

**1. Rainfall**

The Yorkshire Region Has Received 162.4% of LTA for February

**2. Reservoirs (surface water supply reservoirs not including Hull)**

Over the Past Week Our Reservoir Stocks Have Decreased By -0.38% To 97.8%

**3. Rivers**

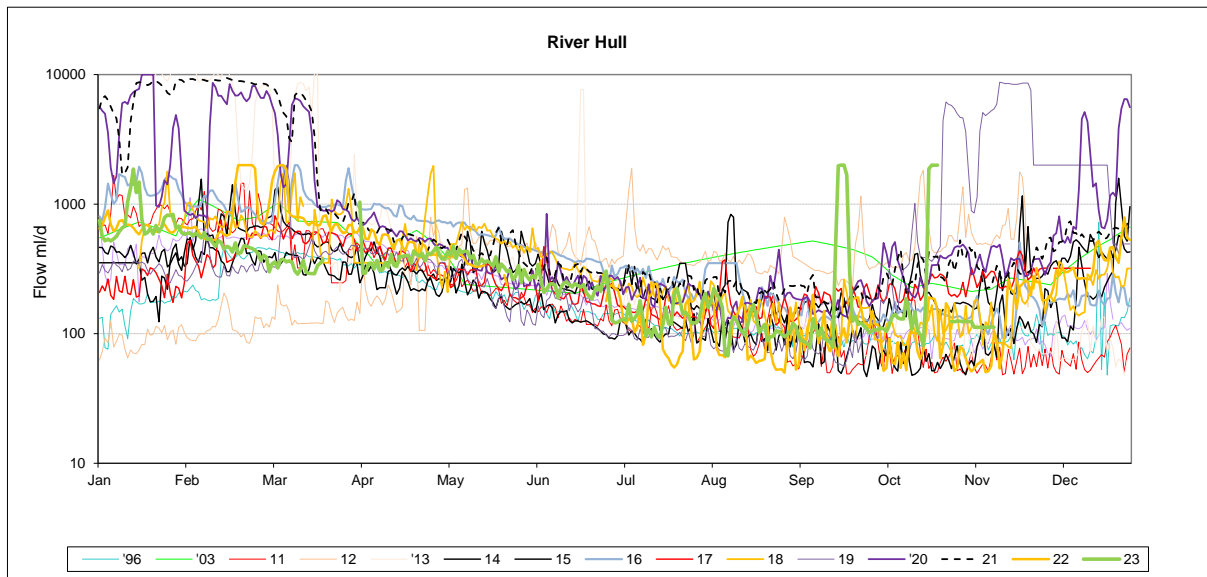
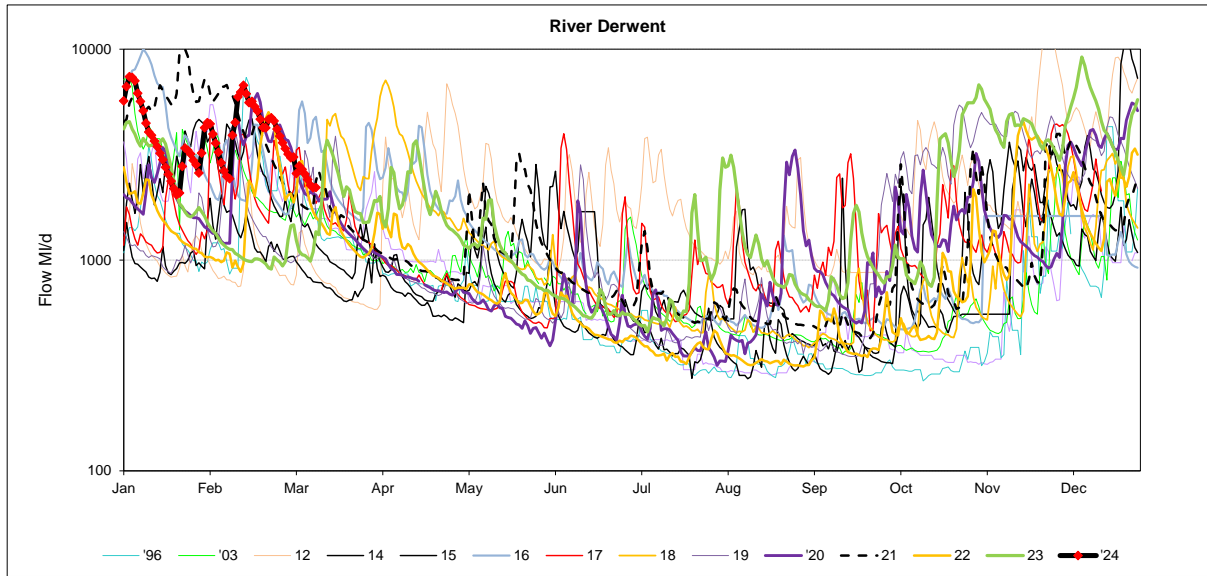
All of Our Rivers are Above Critical Levels

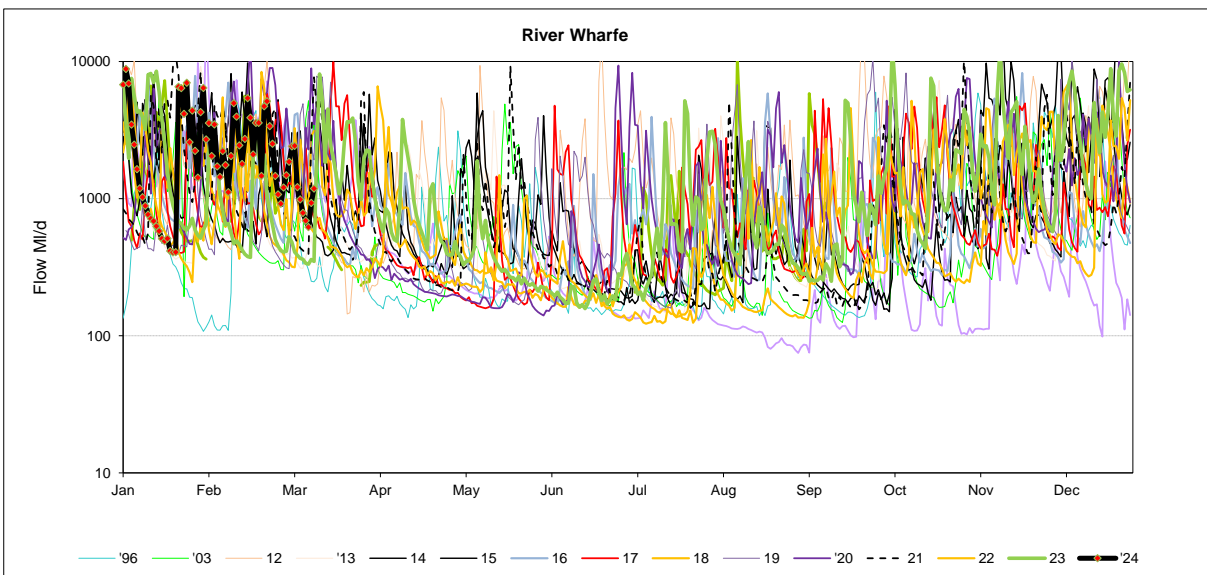
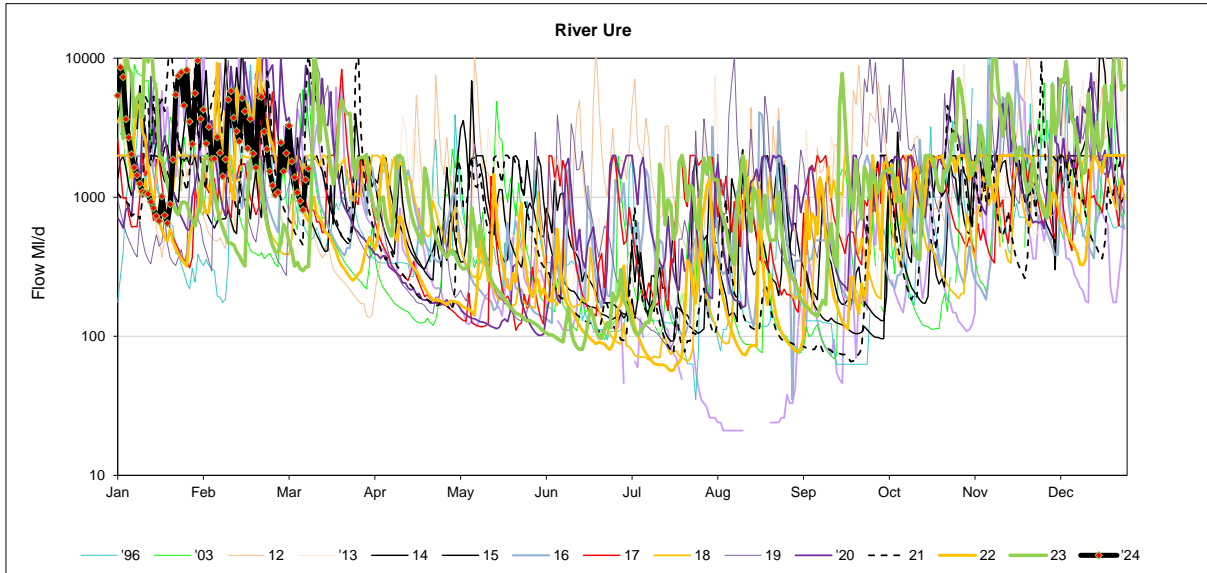
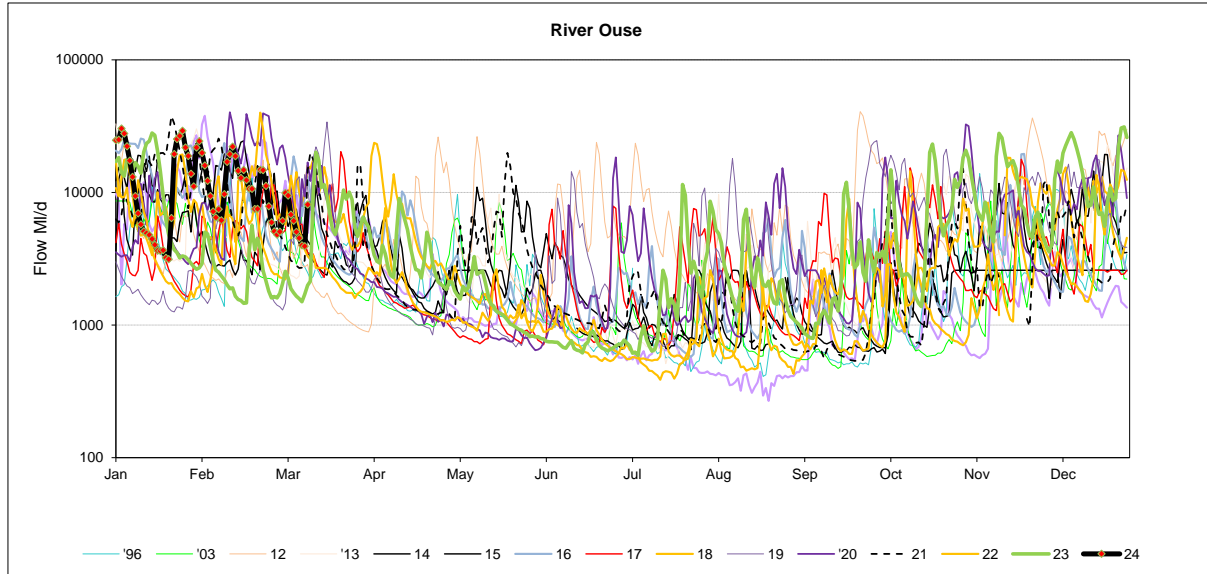
**4. Demand**

