2023 Environment Statistics Report

Physical Conditions

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ACRONYMS

BOD	Bio Chemical Oxygen Demand
COD	Chemical Oxygen Demand
CU	Copper
Fe	Iron
mg	milligrams
Ni	Nickel
NO_3	Nitrogen ion
pH	Potential of Hydrogen
PO_4	Phosphate ion
SO4	Sulphur Dioxide
ZIMSTAT	Zimbabwe National Statistics Agency
ZINWA	Zimbabwe National Water Authority
Zn	Zinc

Executive Summary

The use of administrative data in this report provides a comprehensive and reliable picture of the environmental physical conditions in Zimbabwe. These findings have important implications for a variety of sectors, including agriculture and tourism, as they can affect crop yields and outdoor activities. Understanding these environmental physical conditions is crucial for effective decision-making and planning in a range of contexts.

Zimbabwe's climate has been changing since the 1900s, according to meteorological observations. Notable changes include an increase in average temperatures, decrease in annual precipitation, change in spatial extent of the country's Agro-Ecological Zones, change in the onset and cessation dates of the rainy season and an increase in the duration of the mid-season dry spell. During the period, 1990-2023, Zimbabwe's climate has been gradually changing depicting less seasonal average rainfall

The mean minimum temperatures range from 5.6ºC in June and July to 18.7ºC in December and January. The mean maximum temperatures range from 21.3ºC in June and July to 30.6ºC in December and January. Humidity drops to the low of 37.3% in September 2018 and rises above 85.9% in January 1997, during the wet season. Mean atmospheric pressure ranges from 860.6 bars in January 2021 to 909.4 bars in August 2009. The mean radiation is lowest in June and July (around 16 MJ/m^2) in June 2000 and it rises above 27.6 MJ/m^2 in October 2018.

Ambient water quality (AWQ) monitoring is carried out on a monthly basis in Zimbabwe with 346 Ambient water quality monitoring points distributed across the seven catchment areas, which are, Gwayi, Mazowe, Runde, Sanyati, Save, Manyame, Mzingwane. Physical water quality parameters include eight principle indicators that are; electrical conductivity salinity total dissolved solids, turbidity, temperature, colour, taste and odour.

Seasonal Precipitation trends

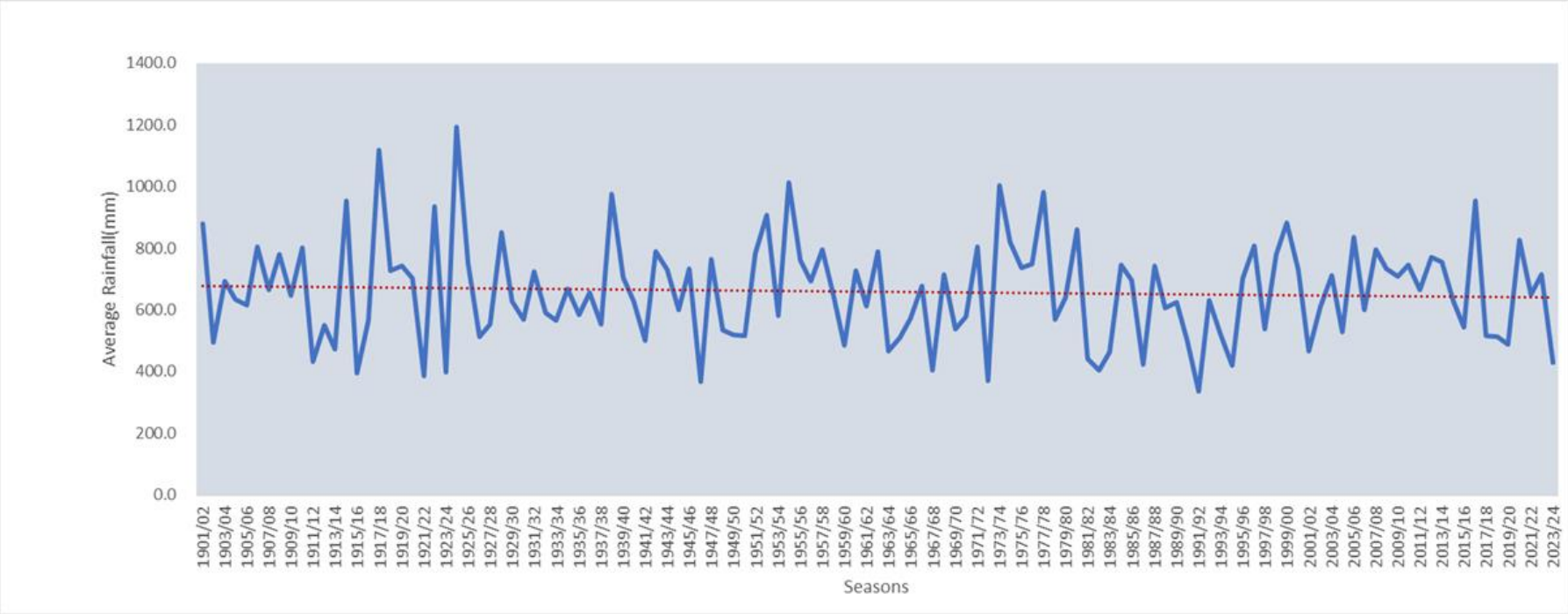

Figure ***Error! No text of specified style in document.****..1: Seasonal Precipitation Trends*

Source: METERIOLOGICAL SERVICES DEPARTMENT

Rainfall

Table 1.1: Monthly National Rainfall (mm)

Season	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
1980	97.3	132	71	24.7	2.4	0.2	1	1.9	28.3	33.4	110.4	159.6
1981	226.3	251.5	80.5	41.9	11.2	0.2	1.7	3.6	7.7	34.7	110.3	90.2
1982	137.3	130.1	23.8	24.1	10.5	2	4.2	2	5.3	74	46.9	72.5
1983	77.4	87.5	54.1	17.1	17.3	3.9	21.1	7.7	0.1	27.7	60.5	117.1
1984	75.2	97	125.3	16.9	13.5	4.7	6.2	1.5	16.6	34.9	95.2	155.5
1985	268.5	159.7	116.2	10.6	11.7	4	4.9	2.3	12.1	28	48.1	206.5
1986	225.3	113	81.6	115.9	5.2	0.8	2.2	0	2.9	60.4	60	154.1
1987	125.2	54	50.5	5.4	4	1.9	0	1.9	13.3	28.2	53.9	238.9
1988	141.4	186.3	169.6	45.3	8.8	23.3	3.1	2.5	1.4	65.1	58.2	110.1
1989	155.4	267.6	58.6	31.9	3.2	4.5	0.9	13.3	2.7	44.7	73.9	115.2
1990	235.8	150	28.4	49.1	5.2	3.9	0.4	3.9	3.6	10.5	63.1	125.3
1991	125.4	123.7	116	2.1	5.6	0.5	0.6	0.9	7.6	17.7	64.1	93.7
1992	88.4	18.9	73.5	18.1	1.7	2.9	1.4	0.6	0.2	15.6	71.2	204.8
1993	133.1	191.7	64	31.6	0.9	3.8	13.2	4.6	7.1	12.9	153.3	113.2
1994	170	84.2	21.9	12.7	3.2	0.5	1	1.7	4.1	59.4	21.8	149.4
1995	94.6	83.3	43.5	12.6	12.3	1.2	3.1	4.2	1.2	28	70.1	154.4
1996	291.9	166.8	53.6	14.6	54.6	7.6	10.3	2.4	4.4	4.7	117.2	141.2
1997	314	184.5	119.3	76	4.1	0.9	7.5	0.1	44.1	24.3	93.2	70.2
1998	282.2	71.2	84.9	6.6	0.5	1.1	3.6	1.5	2.6	16.1	108.4	218.8
1999	243.9	199	94.1	14.9	2.4	1	5.1	9.1	6.2	29.9	113.5	113.1
2000	208.2	324.1	154	45.3	43.1	28.9	5.5	1.1	2.6	22.5	117.4	136.7
2001	88.4	321.8	172.2	20.2	3.7	4.7	13	0.6	8.6	17.2	127.8	208.3
2002	73	39.6	38.4	90.7	3.1	18.3	4.2	5.6	8.7	97.2	81.1	94.1
2003	108.8	140.6	244.8	7.9	11.9	25.2	1	0.3	9.2	78.5	64.7	96.7
2004	164.1	143.6	154.8	46.6	3.3	3.5	3.5	2.4	12.5	65.3	44.1	202.4
2005	135.8	62.3	53.8	13.9	2.4	4.9	5	0.2	1.6	3.7	83.9	258.5
2006	212	176.1	142	17.7	6.9	4.2	0.9	1.6	0.5	25.9	102	120
2007	143.2	122.5	55.6	41.6	0.4	5.3	1.2	2.4	12	23.6	107.8	372.6
2008	274.4	49.9	40.4	14.3	4.1	1.5	1.9	1.9	8.2	12.7	113.2	203.9
2009	168.3	138.8	105.3	8.8	39.3	6.1	1.5	0	3	68.8	128.4	141.2
2010	139.9	169.8	87.9	68.9	22.2	2.4	3.3	1.0	1.0	14.0	114.7	198.3
2011	303.6	60.7	67.5	50.7	4.6	3.2	7.5	1.1	2.4	31.0	94.9	202.7
2012	122.4	112.6	94.7	26.3	2.0	0.7	0.0	0.3	3.9	33.7	42.9	146.9
2013	292.0	114.0	63.2	29.9	6.5	1.7	1.9	1.2	8.6	25.8	77.3	185.4
2014	244.1	182.2	81.8	45.0	3.7	0.9	2.3	0.4	3.5	10.0	60.5	246.4
2015	140.1	90.9	77.8	78.0	2.2	0.8	1.1	0.1	5.2	3.0	85.7	94.2
2016	71.3	72.9	151.3	46.2	1.7	1.8	0.5	0.1	1.2	7.1	76.0	198.4
2017	345.2	209.6	104.9	27.9	6.7	2.5	0.0	0.0	0.0	26.3	106.0	99.3
2018	62.3	299.7	114.1	27.9	0.1	0.0	0.0	0.0	0.0	0.1	56.8	123.5
2019	121.9	128.5	92.6	3.3	0.0	0.0	0.1	0.3	1.6	3.8	74.7	78.5
2020	139.0	179.1	34.6	10.6	0.0	0.0	0.4	1.2	3.7	27.0	55.4	261.6
2021	251.2	180.2	21.6	0.0	0.0	0.0	0.4	0.6	0.0	0.4	66.4	109.5
2022	292.1	58.0	75.2	65.7	0.0	0.0	0.0	0.0	0.0	0.0	151.2	101.8
2023	196	192.6	26.9	18.0	0.5	0.0	0.7	3.9	5.5	52.9	19.2	184.71

Source: Zimbabwe Meteorological Services Department

Table 1.2: Rainfall Meteorological Region 1 (mm)

Season	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
1980	122.5	130.1	110.7	39.9	3.4	0.2	1.6	2	34.1	52.3	105.1	225.4
1981	238.6	349.1	99.9	59.4	3.7	0.3	1.8	0.3	6.4	41.3	117	114
1982	165.2	159.4	19.3	22.4	9.5	1.4	1.2	0	2.1	62.6	35.5	78.3
1983	90.2	68.2	45.6	5.7	10.6	3.7	15.4	5.9	0	20.6	55	156.4
1984	89.9	120.2	124.9	17.3	14.3	4.6	2.6	0.3	13.1	25	77.1	171
1985	261.8	153.7	146.8	9.8	6.8	0.6	5.3	0.6	2.9	25.3	47.6	229.2
1986	247.5	145.8	85.7	89.9	5	0.2	2.4	0	1.1	62.1	61	177.1
1987	137.5	62.8	65.4	3.4	8.4	2.6	0	2.3	3.8	21.4	41.2	197.7
1988	198.1	176.5	159.3	57.7	7	20.8	4.8	0.4	1	66.3	54.8	137.9
1989	203.8	297.4	64.6	18.7	4.5	3	0.4	12	0.6	40.7	64.8	133.9
1990	249.5	195.8	54.2	56.5	4.1	3.4	0.1	4.6	1.4	12.6	87.6	150.6
1991	138.8	148.4	93.9	1.9	3.6	0.2	0.1	0.9	7.6	34	68.1	115.6
1992	97.9	22.6	90.3	24.8	2.2	3.5	1.7	0.4	0.1	4.8	66.8	201.3
1993	157.7	220.4	88	44.8	0.2	3.6	4.9	4.8	3.4	23.2	120.1	125.6
1994	220.5	103.5	31	22.9	1.3	0.2	0.4	1.8	3.1	76.7	22.4	159.9
1995	123	71.8	23.1	12.3	3	1.1	1.5	6.6	0.6	46.1	60.9	168.6
1996	282.8	163.9	65.7	13.8	78.7	6	3.2	0.6	5.9	3.6	100.6	174.2
1997	363	233.5	92.9	84.7	3.4	2.2	6.3	0	48.2	24.6	117.3	86.3
1998	294.7	109	114.9	2.5	0	1	2.4	0	0.8	12.5	108.9	260.5
1999	329.1	236.5	104.4	13.4	0.8	0.3	2.7	11.7	4.4	39.6	87	134.3
2000	180.5	225.9	177.9	59.1	73.1	16.9	2.3	1.6	1	27.3	122.7	164.6
2001	114.1	331.6	190.5	17.4	1.6	2.9	10.8	0.3	2	13.1	111.8	251
2002	102.6	49.7	56.3	86.7	0	17.4	6.6	6.9	10.4	94.8	89.4	103.3
2003	154.8	210.8	233.7	5.8	11.1	9.9	0	0	11.1	44.8	69.6	117.5
2004	131.1	180.4	132.1	37.3	0	0.2	1	4.6	34.9	71.3	64.5	241.5
2005	147.7	76.6	51.5	14.5	3.1	5	6.8	0	3.5	1.8	93.6	261.4
2006	219.7	158.1	146.8	6.9	4.5	2.5	0.1	0.3	1.1	35.2	93.5	124.5
2007	209.4	108.4	64.1	40.8	0.1	3.5	1.4	2.4	7.2	23.8	117.5	395.9
2008	266.8	59.7	58.3	5.8	1.1	1.7	1.5	0.7	1.5	30	115.1	201.4
2010	155.2	189.5	86.1	65.3	21.2	2.8	4.5	1.5	1.4	15.6	122.4	210.2
2011	323.8	75.0	79.5	53.6	4.0	2.6	7.8	1.3	3.4	35.6	99.4	225.2
2012	151.3	131.5	109.2	33.8	3.0	1.1	0.0	0.2	4.3	33.0	47.0	163.7
2013	314.6	132.0	81.2	30.8	9.4	2.7	2.8	1.5	10.2	27.7	90.5	193.7
2014	252.9	205.8	66.6	55.3	4.2	1.4	3.6	0.5	4.5	10.8	53.7	273.4
2015	165.1	102.5	82.0	88.4	2.5	1.3	1.8	0.1	3.9	3.0	88.1	116.2
2016	76.6	71.4	162.3	59.4	2.0	2.9	0.7	0.1	0.1	6.2	93.9	220.3
2017	374.5	206.8	128.7	28.0	6.8	3.9	0.0	0.0	0.0	20.7	107.4	106.4
2018	67.4	322.5	134.2	30.8	0.2	0.0	0.0	0.0	0.0	0.1	69.8	122.1
2019	144.7	133.6	124.8	3.4	0.0	0.0	0.0	0.5	1.7	4.5	83.0	89.0
2020	153.3	194.6	36.4	11.8	0.0	0.0	0.4	0.6	1.5	30.8	52.9	274.1
2021	272.4	191.8	28.6	0.0	0.0	0.0	0.4	0.6	0.0	0.4	68.7	107.0
2022	339.0	59.1	85.1	68.8	0.0	0.0	0.0	0.0	0.0	0.0	165.2	111.7
2023	240.3	184.4	39.0	16.2	0.3	0.1	1.0	5.5	4.7	61.9	20.2	226.5

Source: Meteorological Services Department

Table 1.3: Rainfall Meteorology Region 2 (mm)

Season	January	February	March	April	May	June	July	August	Sept	Oct	Nov	Dec
1980	56.1	130.1	26.9	10.5	0	0	0.1	0.2	7.7	12.9	144.9	81.8
1981	260.7	196.5	102.1	28.1	4	0.1	0	0.4	0.1	20.5	97.1	35.9
1982	43.4	18.6	24	16.4	2.3	0.3	2.1	0.8	1.2	68.2	56.5	47.9
1983	115	43.5	27.9	35.2	6.1	0.9	4.5	2	0	13.6	63	74.4
1984	34.6	50.3	67.4	11.4	0.1	3.1	8.6	0	23.9	55	80.3	91.4
1985	152.5	80.3	20	11.1	4.9	0.3	0.3	0	1.2	27	25.2	180
1986	106.6	56.3	49.9	144.5	0	0	0	0	2.7	64.6	97.9	115.2
1987	82.8	50	32.8	0	0.1	0	0	0	1.5	13.5	69.8	256.2
1988	65.9	265.1	179.9	27.3	1.2	17.9	3.9	1.1	0	44.3	42	84.6
1989	136.3	232.1	34.3	37.7	0.1	0.8	0	0.1	0	39.6	97	66.6
1990	150.4	112.6	16.2	37.6	9	0	0	0	0	16	20.1	106
1991	143.4	90	157.7	0	0	0	0	0	0.1	13.7	68.4	135.8
1992	82.3	23.2	73.7	6.6	0.3	0	0	0	0.4	27.7	74.3	178.1
1993	104	153.6	56.4	18.4	3	0.4	3.7	0	18.3	6.3	179.3	98.4
1994	118	75.7	7.7	1.3	4.6	0	0	0	0	41.3	29.9	82.9
1995	69.1	62.2	49.7	15.5	13.9	0	0	0	2.1	14.2	81.6	152.9
1996	247.6	146.2	36.8	5.7	40.2	0	4.2	0	2.3	4.6	130.1	119.1
1997	246.1	87.5	137.8	57.3	3.2	0	0.3	0	43.9	24.5	72.9	78.7
1998	270.8	35.9	50.6	4.6	0	0	0	0	0.8	3.8	80.6	160.3
1999	153.8	86.7	47.5	0.8	0	0	0.2	2.1	7.8	21.1	122.2	95.6
2000	219.8	266.4	164.8	27.4	11.1	31.7	0.5	0	0.3	8.4	115.9	105.4
2001	59.7	294.2	107.9	15.3	3.4	0.5	1.5	0	13.4	26.3	117.5	132.5
2002	55	27.2	20.3	94.1	6.9	5.3	1.3	0	9.9	94.7	32	131.7
2003	47.9	111.4	67.6	13.2	2.9	8.8	0	0	2.3	83	50.9	91.9
2004	179	173	142.9	38.6	0	0	0	0	0.1	16.6	30	152.4
2005	105.2	33	66.8	10.3	4.4	0	0	0	0	0.9	92.8	249.2
2006	229.4	189	90.8	20.6	3	1.2	0	0	0.5	18.8	115.5	120.7
2007	72.5	70.6	71.4	38.1	1.6	9.8	0.1	0	5.9	32.6	76.4	267.3
2008	301.3	56.9	40.8	19.6	6.1	0	0	0	0	2.8	134.2	182.1
2009	162.2	113.7	77.5	0.2	24.4	18	0	0	8.6	197.7	127.4	156.3
2010	150.6	123.2	122.6	71.6	20.2	0.4	0.0	0.0	0.2	15.5	100.5	158.1
2011	231.9	57.1	60.6	57.0	7.7	2.3	1.0	0.0	0.0	21.8	82.3	136.1
2012	79.7	78.3	59.9	14.0	0.1	0.0	0.0	0.0	0.0	28.5	43.6	122.0
2013	230.9	76.2	28.5	14.2	0.3	0.0	0.3	0.0	2.1	18.6	60.2	176.9
2014	229.8	124.1	84.7	28.7	1.0	0.0	0.0	0.0	0.0	7.7	68.3	177.0
2015	95.0	69.1	58.1	53.6	0.2	0.0	0.0	0.0	6.1	2.6	72.9	49.5
2016	58.6	98.7	133.5	16.6	1.5	0.0	0.0	0.0	0.6	10.2	38.7	134.0
2017	280.4	228.6	58.5	17.1	1.3	0.0	0.0	0.0	0.0	25.5	102.3	99.2
2018	38.9	228.8	94.8	21.9	0.0	0.0	0.0	0.0	0.0	0.1	32.5	108.8
2019	85.8	103.5	1.7	5.2	0.0	0.0	0.0	0.0	0.1	1.4	61.7	70.7
2020	92.5	137.7	40.2	5.3	0.0	0.0	0.3	1.4	6.4	26.0	54.7	269.6
2021	201.0	144.9	12.9	0.0	0.0	0.0	0.3	1.1	0.0	0.0	43.4	82.4
2022	188.9	82.3	68.2	43.1	0.0	0.0	0.0	0.0	0.0	0.0	87.6	76.6
2023	167.6	177.9	0.9	7.4	0.1	0.0	0.1	1.3	7.2	31.2	20.2	114.1

Source: Meteorological Services Department

Table 1.4: Rainfall Meteorology Region 3 (mm)

Season	January	February	March	April	May	June	July	August	Sept	Oct	Nov	Dec
1980	89.8	167.5	26.8	9.7	3.4	0.3	1.2	4.1	39.2	25.7	110.3	135.8
1981	230.5	202.6	49	33	28.8	0.3	0.3	10	11.1	32.8	123.9	32.2
1982	101.1	55.7	7	22.3	10.2	0.3	2.6	2.6	5.3	73	33.5	46.3
1983	22	65.1	35.5	14.4	16.6	2.3	22.8	9	0.1	40.1	58.8	89.5
1984	52.7	67.1	115.1	7.5	7.7	2.6	6.5	0.7	21.4	49.3	120.2	129.7
1985	262.8	123.8	42.2	1.5	18	5	3.7	1.1	28.1	28.2	38.3	161.6
1986	131.9	80.2	51.6	117.9	6	1.1	0.6	0	2.4	49.4	35.6	99.1
1987	77.7	41.4	27.6	3.5	0.7	0.5	0	0.7	28.9	33.6	56.3	253.4
1988	78.8	141.1	115.8	30.1	10.4	33.3	1	4.6	0.6	49	54.5	68.5
1989	37.1	176.3	31.4	41.6	0.4	7.4	0.2	23.5	2.2	51.7	68.1	78.3
1990	231.5	61.8	1.3	40.3	1.6	1.2	0.1	1.9	7.1	5.4	40	87.4
1991	86.7	106.1	96.6	2.1	8.7	0.8	0.3	0.2	3	7.6	36.2	30.2
1992	61.6	11.4	40.2	5.4	1.7	2.7	0.7	0.2	0.2	26.6	66.2	244.5
1993	97.8	166.9	12.1	16.4	0.5	4.5	29.7	4.2	0.2	6.8	159.2	109.3
1994	95.8	42.1	12.5	7	6	0	2.2	2.6	3.9	57.5	16.2	158.3
1995	70.7	107.1	61.3	11	18.2	0.7	3.9	1.5	0.7	12	65.2	100.5
1996	325.6	147	29.9	15.6	25.1	6.3	18.6	3.7	4.4	1.9	134.5	107.7
1997	233.8	140.4	113.9	76.4	5.5	0.2	7	0.3	28.9	14.9	76.8	40.3
1998	219	19.2	43	6.3	0.7	0.2	3.5	2.6	1	22.6	133.3	193.9
1999	141.4	188.7	96.1	13.7	2.1	2.4	7	6.6	9.8	27	134.6	105.5
2000	238.4	454.7	107.6	25.1	27.5	39.1	11.3	0.3	2.8	21.2	95.4	106.4
2001	34.6	251.8	138.2	14.3	3	5.7	23.1	0.2	11.7	20.3	173.3	218.1
2002	28.2	17	11.4	91.2	0.2	12.7	0.2	1.9	12	40	92.5	36
2003	85.4	70.6	255.9	3	7.7	58.7	2.5	0.7	9.8	135.4	59.6	62.4
2004	173.1	86.2	135.7	56	1.1	2.7	8.6	0.1	4.4	64.8	10.5	189.5
2005	121.4	63.8	35.6	7.1	2	1	8.4	0	0.1	2.5	52.7	293.5
2006	149.8	117.6	136.2	24.2	3.4	5.4	0.3	0.2	0	16.1	114.4	96.5
2007	52.3	107.6	37.5	47.1	0	2.1	0.8	2	21.5	13.7	100.6	429.8
2008	201	15.2	20.1	1.1	0.8	0.8	0	2.2	0.9	3	94.5	165.4
2009	177.8	117.3	60.7	6.2	24.5	1.8	0.7	0	3.1	21.3	114	76.1
2010	44.04	127.11	49.24	82.29	26.92	2.89	1.71	0.24	0.27	6.84	89.57	150.8
2011	281.41	7.6	22.79	28	3.27	5.94	12.66	1.19	1.37	16.75	91.49	165.22
2012	55.01	77.08	52.68	9.28	0.47	0.13	0	0.35	5.39	38.09	21.42	89.23
2013	236.16	58.75	34.62	38.13	3.4	0.36	0.72	1.56	9.19	25.16	50.21	162.77
2014	172.27	135.97	126.17	25.31	4.42	0.01	0.34	0.63	3.05	8.75	74.2	217.92
2015	48.02	43.09	67.08	54.61	2.32	0	0	0	8.99	3.09	75.89	52.48
2016	59.74	46.86	119.21	25.85	0.49	0	0.21	0	6.26	6.67	45.62	158.34
2017	259.24	189.79	57.71	35.86	12.71	0.2	0	0	0	46.42	91.01	54.05
2018	57.21	257.46	61.24	15.71	0	0	0	0	0	0	32.26	116.28
2019	71.92	135.81	60.93	0.02	0	0	0.34	0	2.88	3.28	54.33	41.01
2020	119.18	131.17	18.66	9.83	0	0	0.53	2.43	7.31	17.28	68.39	194.82
2021	191.73	159.86	1.65	0	0	0	0.41	0.1	0	1.24	73.53	141.67
2022	167.8	26.6	32.7	63.7	0.0	0.0	0.0	0.0	0.0	0.0	102.2	72.5
2023	118.6	224.9	13.43	12.6	1.5	0.0	0.5	1.1	9.8	45.8	15.8	158.9

