LAT]	Dredging Level [m LAT]
405730.0	5740099.1	78.901	-14.78	-14.78
405731.0	5740099.3	78.902	-14.72	-14.78
405732.0	5740099.5	78.903	-14.62	-14.77
405732.9	5740099.7	78.904	-14.72	-14.77
405733.9	5740100.0	78.905	-14.58	-14.77
405734.9	5740100.2	78.906	-14.41	-14.77
405735.9	5740100.4	78.907	-14.55	-14.76
405736.8	5740100.6	78.908	-14.57	-14.76
405737.8	5740100.8	78.909	-14.28	-14.76
405738.8	5740101.1	78.910	-14.02	-14.76
405739.8	5740101.3	78.911	-13.89	-14.75
405740.7	5740101.5	78.912	-13.67	-14.75
405741.7	5740101.7	78.913	-13.67	-14.75
405742.7	5740101.9	78.914	-13.79	-14.75
405743.7	5740102.1	78.915	-13.92	-14.74
405744.6	5740102.4	78.916	-14.02	-14.74
405745.6	5740102.6	78.917	-13.87	-14.74
405746.6	5740102.8	78.918	-13.70	-14.74
405747.6	5740103.0	78.919	-13.67	-14.73
405748.5	5740103.2	78.920	-13.79	-14.73
405749.5	5740103.5	78.921	-13.79	-14.73
405750.5	5740103.7	78.922	-13.60	-14.73
405751.5	5740103.9	78.923	-13.45	-14.72
405752.5	5740104.1	78.924	-13.29	-14.72
405753.4	5740104.3	78.925	-13.34	-14.72
405754.4	5740104.6	78.926	-13.44	-14.72
405755.4	5740104.8	78.927	-13.27	-14.71
405756.4	5740105.0	78.928	-12.97	-14.71
405757.3	5740105.2	78.929	-12.74	-14.71
405758.3	5740105.4	78.930	-12.72	-14.71
405759.3	5740105.7	78.931	-12.79	-14.70
405760.3	5740105.9	78.932	-12.95	-14.70
405761.2	5740106.1	78.933	-13.05	-14.70
405762.2	5740106.3	78.934	-12.90	-14.70
405763.2	5740106.5	78.935	-12.66	-14.69
405764.2	5740106.7	78.936	-12.49	-14.69
405765.1	5740107.0	78.937	-12.35	-14.69
405766.1	5740107.2	78.938	-12.27	-14.68
405767.1	5740107.4	78.939	-12.19	-14.68
405768.1	5740107.6	78.940	-12.23	-14.68
405769.0	5740107.8	78.941	-12.35	-14.68
405770.0	5740108.1	78.942	-12.37	-14.67
405771.0	5740108.3	78.943	-12.07	-14.67
405772.0	5740108.5	78.944	-11.95	-14.67

405772.9	5740108.7	78.945	-11.70	-14.67
405773.9	5740108.9	78.946	-11.56	-14.66
405774.9	5740109.2	78.947	-11.56	-14.66
405775.9	5740109.4	78.948	-11.65	-14.66
405776.8	5740109.6	78.949	-11.80	-14.66
405777.8	5740109.8	78.950	-11.73	-14.65
405778.8	5740110.0	78.951	-11.51	-14.65
405779.8	5740110.3	78.952	-11.42	-14.65
405780.7	5740110.5	78.953	-11.15	-14.65
405781.7	5740110.7	78.954	-11.05	-14.64
405782.7	5740110.9	78.955	-11.07	-14.64
405783.7	5740111.1	78.956	-11.16	-14.64
405784.7	5740111.4	78.957	-11.31	-14.64
405785.6	5740111.6	78.958	-11.41	-14.63
405786.6	5740111.8	78.959	-11.31	-14.63
405787.6	5740112.0	78.960	-11.25	-14.63
405788.6	5740112.2	78.961	-10.96	-14.63
405789.5	5740112.4	78.962	-10.93	-14.62
405790.5	5740112.7	78.963	-11.00	-14.62
405791.5	5740112.9	78.964	-11.15	-14.62
405792.5	5740113.1	78.965	-11.26	-14.62
405793.4	5740113.3	78.966	-11.26	-14.61
405794.4	5740113.5	78.967	-11.02	-14.61