Regional Demand = 1319.5 Ml/d (including York)

**5. Comments**

	Mon 26-Feb	Mon 19-Feb	Mon 12-Feb	Mon 05-Feb	Critical flow bands
Derwent	✓ 3870	✓ 4650	✓ 6256	✓ 2890	305
Hull (using gauged (residual flows) only from 2011)	NDA	NDA	NDA	NDA	45 / 159 / 227
Ouse	✓ 5940	✓ 10635	✓ 22131	✓ 7195	400 / 650 / 1000
Ure	✓ 1214	✓ 2060	✓ 3725	✓ 1895	50 / 163 / 300
Wharfe	✓ 1073	✓ 3566	✓ 2443	✓ 1438	252 / 389 / 488 / 580





Yorkshire Region (Met Office)				England/Wales	
Month	mm	LTA	LTA(%)	mm	LTA(%)
July	138	68	202%	128	181%
August	84	77	109%	79	99%
September	84	71	119%	92	123%
October	148	84	176%	156	156%
November	105	90	117%	120	118%
December	162	89	182%	160	155%
January	100	79	127%	96	103%

**SOURCE OF DATA : Hydrological Summary of Gt Britain, Institute of Hydrology**

Yorkshire Water Services Data			
Rainfall Station	Total February	LTA February	LTA % February
Tophill	NDA	39	0%
Cottingham	NDA	41	0%
Bridlington	NDA	46	0%
Roundhill	122.6	88	139%
Fewston	99.8	69	145%
Osmotherley	79.0	47	168%
Scar House	NDA	107	0%
Watersheddles	180.9	97	186%
Gt Walden Edge	188.5	91	207%
Walshaw Dean	157.2	100	157%
Blackmoorfoot	147.5	89	166%
Ramsden	178.2	111	161%
Redmires	NDA	83	0%
Langsett	115.8	84	138%
<b>YORKSHIRE REGION</b>	<b>144.2</b>	<b>88.8</b>	<b>162%</b>
<b>EAST REGION</b>	<b>79.0</b>	<b>47.0</b>	<b>168%</b>
<b>PENNINE (WEST)</b>	<b>144.2</b>	<b>88.8</b>	<b>162%</b>

NDA= No data available/lack of readings, impacts % LTA for the month

SOURCE OF DATA : YWS RAIN GAUGES- weekly, so monthly data may include previous month or miss start of month



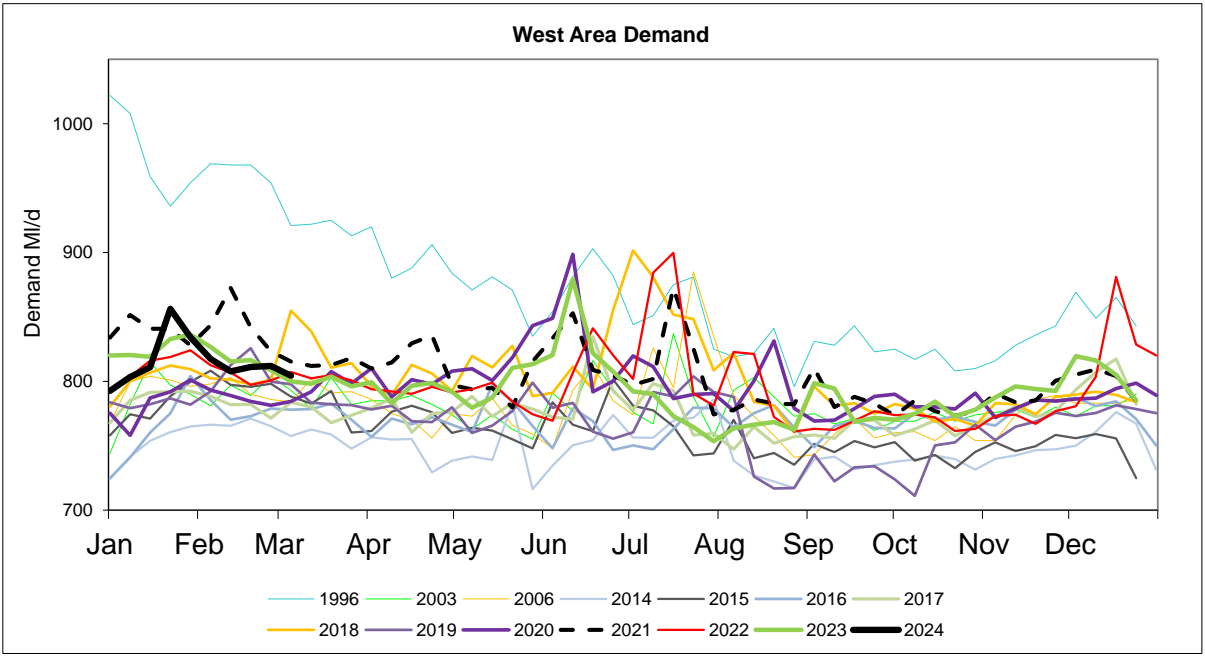
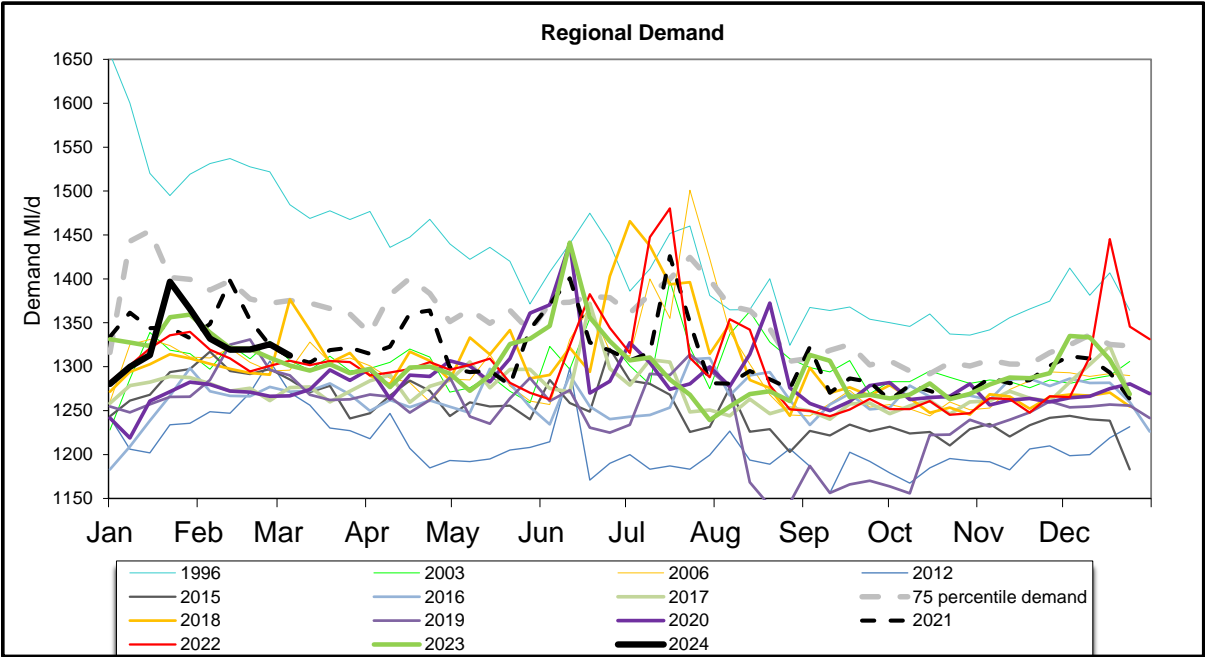
Daily Average Demand MI/d

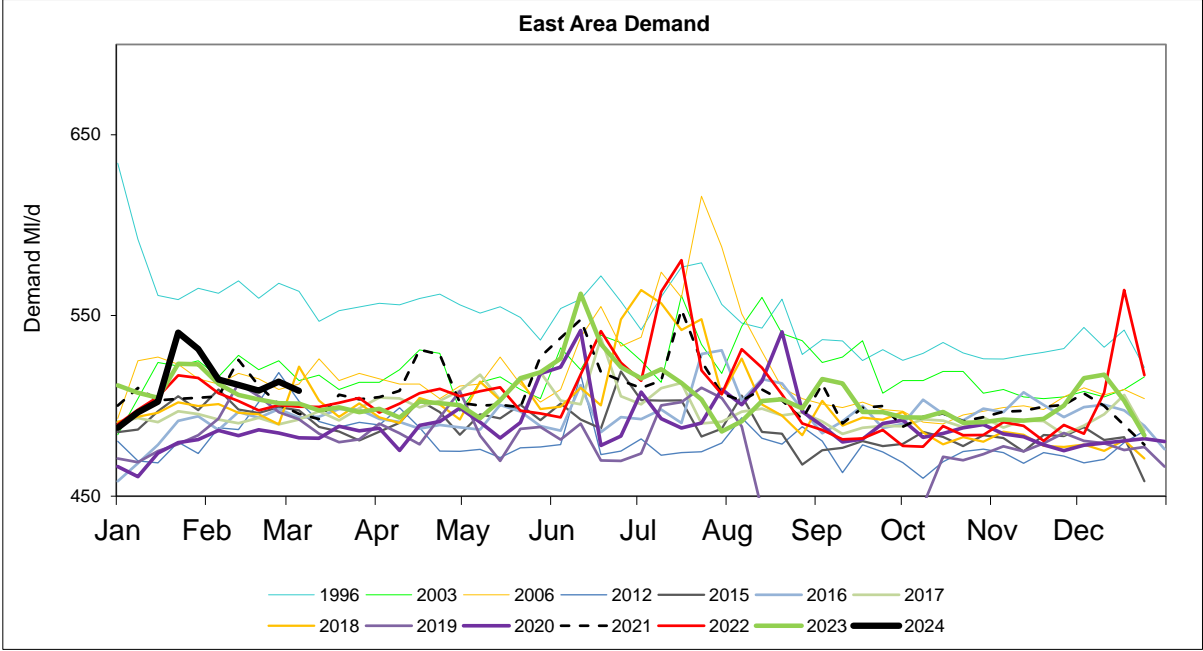
Week Ending Wednesday	L E D S	W A M K O E + R F L E Y D	S E L B Y	H A R R O G A T E	H U L L	M A L L T O N	S H E F F / B L Y	D O N C A S T E R	B R A D F O R D	C A L D E R	S K I P T O N	Y O R K A R E A	R E G I O N
24/01/2024	188	79	45	80	163	56	290	82	156	163	42	53	1397
31/01/2024	184	79	44	78	166	53	285	81	148	157	40	50	1366
07/02/2024	178	78	43	76	161	51	281	80	143	154	39	49	1332
14/02/2024	181	75	41	74	157	50	282	78	140	153	38	49	1319
21/02/2024	176	77	42	75	157	52	279	79	142	153	38	48	1320

