



Canal &
River Trust
Making life better by water

2022 Annual Lockage Report

Produced: January 2023



Annual Lockage Report 2022

The monitoring of lock operations across the Canal & River Trust network remains an essential element in our water resources management but also to understand the changing patterns in use of the 2,000 miles of waterways in our care. This report marks the 22nd year of publishing an Annual Lockage Report, and covers the period January to December 2022.

Lockage can be defined simply as lock usage through the filling and emptying of a lock chamber, which in turn allows the movement of water and passage of boats. It is important to distinguish lockage from boat movements, which are the actual number of boats which travel through a lock. We have separated boat movements from lockage to acknowledge that averages can be skewed by the boat:lockage ratio (in the case of a typical broad lock, the ratio can be between one and four boats per lockful of water used). For this report, we have based the lockage analysis of each Region on those sites with complete records for both 2021 and 2022 (known as the comparison sites). The number of comparison sites included in the 2022 report is 171, a decrease of 7 compared with the previous report (178). This has mainly been due site counter failures. In the Appendix we have included, for information only, those sites where the data was of insufficient quality for 2021 and/or 2022, and therefore could not be used for year-to-year comparison.

The reasons for year-to-year variations across the different Regions and individual locks are numerous and complex. During 2022, the UK experienced its hottest year on record (in a series dating back to 1884), with England & Wales experiencing its ninth driest Spring (in a series going back to 1910) and the summer being the fifth driest in England & Wales (in a series going back to 1836). This had a major impact on the Trusts water resources, leading to water resources driven closures and restrictions to navigation. In turn, this caused local reductions in lockage and has resulted in a significant impact on the 2022 annual lockage across parts of the network. In addition to this, teams of volunteer lock keepers worked hard to minimise water usage throughout the dry period, encouraging the sharing of locks by boats where possible. Nationally, the total comparable *recorded* lockage in 2022 was around 5% lower than in 2021. The busiest site recorded was Locks 283, Hillmorton on the Oxford Canal, which saw a total of 7,734 lockages in 2022 (there are paired locks at this location) even though it recorded a decrease of 5% since 2021. Lock 4, Cholmondeston on the Shropshire Union Canal was the next busiest lock with 7,414 lockages recorded in 2022, which was an increase of 4% since the previous year.

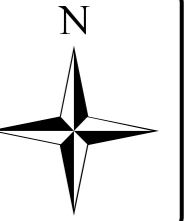
The report contains the following: a summary table ranking the Regions by average annual lock operations for 2022; a map showing the approximate distribution of lockage across the network (interpolated from the nearest lock counter data); maps showing the percentage and actual change in recorded lockage across the network from 2021 to 2022; a table of the 2022 lockage data, ranked from the busiest lock to the least busy, to allow easy identification of where a lock sits nationally in terms of its usage and then detailed reports of lockage and boat movements for the comparison sites within each Region for the last three years, separated into the individual canals within the Region. We have also included a map of the locations of registered volunteer lock keeper teams. I trust you find this report informative. If you have any queries, or would like to see the data in a different format or for a specific purpose, please contact us via email at water.information@canalrivertrust.org.uk.



Dr Adam Comerford
National Hydrology Manager, Water Management team

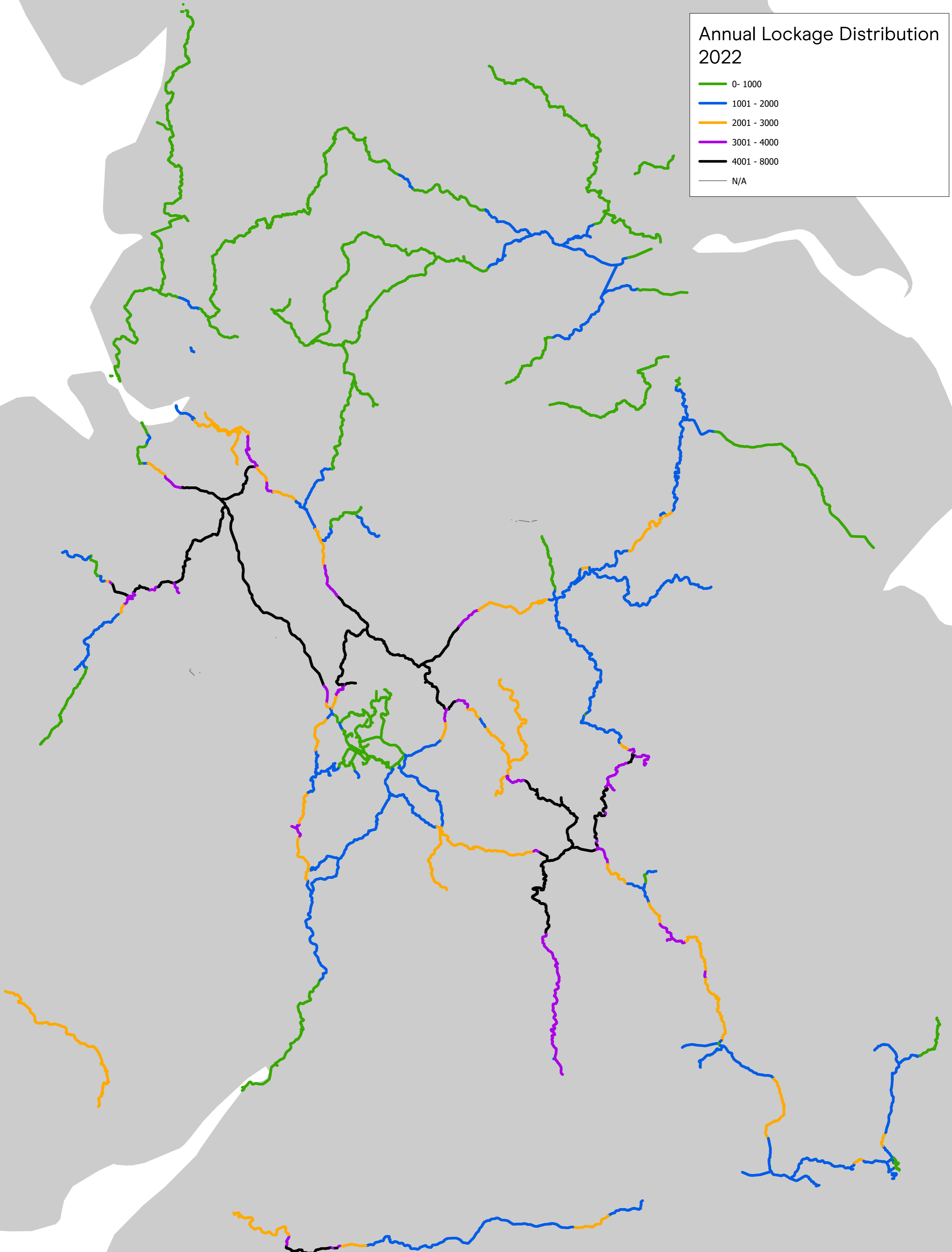
Ranking of Regions 2022

2022 Ranking	Region	Average 2021 Lockage	Average 2022 Lockage	Ranking Position compared with 2021
1	West Midlands	3038	2809	=
2	East Midlands	2409	2593	=
3	Wales & South West	2279	2135	=
4	London & South East	2222	2118	=
5	North West	1596	1445	=
6	Yorkshire & North East	876	906	=

