

1. Rainfall

The Yorkshire Region Has Received 72.9% of LTA for January

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

Over the Past Week Our Reservoir Stocks Have Decreased By -1.04% To 92.5%

3. Rivers

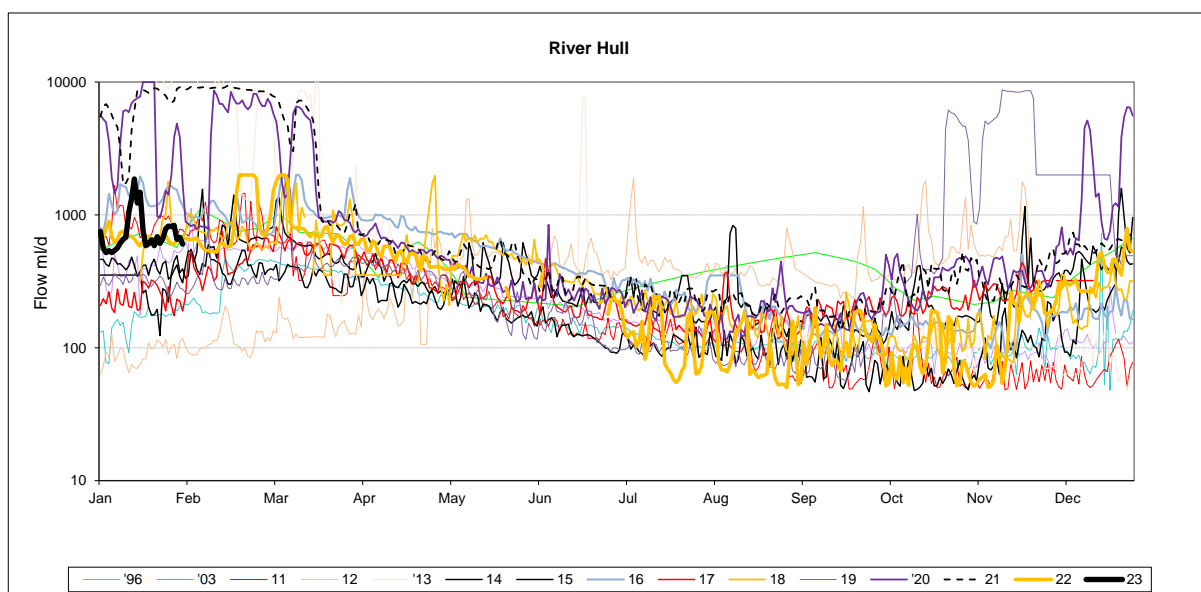
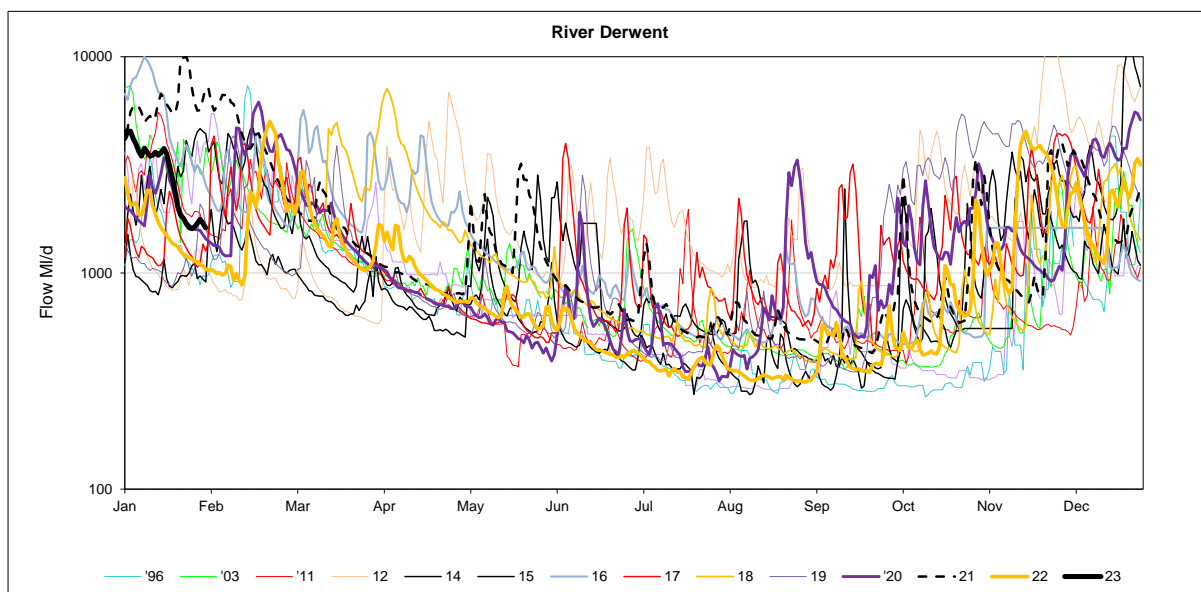
All of Our Rivers are Above Critical Levels

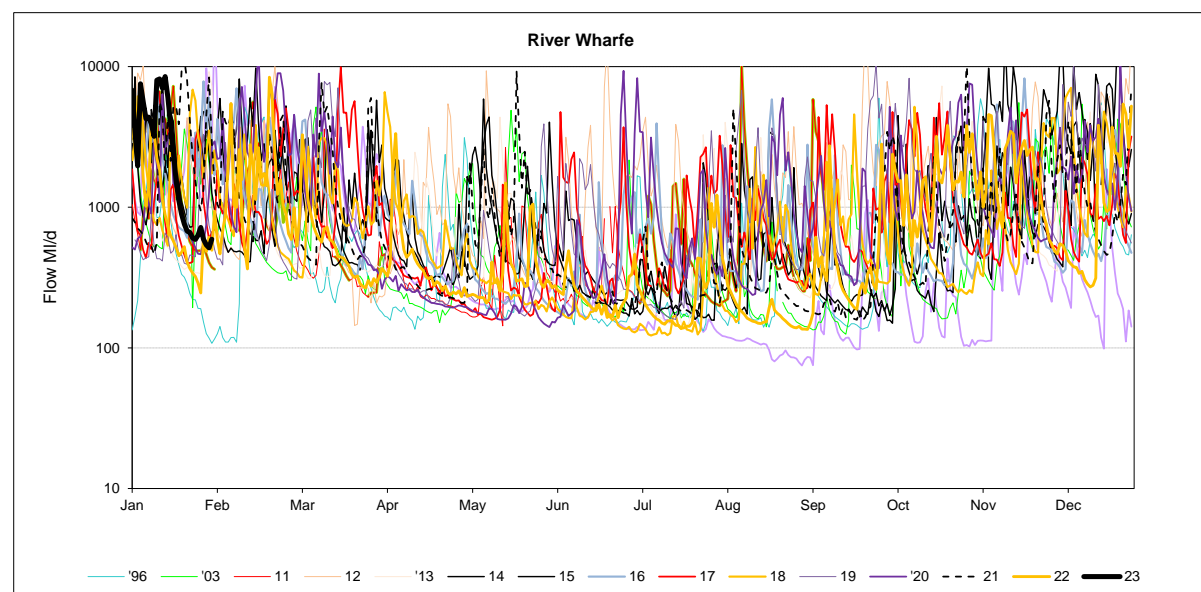
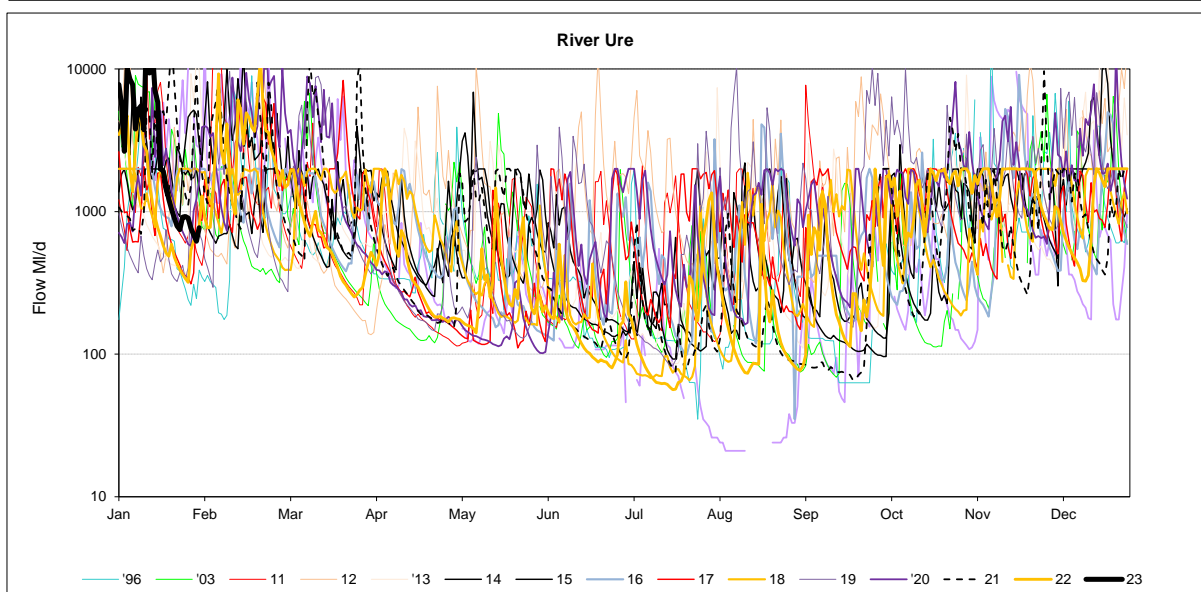
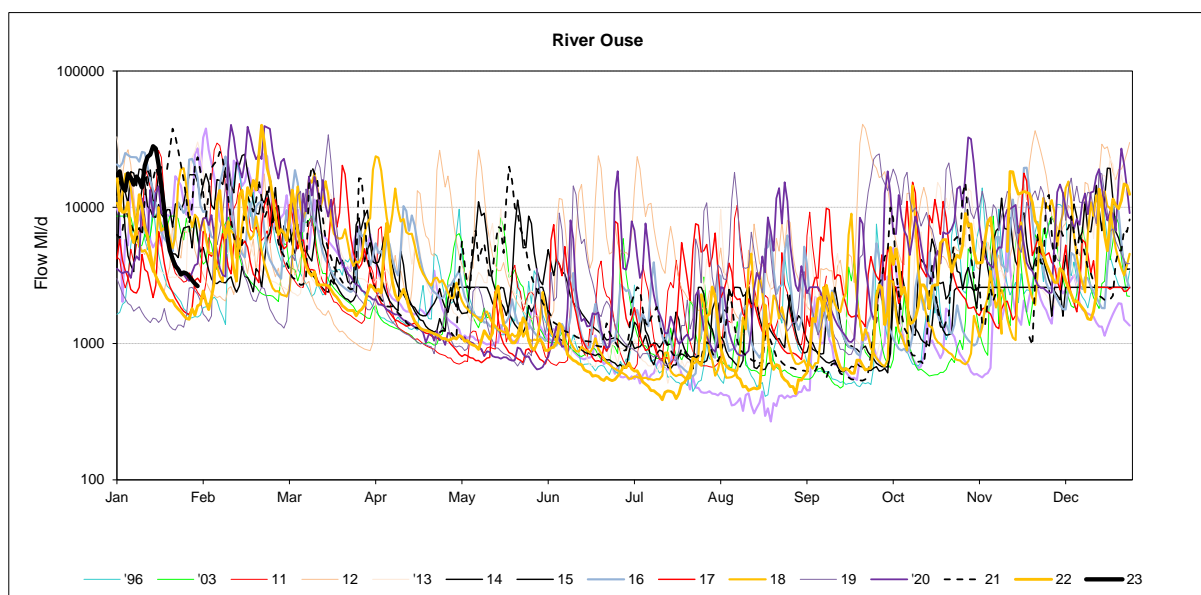
4. Demand

