

Table 1. Colour coding of distances based on changes induced by Storm Emma change, and proposed new road width and Storm recession buffers

	Distances from the back of A379 road		
Vulnerability Level	4m Landward	Vegetation Line	4m Seaward
Red	< 18.6m 8m road width plus one Storm Emma recession	< 10.6m One Storm Emma recession	< 15.2m One Storm Emma recession
Amber	18.6m < and < 29.2m 8m road width plus two Storm Emma recessions	10.6m < and < 21.2m Between one and two Storm Emma recessions	15.2m < and < 30.4m Between one and two Storm Emma recessions
Green	> 29.2m More than 8m road width plus two Storm Emma recessions	> 21.2m More than two Storm Emma recessions	> 30.4m More than two Storm Emma recessions

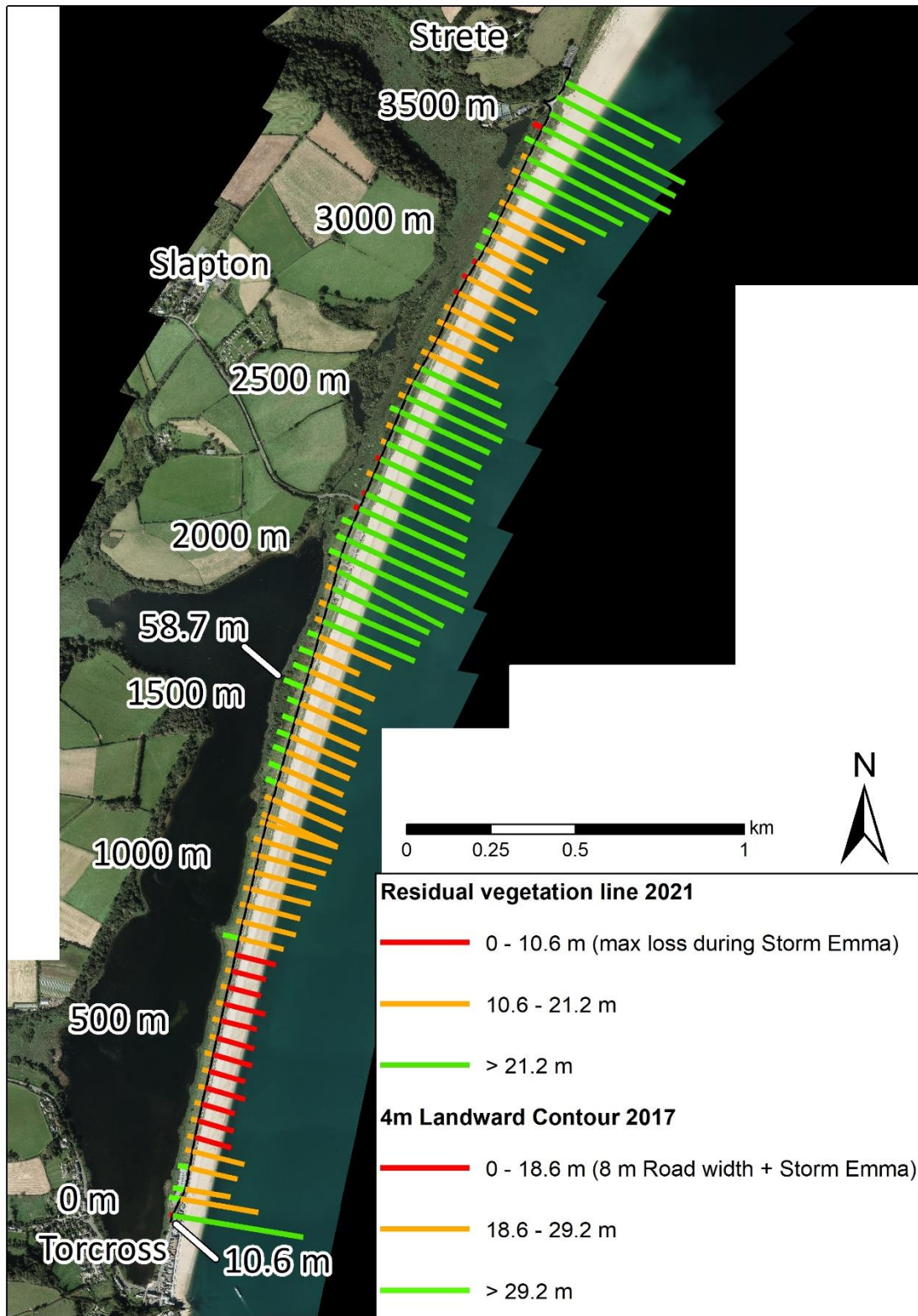


Figure 1. Updated distances from the back of the A379, including new road alignment, to the residual vegetation line as measured in May 2021, and landward 4m contour, scaled for visualisation and colour coded by length (See Table 1)