Source: Meteorological Services Department

Temperature

Table 1.5: Mean Minimum Annual Temperatures (^{0}C)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1979	16.1	16.7	15.7	12.4	9.6	7.1	6.5	9.3	13.2	16.2	16.6	16.3
1980	16.6	17.7	15.6	13.5	9.1	5.7	5.6	8.6	12.8	14.6	17.3	17.3
1981	18.0	17.7	15.8	12.5	9.3	5.6	6.0	8.6	11.5	13.6	16.7	16.4
1982	17.3	16.7	15.3	13.9	9.3	7.3	7.6	8.7	11.8	14.6	16.9	17.5
1983	18.4	17.4	16.9	14.7	12.1	9.0	8.2	8.0	13.0	15.1	17.9	17.4
1984	16.9	16.8	16.6	13.7	11.4	8.1	8.6	8.8	13.6	16.5	16.5	17.1
1985	17.7	16.6	16.5	12.8	10.0	6.9	7.6	8.7	12.9	14.8	15.8	17.3
1986	17.0	16.6	15.7	14.6	9.6	6.5	6.4	8.5	11.9	15.4	16.2	16.8
1987	17.1	17.2	16.6	13.9	11.8	7.1	6.3	10.2	14.3	14.5	17.9	18.7
1988	17.8	17.6	16.9	15.4	10.4	8.1	7.5	8.9	12.3	15.8	15.3	16.5
1989	17.2	17.5	16.0	13.7	10.4	8.8	7.6	10.1	12.8	15.0	16.9	17.5
1990	17.8	16.9	15.9	14.8	11.3	9.5	8.2	9.1	11.7	16.1	16.6	17.8
1991	18.0	18.0	16.8	12.3	10.4	7.7	7.4	9.2	14.1	15.7	17.0	17.2
1992	17.9	18.0	17.9	15.0	11.5	8.5	7.8	9.1	13.7	17.4	17.6	18.1
1993	17.4	17.8	16.0	15.0	11.5	7.9	9.3	9.3	12.5	16.6	17.1	17.5
1994	17.2	16.2	15.0	13.3	9.7	7.3	6.0	8.6	12.3	14.4	17.7	17.3
1995	17.6	17.2	16.2	14.1	12.4	7.0	7.9	11.1	13.2	18.0	17.7	17.3
1996	17.8	17.3	15.5	12.5	11.4	7.6	6.4	10.0	13.5	16.0	17.8	17.7
1997	18.2	16.8	16.8	13.5	9.0	8.7	8.0	8.9	14.2	14.8	17.8	17.6
1998	18.7	17.7	17.4	13.8	9.6	6.9	7.6	9.9	13.1	16.6	17.9	17.7
1999	17.7	17.3	16.6	13.8	10.2	7.8	8.4	9.7	12.2	14.4	16.9	16.9
2000	17.3	17.9	17.3	14.0	10.3	9.5	7.2	8.2	12.8	15.0	16.2	16.9
2001	16.7	17.9	16.9	14.2	10.3	7.6	6.6	10.2	13.1	14.9	17.7	17.8
2002	16.9	16.9	16.1	13.6	9.4	7.5	7.5	9.9	12.6	15.6	16.1	17.3
2003	17.2	17.8	15.4	13.7	9.6	8.5	6.5	8.8	12.3	15.5	16.5	16.5
2004	17.1	16.5	15.8	13.1	8.7	7.5	7.7	9.7	12.2	15.0	16.7	17.5
2005	17.8	17.1	16.1	13.6	9.9	8.4	6.9	10.5	12.6	15.5	17.8	17.1
2006	18.3	18.2	16.6	13.9	10.5	8.1	7.1	9.4	11.8	17.1	17.6	18.7
2007	17.8	17.9	16.4	14.0	9.2	8.0	6.9	9.0	12.5	16.3	17.3	17.5
2008	17.7	15.5	14.7	11.1	9.8	7.1	7.8	9.4	12.6	16.0	17.8	17.6
2009	17.8	16.6	15.4	11.8	10.1	7.9	7.3	8.8	13.9	16.3	16.9	18.2
2010	18.3	18.2	16.8	15.8	12.1	7.7	8.6	8.1	12.7	16.6	18.2	17.8
2011	17.8	16.1	16.1	14.4	10.3	7.5	6.6	8.1	12.4	16.4	18.1	17.3
2012	17.1	17.4	16.3	12.1	9.5	7.5	6.3	9.8	14.4	16.6	16.9	18.0
2013	18.0	16.9	15.8	12.6	9.0	7.2	7.1	10.4	14.0	15.1	17.8	17.9
2014	17.7	17.7	16.7	13.8	10.0	7.6	7.4	9.3	12.6	15.2	17.7	18.1
2015	17.1	17.0	15.7	14.6	10.0	7.5	8.2	9.6	13.5	16.7	17.3	18.6
2016	18.1	18.4	18.1	14.0	9.8	7.8	7.9	9.1	14.2	17.0	18.3	18.4
2017	18.3	18.2	15.9	13.5	10.6	8.6	7.8	9.2	12.8	16.4	16.4	17.4
2018	16.8	17.9	16.6	13.9	11.4	7.3	8.2	10.6	14.1	14.3	16.9	17.9
2019	18.1	17.3	16.4	14.5	9.7	7.8	6.8	11.0	11.8	17.0	18.6	18.1
2020	18.0	17.5	15.9	14.3	9.9	8.7	7.1	10.7	13.5	16.4	18.6	18.2
2021	18.1	17.4	15.3	12.5	9.0	7.3	6.8	9.3	12.9	15.3	17.9	18.2
2022	17.6	17.3	16.1	13.7	10.2	7.7	7.3	9.4	13.1	15.7	17.2	17.6
2023	17.3	17.6	16	13.2	11	8.8	7.2	9.8	13.7	16.6	16.7	17.4
Lowest	16.1	15.5	14.7	11.1	8.7	5.6	5.6	8.0	11.5	13.6	15.3	16.3
Highest	18.7	18.4	18.1	15.8	12.4	9.5	9.3	11.1	14.4	18.0	18.6	18.7

Source: Meteorological Services Department

Table1.6: Mean Maximum Temperatures (^{0}C)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1979	27.9	28.5	27.1	27.3	24.8	22.0	22.0	25.8	28.8	29.3	28.0	26.7
1980	28.5	28.6	26.9	26.9	25.6	22.1	21.3	24.1	27.4	29.1	29.4	27.9
1981	27.9	26.0	26.6	25.2	22.6	21.9	22.1	25.0	26.9	27.2	30.2	28.7
1982	28.3	27.9	28.7	27.1	24.1	23.3	22.1	24.6	26.7	27.6	29.6	30.1
1983	30.6	29.6	29.3	28.4	26.8	24.3	22.9	23.5	29.5	28.6	31.1	28.3
1984	29.5	28.0	27.6	26.3	25.4	22.1	22.4	24.6	29.0	29.8	27.6	27.7
1985	27.4	26.5	27.8	26.4	24.2	22.2	22.6	24.5	27.3	28.9	28.7	27.2
1986	26.8	27.4	27.8	25.5	24.4	22.2	22.7	26.1	27.7	28.9	29.1	28.0
1987	28.9	30.0	30.2	29.0	27.0	22.8	22.9	24.9	28.7	29.0	31.5	28.5
1988	29.2	27.4	27.0	27.2	24.2	23.3	23.1	25.4	28.6	29.4	28.6	27.5
1989	28.0	26.1	27.6	25.7	25.1	23.0	23.1	25.5	28.2	28.8	29.4	29.3
1990	27.3	27.4	29.0	27.3	25.3	24.4	24.7	24.5	27.2	30.7	30.3	29.7
1991	28.9	28.7	27.9	26.4	25.4	23.5	23.1	26.0	29.8	30.5	29.6	28.7
1992	30.6	28.3	29.8	28.9	26.7	23.8	23.1	24.7	30.1	31.4	30.0	28.5
1993	27.9	27.1	27.4	27.5	27.2	23.5	22.3	24.4	28.4	30.8	28.1	28.9
1994	27.4	27.4	29.4	28.0	25.7	22.9	21.8	24.5	28.8	27.6	31.8	29.9
1995	29.2	29.3	29.2	28.0	24.9	23.1	23.3	26.2	29.6	32.4	30.7	27.5
1996	27.5	26.8	26.8	25.4	23.8	22.2	22.4	26.1	29.6	31.5	30.4	28.5
1997	27.0	26.3	27.3	25.8	24.1	25.2	22.1	26.3	27.9	28.5	30.6	30.1
1998	28.2	29.1	29.5	28.2	27.0	24.8	23.6	25.1	28.8	30.8	29.8	27.5
1999	27.4	26.7	27.5	27.3	26.0	23.5	22.5	25.2	28.0	28.9	29.9	29.1
2000	27.6	26.9	27.6	26.1	23.8	22.3	22.0	23.9	28.7	29.7	28.7	28.0
2001	29.0	26.6	26.5	26.8	25.0	23.2	22.2	27.5	29.3	30.6	29.5	28.3
2002	29.7	29.3	28.7	27.7	24.4	23.2	23.4	26.2	28.5	29.8	29.0	29.1
2003	29.9	29.1	27.4	26.7	25.1	22.5	23.0	26.3	29.0	29.5	30.2	29.3
2004	28.7	27.9	26.6	25.8	24.6	22.8	22.7	26.8	28.3	29.0	31.3	28.4
2005	29.1	29.9	29.1	28.4	26.7	25.2	23.2	27.4	29.5	31.5	31.0	27.3
2006	28.3	28.6	38.2	27.3	25.8	23.3	24.0	25.4	27.9	31.3	30.3	30.4
2007	28.0	28.8	29.7	27.6	26.4	24.7	23.7	26.6	30.2	30.7	30.1	26.7
2008	32.3	28.9	28.3	27.6	26.2	23.9	24.1	26.8	30.3	32.4	30.7	29.0
2009	28.3	28.3	26.6	26.6	25.7	24.5	25.3	26.0	30.3	31.1	29.3	29.8
2010	30.4	29.2	28.4	27.9	26.2	23.1	22.9	25.0	30.1	33.0	31.2	28.5
2011	27.4	28.0	29.5	27.8	26.5	24.8	22.8	25.4	29.8	31.6	31.0	29.1
2012	29.2	29.9	29.1	26.5	26.7	24.3	24.2	27.4	30.2	31.3	31.0	29.2
2013	27.8	28.8	28.6	27.7	25.7	24.7	23.4	27.1	30.5	30.1	31.1	29.0
2014	28.1	28.0	28.9	26.4	25.8	24.7	24.0	26.5	29.3	31.0	31.6	29.0
2015	28.4	30.0	29.4	26.4	26.9	24.3	31.2	27.5	29.7	32.6	31.7	32.3
2016	30.6	31.5	29.2	27.9	24.7	24.0	23.8	26.6	30.7	33.1	31.4	30.2
2017	27.4	28.0	31.7	26.1	25.3	23.9	23.8	25.8	29.9	31.0	28.8	29.4
2018	30.5	27.1	28.3	27.3	32.3	24.2	21.6	28.8	31.6	30.3	31.0	30.9
2019	29.6	29.0	30.1	28.6	26.4	23.9	25.7	27.6	29.0	32.7	32.5	31.3
2020	29.8	28.4	28.1	28.7	26.4	23.0	23.0	26.7	28.6	30.7	32.2	28.3
2021	27.9	27.7	28.2	27.9	25.6	23.6	27.0	27.1	30.9	30.2	32.2	30.8
2022	28.6	28.3	28.6	27.6	25.5	23.7	23.5	25.8	29.1	30.3	31.8	29.8
2023	28.1	28.5	28.5	29.2	28.7	27.8	23.6	26.7	31.3	31.6	31.8	30.6
Lowest	**26.8**	**26.3**	**26.5**	**25.2**	**22.6**	**21.9**	**21.3**	**23.5**	**26.7**	**27.2**	**27.6**	**26.7**
Highest	***32.3***	***31.5***	***38.2***	***29.2***	***32.3***	***25.2***	***31.2***	***28.8***	***31.6***	***33.1***	***32.5***	***32.3***

Source: Meteorological Services Department

Humidity

Table 1.7: Relative Mean Humidity (%)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1979	72.0	69.4	74.0	64.2	62.3	60.7	57.8	53.7	48.7	53.1	67.3	72.7
1980	69.3	73.7	75.0	67.3	57.1	57.5	59.9	52.8	55.9	52.7	62.7	73.4
1981	78.8	85.0	78.0	72.1	72.0	64.2	61.6	56.5	51.5	58.5	59.3	65.5
1982	73.1	73.0	66.2	66.1	62.7	58.5	58.7	51.0	50.3	57.7	59.0	60.4
1983	61.0	66.7	66.1	61.2	59.5	59.0	59.7	51.8	42.8	51.7	53.2	67.3
1984	62.5	70.0	72.0	69.0	61.2	63.9	62.5	52.0	48.4	52.9	67.5	72.2
1985	78.9	79.0	75.3	67.2	63.9	61.6	61.2	52.8	54.0	51.0	57.7	72.7
1986	77.1	74.7	70.3	76.5	68.5	63.0	60.0	47.8	49.1	58.1	59.0	70.0
1987	70.2	66.0	61.8	57.4	52.3	53.3	51.4	55.7	51.1	49.1	51.3	74.9
1988	71.7	78.2	79.7	75.4	68.0	62.1	63.2	52.4	46.6	54.2	57.6	69.0
1989	70.1	80.1	73.1	72.5	65.8	64.2	58.8	56.0	47.3	53.7	62.2	67.2
1990	79.7	78.1	68.4	73.3	65.4	59.8	56.4	55.4	49.5	48.0	54.4	65.6
1991	75.8	75.9	76.8	68.2	64.2	62.7	57.9	50.1	47.1	47.8	58.1	64.7
1992	63.1	56.4	65.7	58.9	54.6	55.0	53.9	49.6	42.0	44.8	58.1	72.0
1993	75.2	80.4	76.1	71.9	57.0	59.4	64.4	57.3	46.8	51.3	66.9	72.2
1994	77.1	74.7	65.4	60.9	56.9	55.9	55.6	51.1	45.2	73.2	47.9	62.1
1995	67.8	68.2	64.4	59.5	67.8	57.9	56.0	54.9	41.6	44.2	54.0	71.8
1996	75.9	80.3	75.9	68.6	72.5	65.8	60.8	55.3	46.2	46.4	58.9	74.2
1997	85.9	82.3	80.3	75.2	67.6	60.1	66.6	48.0	58.1	57.5	60.4	66.4
1998	82.9	75.9	75.7	65.6	54.5	56.5	58.5	53.4	48.1	52.1	62.3	82.3
1999	82.1	83.2	77.3	69.4	64.5	61.9	63.5	55.7	48.2	55.2	61.6	68.8
2000	80.1	85.4	82.3	78.1	74.8	75.4	67.2	59.8	50.7	48.7	68.6	75.1
2001	68.0	73.8	71.8	68.1	62.3	66.1	61.2	54.2	50.8	41.0	68.0	68.4
2002	72.0	59.0	62.0	57.0	60.5	66.0	60.5	65.5	50.5	55.0	56.0	65.0
2003	61.5	64.5	77.0	67.0	63.0	74.0	64.5	47.0	47.0	54.5	58.5	65.0
2004	65.0	69.0	68.0	68.0	63.0	70.0	66.0	56.0	51.5	55.5	45.5	67.0
2005	65.0	64.0	65.5	66.0	61.0	58.5	60.5	52.0	44.0	47.5	55.0	78.0
2006	69.0	65.5	72.5	67.0	55.0	61.0	52.5	47.5	45.0	48.5	61.5	52.5
2007	52.0	63.5	54.0	68.5	62.9	70.0	61.0	49.0	46.7	50.8	60.3	62.0
2008	83.7	73.7	73.2	60.5	61.5	59.1	57.5	49.7	50.1	51.7	66.5	69.5
2009	81.7	78.8	73.9	69.3	68.9	61.4	66.0	51.9	47.4	48.7	63.6	72.4
2010	71.8	77.0	72.5	71.2	74.3	67.2	63.5	57.9	42.8	45.9	61.2	75.7
2011	78.3	71.8	69.5	72.0	62.5	53.9	54.6	51.7	42.1	47.8	64.0	69.6
2012	70.8	74.0	70.3	66.7	57.1	56.7	50.9	46.2	49.6	52.4	53.8	70.6
2013	80.3	74.2	74.1	67.4	61.4	57.9	59.2	50.0	43.3	53.0	57.3	67.5
2014	76.9	80.4	79.1	76.4	64.5	60.4	59.5	54.7	49.9	48.1	56.6	66.1
2015	74.4	72.3	66.5	76.3	62.5	58.3	50.1	44.6	48.6	45.6	54.6	57.7
2016	69.3	62.6	79.2	72.8	64.9	65.8	60.7	50.5	40.5	42.1	56.7	70.8
2017	83.7	80.9	77.8	75.2	67.9	65.3	61.5	53.4	48.5	48.8	62.0	67.6
2018	65.3	81.3	76.5	71.3	68.1	57.6	64.1	46.3	37.3	44.4	50.9	58.5
2019	74.0	72.9	64.5	67.4	58.0	59.0	48.3	50.5	41.6	42.8	56.2	61.2
2020	69.3	80.8	69.2	59.2	51.8	60.0	52.4	48.8	42.2	48.3	56.5	71.0
2021	83.0	78.3	69.0	63.7	59.2	58.5	55.0	50.0	40.3	49.3	54.5	65.2
2022	73.1	73.8	71.8	68.1	62.9	61.4	59.1	52.3	47.1	50.8	58.7	68.4
2023[1]												
Smallest	**52.0**	**56.4**	**54.0**	**57.0**	**51.8**	**53.3**	**48.3**	**44.6**	**37.3**	**41.0**	**45.5**	**52.5**
Largest	**85.9**	**85.4**	**82.3**	**78.1**	**74.8**	**75.4**	**67.2**	**65.5**	**58.1**	**73.2**	**68.6**	**82.3**

Source: Meteorological Services Department

[1] *Data not yet available for 2023 from MSD*

Pressure

Table Error! No text of specified style in document.**.5: Mean Pressure (Bars)**

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1979	886.6	885.2	886.1	887.6	890.3	892.9	893.3	890.0	889.0	887.5	886.1	886.4
1980	885.2	885.0	886.5	887.6	889.8	891.8	893.4	892.6	888.8	888.2	886.3	884.9
1981	885.1	884.5	886.5	888.2	892.2	892.0	891.9	890.1	889.4	888.0	886.1	886.0
1982	884.5	884.2	886.0	887.3	889.7	891.6	892.4	891.6	890.3	888.0	886.2	887.9
1983	888.5	888.4	887.1	888.2	888.8	890.6	891.6	891.7	889.3	887.9	887.1	885.5
1984	884.0	883.8	886.3	888.4	889.3	891.9	891.5	891.1	888.5	887.2	886.7	884.4
1985	884.2	883.6	885.4	887.7	889.4	891.9	892.1	892.1	888.7	887.8	886.8	885.0
1986	885.2	885.0	886.1	887.9	889.9	891.5	892.7	890.4	889.9	887.5	886.7	886.1
1987	885.2	886.0	885.6	888.1	889.6	892.2	891.5	891.0	888.6	888.2	887.3	886.2
1988	885.0	884.8	886.0	887.4	890.7	890.9	891.2	890.5	889.1	887.0	887.8	886.6
1989	884.1	883.7	885.4	888.2	890.4	891.7	892.4	890.7	888.0	887.6	886.3	885.2
1990	885.4	885.4	887.4	887.6	889.7	891.1	887.5	888.1	886.3	884.2	881.3	881.5
1991	881.8	880.6	882.9	885.3	885.8	886.8	888.6	887.4	885.1	883.0	883.4	882.2
1992	882.2	881.8	882.2	884.1	885.7	887.2	889.1	888.5	884.8	882.5	882.5	870.6
1993	881.5	880.1	883.3	884.1	884.9	888.6	889.2	887.9	885.9	884.3	882.0	882.7
1994	881.0	883.4	883.0	886.4	888.7	889.4	891.2	889.1	885.7	885.9	882.7	884.4
1995	881.6	871.4	881.9	883.8	886.5	887.0	887.1	886.7	884.9	883.9	882.7	882.3
1996	878.8	882.4	872.8	872.2	875.4	877.6	877.2	874.8	873.4	872.6	871.3	868.1
1997	864.0	870.9	873.1	874.1	878.5	875.5	879.5	876.9	872.2	874.5	871.1	869.9
1998	868.5	865.9	873.1	875.3	875.2	877.9	877.8	876.9	874.9	873.7	872.2	868.6
1999	870.4	870.6	871.8	875.6	873.0	877.1	878.3	876.5	874.4	874.2	872.6	872.1
2000	869.5	869.4	871.5	874.5	875.9	877.9	877.8	877.6	874.0	873.7	870.2	871.3
2001	-	-	-	-	-	-	-	-	-	-	-	-
2002	-	-	-	-	-	-	-	-	-	-	-	-
2003	-	-	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-	-	-
2008	880.9	888.8	899.3	891.1	896.8	894.5	894.5	892.1	891.0	884.2	877.6	867.9
2009	880.2	886.3	898.3	901.7	897.5	899.4	889.9	909.4	903.4	900.2	892.5	893.7
2010	887.9	894.4	889.4	893.2	894.2	895.7	895.7	897.6	888.4	883.2	878.9	882.3
2011	874.0	882.0	882.5	877.7	880.2	882.2	882.3	889.2	891.6	884.3	884.1	882.6
2012	881.2	881.8	885.2	884.9	888.9	890.6	890.3	883.5	880.4	873.0	878.6	882.1
2013	888.2	883.7	891.6	887.0	898.7	899.1	884.9	892.4	890.8	885.7	884.4	884.2
2014	892.1	891.5	887.8	882.8	900.4	900.2	895.7	900.5	895.2	893.1	892.7	891.4
2015	890.7	881.7	881.1	875.3	889.6	888.7	885.1	885.4	880.5	879.4	878.0	876.2
2016	878.0	877.9	880.9	883.2	888.7	885.2	889.0	882.3	877.2	881.2	879.2	877.5
2017	873.5	876.2	879.4	882.7	881.4	882.4	885.3	869.4	880.5	869.1	876.7	876.1
2018	872.4	866.8	866.8	877.5	881.5	883.8	888.8	874.2	883.0	890.4	885.6	877.2
2019	877.9	882.5	871.7	871.6	873.7	877.6	878.4	871.8	864.9	863.1	864.0	867.2
2020	868.9	866.2	869.1	867.9	874.3	869.5	873.9	869.8	869.4	870.0	871.8	863.4
2021	860.6	860.8	869.2	869.0	861.8	865.0	871.9	869.2	874.2	867.5	863.5	867.0
2022	870.7	870.5	872.3	873.2	876.0	877.2	877.3	876.1	874.2	872.3	870.9	879.6
2023	916.2	896.2	889.1	890.9	892	892.2	898.7	897.9	893.8	892.8	891.3	888.7
Smallest	**864.0**	**865.9**	**871.5**	**872.2**	**873.0**	**875.5**	**877.2**	**874.8**	**872.2**	**872.6**	**870.2**	**868.1**
Largest	**916.2**	**896.2**	**889.1**	**901.7**	**900.4**	**900.2**	**898.7**	**909.4**	**903.4**	**900.2**	**892.7**	**893.7**