Regional Demand = 1351.6 Ml/d (including York)

5. Comments

	Mon 30-Jan	Mon 23-Jan	Mon 16-Jan	Mon 09-Jan	Critical flow bands
Derwent	✓ 1615	✓ 1690	✓ 3550	✓ 3615	305
Hull (using gauged (residual flows) only from 2011)	✓ 603	✓ 663	✓ 765	✓ 655	45 / 159 / 227
Ouse	✓ 2641	✓ 3520	✓ 20520	✓ 15767	400 / 650 / 1000
Ure	✓ 771	✓ 747	✓ 1997	✓ 5500	50 / 163 / 300
Wharfe	✓ 593	✓ 605	✓ 2527	✓ 3194	252 / 389 / 488 / 580





Yorkshire Region (Met Office)				England/Wales	
Month	mm	LTA	LTA(%)	mm	LTA(%)
June	37	71	52%	49	71%
July	41	69	59%	27	38%
August	29	78	37%	36	45%
September	73	72	101%	80	108%
October	95	84	113%	110	110%
November	106	89	119%	143	141%
December	83	89	93%	100	96%
SOURCE OF DATA : Hydrological Summary of Gt Britain, Institute of Hydrology					

Yorkshire Water Services Data			
Rainfall Station	Total January	LTA January	LTA % January
Tophill	NDA	56	0%
Cottingham	NDA	55	0%
Bridlington	NDA	61	0%
Roundhill	68.0	112	61%
Fewston	61.3	90	68%
Osmotherley	28.4	68	42%
Scar House	79.7	147	54%
Watersheddles	91.3	140	65%
Gt Walden Edge	131.4	129	102%
Walshaw Dean	95.3	142	67%
Blackmoorfoot	112.8	120	94%
Ramsden	140.8	158	89%
Redmires	71.8	111	65%
Langsett	89.8	114	79%
YORKSHIRE REGION	88.2	121.0	73%
EAST REGION	28.4	68.0	42%
PENNINE (WEST)	88.2	121.0	73%
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			

MAJOR SOURCE OUTPUTS

30 January 2023

26/01/2023

	Operational Maxima & Design Yields (Ml/d)	WRAP Targets Week Beginning 26/01/2023	Daily Average Previous 5 Days Starting - 26/01/2023	WRAP Targets Week Starting - 19/01/2023	Daily Average Week Starting - 19/01/2023
WATER TREATMENT WORKS					
CENTRAL					
ECCUP NO 1 WTW	100	53	55	53	55
ECCUP NO 2 WTW	60	44	34	44	48
HEADINGLEY	95	63	62	63	60
HARLOW HILL	41.5	27	22	27	26
THORNTON STEWARD	22.5	20	22	20	22
EAST					
EAST NESS	17	8	8	8	8
IRTON	23.5	13	14	13	13
RUSWARP	12	7	8	7	7
TOPHILL LOW	68	40	46	40	46
KELDGATE	90	60	61	60	56
NORTH WEST					
CHELLOW	175	148	146	148	144
GRAINCLIFFE	60	38	39	38	37
SLADEN VALLEY	12	8	8	8	8
OLDFIELD	10.1	6	7	6	7
EMBSAY	25	17	21	17	20
SOUTH					
INGBIRCHWORTH	20	20	17	20	15
LANGSETT	56	36	50	36	53
(TOTAL)	75	56	68	56	68
EWDEN	40	35	35	35	37
LOXLEY	40	26	32	26	15
(TOTAL)	80	61	67	61	52
RIVELIN	75	64	72	64	72
SOUTH WEST					
ALBERT	55	51	52	51	52
FIXBY	30	21	18	21	16
KIRKHAMGATE	30	17	20	17	19
(TOTAL)	115	89	90	89	87
BLACKMOORFOOT	23	20	16	20	16
LONGWOOD	32	27	25	27	23
(TOTAL)	55	47	41	47	39
HOLMBRIDGE	29	19	22	19	26
GRID					
ELVINGTON	260	159	172	159	155
LOFTSOME BRIDGE	110	75	82	75	69

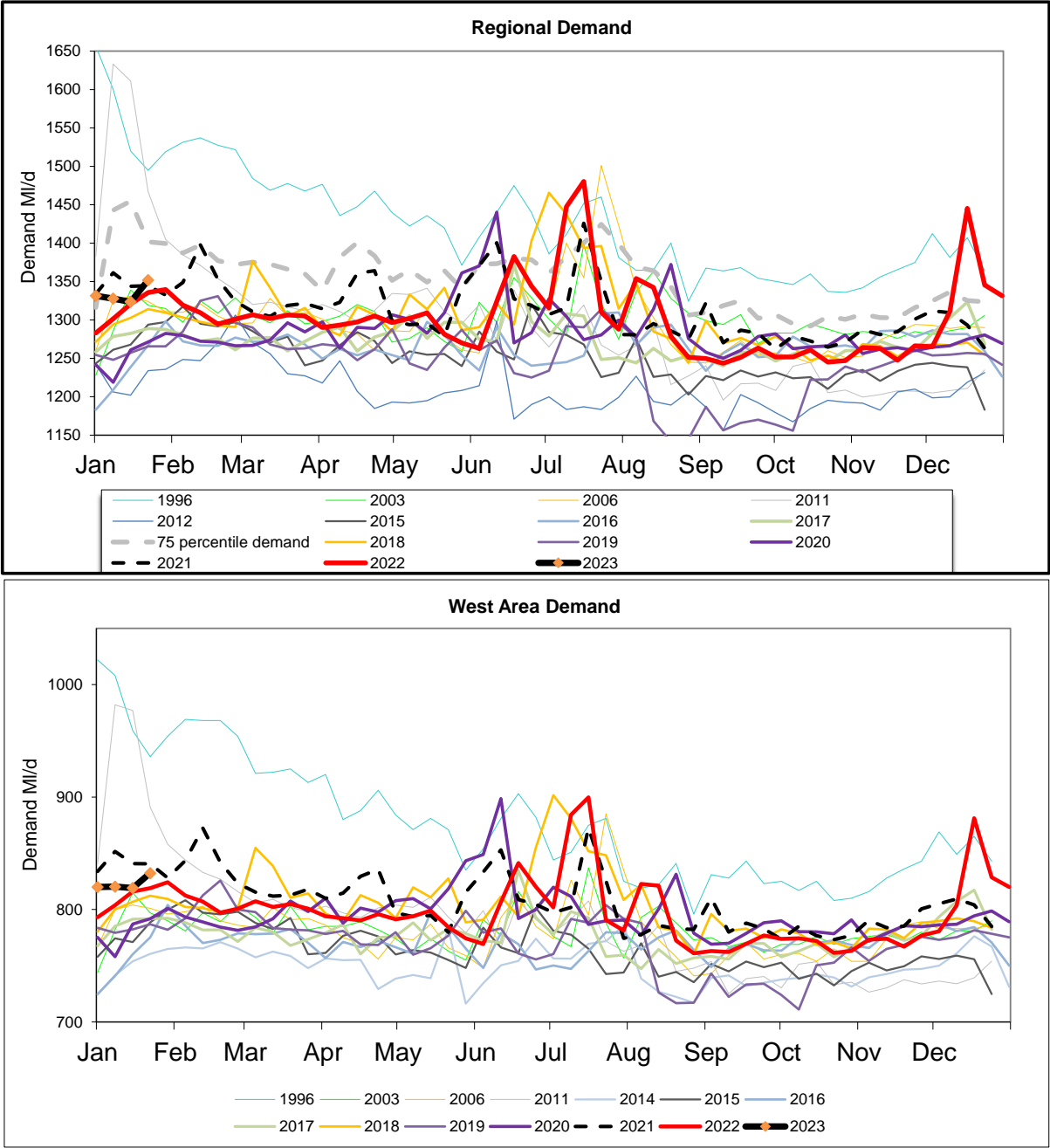
Daily Average Demand MI/d

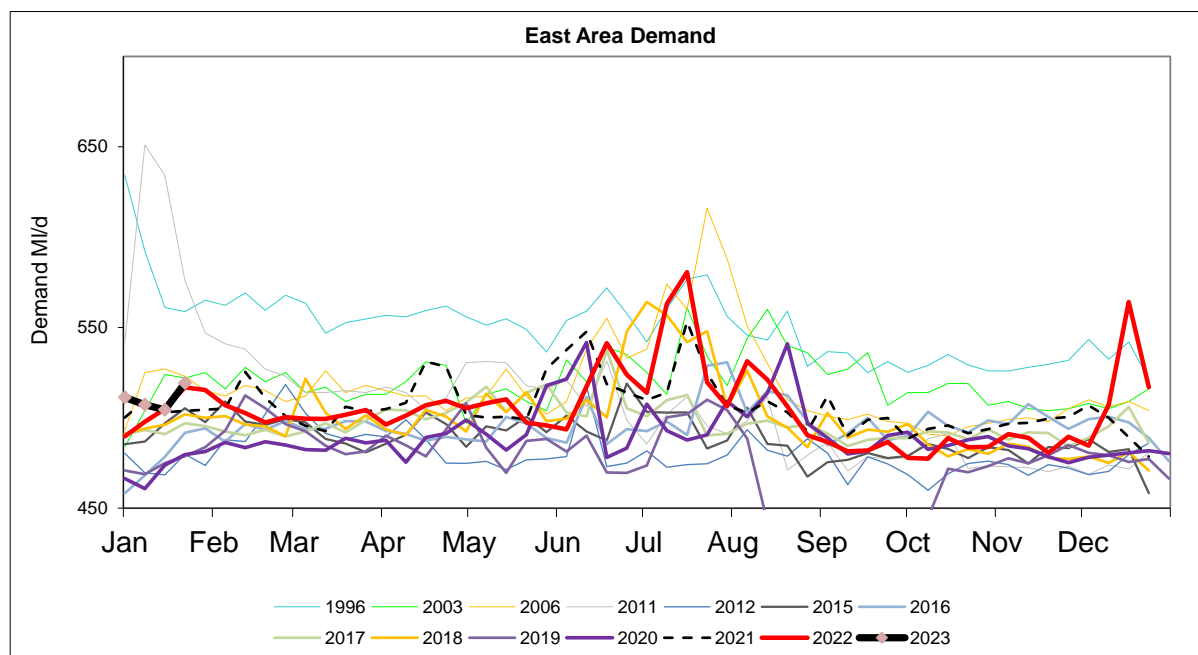
Week Ending Wednesday	L E E D S	W A K E F I L D	M O R E Y	S E L B Y	H A R O G A T E	H U L L	M A L T O N	S H E F F / B L Y	D O N C A S T E R	B R A D F O R D	C A L D E R	S K I P T O N	Y O R K A R E A	R E G I O N
28/12/2022	170	78	43	78	164	56	282	82	149	157	40	50	1346	
04/01/2023	173	77	42	78	158	55	284	80	144	155	39	47	1331	
11/01/2023	174	79	42	77	158	52	281	79	146	155	38	47	1328	
18/01/2023	174	78	42	76	157	51	285	80	145	153	38	47	1324	
25/01/2023	180	79	43	78	160	51	286	82	147	157	39	50	1352	