Table 2. Updated distances calculated from the back of the A379 road to the extracted contours, including the realigned section (profile 6b01254 to 6b01273, coloured blue on the left-hand side of the table) completed in October 2018. Colours correspond to the distance thresholds set out in Table 1

Profile	Chainage (m)	4m Landward 2017/06 (m)	Pre-Emma Veg Line 2017/10 (m)	Post-Emma Veg Line 2018/05 (m)	Veg Line 2021/05 (m)	Pre-Emma 4m Seaward 2017/10 (m)	Post-Emma 4m Seaward 2018/05 (m)	4m Seaward 2021/05 (m)
6b01243	3570	N/A	31.39	31.46	31.42	79.26	64.19	89.67
6b01244	3520	N/A	26.46	26.46	26.40	78.78	63.53	89.41
6b01245	3470	N/A	37.03	37.03	36.98	68.93	55.20	80.64
6b01246	3420	13.32	36.70	36.44	36.40	63.90	50.20	74.88
6b01247	3370	34.36	37.74	37.74	37.05	59.72	46.68	70.29
6b01248	3320	21.52	34.23	33.86	33.09	55.16	41.36	65.22
6b01249	3270	28.85	29.80	29.80	27.63	50.10	36.26	59.93
6b01250	3219	19.78	27.77	25.05	25.00	45.94	31.73	54.03
6b01251	3170	21.16	24.51	22.26	21.16	41.22	27.17	51.22
6b01252	3122	33.41	21.92	18.81	17.37	37.94	24.11	48.07
6b01253	3072	29.39	19.66	15.40	14.84	33.14	19.80	43.03
6b01254	3025	29.79	17.72	13.11	12.67	31.29	17.44	31.50
6b01255	2976	13.85	19.58	14.94	14.67	32.17	19.11	33.01
6b01256	2925	16.75	24.01	18.44	18.84	34.90	22.25	45.99
6b01257	2872	15.05	26.04	22.06	15.00	36.17	23.97	46.88
6b01258	2820	22.34	26.66	19.69	16.47	35.36	23.72	44.85
6b01259	2771	23.22	22.84	16.44	14.10	31.73	21.07	41.44
6b01260	2718	25.12	22.35	16.04	11.96	32.72	21.13	39.73
6b01261	2670	25.19	24.88	18.40	18.34	35.83	21.98	42.36
6b01262	2622	22.44	26.07	21.19	21.35	38.45	26.02	45.59
6b01263	2574	20.92	29.13	25.06	24.92	41.27	30.62	48.41
6b01264	2530	25.12	29.44	25.63	25.51	41.06	29.75	49.27
6b01265	2480	32.64	28.74	23.89	23.79	40.13	28.50	44.09
6b01266	2430	22.77	29.11	24.05	23.23	39.36	28.18	36.75