Source: Meteorological Services Department

Radiation

Table Error! No text of specified style in document.**.6: Mean Radiation (MJ/m^2)**

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1980	25.4	22.2	22.4	21.6	20.6	18.0	18.3	20.7	22.1	24.2	22.5	23.7
1981	22.5	18.9	21.3	20.8	18.2	18.4	18.2	20.5	21.9	22.5	23.4	24.9
1982	23.9	23.5	24.0	20.8	19.0	17.5	17.4	20.6	23.0	22.3	23.4	24.9
1983	24.5	25.3	23.6	21.7	19.2	17.7	17.6	20.7	23.8	23.4	24.6	23.0
1984	25.8	24.4	21.4	20.8	19.1	16.8	16.7	21.1	23.0	23.0	22.1	22.6
1985	21.5	22.9	22.3	22.2	18.9	17.4	17.7	20.7	21.8	23.6	24.9	21.1
1986	22.5	22.9	23.2	19.5	19.3	18.5	18.6	21.1	22.6	22.3	24.4	23.2
1987	24.8	25.7	24.2	23.0	19.4	18.4	19.4	20.2	22.2	25.2	25.6	21.2
1988	25.7	21.5	21.3	20.5	18.4	17.3	18.4	21.4	24.4	23.1	25.0	22.3
1989	22.6	18.0	22.2	20.2	19.8	17.0	18.2	20.2	22.9	23.3	23.8	23.9
1990	20.5	22.4	23.2	20.8	19.2	16.9	18.4	20.8	22.8	24.3	25.4	24.0
1991	22.6	22.9	21.7	22.6	19.3	17.7	18.5	21.1	22.2	24.4	23.6	23.1
1992	25.0	27.1	21.7	21.8	19.6	17.8	18.9	21.3	24.0	24.8	24.3	21.6
1993	23.1	21.2	21.9	21.1	20.5	18.2	17.5	20.8	23.5	25.3	21.8	23.2
1994	21.8	23.6	25.1	22.8	20.3	18.0	18.4	20.7	24.5	23.7	25.6	24.9
1995	24.8	24.6	24.3	22.2	18.6	18.7	18.8	20.6	23.6	23.7	24.4	21.7
1996	20.7	21.5	22.8	21.3	16.8	17.5	18.1	21.5	23.5	25.8	22.6	23.1
1997	20.0	20.6	20.7	21.0	20.0	18.0	17.2	21.7	21.2	23.3	23.3	25.0
1998	20.3	24.0	23.8	23.5	21.6	19.1	19.2	20.7	23.4	24.6	23.0	21.0
1999	22.3	21.5	22.6	22.7	20.6	18.4	17.3	21.2	23.8	25.3	24.6	25.5
2000	22.4	20.1	21.8	21.8	18.5	16.1	18.1	21.6	22.9	24.9	25.0	22.9
2001	-	-	-	-	-	-	-	-	-	-	-	-
2002	-	-	-	-	-	-	-	-	-	-	-	-
2003	-	-	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-	-	-
2008	20.4	21.5	23.7	24.6	20.3	18.4	18.3	22.3	25.1	28.3	24.2	23.3
2009	24.3	25.2	21.0	22.7	20.1	18.6	17.6	22.7	22.9	26.2	22.6	25.1
2010	25.0	22.6	23.0	20.0	19.7	17.2	17.7	23.1	25.3	25.1	24.6	24.0
2011	21.8	25.5	23.3	21.1	21.1	19.7	19.3	23.0	25.5	26.0	23.9	24.0
2012	25.9	25.6	25.1	23.2	21.4	19.2	21.4	22.3	24.1	25.4	26.7	23.4
2013	22.4	25.3	24.6	23.3	21.6	20.0	20.5	22.3	24.6	26.3	24.7	23.5
2014	24.6	23.4	23.7	20.8	21.5	20.0	20.6	23.2	25.5	27.3	26.1	23.4
2015	25.2	26.5	25.2	19.3	22.2	20.6	20.0	23.9	24.4	27.1	25.3	27.1
2016	26.5	26.0	22.3	22.0	21.3	18.7	18.7	24.3	25.0	27.4	23.9	24.1
2017	22.4	21.2	23.2	21.0	20.3	18.8	19.3	23.0	25.3	25.2	25.6	25.2
2018	28.8	20.5	23.5	22.3	20.9	19.7	17.6	23.7	26.2	27.6	26.1	27.4
2019	25.3	26.6	27.3	22.1	22.4	18.6	23.8	24.9	25.7	29.0	26.8	25.1
2020	22.3	24.0	24.2	23.5	22.5	18.4	20.9	22.1	24.5	25.8	26.5	21.7
2021	23.1	22.4	25.6	25.1	22.6	18.0	20.0	22.6	23.9	23.5	25.2	24.9
2022	23.5	23.2	24.1	24.4	21.9	18.2	18.7	21.7	23.7	24.9	24.4	23.6
2023	21.9	18.4	20.1	19.9	17.4	16.3	15.3	17.4	20.1	21.8	23.8	21.4
Smallest	**20.0**	**18.0**	**20.1**	**19.3**	**16.8**	**16.1**	**15.3**	**17.4**	**20.1**	**21.8**	**21.7**	**21.0**
Largest	**28.8**	**27.1**	**27.3**	**25.1**	**22.6**	**20.6**	**23.8**	**24.9**	**26.2**	**29.0**	**26.8**	**27.4**

Source: Meteorological Services Department

Sunlight Hours

Table Error! No text of specified style in document..**7: Mean Sunlight Hours**

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1980	8.8	7.0	7.7	8.2	9.7	9.2	9.1	9.2	8.9	9.1	7.1	7.2
1981	6.4	4.3	6.8	8.1	8.0	9.5	9.2	9.6	8.8	8.2	7.7	8.6
1982	7.7	7.8	9.1	8.1	8.5	8.7	8.3	9.4	9.2	7.9	7.8	8.4
1983	8.1	8.6	8.3	8.4	8.9	8.9	8.7	9.4	10.0	8.5	8.2	6.9
1984	9.0	8.1	6.9	8.2	8.5	7.8	7.5	9.6	9.4	8.4	6.5	6.6
1985	5.5	7.1	7.3	8.6	7.9	8.3	8.3	9.3	8.5	8.9	8.3	5.2
1986	6.1	7.2	7.9	6.6	8.9	9.0	9.2	10.0	9.3	7.8	8.4	7.2
1987	8.0	9.5	8.8	9.7	8.8	9.1	9.7	8.7	8.9	9.2	9.1	5.5
1988	8.4	6.6	6.8	7.8	8.1	8.5	9.2	9.9	10.0	8.4	8.7	6.9
1989	6.9	4.3	7.5	7.8	9.2	8.2	8.8	9.1	9.2	8.3	8.0	7.7
1990	5.5	7.1	8.5	8.2	8.4	7.8	9.3	9.4	9.2	9.2	8.9	7.5
1991	7.6	7.4	7.4	9.4	8.8	9.1	9.1	9.9	9.3	9.2	7.6	7.5
1992	8.9	10.5	7.2	8.9	9.3	8.9	9.4	9.4	9.9	9.3	8.2	6.0
1993	7.1	6.5	7.6	8.3	9.7	8.9	7.5	9.2	9.5	10.1	7.1	7.6
1994	6.6	7.8	9.8	9.4	9.5	8.8	9.1	9.3	9.9	8.4	9.2	7.8
1995	8.6	8.6	9.2	8.8	7.8	9.2	9.2	9.0	9.8	8.8	8.3	6.1
1996	5.7	6.9	8.0	8.5	7.1	8.6	8.7	9.5	9.7	10.2	7.5	7.2
1997	4.9	6.4	6.9	7.9	9.1	9.1	7.9	10.5	8.2	8.5	7.6	8.6
1998	5.6	8.3	8.3	9.7	9.7	9.7	9.4	9.2	9.5	9.2	7.1	5.0
1999	6.0	5.9	7.8	9.1	9.7	9.0	7.6	9.2	9.4	9.2	8.3	8.1
2000	6.3	5.7	7.1	8.5	8.7	8.3	8.0	9.1	9.1	8.8	7.8	6.9
2001	6.2	6.0	7.2	8.4	8.0	8.5	8.4	9.5	9.5	9.1	8.2	6.6
2002	6.2	7.1	7.8	8.4	7.3	8.6	8.4	9.5	9.6	8.2	8.3	5.6
2003	6.1	6.8	7.7	8.5	8.1	8.4	9.0	9.8	9.8	9.2	7.8	6.8
2004	6.1	6.4	7.1	8.2	8.5	8.3	8.7	9.5	9.6	8.2	9.3	5.5
2005	6.8	8.7	8.1	9.7	9.8	8.8	9.1	9.8	9.5	10.5	6.7	5.2
2006	5.3	6.2	6.4	8.9	8.7	8.1	8.5	9.7	9.9	9.2	8.0	7.0
2007	5.5	6.3	8.6	8.6	9.5	8.4	8.6	10.1	9.5	9.5	7.5	3.7
2008	5.1	8.9	8.1	9.7	8.6	8.5	8.3	9.5	9.0	9.6	7.5	6.7
2009	6.9	7.7	6.2	9.0	8.7	9.1	7.4	9.9	8.9	9.4	6.9	7.2
2010	8.0	6.9	7.1	7.4	7.8	8.1	7.0	9.2	9.9	9.3	7.6	6.2
2011	5.7	8.2	8.0	8.1	9.1	8.7	8.2	9.3	9.7	8.8	7.5	7.0
2012	8.3	8.2	7.4	8.1	9.3	9.0	9.8	8.5	8.8	9.3	7.8	5.2
2013	6.5	7.6	8.0	8.7	9.0	9.3	8.9	9.2	9.4	8.9	7.8	6.3
2014	6.2	6.5	7.6	6.9	8.9	8.9	8.9	9.4	9.4	9.9	8.7	5.5
2015	7.3	8.2	8.3	6.4	9.6	9.0	9.5	10.2	9.1	10.1	8.1	8.2
2016	7.7	10.9	6.4	8.3	8.7	8.5	7.9	10.1	9.9	9.9	7.5	6.4
2017	5.0	6.4	7.0	8.0	8.6	8.3	8.2	9.2	9.5	8.0	6.9	7.2
2018	8.8	4.5	6.7	8.2	10.4	9.1	6.7	10.0	9.6	9.7	8.5	8.0
2019	7.0	7.9	8.8	7.8	9.5	8.7	9.9	9.6	9.6	9.6	8.1	8.9
2020	7.3	6.8	6.9	8.3	9.4	7.5	9.0	9.1	9.0	9.6	7.7	5.2
2021	5.4	5.9	7.5	8.7	9.3	8.8	8.7	9.2	9.1	8.3	8.2	6.8
2022	5.8	6.6	7.7	8.4	8.8	8.7	8.6	9.5	9.4	9.0	7.9	6.7
2023[2]												
Smallest	**4.9**	**4.3**	**6.4**	**6.4**	**7.1**	**7.5**	**6.7**	**8.5**	**8.2**	**7.8**	**6.5**	**3.7**
Largest	**9.0**	**10.9**	**9.8**	**9.7**	**10.4**	**9.7**	**9.9**	**10.5**	**10.0**	**10.5**	**9.3**	**8.9**

Source: Meteorological Services Department

[2] *Data not yet available for 2023 from MSD*

Hydrological Characteristics

Table Error! No text of specified style in document..**8: Hydrological Characteristics**

Year of Completion	Dam Name	River	Region	Depth of Dam (m)	Reservoir Capacity (10^3 m3)	Area of Reservoir (m2)	Owner
-	Ailie	-	-	18	750	-	
1966	Alexander	Odzani	Manicaland	29	6,710	740	GoZ
1980	Amapongokwe	Mapongokwe	Midlands	28	40,000	5,300	GoZ
1975	Anchor Yeast	Ngamo	Midlands	15	3,200	160	Private
1971	Antelope	Shasani	Matabeleland	23	14,970	2,900	GoZ
1995	Arbendruhe	Madoda	Mashonaland	15	3,000	93	Private
1995	Arcadia	Pote/Nyamashanga	Mashonaland	30	55,000	7,800	Private
1984	Ashford	Tsatsi	Mashonaland	21	1,300		Private
1994	Auridiam	Mfabas	Matabeleland	19	3,300	73	Private
1992	Banga	Banga	Mashonaland	21	966	230	Private
1963	Bangala	Mutirikwi	Masvingo	51	130,020	11,330	GoZ
1987	Bangazaan	Buzi	Manicaland	27	2,330	340	GoZ
1992	Barwick	Mukwadzi	Mashonaland	18	12,500	275	Private
1984	Beitbridge	(ORS)	Matabeleland	24	5,575	1,040	GoZ
1997	Bembezaan	Bembezaan	Midlands	30	65,000	9,100	Bembezaan Syndicate
1978	Bert Hacking	Siwa	Mashonaland	16	4,400	1,050	Private
1986	Biri	Biri	Midlands	15	2,500	750	GoZ
2001	Biri (Stage1)	Manyame	Mash.West	37	174,000	17,500	Private
1982	Blackmore Vale	Suri Suri	Mashonaland	23	17,500		Private
1977	Blockley	Mwami	Mashonaland	21	4,850	900	GoZ
1994	Brawlands	Mazowe	Mashonaland	19	2,500	81	Private
1985	Brecon	Pote	Mashonaland	29	8,100	1,130	Private
1977	Bumururu	Musengezi	Mashonaland	16	2 370	400	GoZ
1944	Cactus Poort	KweKwe	Midlands	18	3,100	770	GoZ
1995	Castledene Pines	Shavanhowe	Mashonaland	22	5,520	949	Private
1981	Cecilmour	Rukute	Mashonaland	24	3,800	600	Private
1973	Charliesona	Bembesi	Matabeleland	17	14,100	3,510	Private
1992	Chembada	Chirareri	Mashonaland	22	2,700	395	Private
1997	Cheswene	Bubye	Masvingo	27	4,600	1,150	Private
1997	Chikake	Chikake	Mash. Central	29	4,830	800	Private
1988	Chimanda	Runwa	Mashonaland	22	5,300	750	GoZ
1997	Chimedza	Mzingwane /T	Mat .South	34	6,081		Private
1994	Chimwe	Chimwe	Midlands	25	6,500	1,440	GoZ
1995	Chingford	Saruwe	Mashonaland	15	3,200	,	Private
1993	Chinyama-Tumwa	Chinyamatumwa	Masvingo	19	2,255	4,710	GoZ
1994	Chiparawe	Nyagui	Mashonaland	29	3,200		Private
1998	Chipudzana	Chipudzana	Manicaland	27	4,000	576	Private
1973	Chivake	Chivake	Mashonaland	22	6,000	4,620	GoZ
1952	Chivero	Manyame	Mashonaland	40	250,040	26,300	GoZ
1991	Churchill	Matormanzi	Mashonaland	18	2,770	820	Private
1972	Claremont	Maroro	Manicaland	22	2,500	260	Private
1973	Claw	Umsweswe	Mashonaland	28	67,300	12,150	GoZ
1987	Clifton	_	Mashonaland	19	11,000	2,070	GoZ

Source: ZINWA

Year of Completion	Dam Name	River	Region	Depth of Dam (m)	Reservoir Capacity (10^3 m3)	Area of Reservoir (m2)	Owner

Table Error! No text of specified style in document.**.9 (continued): Hydrological Characteristics**

Year of Completion	Dam Name	River	Region	Depth of Dam (m)	Reservoir Capacity (10^3 m3)	Area of Reservoir (m2)	Owner
1985	Cowley	Munzi	Mashonaland	20	3,410	1,350	Private
1993	Dandaresh	Dere/T	Mashonaland	22	884	134	Private
-	Dande	Dande	Mashonaland	45	160,000	16,000	ARDA
1955	Doddie Burn	Sibizini	Matabeleland	19	3,650	1,080	Private
1997	Dora	Dora	Mashonaland	36	13,600	1,675	Private
1991	Dormervale	Nyakambiri	Mashonaland	18	2,961	700	Private
-	Dotito	Karoi	Mashonaland	16	2,350	593	GoZ
1998	Dudley	Mutoromanzi	Mashonaland	23	9,465	1,369	Private
1989	Dundori	Mazowe	Mashonaland	19	2,500		Private
1991	Eastwolds	Musengezi	Mashonaland	27	24,000	3,090	Private
1995	Edmonston	Munera/T	Mashonaland	20	647	128	Private
1995	Egdon	Pembi	Mashonaland	21	3,180	490	Private
1987	Eirene	Wenimbi	Mashonaland	20	2,430	520	Private
1981	Endeavour	Mvumi	Mashonaland	21	2,640	520	Private
1972	Exchange Block	Gweru	Midlands	18	9,180	3,230	GoZ
1985	Firhill	Swatadzi	Mashonaland	20	3,700	600	Private
1978	Forrester	Dere	Mashonaland	15	2,000	400	Private
1989	Frogmore	Ruya	Mashonaland	22	4,617	950	Private
1991	Ghost Acre	Muneni	Mashonaland	24	11,500	1,950	Private
1995	Gilnockie	Mapheni	Mashonaland	30	5,000	801	Private
1993	Gomo Lot 1	Dande	Mashonaland	20	1,800	25	Private
1996	Gota	Chirareri	Mashonaland	34	7,763	7,750	Private
1993	Groenvlei	Karoe	Mashonaland	22	2,700	650	Private
1993	Guitingwood	Nyamanu	Mashonaland	20	3,000	48	Private
1999	Gungwa Weir	Mutirikwi	Masvingo				Private
1992	Gwagwadza	Chirareri/T	Mashonaland	31	4,898	490	Private
1958	Gwenoro	Runde	Midlands	30	32,050	32,050	GoZ
1978	Hale	Gwebi	Mashonaland	16	6,000		Private
1988	Hama	Mavaire	Midlands	20	2,400	415	GoZ
1973	Harava	Manyame	Mashonaland	18	9,250	2,150	City of Harare
1992	Hariana	Ruya	Mashonaland	19	3,180	70	Private
1968	Ingwesi	Ingwesi	Matabeleland	40	69,810	8,500	GoZ
1976	Insiza	Insiza	Matabeleland	44	176,000	19,900	GoZ
1987	Insukamini	Ngamo	Midlands	18	7,850	2,040	GoZ
1972	Inyankuni	Inyankuni	Matabeleland	40	81,800		City of Bulawayo
1992	Jiri	Jiri	Masvingo	20	20,000	4,000	Private
1996	Journeys End	Muda	Manicaland	20	1,650		Private
1992	Jumbo	Murowodzi	Mashonaland	32	21,000	2,660	Private
1990	Kalope	Jalope	Matabeleland	15	2,100		GoZ
1959	Kariba	Zambesi	Mashonaland	128	180,600,000	5,100,000	Zambezi R. Auth
1992	Kazilo	Mupinge	Mashonaland	20	1,350	27	Private
1997	Kelston	Msitwe	Mash. Central	25	5,000	920	Private
1928	Khame	Khami	Matabeleland	26	3,440	890	City of Bulawayo
1989	Kisanzi	Urundi	Mashonaland	16	2,540	590	Private
1986	Kombi	Munganwa	Mashonaland	25	7,400		Private
1976	Kudzwe	Kudzwe	Mashonaland	18	2,100	540	GoZ
1993	Kushinga-Pikelela	Nyakambiri	Mashonaland	20	7,910	1,260	GoZ
1972	Lesapi	Lesapi	Manicaland	41	68,000	6,150	GoZ
-	Lilstock	Ruya	Mashonaland	32	25,000	3,200	Private

Source: ZINWA

Table Error! No text of specified style in document.**.10(continued): Hydrological Characteristics**

Year of Completion	Dam Name	River	Region	Depth of Dam (m)	Reservoir Capacity (10^3 m3)	Area of Reservoir (m2)	Owner
1995	Lions Head	Mubvinzi	Mashonaland	17	4,923	936	Private
1988	Lonely Park	Chinyika	Mashonaland	24	2,940	600	Private
1960	Longlands	Nyambuya	Mashonaland	17	2,270	1,090	GoZ
1952	Lower Mujeni	Mchabezi	Matabeleland	20	10,470	2,370	GoZ
1936	Lower Umgusa	Umgusa	Matabeleland	20	1,330	260	GoZ
1954	Zivagwe	Sebakwe	Midlands	22	5,340	2,830	GoZ
1992	Lungwalala	Lungwalala	Matabeleland	24	10,800	4,480	GoZ
1967	Mabgwe Matemba	Mabgwe	Midlands	17	2,300	550	GoZ
1993	Mabvute	Musuche	Masvingo	22	3,100	711	GoZ
1981	Machere	Ruya	Mashonaland	20	1,160		Private
1993	Machere	Ruya	Mashonaland	19	2,720	450	Private
1989	Macumbiri	Mwenji	Mashonaland	26	4,500		Private
1991	Magudu	Mwedzi	Masvingo	19	5,840	1,300	GoZ
1995	Magunje	Murereshi	Mashonaland	21	8,000	1,869	GoZ
1989	Mahusekwa	Mupfure	Mashonaland	23	3,100	660	GoZ
1969	Makashi	Bubi	Matabeleland	16	3,270	940	Private
1997	Makuti	Bembezaan	Midlands	15	5,000	1,600	Private
1995	Malangani	Mwanezana	Masvingo	26	7,223		Private
1998	Malilangwe (Raised)	Nyamasikana	Masvingo	22	7,830		Malilangwe Cons. Trust
1967	Mamande	Nata	Matabeleland	18	11,540	3,160	GoZ
1990	Mamina	Ngezi	Midlands	24	10,400	2,670	GoZ
1997	Mandindindi	Masawera	Mashonaland	19	2,000	30	Private
1986	Mangwe	Mangwe	Matabeleland	30	9,600	1,670	GoZ
1967	Manjirenji	Chiredzi	Masvingo	51	285,000	20,230	GoZ
1976	Manyame	Manyame	Mashonaland	28	490,000	81,000	GoZ
1975	Manyuchi	Manyuchi	Midlands	15	3,280		GoZ
1989	Manyuchi Ii	Mwenezi	Masvingo	41	319,000	33,000	GoZ
1992	Masembura	Pote	Mashonaland	42	27,150	2,582	Private
1993	Mashoko	Chinyerere	Masvingo	21	1,500	356	GoZ
-	Matezwa	Mungezi	Masvingo	21	6,000	2,240	GoZ
1901	Matobo	Maleme/T	Matabeleland	21	4,300	670	GoZ
1920	Mazoe	Mazowe	Mashonaland	37	35,120	4,450	Anglo American Corp.
1988	Mazvikadei	Mukwadzi	Mashonaland	63	365,000	23,000	GoZ
1997	Mbagedziwe	Mutorashanga	Mash. West	23	4,500	680	Private
1988	Mbindangombe	Turgwana	Masvingo	23	22,600	3,150	GoZ
1988	Membge Njaro	Karimba	Mashonaland	21	3,800		Private
1992	Mexico	Ngezi	Midlands	18	3,490	810	Private
1972	Mhende	Mhende	Midlands	15	2,270	500	GoZ
1971	Mhlanga	Mhlanga	Matabeleland	16	4,310	760	GoZ
1982	Middle Gwina	Gwina	Mashonaland	20	3,600		Private
1998	Mlelesi	Mlelesi	Mat South	16	3,900		Private
-	Matezwa	Mungezi	Masvingo	21	6,000	2,240	GoZ
1901	Matobo	Maleme/T	Matabeleland	21	4,300	670	GoZ
1920	Mazoe	Mazowe	Mashonaland	37	35,120	4,450	Anglo American Corp.