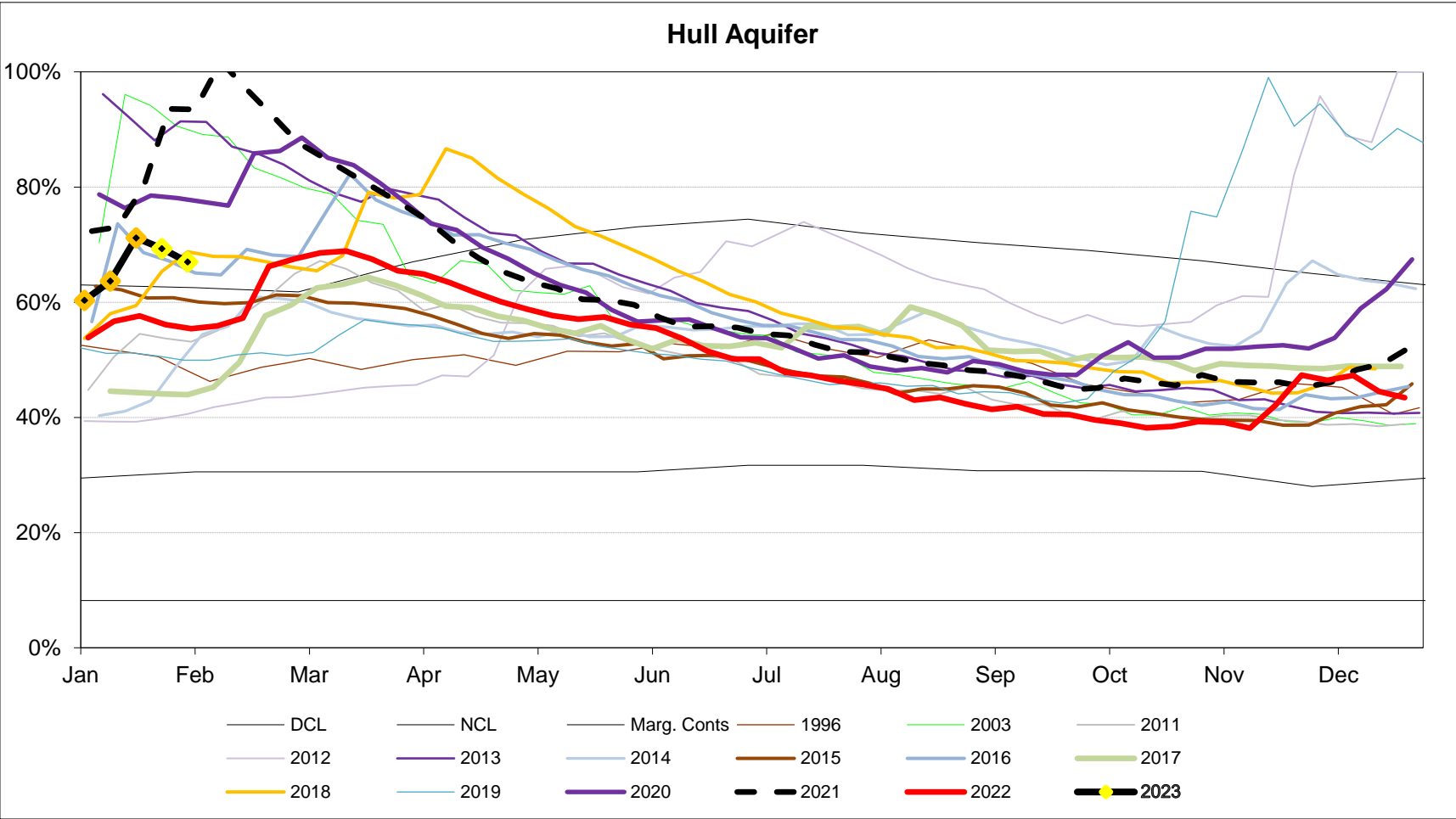
MONTHLY DEMANDS FROM WIS REPORT

Nov-22	170	81	41	69	140	50	266	74	138	153	34	44	1260
Dec-22	172	66	44	75	157	53	278	72	146	174	37	50	1323

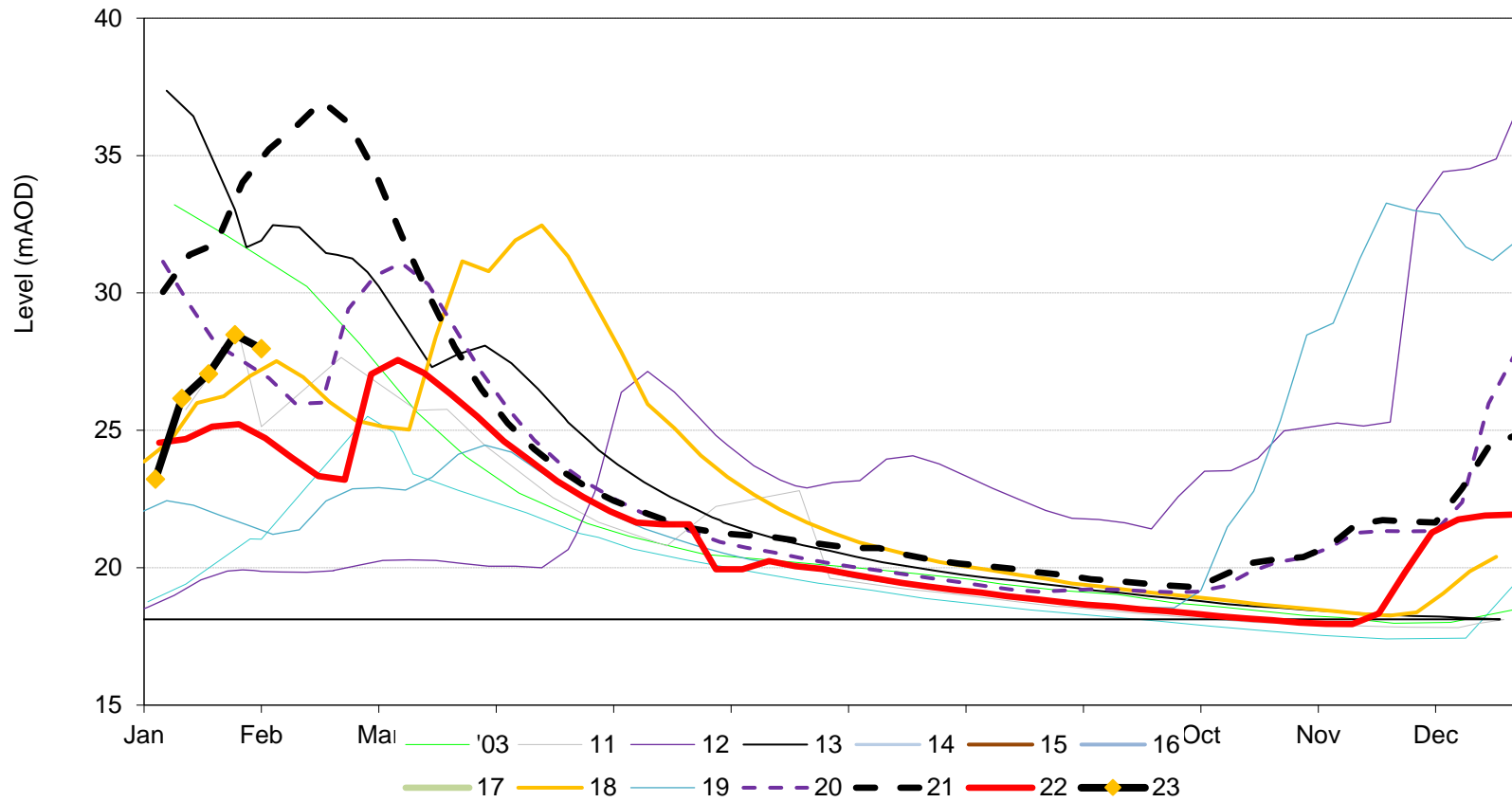
NB Current month demands include some estimates for minor sources and are not exactly comparable with previous months' figures.