405795.4	5740113.8	78.968	-10.88	-14.61
405796.4	5740114.0	78.969	-11.00	-14.61
405797.3	5740114.2	78.970	-11.24	-14.60
405798.3	5740114.4	78.971	-11.19	-14.60
405799.3	5740114.6	78.972	-11.15	-14.60
405800.3	5740114.9	78.973	-11.36	-14.60
405801.2	5740115.1	78.974	-11.29	-14.59
405802.2	5740115.3	78.975	-11.27	-14.59
405803.2	5740115.5	78.976	-11.37	-14.59
405804.2	5740115.7	78.977	-11.55	-14.59
405805.1	5740116.0	78.978	-11.53	-14.58
405806.1	5740116.2	78.979	-11.63	-14.58
405807.1	5740116.4	78.980	-11.79	-14.58
405808.1	5740116.6	78.981	-12.01	-14.58
405809.0	5740116.8	78.982	-12.27	-14.57
405810.0	5740117.0	78.983	-12.57	-14.57
405811.0	5740117.3	78.984	-12.77	-14.57
405812.0	5740117.5	78.985	-13.11	-14.57
405812.9	5740117.7	78.986	-13.29	-14.56
405813.9	5740117.9	78.987	-13.43	-14.56
405814.9	5740118.1	78.988	-13.67	-14.56
405815.9	5740118.4	78.989	-13.75	-14.56
405816.8	5740118.6	78.990	-13.75	-14.55
405817.8	5740118.8	78.991	-13.74	-14.55
405818.8	5740119.0	78.992	-13.71	-14.55
405819.8	5740119.2	78.993	-13.68	-14.55
405820.8	5740119.5	78.994	-13.65	-14.54
405821.7	5740119.7	78.995	-13.67	-14.54

405822.7	5740119.9	78.996	-13.69	-14.54
405823.7	5740120.1	78.997	-13.71	-14.54
405824.7	5740120.3	78.998	-13.58	-14.53
405825.6	5740120.6	78.999	-13.66	-14.53
405826.6	5740120.8	79.000	-13.80	-14.53
405827.6	5740121.0	79.001	-13.98	-14.53
405828.6	5740121.2	79.002	-14.03	-14.52
405829.5	5740121.4	79.003	-14.21	-14.52
405830.5	5740121.6	79.004	-14.47	-14.52
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405833.4	5740122.3	79.007	-14.41	-14.54
405834.4	5740122.5	79.008	-14.33	-14.55
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405836.4	5740123.0	79.010	-14.15	-14.57
405837.3	5740123.2	79.011	-14.05	-14.58
405838.3	5740123.4	79.012	-13.96	-14.59
405839.3	5740123.6	79.013	-13.92	-14.60
405840.3	5740123.8	79.014	-13.88	-14.61
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405842.2	5740124.3	79.016	-13.75	-14.63
405843.2	5740124.5	79.017	-13.82	-14.64
405844.2	5740124.7	79.018	-13.73	-14.65
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405846.1	5740125.2	79.020	-13.92	-14.67
405847.1	5740125.4	79.021	-14.07	-14.68
405848.1	5740125.6	79.022	-14.23	-14.69
405849.0	5740125.8	79.023	-14.39	-14.70
405850.0	5740126.0	79.024	-14.32	-14.71
405851.0	5740126.2	79.025	-14.18	-14.72
405852.0	5740126.5	79.026	-14.09	-14.73
405852.9	5740126.7	79.027	-14.02	-14.74
405853.9	5740126.9	79.028	-14.04	-14.75
405854.9	5740127.1	79.029	-14.12	-14.76
405855.9	5740127.3	79.030	-14.15	-14.77
405856.9	5740127.6	79.031	-14.01	-14.78
405857.8	5740127.8	79.032	-13.86	-14.79
405858.8	5740128.0	79.033	-13.87	-14.80
405859.8	5740128.2	79.034	-13.97	-14.81
405860.8	5740128.4	79.035	-14.17	-14.82