Source: ZINWA

Table Error! No text of specified style in document.**.11(continued): Hydrological Characteristics**

Year of Completion	Dam Name	River	Region	Depth of Dam (m)	Reservoir Capacity (10^3 m3)	Area of Reservoir (m2)	Owner
1988	Mazvikadei	Mukwadzi	Mashonaland	63	365,000	23,000	GoZ
1997	Mbagedziwe	Mutorashanga	Mash. West	23	4,500	680	Private
1986	Mondynes	Musengesi	Mashonaland	19	4,500		Private
1990	Moodie's Rest	Nyanhombo	Manicaland	24	671	88	Private
1999	Moodiesville	Mezi	Manicaland	16	4,500		Private
1998	Mountain Home	Mutare	Manicaland	27	4,950	670	Private
-	Mpudzi	Mpudzi	Manicaland	32.5	13,000	650	GoZ
1996	Mteri	Mteri	Masvingo	32	75,000	8,700	Hippo Valley Estat.
1994	Mtshabezi	Mtshabezi	Matabeleland	51	52,200	3,750	GoZ
1992	Mtsike	Mtsike	Mashonaland	15	8,151	2,240	Private
-	Mukorsi	Tokwe	Masvingo	89	1,802,600	96,400	GoZ
-	Mundi-Matanga	Mundi	Midlands	32	39,000	570	GoZ
1971	Muneni	Dondo	Mashonaland	18	2,510	490	Private
1997	Munera	Munera	Mashonaland	36	10,670	1,074	Private
1995	Munyera	Munyera	Mashonaland	23	3,000	37	Private
1969	Mupfurudzi	Mupfurudzi	Mashonaland	25	12,730	2,050	GoZ
1991	Musaverema	Musaverema	Masvingo	13	7,526	2,500	GoZ
1938	Mushandike	Mushandike	Masvingo	38	38,260	4,370	GoZ
1982	Mushowe	Mchowe	Mashonaland	16	2,350	580	Private
1996	Mutakura	Sterkstroom	Manicaland	28	7,200	853	Private
-	Mutawatawa	Zvirigudzi	Mashonaland	28	2,700	470	GoZ
1960	Mutirikwi	Mutirikwi	Masvingo	67	1,425,000	91,050	GoZ
1992	Mutora	Mutorashanga	Mashonaland	28	15,485	2,035	Private
1992	Mutorashanga	Mutorashanga	Mashonaland	27	1,500	240	Private
1994	Mutshila-Shokwe	Mutshilashokwe	Matabeleland	14	3,300		Private
1990	Muzhwi	Shashe	Masvingo	43	110,140	11,700	GoZ
1995	Mvebi	Squatodzi	Mash. West	20	1,800	220	Private
1971	Mwarazi	Mwarazi	Manicaland	31	6,420	890	GoZ
1970	Mwenje Ii	Mwenje	Mashonaland	36	42,030	4,760	GoZ
1958	Mzingwane	Mzingwane	Matabeleland	38	57,000	4,560	City of Bulwayo
1943	Ncema	Ncema	Matabeleland	51	18,240	1,520	City of Bulawayo
1996	Negomo	Ruya	Mashonaland	25	5,000		GoZ
1993	New - Creagorry	Munenga	Mashonaland	24	9,130		Private
1979	Ngezi	Ngesi	Midlands	52	74,000	5,650	GoZ
1945	Ngezi	Ngezi	Mashonaland	22	26,800	5,800	GoZ
1967	Ngondoma	Ngondoma	Midlands	22	7,500	1,980	GoZ
1996	Nora	Nora	Mash. East	27	5,230	630	Private
1995	Norfolk	Changa	Mashonaland	17	3,000		Private Syndicate
1979	Nova Doma	Kamorirare	Mashonaland	22	1,810		Private
1996	Nyadora	Nyadora		23	2,760		B&K Estates
1961	Nyajena	Mutirikwi	Masvingo	15	11,050		GoZ
1995	Nyamafufu	Nyamafufu	Midlands	21	11,000	2,390	GoZ
1992	Nyamagodo	Nyamakovera	Mashonaland	18	2,160	360	Private
1975	Nyamaropa	Nyaruwaka/T	Manicaland	21	1,625	270	GoZ
1995	Nyamurungu	Nyamarungu	Manicaland	18	5,300	1,430	Private
1961	Nyajena	Mutirikwi	Masvingo	15	11,050		GoZ
1995	Nyamafufu	Nyamafufu	Midlands	21	11,000	2,390	GoZ
1992	Nyamagodo	Nyamakovera	Mashonaland	18	2,160	360	Private
1985	Nyapi	Msenji	Mashonaland	25	6,500		Private

Source: ZINWA

Table Error! No text of specified style in document.**.12(continued): Hydrological Characteristics**

Year of Completion	Dam Name	River	Region	Depth of Dam (m)	Reservoir Capacity (10^3 m3)	Area of Reservoir (m2)	Owner
1985	Nyatare	Nyatare	Masvingo	16	3,000	750	GoZ
1994	Nyava	Nora	Mashonaland	20	2,300	440	GoZ
1996	Nyawamba	Nyawamba	Manicaland	30	17,024	1,572	Private
1987	Nyedzi	Bubjana	Matabeleland	17	4,600		Private
-	Nzvimbo	Munwanzou	Mashonaland	20	1,700	290	GoZ
1993	Osborne	Odzi	Manicaland	67	400,900	25,000	GoZ
-	Padres Pool	Kwekwe	Midlands	18.8	3,200	655	ZINWA
1970	Pampoen Poort	Koce	Matabeleland	22	8,550	1,400	Private
1995	Penrose	Aliatswa	Mash. Central	21	1,800	350	Private
1968	Pioneer	Umtsabezi	Matabeleland	16	10,910		Private
1968	Ranga	Sebakwe	Midlands	15	3,900	1,090	GoZ
1985	Rarie	Susuje	Mashonaland	20	3,300	650	Private
1985	Ratelshoek	Chibudzana	Manicaland	26	2,920	400	Private
1964	Ripple Creek	Bubye	Matabeleland	18	4,060	2,650	Private
1991	Roswa	Roswa	Masvingo	22	3,100	480	GoZ
1997	Royal Visit	Mafuri	Manicaland	28	5,490		Private
1985	Rufaro	Nyambuya	Mashonaland	28	5,500	820	GoZ
2001 1976	Ruti	Nyazvidzi	Masvingo	34	151,600	17,150	GoZ
1975	Sable	Rusawi	Mashonaland	14	5,000		Private
1992	Safari	Wenimbi	Mashonaland	17	10,261	2,480	Private
1984	Saruwe	Saruwe	Mashonaland	22	13,000	2,230	Private
1989	Scorror	Chinekwa	Mashonaland	17	13,500		Private
1957	Sebakwe	Sebakwe	Midlands	47	265,730	23 000	GoZ
1997	Seke		Midlands	17	6,000		Private
1994	Serui Chingford	Serui	Mashonaland	15	3,200		Private
1972	Shangani	Shangani	Midlands	27	14,430	3 120	GoZ
1992	Sharon	Setorwe	Mashonaland	20	1,745	270	Private
1992	Shashani	Shashani	Matabeleland	33	27,920	4 030	GoZ
-	Sholliver	Dondo	Mashonaland	16	4,530	1 030	Private
1995	Shubara	Angwa	Mashonaland	18	9,000	180	Private Syndicate
1973	Shurugwi	Impali	Midlands	18	2,270	320	GoZ
1967	Silalabuhwa	Insiza	Matabeleland	30	23,450	4 050	GoZ
1991	Siwazi	Siwazi	Matabeleland	16	2,400	680	GoZ
1976	Siya	Turgwe	Masvingo	66	109,000	8 100	GoZ
1989	Smaldeel	Shenekwa	Manicaland	30	3,600	392	Private
1985	Smallbridge	Odzani	Manicaland	30	15,300	1 750	GoZ
1998	Solusi University	Luhumbe	Mat.North	15	2,000	41	Private
1989	Sovelele	Soveli	Matabeleland	17	5,000		Private
1997	Seke		Midlands	17	6,000		Private
1994	Serui Chingford	Serui	Mashonaland	15	3,200		Private
1972	Shangani	Shangani	Midlands	27	14,430	3 120	GoZ
1992	Sharon	Setorwe	Mashonaland	20	1,745	270	Private
1992	Shashani	Shashani	Matabeleland	33	27,920	4 030	GoZ
-	Sholliver	Dondo	Mashonaland	16	4,530	1 030	Private
1986	Strathlorne	Umwindsi	Mashonaland	22	4,800	1 040	Private
1971	Suri Suri	Suri Suri	Mashonaland	17	9,090	2 130	GoZ

Source: ZINWA

Table Error! No text of specified style in document.**.13(continued): Hydrological Characteristics**

Year of Completion	Dam Name	River	Region	Depth of Dam (m)	Reservoir Capacity (10^3 m3)	Area of Reservoir (m2)	Owner
1997	Susuje	Susuje	Mash. West	26	28,000	3 940	Private
1995	Tchinungu	Marirangwe	Mashonaland	16	3,800	1 100	Private
1992	Tengwe	Tengwe	Mashonaland	19	9,000	1 840	Private
1967	Thornville	Sibakatzi	Matabeleland	22	3,450	1 010	Private
1999	Tingamira (Jupieter)	Chipita	Manicaland	23	1,000	157	Private
1991	Tokwane	Tokwe	Masvingo	29	14,300	2 300	Private
1965	Tokwe Weir	Tokwe	Masvingo	16	9,820	3 450	Triangle Estates Ltd
1992	Tre Pol & Pen	Munene	Mashonaland	20	3,321	410	Private
1997	Tsatsi	Tsatsi	Mashonaland	25	12,000	1 880	Private
1997	Tshankwa	Tshankwa	Matabeleland	15	2,600	650	GoZ
1988	Tugwane	Tugwane	Masvingo	17	3,200	570	Private
1967	Tuinplaats	Dora	Mashonaland	20	1,590	350	Private
1966	Tuli Makwe	Tuli	Matabeleland	31	8,330	1 660	GoZ
1982	Two Tree	Munwa	Mashonaland	21	14,300		Private
1983	Umrodzi	Umrodzi	Mashonaland	24	19,600	3 200	Private
1992	Una	Welton	Mashonaland	18	3,180	51	Private
1968	Upper Insiza	Insiza	Matabeleland	23	9,130	2 500	GoZ
1973	Upper Ncema	Ncema	Matabeleland	36	45,460	7 690	City of Bulawayo
1947	Upper Umgusa	Umgusa	Matabeleland	16	3,040	770	GoZ
1997	Valley	Mwewe	Matabeleland	22	5,880		GoZ
1999	Vermont	Chipita/T	Manicaland	30	1,168	135	Private
1992	Viewfield	Mutuwa	Mashonaland	21	819		Private
1986	Vureneme	Vureneme	Mashonaland	21	1,100		Private
1986	Walton	Munzi	Mashonaland	21	5,200	1 200	Private
1998	Wapley	Msengezi	Mash. Central	27	5,000	580	Private
1992	Waterhead	Nyamakovera	Mashonaland	23	3,839	501	Private
1996	Weardale	Chinyika	Mash. East	16	2,000	490	Private
-	Wenimbi	Wenimbi	Mashonaland	31	21,260		GoZ
1948	Whitewaters	KweKwe	Midlands	15	4,790	1 520	City of Gweru
1994	William Laurie	Garamapudzi	Mashonaland	28	20,000	288	Private
1978	Woodlands	Munendi	Masvingo	17	2,500		GoZ
1993	Yomba	Musongwa	Mashonaland	22	2,250	960	Private
1986	Zanadu	Garamapudzi	Mashonaland	16	3,000		Private
1995	Zhove	Muzingwane	Matabeleland	26	133,000		GoZ
1987	Zineve	Msevi	Masvingo	17	9,275	240	Private
1998	Zonwe	Zonwe	Manicaland	25	5,563	360	Private
1995	Chawora	Muzare	Mashonaland	18	1,150	300	Private
1995	Chibuli (2)		Mashonaland	17	1,000	190	Private
-	Lee	Nyamujara	Manicaland	18	1,230		Private
-	Norfolk	Nyagui	Mashonaland	16	1,330		Private
1997	Kireka	Mavare/T	Mashonaland	20	1,308		Private
1998	Chipiri Ii	Dora/T	Mash.Central	15	450	14	Private
1998	Chirunje	Dora/T	Mash.Central	16	1,130	31	Private
1997	Nyazura		Manicaland	19	1,710	33	Private
	Nyamanyoko	Nyamanyoko	Mash. West	19	1,830	37	Private

Source: ZINWA

Table Error! No text of specified style in document..**12: Water Supply**

Category	2014	2015	2016	2017	2018	2019	2020	2021
Gross freshwater supplied by water supply industry (ISIC 36)	6 416	4 815	5 807	6 367	4 972	2 820	4 791	5 261
Losses during transport by ISIC 36	2 566	1 926	2 323	2 547	1 989	1 128	1 916	2 104
Net freshwater supplied by water supply industry (ISIC 36)	3 849	2 889	3 484	3 820	2 983	1 692	2 874	3 157
of which supplied to:								
Households	2 695	2 022	2 439	2 674	2 088	1 185	2 012	2 210
Agriculture, forestry and fishing (ISIC 01-03)	0	0	0	6	0	0	0	0
Mining and quarrying (ISIC 05-09)	0	0	0	0	0	0	0	0
Manufacturing (ISIC 10-33)	770	578	697	764	597	338	575	631
Electricity, gas, steam and air conditioning **supply (ISIC 35)**	0	0	0	9	0	0	0	0
Of which: Electric power generation, transmission and distribution (ISIC 351)	0	0	0	10	*0*	0	0	0
Construction (ISIC 41-43)	31	23	28	31	24	14	23	25
Other economic activities	0	0	0	0	0	0	0	0

Source: ZINWA

Type of soils

Table Error! No text of specified style in document.**.14: Zimbabwe Soils**

Zimbabwe Soils			
Province	**Soil order**	**Soil group**	**Soil coverage (Ha)**
Mashonaland Central	Kaolinitic	Fersiallitic	1 559 339
		Paraferallitic	134 659
		Orthoferallitic	50 621
	Calcimorphic	Vertisols	15 504
		Siallitic	744 797
Mashonaland West	Armomic	Lithosols	312 005
	Kaolinitic	Fersiallitic	2 850 471
		Paraferallitic	2 315
	Calcimorphic	Vertisols	7 009
		Siallitic	589 303
	Armomic	Regosols	46 870
		Lithosols	1 805 639
	Natric	Sodic	272 383
Midlands	Kaolinitic	Fersiallitic	2 893 690
		Paraferallitic	232 916
	Calcimorphic	Vertisols	76 598
		Siallitic	1 005 921
	Armomic	Regosols	568 016
		Lithosols	382 186
Masvingo	Kaolinitic	Fersiallitic	2 533 789
		Paraferallitic	157 542
		Orthoferallitic	178 109
	Calcimorphic	Vertisols	516 373
		Siallitic	1 536 653
	Armomic	Regosols	147 262
		Lithosols	579 486
	Natric	Sodic	819
Matabeleland North	Kaolinitic	Fersiallitic	513 709
	Calcimorphic	Vertisols	57 806
		Siallitic	1 440 863
	Armomic	Regosols	3 745 341
		Lithosols	1 675 354
Matabeleland South	Kaolinitic	Fersiallitic	2 643 430
	Armomic	Regosols	144 099
		Lithosols	1 825 499
	Calcimorphic	Vertisols	45 395
		Siallitic	715 466
	Natric	Sodic	31 109
Manicaland	Kaolinitic	Fersiallitic	1 784 344
		Paraferallitic	225 734
		Orthoferallitic	916 652
	Calcimorphic	Vertisols	108 269
		Siallitic	312 384
	Armomic	Lithosols	230 047
	Natric	Sodic	2 054
Mashonaland East	Kaolinitic	Fersiallitic	2 039 114
		Paraferallitic	794 266
		Orthoferallitic	190 971
	Calcimorphic	Vertisols	31 335
		Siallitic	109 008
	Armomic	Lithosols	21 529
		Regosol	20 007
Harare	Kaolinitic	Fersiallitic	51 362
		Paraferallitic	43 210
	Kaolinitic	Fersialitic	19 710.90
Bulawayo	Calcimorphic	Siallitic	34 855.87

Source: Environmental Management Agency

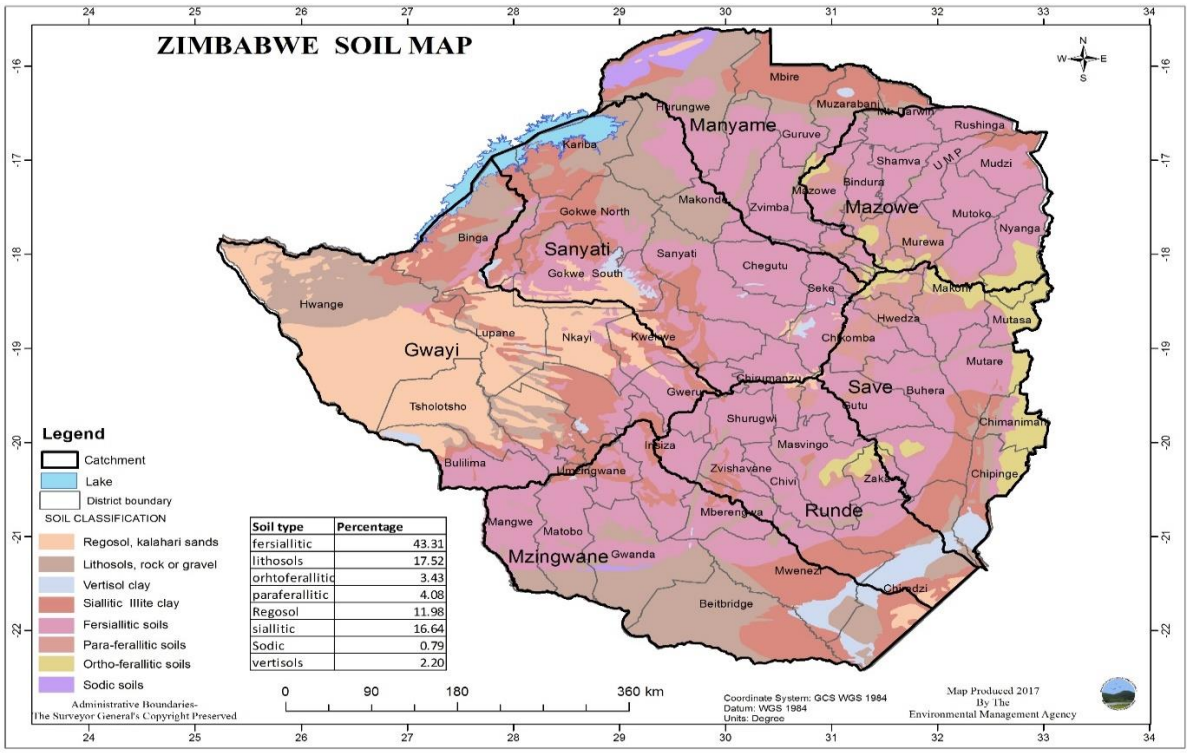

*Figure **Error! No text of specified style in document.**.2: Distribution of soils in Zimbabwe*

Land cover

Table Error! No text of specified style in document..**15: Land Cover in hectares by year**

	1992		2020		2023	
Class	**Value**	**Percent**	**Value**	**Percent**	**Value**	**Percent**
Natural moist	11 477	0.03	8 711.03	0.02	8711.03	0.022
Plantation Forest	155 297	0.4	192 314.03	0.49	349473.58	0.894
Woodland	20 790 234	53.2	15 043 904.62	38.36	15365180.41	39.315
Bushland	4 972 071	12.72	8 894 506.44	22.68	6361134.75	16.276
Wooded grassland	1 204 666	3.08	366 306.60	0.93	4803304.07	12.290
Grassland	689 186	1.76	1 701 688.20	4.34	1192984.56	3.052
Cultivation	10 738 945	27.48	12 093 549.68	30.83	9492418.81	24.288
Rock outcrop	78 707	0.2	307 586.93	0.78	368099.59	0.942
Waterbody	298 089	0.76	416 624.62	1.06	648445.19	1.659
Settlement	139 341	0.36	196 528.90	0.5	492740.09	1.261

Source: Forestry Commission

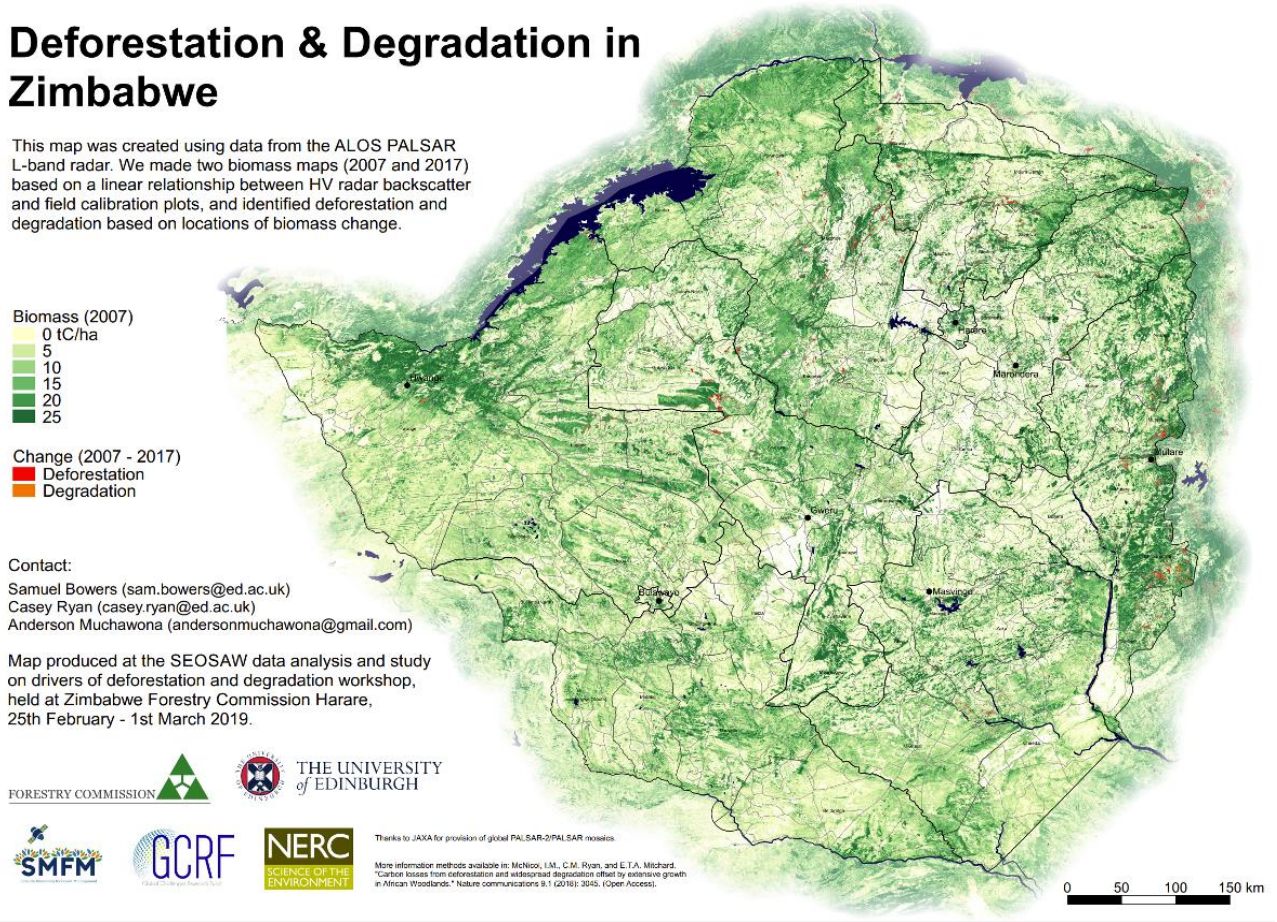

*Figure **Error! No text of specified style in document.**.3: Deforestation and Degradation*

Source: Forestry Commission

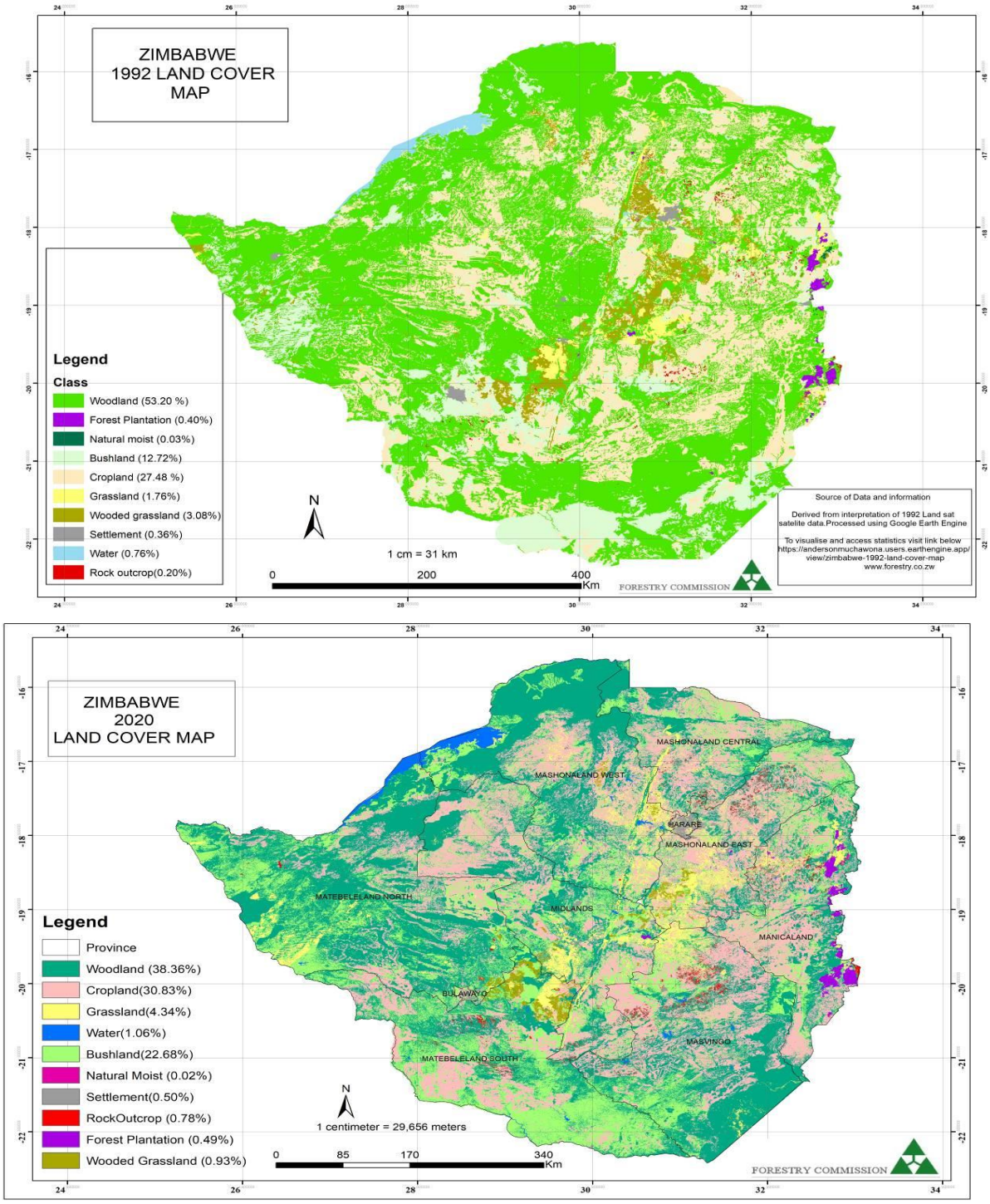

*Figure **Error! No text of specified style in document.**.4: Landcover*
Source: Forestry Commission

Table Error! No text of specified style in document..16: Forestry Plantation Area, 2021.