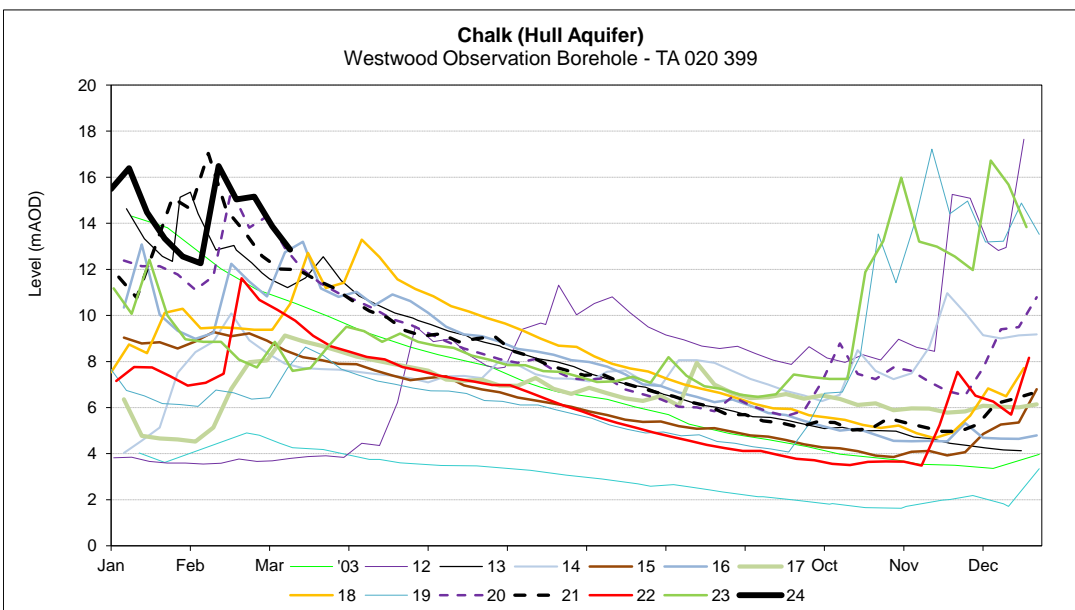
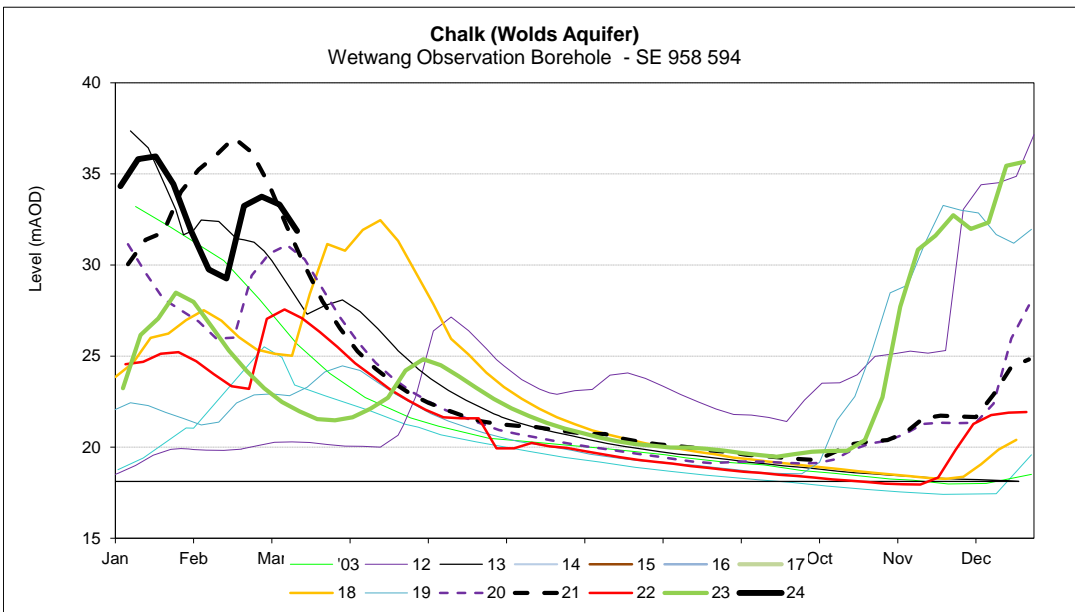
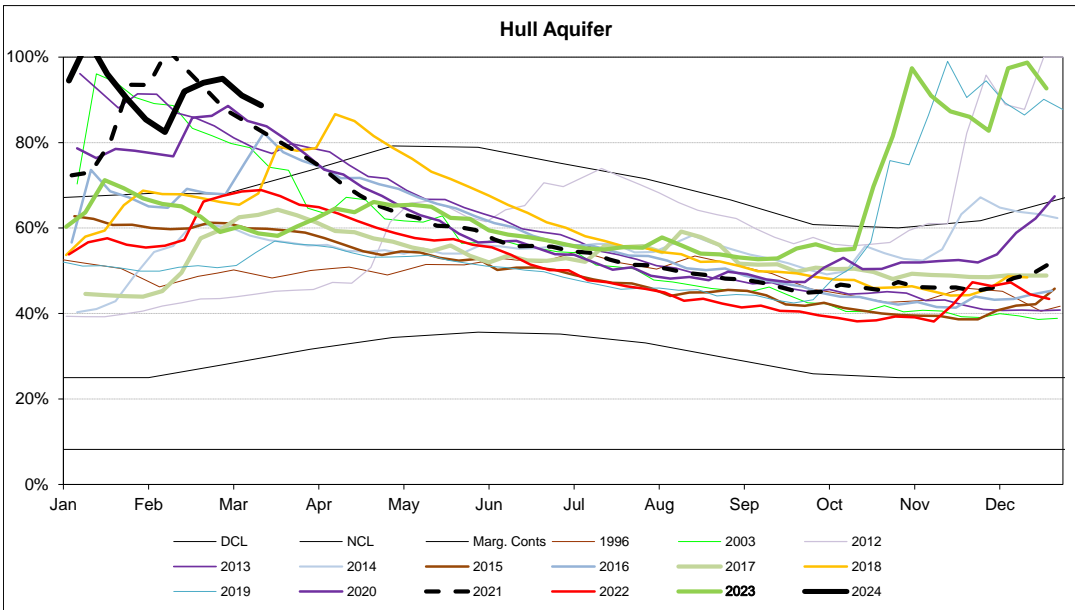
MONTHLY DEMANDS FROM WIS REPORT

Dec-23	175	71	42	74	159	51	289	71	148	147	37	48	1312
Jan-24	174	66	41	72	160	50	289	70	145	149	37	49	1301

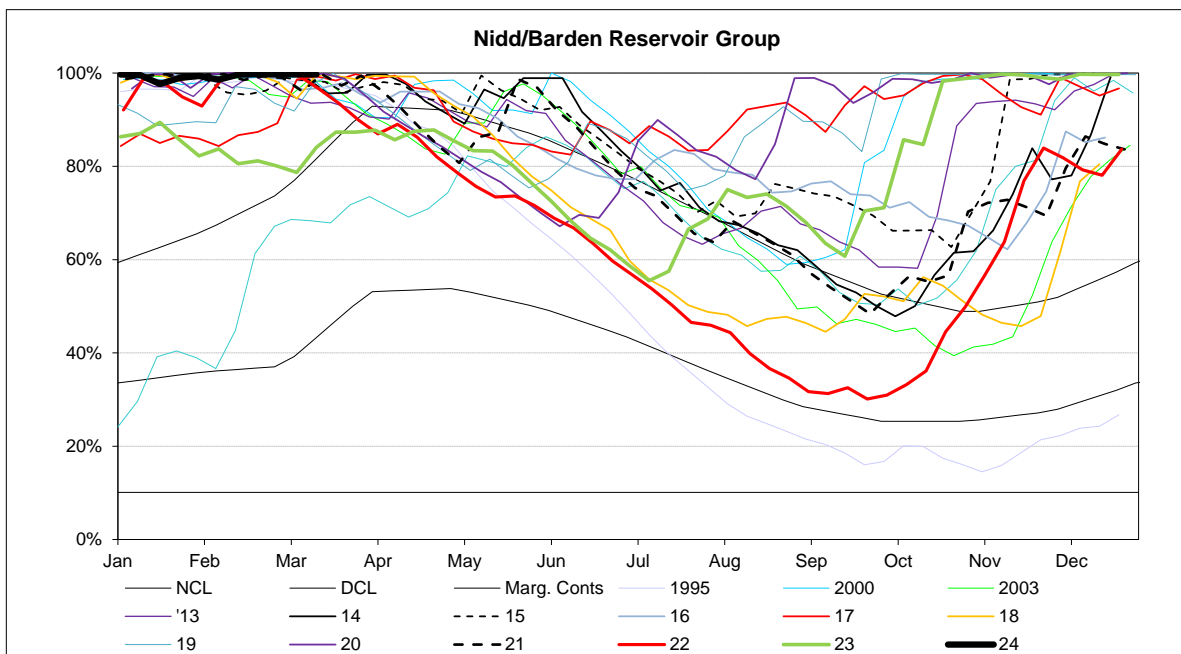
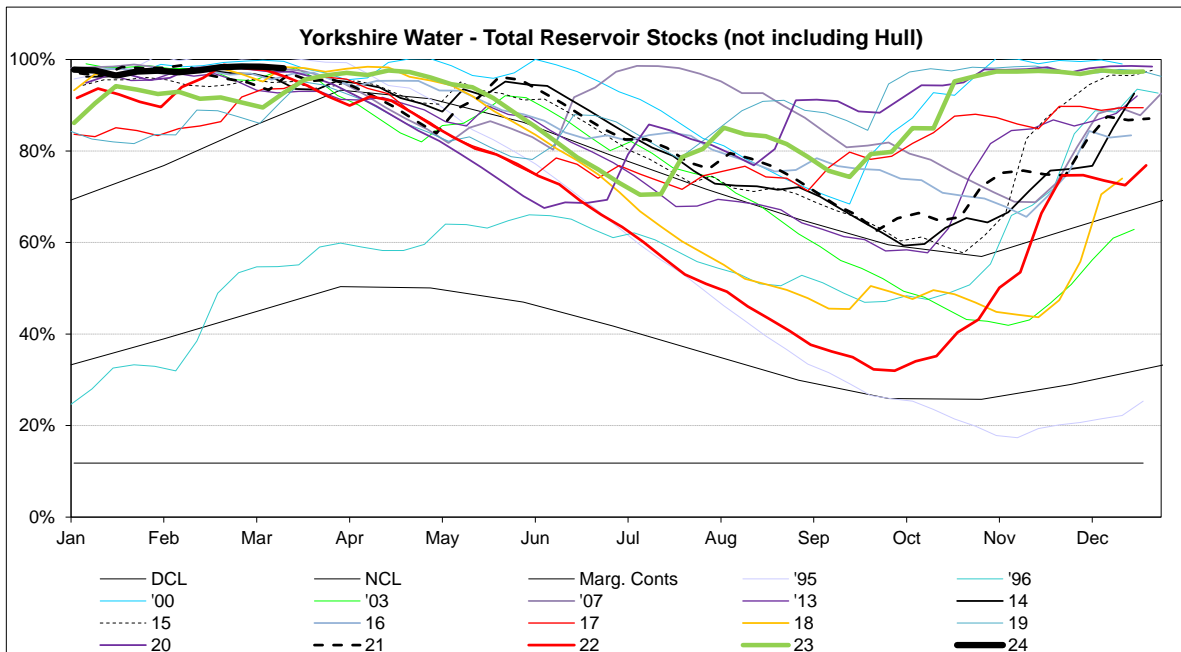
NB Current month demands include some estimates for minor sources and are not exactly comparable with previous months' figures.