405861.7	5740128.7	79.036	-14.18	-14.83
405862.7	5740128.9	79.037	-14.10	-14.84
405863.7	5740129.1	79.038	-14.06	-14.85
405864.7	5740129.3	79.039	-13.99	-14.86
405865.6	5740129.5	79.040	-13.94	-14.87
405866.6	5740129.8	79.041	-14.05	-14.88
405867.6	5740130.0	79.042	-13.82	-14.89
405868.6	5740130.2	79.043	-13.73	-14.90
405869.5	5740130.4	79.044	-13.60	-14.91
405870.5	5740130.6	79.045	-13.63	-14.92
405871.5	5740130.8	79.046	-13.74	-14.93

405872.5	5740131.1	79.047	-13.90	-14.94
405873.4	5740131.3	79.048	-13.93	-14.95
405874.4	5740131.5	79.049	-13.88	-14.96
405875.4	5740131.7	79.050	-13.69	-14.97
405876.4	5740131.9	79.051	-13.59	-14.98
405877.3	5740132.2	79.052	-13.64	-14.99
405878.3	5740132.4	79.053	-13.82	-15.01
405879.3	5740132.6	79.054	-13.71	-15.02
405880.3	5740132.8	79.055	-13.50	-15.03
405881.2	5740133.0	79.056	-13.34	-15.04
405882.2	5740133.3	79.057	-13.35	-15.05
405883.2	5740133.5	79.058	-13.54	-15.06
405884.2	5740133.7	79.059	-13.45	-15.07
405885.1	5740133.9	79.060	-13.44	-15.08
405886.1	5740134.1	79.061	-13.50	-15.09
405887.1	5740134.4	79.062	-13.32	-15.10
405888.1	5740134.6	79.063	-13.07	-15.11
405889.1	5740134.8	79.064	-13.00	-15.12
405890.0	5740135.0	79.065	-13.06	-15.13
405891.0	5740135.2	79.066	-13.03	-15.14
405892.0	5740135.4	79.067	-13.15	-15.15
405893.0	5740135.7	79.068	-13.25	-15.16
405893.9	5740135.9	79.069	-13.10	-15.17
405894.9	5740136.1	79.070	-13.15	-15.18
405895.9	5740136.3	79.071	-13.11	-15.19
405896.9	5740136.5	79.072	-12.91	-15.20
405897.8	5740136.8	79.073	-13.01	-15.21
405898.8	5740137.0	79.074	-13.12	-15.22
405899.8	5740137.2	79.075	-12.82	-15.23
405900.8	5740137.4	79.076	-12.84	-15.24
405901.7	5740137.6	79.077	-12.79	-15.25
405902.7	5740137.9	79.078	-12.66	-15.26
405903.7	5740138.1	79.079	-12.75	-15.27
405904.7	5740138.3	79.080	-12.83	-15.28
405905.6	5740138.5	79.081	-12.65	-15.29
405906.6	5740138.7	79.082	-12.37	-15.30
405907.6	5740139.0	79.083	-12.37	-15.31
405908.6	5740139.2	79.084	-12.46	-15.32
405909.5	5740139.4	79.085	-12.56	-15.33
405910.5	5740139.6	79.086	-12.32	-15.34
405911.5	5740139.8	79.087	-12.10	-15.35
405912.5	5740140.1	79.088	-12.15	-15.36
405913.4	5740140.3	79.089	-12.30	-15.37
405914.4	5740140.5	79.090	-12.35	-15.38
405915.4	5740140.7	79.091	-12.10	-15.39
405916.4	5740140.9	79.092	-11.83	-15.40
405917.3	5740141.1	79.093	-11.74	-15.41
405918.3	5740141.4	79.094	-11.75	-15.42
405919.3	5740141.6	79.095	-11.81	-15.43
405920.3	5740141.8	79.096	-11.59	-15.44
405921.2	5740142.0	79.097	-11.57	-15.45

405922.2	5740142.2	79.098	-11.64	-15.46
405923.2	5740142.5	79.099	-11.71	-15.47
405924.2	5740142.7	79.100	-11.47	-15.49
405925.2	5740142.9	79.101	-11.21	-15.50
405926.1	5740143.1	79.102	-11.21	-15.51
