

UPPER LACHLAN SHIRE COUNCIL
GUNNING WASTE WATER TREATMENT WORKS
EPA LICENCE NO. 3110

Point 1

Discharge to Meadow Creek downstream of Hume Highway

DATE			BOD mg/L	pH	SUSPENDED SOLIDS mg/L	OIL & GREASE	TOTAL PHOSPHORUS
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED					
Limit			20		30	10	
24/01/2012	25/01/2012	2/02/2012	<2	7.9	6	<1	3.8
28/02/2012	29/08/2012	7/03/2012	<2	7.7	5	<1	3.3
20/03/2012	21/03/2012	27/03/2012	<2	7.8	3	<1	2.4
25/04/2012	26/04/2012	1/05/2012	<2	7.7	5	<1	2.8
29/05/2012	30/05/2012	5/06/2012	<2	8	<2	<1	2.3
27/06/2012	27/06/2012	2/07/2012	<2	8.1	<2	<1	2.3
24/07/2012	25/07/2012	31/07/2012	<2	8.2	3	<1	2.2
22/08/2012	22/08/2012	27/08/2012	<2	8.2	3	<1	2.3
25/09/2012	26/09/2012	2/10/2012	<2	8.3	4	<1	2.8
30/10/2012	31/10/2012	5/11/2012	3	7.9	6	<1	3.2
28/11/2012	29/11/2012	4/12/2012	3	7.9	8	<1	3.9
19/12/2012	20/12/2012	27/12/2012	5	7.8	14	<1	3.9
31/01/2013	31/01/2013	5/02/2013	4	8.1	13	<1	4.2
27/02/2013	28/02/2013	5/03/2013	2	8	6	<1	4.6
27/03/2013	28/03/2013	4/04/2013	3	8.3	10	<1	4.5
29/05/2013	30/05/2013	4/06/2013	<2	7.9	3	<1	5.6
26/06/2013	27/06/2013	2/07/2013	<2	8	9	<1	5.6
30/07/2013	31/07/2013	5/08/2013	2	7.9	6	<1	5.9
27/08/2013	28/08/2013	3/09/2013	4	8	10	<1	5.9
2/10/2013	2/10/2013	10/10/2013	12	8.2	22	1	6.2
29/10/2013	30/10/2013	4/11/2013	10	8	33	<1	6.5
17/12/2013	18/12/2013	30/12/2013	8	8.57	19	<1	6.54
4/02/2014	5/02/2014	13/02/2014	2	8.27	7	<1	6.3
26/02/2014	26/02/2014	4/03/2014	3	8.15	8	<1	8.93
28/03/2014	28/03/2014	8/04/2014	<2	8.43	18	<1	7.59
21/04/2014	23/04/2014	1/05/2014	<2	8.47	15	<1	7.52
29/05/2014	29/05/2014	10/06/2014	<2	7.88	6	<1	7.35
30/06/2014	30/06/2014	7/07/2014	<2	8.24	4	<1	7.41
30/07/2014	30/07/2014	8/08/2014	2	8.06	18	<1	6.09
27/08/2014	27/08/2014	5/09/2014	<2	7.9	7	<1	5.28
30/09/2014	1/10/2014	8/10/2014	10	8.9	17	<1	5.14
28/10/2014	29/10/2014	3/11/2014	<2	8.13	11	<1	5.87
18/11/2014	20/11/2014	26/11/2014	<2	8.06	9	<1	6.5
22/12/2014	23/12/2014	5/01/2015	2	8.68	9	<1	6.23
27/01/2015	28/01/2015	4/02/2015	8	8.51	18	<1	5.87
25/02/2015	26/02/2015	4/03/2015	4	8.44	11	<1	6.7
31/03/2015	1/04/2015	13/04/2015	<2	9.13	6	<1	4.15
28/04/2015	29/04/2015	7/05/2015	<2	8.14	6	<1	6.23
9/06/2015	10/06/2015	18/06/2015	<2	8.05	4	<1	5
30/06/2015	1/07/2015	9/07/2015	<2	8.03	<2	<1	4.21
28/07/2015	29/07/2015	4/08/2015	<2	8.28	<2	<1	3.73
25/08/2015	26/08/2015	3/09/2015	<2	8.12	3	<1	3.61
22/09/2015	23/09/2015	2/10/2015	<2	7.96	6	<1	4.54
27/10/2015	28/10/2015	4/11/2015	3	8.26	7	<1	6.21
17/12/2015	17/12/2015	30/12/2015	2	8.3	9	<1	7.15
19/01/2016	20/01/2016	29/01/2016	3	8.28	6	<1	7.82
1/03/2016	2/03/2016	10/03/2016	2	8.19	10	<1	8.2
5/04/2016	6/04/2016	18/04/2016	<2	7.95	7	<1	6.98
26/04/2016	27/04/2016	5/05/2016	<2	8.03	9	<1	7.46
24/05/2016	25/05/2016	7/06/2016	<2	8.2	6	<1	6.28
21/06/2016	22/06/2016	4/07/2016	<2	8.02	5	<1	4.81
26/07/2016	27/07/2016	2/08/2016	<2	8.08	5	<1	3.88
23/08/2016	24/08/2016	30/08/2016	<2	8.05	6	<1	3.75
29/09/2016	29/09/2016	11/10/2016	<2	8.02	10	<1	2.64
25/10/2016	26/10/2016	1/11/2016	<2	7.95	7	<1	3.07
29/11/2016	30/11/2016	6/12/2016	2	8.35	8	<1	4.27
20/12/2016	21/12/2016	3/01/2017	2	8.19	18	<1	4.79
24/01/2017	25/01/2017	31/01/2017	<2	8.26	14	<1	6.06