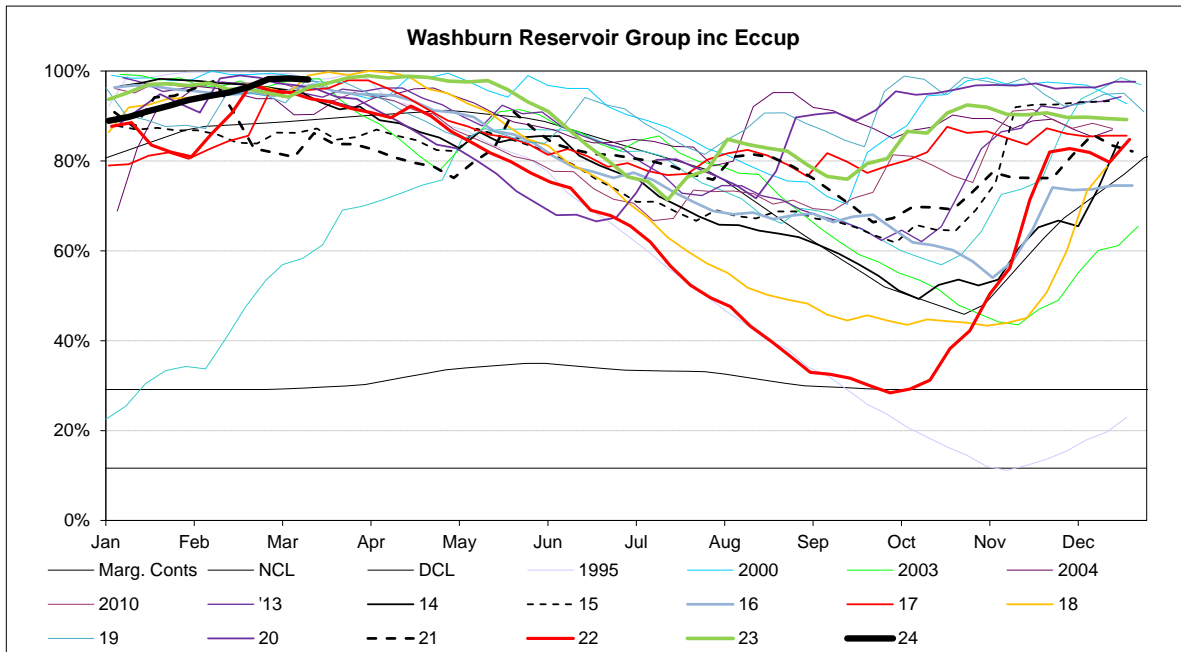
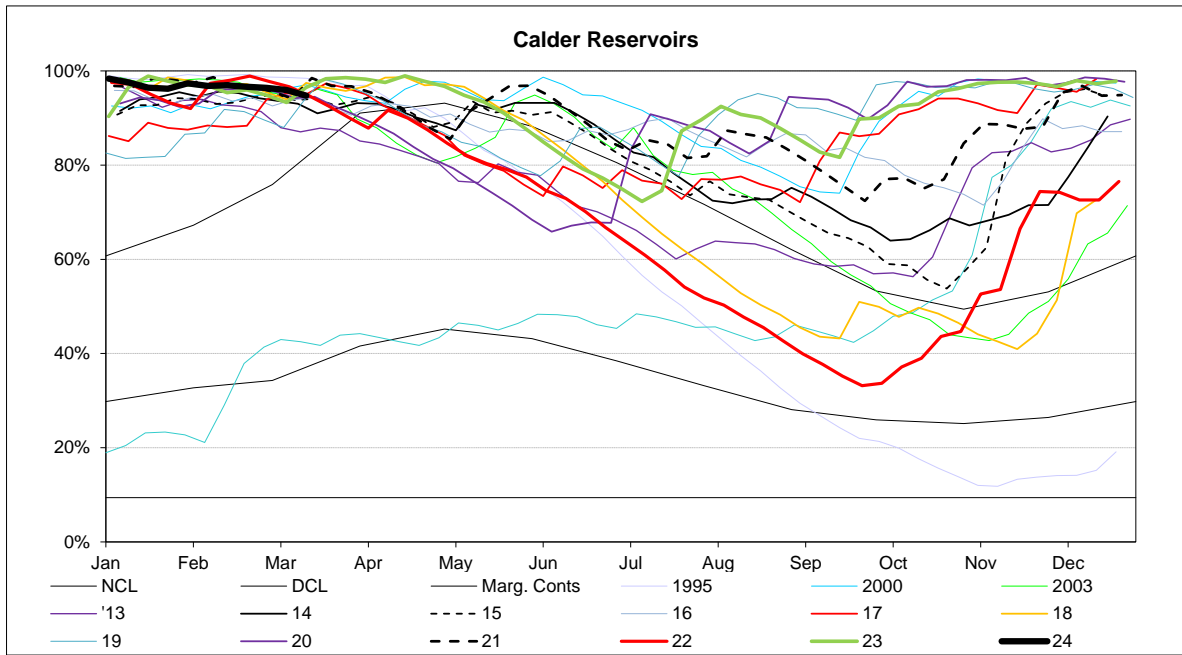