405927.1	5740143.3	79.103	-11.30	-15.52
405928.1	5740143.6	79.104	-11.38	-15.53
405929.1	5740143.8	79.105	-11.12	-15.54
405930.0	5740144.0	79.106	-10.86	-15.55
405931.0	5740144.2	79.107	-10.85	-15.56
405932.0	5740144.4	79.108	-10.93	-15.57
405933.0	5740144.7	79.109	-11.06	-15.58
405933.9	5740144.9	79.110	-10.97	-15.59
405934.9	5740145.1	79.111	-10.83	-15.60
405935.9	5740145.3	79.112	-10.77	-15.61
405936.9	5740145.5	79.113	-10.73	-15.62
405937.8	5740145.7	79.114	-10.74	-15.63
405938.8	5740146.0	79.115	-10.77	-15.64
405939.8	5740146.2	79.116	-10.85	-15.65
405940.8	5740146.4	79.117	-11.10	-15.66
405941.7	5740146.6	79.118	-11.43	-15.67
405942.7	5740146.8	79.119	-11.78	-15.68
405943.7	5740147.1	79.120	-12.22	-15.69
405944.7	5740147.3	79.121	-12.61	-15.70
405945.6	5740147.5	79.122	-13.08	-15.71
405946.6	5740147.7	79.123	-13.63	-15.72
405947.6	5740147.9	79.124	-14.11	-15.73
405948.6	5740148.2	79.125	-14.46	-15.74
405949.5	5740148.4	79.126	-14.68	-15.75
405950.5	5740148.6	79.127	-14.83	-15.76
405951.5	5740148.8	79.128	-14.94	-15.77
405952.5	5740149.0	79.129	-15.04	-15.78
405953.4	5740149.3	79.130	-15.11	-15.79
405954.4	5740149.5	79.131	-15.19	-15.80
405955.4	5740149.7	79.132	-15.28	-15.81
405956.4	5740149.9	79.133	-15.36	-15.82
405957.4	5740150.1	79.134	-15.38	-15.83
405958.3	5740150.3	79.135	-15.40	-15.84
405959.3	5740150.6	79.136	-15.43	-15.85
405960.3	5740150.8	79.137	-15.47	-15.86
405961.3	5740151.0	79.138	-15.51	-15.87
405962.2	5740151.2	79.139	-15.61	-15.88
405963.2	5740151.4	79.140	-15.70	-15.89
405964.2	5740151.7	79.141	-15.74	-15.90
405965.2	5740151.9	79.142	-15.79	-15.91
405966.1	5740152.1	79.143	-15.84	-15.92
405967.1	5740152.3	79.144	-15.88	-15.93
405968.1	5740152.5	79.145	-15.90	-15.94
405969.1	5740152.8	79.146	-15.90	-15.95
405970.0	5740153.0	79.147	-15.89	-15.97
405971.0	5740153.2	79.148	-15.83	-15.98

405972.0	5740153.4	79.149	-15.84	-15.99
405973.0	5740153.6	79.150	-15.87	-16.00
405973.9	5740153.9	79.151	-15.87	-16.01
405974.9	5740154.1	79.152	-15.89	-16.02
405975.9	5740154.3	79.153	-15.91	-16.03
405976.9	5740154.5	79.154	-15.83	-16.04
405977.8	5740154.7	79.155	-15.84	-16.05
405978.8	5740154.9	79.156	-15.91	-16.06
405979.8	5740155.2	79.157	-15.95	-16.07
405980.8	5740155.4	79.158	-15.96	-16.08
405981.7	5740155.6	79.159	-15.97	-16.09
405982.7	5740155.8	79.160	-15.89	-16.10
405983.7	5740156.0	79.161	-15.93	-16.11
405984.7	5740156.3	79.162	-16.05	-16.12
405985.6	5740156.5	79.163	-16.13	-16.13
406786.8	5740344.6	79.986	-13.38	-13.40
406787.8	5740344.8	79.987	-13.11	-13.40
406788.8	5740345.0	79.988	-13.02	-13.40
406789.8	5740345.3	79.989	-13.05	-13.40
406790.7	5740345.5	79.990	-13.08	-13.40
406791.7	5740345.7	79.991	-13.01	-13.40
406792.7	5740346.0	79.992	-12.90	-13.40