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28/02/2017	1/03/2017	2/03/2017	6	8.44	24	<1	7.15
28/03/2017	29/03/2017	5/04/2017	8	8.52	31	<1	6.73
28/04/2017	28/04/2017	8/05/2017	3	7.96	17	<1	6.35
23/05/2017	24/05/2017	30/05/2017	2	7.99	8	<1	5.86
27/06/2017	28/06/2017	4/07/2017	<2	8.03	14	1	5.35
22/08/2017	23/08/2017	29/08/2017	2	8.09	7	<1	5.04
26/09/2017	27/09/2017	5/10/2017	<2	8.15	11	<1	5.54
25/10/2017	26/10/2017	1/11/2017	<2	8.24	5	<1	6.13
29/11/2017	29/11/2017	4/12/2017	<2	8.02	6	<1	6.75
18/12/2017	20/12/2017	29/12/2017	<2	8.03	6	<1	6.18
24/01/2018	24/01/2018	1/02/2018	<2	8.34	16	<1	5.81
27/02/2018	28/02/2018	9/03/2018	15	8.41	29	<1	6.82
27/03/2018	28/03/2018	6/04/2018	5	8.01	19	<1	7.21
30/04/2018	1/05/2018	8/05/2018	3	8.02	21	<1	7.08
29/05/2018	30/05/2018	6/06/2018	5	7.96	20	<1	5.57
26/06/2018	27/06/2018	2/07/2018	2	7.86	11	<1	5.33
24/07/2018	25/07/2018	31/07/2018	<2	7.98	5	<1	5.3
28/08/2018	29/08/2018	7/09/2018	3	8.05	8	<1	4.98
25/09/2018	26/09/2018	5/10/2018	3	7.94	9	<1	5.57
30/10/2018	31/10/2018	6/11/2018	2	8.12	7	<1	5.2
27/11/2018	27/11/2018	7/12/2018	4	8.22	4	<1	3.8
18/12/2018	19/12/2018	2/01/2019	<2	8.14	10	<1	4.61
29/01/2019	30/01/2019	12/02/2019	3	8.27	23	<1	4.9
26/02/2019	27/02/2019	14/03/2019	7	8.7	54	<1	5.42
26/03/2019	27/03/2019	5/04/2019	5	8.38	24	<1	5.39
30/04/2019	1/05/2019	15/05/2019	<2	7.9	10	<1	5.81
21/05/2019	22/05/2019	4/06/2019	<2	8	5	<1	5.55
25/06/2019	26/06/2019	8/07/2019	3	8.18	8	<1	5.19
30/07/2019	31/07/2019	9/08/2019	<2	7.99	7	<1	5.24
27/08/2019	28/08/2019	6/09/2019	<2	8.3	3	<1	5.27
24/09/2019	25/09/2019	2/10/2019	5	8.13	15	<1	6.91
29/10/2019	30/10/2019	8/11/2019	2	8.13	4	<1	0.03
27/11/2019	27/11/2019	9/12/2019	3	8.09	21	<1	7.57
23/12/2019	23/12/2019	13/01/2020	5	8.54	24	<1	6.09
29/01/2020	29/01/2020	11/02/2020	3	8.3	5	<1	0.92
27/02/2020	27/02/2020	13/03/2020	2	7.92	17	<1	8.38
29/03/2020	30/03/2020	14/04/2020	<2	8.11	8	<1	8.36
28/02/2020	29/04/2020	6/05/2020	5	8.23	7	<1	7.77
26/05/2020	27/05/2020	4/06/2020	<2	8.05	4	<1	6.16
3/07/2020	3/07/2020	13/07/2020	<2	8.19	3	<1	5.47
28/07/2020	29/07/2020	5/08/2020	<2	8.16	3	<1	5.42
31/08/2020	1/09/2020	8/09/2020	<2	8.02	19	<1	3.09
29/09/2020	30/09/2020	8/10/2020	2	7.74	5	<1	4.47
27/10/2020	28/10/2020	5/11/2020	<2	7.6	11	<1	4.73
24/11/2020	25/11/2020	4/12/2020	5	8.08	9	<1	5.08
22/12/2020	22/12/2020	5/01/2021	4	8.18	16	<1	5.13
27/01/2021	27/01/2021	4/02/2021	7	8	19	<1	5.68
25/02/2021	25/02/2021	9/03/2021	4	8.11	13	<1	5.98
29/03/2021	30/03/2021	12/04/2021	4	8.09	10	<1	4.41
27/04/2021	28/04/2021	4/05/2021	9	8.19	19	<1	3.86
27/05/2021	27/05/2021	7/06/2021	<2	8.03	11	<1	4.86
22/06/2021	23/06/2021	30/06/2021	<2	7.57	10	<1	4.62
27/07/2021	28/07/2021	3/08/2021	<2	7.53	9	<1	0.07
24/08/2021	25/08/2021	1/09/2021	<2	8.16	10	<1	3.56
28/09/2021	29/09/2021	8/10/2021	3	7.99	8	<1	3.14
26/10/2021	27/10/2021	4/11/2021	3	8.01	5	<1	3.07
22/11/2021	23/11/2021	2/12/2021	<2	7.98	<2	<1	2.46
20/12/2021	21/12/2021	31/12/2021	3	8.12	8	<1	3.05
31/01/2022	31/01/2022	8/02/2022	6	8.51	21	<1	2.86
28/02/2022	28/02/2022	8/03/2022	22	9.01	47	<1	3.17
29/03/2022	30/03/2022	7/04/2022	8	8.81	38	<1	3.6
26/04/2022	27/04/2022	4/05/2022	5	8.28	26	<1	2.95
30/05/2022	31/05/2022	9/06/2022	2	7.69	4	<1	2.44
27/07/2022	28/07/2022	9/08/2022	<2	8.16	5	<1	2.74