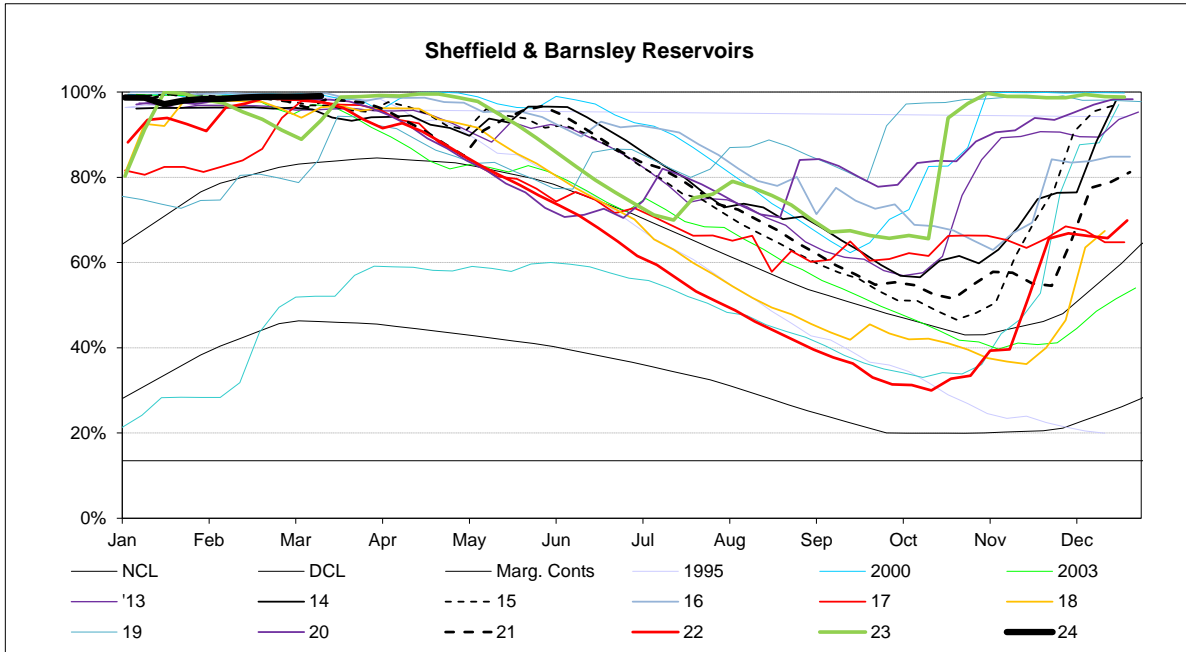




RESERVOIR STOCKS	11/03/2024		% Change	Planned Reservoir Safety Work	Required Drawdown & Duration	
Reservoir Group	% Stocks @	% Change	last week			
Calderdale (excl Withens Clough)	86.9%	-1.8%	-1.5%	Access for Tunnel Grouting at Upper IRE Access for Tunnel Grouting At Middle IRE Increase Drawdown Capacity Increase Drawdown Capacity	June 23 - Mar 24 Apr 24 - Oct 24 Feb 24 - May 24 June 24 - Oct 24	24.0% 28.0% 62.0% 21.0%
Boothwood/Ryburn ( incl WC)	95.6%	-2.3%	0.6%			
(Gorpley)	74.5%	1.6%	0.7%			
Huddersfield	97.9%	-0.3%	-0.7%			
Brownhill/Digley	100.0%	0.0%	0.0%			
Walshaw Dean Middle	27.5%	-1.3%	-0.5%			
Walshaw Dean Lower	100.0%	0.0%	0.0%			
Widdop	75.2%	-6.6%	-5.8%			
Widdop	75.2%	-6.6%	-5.8%			
<b>Calder Area Total</b>	<b>94.7%</b>	<b>-1.2%</b>	<b>-0.5%</b>			
Nidd/Barden/Chelker	99.7%	-0.1%	0.1%	Drawdown Improvements Embankment Stability Works Drawdown Improvements Inspection	May 23 - June 24 Jan 23 - Dec 24 May 23 - June 24 Mar 24 - Apr 24	53.0% 86.0% 53.0% 92.0%
Grimwith	100.0%	0.0%	0.3%			
Worth Valley	100.0%	0.0%	0.0%			
Gouthwaite	100.0%	0.0%	0.0%			
March Ghyll	82.8%	-3.1%	-3.2%			
Gouthwaite	100.0%	0.0%	0.0%			
Hewenden	100.0%	0.0%	0.0%			
<b>North West Area Total</b>	<b>99.6%</b>	<b>-0.2%</b>	<b>0.1%</b>			
Leighton/Roundhill	100.0%	0.0%	0.0%	Outlet Channel Repairs Bridge Repairs	Dates tbc Dates tbc	93.0% TBC
Haverah Park	100.0%	0.0%	13.1%			
Swinsty	100.0%	0.0%	0.8%			
Thruscross	100.0%	0.0%	0.0%			
Swinsty	100.0%	0.0%	0.8%			
Thruscross	100.0%	0.0%	0.0%			
<b>North Area Total</b>	<b>98.1%</b>	<b>-0.2%</b>	<b>1.5%</b>			
Rivelin Valley	100.0%	0.0%	0.0%	Damage to Overflow Channel Damage to Overflow Channel Install Overflow Debris Barrier Overflow Investigation	Nov 23 - Aug 24 Nov 23 - Aug 24 June 24 - Aug 24 Dates tbc	98.0% 89.0% 95.0% 95.0%
Little Don	100.0%	0.0%	0.0%			
Ewden Valley	100.0%	0.0%	0.0%			
Loxley Valley	100.0%	0.0%	0.0%			
Redmires	89.5%	1.4%	0.7%			
Redmires Upper	88.8%	3.5%	1.6%			
Redmires Middle	86.9%	3.4%	-0.4%			
Broomhead	100.0%	0.0%	0.0%			
Strines	100.0%	0.0%	0.0%			
<b>South Area Total</b>	<b>98.6%</b>	<b>0.2%</b>	<b>0.0%</b>			
Tophill Low	85.3%	0.2%	-0.2%			
Hull Aquifer	88.7%	-2.3%	-3.9%			
<b>East Area Total</b>	<b>88.4%</b>	<b>-2.1%</b>	<b>-3.6%</b>			
Regional Total (DCP) (inc East Area)	<b>96.7%</b>	<b>-0.6%</b>	<b>-0.5%</b>			
YORKSHIRE TOTAL (Supply) (not inc East Area)	<b>97.8%</b>	<b>-0.4%</b>	<b>-0.1%</b>			



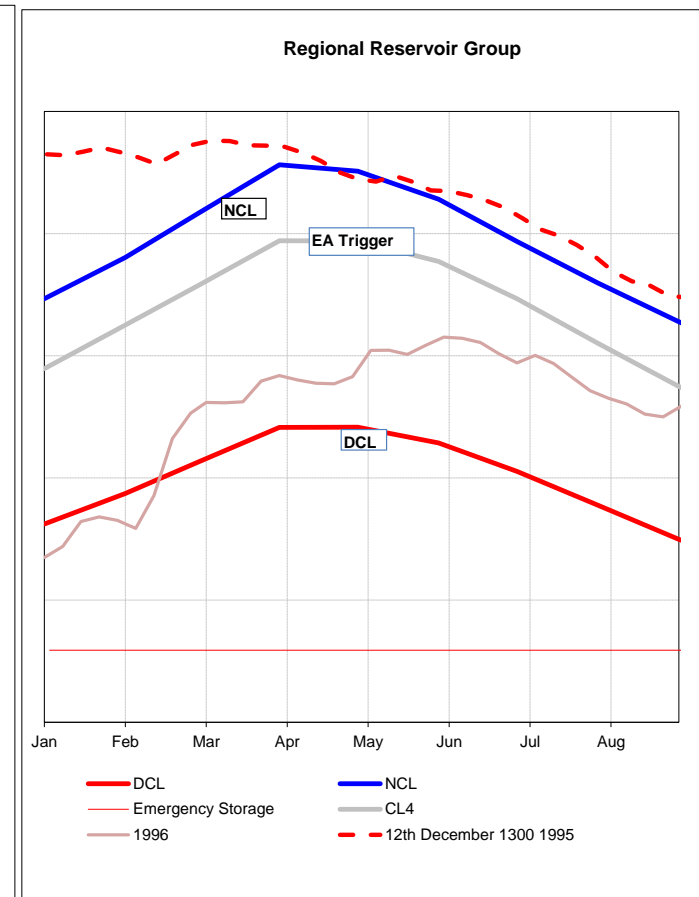
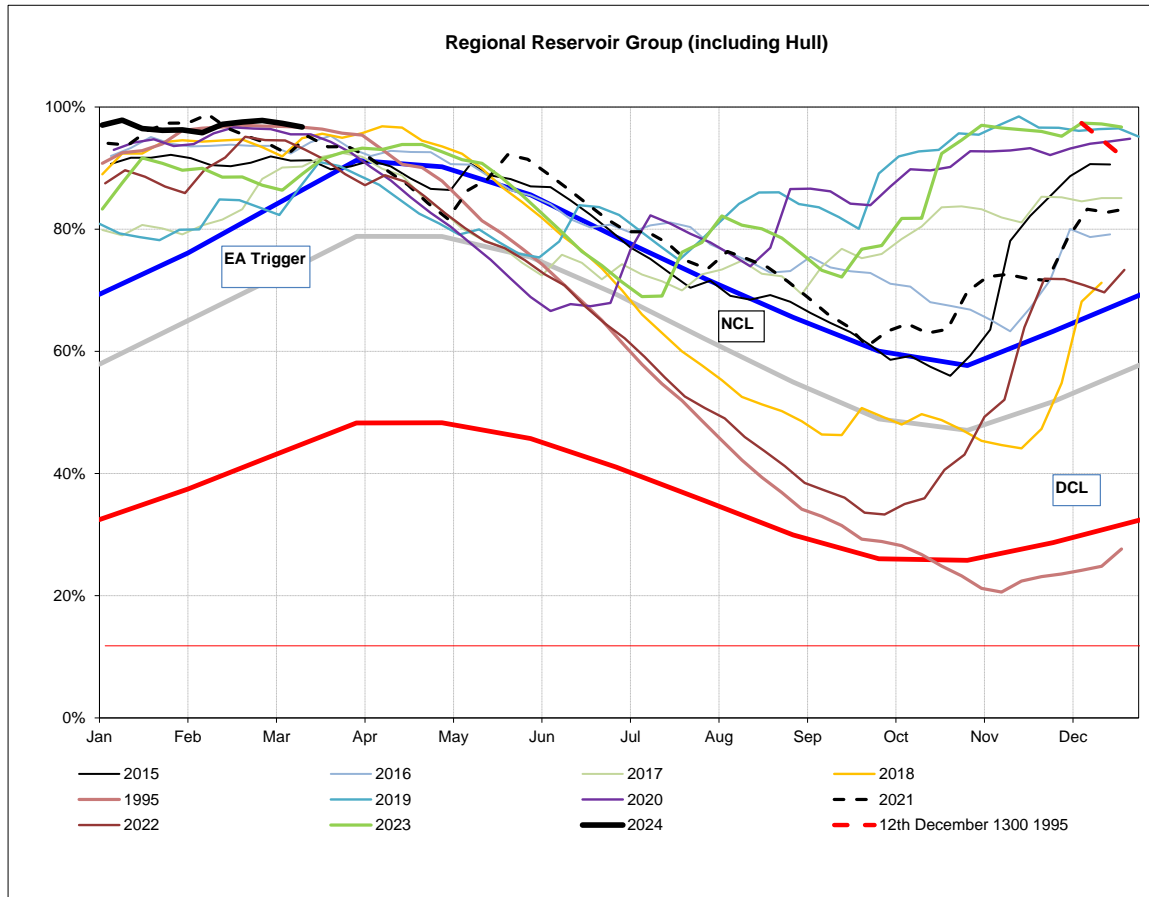