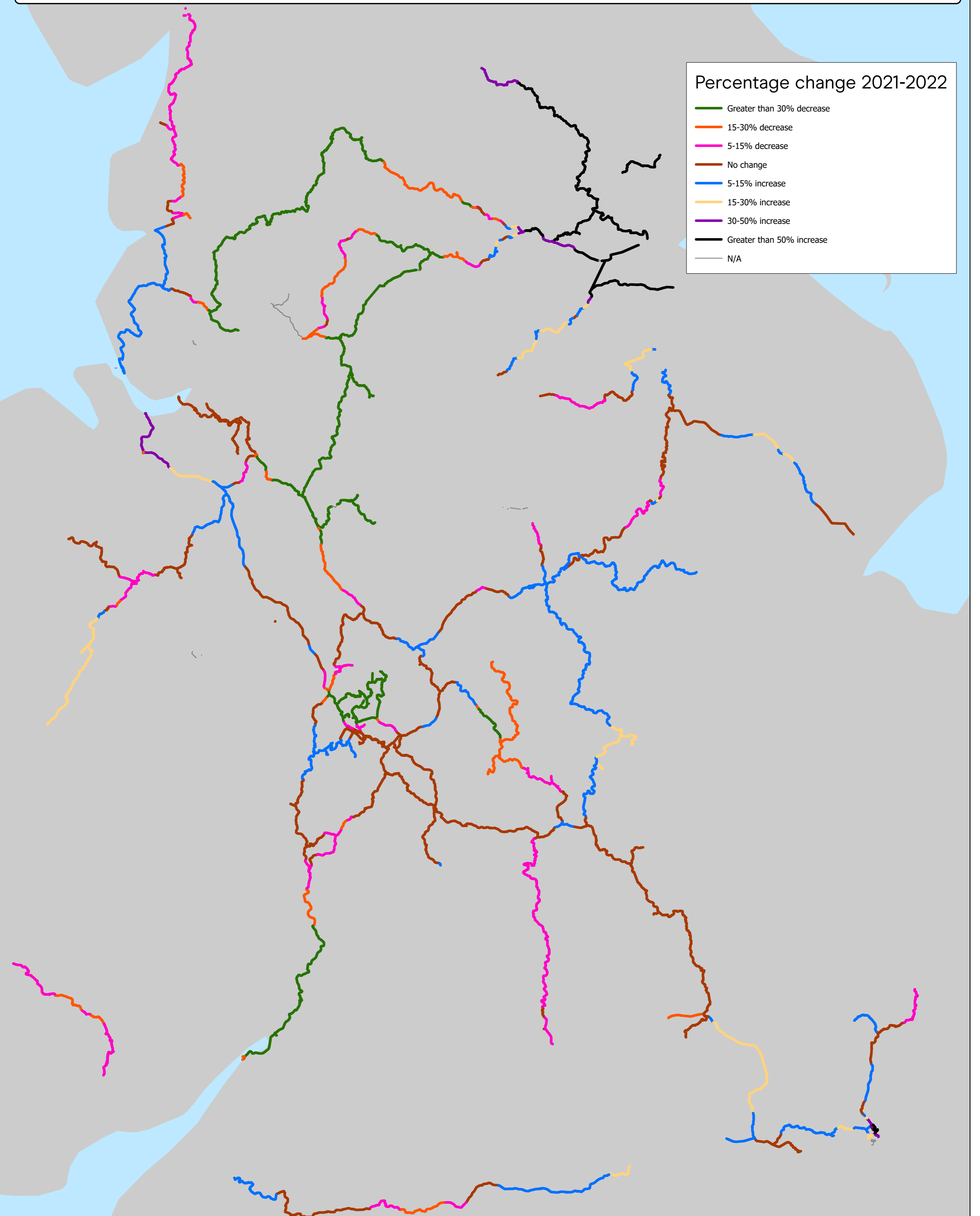
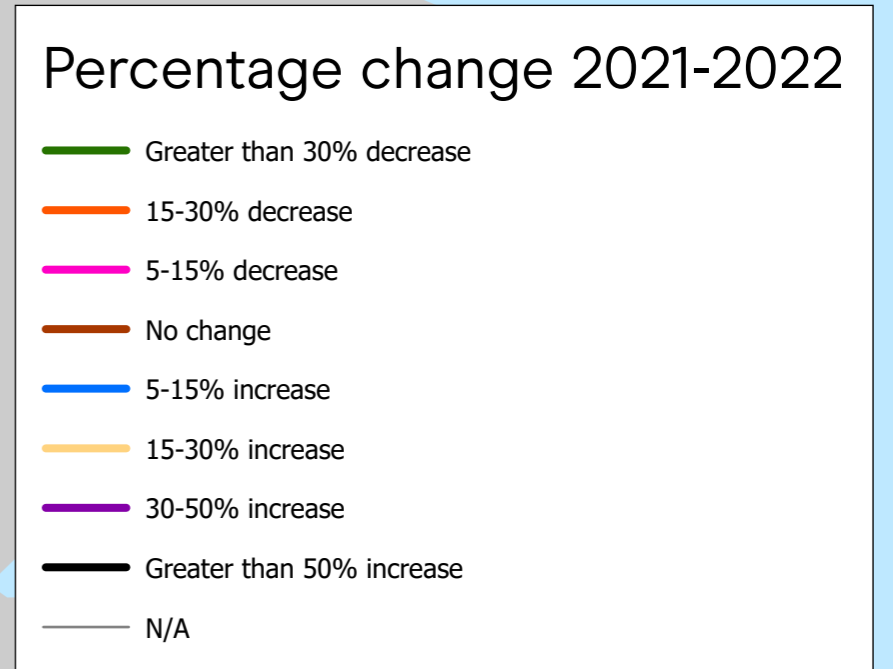
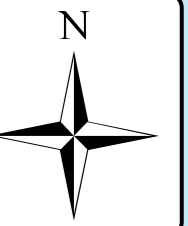


Annual Lockage Distribution 2022

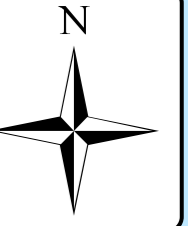
- 0 - 1000
- 1001 - 2000
- 2001 - 3000
- 3001 - 4000
- 4001 - 8000
- N/A