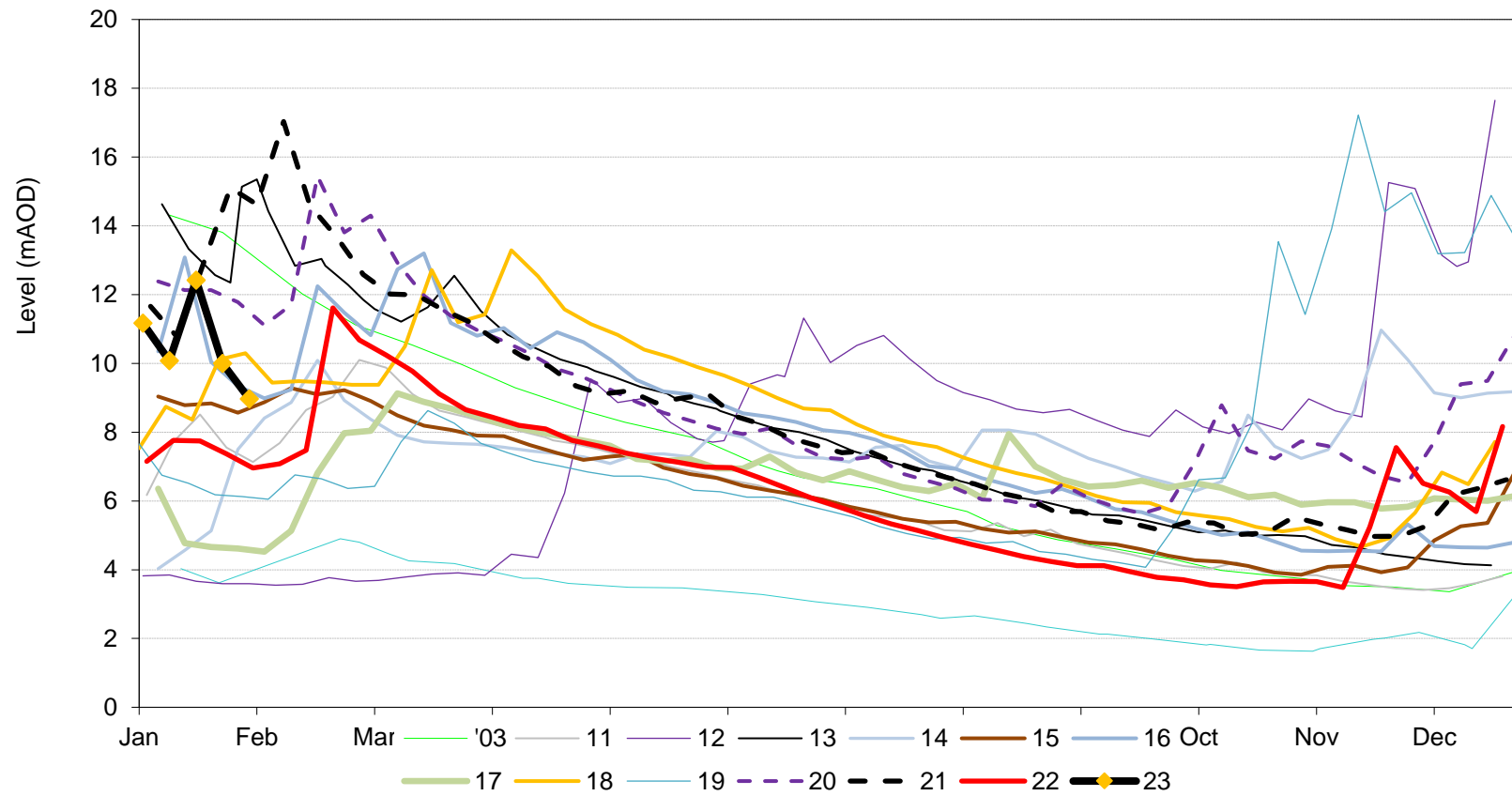




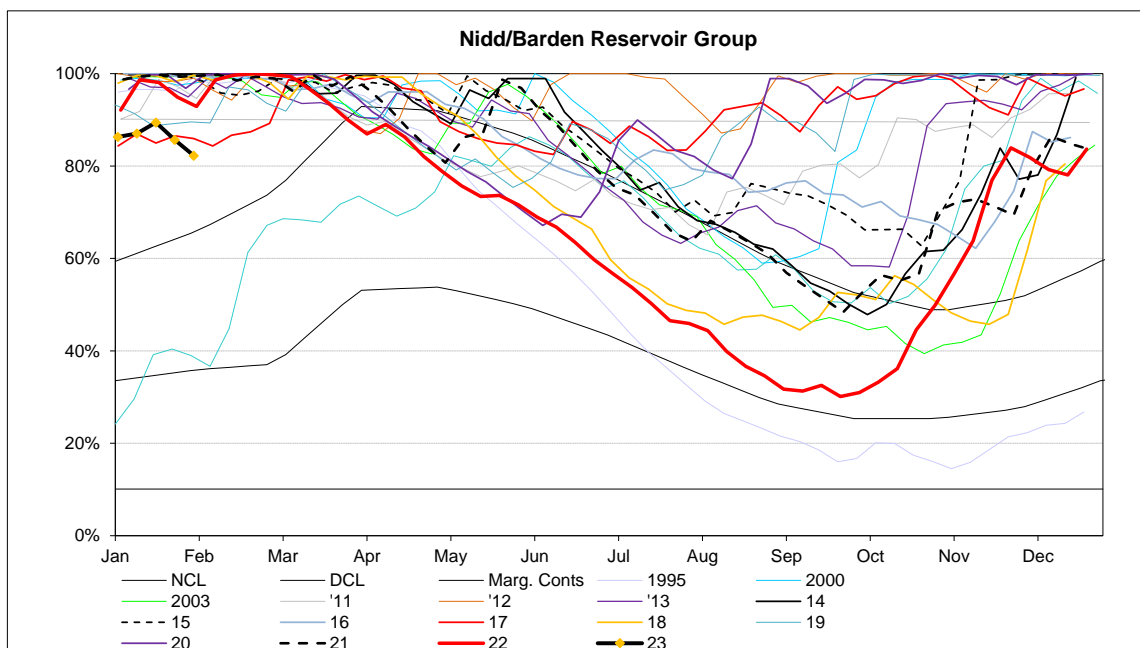
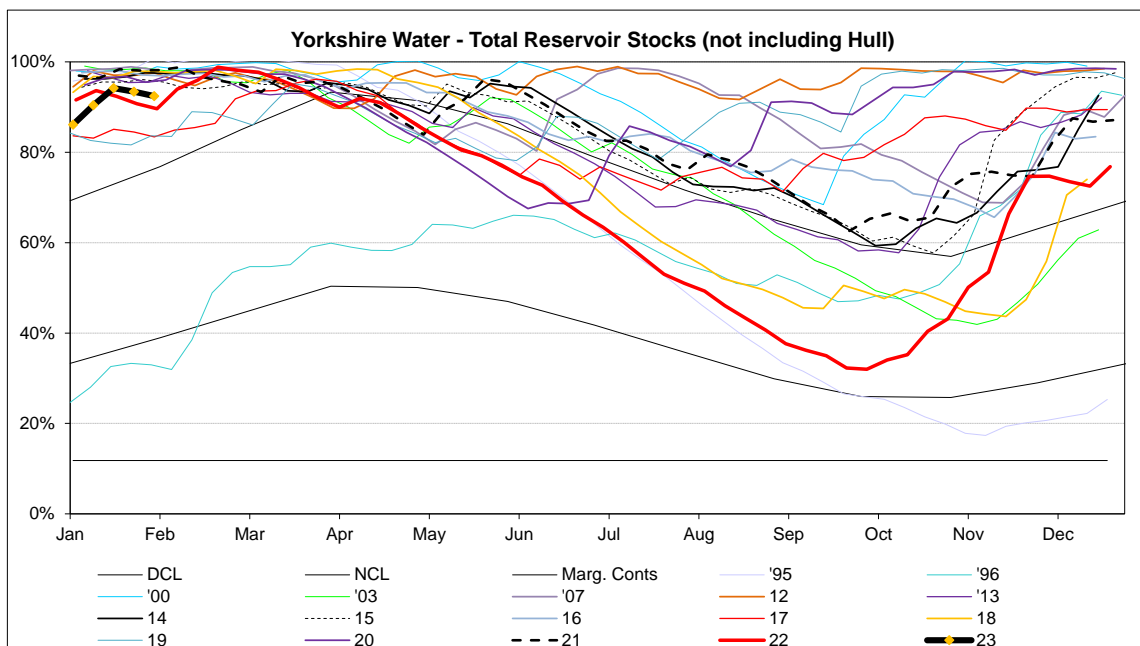
Chalk (Wolds Aquifer) Wetwang Observation Borehole - SE 958 594

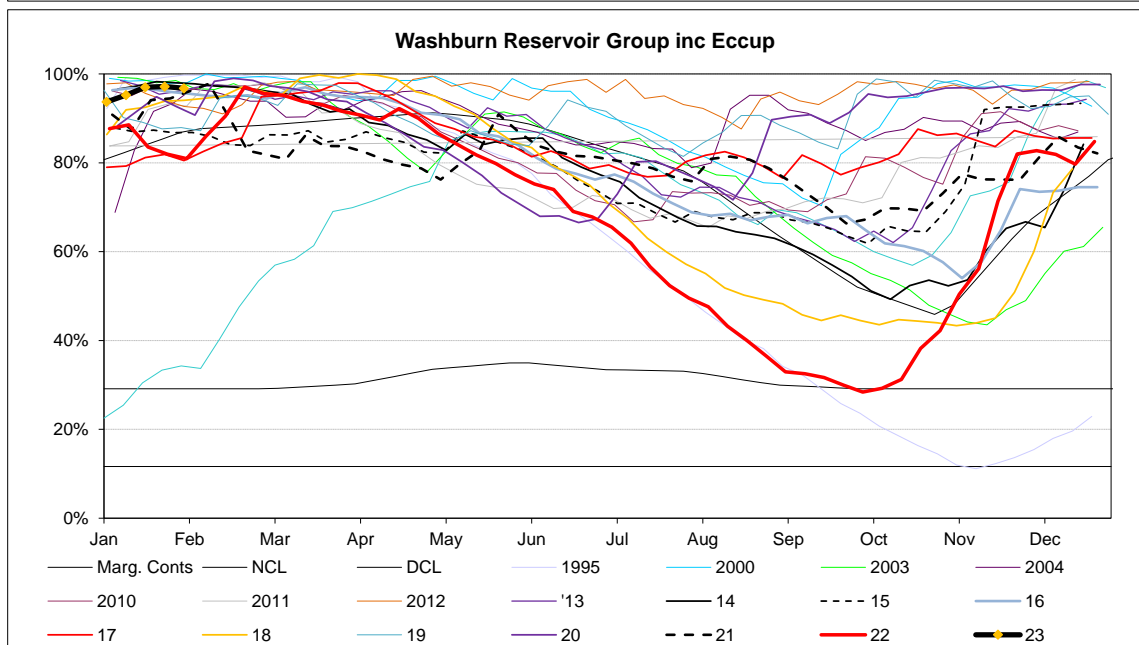
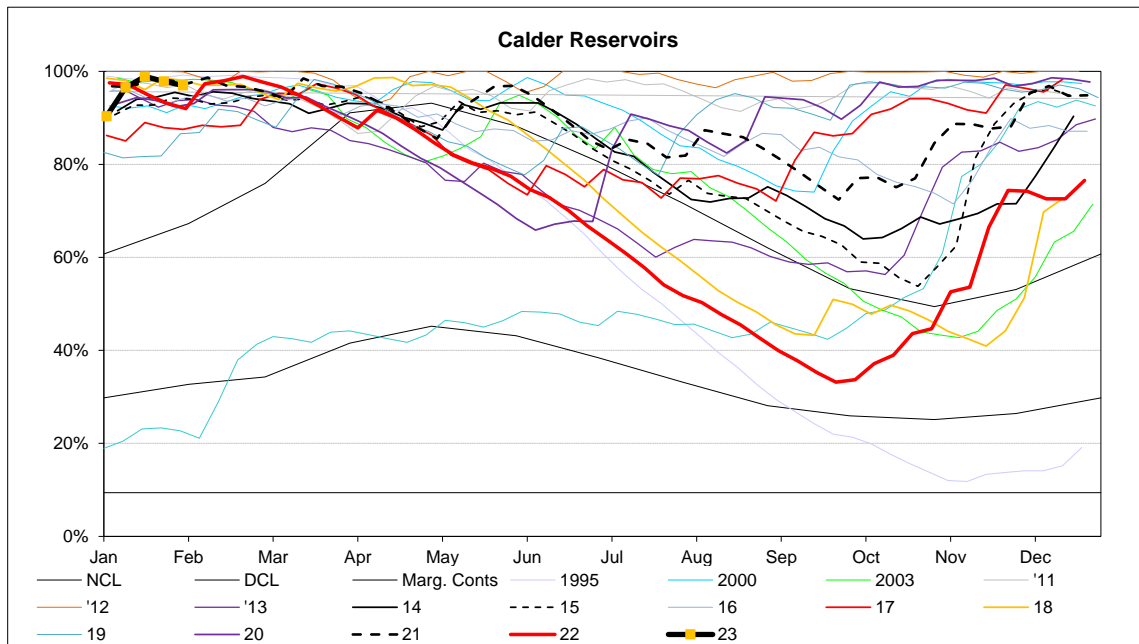