406793.6	5740346.2	79.993	-12.78	-13.40
406794.6	5740346.4	79.994	-12.77	-13.40
406795.6	5740346.7	79.995	-12.77	-13.40
406796.6	5740346.9	79.996	-12.79	-13.40
406797.5	5740347.1	79.997	-12.81	-13.40
406798.5	5740347.4	79.998	-12.79	-13.40
406799.5	5740347.6	79.999	-12.80	-13.40
406800.5	5740347.8	80.000	-12.77	-13.41
406801.4	5740348.1	80.001	-12.73	-13.41
406802.4	5740348.3	80.002	-12.57	-13.41
406803.4	5740348.5	80.003	-12.40	-13.41
406804.3	5740348.8	80.004	-12.32	-13.41
406805.3	5740349.0	80.005	-12.31	-13.41
406806.3	5740349.3	80.006	-12.33	-13.41
406807.3	5740349.5	80.007	-12.32	-13.41
406808.2	5740349.7	80.008	-12.27	-13.41
406809.2	5740350.0	80.009	-12.26	-13.41
406810.2	5740350.2	80.010	-12.27	-13.41
406811.1	5740350.4	80.011	-12.28	-13.41
406812.1	5740350.7	80.012	-12.26	-13.41
406813.1	5740350.9	80.013	-12.13	-13.41
406814.1	5740351.1	80.014	-11.99	-13.41
406815.0	5740351.4	80.015	-11.90	-13.41
406816.0	5740351.6	80.016	-11.86	-13.41
406817.0	5740351.8	80.017	-11.92	-13.41
406818.0	5740352.1	80.018	-11.96	-13.41
406818.9	5740352.3	80.019	-11.90	-13.41
406819.9	5740352.5	80.020	-11.76	-13.41
406820.9	5740352.8	80.021	-11.69	-13.41

406821.8	5740353.0	80.022	-11.65	-13.42
406822.8	5740353.2	80.023	-11.63	-13.42
406823.8	5740353.5	80.024	-11.63	-13.42
406824.8	5740353.7	80.025	-11.61	-13.42
406825.7	5740353.9	80.026	-11.57	-13.42
406826.7	5740354.2	80.027	-11.49	-13.42
406827.7	5740354.4	80.028	-11.42	-13.42
406828.6	5740354.6	80.029	-11.38	-13.42
406829.6	5740354.9	80.030	-11.39	-13.42
406830.6	5740355.1	80.031	-11.38	-13.42
406831.6	5740355.3	80.032	-11.41	-13.42
406832.5	5740355.6	80.033	-11.39	-13.42
406833.5	5740355.8	80.034	-11.42	-13.42
406834.5	5740356.0	80.035	-11.47	-13.42
406835.4	5740356.3	80.036	-11.55	-13.42
406836.4	5740356.5	80.037	-11.71	-13.42
406837.4	5740356.7	80.038	-11.98	-13.42
406838.4	5740357.0	80.039	-12.14	-13.42
406839.3	5740357.2	80.040	-12.22	-13.42
406840.3	5740357.5	80.041	-12.31	-13.42
406841.3	5740357.7	80.042	-12.41	-13.42
406842.3	5740357.9	80.043	-12.52	-13.42
406843.2	5740358.2	80.044	-12.57	-13.43
406844.2	5740358.4	80.045	-12.48	-13.43
406845.2	5740358.6	80.046	-12.50	-13.43
406846.1	5740358.9	80.047	-12.52	-13.43
406847.1	5740359.1	80.048	-12.55	-13.43
406848.1	5740359.3	80.049	-12.57	-13.43
406849.1	5740359.6	80.050	-12.41	-13.43
406850.0	5740359.8	80.051	-12.34	-13.43
406851.0	5740360.0	80.052	-12.30	-13.43
406852.0	5740360.3	80.053	-12.30	-13.43
406852.9	5740360.5	80.054	-12.31	-13.43
406853.9	5740360.7	80.055	-12.35	-13.43
406854.9	5740361.0	80.056	-12.32	-13.43
406855.9	5740361.2	80.057	-12.38	-13.43
406856.8	5740361.4	80.058	-12.42	-13.43
406857.8	5740361.7	80.059	-12.47	-13.43
406858.8	5740361.9	80.060	-12.53	-13.43