6b01267	2378	19.36	29.76	22.97	22.81	41.21	29.13	40.26
6b01268	2328	15.45	29.45	25.11	24.90	41.61	29.70	41.95
6b01269	2275	21.71	32.41	26.06	25.77	44.21	46.74	41.33
6b01270	2216	12.07	32.50	27.26	26.98	44.88	31.86	40.38
6b01271	2168	18.09	34.57	28.29	28.02	47.40	32.77	40.87
6b01272	2118	36.26	39.53	30.29	29.72	50.36	36.25	43.37
6b01273	2068	33.05	40.35	33.34	32.36	48.62	53.35	45.46
6b01274	2020	39.62	40.04	32.82	32.77	49.55	39.55	42.92
6b01275	1972	28.03	37.39	29.19	29.14	45.71	36.41	39.33
6b01276	1918	23.26	32.82	26.40	25.79	42.68	33.95	34.97
6b01277	1865	27.24	35.07	24.51	24.24	39.85	32.06	34.33
6b01278	1816	27.07	32.16	25.34	24.20	40.82	31.91	31.53
6b01279	1769	36.97	27.51	19.13	18.77	36.45	26.97	27.98
6b01280	1715	47.97	20.80	11.91	11.74	32.81	24.14	29.23
6b01281	1664	51.97	21.05	17.70	17.02	31.57	25.48	26.74
6b01282	1611	58.71	21.50	15.64	14.68	30.28	23.79	26.41
6b01283	1564	39.92	20.89	18.08	17.40	29.32	25.31	25.96
6b01284	1510	40.56	20.41	17.67	16.83	28.46	25.64	25.88
6b01285	1461	43.50	21.81	17.61	17.10	28.59	24.68	26.24
6b01286	1415	42.50	21.67	16.76	16.46	28.13	25.67	26.18
6b01287	1364	41.13	22.02	16.41	16.09	28.07	24.71	25.78
6b01288	1317	37.38	22.78	18.44	17.76	28.45	27.68	26.20
6b01289	1268	25.94	23.23	18.53	18.22	29.34	27.81	28.41
6b01290	1215	20.79	23.96	18.38	17.88	29.42	27.43	27.78
6b01291	1193	19.91	23.32	18.36	18.02	29.10	26.54	27.03
6b01292	1142	26.53	22.49	17.91	17.40	27.71	26.91	25.22
6b01293	1096	21.84	20.91	17.34	16.63	26.62	25.67	25.55
6b01294	1045	20.78	18.81	16.09	15.07	25.03	24.38	24.01

6b01295	995	23.33	17.09	15.37	14.75	23.08	21.75	21.16
6b01296	945	21.76	16.67	15.56	13.01	22.86	21.46	19.55
6b01297	895	21.23	16.33	16.05	12.92	22.02	21.45	18.92
6b01298	845	49.86	14.28	13.82	10.71	21.55	20.64	17.48
6b01299	795	25.48	14.44	12.29	9.72	18.06	18.68	16.50
6b01300	745	20.78	12.31	10.55	8.04	17.26	18.06	14.12
6b01301	695	22.18	11.67	10.56	7.79	14.81	16.95	14.78
6b01302	645	24.73	11.45	9.95	9.89	14.30	17.44	14.49
6b01303	595	25.73	9.45	8.66	8.61	13.68	16.38	13.08
6b01304	540	22.53	9.38	9.08	9.03	12.76	15.49	11.90
6b01305	490	26.93	9.56	9.53	9.48	12.67	15.64	11.79
6b01306	440	22.95	8.94	8.70	8.64	14.67	15.12	12.11
6b01307	390	22.75	9.84	9.64	9.59	13.51	16.10	12.55
6b01308	340	23.73	9.43	7.90	7.85	12.93	16.09	13.59
6b01309	290	23.65	8.61	8.53	8.48	12.31	16.57	12.75
6b01310	240	23.70	8.89	8.86	8.80	12.76	16.30	13.07
6b01311	200	22.59	11.10	11.10	12.72	12.34	15.90	13.89
6b01312	150	35.07	10.00	9.97	11.69	11.29	16.87	12.85
6b01313	80	37.45	10.84	10.84	10.79	11.22	17.30	11.67
6b01314	50	35.22	19.05	19.05	19.00	21.66	26.05	21.57
6b01315	0	10.57	32.25	32.25	32.20	35.03	40.51	35.01

Vegetation line prediction 2031

Based on the change in distance from the back of the A379 road to the residual vegetation line between 2018/05 and 2021/may (3 years), recession rates have been extrapolated for a further 10 years (2031).

Table 3. Colour coding of distances based on changes induced by Storm Emma change, and extrapolated recession rates from 2018 to 2021.

	Distances from the back of A379 road		
Vulnerability Level	4m Landward	Vegetation Line	4m Seaward
Purple	N/A	< 0m (indicative of losing beyond the back of the road)	N/A
Red	< 18.6m 8m road width plus one Storm Emma recession	0m < and < 10.6m One Storm Emma recession	< 15.2m One Storm Emma recession
Amber	18.6m < and < 29.2m 8m road width plus two Storm Emma recessions	10.6m < and < 21.2m Between one and two Storm Emma recessions	15.2m < and < 30.4m Between one and two Storm Emma recessions
Green	> 29.2m More than 8m road width plus two Storm Emma recessions	> 21.2m More than two Storm Emma recessions	> 30.4m More than two Storm Emma recessions