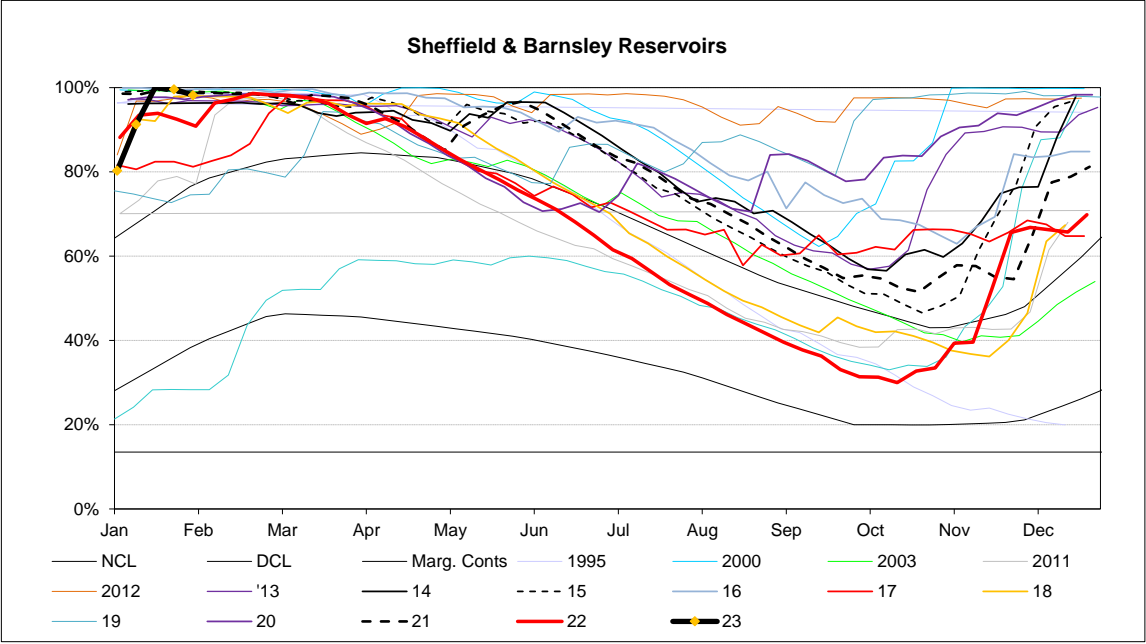
Chalk (Hull Aquifer)
Westwood Observation Borehole - TA 020 399



RESERVOIR STOCKS	30/01/2023		% Change	Planned Reservoir Safety Work		
Reservoir Group	% Stocks @	% Change	last week	Reason for Drawdown	Required Drawdown & Duration	
Calderdale (excl Withens Clough)	96.7%	-1.0%	-2.3%	Spillway Improvements Access for Tunnel Grounting at Upper IRE Access for Tunnel Grounting at Middle IRE Gallery Cleaning Stability Concerns	Dates tbc May 23 - Jun 23 Dates tbc Nov 22 - Jan 23 Apr 22 - Feb 23	92.0% TBC TBC 93.0% 56.0%
Boothwood/Ryburn (incl WC)	96.1%	-0.9%	-0.6%			
(Gorpley)	75.3%	2.4%	-18.5%			
Huddersfield	99.2%	-0.1%	-0.8%			
Brownhill/Digley	94.6%	-2.1%	-0.5%			
Gorple Lower	95.2%	-1.8%	-3.0%			
Walshaw Dean Middle	97.0%	-3.0%	0.0%			
Walshaw Dean Lower	98.7%	-1.3%	0.0%			
Baitings	99.3%	-0.7%	0.0%			
Yateholme	53.6%	-3.8%	-3.0%			
Calder Area Total	97.0%	-0.8%	-1.1%			
Nidd/Barden/Chelker	82.3%	-3.4%	-3.8%	Spillway Improvements Spillway Improvements Spillway Improvements Drawdown Improvements Drawdown Improvements Spillway / Drawdown Improvements Spillway Improvements	Nov 22 - Jan 23 Jan 23 - Mar 23 Dates tbc Nov 22 - Feb 23 May 23 - Oct 23 Jun 20 - July 23 Dates tbc	40.0% 57.0% 53.0% 10.0% 53.0% 50.0% 87.0%
Grimwith	83.1%	-0.1%	0.2%			
Worth Valley	98.8%	-0.6%	-0.5%			
Barden Lower	49.1%	2.8%	-9.3%			
Barden Lower	49.1%	2.8%	-9.3%			
Barden Upper	23.3%	-16.8%	-9.1%			
Barden Upper	23.3%	-16.8%	-9.1%			
Gouthwaite	77.5%	-6.0%	-16.4%			
Silsden	34.6%	0.0%	0.7%			
Keighley Moor	95.7%	-1.9%	-2.5%			
North West Area Total	84.7%	-1.6%	-1.5%			
Washburn/Eccup Resrs.	96.8%	-0.4%	0.2%	Outlet Channel Repairs Bridge Repairs	Dates tbc Dates tbc	93.0% TBC
Thornton Steward	97.1%	1.4%	9.6%			
Leighton/Roundhill	98.6%	0.3%	-1.7%			
Haverah Park	100.0%	0.1%	12.8%			
Swinsty	90.1%	-5.3%	-4.6%			
Thruscross	100.0%	0.0%	0.0%			
North Area Total	96.9%	-0.2%	1.4%			
Don Valley & Winscar	82.8%	-0.2%	0.5%			
Rivelin Valley	82.5%	-8.7%	-8.9%			
Little Don	97.9%	-1.9%	-0.2%			
Ewden Valley	98.5%	-1.4%	-0.1%			
Loxley Valley	99.5%	-0.5%	0.0%			
Redmires	99.1%	0.0%	-0.9%			
South Area Total	98.0%	-1.5%	-0.5%			
Tophill Low	81.0%	-4.9%	0.6%			
Hull Aquifer	67.0%	-2.3%	-1.9%			
East Area Total	68.1%	-2.6%	-1.7%			
Regional Total (DCP) (inc East Area)	89.6%	-1.1%	-0.9%			
YORKSHIRE TOTAL (Supply) (not inc East Area)	92.5%	-1.0%	-0.8%			





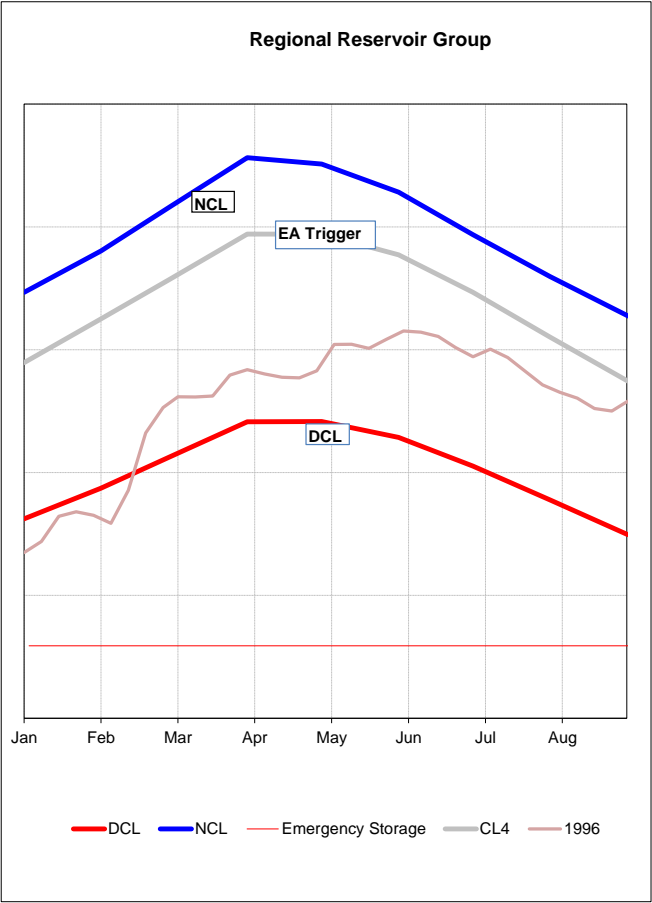
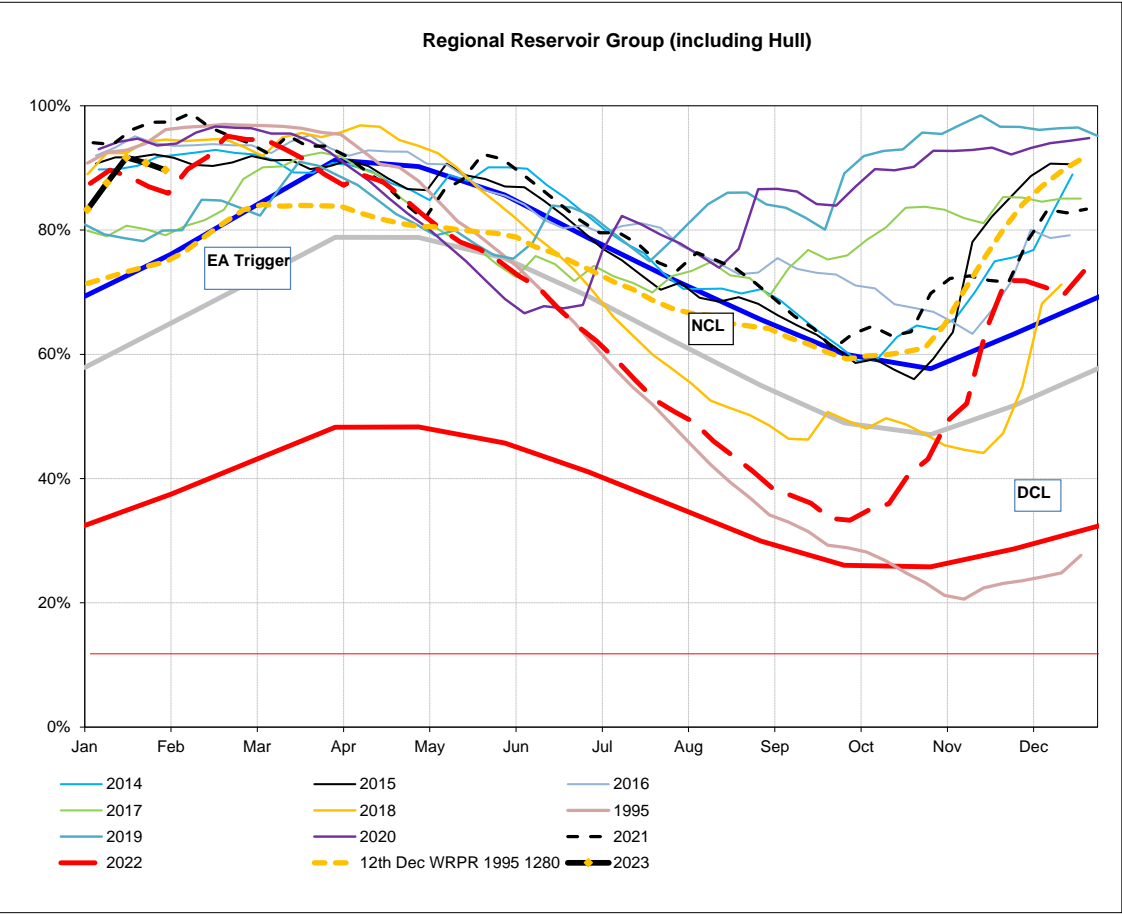