Purpose	Species	Area(ha)	Species percent area within purpose	Total (ha)	Percent area across purposes
	Pines	47 040	96		
Saw-plogs	Eucalyptus	1 808	4	48 848	55
	Eucalyptus	9 912	95		
Poles	Pines	551	5	10 463	12
Pulpwood	Eucalyptus	1 140	100	1 140	1
	Eucalyptus	22 383	94		
Firewood	Wattle	1 358	6	23 740	26
Charcoal	Wattle	4 971	100	4 971	6
Total				**89 162**	**100**

Source: Timber Producers Federation

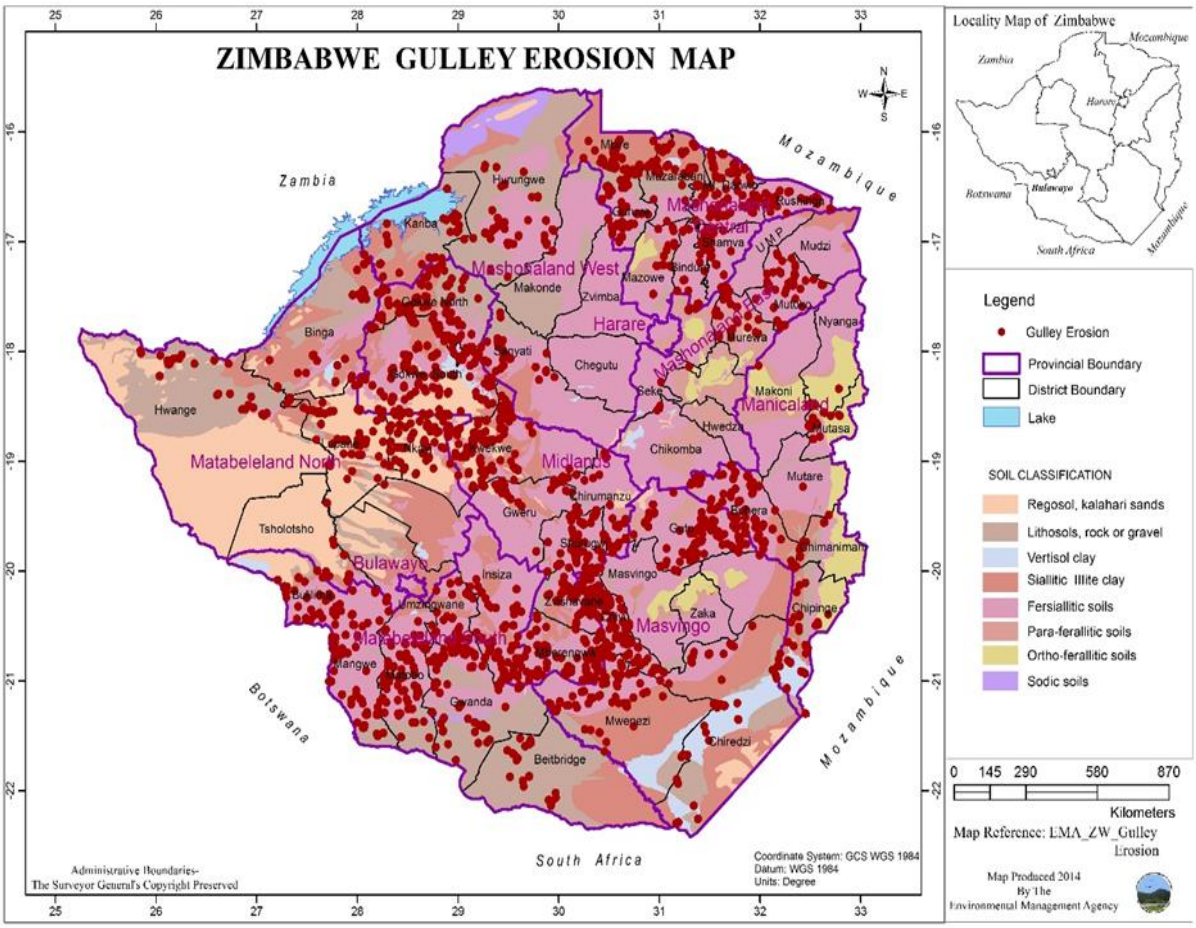

*Figure **Error! No text of specified style in document.**.5: Gulley Erosion in Zimbabwe*

Source: Environment Management Agency

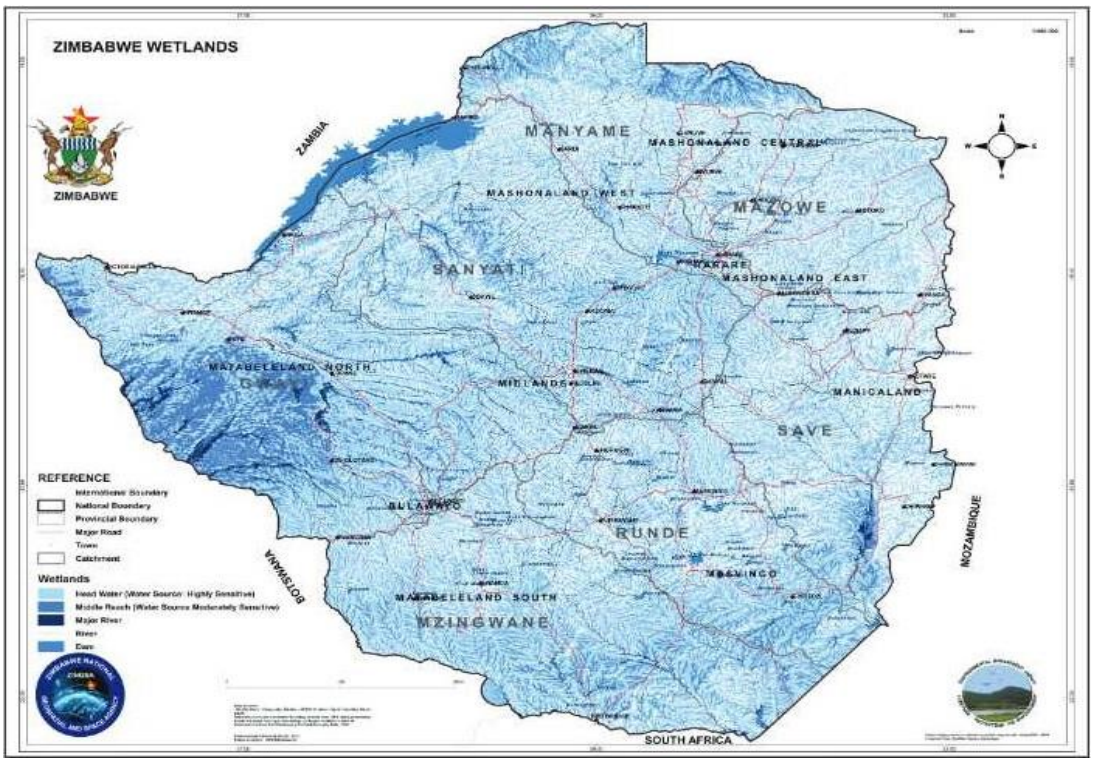

Figure ***Error! No text of specified style in document.****.6: Zimbabwe National Wetlands based on the wetland position in the geomorphological and topographical landscape, 2022.*
Source: Environmental Management Agency

Water quality

Water quality is monitored through the following methods: physical, chemical, and biological.

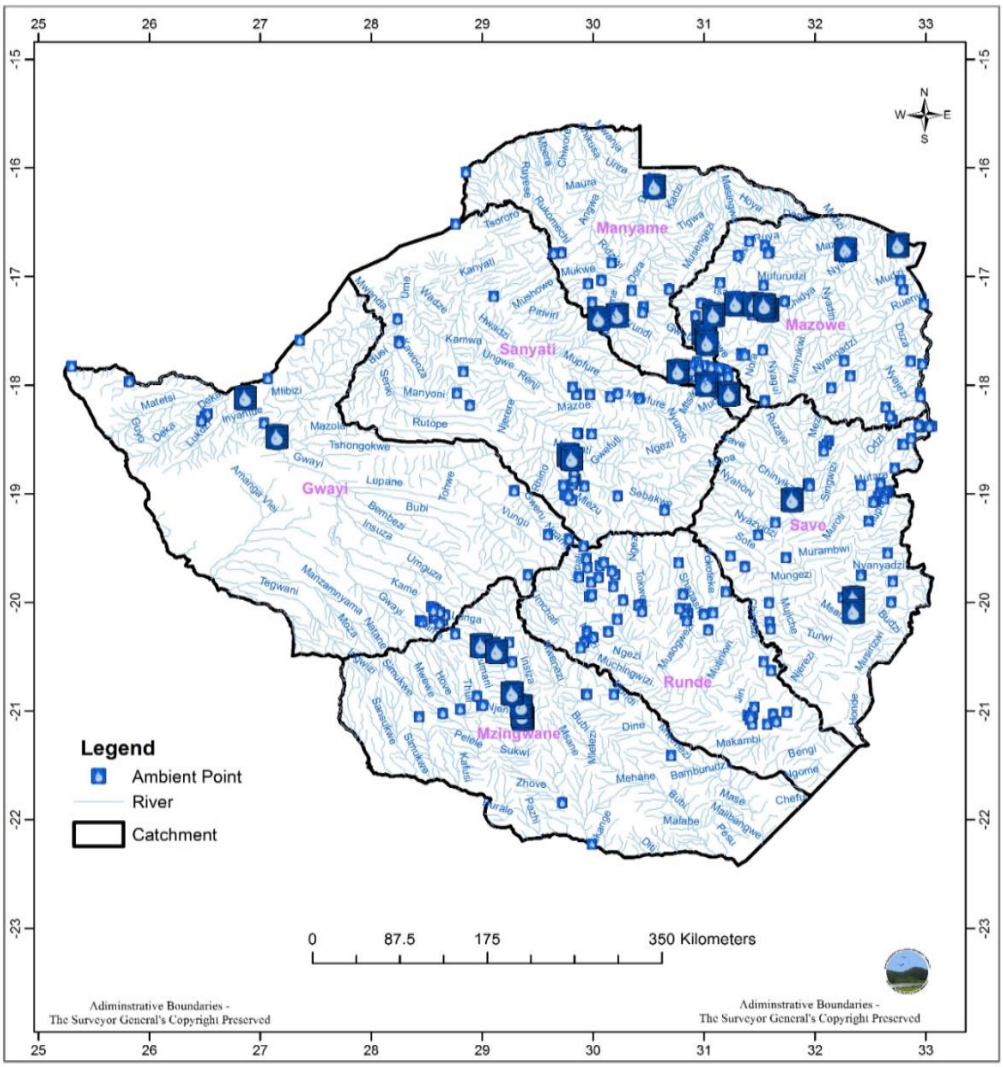

*Figure **Error! No text of specified style in document.**.7: Ambient Water Quality Monitoring Points*

Source: Environment Management Agency

Table 1.12: Gwayi Ambient Monitoring

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				15	1	30	0	0	10	6.0-7.5	1	100	0
Blue limit (Normal)				30	1	60	1	0	10	6.0-9.0	1	250	1
Unit of measurement				mg/l	mg/l Cu	mg/l	mg/l Fe	mg/l Ni	mg/l N		mg/l P	mg/l SO_4	mg/l Zn
Gwayi	MTN29	2017	April	<2	<0.01		0.47	<0.01	0.21	7.78	0.02	3	0.03

River	Point	Year		BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	Ni	NO_3	pH	PO_4
Gwayi	MTN29	2017	Jun	<2	77.6	260	0.65	<0.01		0.22	7.5	0.04
Gwayi	MTN29		July	<2	72.6	305	0.36	<0.01		0.19	7.15	0.03
Gwayi	MTN29	2018	Feb	3.77	99.1	169	0.05	2.16		0.21	8.55	0.14
Gwayi	MTN29		Mar	<2.00	69.6	147	2.99	0.17		0.37	7.67	0.11
Gwayi	MTN29		May	10.45	54.1	195	2.81	0.01		0.66	7.72	0.15
Gwayi	MTN29		Dec	<2.00	44.3	3550	63.8	0.55		14.81	2.98	
Gwayi	MTN29	2022	Feb	<2.00	40.6	175	0.5Month0	<0.01		1.21	7.9	0.08
Gwayi	MTN29		Jun		71.8	296	0.26	0.05		0.62	7.86	0.19
Gwayi	MTN29		Jul	<2.00	82	296	3.51	0.06		0.45	6.39	0.22

River	Point	Year	Month	BOD	COD	Cu	Fe		Ni	NO3	pH	PO4	SO4	Zn
Blue limit (Sensitive)														
Blue limit (Normal)														
Unit of measurement				mg/l	Saturation	mg/l	mg/l Fe	mg/l MN		mg/l N		mg/l P		
Gwayi	MTN30	2017	January	55		9	<0.01		<0.01	1.63	7.35	1.51	8	0.02
Gwayi	MTN30	2018	February	<2.00	97.2	209	3.63	0.04		0.92	8.18	0.06		
Gwayi	MTN30		March	<2.00	96	128	1.73	0.05		1.61	7.64	0.04		
Gwayi	MTN30		June	16.35	74.2	448	0.22	0.02		0.16	6.64	<0.01		
Gwayi	MTN30	2019	March	<2.00	59.4	232	1.21	0.2		0.36	8.31	0.04		
Gwayi	MTN30		April	<2.00	59.4	232	1.21	0.2		0.36	8.31			
Gwayi	MTN30	2020	March	<2.00	73.1	159	0.16	0.1		0.34	7.36	0.34		
Gwayi	MTN30		October	<2.00	103.5	148	<0.01	0.06		0.61	8.07	0.02		

Source: Environmental Management Agency,

Table 1.12: Gwayi Ambient Monitoring

River	Point	Year	Month	BOD	Cu	COD	**Fe**	Ni	NO3	pH	PO4	SO4	Zn
Gwayi	MTN30	2021	March	24.76	73.3	160	**0.41**	<0.01	0.3	8.47	<0.01		
River	**Point**	**Year**	**Month**	**BOD**	**Dis**	**E. Conductivity**	**Fe**	**MN**	**NO_3**	**pH**	**PO_4**		
Blue limit (Sensitive)													
Blue limit (Normal)													
Unit of measurement				mg/l	Saturation	mg/l	mg/l Fe	mg/l MN	**Ni** mg/l N		mg/l P		
Gwayi	MTN30		May	16.81	63.2	66	0.17	0.02	0.23	7.07	0.13		
Gwayi	MTN30	2022	February	<2.00	46.2	188	0.39	<0.01	1.03	7.41	0.11		
Gwayi	MTN30		March	<2.00	57.6	270	1.3	0.03	0.43	7.16	0.1		
Gwayi	MTN30		April	<2.00	89.4	165	0.16	<0.01	0.34	7.66	0.1		
Gwayi	MTN30		May	3.63	88.9	205	<0.01	0.03	0.52	7.5	0.06		
Gwayi	MTN30		June		71.8	296	0.26	0.05	0.62	7.86	0.19		
Gwayi	MTN30		July	<2.00	75.1	250	0.5	0.05	0.31	6.36	0.21		
Gwayi	MTN30		September	10.37	72.5	267	<0.01	<0.01	0.28	7.69	<0.01		
Gwayi	MTN30		October	<2.00	56.9	365	<0.01	<0.01	0.18	7.12	0.14		

Source: Environmental Management Agency,

Table Error! No text of specified style in document.**.17: Manyame River Ambient Monitoring points**

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO3	pH	PO4	SO4	Zn
Blue limit (Sensitive)				15	1	30	0	0	10	6.0-7.5	1	100	0
Blue limit (Normal)				30	1	60	1	0	10	6.0-9.0	1	250	1
Unit of measurement				mg/l	mg/l Cu	mg/l	mg/l Fe	mg/l Ni	mg/l N	mg/l P		mg/l SO4	mg/l Zn
Manyame	CR28	2017	Jan			62		<0.01	<0.01	2.07	7.33	1.07	203	<0.01
Manyame	CR28		Feb		28			<0.01	<0.01	1.27	7.7	0.15	76	<0.01
Manyame	CR28		March			<0.01		0.25	<0.01	1.3	7.91	0.11	21	<0.01
Manyame	CR28		April		<2	<0.01		<0.01	<0.01	1.04	7.59	0.18	23	<0.01
Manyame	CR28		May		9.42	<0.01	146	0.26	<0.01	0.78	8.14	0.09	12	<0.01

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO3	pH	PO4
Manyame	CR28	2017	June	<2	69.7	326	1.01	0.14	0.94	7.76	0.03
Manyame	CR28		July	8.21	62.8	384	0.44	0.32	0.92	7.59	0.05
Manyame	CR28		August	19.98	80.7	356	0.13	0.03	0.75	7.23	0.14
Manyame	CR28		September	<2.00	56.1	370	<0.01	0.16	0.72	7.44	0.39
Manyame	CR28		October	4.16	64.6	381	0.28	0.08	0.92	7.67	0.9
Manyame	CR28		November	<2.00	87.7	371	2.54	0.28	1.65	6	0.63
Manyame	CR28		December	27.66	52.8	385	0.79	0.43	0.3	6.79	0.17
Manyame	CR28	2018	January	100.55	89	442	0.9	0.23	0.67	7.46	0.05
Manyame	CR28		February	32.36	88.8	362	1.19	<0.01	0.6	7.48	0.67
Manyame	CR28		March	<2.00	104	326	0.09	<0.01	0.64	7.48	0.46
Manyame	CR28		April	23	85.4	272	0.21	0.09	0.46	8.32	0.32
Manyame	CR28		May	<2.00	69.4	289	4.31	0.87	1.2	7.74	0.23
Manyame	CR28		June	<2.00	77.9	300	1.93	0.69	1.11	7.19	0.17
Manyame	CR28		July	9.29	92.7	321	0.04	0.11	0.99	7.36	0.06
Manyame	CR28		August	4.02	81.4	342	0.01	0.16	2.05	7.54	0.16

Source: Environmental Management Agency

Table 1.16: (continued) Manyame River Ambient Monitoring points

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO3	pH	PO4
Manyame	CR28		Sept	<2.00	59.5	345	1.19	0.02	1.73	7.75	0.66
Manyame	CR28		October	17.73	43.6	362	3.19	1.3	2.46	7.33	4.15
Manyame	CR28		November	0.78	67.4	376	0.35	0.14	0.59	8.36	14.93
Manyame	CR28		December	10.17	61.4	362	<0.01	0.15	0.35	7.35	-
Manyame	CR28	2019	January	6.51	64	372	0.4	0.06	0.52	6.57	-
Manyame	CR28		February	13.53	64.6	395	0.04	0.27	0.68	7.11	0.68
Manyame	CR28		March	<2.00	53.1	422	<0.01	0.33	0.46	7.54	1.43
Manyame	CR28		April	10.71	58.2	430	0.31	0.09	0.54	6.98	0.04
Manyame	CR28		May	2.42	65.5	477	<0.01	0.18	0.72	7.87	2.37
Manyame	CR28		July	9.46	58.2	485	0.15	0.34	1.56	6.88	0.17
Manyame	CR28		August	7.95	71.5	491	0.56	0.08	1.72	8.26	3.34
Manyame	CR28		October	6.31	50.8	563	<0.01	0.08	1.12	7.71	1.43
Manyame	CR28		November	7.01	65.5	561	0.2	0.13	1.04	7.06	1.07
Manyame	CR28		December	<2.00	63.8	544	<0.01	0.09	1.12	7.22	1.04
Manyame	CR28	2020	January	2.66	22.7	211	1.23	0.01	0.49	7.25	0.18
Manyame	CR28		February	19.13	70.2	508	<0.01	<0.01	0.7	7.65	0.86
Manyame	CR28		March	<2.00	88.1	504	0.22	<0.01	1	7.59	0.61
Manyame	CR28		June	12.16	90.5	573	4.26	0.24	1.11	7.14	2
Manyame	CR28		July	7.62	77	624	0.05	0.14	1.25	7.83	0.47
Manyame	CR28		August	3.53	83	591	<0.01	<0.01	1.16	7.66	2.39
Manyame	CR28		November	<2.00	91.3	659	<0.01	0.02	0.31	7.4	0.31
Manyame	CR28		December	9.51	64.7	656	<0.01	<0.01	1.13	7.72	2.03
Manyame	CR28	2021	January	<2.00	48.5	671	<0.01	0.13	1.73	7.51	2.92
Manyame	CR28		February	20.71	71.8	603	0.03	0.06	0.99	7.76	0.37
Manyame	CR28		March	5.69	70.4	496	0.74	0.14	0.97	7.37	0.75
Manyame	CR28		April	10.5	70.2	502	0.11	0.19	0.62	7.5	0.16
Manyame	CR28		May	<2.00	99.2	454	2.35	0.53	0.88	6.88	0.49
Manyame	CR28		June	7.84	66.2	511	0.39	0.31	2.96	7.21	0.62
Manyame	CR28		July	9.39	61.6	566	0.96	0.13	108.2	7.02	13.16