406859.8	5740362.1	80.061	-12.55	-13.43
406860.7	5740362.4	80.062	-12.45	-13.43
406861.7	5740362.6	80.063	-12.34	-13.43
406862.7	5740362.8	80.064	-12.38	-13.43
406863.6	5740363.1	80.065	-12.56	-13.43
406864.6	5740363.3	80.066	-12.68	-13.44
406865.6	5740363.5	80.067	-12.68	-13.44
406866.6	5740363.8	80.068	-12.67	-13.44
406867.5	5740364.0	80.069	-12.70	-13.44
406868.5	5740364.2	80.070	-12.79	-13.44
406869.5	5740364.5	80.071	-12.89	-13.44
406870.4	5740364.7	80.072	-12.97	-13.44

406871.4	5740365.0	80.073	-13.05	-13.44
406872.4	5740365.2	80.074	-13.12	-13.44
406873.4	5740365.4	80.075	-13.16	-13.44
406874.3	5740365.7	80.076	-13.16	-13.44
406875.3	5740365.9	80.077	-12.95	-13.44
406876.3	5740366.1	80.078	-12.98	-13.44
406877.3	5740366.4	80.079	-13.11	-13.44
406878.2	5740366.6	80.080	-13.23	-13.44
406879.2	5740366.8	80.081	-13.32	-13.44
406880.2	5740367.1	80.082	-13.36	-13.44
406881.1	5740367.3	80.083	-13.31	-13.35
406882.1	5740367.5	80.084	-13.02	-13.35
406883.1	5740367.8	80.085	-12.80	-13.34
406884.1	5740368.0	80.086	-12.85	-13.34
406885.0	5740368.2	80.087	-12.90	-13.33
406886.0	5740368.5	80.088	-12.95	-13.32
406887.0	5740368.7	80.089	-13.02	-13.32
406887.9	5740368.9	80.090	-13.07	-13.31
406888.9	5740369.2	80.091	-13.10	-13.30
406889.9	5740369.4	80.092	-13.12	-13.30
406890.9	5740369.6	80.093	-13.12	-13.29
406891.8	5740369.9	80.094	-13.12	-13.28
406892.8	5740370.1	80.095	-13.06	-13.28
406893.8	5740370.3	80.096	-12.73	-13.27
406894.8	5740370.6	80.097	-12.71	-13.27
406895.7	5740370.8	80.098	-12.67	-13.26
406896.7	5740371.0	80.099	-12.70	-13.25
406897.7	5740371.3	80.100	-12.69	-13.25
406898.6	5740371.5	80.101	-12.72	-13.24
406899.6	5740371.7	80.102	-12.70	-13.23
406900.6	5740372.0	80.103	-12.67	-13.23
406901.6	5740372.2	80.104	-12.66	-13.22
406902.5	5740372.5	80.105	-12.69	-13.21
406903.5	5740372.7	80.106	-12.71	-13.21
406904.5	5740372.9	80.107	-12.74	-13.20
406905.4	5740373.2	80.108	-12.75	-13.20
406906.4	5740373.4	80.109	-12.71	-13.19
406907.4	5740373.6	80.110	-12.53	-13.18
406908.4	5740373.9	80.111	-12.32	-13.18
406909.3	5740374.1	80.112	-12.15	-13.17
406910.3	5740374.3	80.113	-12.09	-13.16
406911.3	5740374.6	80.114	-12.05	-13.16
406912.2	5740374.8	80.115	-12.03	-13.15
406913.2	5740375.0	80.116	-11.99	-13.15
406914.2	5740375.3	80.117	-11.97	-13.14
406915.2	5740375.5	80.118	-11.94	-13.13
406916.1	5740375.7	80.119	-11.89	-13.13
406917.1	5740376.0	80.120	-11.81	-13.12
406918.1	5740376.2	80.121	-11.75	-13.11
406919.1	5740376.4	80.122	-11.53	-13.11
406920.0	5740376.7	80.123	-11.34	-13.10

406921.0	5740376.9	80.124	-11.25	-13.09
406922.0	5740377.1	80.125	-11.19	-13.09
406922.9	5740377.4	80.126	-11.10	-13.08
406923.9	5740377.6	80.127	-11.26	-13.08
406924.9	5740377.8	80.128	-11.24	-13.07