Percentage Lockage Change 2021-22

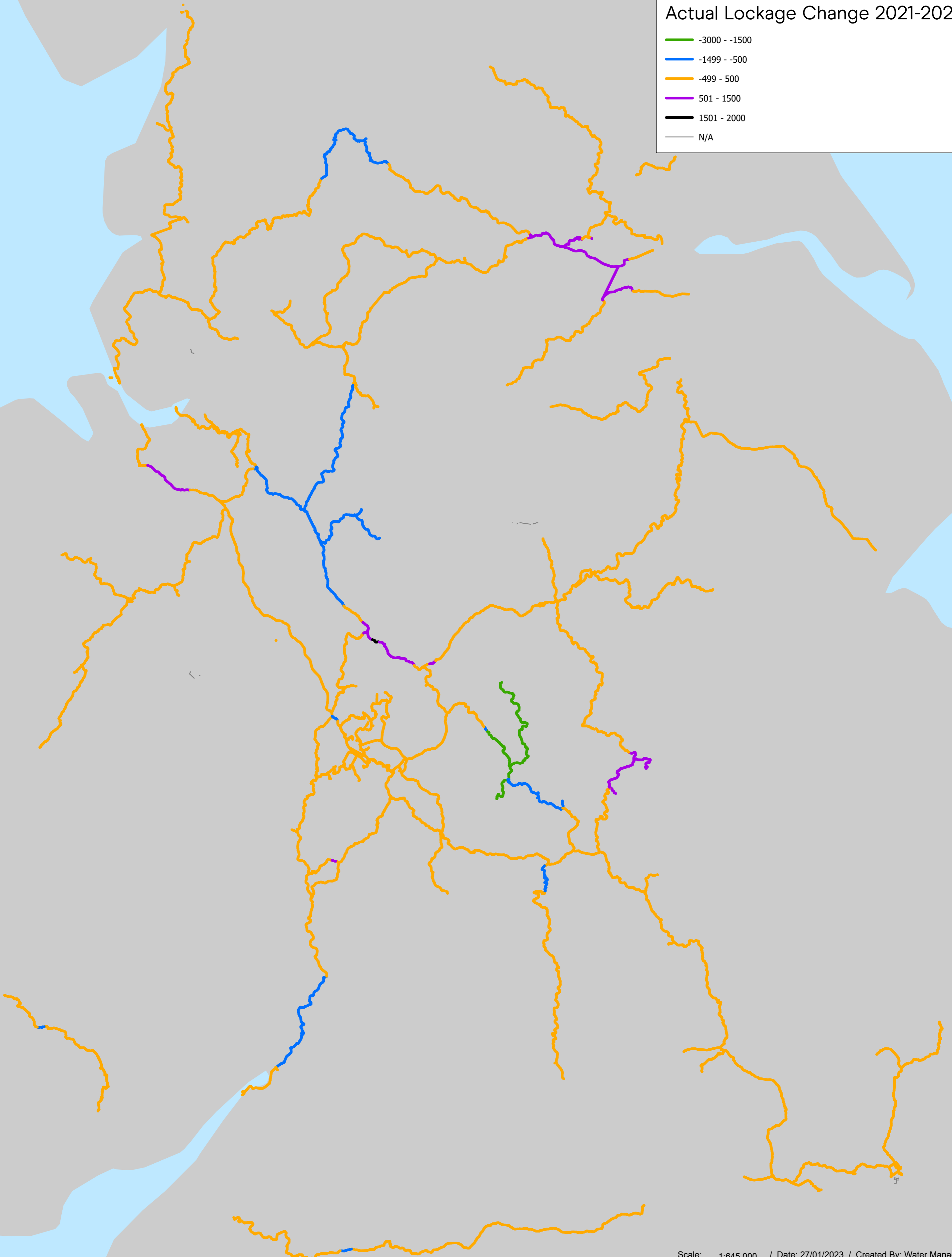


Actual Lockage Change 2021-22



Actual Lockage Change 2021-2022

- 3000 - -1500
- 1499 - -500
- 499 - 500
- 501 - 1500
- 1501 - 2000
- N/A



Lockage Ranking 2022

This table shows the lockage report comparison sites in order of most recorded lockages to least recorded lockages in 2022.

Rank	Waterway	Canal	Site	2022 Lockage
1	West Midlands	Oxford Canal	Locks 283, Hillmorton	7734
2	North West	Shropshire Union	Lock 4, Cholmondeston	7414
3	West Midlands	Llangollen	Lock 2, New Marton	7180
4	West Midlands	Trent & Mersey	Lock 20, Woodend	6599
5	Wales and South West	Kennet & Avon	Lock 14, Bradford on Avon	6120
6	West Midlands	Staffordshire & Worcestershire	Lock 43, Tixall	5835
7	North West	Llangollen	Lock 1, Hurleston	5779
8	West Midlands	Grand Union	Lock 1, Calcutt	5344
9	North West	Llangollen	Marbury Lock	5316
10	West Midlands	Shropshire Union	Wheaton Aston Lock	5260
11	West Midlands	Trent & Mersey	Lock 11, Wychnor	5199
12	West Midlands	Trent & Mersey	Lock 12, Alrewas	5060
13	East Midlands	Grand Union	Lock 6, Braunston	5045
14	West Midlands	Staffordshire & Worcestershire	Lock 33, Brick Kiln	4907
15	West Midlands	Oxford Canal	Lock 8, Napton Bottom	4728
16	West Midlands	Oxford Canal	Lock 15, Marston Doles	4682
17	London and South East	Oxford Canal	Lock 21, Claydon Bottom	4590
18	West Midlands	Coventry & Ashby	Lock 12, Glasgote Top	4421
19	North West	Shropshire Union	Lock 3, Audlem	4297
20	East Midlands	Grand Union	Lock 9, Foxton	4211
21	East Midlands	Grand Union	Lock 1, Watford	4059
22	North West	Trent & Mersey	Lock 75, Big Lock	3918
23	East Midlands	Grand Union	Lock 7, Buckby Top	3815
24	East Midlands	Grand Union	Lock 1, Welford	3768

Rank	Waterway	Canal	Site	2022 Lockage
25	East Midlands	Grand Union	Lock 21, Cosgrove	3685
26	London and South East	Oxford Canal	Lock 32, Nell Bridge	3503
27	West Midlands	Trent & Mersey	Lock 27, Star	3459
28	London and South East	Oxford Canal	Lock 40, Bakers	3439
29	Wales and South West	Kennet & Avon	Lock 15, Semington	3371
30	West Midlands	Staffordshire & Worcestershire	York Street	3253
31	London and South East	Oxford Canal	Lock 46, Isis	3218
32	London and South East	Oxford Canal	Lock 42, Roundham	3142
33	London and South East	Oxford Canal	Lock 44, Dukes	3091
34	East Midlands	Trent & Mersey	Lock 1, Derwent Mouth	2927
35	North West	Shropshire Union	Lock 1, Wardle	2860
36	West Midlands	Trent & Mersey	Lock 37, Cockshutes	2842
37	Wales and South West	Monmouthshire & Brecon	Lock 65, Coombes	2827
38	West Midlands	Staffordshire & Worcestershire	Lock 31, Compton	2755
39	West Midlands	Grand Union	Pumping Station 2, Stockton	2684
40	Wales and South West	Monmouthshire & Brecon	Lock 69, Brynich	2645
41	West Midlands	Grand Union	Lock 23, Radford Bottom	2627
42	West Midlands	Stratford	Lock 38, Preston Bagot	2570
43	East Midlands	Trent & Mersey	Lock 6, Stenson	2522
44	West Midlands	Stratford	Lock 56, River	2482
45	North West	Trent & Mersey	Lock 71, Kings	2480
46	East Midlands	Beeston Canal	Lock 6, Castle	2356
47	Wales and South West	Kennet & Avon	Lock 13, Bath	2313
48	North West	Shropshire Union	Lock 7, Tarvin	2265
49	London and South East	Regents	Lock 2, Hawley	2250
50	West Midlands	Stratford	Lock 23, Lapworth	2240
51	London and South East	Grand Union	Lock 81, Batchworth	2222

Rank	Waterway	Canal	Site	2022 Lockage
52	London and South East	Lee Navigation	Lock 17, Tottenham Lock	2211
53	West Midlands	Coventry & Ashby	Lock 1, Atherstone Top	2207
54	London and South East	Grand Union	Lock 37, Stalkies	2201
55	Wales and South West	Kennet & Avon	Lock 96, Padworth Middle	2172
56	West Midlands	Stratford	Lock 19, Lapworth	2159
57	West Midlands	Stratford	Lock 40, Wilmcote Top	2034
58	West Midlands	Worcester & Birmingham	Lock 15, Offerton	2004
59	Yorkshire and North East	Aire & Calder Navigation	Lock 13, Pollington	1999
60	London and South East	Lee Navigation	Lock 19, Old Ford Lock	1963
61	Yorkshire and North East	Aire & Calder Navigation	Lock 10, Bulholme	1952
62	West Midlands	Stratford	Lock 53, Maidenhead Road	1930
63	London and South East	Grand Union	Lock 46, Cowroast	1913
64	Yorkshire and North East	Aire & Calder Navigation	Lock 12, Whitley Lock	1834
65	London and South East	Hertford Union	Lock 1, Victoria Park Top	1789
66	West Midlands	Coventry & Ashby	Lock 7, Baddesley Basin	1789
67	West Midlands	Birmingham & Fazeley	Lock 1, Top Lock Curdworth	1770
68	West Midlands	Worcester & Birmingham	Lock 2, Diglis	1770
69	North West	Trent & Mersey	Lock 42, Limekiln	1767
70	London and South East	Oxford Canal	Lock 44A, Dukes Cut	1743
71	London and South East	Lee & Stort Navigation	Lock 4, Stanstead	1733
72	Yorkshire and North East	Aire & Calder Navigation	Lock 2, Birkwood Lock	1683
73	Yorkshire and North East	Sheffield & South Yorkshire Navigation	Long Sandall Lock	1680
74	Wales and South West	Kennet & Avon	Lock 76, Wire	1666
75	West Midlands	Worcester & Birmingham	Lock 23, Stoke Prior	1652
76	West Midlands	Worcester & Birmingham	Lock 42, Tardebigge	1649
77	Wales and South West	Kennet & Avon	Lock 51, Wootton Rivers	1643