Source: Environment Management Agency

Table 1.16: (continued) Manyame River Ambient Monitoring points

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO3	pH	PO4	SO4	Zn
Manyame	CR28		August	<2.00	65.3	611	0.41	0.13	1.38	7.17	0.09		
Manyame	CR28		September	12.35	60.8	630	0.25	0.18	1.1	7.24	<0.01		
Manyame	CR28		October	5.76	53.4	503	0.21	0.05	0.97	6.9	1.23		
Manyame	CR28		November	9.79	36.2	519	<0.01	0.08	0.96	6.74	1.94		
Manyame	CR28	2022	January	<2.00	61.8	713	0.31	0.09	0.71	7.25	2.17		
Manyame	CR28		February	<2.00	75.4	712	0.06	0.04	1.57	7.46	1.23		
Manyame	CR28		March	<2.00	51.1	706	0.41	0.16	0.59	7.52	0.22		
Manyame	CR28		April		75.3	607	0.02	0.23	1.04	6.18	0.34		
Manyame	CR28		May	<2.00	74.4	591	<0.01	0.02	1.11	7.04	0.13		
Manyame	CR28		July	7.68	97.7	596	0.01	0.02	1.83	7.13	0.28		
Manyame	CR28		August	<2.00	91.3	612	0.18	0.12	1.8	7.06	0.87		
Manyame	CR28		September	<2.00	53	601	0.52	0.43	0.88	7.23	2.05		
Manyame	CR28		October	<2.00	59	944	<0.01	0.2	0.71	7.22	2.07		
Manyame	CR31	2017	Jan		44	0.02	<0.01	0.02	0.97	7.56	0.02	66	0.18
Manyame	CR31		Feb			<0.01	0.02	<0.01	0.52	7.79	0.01	47	<0.01
Manyame	CR31		Mar			<0.01	0.01	0.02	0.49	7.92	0.02	7	<0.01
Manyame	CR31		Mar	<2		<0.01	0.2	<0.01	0.58	8.45	0.01	7	<0.01
Manyame	CR31		Apr	<2		<0.01	0.08	<0.01	0.68	7.79	0.02	20	<0.01
Manyame	CR31	2017	Jan		44	0.02	<0.01	0.02	0.97	7.56	0.02	66	0.18
Manyame	CR31	2017	May	<2	65	239	0.16	0.03	0.46	7.47	<0.01		
Manyame	CR31		June	<2	80.2	323	0.18	<0.01	0.86	8	0.04		
Manyame	CR31		July	<2	57.5	325	0.14	<0.01	0.61	7.83	0.07		
Manyame	CR31		Aug	<2	68.4	360	0.06	<0.01	1.86	7.97	0.3		
Manyame	CR31		Sept	<2.00	70.6	378	0.1	<0.01	1.56	7.68	0.37		
Manyame	CR31		Oct	<2.00	62.1	333	0.18	<0.01	0.99	7.19	0.32		
Manyame	CR31		Nov	3.07	67.4	321	0.58	0.01	1.32	6.67	0.13		
Manyame	CR31		Dec	22.63	54.2	380	<0.01	<0.01	0.7	7.53	0.32		
Manyame	CR31	2019	Jan	<2.00	63.8	378	0.3	0.03	1.97	7.61	0.18		
Manyame	CR31		Feb	<2.00	33.2	431	<0.01	0.1	0.8	7.92	0.89		

Environment Management Agency

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Table Error! No text of specified style in document.**.18 (continued): Manyame River Ambient Monitoring points**

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO3	pH	PO4	SO4	Zn
Blue limit (Sensitive)				15	1	30	0	0	10	6.0-7.5	1	100	0
Blue limit (Normal)				30	1	60	1	0	10	6.0-9.0	1	250	1
Unit of measurement				mg/l	mg/l Cu	mg/l	mg/l Fe	mg/l Ni	mg/l N		mg/l P	mg/l SO4	mg/l Zn
Manyame	CR31		Apr	5.18	48.4	412	0.46	0.1	1.56	7.91	0.34		
Manyame	CR31		May	13.6	68.6	389	<0.01	<0.01	1.53	7.64	0.37		
Manyame	CR31		June	2.1	49.3	390	0.16	<0.01	0.72	7.42	0.26		
Manyame	CR31		July	<2.00	64.3	421	0.01	0.04	1.75	7.42	0.1		
Manyame	CR31		Sept	9.19	31.4	415	<0.01	<0.01	1.86	8.41	0.31		
Manyame	CR31	2020	Dec	18.43	55.8	1084	0.04	0.45	0.28	7.59	<0.01		
Manyame	CR31	2021	Feb	<2.00	84.5	657	<0.01	0.01	0.29	8.3	0.04		
Manyame	CR31		Apr	3.16	104.4	206	0.11	0.02	0.27	8.24	0.05		
Manyame	CR31		Sept	<2.00	64.4	574	0.08	<0.01	0.51	7.46	<0.01		
Manyame	CR32	2017	January		<0.01	43	<0.01	1.05	7.51	6.02	65	438	<0.01
Manyame	CR32		February	<0.01			0.03	0.54	7.7	1.37	0.06	43	<0.01
Manyame	CR32		March		<0.01		<0.01	0.03	0.51	7.88	0.03	10	<0.01
Manyame	CR32		April	<2	<0.01		0.07	<0.01	0.74	7.62	0.03	15	<0.01

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO3	pH	PO4
Manyame	CR32	2017	May	<2	64.2	248	0.16	<0.01	0.69	7.7	0.04
Manyame	CR32		June	<2	69.9	298	0.09	<0.01	0.78	7.69	0.09
Manyame	CR32		July	<2	64.6	318	0.21	0.04	0.8	7.89	0.08
Manyame	CR32		August	<2	65.9	397	0.04	0.01	0.17	8.37	0.29
Manyame	CR32		September	<2.00	69.5	368	0.1	0.02	1.38	7.28	0.39
Manyame	CR32		October	<2.00	62.2	255	0.23	<0.01	1.27	7.78	0.28
Manyame	CR32		November	2.78	84.1	324	0.31	0.03	2.47	7.3	0.19
Manyame	CR32		December	21.02	51.6	1016	0.04	0.65	0.26	7.41	0.48
Manyame	CR32	2019	February	3.96	62.4	379	0.26	<0.01	1.85	7.74	0.28
Manyame	CR32		March	17.79	38.7	431	0.06	0.5	0.84	8.13	0.45
Manyame	CR32		April	5.67	45.7	414	0.46	0.08	1.53	7.86	0.24
Manyame	CR32		May	19.2	62.7	407	<0.01	<0.01	1.37	6.81	0.35
Manyame	CR32		June	2.1	49.3	390	0.16	<0.01	0.72	7.42	0.26
Manyame	CR32		July	<2.00	51.5	403	0.03	0.03	2.05	7.45	0.22
Manyame	CR32		September	10.73	37.1	400	<0.01	<0.01	1.31	8.3	0.22

Source: Environment Management Agency

Table Error! No text of specified style in document.**.19 (continued): Manyame River Ambient Monitoring points**

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO3	pH	PO4	SO4	Zn
Manyame	CR32	2020	May		77.2	450	<0.01	0.03	1.71	7.28	0.26		
Manyame	CR32		June	15.96	85.8	419	<0.01	0.01	1.82	8.09	0.07		
Manyame	CR32		July	14.29	103	437	0.05	<0.01	1.65	8.3	0.02		
Manyame	CR32		August	<2.00	102	423	<0.01	0.01	2.04	6.99	0.26		
Manyame	CR32		September	8.9	93	404	<0.01	0.02	1.06	7.89	<0.01		
Manyame	CR32		November	<2.00	97.4	476	<0.01	0.14	1.21	7.24	0.48		
Manyame	CR32		December	13.6	61.9	1071	0.03	0.8	0.25	7.81	<0.01		
Manyame	CR32	2021	February	31.66	13.7	644	0.34	0.61	0.3	7.85	0.01		
Manyame	CR32		April	<2.00	103.8	206	0.16	0.03	0.4	7.65	0.17		
Manyame	CR32		July	24.79	43.8	392	0.03	0.04	1.45	6.75	0.36		
Manyame	CR32	2022	August	13.51	38.5	423	0.13	0.03	0.93	8.66	0.2		
Manyame	CR32		September	<2.00	52.6	547	<0.01	<0.01	1.33	7.34	0.12		
Manyame	CR32		October	<2.00	39.6	318	<0.01	0.01	0.86	7.2	0.11		
Manyame	CR71	2017	February		<0.01		0.38	<0.01	1.06	7.46	0.06	3	<0.01
Manyame	CR71		April	3.33	<0.01		0.41	<0.01	0.82	7.62	0.04	1	<0.01
Manyame	MTN30		May	2.34	64.9	145	0.32	<0.01	0.54	7.59	0.02		
Manyame	MTN30		June	<2	69.2	229	0.28	0.05	0.56	7.41	0.01		
Manyame	MTN30		July	<2	66.6	273	0.53	0.09	0.84	7.57	0.1		
Manyame	MTN30		August	<2	67.2	342	<0.01	0.03	0.59	7.69	0.25		
Manyame	MTN30		September	<2.00	34.8	645	0.07	0.32	0.66	7.44	26.85		
Manyame	MTN30		October	5.81	43	377	1.11	0.37	0.58	7.7	0.84		
Manyame	MTN30		November	22.5	65.6	396	0.87	0.16	1.49	5.82	0.37		
Manyame	MTN30	2018	February	<2.00			0.1	0.13	0.48				
Manyame	MTN30		March	<2.00	78.7	109	0.82	<0.01	1.03	7.33	0.03		
Manyame	MTN30		April	<2.00	80.8	106	0.58	0.02	0.62	6.64	0.03		
Manyame	MTN30		May	<2.00	77.8	154	1.33	0.05	0.62	7.84	0.05		
Manyame	MTN30		July	<2.00	46.4	358	0.93	0.53	0.55	7.47	0.71		
Manyame	MTN30		August	30.04	67.5	393	0.33	0.11	0.91	7.23	1.15		
Manyame	MTN30		September	3.22	20.7	396	0.93	0.24	0.6	7.57	0.47		
Manyame	MTN30		October	4	70.7	271	0.03	<0.01	3.07	7.19	0.03		
Manyame	MTN30		November	8.61	65.4	295	<0.01	0.02	9.99	7.75	<0.01		
Manyame	MTN30		December	14.85	55.4	287	0.12	0.04	6.55	7.81	*		
Manyame	MTN30	2019	January	<2.00	70	278	0.14	<0.01	5.47	7.06			

Source: Environment Management Agency

Table Error! No text of specified style in document..**20 (continued): Manyame River Ambient Monitoring points**

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO3	pH	PO4	SO4	Zn
Blue limit (Sensitive)		15	1	30	0	0		10	6.0-7.5	1		100	0
Blue limit (Normal)		30	1	60	1	0		10	6.0-9.0	1		250	1
Unit of measurement		mg/l	mg/l Cu	mg/l	mg/l Fe	mg/l Ni		mg/l N		mg/l P		mg/l SO4	mg/l Zn
Manyame	CR21	2017	January		<0.01	51	<0.01	<0.01	0.83	7.90	0.23	6	<0.01
Manyame	CR21		February	<0.01		0.47		<0.01	0.68	7.20	0.01	4	<0.01
Manyame	CR21		April	<2	<0.01		0.83	<0.01	0.59	7.73	<0.01	<1	<0.01

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO3	pH	PO4
Manyame	CR21	2017	May	3.50	68.00	108	0.62	0.01	0.34	8.17	0.01
Manyame	CR21		June	24.73	66.9	92	0.62	0.08	0.26	7.93	0.08
Manyame	CR21		July	<2	71.5	89	0.63	0.04	0.26	7.83	<0.01
Manyame	CR21		August	<2	80.3	104	0.03	0.02	0.27	7.74	0.02
Manyame	CR21		September	11.43	73.90	93	0.34	0.10	0.24	7.85	0.12
Manyame	CR21		October	3.39	73.1	110	0.95	0.04	0.59	8.05	0.03
Manyame	CR21		November	28.01	87.9	94	0.58	<0.01	0.56	7.49	0.02
Manyame	CR21		December	<2.00	99.9	85	0.53	<0.01	0.50	6.16	0.15
Manyame	CR21	2018	January	33.85	103.1	200	1.95	0.06	0.54	8.30	0.04
Manyame	CR21		February	<2.00	98.7	76	0.20	0.10	0.30	6.67	0.08
Manyame	CR21		March	<2.00	81.3	58	0.70	<0.01	0.79	7.60	0.02
Manyame	CR21		April	<2.00	74.1	52	0.58	<0.01	0.44	7.02	0.11
Manyame	CR21		May	<2.00	74.1	52	0.58	<0.01	0.44	7.02	0.11
Manyame	CR21		June	<2.00	82.3	781	0.47	0.01	0.36	7.31	0.05
Manyame	CR21		July	<2.00	87.2	69	0.27	0.04	0.06	6.76	<0.01
Manyame	CR21		August	5.57	81.9	66	0.25	0.01	0.28	7.68	0.12
Manyame	CR21		September	<2.00	62.5	93	0.70	0.04	0.21	7.97	<0.01
Manyame	CR21		October	<2.00	70.3	76	0.46	0.06	0.10	8.10	0.04
Manyame	CR21		November	2.11	59.2	87	0.67	0.12	0.12	7.72	
Manyame	CR21		December	<2.00	58.3	93	0.52	0.06	0.22	7.75	
Manyame	CR21	2019	January	<2.00	61.1	99	0.36	<0.01	0.22	7.44	
Manyame	CR21		February	3.87	63.6	102	0.72	0.12	0.64	7.35	0.01
Manyame	CR21		February	3.87	63.6	102	0.72	0.12	0.64	7.35	0.01
Manyame	CR21		March	<2.00	69.6	94	0.55	0.10	0.20	6.41	<0.01
Manyame	CR21		May	<2.00	69.6	94	0.55	0.10	0.20	6.41	<0.01

Source: Environment Management Agency

Table Error! No text of specified style in document..**21 (continued): Manyame River Ambient Monitoring points**

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO3	pH	PO4	SO4	Zn
Blue limit (Sensitive)		15	1	**30**	0	0		10	6.0-7.5	1		100	0
Blue limit (Normal)		30	1	**60**	1	0		10	6.0-9.0	1		250	1
Unit of measurement		mg/l	mg/l Cu	**mg/l**	mg/l Fe	mg/l Ni		mg/l N		mg/l P		mg/l SO4	mg/l Zn
Manyame	CR21		June	<2.00	82.8	110	0.10	0.01	<0.01	6.56	<0.01		
Manyame	CR21	2019	July	<2.00	85.0	139	0.36	0.02	0.25	7.41	0.05		
Manyame	CR21		August	<2.00	65.8	110	<0.01	<0.01	0.39	9.64	0.01		
Manyame	CR21		November	<2.00	54.9	184	2.27	0.89	0.57	7.77	0.02		
Manyame	CR21		December	3.52	27.2	207	0.59	0.60	0.59	7.35	0.02		
Manyame	CR21	2020	January	2.66	22.7	211	1.23	0.01	0.49	7.25	0.18		
Manyame	CR21		February	9.32	75.7	161	<0.01	<0.01	0.31	7.91	0.11		
Manyame	CR21		March	11.76	75.3	134	0.13	<0.01	1.04	7.82	0.03		
Manyame	CR21		May		66.0	150	<0.01	<0.01	0.35	7.82	0.03		
Manyame	CR21		June	9.96	76.1	134	0.47	0.18	0.07	7.59	0.08		
Manyame	CR21		July	4.72	116.0	132	1.18	0.17	0.15	7.74	0.27		
Manyame	CR21		August	<2.00	90.0	142	0.43	0.01	0.19	7.61	0.09		
Manyame	CR21		September	<2.00	81.0	149	1.68	0.08	0.54	8.37	0.04		
Manyame	CR21		October	<2.00	81.9	198	1.03	0.01	0.56	8.19	0.03		
Manyame	CR21		November	<2.00	101.2	198	<0.01	<0.01	0.67	7.99	0.32		
Manyame	CR21		December	10.35	73.3	188	0.06	<0.01	0.33	7.35	0.02		
Manyame	CR21	2021	January	<2.00	89.9	110	1.32	0.02	0.70	7.70	0.09		
Manyame	CR21		February	3.20	75.7	151	0.59	<0.01	0.75	7.51	<0.01		
Manyame	CR21		March	30.74	76.4	97	0.68	<0.01	0.33	7.67	0.13		
Manyame	CR21		April	<2.00	86.7	215	1.08	0.05	0.39	7.77	0.03		
Manyame	CR21		May	34.34	85.9	89	1.02	0.07	0.31	6.99	<0.01		
Manyame	CR21		June	2.34	62.0	105	1.02	0.13	0.82	7.73	<0.01		
Manyame	CR21		July	2.00	65.5	114	0.58	0.02	2.16	6.76	0.04		
Manyame	CR21		August	<2.00	59.8	98	0.24	<0.01	0.33	6.89	0.02		
Manyame	CR21		September	11.91	71.7	179	0.84	0.22	0.20	7.37	0.04		
Manyame	CR21		October	<2.00	65.4	222	0.72	0.24	0.37	6.88	0.10		
Manyame	CR21		November	2.38	29.8	109	3.45	0.03	0.11	6.08	0.12		
Manyame	CR21	2022	January	<2.00	76.3	129	0.38	0.04	0.30	7.46	0.05		
Manyame	CR21		March	5.35	30.2	236	5.01	0.24	1.03	6.66	0.23		
Manyame	CR21		April	<2.00	69.2	104	<0.01	0.09	0.56	6.94	0.22		
Manyame	CR21		May	8.50	75.2	247	0.50	0.01	0.73	7.46	0.10		
Manyame	CR21		June		99.8	145	0.74	0.03	0.68	7.34	0.07		

Manyame	CR21	July	2.17	88.2	120	0.61	<0.01	0.53	7.19	0.15

Source: Environment Management Agency

Table Error! No text of specified style in document..22: Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)				**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
Mazowe	DR36	2017	January		4		0.08	<0.01	0.35	7.86	0.03	10	<0.01
Mazowe	DR36		February	2	<0.01	<0.01	0.77	<0.01	0.01	8	**74**	58	
Mazowe	DR36		March		<0.01		0.75	<0.01	0.46	7.67	0.23	18	<0.01
Mazowe	DR36		April	<2	**55.4**	1	<0.01	0.27	7.78	2.19	3	100	
River	**Point**	**Year**	**Month**	**BOD**	**Dissolved oxygen**	**E. Conductivity**	**Fe**	**Mn**	**NO_3**	**pH**	**PO_4**		
Mazowe	DR36	2017	May	3.51	69.5	149	0.19	<0.01	0.18	7.70	0.03		
Mazowe	DR36		June	<2	84.1	145	0.67	<0.01	0.12	7.85	<0.01		
Mazowe	DR36		July	<2	62.0	176	0.43	0.01	0.19	8.30	<0.01		
Mazowe	DR36		August	<2	73.8	186	0.64	0.03	0.26	7.86	0.02		
Mazowe	DR36		September	<2.00	68.3	224	0.28	<0.01	0.13	8.00	0.02		
Mazowe	DR36		October	4.78	**43.5**	216	0.24	0.04	0.49	7.43	0.02		
Mazowe	DR36		November	23.27	74.5	303	0.47	0.01	0.15	6.18	<0.01		
Mazowe	DR36		December	9.22	82.8	194	0.48	<0.01	0.28	7.93	0.08		
Mazowe	DR36	2018	January	4.76	99.9	91	**2.21**	<0.01	0.21	7.75	0.03		
Mazowe	DR36		February	**57.36**	102.6	104	0.13	0.79	7.85	0.03			
Mazowe	DR36		March	<2.00	110.0	89	**1.76**	<0.01	0.33	7.20	0.03		
Mazowe	DR36		April	**35.95**	75.1	132	1.02	0.06	0.49	7.92	0.03		
Mazowe	DR36		May	12.34	71.9	137	**1.14**	0.06	0.09	7.88	0.02		
Mazowe	DR36		June	<2.00	76.1	124	**1.67**	0.05	0.15	7.80	0.04		
Mazowe	DR36		July	<2.00	86.1	167	**1.73**	0.03	0.05	8.13	0.02		
Mazowe	DR36		August	12.80	616.0	167	**1.98**	0.03	0.37	7.41	0.04		
Mazowe	DR36		September	12.80	616.0	167	**1.98**	0.03	0.37	7.41	0.04		
Mazowe	DR36		October	<2.00	68.1	238	1.03	0.07	0.26	6.97	0.06		
Mazowe	DR36		November	7.26	65.5	292	0.32	0.07	0.36	8.74	0.02		
Mazowe	DR36	2019	March	<2.00	63.4	145	**1.91**	0.02	0.19	8.08	0.01		
Mazowe	DR36		April		64.6	178	0.99	0.04	0.34	8.45	0.01		
Mazowe	DR36		June	<2.00	78.4	212	0.16	0.01	<0.01	7.91	0.06		
Mazowe	DR36		July	<2.00	79.4	430	0.59	0.02	0.20	7.48	<0.01		
Mazowe	DR36		August	<2.00	73.5	321	**3.13**	<0.01	0.36	8.64	0.08		
Mazowe	DR36		September	3.26	**57.7**	282	<0.01	<0.01	<0.01	8.46	<0.01		
Mazowe	DR36		October	2.25	49.1	243	**13.95**	**3.20**	1.43	6.92	0.19		
Mazowe	DR36		November	<2.00	60.4	395	0.36	0.08	0.05	8.10	0.06		

Source: ***Environment Management Agency***

Table Error! No text of specified style in document..23 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4	SO_4	Zn
Mazowe	DR36		December	<2.00	54.7	319	**2.88**	0.19	0.29	8.45	0.04		
Mazowe	DR36	2020	February	<2.00	70.1	103	**14.00**	0.11	0.78	7.81	**3.64**		
Mazowe	DR36		March	17.66	94.5	173	**3.49**	<0.01	0.79	7.68	0.11		
Mazowe	DR36		July	15.24	103.0	**2990**	<0.01	0.03	0.23	7.57	0.02		
Mazowe	DR36		August	4.72	117.0	333	<0.01	0.07	0.04	6.97	0.01		
Mazowe	DR36		September	16.83	106.0	348	<0.01	0.03	0.17	8.23	<0.01		
Mazowe	DR36		December	<2.00	94.2	136	**6.90**	0.05	1.34	8.13	0.07		
Mazowe	DR36	2021	January	<1	77.2	168	**11.00**	0.02	0.93	8.02	0.27		
Mazowe	DR36		February	6.01	75.8	164	0.92	**0.13**	0.55	8.46	**0.55**		
Mazowe	DR36		March	**31.80**	88.7	89	**1.96**	0.07	0.19	7.87	0.24		
Mazowe	DR36		April	<2.00	99.9	140	0.63	0.02	0.25	7.03	0.04		
Mazowe	DR36		July	4.03	71.0	144	0.33	0.04	2.29	7.26	0.04		
Mazowe	DR36		September	<2.00	65.1	297	0.56	0.26	7.71	<0.01	Blue		
Mazowe	DR36		November	<2.00	61.9	313	0.13	0.01	0.18	7.42	0.05		
Mazowe	DR36		December	17.03	85.9	305	0.32	**0.11**	0.32	7.29	<0.01		
Mazowe	DR36	2022	January	7.05	79.9	191	0.16	**0.12**	0.47	7.40	0.38		
Mazowe	DR36		February	<2.00	**51.4**	212	**1.47**	<0.01	0.88	7.52	0.14		
Mazowe	DR36		April	10.49	72.9	146	**1.68**	<0.01	0.58	7.13	0.17		
Mazowe	DR36		May	4.05	80.6	171	0.24	<0.01	0.42	7.52	0.06		
Mazowe	DR36		June		94.7	202	**1.71**	<0.01	0.23	7.67	0.08		
Mazowe	DR36		July	3.77	84.1	194	0.56	<0.01	0.48	7.31	0.26		
Mazowe	DR36		August	<2.00	68.0	223	**2.16**	0.03	0.24	7.50	0.10		
Mazowe	DR36		September	6.21	79.5	334	0.14	0.03	0.16	7.50	<0.01		
Mazowe	DR36		October	5.34	67.6	1344	<0.01	**3.20**	0.22	7.96	0.09		
River	**Point**	**Year**	**Month**	**BOD**	**Cu**	**COD**	**Fe**	**Ni**	**NO_3**	**pH**	**PO_4**	**SO_4**	**Zn**
Mazowe	DR20	2017	January		<0.01	40	<0.01	<0.01	0.56	7.88	0.03	5	<0.01
Mazowe	DR20		February		178	3	<0.01	0.63	7.49	3.53	7	300	
Mazowe	DR20		March		<0.01		**1.21**	0.04	0.37	8.32	0.03	<1	<0.01
Mazowe	DR20		April	<2	<0.01		0.83	<0.01	0.44	7.85	0.07	1	<0.01
Mazowe	DR20		May				0.31		0.36	7.76	0.01		
Mazowe	DR20		June	9.69			0.58		0.29	7.79	0.06		
Mazowe	DR20		July	5.99			0.41		0.37	7.88	0.02		
Mazowe	DR20		August	<2			<0.01		0.32	8.25	<0.01		
Mazowe	DR20		September	2.81			0.31		0.17	7.76	<0.01		