406925.9	5740378.1	80.129	-11.49	-13.06
406926.8	5740378.3	80.130	-11.66	-13.06
406927.8	5740378.5	80.131	-11.83	-13.05
406928.8	5740378.8	80.132	-11.98	-13.04
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406931.7	5740379.5	80.135	-12.43	-13.02
406932.7	5740379.7	80.136	-12.52	-13.02
406933.6	5740379.9	80.137	-12.58	-13.01
406934.6	5740380.2	80.138	-12.59	-13.01
406935.6	5740380.4	80.139	-12.47	-13.00
406936.6	5740380.7	80.140	-12.33	-12.99
406937.5	5740380.9	80.141	-12.34	-12.99
406938.5	5740381.1	80.142	-12.30	-12.98
406939.5	5740381.4	80.143	-12.31	-12.97
406940.4	5740381.6	80.144	-12.27	-12.97
406941.4	5740381.8	80.145	-12.32	-12.96
406942.4	5740382.1	80.146	-12.36	-12.95
406943.4	5740382.3	80.147	-12.43	-12.95
406944.3	5740382.5	80.148	-12.48	-12.94
406945.3	5740382.8	80.149	-12.51	-12.94
406946.3	5740383.0	80.150	-12.60	-12.93
406947.2	5740383.2	80.151	-12.69	-12.92
406948.2	5740383.5	80.152	-12.78	-12.92
406949.2	5740383.7	80.153	-12.86	-12.91
406950.2	5740383.9	80.154	-12.90	-12.90
407088.2	5740417.2	80.296	-12.38	-12.41
407089.2	5740417.4	80.297	-12.29	-12.42
407090.2	5740417.7	80.298	-11.99	-12.42
407091.1	5740417.9	80.299	-11.85	-12.43
407092.1	5740418.1	80.300	-11.78	-12.43
407093.1	5740418.4	80.301	-11.80	-12.44
407094.0	5740418.6	80.302	-11.79	-12.44
407095.0	5740418.8	80.303	-11.79	-12.45
407096.0	5740419.1	80.304	-11.69	-12.45
407097.0	5740419.3	80.305	-11.69	-12.46
407097.9	5740419.6	80.306	-11.71	-12.46
407098.9	5740419.8	80.307	-11.72	-12.47
407099.9	5740420.0	80.308	-11.71	-12.48
407100.8	5740420.3	80.309	-11.71	-12.48
407101.8	5740420.5	80.310	-11.69	-12.49
407102.8	5740420.7	80.311	-11.59	-12.49
407103.8	5740421.0	80.312	-11.33	-12.50
407104.7	5740421.2	80.313	-11.25	-12.50
407105.7	5740421.4	80.314	-11.08	-12.51
407106.7	5740421.7	80.315	-11.04	-12.51

407107.7	5740421.9	80.316	-11.07	-12.52
407108.6	5740422.1	80.317	-11.05	-12.52
407109.6	5740422.4	80.318	-10.91	-12.53
407110.6	5740422.6	80.319	-10.86	-12.54
407111.5	5740422.8	80.320	-10.71	-12.54
407112.5	5740423.1	80.321	-10.65	-12.55
407113.5	5740423.3	80.322	-10.56	-12.55
407114.5	5740423.5	80.323	-10.50	-12.56
407115.4	5740423.8	80.324	-10.45	-12.56
407116.4	5740424.0	80.325	-10.37	-12.57
407117.4	5740424.2	80.326	-10.26	-12.57
407118.3	5740424.5	80.327	-10.22	-12.58
407119.3	5740424.7	80.328	-10.29	-12.58
407120.3	5740424.9	80.329	-10.33	-12.59
407121.3	5740425.2	80.330	-10.33	-12.60
407122.2	5740425.4	80.331	-10.57	-12.60
407123.2	5740425.6	80.332	-10.88	-12.61
407124.2	5740425.9	80.333	-11.07	-12.61
407125.2	5740426.1	80.334	-11.25	-12.62
407126.1	5740426.3	80.335	-11.44	-12.62
407127.1	5740426.6	80.336	-11.59	-12.63
407128.1	5740426.8	80.337	-11.73	-12.63