**UPPER LACHLAN SHIRE COUNCIL
GUNNING WASTE WATER TREATMENT WORKS**

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30/08/2022	31/08/2022	6/09/2022	2	7.82	11	<1	3.4
28/09/2022	29/09/2022	7/10/2022	2	8	9	<1	4.52
26/10/2022	27/10/2022	7/11/2022	2	7.96	5	<1	3.51
30/11/2022	1/12/2022	8/12/2022	6	8.37	9	<1	1.88
20/12/2022	20/12/2022	3/01/2023	5	8.14	7	<1	2.37
30/01/2023	30/01/2023	8/02/2023	9	9.05	20	<1	2.3
28/02/2023	28/02/2023	8/03/2023	8	8.51	22	<1	4.31

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GUNNING WASTE WATER TREATMENT WORKS
EPA LICENCE NO. 3110

Point 2

100m Upstream of Discharge Point in Meadow Creek

DATE			BOD mg/L	pH	SUSPENDED SOLIDS mg/L	OIL & GREASE	TOTAL PHOSPHORUS
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED					
24/01/2012	25/01/2012	2/02/2012	<2	7.8	9	<1	0.05
28/02/2012	29/08/2012	7/03/2012	<2	7.5	8	<1	0.09
20/03/2012	21/03/2012	27/03/2012	<2	7.9	4	<1	0.03
25/04/2012	26/04/2012	1/05/2012	<2	7.9	5	<1	0.02
29/05/2012	30/05/2012	5/06/2012	<2	8	3	<1	0.02
27/06/2012	27/06/2012	2/07/2012	<2	8	10	<1	0.03
24/07/2012	25/07/2012	31/07/2012	<2	8	5	<1	0.04
22/08/2012	22/08/2012	27/08/2012	<2	8.2	4	<1	0.02
25/09/2012	26/09/2012	2/10/2012	<2	8	11	<1	0.02
30/10/2012	31/10/2012	5/11/2012	<2	7.9	6	<1	0.02
28/11/2012	29/11/2012	4/12/2012	<2	8	8	<1	0.04
19/12/2012	20/12/2012	27/12/2012	<2	7.8	10	<1	0.06
27/02/2013	28/02/2013	5/03/2013	<2	7.6	9	<1	0.06
27/03/2013	28/03/2013	4/04/2013	<2	8.1	13	<1	0.11
29/05/2013	30/05/2013	4/06/2013	6	8.2	23	<1	0.77
26/06/2013	27/06/2013	2/07/2013	3	7.6	83	<1	0.09
30/07/2013	31/07/2013	5/08/2013	<2	7.8	12	<1	0.03
27/08/2013	28/08/2013	3/09/2013	<2	8.1	<2	<1	0.01
2/10/2013	2/10/2013	10/10/2013	<2	8.1	5	<1	0.02
29/10/2013	30/10/2013	4/11/2013	<2	8	6	<1	0.02
17/12/2013	18/12/2013	30/12/2013	<2	7.95	6	<1	0.11
4/02/2014	5/02/2014	13/02/2014	<2	8.2	13	<1	0.27