EA STOCKS REPORT

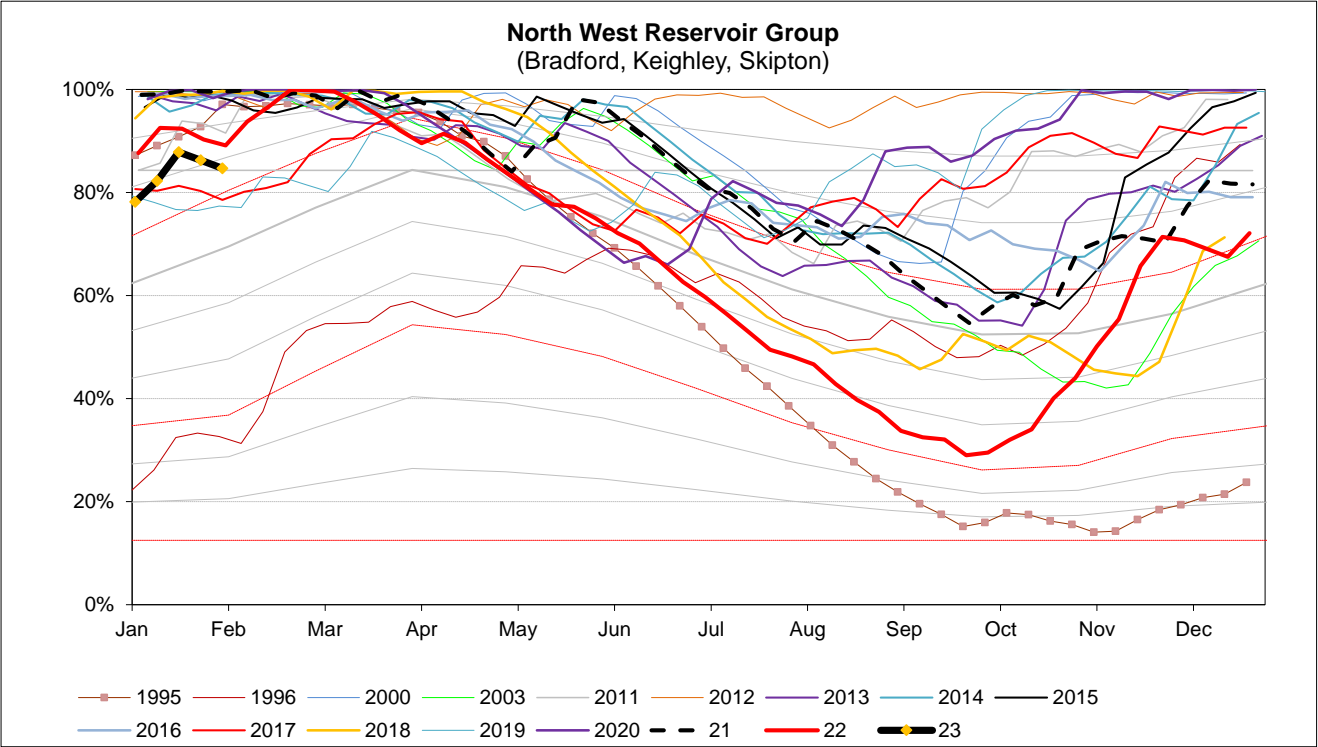
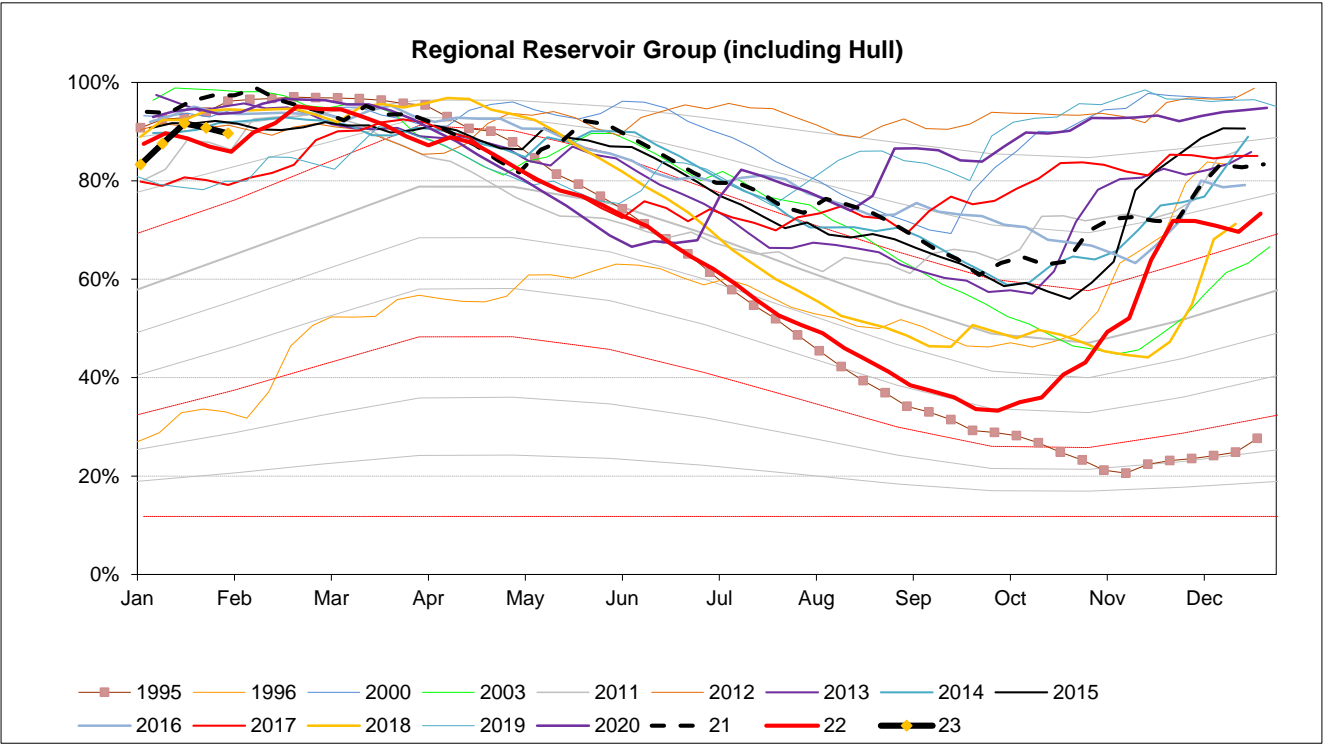
30 January 2023

EA Stocks Report

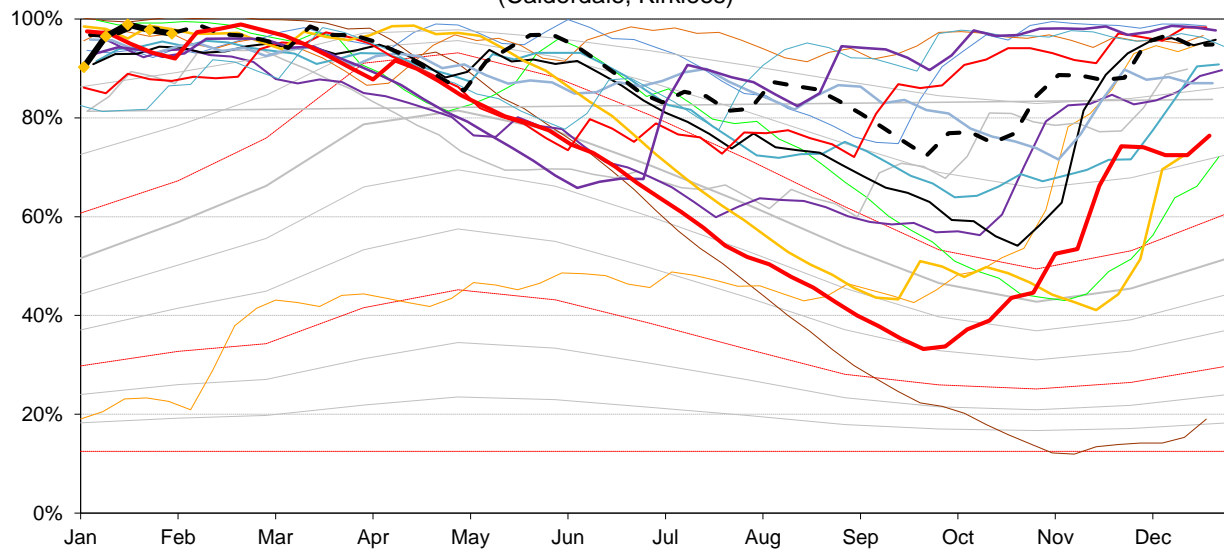
	30/01/2023						
	MI	%	% change		MI	%	% change
South West Area Supply Reservoirs				South Area Supply Reservoirs			
Calderdale Group	10771	96.7%	-1.0%	Don Valley	2011	96.7%	-2.5%
Huddersfield Group	14001	99.1%	-0.1%	Little Don	7215	97.9%	-1.9%
Brownhill/Digley excl Holmestyes	5316	94.7%	-1.8%	Ewden Valley	4865	98.5%	-1.4%
Boothwood/Ryburn	11229	95.9%	-1.0%	Loxley Valley	6843	99.5%	-0.5%
				Rivelin	672	82.5%	-8.7%
South West Reservoir Group	42740	97.0%	-0.8%	Redmires	2753	99.1%	0.0%
Bradford Area Supply Reservoirs				South Reservoir Group	24360	98.0%	-1.5%
Gouthwaite	4505	77.5%	-6.0%				
Grimwith	18079	83.1%	-0.1%	Winscar Group	7485	80%	0.2%
Nidd/Barden/Chelker	15775	82.3%	-3.4%				
Rombalds/Thornton Group	2130	95.4%	-2.5%	Compensation Reservoirs			
				Scout Dike	668	96.3%	-3.7%
Skipton Area Supply Reservoirs				Underbank	2867	100.0%	0.0%
Embsay	717	99.2%	-0.5%	Morehall	2134	98.2%	-1.8%
Worth Valley Group	3273	98.8%	-0.6%	Damflask	5025	98.4%	-1.6%
North West Reservoir Group	39975	84.7%	-1.6%	North Area Supply Reservoirs			
				Washburn	22618	96.8%	-0.4%
Compensation inc Silsden	1964	83.4%	-0.9%	Eccup	6717	95.8%	2.2%
Gouthwaite	4505	77.5%	-6.0%	Leighton/Roundhill	7299	98.6%	0.3%
March Ghyll & Elslack Reservoirs excluded for consistency with stocks predictions in WRAPSIM				Haverah Park	1002	100.0%	0.1%
				Lumley Moor	376	98.5%	-1.5%
				Thornton Steward	921	97.1%	1.4%
East Area Supply Reservoirs				North Reservoir Group	32216	96.9%	-0.2%
Tophill Low	1363	81.0%	-4.9%				
Hull Aquifer	12725	67.0%	-2.3%	Lindley Wood Compensation	2889	98.9%	9.5%
East Reservoir Group	14088	68.1%	-2.6%	Regional Reservoir Group	160863	89.6%	-1.1%
				(sum of South West, North West, East, South, North & Winscar Reservoirs)			



Triggers	
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.