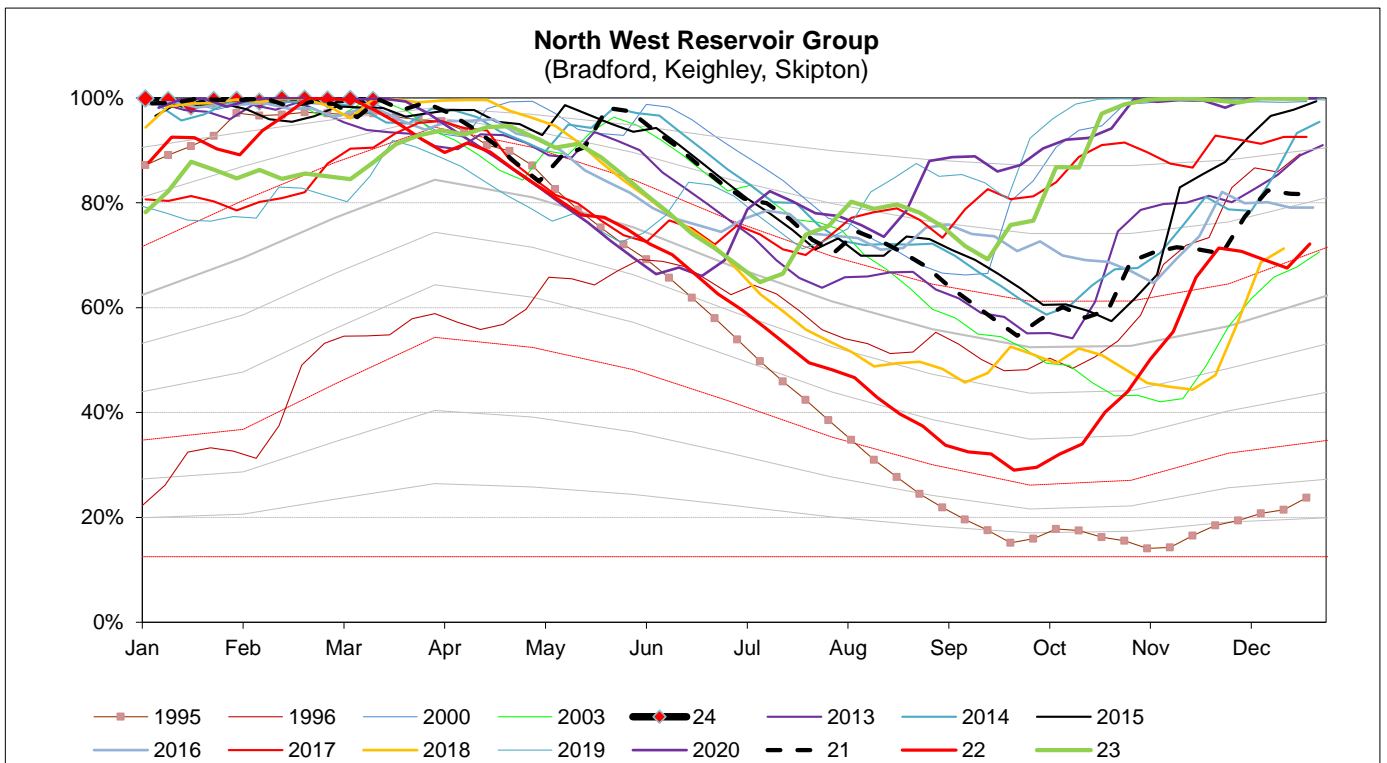
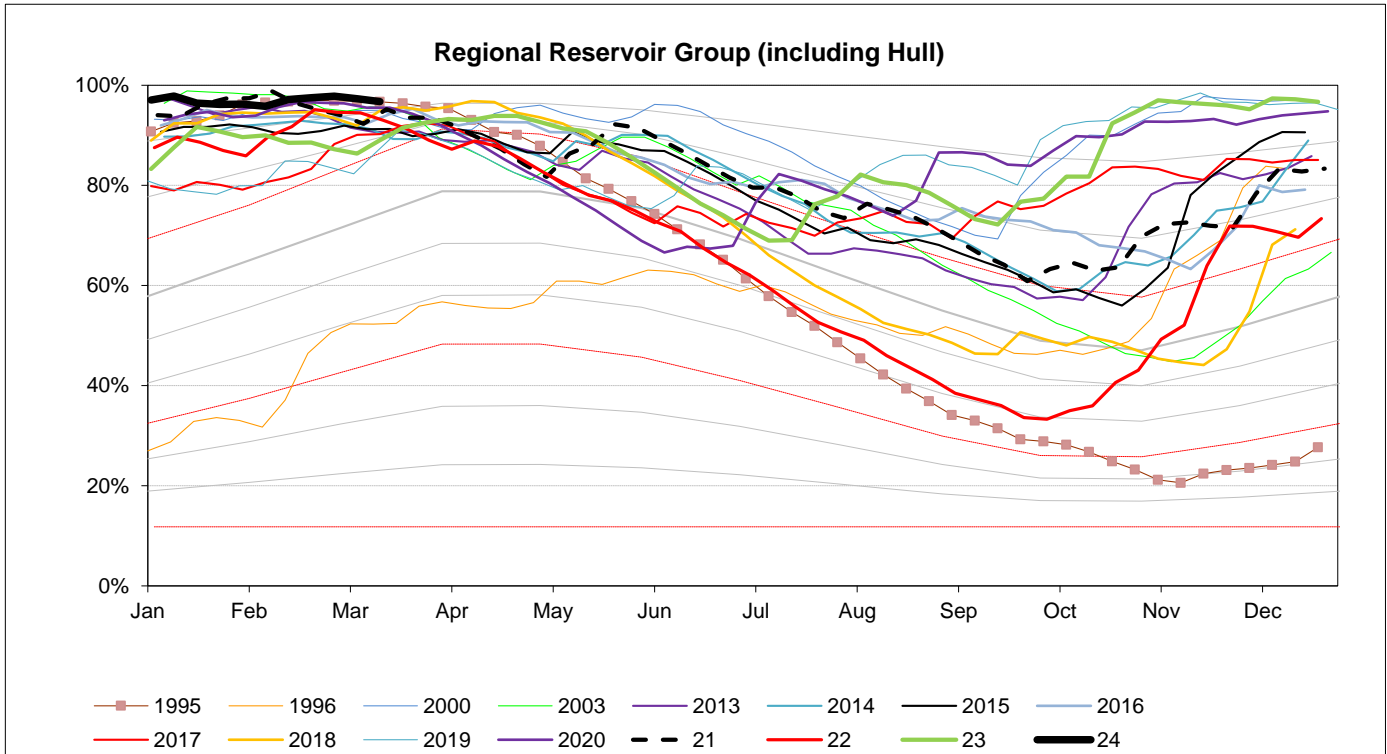
## EA STOCKS REPORT

26 February 2024

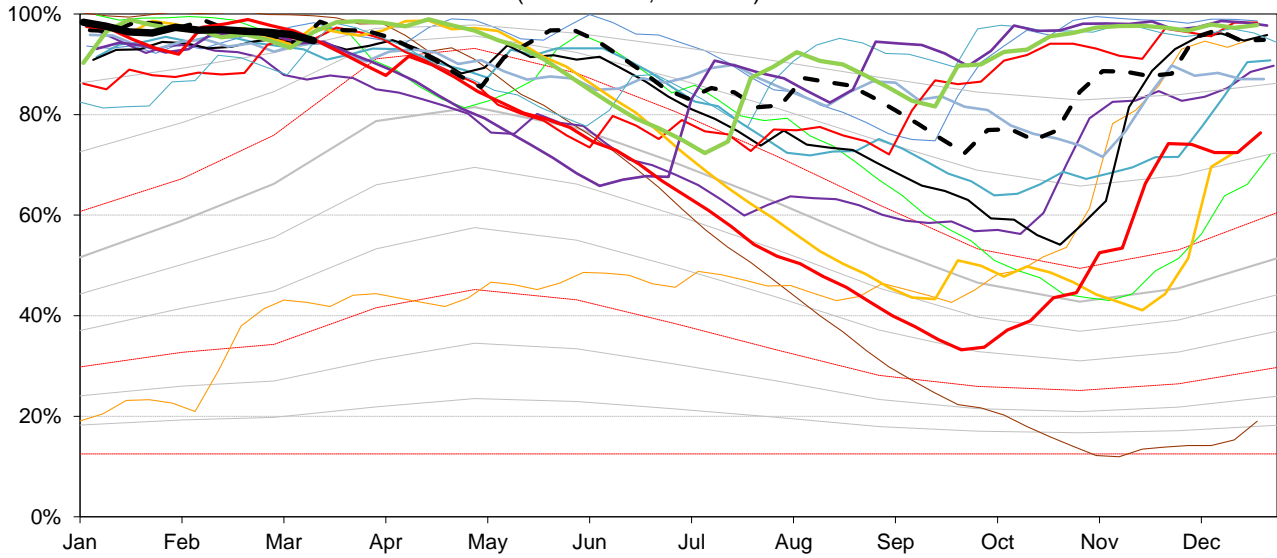
EA Stocks Report	11/03/2024						
	MI	%	% change		MI	%	% change
<b>South West Area Supply Reservoirs</b>				<b>South Area Supply Reservoirs</b>			
Calderdale Group	9679	86.9%	-1.8%	Don Valley	2031	97.7%	0.0%
Huddersfield Group	13822	97.9%	-0.4%	Little Don	7369	100.0%	0.0%
Brownhill/Digley excl Holmestye:	5616	100.0%	0.0%	Ewden Valley	4937	100.0%	0.0%
Boothwood/Ryburn	11264	96.2%	-1.4%	Loxley Valley	6874	100.0%	0.0%
				Rivelin	815	100.0%	0.0%
<b>South West Reservoir Group</b>	41713	94.7%	-1.2%	Redmires	2488	89.5%	1.4%
Bradford Area Supply Reservoirs				<b>South Reservoir Group</b>	24515	98.6%	0.2%
Gouthwaite	5811	100.0%	0.0%	Winscar Group	9397	100%	0.2%
Grimwith	21764	100.0%	0.0%				
Nidd/Barden/Chelker	19122	99.7%	-0.1%	Compensation Reservoirs			
Rombalds/Thornton Group	2155	96.6%	-1.4%	Scout Dike	694	100.0%	0.0%
				Underbank	2867	100.0%	0.0%
Skipton Area Supply Reservoirs				Morehall	2173	100.0%	0.0%
Embsay	677	93.6%	-4.5%	Damflask	5106	100.0%	0.0%
Worth Valley Group	3312	100.0%	0.0%				
<b>North West Reservoir Group</b>	47029	99.6%	-0.2%	<b>North Area Supply Reservoirs</b>			
				Washburn	22927	98.1%	-0.3%
Compensation inc Silsden	2329	99.0%	-0.3%	Eccup	6565	93.7%	-0.9%
Gouthwaite	5811	100.0%	0.0%	Leighton/Roundhill	7401	100.0%	0.0%
March Ghyll & Elslack Reservoirs excluded for consistency with stocks predictions in WRAPSIM				Haverah Park	1002	100.0%	0.0%
				Lumley Moor	381	100.0%	0.0%
				Thornton Steward	921	97.1%	0.0%
East Area Supply Reservoirs							
Tophill Low	1435	85.3%	0.2%	North Reservoir Group	32632	98.1%	-0.2%
Hull Aquifer	16859	88.7%	-2.3%	Lindley Wood Compensation	2920	100.0%	0.0%
<b>East Reservoir Group</b>	18294	88.4%	-2.1%	Regional Reservoir Group	173581	96.7%	-0.6%
				(sum of South West, North West, East, South, North & Winscar Reservoirs)			



<b>Triggers</b>	
EA early warning (CL4)	Water resources to advise EA on production
Hosepipe Restrictions	When projected falling stocks fall below DCL
Drought Orders	When stocks are below DCL.