26/02/2014	26/02/2014	4/03/2014	4	7.54	21	<1	0.11
28/03/2014	28/03/2014	8/04/2014	<2	7.85	16	<1	0.04
21/04/2014	23/04/2014	1/05/2014	<2	7.86	6	<1	0.04
29/05/2014	29/05/2014	10/06/2014	3	7.76	12	<1	0.05
30/06/2014	30/06/2014	7/07/2014	<2	7.96	26	<1	0.08
30/07/2014	30/07/2014	8/08/2014	<2	8.1	8	<1	0.02
27/08/2014	27/08/2014	5/09/2014	5	7.59	55	<1	0.1
30/09/2014	1/10/2014	8/10/2014	<2	8.07	6	<1	0.02
28/10/2014	29/10/2014	3/11/2014	<2	8.1	14	<1	0.03
18/11/2014	20/11/2014	26/11/2014	<2	7.99	6	<1	0.03
22/12/2014	23/12/2014	5/01/2015	4	7.88	16	<1	0.07
27/01/2015	28/01/2015	4/02/2015	2	7.86	10	<1	0.04
25/02/2015	26/02/2015	4/03/2015	<2	7.89	15	<1	0.04
31/03/2015	1/04/2015	13/04/2015	<2	7.74	12	<1	0.03
28/04/2015	29/04/2015	7/05/2015	<2	7.8	4	<1	0.03
9/06/2015	10/06/2015	18/06/2015	<2	8.01	2	<1	0.02
30/06/2015	1/07/2015	9/07/2015	<2	7.91	6	<1	0.02
28/07/2015	29/07/2015	4/08/2015	<2	8.18	3	<1	0.02
25/08/2015	26/08/2015	3/09/2015	4	7.57	140	<1	0.13
22/09/2015	23/09/2015	2/10/2015	<2	8.12	5	<1	0.02
27/10/2015	28/10/2015	4/11/2015	<2	8.2	5	<1	0.03
17/12/2015	17/12/2015	30/12/2015	<2	8.11	10	<1	0.08
19/01/2016	20/01/2016	29/01/2016	<2	8.23	9	<1	0.29
1/03/2016	2/03/2016	10/03/2016	2	7.85	16	<1	0.12
5/04/2016	6/04/2016	18/04/2016	<2	7.89	11	<1	0.16
26/04/2016	27/04/2016	5/05/2016	<2	8.04	7	<1	0.11
24/05/2016	25/05/2016	7/06/2016	<2	8.04	11	<1	0.03
21/06/2016	22/06/2016	4/07/2016	<2	8.31	32	<1	0.07
26/07/2016	27/07/2016	2/08/2016	<2	7.81	17	<1	0.05
23/08/2016	24/08/2016	30/08/2016	<2	8.13	4	<1	0.02
29/09/2016	29/09/2016	11/10/2016	<2	7.99	7	<1	0.02
25/10/2016	26/10/2016	1/11/2016	<2	7.74	14	<1	0.04
29/11/2016	30/11/2016	6/12/2016	2	8.1	3	<1	0.02
20/12/2016	21/12/2016	3/01/2017	<2	7.94	12	<1	0.03
24/01/2017	25/01/2017	31/01/2017	<2	8.16	6	<1	0.05
28/02/2017	1/03/2017	2/03/2017	<2	8.24	15	<1	0.09
28/03/2017	29/03/2017	5/04/2017	2	7.93	58	<1	0.08