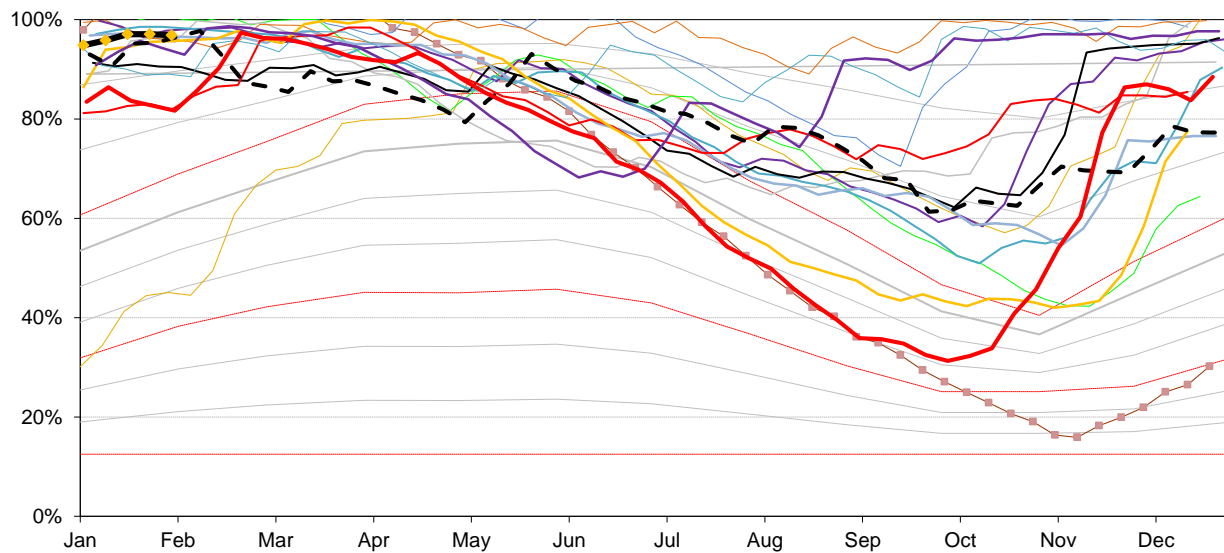


South West Reservoir Group (Calderdale, Kirklees)



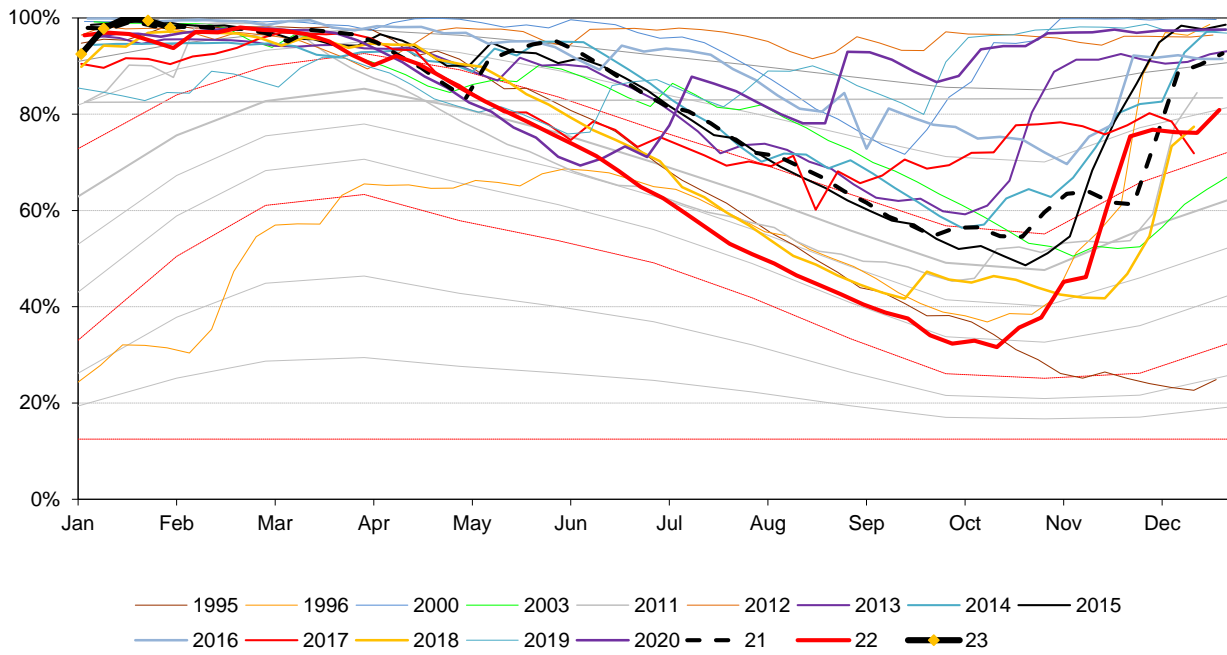
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 — 2016 — 2017 — 2018 — 2019 — 2020 - - 21 — 22 — 23

North Reservoir Group (Leeds, Harrogate)

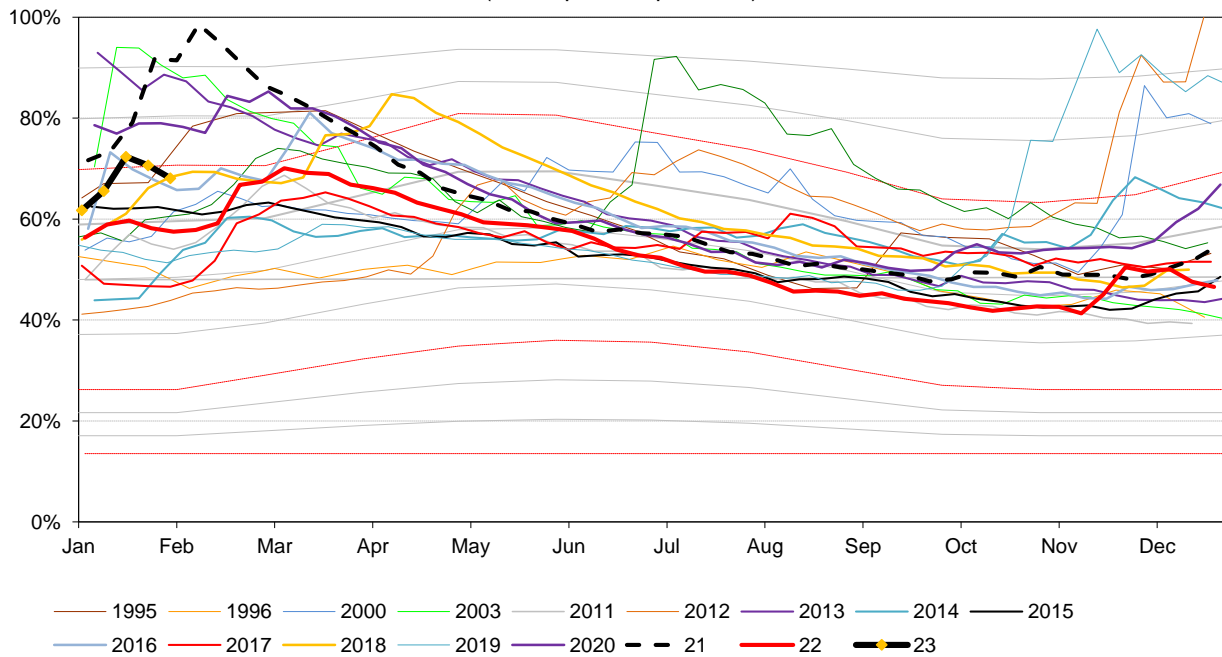


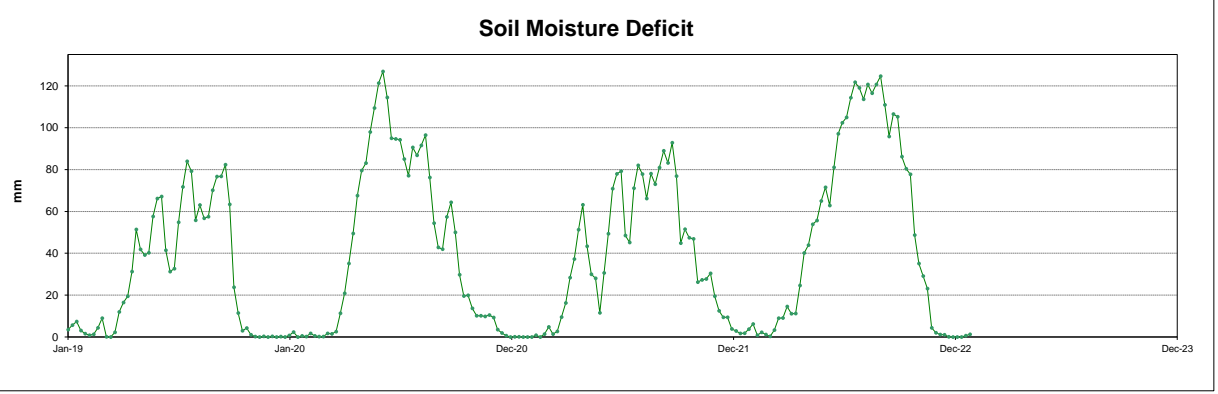
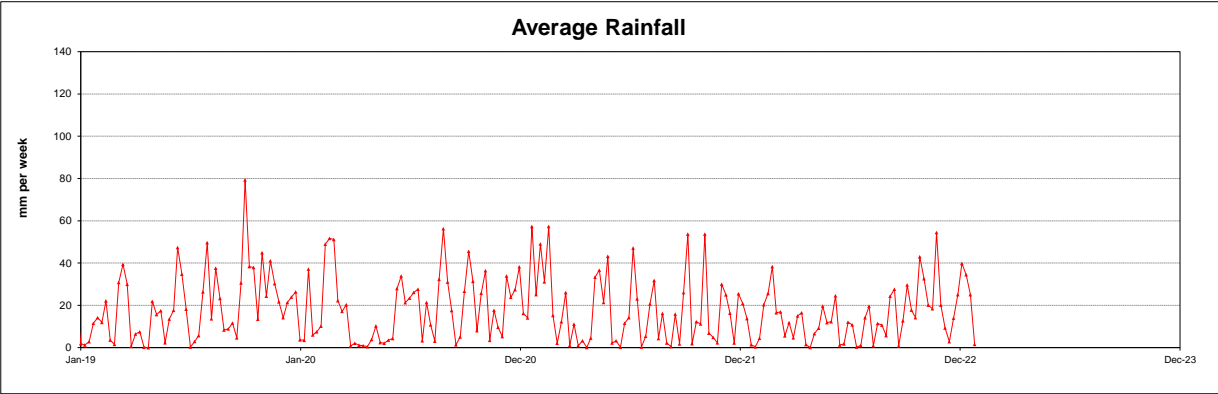
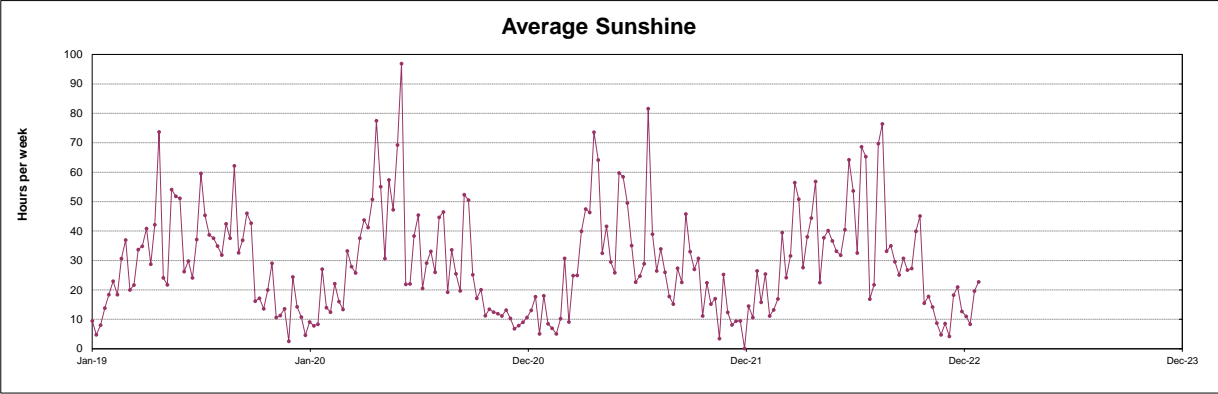
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 — 2016 — 2017 — 2018 — 2019 — 2020 - - 21 — 22 — 23