Rank	Waterway	Canal	Site	2022 Lockage
78	Yorkshire and North East	Aire & Calder Navigation	Lock 7, Lemonroyd Lock	1640
79	Yorkshire and North East	Aire & Calder Navigation	Lock 6, Woodnook Lock	1597
80	Wales and South West	Kennet & Avon	Lock 49, Maton	1595
81	Yorkshire and North East	Aire & Calder Navigation	Lock 3, Kings Road Lock	1506
82	Yorkshire and North East	New Junction Canal	Sykehouse Lock	1492
83	Yorkshire and North East	Aire & Calder Navigation	Lock 5, Woodlesford Lock	1463
84	London and South East	Grand Union	Lock 90, Hanwell flight (Norwood)	1450
85	Wales and South West	Kennet & Avon	Lock 105, Fobney	1408
86	North West	Leeds & Liverpool	Deep Lock, Inside Track (Appley)	1403
87	Yorkshire and North East	Aire & Calder Navigation	Lock 3, Knostrop	1400
88	East Midlands	Grand Union	Lock 18, Kibworth	1389
89	West Midlands	Stourbridge	Lock 4, Stourton Bottom	1342
90	Wales and South West	Kennet & Avon	Lock 60, Crofton	1342
91	Yorkshire and North East	Aire & Calder Navigation	Lock 4, Fishpond Lock	1338
92	West Midlands	Caldon	Lock 3, Planet	1245
93	Yorkshire and North East	Sheffield & South Yorkshire Navigation	Sprotborough Lock	1180
94	Yorkshire and North East	Aire & Calder Navigation	Lock 1, Leeds Lock	1138
95	London and South East	Lee & Stort Navigation	Lock 3, Roydon	1133
96	Yorkshire and North East	Leeds & Liverpool	Lock 29, Bingley 5 Rise Top	1095
97	London and South East	Regents	Lock 12, Commercial Road	1070
98	West Midlands	Grand Union	Lock 3, Camp Hill	1063
99	West Midlands	Montgomery	Lock 3, Aston	1050
100	Yorkshire and North East	Sheffield & South Yorkshire Navigation	Doncaster Lock	1044
101	Yorkshire and North East	Sheffield & South Yorkshire Navigation	Mexborough Top Lock	1018

Rank	Waterway	Canal	Site	2022 Lockage
102	West Midlands	Grand Union	Lock 47, Knowle Bottom	1008
103	West Midlands	Droitwich Canal	Lock 8, Ladywood	996
104	East Midlands	Grand Union	Lock 38, Kings	932
105	North West	Leeds & Liverpool	Lock 1, Leigh Branch Top	927
106	London and South East	Lee & Stort Navigation	Lock 6, Sheering Mill	896
107	West Midlands	Stourbridge	Blowers Green	850
108	North West	Macclesfield	Lock 1, Bosley Top	845
109	East Midlands	Grand Union	Lock 14, Northampton	782
110	West Midlands	Caldon	Lock 11, Hazelhurst Middle	779
111	West Midlands	Birmingham Canal Navigations	Lock 17, Wolverhampton	770
112	London and South East	Grand Union	Lock 1, Aylesbury	769
113	Yorkshire and North East	Sheffield & South Yorkshire Navigation	Swinton (Waddington) Lock	757
114	West Midlands	Caldon	Lock 8, Road Lock	689
115	Yorkshire and North East	Sheffield & South Yorkshire Navigation	Aldwarke Lock	659
116	Yorkshire and North East	Ripon	Lock 3, Oxclose	656
117	Yorkshire and North East	Sheffield & South Yorkshire Navigation	Eastwood (Sir Frank Price) lock	646
118	Yorkshire and North East	Leeds & Liverpool	Lock 6, Spring Garden	610
119	Yorkshire and North East	Leeds & Liverpool	Lock 36, Bank Newton	584
120	North West	Shropshire Union	Ellesmere Port Wide & Narrow	575
121	North West	Leeds & Liverpool	Lock 44, Greenberfield Top	573
122	Yorkshire and North East	Chesterfield	Lock 61, Gringley	566
123	Yorkshire and North East	Leeds & Liverpool	Lock 30, Holme Bridge	563
124	East Midlands	Erewash	Lock 61, Long Eaton	508
125	North West	Leeds & Liverpool	Lock 51, Barrowford Bottom	462
126	Wales and South West	Gloucester & Sharpness	Lock 2, Gloucester	461

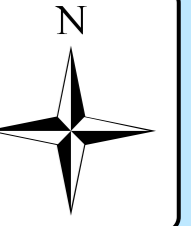
Rank	Waterway	Canal	Site	2022 Lockage
127	North West	Leeds & Liverpool	Lock 45, Barrowford	445
128	North West	Peak Forest	Lock 8, Marple	421
129	Yorkshire and North East	Rochdale	Lock 17, Old Royd	403
130	North West	Ashton	Lock 2, Ancoats	391
131	North West	Ashton	Lock 17, Droylsden	373
132	Yorkshire and North East	Rochdale	Lock 1, Albert Wood	352
133	North West	Leeds & Liverpool	Lock 55, Blackburn	342
134	Yorkshire and North East	Sheffield & Tinsley Canal	Lock 1, Tinsley	311
135	East Midlands	Erewash	Lock 73, Eastwood	303
136	Yorkshire and North East	Chesterfield	Lock 51, Worksop Bracebridge	275
137	Yorkshire and North East	Pocklington	Lock 8, Gardham	268
138	North West	Leeds & Liverpool	Lock 67, Wigan	264
139	Yorkshire and North East	Huddersfield Broad	Lock 2, Colne Bridge	249
140	North West	Rochdale	Lock 65, Alfred Street	232
141	North West	Huddersfield Narrow	Lock 22W, Upper Mill	225
142	Yorkshire and North East	Ripon	Lock 1, Rhodesfield	223
143	North West	Lancaster	Lock 1, Lodgehill	214
144	North West	Huddersfield Narrow	Lock 3W, Ashton	186
145	Wales and South West	Gloucester & Sharpness	Sharpness Lock	186
146	North West	Huddersfield Narrow	Lock 12W, HNC	181
147	North West	Rochdale	Lock 48, Lower Littleborough	166
148	North West	Lancaster	Lock 2, Ribble	156
149	North West	Huddersfield Narrow	Lock 30W, Shaw Mill	151
150	London and South East	Old River Lea	Lock 1a, Carpenter's Road Lock	150
151	Yorkshire and North East	Chesterfield	Lock 34, Double Bottom Turnerwood	133
152	Yorkshire and North East	Huddersfield Narrow	Lock 41E, Marsden	122
153	West Midlands	Birmingham Canal Navigations	Lock 2, Rushall	112

Rank	Waterway	Canal	Site	2022 Lockage
154	North West	Lancaster	Lock 7, Glasson Basin	107
155	Yorkshire and North East	Huddersfield Narrow	Lock 28E, HNC	101
156	Yorkshire and North East	Huddersfield Narrow	Lock 1E, Stanley Dawson	64
157	West Midlands	Montgomery	Lock 1, Belan	59
158	North West	Shropshire Union	Lock 1, Graving	56