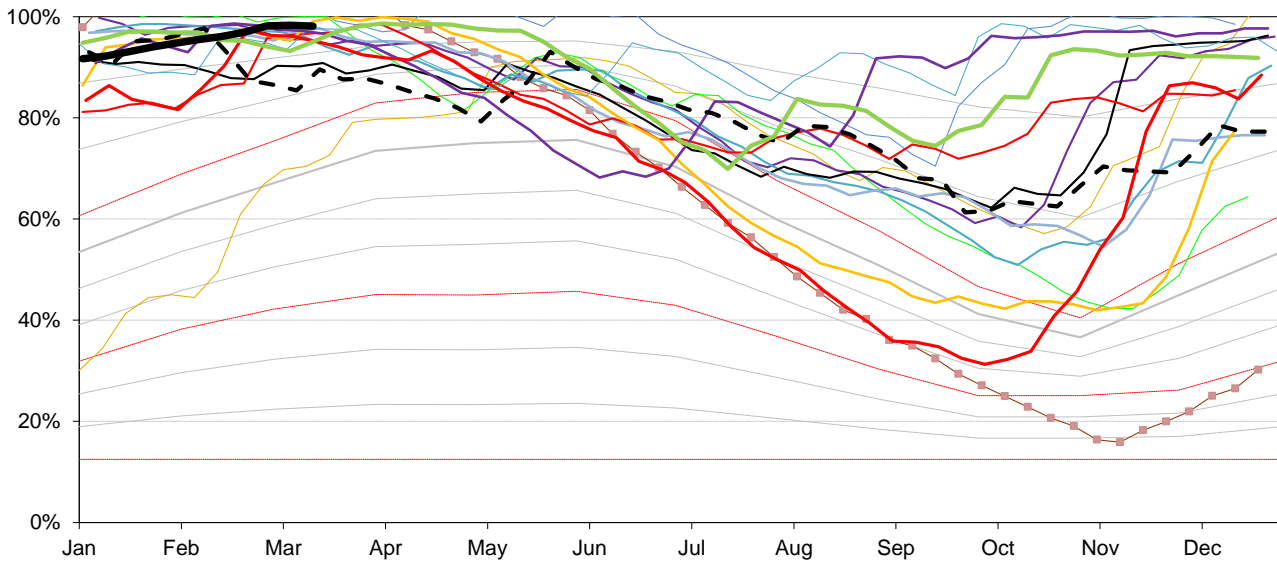


**South West Reservoir Group**  
(Calderdale, Kirklees)



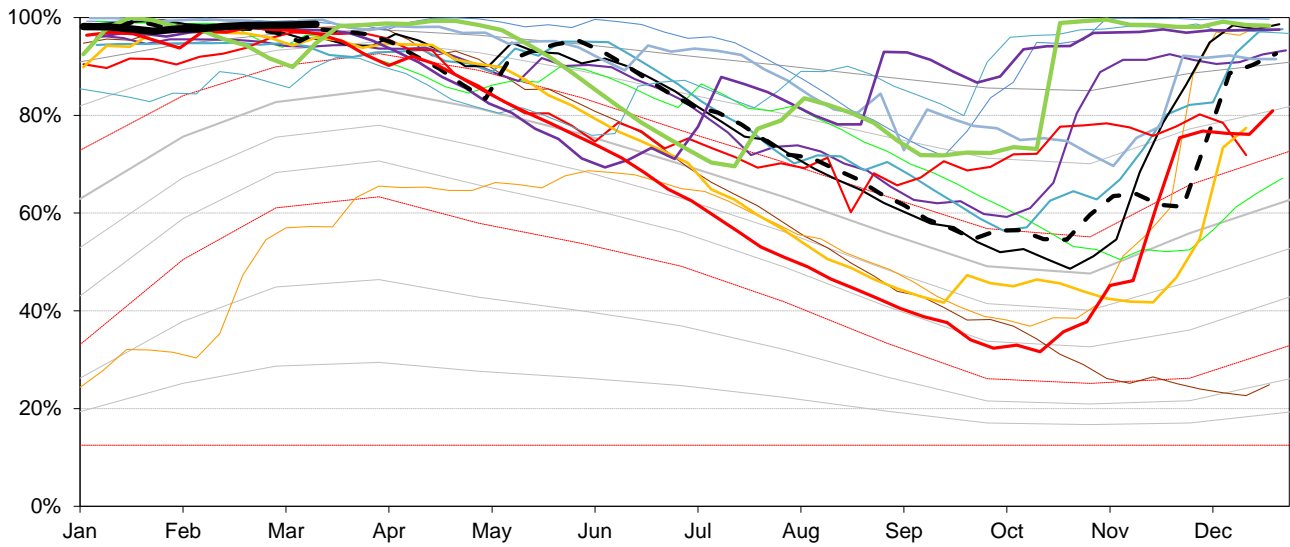
1995 1996 2003 2000 2013 2014 2015 2016  
 2017 2018 2019 2020 - - 21 22 23 24

**North Reservoir Group**  
(Leeds, Harrogate)



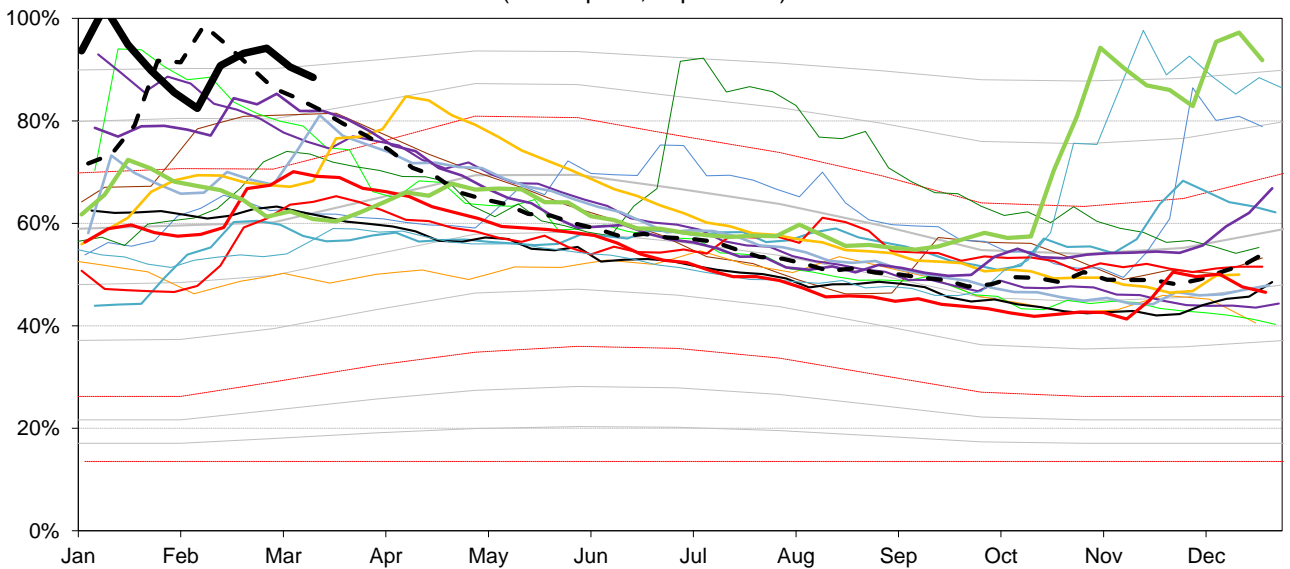
1995 1996 2000 2003 2013 2014 2015 2016  
 2017 2018 2019 2020 - - 21 22 23 24

**South Reservoir Group**  
(Sheffield, Barnsley)

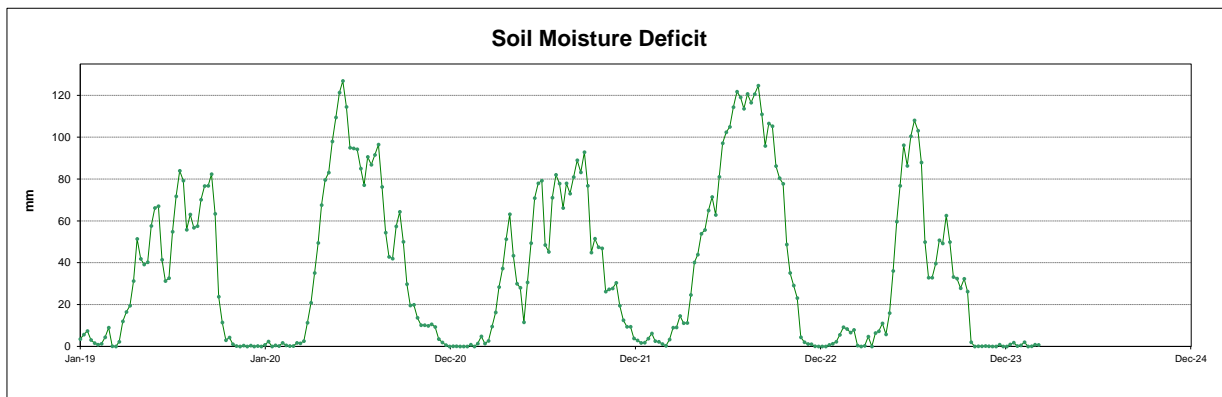
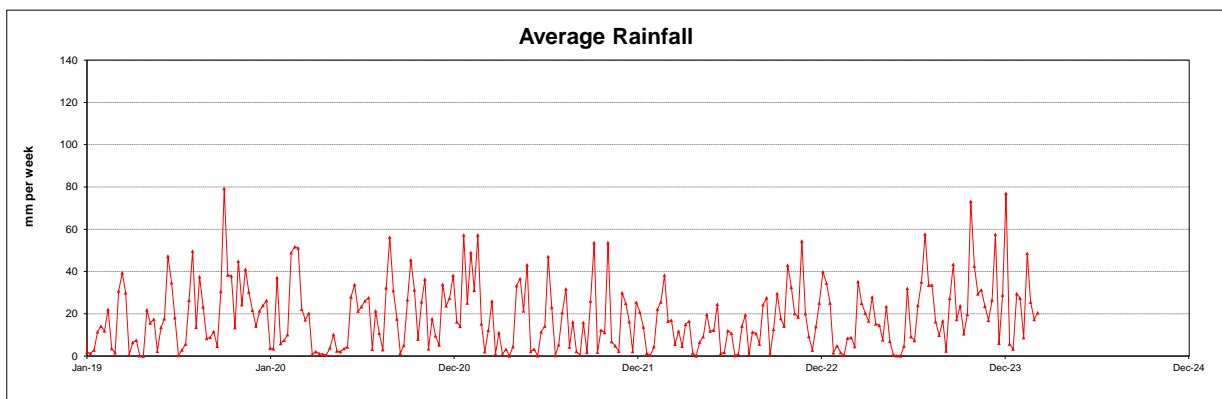
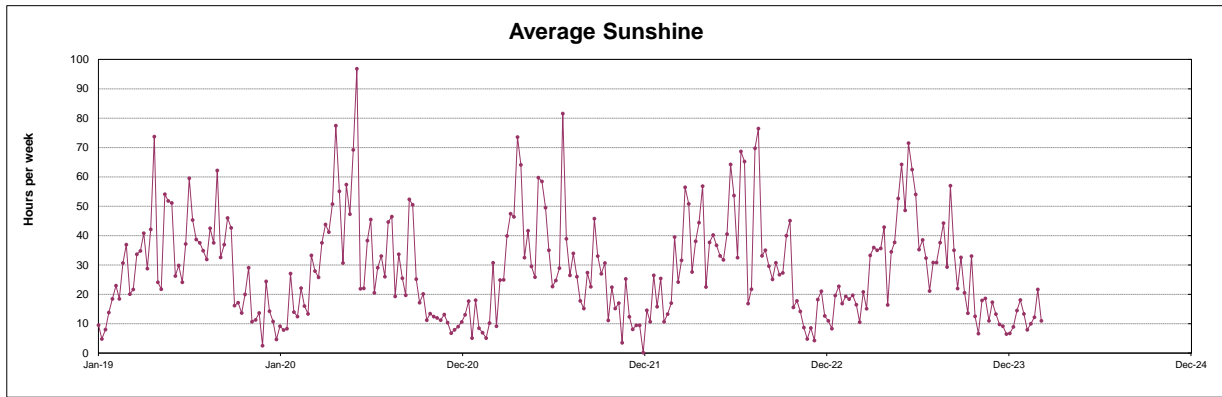


— 1995 — 1996 — 2000 — 2003 — 2013 — 2014 — 2015 — 2016  
 — 2017 — 2018 — 2019 — 2020 - - 21 - - 22 — 23 — 24

**East Reservoir Group**  
(Hull Aquifer, Tophill Low)



— 1995 — 1996 — 2000 — 2003 — 2013 — 2014 — 2015 — 2016  
 — 2017 — 2018 — 2019 — 2020 - - 21 - - 22 — 23 — 24



This page will normally be updated monthly (approx mid month).  
 This data may be subject to change following routine validation checks.  
 Where showing a negative value, this is normal at certain sources, due to the imports of water into that source being greater than the volumes abstracted.  
 Annual licences run from April to March.