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28/04/2017	28/04/2017	8/05/2017	<1	7.98	9	<1	0.64
23/05/2017	24/05/2017	30/05/2017	<2	7.99	5	<1	0.02
27/06/2017	28/06/2017	4/07/2017	<2	7.99	8	<1	0.47
22/08/2017	23/08/2017	29/08/2017	<2	8.17	2	<1	0.02
26/09/2017	27/09/2017	5/10/2017	<2	8.08	4	<1	0.01
25/10/2017	26/10/2017	1/11/2017	<2	8.14	8	<1	0.03
29/11/2017	29/11/2017	4/12/2017	8	7.42	555	<1	0.31
18/12/2017	20/12/2017	29/12/2017	4	7.92	14	<1	0.06
24/01/2018	24/01/2018	1/02/2018	2	8.16	13	<1	0.07
27/02/2018	28/02/2018	9/03/2018	3	7.58	22	<1	0.11
27/03/2018	28/03/2018	6/04/2018	<2	7.97	16	<1	0.05
30/04/2018	1/05/2018	8/05/2018	<2	7.85	18	<1	0.07
29/05/2018	30/05/2018	6/06/2018	3	8.01	12	<1	0.04
26/06/2018	27/06/2018	2/07/2018	<2	7.9	3	<1	0.03
24/07/2018	25/07/2018	31/07/2018	<2	8.07	5	<1	0.02
28/08/2018	29/08/2018	7/09/2018	<2	8.07	7	<1	<0.01
25/09/2018	26/09/2018	5/10/2018	<2	8.03	7	<1	0.02
30/10/2018	31/10/2018	6/11/2018	<2	8.05	9	<1	0.05
27/11/2018	27/11/2018	7/12/2018	2	7.98	7	<1	0.04
18/12/2018	19/12/2018	2/01/2019	3	7.71	26	<1	0.09
29/01/2019	30/01/2019	12/02/2019	<2	8.04	9	<1	0.05
26/02/2019	27/02/2019	14/03/2019	3	7.94	11	<1	0.08
26/03/2019	27/03/2019	5/04/2019	<2	7.95	10	<1	0.04
30/04/2019	1/05/2019	15/05/2019	<2	7.48	4	<1	0.03
21/05/2019	22/05/2019	4/06/2019	<2	7.7	10	<1	0.03
25/06/2019	26/06/2019	8/07/2019	<2	8.12	<2	<1	0.02
30/07/2019	31/07/2019	9/08/2019	<2	7.85	6	<1	0.01
27/08/2019	28/08/2019	6/09/2019	<2	8.03	6	<1	0.02
24/09/2019	25/09/2019	2/10/2019	<2	7.92	8	<1	0.04
29/10/2019	30/10/2019	8/11/2019	<2	8.07	4	<1	6.75
27/11/2019	27/11/2019	9/12/2019	<2	8.08	17	<1	0.04
23/12/2019	23/12/2019	13/01/2020	<2	8.13	12	<1	<0.01
29/01/2020	29/01/2020	11/02/2020	4	8.11	11	<1	0.12
27/02/2020	27/02/2020	13/03/2020	3	7.32	19	<1	0.92
29/03/2020	30/03/2020	14/04/2020	2	7.96	10	<1	0.06
28/02/2020	29/04/2020	6/05/2020	<2	7.96	6	<1	0.03
26/05/2020	27/05/2020	4/06/2020	<2	7.95	3	<1	0.02
3/07/2020	3/07/2020	13/07/2020	<2	8.08	6	<1	0.03
28/07/2020	29/07/2020	5/08/2020	<2	8.27	18	<1	0.02
31/08/2020	1/09/2020	8/09/2020	<2	8.05	12	<1	0.02
29/09/2020	30/09/2020	8/10/2020	<2	7.96	4	<1	0.01
27/10/2020	28/10/2020	5/11/2020	2	7.34	61	<1	0.06
24/11/2020	25/11/2020	4/12/2020	2	8.02	9	<1	0.05
22/12/2020	22/12/2020	5/01/2021	<2	7.95	12	<1	0.04
27/01/2021	27/01/2021	4/02/2021	<2	7.68	11	<1	0.08
25/02/2021	25/02/2021	9/03/2021	<2	8.05	23	<1	0.04
29/03/2021	30/03/2021	12/04/2021	<2	7.15	12	<1	0.05
27/04/2021	28/04/2021	4/05/2021	<2	8.18	6	<1	0.03
27/05/2021	27/05/2021	7/06/2021	<2	8.14	4	<1	0.02
22/06/2021	23/06/2021	30/06/2021	<2	7.52	13	<1	0.03
27/07/2021	28/07/2021	3/08/2021	<2	7.56	41	<1	0.07
24/08/2021	25/08/2021	1/09/2021	3	8.09	22	<1	0.07
28/09/2021	29/09/2021	8/10/2021	<2	8.12	7	1	0.03
26/10/2021	27/10/2021	4/11/2021	<2	7.36	5	<1	0.03
22/11/2021	23/11/2021	2/12/2021	<2	7.81	6	<1	0.04
20/12/2021	21/12/2021	31/12/2021	<2	7.9	42	<1	0.07
31/01/2022	31/01/2022	8/02/2022	<2	7.54	11	<1	0.05
28/02/2022	28/02/2022	8/03/2022	3	7.72	8	<1	0.03
29/03/2022	30/03/2022	7/04/2022	6	7.94	7	<1	0.03
26/04/2022	27/04/2022	4/05/2022	<2	7.99	9	<1	0.03
30/05/2022	31/05/2022	9/06/2022	<2	8.04	8	<1	0.04
27/07/2022	28/07/2022	9/08/2022	<2	8.2	6	<1	<0.01
30/08/2022	31/08/2022	6/09/2022	<2	8	8	<1	0.03
28/09/2022	29/09/2022	7/10/2022	4	8.09	166	<1	0.07