Volunteer Lock Keeper Sites 2022

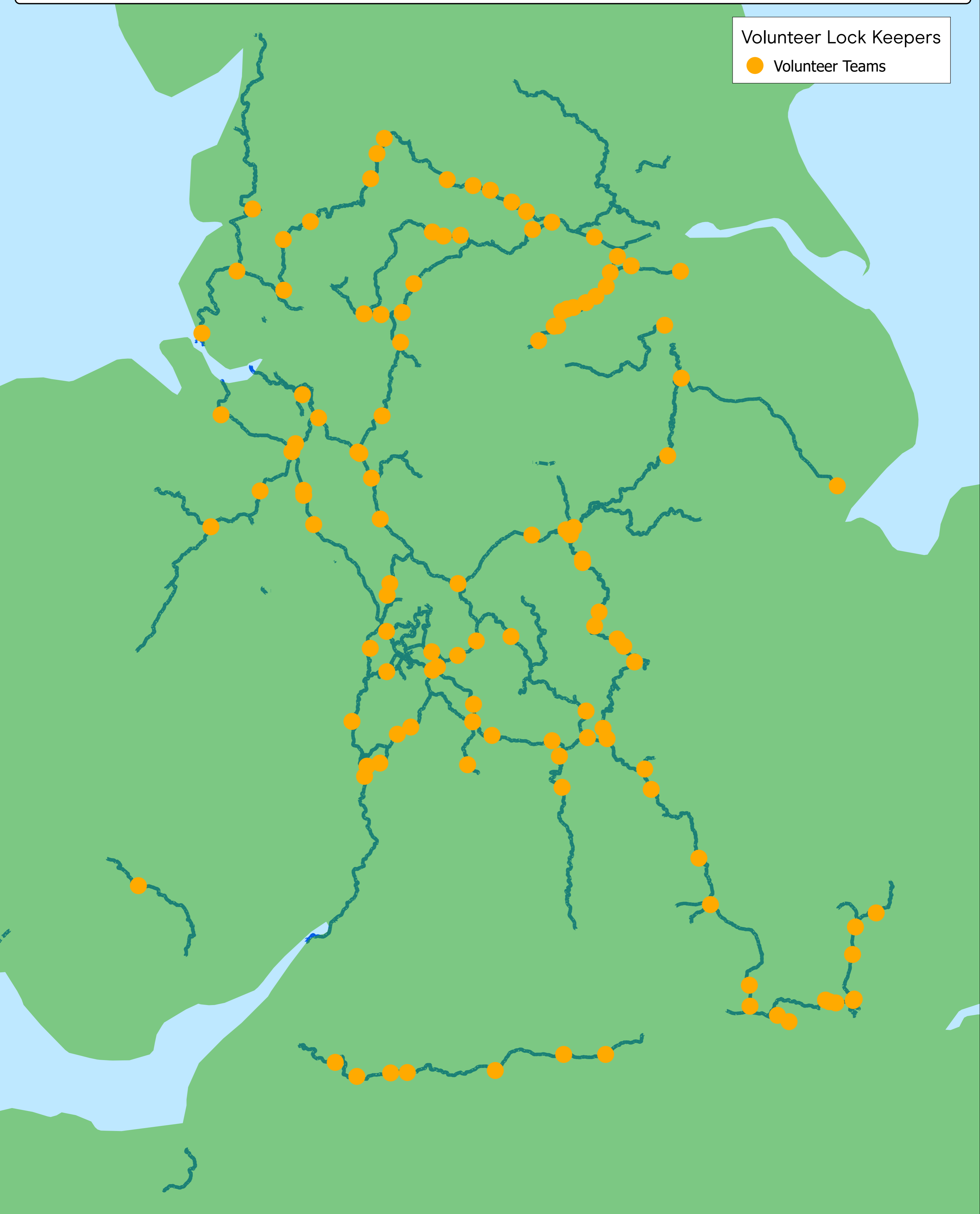
In 2022 there were 130 registered Volunteer Lock Keeper sites, the locations of these are shown in the map. Together, they recorded 208,090 hours of Lock Keeping across the Trust's waterways

Volunteer Lock Keepers



Volunteer Lock Keepers

● Volunteer Teams



Annual Lockage Report 2022

Comparison Sites

Produced: January 2023

Region: East Midlands

Canal: Beeston Canal

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 6, Castle	Telemetry	SK 570393	1602	2126	2356	230	11%	
Summary stats for Beeston Canal			Avg:	1602	2126	2356	230	11%

Canal: Erewash

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 61, Long Eaton	Telemetry	SK 488335	364	473	508	35	7%	
Lock 73, Eastwood	Telemetry	SK 460458	253	351	303	-48	-14%	
Summary stats for Erewash			Avg:	309	412	406	-7	-2%

Canal: Grand Union

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 1, Watford	Telemetry	SP 593689	2642	3868	4059	191	5%
Lock 1, Welford	Telemetry	SP 639813	2219	3189	3768	579	18%
Lock 14, Northampton	Telemetry	SP 724581	592	748	782	34	5%
Lock 18, Kibworth	Telemetry	SP 657944	636	1241	1389	148	12%
Lock 21, Cosgrove	Telemetry	SP 795422	3015	3842	3685	-157	-4%
Lock 38, Kings	Telemetry	SK 567007	413	818	932	114	14%
Lock 6, Braunston	Telemetry	SP 553657	3620	4651	5045	394	8%
Lock 7, Buckby Top	Telemetry	SP 605656	2864	3748	3815	67	2%
Lock 9, Foxton	Telemetry	SP 691894	1777	3440	4211	771	22%

Summary stats for Grand Union

Avg: 1975 2838 3076 238 8%

Canal: Trent & Mersey

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 1, Derwent Mouth	Telemetry	SK 455306	1823	2593	2927	334	13%
Lock 6, Stenson	Telemetry	SK 325299	2002	2641	2522	-119	-5%

Summary stats for Trent & Mersey

Avg: 1913 2617 2725 108 4%

Summary stats for East Midlands

Avg:

1702

2409

2593

184

8%

Region: London and South East

Canal: Grand Union

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 1, Aylesbury	Telemetry	SP 917143	770	957	769	-188	-20%
Lock 37, Stalkies	Telemetry	SP 924153	1908	2204	2201	-3	0%
Lock 46, Cowroast	Telemetry	SP 958103	1347	1486	1913	427	29%
Lock 81, Batchworth	Telemetry	TQ 062940	1752	1826	2222	396	22%
Lock 90, Hanwell flight (Norwood)	Telemetry	TQ 136793	1144	1470	1450	-20	-1%

Summary stats for Grand Union

Avg: 1384 1589 1711 122 8%

Canal: Hertford Union

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 1, Victoria Park Top	Telemetry	TQ 367839	1878	1691	1789	98	6%

Summary stats for Hertford Union

Avg: 1878 1691 1789 98 6%

Canal: Lee & Stort Navigation

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 3, Roydon	Telemetry	TL 410104	1178	1176	1133	-43	-4%
Lock 4, Stanstead	Telemetry	TL 380121	1425	1557	1733	176	11%
Lock 6, Sheering Mill	Telemetry	TL 488144	922	990	896	-94	-9%

Summary stats for Lee & Stort Navigation

Avg: 1175 1241 1254 13 1%

Canal: Lee Navigation

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 17, Tottenham Lock	Telemetry	TQ 347895	2052	2305	2211	-94	-4%
Lock 19, Old Ford Lock	Telemetry	TQ 373840	1568	1725	1963	238	14%

Summary stats for Lee Navigation

Avg: 1810 2015 2087 72 4%

Canal: Old River Lea

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 1a, Carpenter's Road Lock	Telemetry	TQ 376844	76	78	150	72	92%

Summary stats for Old River Lea

Avg: 76 78 150 72 92%

Canal: Oxford Canal

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 21, Claydon Bottom	Telemetry	SP 463505	3985	4973	4590	-383	-8%	
Lock 32, Nell Bridge	Telemetry	SP 494343	2855	3824	3503	-321	-8%	
Lock 40, Bakers	Telemetry	SP 479178	2593	3652	3439	-213	-6%	
Lock 42, Roundham	Telemetry	SP 483140	2301	3260	3142	-118	-4%	
Lock 44, Dukes	Telemetry	SP 488107	2283	3372	3091	-281	-8%	
Lock 44A, Dukes Cut	Telemetry	SP 488106	1161	1705	1743	38	2%	
Lock 46, Isis	Telemetry	SP 505066	2366	3404	3218	-186	-5%	
Summary stats for Oxford Canal			Avg:	2506	3456	3247	-209	-6%

Canal: Regents

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 12, Commercial Road	Telemetry	TQ 363811	533	873	1070	197	23%	
Lock 2, Hawley	Telemetry	TQ 287841	1766	1946	2250	304	16%	
Summary stats for Regents			Avg:	1150	1410	1660	251	18%
Summary stats for London and South East			Avg:	1708	2118	2118	0	0%

Region: North West

Canal: Ashton

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 17, Droylsden	Telemetry	SJ 898978	404	560	373	-187	-33%	
Lock 2, Ancoats	Telemetry	SJ 854982	398	530	391	-139	-26%	
Summary stats for Ashton			Avg:	401	545	382	-163	-30%

Canal: Huddersfield Narrow

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 12W, HNC	Telemetry	SD 975012	135	311	181	-130	-42%	
Lock 22W, Upper Mill	Telemetry	SD 996058	138	364	225	-139	-38%	
Lock 30W, Shaw Mill	Telemetry	SE 001069	170	344	151	-193	-56%	
Lock 3W, Ashton	Telemetry	SJ 948985	170	375	186	-189	-50%	
Summary stats for Huddersfield Narrow			Avg:	153	349	186	-163	-47%