Units in MI

Serial No	Source	Last calendar month MI	Run date		
			Year to date MI	Annual Limit	% of Annual Limit
02/27/023/332	Ainderby Steeple Boreholes	133	1220	1760	69%
03/28/083/010	Armthorpe Boreholes	231	2121	3319	64%
03/28/083/012	Austerfield Boreholes	388	2973	11615	26%
02/27/022/020	Aysgarth & Newbiggin Springs	14	146	341	43%
02/27/012/035	Baitings, Ryburn & Blackhouse reservoirs	442	4030	20457	20%
02/27/023/032	Bellerby Borehole and springs near Bellerby	74	715	1250	57%
02/27/022/209	Birk Gill & River Burn	433	3475	6400	54%
02/27/012/254	Boothwood Reservoir & associated catchwaters	127	2376	20457	12%
02/27/10/112	Boshaw Whams Reservoir	0	0	55	0%
03/28/083/105	Boston Park Boreholes	192	1919	3318	58%
02/27/024/305	Brayton Barff Boreholes	0	0	2250	0%
02/26/030/002	Bridlington	148	1411	2500	56%
02/27/005/031	Broomhead Reservoir	1070	9666	12410	78%
02/26/030/004	Burton Agnes	76	759	1000	76%
02/27/018/080	Carlton Hanger Lane Boreholes	333	2263	3500	65%
02/27/018/079	Carlton Mill Lane Boreholes	150	1547	3800	41%
02/27/019/009	Carr Bottom Reservoir, Burley Woodhead	0	80	409	20%
02/27/023/340	Catterick Boreholes	218	2082	2920	71%
02/27/027/136	Cayton Carr Lane Boreholes	157	1564	3928	40%
02/27/027/163	Cayton Station Road Borehole	25	500	2646	19%
02/27/019/137	Chelker Reservoir	514	2940	5000	59%
02/27/023/031	Coalsgarth Springs	1	41	750	5%
02/27/011/064	Colne Valley Catchwaters	162	1834	5840	31%
02/26/032/126	Cottingham Well	633	6249	18184	34%
02/27/018/081	Cowick Boreholes	381	3616	5250	69%
02/27/023/046	Cranehow & Downholme Springs	0	0	318	0%
02/27/023/030	Crumma, Newsham & Gandale Springs	77	830	1364	61%
02/27/005/030	Dale Dyke & Agden Reservoirs	839	8878	12410	72%
02/27/012/261	Dean Head & Scammonden	80	903	3650	25%
02/27/19/121	Dib Spring, Hawkswick	0	0	27	0%
02/26/032/126	Dunswell Well	783	7162	16593	43%
NE/27/025/021	East Ness Boreholes	315	2793	5680	49%
02/26/031/087	Elmswell Wold Borehole	20	110	1273	9%
02/27/015/045	Embsay Reservoir	306	1548	1846	84%
02/27/016/196	Esholt Sewage Treatment Works	0	0	88	0%
02/26/032/124	Etton Boreholes	119	1519	5100	30%
03/28/083/012	Finningley Boreholes	290	2859	6780	42%
02/27/022/328	Fossdale (High Shaw) Springs	9	97	227	43%
02/27/018/120	Goosehouse Boreholes	176	2897	3500	83%
02/27/012/043	Gorpley Reservoir	0	0	1823	0%
02/27/016/022	Graincliffe Reservoir & Morton Springs	307	1583	2728	58%
02/27/012/037	Green Withens Ringstone Res & catchwater	387	4195	20457	21%
02/27/019/051	Greenhow Tunnel (Nidd Aqueduct) Dale Head Intake	0	0	214	0%
02/27/019/052	Greenhow Tunnel (Nidd Aqueduct) No.2 Access Shaft	0	0	6819	0%
NE/27/019/005	Grimwith Reservoir to Nidd Aqueduct	0	1125	3650	31%
02/26/030/003	Haithorpe Boreholes	381	3804	5000	76%
03/28/083/012	Hatfield Boreholes	117	1649	3319	50%
03/28/083/100	Hatfield Woodhouse Boreholes	0	0	3320	0%
02/27/029/010	Hazel Head Springs	53	418	1162	36%
02/27/012/041	Hebden, Luddenden & Hebble Valley Resrs	1202	10521	15695	67%
02/27/018/077	Heck Boreholes	31	1119	2489	45%
03/28/083/012	Highfield Lane Boreholes	357	3848	11615	33%
02/27/023/685	Hollin Hill Borehole	6	19	45	43%
02/27/010/063	Holmestyes & Digley Reservoirs	281	3018	5840	52%
02/27/22/024	Horsehouse Spring, leyburn	0	0	33	0%
02/27/027/002	Howe Hill Well	76	756	1014	75%
02/26/031/006	Hutton Cranswick	44	411	796	52%
02/27/005/012	Ingbirchworth Reservoir & Annat Royd Intake	239	1335	3637	37%
02/27/005/202	Ingbirchworth South Borehole	4	42	132	32%
02/27/027/058	Irton	455	4429	8215	54%
02/27/21/015	John O'Gaunts and Beaverdyke Reservoirs	0	0	1909	0%
02/27/014/010	Keighley Moor Reservoir	66	415	6951	6%
02/27/025/128	Keld Head Boreholes	163	1676	3319	50%
02/26/032/126	Keldgate Boreholes	193	1375	5819	24%
02/26/031/002	Kilham	1	157	1818	9%
02/27/005/032	Langsett Reservoir	1134	10592	17155	62%
02/27/022/210	Leighton Reservoir & Spruce Gill stream intake	592	5489	13184	42%
03/28/083/107	Littleworth Borehole	0	0	1659	0%
02/27/028/270	Loftsome Bridge ASR Borehole No.1	0	0	750	0%
02/27/014/009	Lower Laithe Reservoir	252	2149	6951	31%
02/27/005/011	Midhope Reservoir & Knoll Brook Intake	378	2659	17155	15%
02/26/034/006	North Newbald	0	0	1137	0%
03/28/083/012	Nutwell Boreholes	253	2452	4983	49%
02/27/019/006	Panorama, Hilltop & Old Reservoirs & Springs	0	90	1000	9%
02/27/018/078	Pollington Boreholes	209	2488	5000	50%
02/27/014/058	Ponden Reservoir	52	701	6951	10%
02/27/016/023	Reva Reservoir, Hawkesworth	35	721	1364	53%
02/27/005/029	Rivelin and Redmires Reservoirs	273	2435	8030	30%

02/27/028/017	River Derwent at Elvington	4879	42390	75000	57%
02/27/028/083	River Derwent at Loftsme Bridge	2175	22653	30400	75%
02/27/029/012	River Esk	259	2627	7823	34%
02/26/031/047	River Hull & West Beck	1325	14375	25000	58%
02/26/032/194	River Hull for Sewer Cleaning	0	0	91	0%
02/27/024/078	River Ouse at Acomb	825	8145	35000	23%
02/27/024/158	River Ouse at Moor Monkton	2194	25413	73000	35%
02/27/022/214	River Ure at Kilgram Bridge	33	2905	15000	19%
02/27/020/196	River Wharfe at Arthington	1251	2252	19009	12%
02/27/019/129	River Wharfe at Lobwood	1408	16258	23742	68%
03/28/083/012	Rossington Bridge Boreholes	0	0	5172	0%
02/27/022/027	Roundhill and Lumley Moor Reservoirs	3	5	3500	0%
02/27/005/013	Royd Moor Reservoir & Intakes	115	872	2955	30%
02/27/021/016	Scargill Reservoir	78	602	1932	31%
02/27/021/092	Scarhouse & Angram Resvrs with tunnel & catchwater	3117	29781	38164	78%
02/27/15/149	Silsden Beck, Stilling-Basin at foot of Silsden Reservoir Embankment	0	0	10	0%
02/26/032/126	Springhead Well	929	6839	13638	50%
02/27/022/021	Stalling Busk & Marssett Springs	0	0	33	0%
02/27/022/208	Stock Beck, Carlesmoor Beck & River Laver	0	628	3500	18%
02/27/023/684	Stubbing Nook Borehole	0	52	135	39%
03/28/083/012	Thornham Boreholes	299	2910	6213	47%
02/27/016/160	Thornton Moor & Stubden Reservoirs	0	1082	6214	17%
02/27/012/038	Turvin Clough	41	483	4014	12%
02/27/019/054	Upper & Lower Barden Reservoirs	282	3717	14223	26%
02/27/020/088	Washburn Valley Reservoirs	2728	24978	43800	57%
02/27/015/041	Watersheddles Reservoir	157	1260	6951	18%
02/27/016/021	Weechee Reservoir	0	144	909	16%
02/27/011/065	Wessenden Valley, Blackmoorfoot & Deerhill	838	7960	12410	64%
02/27/023/034	West Stonesdale (Garland Hill) Springs	0	0	282	0%
02/27/015/042	Whinney Gill & Jenny Gill Reservoirs	17	87	377	23%
02/27/005/026	Winscar, U & L Windleden, Harden & Snailsden	313	4855	10140	48%
02/27/012/036	Withens Clough Resr & Catchwater	139	1781	3319	54%
02/27/010/011	Yateholme, Riding Wood, Ramsden & Brownhill	306	2230	6820	33%

\*Rivelin & Redmires, Langsett Reservoir and Royd Moor Reservoir has estimates for Jan as we are waiting for some data

Licences with Aggregated Annual Quantities	Last calendar month MI	Year to date MI	Annual Limit	% of Annual Limit
Baitings, Ryburn, Boothwood, Green Withens	956	10601	20457	52%
Langsett, Midhope	1512	13251	17155	77%
Worth Valley	527	4525	6951	65%
River Derwent (Elvington, Loftsme)	7054	65043	94841	69%
Cayton, Irton	636	6493	10700	61%
Selby Boreholes	1280	13930	25283	55%
Doncaster Wellfield	2127	20733	30295	68%
Doncaster Sub Group	1704	16692	26049	64%
Austerfield & Highfield Lane	745	6821	9956	69%
Hull Groundwater Sources	2538	21626	32850	66%

Third Party Agreements (Calendar Year)	Units in MI		Run date	01-Feb-24
Source	Last calendar month MI	Year to date MI	Annual Limit	% of Annual Limit
CRT, Hudds Narrow Canal	51	51	1273	4%
Severn Trent Ladybower Reservoir	1951	1951	21550	9%

Latest Reading date: 24-Dec-23

	Year to date MI	Annual Limit	% of Annual Limit
Winscar To Langsett Transfer Usage	1294	2482	52%