407129.0	5740427.1	80.338	-11.85	-12.64
407130.0	5740427.3	80.339	-11.98	-12.65
407131.0	5740427.5	80.340	-12.08	-12.65
407132.0	5740427.8	80.341	-12.21	-12.66
407132.9	5740428.0	80.342	-12.31	-12.66
407133.9	5740428.2	80.343	-12.44	-12.67
407134.9	5740428.5	80.344	-12.55	-12.67
407135.8	5740428.7	80.345	-12.62	-12.68
407136.8	5740428.9	80.346	-12.68	-12.68
407137.8	5740429.2	80.347	-12.71	-12.69
407138.8	5740429.4	80.348	-12.68	-12.69
407139.7	5740429.6	80.349	-12.36	-12.70
407140.7	5740429.9	80.350	-12.21	-12.71
407190.6	5740440.4	80.401	-12.14	-12.17
407191.6	5740440.5	80.402	-11.94	-12.17
407192.6	5740440.7	80.403	-11.73	-12.18
407193.5	5740440.9	80.404	-11.70	-12.18
407194.5	5740441.1	80.405	-11.67	-12.19
407195.5	5740441.3	80.406	-11.74	-12.19
407196.5	5740441.4	80.407	-11.81	-12.19
407197.5	5740441.6	80.408	-11.86	-12.20
407198.5	5740441.8	80.409	-11.89	-12.20
407199.4	5740442.0	80.410	-11.88	-12.21
407200.4	5740442.1	80.411	-11.84	-12.21
407201.4	5740442.3	80.412	-11.61	-12.22
407202.4	5740442.5	80.413	-11.35	-12.22
407203.4	5740442.7	80.414	-11.33	-12.23
407204.4	5740442.9	80.415	-11.29	-12.23
407205.4	5740443.0	80.416	-11.29	-12.24

407206.3	5740443.2	80.417	-11.31	-12.24
407207.3	5740443.4	80.418	-11.34	-12.24
407208.3	5740443.6	80.419	-11.36	-12.25
407209.3	5740443.8	80.420	-11.37	-12.25
407210.3	5740443.9	80.421	-11.32	-12.26
407211.3	5740444.1	80.422	-11.08	-12.26
407212.2	5740444.3	80.423	-11.04	-12.27
407213.2	5740444.5	80.424	-11.07	-12.27
407214.2	5740444.6	80.425	-10.93	-12.28
407215.2	5740444.8	80.426	-10.92	-12.28
407216.2	5740445.0	80.427	-10.97	-12.29
407217.2	5740445.2	80.428	-10.97	-12.29
407218.1	5740445.4	80.429	-11.07	-12.29
407219.1	5740445.5	80.430	-11.10	-12.30
407220.1	5740445.7	80.431	-11.30	-12.30
407221.1	5740445.9	80.432	-11.40	-12.31
407222.1	5740446.1	80.433	-11.51	-12.31
407223.1	5740446.3	80.434	-11.58	-12.32
407224.0	5740446.4	80.435	-11.64	-12.32
407225.0	5740446.6	80.436	-11.67	-12.33
407226.0	5740446.8	80.437	-11.68	-12.33
407227.0	5740447.0	80.438	-11.70	-12.34
407228.0	5740447.1	80.439	-11.73	-12.34
407229.0	5740447.3	80.440	-11.77	-12.34
407229.9	5740447.5	80.441	-11.81	-12.35
407230.9	5740447.7	80.442	-11.91	-12.35
407231.9	5740447.9	80.443	-11.98	-12.36
407232.9	5740448.0	80.444	-12.10	-12.36
407233.9	5740448.2	80.445	-12.21	-12.37
407234.9	5740448.4	80.446	-12.27	-12.37
407235.9	5740448.6	80.447	-12.23	-12.38
407236.8	5740448.8	80.448	-12.10	-12.38
407237.8	5740448.9	80.449	-12.08	-12.39
407238.8	5740449.1	80.450	-12.12	-12.39
407239.8	5740449.3	80.451	-12.19	-12.39
407240.8	5740449.5	80.452	-12.25	-12.40
407241.8	5740449.6	80.453	-12.32	-12.40
407242.7	5740449.8	80.454	-12.38	-12.41
407243.7	5740450.0	80.455	-12.42	-12.41