**UPPER LACHLAN SHIRE COUNCIL
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26/10/2022	27/10/2022	7/11/2022	<2	7.89	32	<1	0.1
30/11/2022	1/12/2022	8/12/2022	<2	7.89	9	<1	0.02
20/12/2022	20/12/2022	3/01/2023	<2	7.89	9	<1	0.02
30/01/2023	30/01/2023	8/02/2023	<2	7.83	25	<1	0.04
28/02/2023	28/02/2023	8/03/2023	<2	7.62	12	<1	0.03

UPPER LACHLAN SHIRE COUNCIL
GUNNING WASTE WATER TREATMENT WORKS
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Point 3

100m downstream of discharge point in Meadow Creek

DATE			BOD mg/L	pH	SUSPENDED SOLIDS mg/L	OIL & GREASE	TOTAL PHOSPHORUS
SAMPLES TAKEN	RECEIVED	RESULTS ISSUED					
24/01/2012	25/01/2012	2/02/2012	2	7.9	18	<1	0.38
28/02/2012	29/08/2012	7/03/2012	2	7.5	17	1	0.24
20/03/2012	21/03/2012	27/03/2012	<2	7.9	6	<1	0.05
25/04/2012	26/04/2012	1/05/2012	<2	7.9	8	<1	0.09
29/05/2012	30/05/2012	5/06/2012	<2	8	2	<1	0.07
27/06/2012	27/06/2012	2/07/2012	<2	8	5	<1	0.04
24/07/2012	25/07/2012	31/07/2012	<2	8	7	<1	0.02
22/08/2012	22/08/2012	27/08/2012	<2	8.1	4	<1	0.04
25/09/2012	26/09/2012	2/10/2012	<2	8.1	5	<1	0.09
30/10/2012	31/10/2012	5/11/2012	<2	7.9	9	<1	0.12
28/11/2012	29/11/2012	4/12/2012	5	8.1	14	<1	0.27
19/12/2012	20/12/2012	27/12/2012	<2	8	14	<1	0.17
27/02/2013	28/02/2013	5/03/2013	<2	7.9	9	<1	0.76
27/03/2013	28/03/2013	4/04/2013	3	8.1	18	<1	0.49
29/05/2013	30/05/2013	4/06/2013	<2	8.1	5	<1	0.02
26/06/2013	27/06/2013	2/07/2013	3	7.6	86	<1	0.11
30/07/2013	31/07/2013	5/08/2013	<2	7.8	9	<1	0.24
27/08/2013	28/08/2013	3/09/2013	<2	8	7	<1	0.14
2/10/2013	2/10/2013	10/10/2013	<2	8.1	20	<1	0.32
29/10/2013	30/10/2013	4/11/2013	3	7.9	10	<1	0.76
17/12/2013	18/12/2013	30/12/2013	<2	7.99	6	<1	0.83
4/02/2014	5/02/2014	13/02/2014	<2	8.22	19	<1	0.95
26/02/2014	26/02/2014	4/03/2014	9	7.78	21	<1	0.65
28/03/2014	28/03/2014	8/04/2014	<2	7.82	14	<1	0.10
21/04/2014	23/04/2014	1/05/2014	<2	7.92	13	<1	0.19
29/05/2014	29/05/2014	10/06/2014	<2	7.88	16	<1	0.30
30/06/2014	30/06/2014	7/07/2014	<2	7.96	21	<1	0.10
30/07/2014	30/07/2014	8/08/2014	<2	8.04	8	<1	0.07
27/08/2014	27/08/2014	5/09/2014	5	7.58	45	<1	0.12
30/09/2014	1/10/2014	8/10/2014	<2	8.05	9	<1	0.1
28/10/2014	29/10/2014	3/11/2014	<2	8	34	<1	0.23
18/11/2014	20/11/2014	26/11/2014	<2	7.97	14	<1	0.52
22/12/2014	23/12/2014	5/01/2015	3	8.01	11	<1	0.34
27/01/2015	28/01/2015	4/02/2015	2	7.83	15	<1	0.15
25/02/2015	26/02/2015	4/03/2015	<2	7.96	17	<1	0.6
31/03/2015	1/04/2015	13/04/2015	<2	7.88	12	<1	0.67
28/04/2015	29/04/2015	7/05/2015	<2	7.82	5	<1	0.19
9/06/2015	10/06/2015	18/06/2015	<2	8.07	5	<1	0.35
30/06/2015	1/07/2015	9/07/2015	<2	7.94	7	<1	0.1
28/07/2015	29/07/2015	4/08/2015	<2	8.14	4	<1	0.07
25/08/2015	26/08/2015	3/09/2015	4	7.61	138	<1	0.13
22/09/2015	23/09/2015	2/10/2015	<2	8.07	5	<1	0.12
27/10/2015	28/10/2015	4/11/2015	3	8.25	11	<1	0.35
17/12/2015	17/12/2015	30/12/2015	<2	8.11	14	<1	0.7
19/01/2016	20/01/2016	29/01/2016	<2	8.34	9	<1	1.4
1/03/2016	2/03/2016	10/03/2016	<2	7.85	8	<1	0.88
5/04/2016	6/04/2016	18/04/2016	3	7.91	13	<1	1.56
26/04/2016	27/04/2016	5/05/2016	9	8.11	29	<1	1.81
24/05/2016	25/05/2016	7/06/2016	7	8.26	31	<1	1.02
21/06/2016	22/06/2016	4/07/2016	<2	7.67	33	<1	0.11
26/07/2016	27/07/2016	2/08/2016	<2	7.87	14	<1	0.05
23/08/2016	24/08/2016	30/08/2016	<2	8.12	3	<1	0.11
29/09/2016	29/09/2016	11/10/2016	<2	8.01	7	<1	0.04
25/10/2016	26/10/2016	1/11/2016	<2	7.76	14	<1	0.07
29/11/2016	30/11/2016	6/12/2016	5	8.24	14	<1	0.25
20/12/2016	21/12/2016	3/01/2017	<2	7.99	10	<1	0.03
24/01/2017	25/01/2017	31/01/2017	2	8.15	8	<1	0.06
28/02/2017	1/03/2017	2/03/2017	2	8.25	16	<1	2.19
28/03/2017	29/03/2017	5/04/2017	3	8.09	15	<1	0.66