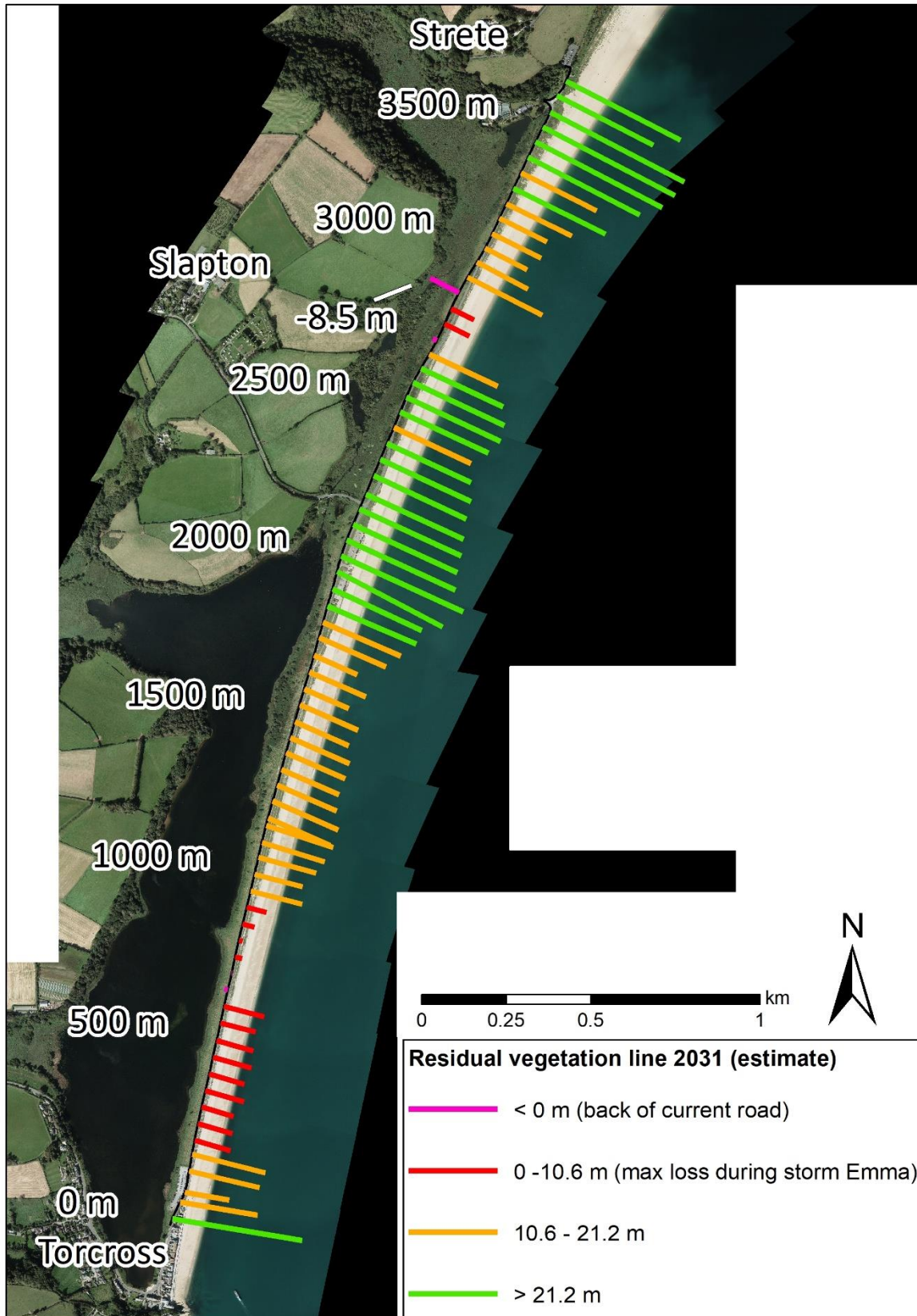


Figure 2. Updated distances from the back of the A379, including new road alignment, to the estimated 2031 residual vegetation line, based on recession rates calculated between 2018 and 2021, scaled for visualisation and colour coded by length (See Table 3)

Table 4. Updated distances calculated from the back of the A379 road to the residual vegetation line, including estimate of 10-year recession. The new road realigned section (profile 6b01254 to 6b01273, coloured blue on the left-hand side of the table) completed in October 2018. Colours correspond to the distance thresholds set out in Table 3