South Reservoir Group (Sheffield, Barnsley)



East Reservoir Group (Hull Aquifer, Tophill Low)





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	01-Jan-23 % of Annual Limit
02/27/023/332	Ainderby Steeple Boreholes	124	1029	1760	58%
03/28/083/010	Armthorpe Boreholes	241	1942	3319	59%
03/28/083/012	Austerfield Boreholes	310	2623	11615	23%
02/27/022/020	Aysgarth & Newbiggin Springs	15	147	341	43%
02/27/012/035	Baitings, Ryburn & Blackhouse reservoirs	275	3590	20457	18%
02/27/023/032	Bellerby Borehole and springs near Bellerby	27	580	1250	46%
02/27/022/209	Birk Gill & River Burn	904	3264	6400	51%
02/27/012/254	Boothwood Reservoir & associated catchwaters	336	3130	20457	15%
02/27/10/112	Boshaw Whams Reservoir	0	0	55	0%
03/28/083/105	Boston Park Boreholes	194	1748	3318	53%
02/27/024/305	Brayton Barff Boreholes	0	0	2250	0%
02/26/030/002	Bridlington	126	1185	2500	47%
02/27/005/031	Broomhead Reservoir	816	6623	12410	53%
02/26/030/004	Burton Agnes	78	683	1000	68%
02/27/018/080	Carlton Hanger Lane Boreholes	304	2527	3500	72%
02/27/018/079	Carlton Mill Lane Boreholes	158	1420	3800	37%
02/27/019/009	Carr Bottom Reservoir, Burley Woodhead	24	51	409	13%
02/27/023/340	Catterick Boreholes	208	2037	2920	70%
02/27/027/136	Cayton Carr Lane Boreholes	178	1517	3928	39%
02/27/027/163	Cayton Station Road Borehole	35	395	2646	15%
02/27/019/137	Chelker Reservoir	204	1136	5000	23%
02/27/023/031	Coalsgarth Springs	8	27	750	4%
02/27/011/064	Colne Valley Catchwaters	-230	2462	5840	42%
02/26/032/126	Cottingham Well	757	7120	18184	39%
02/27/018/081	Cowick Boreholes	373	3046	5250	58%
02/27/023/046	Cranehow & Downholme Springs	0	0	318	0%
02/27/023/030	Crumma, Newsham & Gandale Springs	90	633	1364	46%
02/27/005/030	Dale Dyke & Agden Reservoirs	1022	7523	12410	61%
02/27/012/261	Dean Head & Scammonden	-114	1213	3650	33%
02/27/19/121	Dib Spring, Hawkswick	0	0	27	0%
02/26/032/126	Dunswell Well	662	5467	16593	33%
NE/27/025/021	East Ness Boreholes	251	2340	5680	41%
02/26/031/087	Elmswell Wold Borehole	60	506	1273	40%
02/27/015/045	Embsay Reservoir	126	484	1846	26%
02/27/016/196	Esholt Sewage Treatment Works	0	0	88	0%
02/26/032/124	Etton Boreholes	213	1650	5100	32%
03/28/083/012	Finningley Boreholes	317	2695	6780	40%
02/27/022/328	Fossdale (High Shaw) Springs	7	51	227	23%
02/27/018/120	Goosehouse Boreholes	180	1867	3500	53%
02/27/012/043	Gorpley Reservoir	0	0	1823	0%
02/27/016/022	Graincliffe Reservoir & Morton Springs	163	-99	2728	-4%
02/27/012/037	Green Withens Ringstone Res & catchwater	555	3106	20457	15%
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	179	1755	3650	48%
02/26/030/003	Haisthorpe Boreholes	372	3437	5000	69%
03/28/083/012	Hatfield Boreholes	115	1552	3319	47%
03/28/083/100	Hatfield Woodhouse Boreholes	0	0	3320	0%
02/27/029/010	Hazel Head Springs	53	328	1162	28%
02/27/012/041	Hebden, Luddenden & Hebble Valley Resrs	1046	8181	15695	52%
02/27/018/077	Heck Boreholes	126	1078	2489	43%
03/28/083/012	Highfield Lane Boreholes	361	3396	11615	29%
02/27/023/685	Hollin Hill Borehole	0	19	45	43%
02/27/010/063	Holmestyes & Digley Reservoirs	148	1842	5840	32%
02/27/22/024	Horsehouse Spring, leyburn	0	0	33	0%
02/27/027/002	Howe Hill Well	77	695	1014	69%
02/26/031/006	Hutton Cranswick	40	362	796	45%
02/27/005/012	Ingbirchworth Reservoir & Annat Royd Intake	177	986	3637	27%
02/27/005/202	Ingbirchworth South Borehole	0	28	132	21%
02/27/027/058	Irton	475	4044	8215	49%
02/27/21/015	John O'Gaunts and Beaverdyke Reservoirs	0	0	1909	0%
02/27/014/010	Keighley Moor Reservoir	61	404	6951	6%
02/27/025/128	Keld Head Boreholes	167	1529	3319	46%
02/26/032/126	Keldgate Boreholes	224	2506	5819	43%

02/26/031/002	Kilham	14	134	1818	7%
02/27/005/032	Langsett Reservoir	1081	8291	17155	48%
02/27/022/210	Leighton Reservoir & Spruce Gill stream intake	94	2993	13184	23%
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	133	1117	6951	16%
02/27/005/011	Midhope Reservoir & Knoll Brook Intake	291	1653	17155	10%
02/26/034/006	North Newbald	0	0	1137	0%
03/28/083/012	Nutwell Boreholes	275	2351	4983	47%
02/27/019/006	Panorama, Hilltop & Old Reservoirs & Springs	0	121	1000	12%
02/27/018/078	Pollington Boreholes	289	2537	5000	51%
02/27/014/058	Ponden Reservoir	115	688	6951	10%
02/27/016/023	Reva Reservoir, Hawkesworth	269	545	1364	40%
02/27/005/029	Rivelin and Redmires Reservoirs	395	1010	8030	13%
02/27/028/017	River Derwent at Elvington	4181	45416	75000	61%
02/27/028/083	River Derwent at Loftsome Bridge	2548	22915	30400	75%
02/27/029/012	River Esk	287	2614	7823	33%
02/26/031/047	River Hull & West Beck	1415	11367	25000	45%
02/26/032/194	River Hull for Sewer Cleaning	0	0	91	0%
02/27/024/078	River Ouse at Acomb	898	7645	35000	22%
02/27/024/158	River Ouse at Moor Monkton	3138	27962	73000	38%
02/27/022/214	River Ure at Kilgram Bridge	227	4568	15000	30%
02/27/020/196	River Wharfe at Arthington	18	3819	19009	20%
02/27/019/129	River Wharfe at Lobwood	1581	18662	23742	79%
03/28/083/012	Rossington Bridge Boreholes	0	0	5172	0%
02/27/022/027	Roundhill and Lumley Moor Reservoirs	4	5	3500	0%
02/27/005/013	Royd Moor Reservoir & Intakes	124	1192	2955	40%
02/27/021/016	Scargill Reservoir	16	643	1932	33%
02/27/021/092	Scarhouse & Angram Resvrs with tunnel & catchwater	2953	23168	38164	61%
02/27/15/149	Silsden Beck, Stilling-Basin at foot of Silsden Reservoir Embankment	0	0	10	0%
02/26/032/126	Springhead Well	614	5731	13638	42%
02/27/022/021	Stalling Busk & Marsett Springs	0	0	33	0%
02/27/022/208	Stock Beck, Carlesmoor Beck & River Laver	176	364	3500	10%
02/27/023/684	Stubbing Nook Borehole	0	74	135	55%
03/28/083/012	Thornham Boreholes	313	2673	6213	43%
02/27/016/160	Thornton Moor & Stubden Reservoirs	284	945	6214	15%
02/27/012/038	Turvin Clough	423	1200	4014	30%
02/27/019/054	Upper & Lower Barden Reservoirs	804	6939	14223	49%
02/27/020/088	Washburn Valley Reservoirs	3254	19897	43800	45%
02/27/015/041	Watersheddles Reservoir	121	1052	6951	15%
02/27/016/021	Weecher Reservoir	31	105	909	12%
02/27/011/065	Wessenden Valley, Blackmoorfoot & Deerhill	959	4797	12410	39%
02/27/023/034	West Stonesdale (Garland Hill) Springs	0	0	282	0%
02/27/015/042	Whinney Gill & Jenny Gill Reservoirs	9	23	377	6%
02/27/005/026	Winscar, U & L Windleden, Harden & Snailsden	413	4534	10140	45%
02/27/012/036	Withens Clough Resr & Catchwater	232	1118	3319	34%
02/27/010/011	Yateholme, Riding Wood, Ramsden & Brownhill	468	2435	6820	36%

	Last calendar month MI	Year to date MI	Annual Limit	% of Annual Limit
Licences with Aggregated Annual Quantities				
Baitings, Ryburn, Boothwood, Green Withens	1166	9825	20457	48%
Langsett, Midhope	1372	9944	17155	58%
Worth Valley	431	3261	6951	47%
River Derwent (Elvington, Loftsome)	6729	68331	94841	72%
Cayton, Irton	688	5956	10700	56%
Selby Boreholes	1430	12476	25283	49%
Doncaster Wellfield	2127	18982	30295	63%
Doncaster Sub Group	1691	15292	26049	59%
Austerfield & Highfield Lane	671	6020	9956	60%
Hull Groundwater Sources	2257	20824	32850	63%

Third Party Agreements (Calendar Year)

	Last calendar month MI	Year to date MI	Annual Limit	% of Annual Limit
Units in MI				
Run date				
01-Jan-23				
Source				
CRT, Hudds Narrow Canal	18	1087	1273	85%
Severn Trent Ladybower Reservoir	1113	15819	21550	73%

	Year to date MI	Annual Limit	% of Annual Limit
Last Reading date			
16-Jan-23			
Winscar To Langsett Transfer Usage	1698	2482	68%