Canal: Lancaster

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1, Lodgehill	Telemetry	SD 481545	139	246	214	-32	-13%	
Lock 2, Ribble	Telemetry	SD 509311	93	190	156	-34	-18%	
Lock 7, Glasson Basin	Manual Reading	SD 445561	117	108	107	-1	-1%	
Summary stats for Lancaster			Avg:	116	181	159	-22	-12%

Canal: Leeds & Liverpool

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Deep Lock, Inside Track (Appley)	Telemetry	SD 517096	972	1422	1403	-19	-1%	
Lock 1, Leigh Branch Top	Telemetry	SD 578044	923	1348	927	-421	-31%	
Lock 44, Greenberfield Top	Telemetry	SD 889484	985	1422	573	-849	-60%	
Lock 45, Barrowford	Telemetry	SD 868403	643	861	445	-416	-48%	
Lock 51, Barrowford Bottom	Telemetry	SD 868403	648	828	462	-366	-44%	
Lock 55, Blackburn	Telemetry	SD 680269	377	608	342	-266	-44%	
Lock 67, Wigan	Telemetry	SD 606065	268	443	264	-179	-40%	
Summary stats for Leeds & Liverpool			Avg:	688	990	631	-359	-36%

Canal: Llangollen

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1, Hurlleston	Telemetry	SJ 625553	3717	5265	5779	514	10%	
Marbury Lock	Telemetry	SJ 561464	3501	5033	5316	283	6%	
Summary stats for Llangollen			Avg:	3609	5149	5548	399	8%

Canal: Macclesfield

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1, Bosley Top	Telemetry	SJ 904666	1367	2229	845	-1384	-62%	
Summary stats for Macclesfield			Avg:	1367	2229	845	-1384	-62%

Canal: Peak Forest

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 8, Marple	Telemetry	SJ 962884	451	842	421	-421	-50%	
Summary stats for Peak Forest			Avg:	451	842	421	-421	-50%

Canal: Rochdale

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 48, Lower Littleborough	Telemetry	SD 940163	89	199	166	-33	-17%	
Lock 65, Alfred Street	Telemetry	SD 896017	141	233	232	-1	0%	
Summary stats for Rochdale			Avg:	115	216	199	-17	-8%

Canal: Shropshire Union

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Ellesmere Port Wide & Narrow	Telemetry	SJ 405771	208	421	575	154	37%	
Lock 1, Graving	Telemetry	SJ 399667	28	66	56	-10	-15%	
Lock 1, Wardle	Telemetry	SJ 705657	4284	5972	2860	-3112	-52%	
Lock 3, Audlem	Telemetry	SJ 658420	2753	3880	4297	417	11%	
Lock 4, Cholmondeston	Telemetry	SJ 633575	5346	7103	7414	311	4%	
Lock 7, Tarvin	Telemetry	SJ 427665	1235	1556	2265	709	46%	
Summary stats for Shropshire Union			Avg:	2309	3166	2911	-255	-8%

Canal: Trent & Mersey

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 42, Limekiln	Telemetry	SJ 830548	2199	2900	1767	-1133	-39%	
Lock 71, Kings	Telemetry	SJ 706656	2726	3745	2480	-1265	-34%	
Lock 75, Big Lock	Telemetry	SJ 701669	2798	3812	3918	106	3%	
Summary stats for Trent & Mersey			Avg:	2574	3486	2722	-764	-22%
Summary stats for North West			Avg:	1207	1717	1445	-272	-16%

Region: **Wales and South West**

Canal: **Gloucester & Sharpness**

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 2, Gloucester	Manual Reading	SO 827184	934	1313	461	-852	-65%
Sharpness Lock	Manual Reading	SO 670022	153	258	186	-72	-28%
Summary stats for Gloucester & Sharpness		Avg:	544	786	324	-462	-59%

Canal: Kennet & Avon

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 105, Fobney	Telemetry	SU 705710	877	1192	1408	216	18%
Lock 13, Bath	Telemetry	ST 758646	1491	2169	2313	144	7%
Lock 14, Bradford on Avon	Telemetry	ST 825602	3878	5994	6120	126	2%
Lock 15, Semington	Telemetry	ST 901609	2524	3443	3371	-72	-2%
Lock 49, Maton	Telemetry	ST 995617	1287	1646	1595	-51	-3%
Lock 51, Wootton Rivers	Telemetry	SU 199629	1266	1978	1643	-335	-17%
Lock 60, Crofton	Telemetry	SU 248622	1077	1448	1342	-106	-7%
Lock 76, Wire	Telemetry	SU 362681	1096	1552	1666	114	7%
Lock 96, Padworth Middle	Telemetry	SU 606671	1359	1963	2172	209	11%

Summary stats for Kennet & Avon

Avg: 1651 2376 2403 27 1%

Canal: Monmouthshire & Brecon

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 65, Coombes	Telemetry	SO 144197	1787	3341	2827	-514	-15%
Lock 69, Brynich	Telemetry	SO 077273		2910	2645	-265	-9%

Summary stats for Monmouthshire & Brecon

Avg: 1787 3126 2736 -390 -12%

Summary stats for Wales and South West

Avg:

1477

2247

2135

-112

-5%

Region: West Midlands

Canal: Birmingham & Fazeley

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1, Top Lock Curdworth	Telemetry	SP 183937	1023	1639	1770	131	8%	
Summary stats for Birmingham & Fazeley			Avg:	1023	1639	1770	131	8%

Canal: Birmingham Canal Navigations

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 17, Wolverhampton	Telemetry	SO 918993	941	1480	770	-710	-48%	
Lock 2, Rushall	Telemetry	SP 039989	89	165	112	-53	-32%	
Summary stats for Birmingham Canal Navigations			Avg:	515	823	441	-382	-46%

Canal: Caldon

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 11, Hazelhurst Middle	Telemetry	SJ 948538	1065	2042	779	-1263	-62%	
Lock 3, Planet	Manual Reading	SJ 878464	1629	2311	1245	-1066	-46%	
Lock 8, Road Lock	Telemetry	SJ 916519	1293	2064	689	-1375	-67%	
Summary stats for Caldon			Avg:	1329	2139	904	-1235	-58%

Canal: Coventry & Ashby

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1, Atherstone Top	Telemetry	SP 303976	3305	4878	2207	-2671	-55%	
Lock 12, Glascote Top	Telemetry	SK 216033	4094	4613	4421	-192	-4%	
Lock 7, Baddesley Basin	Telemetry	SP 298984	1922	1558	1789	231	15%	
Summary stats for Coventry & Ashby			Avg:	3107	3683	2806	-877	-24%

Canal: Droitwich Canal

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 8, Ladywood	Telemetry	SO 868610	570	972	996	24	2%	
Summary stats for Droitwich Canal			Avg:	570	972	996	24	2%

Canal: Grand Union

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1, Calcutt	Telemetry	SP 468633	3896	5100	5344	244	5%	
Lock 23, Radford Bottom	Telemetry	SP 352649	1850	2625	2627	2	0%	
Lock 3, Camp Hill	Telemetry	SP 085859	711	1016	1063	47	5%	
Lock 47, Knowle Bottom	Telemetry	SP 190760	769	1027	1008	-19	-2%	
Pumping Station 2, Stockton	Telemetry	SP 426647	1852	2695	2684	-11	0%	
Summary stats for Grand Union			Avg:	1816	2493	2545	53	2%

Canal: Llangollen

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 2, New Marton	Telemetry	SJ 331343	4222	7457	7180	-277	-4%	
Summary stats for Llangollen			Avg:	4222	7457	7180	-277	-4%

Canal: Montgomery

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1, Belan	Telemetry	SJ 217054	54	46	59	13	28%	
Lock 3, Aston	Telemetry	SJ 335264	893	1264	1050	-214	-17%	
Summary stats for Montgomery			Avg:	474	655	555	-101	-15%