Mazowe	DR20		November	<2.00			0.28		0.22	6.08	<0.01	

Source: Environment Management Agency

Table Error! No text of specified style in document..24 (continued):
Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)				**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
Mazowe	DR20		December	4.96			0.21		0.27	7.26	<0.01		

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4
Mazowe	DR20	2018	January	<2.00	109.8	85	**1.66**	<0.01	0.27	8.19	0.02
Mazowe	DR20		February	**39.77**	99.2	287		**0.16**	0.21	7.56	0.02
Mazowe	DR20		March								
Mazowe	DR20		April	**35.86**	72.8	212	0.90	<0.01	0.40	7.85	0.02
Mazowe	DR20		May	6.54	78.9	214	**2.52**	0.13	0.31	7.80	0.05
Mazowe	DR20		June	<2.00	71.0	244	**2.61**	0.13	0.38	7.62	0.06
Mazowe	DR20		July	<2.00	75.9	267	1.00	**0.26**	0.09	7.21	0.02
Mazowe	DR20		August	<2.00	70.4	279	0.61	0.04	0.22	7.49	<0.01
Mazowe	DR20		September	5.36	**57.6**	345	1.09	0.02	0.37	7.61	0.01
Mazowe	DR20		October	<2.00	64.5	383	0.10	<0.01	0.21	7.67	0.03
Mazowe	DR20		November	5.03	63.8	221	0.35	0.07	0.24	8.09	0.01
Mazowe	DR20	2019	March	<2.00	63.7	349	<0.01	0.01	0.15	7.87	<0.01
Mazowe	DR20		April	22.81	60.6	61	0.45	0.06	0.33	7.94	<0.01
Mazowe	DR20		May	17.27	68.4	299	0.49	<0.01	0.31	7.81	0.03
Mazowe	DR20		June	<2.00	78.7	451	0.22	<0.01	<0.01	7.78	0.02
Mazowe	DR20		July	<2.00	70.6	314	1.10	0.09	0.26	7.84	0.02
Mazowe	DR20		August	<2.00	75.7	309	0.88	0.01	0.48	8.34	0.11
Mazowe	DR20		September	7.13	66.7	189	**3.50**	<0.01	0.27	8.82	0.06
Mazowe	DR20		November	<2.00	**57.1**	243	0.61	0.08	0.27	8.26	0.12
Mazowe	DR20		December	3.78	69.4	305	**1.34**	0.03	0.29	8.14	0.01
Mazowe	DR20	2020	January	<2.00	**56.7**	328	0.82	<0.01	0.30	8.13	0.03
Mazowe	DR20		February	<2.00	85.1	313	0.24	0.04	0.33	8.10	0.09
Mazowe	DR20		March	3.35	97.1	272	**3.37**	<0.01	0.67	8.17	0.07
Mazowe	DR20		May	82.0	453	<0.01	0.10	0.29	7.99	0.04	
Mazowe	DR20		June	**32.08**	106.1	538	<0.01	0.02	0.03	7.22	0.07
Mazowe	DR20		July	17.95	103.0	477	<0.01	0.08	0.09	8.92	<0.01

Mazowe	DR20		October	11.08	104.2	458	<0.01	<0.01	0.30	8.62	<0.01	

Source: Environment Management Agency

Table Error! No text of specified style in document..25 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4	SO_4	Zn
Mazowe	DR20		November	<2.00	109.5	363	**1.45**	<0.01	0.20	8.11	0.06		
Mazowe	DR20		December	<2.00	87.5	251	**3.37**	0.03	0.82	8.24	0.08		
Mazowe	DR20	2021	January	<1	82.5	309	<0.01	<0.01	0.18	8.20	0.02		
Mazowe	DR20		February	<2.00	83.2	235	0.59	**0.15**	0.45	8.49	0.07		
Mazowe	DR20		March	14.79	71.1	172	0.84	**0.14**	0.13	8.03	0.05		
Mazowe	DR20		April	<2.00	94.7	211	0.84	0.06	0.41	7.92	0.04		
Mazowe	DR20		May	17.77	85.7	207	**2.11**	0.07	0.52	7.76	0.01		
Mazowe	DR20		June	2.51	69.3	251	0.65	**0.30**	1.20	7.69	0.52		
Mazowe	DR20		July	<2.00	74.6	363	0.38	0.08	1.93	7.49	0.04		
Mazowe	DR20		August	6.95	75.5	460	0.19	<0.01	0.37	7.51	<0.01		
Mazowe	DR20		September	21.40	70.6	325	0.71	<0.01	0.33	7.53	<0.01		
Mazowe	DR20		October	<2.00	72.8	209	0.83	0.03	0.43	6.94	0.07		
Mazowe	DR20		November	<2.00	61.1	242	0.30	0.05	0.23	6.85	0.06		
Mazowe	DR20		December	11.23	92.1	254	0.44	0.08	0.52	7.21	0.05		
Mazowe	DR20	2022	January	9.18	77.7	390	0.16	0.06	0.59	7.49	0.20		
Mazowe	DR20		February	<2.00	**58.2**	265	**1.15**	0.04	0.95	7.41	0.11		
Mazowe	DR20		March	<2.00	**47.3**	250	1.74	0.08	0.51	7.30	0.11		
Mazowe	DR20		April	2.85	74.0	191	1.08	0.02	0.43	6.91	0.14		
Mazowe	DR20		May	<2.00	93.7	202	0.12	0.07	0.49	7.91	0.02		
Mazowe	DR20		June	95.3	250	0.50	0.09	0.50	7.40	0.12			
Mazowe	DR20		July	<2.00	78.4	279	**3.80**	0.03	0.68	7.18	0.32		
Mazowe	DR20		August	<2.00	70.0	332	0.55	0.04	0.29	7.80	0.13		
Mazowe	DR20		September	<2	85.9	305	0.14	0.02	0.23	7.54	<0.01		
Mazowe	DR20		October	<2.00	72.0	305	0.17	0.04	0.31	8.05	<0.01		
Mazowe	DR20		December	3.78	69.4	305	**1.34**	0.03	0.29	8.14	0.01		
Mazowe	DR20	2020	January	<2.00	**56.7**	328	0.82	<0.01	0.30	8.13	0.03		
Mazowe	DR20		February	<2.00	85.1	313	0.24	0.04	0.33	8.10	0.09		

Source: Environment Management Agency

Table Error! No text of specified style in document..26 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)	**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**			
Blue limit (Normal)	**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**			
Unit of measurement	**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**			
Mazowe	DR12	2017	January										
Mazowe	DR12		February		<0.01	42	<0.01	<0.01	0.65	7.55	0.09	6	<0.01
Mazowe	DR12		March		<0.01		0.70	<0.01	0.48	8.01	0.08	<1	<0.01
Mazowe	DR12		April	<2	<0.01		0.49	<0.01	0.51	7.94	0.06	4	<0.01
Mazowe	DR12		May	<2	84.2	216	0.23	<0.01	0.42	7.69	0.02		
Mazowe	DR12		June	3.89	70.8	243	**1.77**	0.10	0.35	7.76	0.05		
Mazowe	DR12		July	<2	74.2	308	0.51	0.09	0.63	8.00	0.02		
Mazowe	DR12		August	<2	78.0	253	0.20	0.02	0.59	7.81	0.07		
Mazowe	DR12		September	<2.00	74.9	260	0.28	<0.01	0.44	7.79	0.04		
Mazowe	DR12		October	3.33	76.5	227	0.25	0.01	0.35	7.77	0.02		
Mazowe	DR12		November	2.39	72.8	268	**1.66**	<0.01	1.03	6.22	0.01		
Mazowe	DR12		December	19.44	80.2	295	0.39	<0.01	0.41	7.16	0.05		
Mazowe	DR12	2018	January	7.37	116.2	121	**1.34**	0.01	0.15	8.29	0.02		
Mazowe	DR12		March	<2.00	82.7	190	**1.91**	**0.26**	0.79	7.41	0.03		
Mazowe	DR12		April	<2.00	77.7	194	0.72	0.05	0.35	6.96	0.04		
Mazowe	DR12		May	<2.00	94.9	230	1.68	**0.31**	0.30	7.40	0.13		
Mazowe	DR12		June	<2.00	81.3	178	0.37	**0.60**	0.41	7.90	0.02		
Mazowe	DR12		July	<2.00	83.6	274	**4.34**	0.06	0.28	8.32	0.16		
Mazowe	DR12		August	10.78	67.4	62	0.64	0.06	0.20	8.13	<0.01		
Mazowe	DR12		September	3.15	72.4	231	0.23	**0.14**	0.58	8.02	0.03		
Mazowe	DR12		November	<2.00	60.9	252	**3.59**	0.07	0.32	7.89	0.06		
Mazowe	DR12		December	2.99	68.8	278	1.11	0.03	0.29	7.36			
Mazowe	DR12	2019	March	<2.00	63.5	249	0.28	0.03	0.35	7.79	0.14		
Mazowe	DR12		May	<2.00	65.6	355	0.69	0.01	0.40	7.85	0.04		
Mazowe	DR12		June	<2.00	83.0	333	0.46	<0.01	<0.01	7.65	0.01		
Mazowe	DR12		July	<2.00	60.1	191	0.50	0.04	0.29	7.46	0.01		
Mazowe	DR12		August	<2.00	64.3	332	**2.98**	0.01	0.71	8.38	0.01		
Mazowe	DR12		October	<2.00	59.8	482	<0.01	0.05	0.47	6.80	0.04		
Mazowe	DR12		December	<2.00	68.1	293	**3.42**	**0.33**	0.31	8.14	0.08		

Source: Environment Management Agency

Table Error! No text of specified style in document..27 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year		BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	
Mazowe	DR12	2020	January	<2.00	**39.2**	348	1.84	0.01	0.32	7.7.	0.64		
Mazowe	DR12		February	<2.00	83.0	333	**3.35**	0.03	0.53	8.00	**1.68**		
Mazowe	DR12		March	15.29	81.2	295	**5.84**	0.09	0.70	7.51	0.06		
Mazowe	DR12		May	*	88.2	270	**3.12**	<0.01	0.52	7.87	0.03		
Mazowe	DR12		June	5.49	107.6	220	**4.75**	0.05	0.71	7.70	0.12		
Mazowe	DR12		August	<2.00	118.0	222	**2.90**	0.12	0.39	6.97	0.08		
Mazowe	DR12		September	8.42	119.0	204	**2.38**	0.05	0.34	7.94	0.05		
Mazowe	DR12		October	4.79	102.6	196	**4.66**	0.02	0.60	8.21	<0.01		
Mazowe	DR12		December	5.87	81.7	275	**1.79**	0.05	0.63	8.37	0.13		
Mazowe	DR12	2021	January	<1	88.7	290	**4.05**	0.02	0.67	8.41	0.94		
Mazowe	DR12		February	<2.00	83.2	278	0.99	**0.22**	0.59	8.47	0.04		
Mazowe	DR12		March	17.11	72.2	187	0.49	0.02	0.26	7.92	0.08		
Mazowe	DR12		April	<2.00	89.6	193	0.86	**0.15**	0.44	7.14	0.11		
Mazowe	DR12		May	19.13	99.8	252	**2.90**	0.08	0.54	7.79	<0.01		
Mazowe	DR12		June	2.51	69.3	251	0.65	**0.30**	1.20	7.69	0.52		
Mazowe	DR12		July	<2.00	75.4	248	0.42	0.10	3.82	7.21	0.05		
Mazowe	DR12		September	<2.00	70.3	365	0.78	0.02	0.60	7.68	0.14		
Mazowe	DR12		October	2.32	60.5	229	**2.89**	0.05	0.71	6.93	0.12		
Mazowe	DR12		November	<2.00	**57.8**	197	0.42	0.07	0.50	6.82	0.30		
Mazowe	DR12		December	18.48	89.4	232	**1.59**	**0.30**	0.91	7.12	0.28		
Mazowe	DR12	2022	January	5.89	78.2	281	0.12	**0.18**	0.59	7.46	0.92		
Mazowe	DR12		February	<2.00	57.8	297	**2.19**	0.07	1.02	7.38	0.13		
Mazowe	DR12		March	<2.00	55.1	193	**2.32**	0.01	0.46	7.26	0.18		
Mazowe	DR12		April	6.52	79.0	231	1.07	0.03	0.47	8.40	0.16		
Mazowe	DR12		May	<2.00	81.4	238	0.07	<0.01	0.59	8.24	0.03		
Mazowe	DR12		June		91.9	326	0.15	0.01	0.73	7.38	0.12		
Mazowe	DR12		August	<2.00	76.2	320	**1.84**	**0.26**	0.49	7.90	0.23		
Mazowe	DR12		September	3.31	78.4	314	0.27	0.02	0.46	7.55	<0.01		
Mazowe	DR12		October	5.14	62.8	240	0.17	0.06	0.46	7.90	0.13		

River	Point	Year		BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4	SO_4	Zn
Mazowe	DR1	2017	January		34	<0.01	0.06	<0.01	0.78	7.69	0.01	62	<0.01
Mazowe	DR1		February		23	<0.01	<0.01	<0.01	0.79	7.37	0.01	37	<0.01
Mazowe	DR1		March			<0.01	0.27	<0.01	0.37	7.98	0.03	9	<0.01
Mazowe	DR1		April	<2		<0.01	0.10	<0.01	0.22	8.13	<0.01	6	<0.01
Mazowe	DR1	2017	May	<2	70.1	271	0.20	**0.13**	0.31	7.84	0.03		

Source: Environment Management Agency

Table Error! No text of specified style in document..28 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)				**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
Mazowe	DR1		June	2.63	69.0	476	0.12	0.06	0.15	7.31	0.03		
Mazowe	DR1		July	<2	78.2	293	0.29	0.11	0.33	7.55	<0.01		
Mazowe	DR1		August	<2	81.6	278	0.04	<0.01	<0.01	7.89	<0.01		
Mazowe	DR1		September	<2.00	72.4	533	0.10	**0.64**	0.14	5.27	0.04		
Mazowe	DR1		June	2.63	69.0	476	0.12	0.06	0.15	7.31	0.03		
Mazowe	DR1		December	<2.00	**59.8**	284	0.51	0.03	0.40	6.38	<0.01		
Mazowe	DR1		October	7.32	88.8	300	0.28	**0.22**	0.19	6.43	0.01		
Mazowe	DR1	2018	January	**41.17**	103.6	332	0.85	0.11	0.19	7.44	0.02		
Mazowe	DR1		February	<2.00	91.9	274	0.39	**0.26**	0.36	8.32	0.03		
Mazowe	DR1		March	<2.00	111.6	294	0.72	**0.17**	0.02	7.36	<0.01		
Mazowe	DR1		April	<2.00	76.0	283	0.06	0.02	0.25	7.85	<0.01		
Mazowe	DR1		May	2.63	88.8	361	0.23	0.02	4.62	6.10	<0.01		
Mazowe	DR1		June	<2.00	**59.2**	308	0.13	0.11	0.09	7.55	0.02		
Mazowe	DR1		July	<2.00	87.6	5	<0.01	0.06	0.08	6.70	<0.01		
Mazowe	DR1		August	<2.00	61.6	330	0.01	0.04	0.30	7.08	<0.01		
Mazowe	DR1		September	<2.00	62.3	291	<0.01	0.06	0.17	7.86	<0.01		
Mazowe	DR1		October	7.68	69.0	328	0.12	0.09	0.20	7.72	0.03		
Mazowe	DR1		November	20.79	67.0	327	0.09	**0.52**	0.26	8.34	<0.01		
Mazowe	DR1		December	2.99	68.3	289	0.33	0.04	0.06	8.01			
Mazowe	DR1	2019	March	<2.00	**56.5**	318	0.14	0.56	0.15	7.49	0.02		
Mazowe	DR1		April	25.69	67.1	370	0.44	**0.17**	0.18	7.60	0.09		
Mazowe	DR1		May	<2.00	82.1	603.0	0.1	0.0	0.8	7.9	<0.01		
Mazowe	DR1		June	2.40	**59.7**	308	<0.01	0.03	<0.01	8.73	<0.01		
Mazowe	DR1		July	2.88	73.0	619	0.25	**0.12**	0.62	7.76	<0.01		
Mazowe	DR1		August	<2.00	74.3	338	<0.01	<0.01	0.41	7.82	0.03		
Mazowe	DR1		September	2.40	**59.7**	308	<0.01	0.03	<0.01	8.73	<0.01		
Mazowe	DR1		October	19.25	62.4	343	<0.01	<0.01	0.30	7.23	0.02		
Mazowe	DR1		November	<2.00	62.2	356	0.19	**0.46**	<0.01	7.87	<0.01		
Mazowe	DR1		December	<2.00	**59.6**	337	0.62	0.09	0.25	8.16	0.04		
Mazowe	DR1	2020	January	<2.00	**38.6**	308	0.11	<0.01	0.26	7.64	<0.01		

Mazowe	DR1	February	<2.00	83.6	329	<0.01	0.05	0.18	8.12	0.06

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Table Error! No text of specified style in document..29 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year		BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4		
Mazowe	DR1		May		64.0	322	<0.01	<0.01	0.23	8.28	0.03		
Mazowe	DR1		June	3.56	108.1	325	0.05	<0.01	<0.01	8.44	0.07		
Mazowe	DR1		July	<2.00	99.0	306	<0.01	0.20	0.04	8.17	0.06		
Mazowe	DR1		August	5.59	111.0	296	<0.01	0.03	<0.01	7.91	<0.01		
Mazowe	DR1		September	<2.00	102.0	296	<0.01	0.03	<0.01	**9.18**	0.03		
Mazowe	DR1		October										
Mazowe	DR1		November	<2.00	62.4	310	<0.01	<0.01	0.22	7.83	0.24		
Mazowe	DR1		December	15.93	70.7	332	0.01	<0.01	0.50	8.63	<0.01		
Mazowe	DR1	2021	January										
Mazowe	DR1		February										
Mazowe	DR1		March	3.27	81.0	282	0.40	**0.15**	0.34	8.06	0.05		
Mazowe	DR1		April	<2.00	99.6	262	0.09	<0.01	0.18	7.95	0.03		
Mazowe	DR1		May	17.00	97.8	555	0.07	0.02	0.50	8.05	<0.01		
Mazowe	DR1		June	<2.00	69.1	306	<0.01	**0.12**	0.37	7.80	<0.01		
Mazowe	DR1		July	**35.04**	73.5	375	<0.01	0.03	2.29	6.56	<0.01		
Mazowe	DR1		August	2.02	**59.4**	386	<0.01	<0.01	0.30	7.83	0.01		
Mazowe	DR1		September	<2.00	66.4	381	0.08	0.01	0.32	7.63	<0.01		
Mazowe	DR1		October	<2.00	61.5	335	<0.01	0.01	0.42	6.95	0.06		
Mazowe	DR1		November	<2.00	**51.8**	327	0.19	**0.17**	0.25	6.44	<0.01		
Mazowe	DR1		December	7.58	69.0	298	0.28	0.04	0.38	6.34	0.01		
Mazowe	DR1	2022	January	7.02	70.5	309	0.60	**0.33**	0.93	7.18	0.35		
Mazowe	DR1		February	5.21	**51.4**	339	**1.31**	0.02	0.86	6.98	0.09		
Mazowe	DR1		March	<2.00	**47.7**	395	0.20	0.06	0.34	7.35	0.05		
Mazowe	DR1		April	2.75	64.9	333	0.06	<0.01	0.27	7.64	0.10		
Mazowe	DR1		May										
Mazowe	DR1		June										
Mazowe	DR1		July	15.29	73.0	380	<0.01	<0.01	0.21	7.69	0.16		
Mazowe	DR1		August	<2.00	66.3	342	<0.01	0.07	0.22	7.88	0.07		
Mazowe	DR1		September	3.31	78.4	314	0.27	0.02	0.46	7.55	<0.01		
Mazowe	DR1		October	<2.00	77.8	373	<0.01	<0.01	0.11	7.67	0.10		
Mazowe	DR19		December		<0.01	38	<0.01	<0.01	0.22	8.02	0.15	12	<0.01
Mazowe	DR19	2017	January	50	223	5	<0.01	7.77	3.08	<0.01	222	**174**	<0.01
Mazowe	DR19		March	3	171	*	**1.12**	0.08	0.57	7.65	0.07	<1	<0.01
Mazowe	DR19		April	<2	<0.01		0.62	<0.01	0.70	8.14	0.04	5	0.03
Mazowe	DR19		December		<0.01	38	<0.01	<0.01	0.22	8.02	0.15	12	<0.01

Mazowe	DR19	2017	January	50	223	5	<0.01	7.77	3.08	<0.01	222	**174**	<0.01
Mazowe	DR19		March	3	171	*	**1.12**	0.08	0.57	7.65	0.07	<1	<0.01

Source: Environmental Management Agency

Table Error! No text of specified style in document..30 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)	**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**			
Blue limit (Normal)	**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**			
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
Mazowe	DR19	2017	May	<2	70.0	243	0.56	0.10	0.32	7.45	0.04		
Mazowe	DR19		July	2.80	76.5	286	0.48	0.10	0.53	8.01	<0.01		
Mazowe	DR19		August	0.15	**45.6**	301	<0.01	0.02	0.27	7.67	0.02		
Mazowe	DR19		September	2.29	74.3	325	0.34	<0.01	0.20	7.67	0.15		
Mazowe	DR19		October	2.95	67.0	**1914**	0.66	0.03	0.73	7.31	0.01		
Mazowe	DR19		November	**32.94**	77.6	256	0.46	<0.01	0.16	6.12	0.01		
Mazowe	DR19		December	<2.00	85.4	159	0.82	<0.01	0.37	7.28	0.05		
Mazowe	DR19	2018	January	9.50	112.4	119	0.85	<0.01	0.30	7.95	0.01		
Mazowe	DR19		February	<2.00	71.6	292	**1.57**	**0.20**	0.49	6.56	0.07		
Mazowe	DR19		March	<2.00	115.6	134	**1.64**	<0.01	0.20	7.14	<0.01		
Mazowe	DR19		April	5.45	71.4	**2039**	1.02	0.03	0.37	7.51	0.03		
Mazowe	DR19		May	<2.00	61.5	239	**3.31**	0.27	0.35	8.11	0.05		
Mazowe	DR19		June	<2.00	80.4	255	**2.54**	0.06	0.40	8.15	0.06		
Mazowe	DR19		July	<2.00	86.3	277	**1.32**	0.05	0.24	7.87	0.06		
Mazowe	DR19		August	16.20	83.4	59	**1.20**	0.06	0.18	7.13	<0.01		
Mazowe	DR19		October	<2.00	61.3	347	0.51	0.08	5.07	7.68	0.04		
Mazowe	DR19		November	10.74	70.8	105	0.47	0.10	0.19	8.12	0.01		
Mazowe	DR19		December	11.40	63.6	226	0.64	0.02	0.60	7.64	*		
Mazowe	DR19	2019	March	<2.00	67.7	347	<0.01	0.05	0.26	8.16	0.01		
Mazowe	DR19		May	17.85	66.2	356	0.67	<0.01	0.33	7.97	0.16		
Mazowe	DR19		June	<2.00	81.6	323	0.18	<0.01	<0.01	6.85	0.03		
Mazowe	DR19		July	9.16	76.8	376	0.43	0.04	0.28	7.32	<0.01		
Mazowe	DR19		August	<2.00	54.4	418	**2.36**	0.15	0.54	8.54	0.09		
Mazowe	DR19		September	2.29	**52.4**	322	0.84	0.03	<0.01	8.68	0.05		
Mazowe	DR19		October	6.70	66.0	335	0.71	**0.33**	0.35	7.08	0.01		
Mazowe	DR19		November	<2.00	64.3	246	1.02	0.06	0.43	8.07	0.24		
Mazowe	DR19		December	<2.00	59.2	292	**2.99**	0.10	0.48	8.08	0.04		
Mazowe	DR19	2020	January	2.08	**50.3**	343	0.35	<0.01	0.25	7.83	0.06		
Mazowe	DR19		February	<2.00	85.1	313	0.24	0.04	0.33	8.10	0.09		
Mazowe	DR19		March	13.55	88.2	252	**2.69**	<0.01	0.65	7.97	0.02		