Profile	Chainage (m)	Post-Emma Veg Line 2018/05 (m)	Veg Line 2021/05 (m)	Veg line change 2021-2018 (m)	Vegline 2031 Prediction (m)
6b01243	3570	31.46	31.42	-0.04	31.27
6b01244	3520	26.46	26.40	-0.05	26.23
6b01245	3470	37.03	36.98	-0.05	36.81
6b01246	3420	36.44	36.40	-0.05	36.24
6b01247	3370	37.74	37.05	-0.69	34.74
6b01248	3320	33.86	33.09	-0.77	30.54
6b01249	3270	29.80	27.63	-2.17	20.41
6b01250	3219	25.05	25.00	-0.05	24.85
6b01251	3170	22.26	21.16	-1.10	17.49
6b01252	3122	18.81	17.37	-1.44	12.58
6b01253	3072	15.40	14.84	-0.57	12.95
6b01254	3025	13.11	12.67	-0.44	11.21
6b01255	2976	14.94	14.67	-0.27	13.76
6b01256	2925	18.44	18.84	0.39	20.14
6b01257	2872	22.06	15.00	-7.06	-8.54
6b01258	2820	19.69	16.47	-3.22	5.75
6b01259	2771	16.44	14.10	-2.34	6.28
6b01260	2718	16.04	11.96	-4.08	-1.66
6b01261	2670	18.40	18.34	-0.06	18.15
6b01262	2622	21.19	21.35	0.15	21.85
6b01263	2574	25.06	24.92	-0.14	24.44
6b01264	2530	25.63	25.51	-0.12	25.09
6b01265	2480	23.89	23.79	-0.09	23.48
6b01266	2430	24.05	23.23	-0.82	20.52

6b01267	2378	22.97	22.81	-0.15	22.30
6b01268	2328	25.11	24.90	-0.22	24.18
6b01269	2275	26.06	25.77	-0.30	24.78
6b01270	2216	27.26	26.98	-0.28	26.04
6b01271	2168	28.29	28.02	-0.27	27.12
6b01272	2118	30.29	29.72	-0.56	27.84
6b01273	2068	33.34	32.36	-0.98	29.09
6b01274	2020	32.82	32.77	-0.05	32.61
6b01275	1972	29.19	29.14	-0.05	28.97
6b01276	1918	26.40	25.79	-0.61	23.75
6b01277	1865	24.51	24.24	-0.27	23.33
6b01278	1816	25.34	24.20	-1.14	20.41
6b01279	1769	19.13	18.77	-0.37	17.55
6b01280	1715	11.91	11.74	-0.17	11.17
6b01281	1664	17.70	17.02	-0.69	14.73
6b01282	1611	15.64	14.68	-0.97	11.46
6b01283	1564	18.08	17.40	-0.68	15.14
6b01284	1510	17.67	16.83	-0.84	14.03
6b01285	1461	17.61	17.10	-0.51	15.40
6b01286	1415	16.76	16.46	-0.30	15.45
6b01287	1364	16.41	16.09	-0.32	15.02
6b01288	1317	18.44	17.76	-0.68	15.50
6b01289	1268	18.53	18.22	-0.31	17.18
6b01290	1215	18.38	17.88	-0.49	16.24
6b01291	1193	18.36	18.02	-0.34	16.88
6b01292	1142	17.91	17.40	-0.51	15.68
6b01293	1096	17.34	16.63	-0.71	14.26
6b01294	1045	16.09	15.07	-1.02	11.67

6b01295	995	15.37	14.75	-0.62	12.68
6b01296	945	15.56	13.01	-2.55	4.49
6b01297	895	16.05	12.92	-3.12	2.50
6b01298	845	13.82	10.71	-3.11	0.34
6b01299	795	12.29	9.72	-2.57	1.15
6b01300	745	10.55	8.04	-2.51	-0.34
6b01301	695	10.56	7.79	-2.77	-1.44
6b01302	645	9.95	9.89	-0.06	9.70
6b01303	595	8.66	8.61	-0.05	8.44
6b01304	540	9.08	9.03	-0.05	8.85
6b01305	490	9.53	9.48	-0.05	9.31
6b01306	440	8.70	8.64	-0.05	8.47
6b01307	390	9.64	9.59	-0.05	9.42
6b01308	340	7.90	7.85	-0.05	7.68
6b01309	290	8.53	8.48	-0.05	8.31
6b01310	240	8.86	8.80	-0.05	8.63
6b01311	200	11.10	12.72	1.62	18.12
6b01312	150	9.97	11.69	1.72	17.41
6b01313	80	10.84	10.79	-0.05	10.61
6b01314	50	19.05	19.00	-0.05	18.83
6b01315	0	32.25	32.20	-0.05	32.03