Canal: Oxford Canal

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 15, Marston Doles	Telemetry	SP 464582	4111	5382	4682	-700	-13%	
Lock 8, Napton Bottom	Telemetry	SP 458592	4085	5562	4728	-834	-15%	
Locks 2&3, Hillmorton	Telemetry	SP 537745	5933	8147	7734	-413	-5%	
Summary stats for Oxford Canal			Avg:	4710	6364	5715	-649	-10%

Canal: Shropshire Union

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Wheaton Aston Lock	Telemetry	SJ 858126	3711	4964	5260	296	6%	
Summary stats for Shropshire Union			Avg:	3711	4964	5260	296	6%

Canal: Staffordshire & Worcestershire

Annual Lockage Totals

Site	Type	NGR	2020	2021	2022	Annual Change	
Lock 31, Compton	Telemetry	SO 884989		2760	2755	-5	0%
Lock 33, Brick Kiln	Telemetry	SJ 922107	3420	4719	4907	188	4%
Lock 43, Tixall	Telemetry	SJ 978219	4093	5732	5835	103	2%
York Street	Telemetry	SO 812712	2393	3258	3253	-5	0%

Summary stats for Staffordshire & Worcestershire

Avg: 3302 4117 4188 70 2%

Canal: Stourbridge

Annual Lockage Totals

Site	Type	NGR	2020	2021	2022	Annual Change	
Blowers Green	Telemetry	SO 934887	552	790	850	60	8%
Lock 4, Stourton Bottom	Telemetry	SO 862851	905	1220	1342	122	10%

Summary stats for Stourbridge

Avg: 729 1005 1096 91 9%

Canal: Stratford

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 19, Lapworth	Telemetry	SP 186705	1495	2157	2159	2	0%
Lock 23, Lapworth	Telemetry	SP 186705	1640	2303	2240	-63	-3%
Lock 38, Preston Bagot	Telemetry	SP 175654	1854	2693	2570	-123	-5%
Lock 40, Wilmcote Top	Telemetry	SP 171575	1456	2060	2034	-26	-1%
Lock 53, Maidenhead Road	Telemetry	SP 201553	1317	1971	1930	-41	-2%
Lock 56, River	Telemetry	SP 204548	1450	2093	2482	389	19%

Summary stats for Stratford

Avg: 1535 2213 2236 23 1%

Canal: Trent & Mersey

Site	Type	NGR	Annual Lockage Totals			Annual Change	
			2020	2021	2022		
Lock 11, Wychnor	Telemetry	SK 185161	3474	4881	5199	318	7%
Lock 12, Alrewas	Telemetry	SK 171154	3123	4457	5060	603	14%
Lock 20, Woodend	Telemetry	SK 127135	4450	6279	6599	320	5%
Lock 27, Star	Telemetry	SJ 902336	3215	4626	3459	-1167	-25%
Lock 37, Cockshutes	Telemetry	SJ 874461	2765	4012	2842	-1170	-29%

Summary stats for Trent & Mersey

Avg: 3405 4851 4632 -219 -5%

Canal: Worcester & Birmingham

Annual Lockage Totals

Site	Type	NGR	2020	2021	2022	Annual Change
Lock 15, Offerton	Telemetry	SO 895580	1579	2200	2004	-196 -9%
Lock 2, Diglis	Telemetry	SO 849539	1147	1882	1770	-112 -6%
Lock 23, Stoke Prior	Telemetry	SO 951670	1490	2128	1652	-476 -22%
Lock 42, Tardebigge	Telemetry	SO 975682	870	1644	1649	5 0%
Summary stats for Worcester & Birmingham		Avg:	1272	1964	1769	-195 -10%
Summary stats for West Midlands		Avg:	2160	3044	2809	-235 -8%

Region: **Yorkshire and North East**

Canal: **Aire & Calder Navigation**

Site	Type	NGR	Annual Lockage Totals			Annual Change
			2020	2021	2022	
Lock 1, Leeds Lock	Telemetry	SE 437424	696	1080	1138	58 5%
Lock 10, Bulholme	Telemetry	SD 433267	1145	1277	1952	675 53%
Lock 12, Whitley Lock	Telemetry	SE 566221	1217	1251	1834	583 47%
Lock 13, Pollington	Telemetry	SE 615192	1382	911	1999	1088 119%
Lock 2, Birkwood Lock	Telemetry	SE 435424	866	1382	1683	301 22%
Lock 3, Kings Road Lock	Telemetry	SE 437424	1023	1552	1506	-46 -3%
Lock 3, Knostrop	Telemetry	SE 432431	779	1470	1400	-70 -5%
Lock 4, Fishpond Lock	Telemetry	SE 435430	910	1627	1338	-289 -18%
Lock 5, Woodlesford Lock	Telemetry	SE 436429	966	1693	1463	-230 -14%
Lock 6, Woodhook Lock	Telemetry	SE 439435	862	1420	1597	177 12%
Lock 7, Lemonroyd Lock	Telemetry	SE 438427	955	1553	1640	87 6%

Summary stats for Aire & Calder Navigation

Avg: 982 1383 1595 212 15%

Canal: Chesterfield

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 34, Double Bottom Turnerwood	Telemetry	SK 542813	148	148	133	-15	-10%	
Lock 51, Worksop Bracebridge	Telemetry	SK 595791	263	312	275	-37	-12%	
Lock 61, Gringley	Telemetry	SK 728916	338	463	566	103	22%	
Summary stats for Chesterfield			Avg:	250	308	325	17	6%

Canal: Huddersfield Broad

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 2, Colne Bridge	Telemetry	SE 176202	189	379	249	-130	-34%	
Summary stats for Huddersfield Broad			Avg:	189	379	249	-130	-34%

Canal: Huddersfield Narrow

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1E, Stanley Dawson	Telemetry	SE 148162		188	64	-124	-66%	
Lock 28E, HNC	Telemetry	SE 065131	148	279	101	-178	-64%	
Lock 41E, Marsden	Telemetry	SE 048118	180	321	122	-199	-62%	
Summary stats for Huddersfield Narrow			Avg:	164	263	96	-167	-64%

Canal: Leeds & Liverpool

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 29, Bingley 5 Rise Top	Telemetry	SE 107399	724	1281	1095	-186	-15%	
Lock 30, Holme Bridge	Telemetry	SD 943544	1392	1702	563	-1139	-67%	
Lock 36, Bank Newton	Telemetry	SD 911529	1162	1412	584	-828	-59%	
Lock 6, Spring Garden	Telemetry	SE 284337		896	610	-286	-32%	
Summary stats for Leeds & Liverpool			Avg:	1093	1323	713	-610	-46%

Canal: New Junction Canal

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Sykehouse Lock	Telemetry	SE 463416	995	673	1492	819	122%	
Summary stats for New Junction Canal			Avg:	995	673	1492	819	122%

Canal: Pocklington

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 8, Gardham	Telemetry	SE 729453	216	138	268	130	94%	
Summary stats for Pocklington			Avg:	216	138	268	130	94%

Canal: Ripon

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1, Rhodesfield	Telemetry	SE 323703	263	161	223	62	39%	
Lock 3, Oxclose	Telemetry	SE 332679	428	469	656	187	40%	
Summary stats for Ripon			Avg:	346	315	440	125	40%

Canal: Rochdale

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1, Albert Wood	Telemetry	SE 064236	576	697	352	-345	-49%	
Lock 17, Old Royd	Telemetry	SD 948242	439	421	403	-18	-4%	
Summary stats for Rochdale			Avg:	508	559	378	-182	-32%

Canal: Sheffield & South Yorkshire Navigation

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Aldwarke Lock	Telemetry	SK 451943	525	531	659	128	24%	
Doncaster Lock	Telemetry	SE 570035	710	1013	1044	31	3%	
Eastwood (Sir Frank Price) lock	Telemetry	SK 440942	390	515	646	131	25%	
Long Sandall Lock	Manual Reading	SE 602066	1208	1359	1680	321	24%	
Mexborough Top Lock	Telemetry	SK 481996	487	859	1018	159	19%	
Sprotborough Lock	Telemetry	SE 539016	647	974	1180	206	21%	
Swinton (Waddington) Lock	Telemetry	SK 463989	861	723	757	34	5%	
Summary stats for Sheffield & South Yorkshire Navigation			Avg:	690	853	998	144	17%