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28/04/2017	28/04/2017	8/05/2017	<2	7.97	8	<1	0.03
23/05/2017	24/05/2017	30/05/2017	<2	8.03	11	<1	0.25
27/06/2017	28/06/2017	4/07/2017	<2	8.03	2	<1	0.02
22/08/2017	23/08/2017	29/08/2017	<2	8.1	5	<1	0.2
26/09/2017	27/09/2017	5/10/2017	<2	8.19	10	<1	0.37
25/10/2017	26/10/2017	1/11/2017	<2	8.16	7	<1	0.54
29/11/2017	29/11/2017	4/12/2017	7	7.44	545	<1	0.28
18/12/2017	20/12/2017	29/12/2017	2	7.92	11	<1	0.54
24/01/2018	24/01/2018	1/02/2018	7	8.11	7	<1	0.75
27/02/2018	28/02/2018	9/03/2018	3	7.58	26	<1	0.14
27/03/2018	28/03/2018	6/04/2018	<2	7.97	15	<1	1.36
30/04/2018	1/05/2018	8/05/2018	<2	7.92	18	<1	2.31
29/05/2018	30/05/2018	6/06/2018	20	8.17	26	<1	1.29
26/06/2018	27/06/2018	2/07/2018	<2	7.9	7	<1	0.79
24/07/2018	25/07/2018	31/07/2018	<2	8.08	3	<1	0.02
28/08/2018	29/08/2018	7/09/2018	<2	8.12	11	<1	0.63
25/09/2018	26/09/2018	5/10/2018	<2	8.07	11	<1	0.92
30/10/2018	31/10/2018	6/11/2018	2	8.11	9	<1	1.48
27/11/2018	27/11/2018	7/12/2018	<2	7.98	6	<1	1.27
18/12/2018	19/12/2018	2/01/2019	3	7.78	31	<1	0.28
29/01/2019	30/01/2019	12/02/2019	<2	8.04	8	<1	0.69
26/02/2019	27/02/2019	14/03/2019	4	8.01	13	<1	0.81
26/03/2019	27/03/2019	5/04/2019	<2	8.07	11	<1	1.41
30/04/2019	1/05/2019	15/05/2019	<2	7.58	8	<1	1.14
21/05/2019	22/05/2019	4/06/2019	<2	7.79	6	<1	1.22
25/06/2019	26/06/2019	8/07/2019	<2	8.14	6	<1	0.98
30/07/2019	31/07/2019	9/08/2019	<2	8	6	<1	1.17
27/08/2019	28/08/2019	6/09/2019	<2	8.29	9	<1	1.09
24/09/2019	25/09/2019	2/10/2019	<2	7.91	8	<1	0.42
29/10/2019	30/10/2019	8/11/2019	<2	8.08	5	<1	1.42
27/11/2019	27/11/2019	9/12/2019	<2	8.12	18	<1	1.87
23/12/2019	23/12/2019	13/01/2020	<2	8.17	14	<1	2.38
29/01/2020	29/01/2020	11/02/2020	3	8.36	8	<1	2.45
27/02/2020	27/02/2020	13/03/2020	3	7.27	18	<1	0.07