Canal: Sheffield & Tinsley Canal

Site	Type	NGR	Annual Lockage Totals			Annual Change		
			2020	2021	2022			
Lock 1, Tinsley	Telemetry	SK 392898	195	291	311	20	7%	
Summary stats for Sheffield & Tinsley Canal			Avg:	195	291	311	20	7%

Summary stats for Yorkshire and North East **Avg:** **685** **873** **906** **33** **4%**

Boat Movement Report 2022

Comparison Sites

Produced: January 2023

Region: West Midlands

Canal: Coventry & Ashby

Site	Type	NGR	Annual Boat Movement Totals			Annual Change	
			2020	2021	2022		
Congerstone Bridge 1 & 2	Telemetry	SK 371050	1970	4362	3621	-741	-17%
Summary stats for Coventry & Ashby		Avg:	1970	4362	3621	-741	-17%
Summary stats for West Midlands		Avg:	1970	4362	3621	-741	-17%

Region: East Midlands

Canal: Fosdyke & Witham

Site	Type	NGR	Annual Boat Movement Totals			Annual Change		
			2020	2021	2022			
Lock 1, Torksey	Manual Reading	SK 837780	974	1362	1381	19	1%	
Summary stats for Fosdyke & Witham			Avg:	974	1362	1381	19	1%

Canal: River Witham

Site	Type	NGR	Annual Boat Movement Totals			Annual Change	
			2020	2021	2022		
Boston Lock	Manual Reading	TF 323445		214	219	5	2%
Summary stats for River Witham			Avg:	214	219	5	2%

Canal: Trent Navigation

Annual Boat Movement Totals

Site	Type	NGR	2020	2021	2022	Annual Change	
Lock 10, Stoke	Manual Reading	SK 649407	948	1508	1474	-34	-2%
Lock 11, Gunthorpe	Manual Reading	SK 688437		2038	2078	40	2%
Lock 12, Hazelford	Manual Reading	SK 732494		2652	2254	-398	-15%
Lock 13, Newark Town	Manual Reading	SK 794538	1392	2214	2641	427	19%
Lock 14, Newark Nether	Manual Reading	SK 800554		1387	1298	-89	-6%
Lock 8, Holme	Manual Reading	SK 615393		1518	1479	-39	-3%
Summary stats for Trent Navigation		Avg:	1170	1886	1871	-16	-1%
Summary stats for East Midlands		Avg:	1105	1612	1603	-9	-1%

Region: North West

Canal: Rochdale

Site	Type	NGR	Annual Boat Movement Totals			Annual Change	
			2020	2021	2022		
Bridge 51, Ben Healey Bridge	Telemetry	SD 937161		43	150	107	249%
Summary stats for Rochdale		Avg:		43	150	107	249%
Summary stats for North West		Avg:		43	150	107	249%

Region: **Yorkshire and North East**

Canal: **Chesterfield**

Site	Type	NGR	Annual Boat Movement Totals			Annual Change		
			2020	2021	2022			
Lock 65, Stockwith	Manual Reading	SK 785946	478	673	758	85	13%	
Summary stats for Chesterfield			Avg:	478	673	758	85	13%

Canal: **River Ouse**

Site	Type	NGR	Annual Boat Movement Totals			Annual Change		
			2020	2021	2022			
Naburn Lock	Manual Reading	SE 594445	372	410	758	348	85%	
Summary stats for River Ouse			Avg:	372	410	758	348	85%

Canal: **Selby**

Site	Type	NGR	Annual Boat Movement Totals			Annual Change		
			2020	2021	2022			
Lock 1, Selby	Manual Reading	SE 622322	283	227	494	267	118%	
Summary stats for Selby			Avg:	283	227	494	267	118%

Summary stats for Yorkshire and North East			Avg:	378	437	670	233	53%
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Appendix

Incomplete Data Sites 2022

For lockage data sites to be included in the main body of the report, the sites are required to be operational and have a good quality of data for both 2021 and 2022 (the comparison years). Incomplete sites within this Appendix are primarily those lockage sites where data was of insufficient quality for 2021 and/or 2022.

Region: London and South East

Canal: Grand Union

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 40, Marsworth	Telemetry	SP 922193			1909	Site repaired

Canal: Lee & Stort Navigation

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 10, Waltham Common	Telemetry	TL 370018	1785		2070	Site repaired
Lock 14, Ponders End 1 & 2	Telemetry	TQ 364955		3482		Technical issues, poor quality data
Lock 16, Stonebridge	Telemetry	TQ 351904	4207	4413		Technical issues, poor quality data

Region: North West

Canal: Leeds & Liverpool

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 3, Runnel Brow	Telemetry	SD 453118			721	Site repaired
Lock 58, Johnson's Hillock Top	Telemetry	SD 596213	524	694		Technical issues, site failed
Stanley Lock	Manual Reading	SJ 342921				Technical issues

Canal: Rochdale

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 49, Rochdale	Telemetry	SD 905124	94	171		Technical issues, poor quality data
Lock 79, Coal Pit Middle	Telemetry	SJ 858991	108	179		Technical issues, site failed
Lock 92, Castlefield Dukes	Telemetry	SJ 831975		406		Technical issues, poor quality data

Region: Wales and South West

Canal: Kennet & Avon

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 21, Seend	Telemetry	ST 933613	2261	3325		Technical issues, poor quality data
Lock 71, Picketsfield	Telemetry	SU 316680	1159			Technical issues, site failed
Lock 78, Kintbury	Telemetry	SU 385671	1364		1912	Site repaired
Lock 85, Newbury	Telemetry	SU 470671				Technical issues, site failed

Region: West Midlands

Canal: Birmingham & Fazeley

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 3, Minworth	Telemetry	SP 152923	997	1517		Technical issues

Canal: Birmingham Canal Navigations

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 2, Farmers Bridge	Telemetry	SP 062870	713	1206		Technical issues, site failed

Canal: Caldon

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 1, Bedford Street	Telemetry	SJ 873468				Technical issues, poor quality data
Lock 4, Engine	Manual Reading	SJ 900514				Site decommissioned

Canal: Droitwich Canal

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 7, River	Telemetry	SO 906633	746	750		Technical issues, poor quality data

Canal: Grand Union

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 46, Hatton Top	Telemetry	SP 239669				Technical issues, site failed

Canal: Montgomery

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 4, Frankton	Telemetry	SJ 369316				Technical issues, poor quality data
Pool Quay Lock	Telemetry	SJ 256115		444		Technical issues, poor quality data

Canal: Shropshire Union

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Tyrley Lock	Manual Reading	SJ 689328				Technical issues

Canal: Staffordshire & Worcestershire

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 28, Dimmingsdale	Telemetry	SO 858959	1521			Technical issues, site failed

Canal: Stratford

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 2, Lapworth	Telemetry	SP 165716				Technical issues, site failed

Canal: Trent & Mersey

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 21, Colwich	Telemetry	SK 008212	3347	5698		Technical issues, poor quality data
Lock 35, Trentham	Telemetry	SJ 884398	2945	4001		Technical issues, poor quality data
Lock 40, Summit (Etruria)	Telemetry	SJ 872465			3695	Site repaired

Region: Yorkshire and North East

Canal: Calder & Hebble Navigation

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 5, Woodside Mills	Telemetry	SE 101213	394	716		Technical issues

Canal: Chesterfield

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 56, Forest Middle	Telemetry	SK 668830	345	489		Technical issues

Canal: Huddersfield Narrow

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 16E, Westwood	Telemetry	SE 098149	178	306		Technical issues, poor quality data

Canal: Leeds & Liverpool

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 35, Stegneck	Telemetry	SD 918539	1329			Technical issues, site failed

Canal: Rochdale

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Lock 5, Edward Kilner	Telemetry	SE 030257	949	1276		Technical issues, poor quality data

Canal: Sheffield & South Yorkshire Navigation

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Mexborough Low Lock	Telemetry	SE 501001	435	681		Technical issues

Canal: Stainforth & Keadby

Site	Type	NGR	Annual Lockage Totals			Comments
			2020	2021	2022	
Thorne Lock	Telemetry	SE 681131	999	1236	Technical issues, poor quality data	