29/03/2020	30/03/2020	14/04/2020	3	8.05	13	<1	1.34
28/02/2020	29/04/2020	6/05/2020	<2	8.01	11	<1	0.58
26/05/2020	27/05/2020	4/06/2020	<2	8	9	<1	0.24
3/07/2020	3/07/2020	13/07/2020	<2	8.16	10	<1	0.2
28/07/2020	29/07/2020	5/08/2020	<2	8.24	18	<1	0.04
31/08/2020	1/09/2020	8/09/2020	<2	8.05	10	<1	0.05
29/09/2020	30/09/2020	8/10/2020	<2	8.02	6	<1	0.2
27/10/2020	28/10/2020	5/11/2020	2	7.43	62	<1	0.08
24/11/2020	25/11/2020	4/12/2020	<2	8.06	3	<1	0.06
22/12/2020	22/12/2020	5/01/2021	<2	8.04	10	<1	0.5
27/01/2021	27/01/2021	4/02/2021	<2	7.86	8	<1	0.84
25/02/2021	25/02/2021	9/03/2021	<2	8.12	14	<1	0.87
29/03/2021	30/03/2021	12/04/2021	<2	7.71	15	<1	0.4
27/04/2021	28/04/2021	4/05/2021	<2	8.23	6	<1	0.44
27/05/2021	27/05/2021	7/06/2021	<2	8.07	9	<1	0.4
22/06/2021	23/06/2021	30/06/2021	<2	7.63	12	<1	0.1
27/07/2021	28/07/2021	3/08/2021	<2	7.55	44	<1	3.78
24/08/2021	25/08/2021	1/09/2021	3	8.06	23	<1	0.09
28/09/2021	29/09/2021	8/10/2021	<2	8.13	8	<1	0.12
26/10/2021	27/10/2021	4/11/2021	<2	8.08	9	<1	0.12
22/11/2021	23/11/2021	2/12/2021	<2	8.06	6	<1	0.08
20/12/2021	21/12/2021	31/12/2021	<2	7.95	42	<1	0.08
31/01/2022	31/01/2022	8/02/2022	<2	8.12	15	<1	0.02
28/02/2022	28/02/2022	8/03/2022	3	7.8	14	<1	0.18
29/03/2022	30/03/2022	7/04/2022	3	8.14	12	<1	0.51
26/04/2022	27/04/2022	4/05/2022	<2	8.01	8	<1	0.2
30/05/2022	31/05/2022	9/06/2022	<2	8.05	8	<1	0.04
27/07/2022	28/07/2022	9/08/2022	<2	8.22	6	<1	0.02
30/08/2022	31/08/2022	6/09/2022	<2	8.01	12	<1	0.05
28/09/2022	29/09/2022	7/10/2022	4	8.1	157	<1	0.11

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26/10/2022	27/10/2022	7/11/2022	2	7.84	32	<1	0.14
30/11/2022	1/12/2022	8/12/2022	<2	7.93	11	<1	0.07
20/12/2022	20/12/2022	3/01/2023	5	7.91	16	<1	0.12
30/01/2023	30/01/2023	8/02/2023	4	8.04	12	<1	0.31
28/02/2023	28/02/2023	8/03/2023	<2	7.73	21	<1	0.51