Mazowe	DR19	May	71.5	395	<0.01	0.05	0.28	7.93	0.01

Source: Environmental Management Agency

Table Error! No text of specified style in document..31 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	Dis	E.Con	Fe	MN	NO_3	pH	PO_4	SO_4	Zn
Mazowe	DR19		June	5.49	109.6	417	0.97	<0.01	0.11	7.15	0.18		
Mazowe	DR19		July	<2.00	111.0	352	0.13	<0.01	0.09	8.13	0.19		
Mazowe	DR19		August	26.08	**48.0**	442	<0.01	**0.38**	0.23	7.72	<0.01		
Mazowe	DR19		September	<2.00	105.0	331	0.04	0.04	0.07	8.51	0.01		
Mazowe	DR19		October	11.66	98.0	**2679**	0.26	<0.01	0.29	7.88	0.01		
Mazowe	DR19		December	10.03	89.9	280	**1.50**	0.04	0.69	8.58	0.07		
Mazowe	DR19	2021	January	<1	68.7	271	<0.01	<0.01	0.24	7.81	0.08		
Mazowe	DR19		February	18.09	77.8	226	0.81	**0.18**	0.45	8.27	0.06		
Mazowe	DR19		May	20.09	90.4	210	**1.95**	0.06	0.36	7.92	0.01		
Mazowe	DR19		June	3.96	75.1	144	0.26	0.08	0.78	7.65	0.01		
Mazowe	DR19		July	6.16	71.6	376	0.50	**0.13**	3.48	7.59	<0.01		
Mazowe	DR19		August	2.98	64.0	335	0.49	0.01	0.54	7.59	0.03		
Mazowe	DR19		September	11.54	67.7	305	0.77	<0.01	0.37	7.44	<0.01		
Mazowe	DR19		October	3.38	64.4	241	**2.73**	0.08	0.75	6.77	0.15		
Mazowe	DR19		November	<2.00	61.6	253	0.35	0.06	0.19	6.93	0.04		
Mazowe	DR19		December	19.55	82.4	237	0.59	**0.11**	0.63	7.31	0.03		
Mazowe	DR19	2022	January	7.63	80.1	284	0.54	0.08	0.61	7.29	0.45		
Mazowe	DR19		February	<2.00	**58.3**	293	**1.76**	0.02	0.96	7.66	0.16		
Mazowe	DR19		March	<2.00	**29.0**	259	0.85	0.12	0.49	7.20	0.09		
Mazowe	DR19		April	20.93	77.3	233	0.87	0.02	0.48	7.92	0.15		
Mazowe	DR19		May	<2.00	91.8	247	0.15	<0.01	0.55	7.99	0.03		
Mazowe	DR19		June	94.0	329	0.33	0.05	0.62	7.34	0.11			
Mazowe	DR19		July	<2.00	80.9	291	0.49	0.08	0.89	7.06	0.35		
Mazowe	DR19		August	<2.00	74.5	565	0.79	0.07	0.37	7.76	0.09		
Mazowe	DR19		September	10.66	77.5	217	0.18	0.02	0.57	7.71	<0.01		
River	**Point**	**Year**	**Month**	**BOD**	**Dis**	**E.Con**	**Fe**	**MN**	**NO_3**	**pH**	**PO_4**	**SO_4**	**Zn**
Mazowe	DR18	2015	January	<2	45.6	<0.01	1.08	<0.01	1.23	8.28	0.01	28	<0.01
Mazowe	DR18		February	22.04	36.0	<0.01	0.07	0.08	0.53	6.72	0.02	16.38	<0.01
Mazowe	DR18		March	<2	<20	<0.01	0.46	<0.01	0.75	8.49	0.12	20	<0.01
Mazowe	DR18		April	14.89	33	<0.01	<0.01	<0.01	0.91	7.74	0.05	25	<0.01
Mazowe	DR18		May	14.89	33	<0.01	<0.01	<0.01	0.91	7.74	0.05	25	<0.01
Mazowe	DR18		June	5.06	<20	<0.01	<0.01	<0.01	0.78	7.86	0.05	24	<0.01
Mazowe	DR18		July	<2	<20	<0.01	0.06	<0.01	0.76	7.72	0.02	24	<0.01
Mazowe	DR18		August	3.76	<20	<0.01	0.24	<0.01	0.78	7.76	0.02	22	<0.01
Mazowe	DR18	2016	Apr	<2		<0.01	0.37	<0.01	0.70	8.41	<0.01	53	<0.01
Mazowe	DR18		May	35		<0.01	0.79	<0.01	0.81	7.93	0.04	26	<0.01
Mazowe	DR18		June	2.99	<20	<0.01	0.21	<0.01	0.88	7.99	0.18	22	<0.01

Source: Environmental Management Agency

Table Error! No text of specified style in document..32 (continued): Mazowe River Ambient Monitoring Points

River	Point Blue limit (Sensitive) Blue limit (Normal) Unit of measurement	Year	Month	BOD mg/l	Dis Saturation	E.Con mg/l	Fe mg/l Fe	MN mg/l MN	NO_3 mg/l N	pH	PO_4 mg/l P		
Mazowe	DR18		Aug	<2		<0.01	0.01	<0.01	0.61	8.20	0.15	19	<0.01
Mazowe	DR18		Sept	15.65		<0.01	0.25	<0.01	0.59	7.24	0.46	15	<0.01
Mazowe	DR18		Oct		<20	<0.01	0.08	<0.01	0.29	7.55	<0.01	37	<0.01
Mazowe	DR18	2017	Mar		37	<0.01	<0.01	<0.01	1.35	8.05	0.06	94	<0.01
Mazowe	DR18		May		34	<0.01	0.04	<0.01	1.00	7.78	0.04	44	<0.01
Mazowe	DR18		June			<0.01	1.02	0.01	0.97	8.21	<0.01	<1	<0.01
Mazowe	DR18		July	<2		<0.01	0.08	<0.01	1.04	8.14	0.11	21	<0.01
Mazowe	DR18		Aug	<2	82.6	535	0.35	<0.01	0.66	8.07	0.02		
Mazowe	DR18		Sept	<2.00	82.8	513	0.17	**0.40**	0.78	8.06	0.02		
Mazowe	DR18		Nov	<2.00	92.0	452	**3.83**	0.02	0.74	7.52	0.04		
Mazowe	DR18		Dec	<2.00	81.1	326	0.11	**0.36**	1.63	6.43	<0.01		
Mazowe	DR18	2018	Jan	<2.00	101.7	472	**1.34**	0.06	2.07	7.18	0.07		
Mazowe	DR18		Feb	<2.00	105.6	285	<0.01	<0.01	0.58	8.35	<0.01		
Mazowe	DR18		Apr	<2.00	83.1	487	**1.77**	**0.19**	0.90	7.92	0.07		
Mazowe	DR18		May	<2.00	89.0	533	0.43	0.02	6.23	7.70	0.03		
Mazowe	DR18		Jul	<2.00	86.0	567	0.05	0.04	0.57	6.53	<0.01		
Mazowe	DR18		Aug	7.21	86.9	559	0.12	0.05	0.82	6.88	<0.01		
Mazowe	DR18		Sept	<2.00	72.2	539	0.08	0.05	0.59	7.78	<0.01		
Mazowe	DR18		Oct	<2.00	67.5	496	0.20	<0.01	0.31	7.81	0.02		
Mazowe	DR18		Nov	8.03	71.4	563	0.18	0.08	0.54	8.31	0.01		
Mazowe	DR18		Dec	4.25	67.3	496	0.60	0.01	0.59	8.42			
Mazowe	DR18	2019	Mar	<2.00	67.8	514	0.23	0.01	0.64	8.22	<0.01		
Mazowe	DR18		May	<2.00	75.1	595	0.10	0.01	1.65	8.00	<0.01		
Mazowe	DR18		June	<2.00	83.0	**1358**	0.18	<0.01	<0.01	8.37	0.04		
Mazowe	DR18		July	<2.00	**24.8**	627	0.23	0.10	0.65	8.12	<0.01		
Mazowe	DR18		Aug	<2.00	74.8	618	<0.01	<0.01	1.63	8.79	<0.01		
Mazowe	DR18		Sept	10.33	62.6	562	0.24	0.08	0.90	7.75	<0.01		
Mazowe	DR18		Nov	<2.00	**59.6**	472	0.36	**0.12**	<0.01	7.80	<0.01		
Mazowe	DR18		Dec	<2.00	**56.1**	470	0.53	<0.01	0.41	8.16	0.02		
Mazowe	DR18	2020	Jan	<2.00	60.50	561.00	<0.01	0.40	0.00	8.27	0.00		
Mazowe	DR18		Mar	20.41	86.8	553	<0.01	<0.01	0.84	8.63	0.11		
Mazowe	DR18		Oct	9.34	110.8	**2679**	<0.01	<0.01	0.28	9.14	0.01		
Mazowe	DR18	2021	Jul	23.63	76.1	**3230**	<0.01	0.08	4.03	**3.25**	<0.01		
Mazowe	DR18		Oct	<2.00	70.5	645	0.01	0.01	1.35	6.94	0.08		
Mazowe	DR18		Nov	5.44	**56.6**	532	0.25	0.07	1.43	6.72	<0.01		

Source: Environmental Management Agency

Table Error! No text of specified style in document..33 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year		BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)				**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
Mazowe	DR36	2017	January		4		0.08	<0.01	0.35	7.86	0.03	10	<0.01
Mazowe	DR36		February	2	<0.01	<0.01	0.77	<0.01	0.01	8	**74**	58	
Mazowe	DR36		March		<0.01		0.75	<0.01	0.46	7.67	0.23	18	<0.01
Mazowe	DR36		April	<2	**55.4**	1	<0.01	0.27	7.78	2.19	3	100	

River	Point	Year		BOD	Dissolved oxygen	E. Conductivity	F e	Mn	NO_3	pH	PO_4
Mazowe	DR36	2017	May	3.51	69.5	149	0.19	<0.01	0.18	7.70	0.03
Mazowe	DR36		June	<2	84.1	145	0.67	<0.01	0.12	7.85	<0.01
Mazowe	DR36		July	<2	62.0	176	0.43	0.01	0.19	8.30	<0.01
Mazowe	DR36		August	<2	73.8	186	0.64	0.03	0.26	7.86	0.02
Mazowe	DR36		September	<2.00	68.3	224	0.28	<0.01	0.13	8.00	0.02
Mazowe	DR36		October	4.78	**43.5**	216	0.24	0.04	0.49	7.43	0.02
Mazowe	DR36		November	23.27	74.5	303	0.47	0.01	0.15	6.18	<0.01
Mazowe	DR36		December	9.22	82.8	194	0.48	<0.01	0.28	7.93	0.08
Mazowe	DR36	2018	January	4.76	99.9	91	**2.21**	<0.01	0.21	7.75	0.03
Mazowe	DR36		February	**57.36**	102.6	104	0.13	0.79	7.85	0.03	
Mazowe	DR36		March	<2.00	110.0	89	**1.76**	<0.01	0.33	7.20	0.03
Mazowe	DR36		April	**35.95**	75.1	132	1.02	0.06	0.49	7.92	0.03
Mazowe	DR36		May	12.34	71.9	137	**1.14**	0.06	0.09	7.88	0.02
Mazowe	DR36		June	<2.00	76.1	124	**1.67**	0.05	0.15	7.80	0.04
Mazowe	DR36		July	<2.00	86.1	167	**1.73**	0.03	0.05	8.13	0.02
Mazowe	DR36		August	12.80	616.0	167	**1.98**	0.03	0.37	7.41	0.04
Mazowe	DR36		September	12.80	616.0	167	**1.98**	0.03	0.37	7.41	0.04
Mazowe	DR36		October	<2.00	68.1	238	1.03	0.07	0.26	6.97	0.06
Mazowe	DR36		November	7.26	65.5	292	0.32	0.07	0.36	8.74	0.02
Mazowe	DR36	2019	March	<2.00	63.4	145	**1.91**	0.02	0.19	8.08	0.01
Mazowe	DR36		April		64.6	178	0.99	0.04	0.34	8.45	0.01
Mazowe	DR36		June	<2.00	78.4	212	0.16	0.01	<0.01	7.91	0.06
Mazowe	DR36		July	<2.00	79.4	430	0.59	0.02	0.20	7.48	<0.01
Mazowe	DR36		August	<2.00	73.5	321	**3.13**	<0.01	0.36	8.64	0.08
Mazowe	DR36		September	3.26	**57.7**	282	<0.01	<0.01	<0.01	8.46	<0.01

Source: Environment Management Agency

Table Error! No text of specified style in document..34 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4
Mazowe	DR36	October	2.25	49.1	243	**13.95**	**3.20**	1.43	6.92	0.19	
Mazowe	DR36		November	<2.00	60.4	395	0.36	0.08	0.05	8.10	0.06
Mazowe	DR36		December	<2.00	54.7	319	**2.88**	0.19	0.29	8.45	0.04
Mazowe	DR36	2020	February	<2.00	70.1	103	**14.00**	0.11	0.78	7.81	**3.64**
Mazowe	DR36		March	17.66	94.5	173	**3.49**	<0.01	0.79	7.68	0.11
Mazowe	DR36		August	4.72	117.0	333	<0.01	0.07	0.04	6.97	0.01
Mazowe	DR36		September	16.83	106.0	348	<0.01	0.03	0.17	8.23	<0.01
Mazowe	DR36		December	<2.00	94.2	136	**6.90**	0.05	1.34	8.13	0.07
Mazowe	DR36	2021	January	<1	77.2	168	**11.00**	0.02	0.93	8.02	0.27
Mazowe	DR36		February	6.01	75.8	164	0.92	**0.13**	0.55	8.46	**0.55**
Mazowe	DR36		March	**31.80**	88.7	89	**1.96**	0.07	0.19	7.87	0.24
Mazowe	DR36		April	<2.00	99.9	140	0.63	0.02	0.25	7.03	0.04
Mazowe	DR36		July	4.03	71.0	144	0.33	0.04	2.29	7.26	0.04
Mazowe	DR36		September	<2.00	65.1	297	0.56	0.26	7.71	<0.01	Blue
Mazowe	DR36		November	<2.00	61.9	313	0.13	0.01	0.18	7.42	0.05
Mazowe	DR36		December	17.03	85.9	305	0.32	**0.11**	0.32	7.29	<0.01
Mazowe	DR36	2022	January	7.05	79.9	191	0.16	**0.12**	0.47	7.40	0.38
Mazowe	DR36		February	<2.00	**51.4**	212	**1.47**	<0.01	0.88	7.52	0.14
Mazowe	DR36		April	10.49	72.9	146	**1.68**	<0.01	0.58	7.13	0.17
Mazowe	DR36		May	4.05	80.6	171	0.24	<0.01	0.42	7.52	0.06
Mazowe	DR36		June		94.7	202	**1.71**	<0.01	0.23	7.67	0.08
Mazowe	DR36		July	3.77	84.1	194	0.56	<0.01	0.48	7.31	0.26
Mazowe	DR36		August	<2.00	68.0	223	**2.16**	0.03	0.24	7.50	0.10
Mazowe	DR36		September	6.21	79.5	334	0.14	0.03	0.16	7.50	<0.01
Mazowe	DR36		October	5.34	67.6	1344	<0.01	**3.20**	0.22	7.96	0.09

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)				**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
Mazowe	DR20	2017	January		<0.01	40	<0.01	<0.01	0.56	7.88	0.03	5	<0.01
Mazowe	DR20		February		178	3	<0.01	0.63	7.49	3.53	7	300	

Source: Environment Management Agency

Table Error! No text of specified style in document..35 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4	So4	Zn
Blue limit (Sensitive)													
Blue limit (Normal)													
Unit of measurement				**mg/l**	**mg/l Cu**		**mg/l Fe**	**mg/l Ni**	**mg/l N**	**mg/l P**		**mg/l SO_4**	**mg/l Zn**
Mazowe	DR1		March	14.47	76.2	311	<0.01	<0.01	0.25	7.85	0.10		
Mazowe	DR1		April										
Mazowe	DR1		May		64.0	322	<0.01	<0.01	0.23	8.28	0.03		
Mazowe	DR1		June	3.56	108.1	325	0.05	<0.01	<0.01	8.44	0.07		
Mazowe	DR1		July	<2.00	99.0	306	<0.01	0.20	0.04	8.17	0.06		
Mazowe	DR1		August	5.59	111.0	296	<0.01	0.03	<0.01	7.91	<0.01		
Mazowe	DR1		September	<2.00	102.0	296	<0.01	0.03	<0.01	**9.18**	0.03		
Mazowe	DR1		October										
Mazowe	DR1		November	<2.00	62.4	310	<0.01	<0.01	0.22	7.83	0.24		
Mazowe	DR1		December	15.93	70.7	332	0.01	<0.01	0.50	8.63	<0.01		
Mazowe	DR1	2021	January										
Mazowe	DR1		February										
Mazowe	DR1		March	3.27	81.0	282	0.40	**0.15**	0.34	8.06	0.05		
Mazowe	DR1		April	<2.00	99.6	262	0.09	<0.01	0.18	7.95	0.03		
Mazowe	DR1		May	17.00	97.8	555	0.07	0.02	0.50	8.05	<0.01		
Mazowe	DR1		June	<2.00	69.1	306	<0.01	**0.12**	0.37	7.80	<0.01		
Mazowe	DR1		July	**35.04**	73.5	375	<0.01	0.03	2.29	6.56	<0.01		
Mazowe	DR1		August	2.02	**59.4**	386	<0.01	<0.01	0.30	7.83	0.01		
Mazowe	DR1		September	<2.00	66.4	381	0.08	0.01	0.32	7.63	<0.01		
Mazowe	DR1		October	<2.00	61.5	335	<0.01	0.01	0.42	6.95	0.06		
Mazowe	DR1		November	<2.00	**51.8**	327	0.19	**0.17**	0.25	6.44	<0.01		
Mazowe	DR1		December	7.58	69.0	298	0.28	0.04	0.38	6.34	0.01		
Mazowe	DR1	2022	January	7.02	70.5	309	0.60	**0.33**	0.93	7.18	0.35		
Mazowe	DR1		February	5.21	**51.4**	339	**1.31**	0.02	0.86	6.98	0.09		
Mazowe	DR1		March	<2.00	**47.7**	395	0.20	0.06	0.34	7.35	0.05		
Mazowe	DR1		April	2.75	64.9	333	0.06	<0.01	0.27	7.64	0.10		
Mazowe	DR1		May										
Mazowe	DR1		June										
Mazowe	DR1		July	15.29	73.0	380	<0.01	<0.01	0.21	7.69	0.16		
Mazowe	DR1		August	<2.00	66.3	342	<0.01	0.07	0.22	7.88	0.07		
Mazowe	DR1		September	3.31	78.4	314	0.27	0.02	0.46	7.55	<0.01		
Mazowe	DR1		October	<2.00	77.8	373	<0.01	<0.01	0.11	7.67	0.10		
Mazowe	DR19	2017	January	50	223	5	<0.01	7.77	3.08	<0.01	222	**174**	<0.01
Mazowe	DR19		March	3	171	*	**1.12**	0.08	0.57	7.65	0.07	<1	<0.01

Source: Environment Management Agency

Table Error! No text of specified style in document..36 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	COD	Cu	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)													
Blue limit (Normal)													
Unit of measurement				**mg/l**	**mg/l**	**mg/l Cu**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
Mazowe	DR19		April	<2	<0.01		0.62	<0.01	0.70	8.14	0.04	5	0.03
Mazowe	DR19	2017	May	<2	70.0	243	0.56	0.10	0.32	7.45	0.04		
Mazowe	DR19		July	2.80	76.5	286	0.48	0.10	0.53	8.01	<0.01		
Mazowe	DR19		August	0.15	**45.6**	301	<0.01	0.02	0.27	7.67	0.02		
Mazowe	DR19		September	2.29	74.3	325	0.34	<0.01	0.20	7.67	0.15		
Mazowe	DR19		October	2.95	67.0	**1914**	0.66	0.03	0.73	7.31	0.01		
Mazowe	DR19		November	**32.94**	77.6	256	0.46	<0.01	0.16	6.12	0.01		
Mazowe	DR19		December	<2.00	85.4	159	0.82	<0.01	0.37	7.28	0.05		
Mazowe	DR19	2018	January	9.50	112.4	119	0.85	<0.01	0.30	7.95	0.01		
Mazowe	DR19		February	<2.00	71.6	292	**1.57**	**0.20**	0.49	6.56	0.07		
Mazowe	DR19		March	<2.00	115.6	134	**1.64**	<0.01	0.20	7.14	<0.01		
Mazowe	DR19		April	5.45	71.4	**2039**	1.02	0.03	0.37	7.51	0.03		
Mazowe	DR19		May	<2.00	61.5	239	**3.31**	0.27	0.35	8.11	0.05		
Mazowe	DR19		June	<2.00	80.4	255	**2.54**	0.06	0.40	8.15	0.06		
Mazowe	DR19		July	<2.00	86.3	277	**1.32**	0.05	0.24	7.87	0.06		
Mazowe	DR19		August	16.20	83.4	59	**1.20**	0.06	0.18	7.13	<0.01		
Mazowe	DR19		October	<2.00	61.3	347	0.51	0.08	5.07	7.68	0.04		
Mazowe	DR19		November	10.74	70.8	105	0.47	0.10	0.19	8.12	0.01		
Mazowe	DR19		December	11.40	63.6	226	0.64	0.02	0.60	7.64	*		
Mazowe	DR19	2019	March	<2.00	67.7	347	<0.01	0.05	0.26	8.16	0.01		
Mazowe	DR19		May	17.85	66.2	356	0.67	<0.01	0.33	7.97	0.16		
Mazowe	DR19		June	<2.00	81.6	323	0.18	<0.01	<0.01	6.85	0.03		
Mazowe	DR19		July	9.16	76.8	376	0.43	0.04	0.28	7.32	<0.01		
Mazowe	DR19		August	<2.00	54.4	418	**2.36**	0.15	0.54	8.54	0.09		
Mazowe	DR19		September	2.29	**52.4**	322	0.84	0.03	<0.01	8.68	0.05		
Mazowe	DR19		October	6.70	66.0	335	0.71	**0.33**	0.35	7.08	0.01		
Mazowe	DR19		November	<2.00	64.3	246	1.02	0.06	0.43	8.07	0.24		
Mazowe	DR19		December	<2.00	59.2	292	**2.99**	0.10	0.48	8.08	0.04		
Mazowe	DR19	2020	January	2.08	**50.3**	343	0.35	<0.01	0.25	7.83	0.06		
Mazowe	DR19		February	<2.00	85.1	313	0.24	0.04	0.33	8.10	0.09		
Mazowe	DR19		March	13.55	88.2	252	**2.69**	<0.01	0.65	7.97	0.02		
Mazowe	DR19		May		71.5	395	<0.01	0.05	0.28	7.93	0.01		
Mazowe	DR19		June	5.49	109.6	417	0.97	<0.01	0.11	7.15	0.18		
Mazowe	DR19		July	<2.00	111.0	352	0.13	<0.01	0.09	8.13	0.19		
Mazowe	DR19		August	26.08	**48.0**	442	<0.01	**0.38**	0.23	7.72	<0.01		

Source: Environment Management Agency

Table Error! No text of specified style in document..37 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	COD	Cu	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)													
Blue limit (Normal)													
Unit of measurement		**mg/l**	**mg/l**	**mg/l Cu**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**		
Mazowe	DR19		September	<2.00	105.0	331	0.04	0.04	0.07	8.51	0.01		
Mazowe	DR19		October	11.66	98.0	**2679**	0.26	<0.01	0.29	7.88	0.01		
Mazowe	DR19		December	10.03	89.9	280	**1.50**	0.04	0.69	8.58	0.07		
Mazowe	DR19	2021	January	<1	68.7	271	<0.01	<0.01	0.24	7.81	0.08		
Mazowe	DR19		February	18.09	77.8	226	0.81	**0.18**	0.45	8.27	0.06		
Mazowe	DR19		May	20.09	90.4	210	**1.95**	0.06	0.36	7.92	0.01		
Mazowe	DR19		June	3.96	75.1	144	0.26	0.08	0.78	7.65	0.01		
Mazowe	DR19		July	6.16	71.6	376	0.50	**0.13**	3.48	7.59	<0.01		
Mazowe	DR19		August	2.98	64.0	335	0.49	0.01	0.54	7.59	0.03		
Mazowe	DR19		September	11.54	67.7	305	0.77	<0.01	0.37	7.44	<0.01		
Mazowe	DR19		October	3.38	64.4	241	**2.73**	0.08	0.75	6.77	0.15		
Mazowe	DR19		November	<2.00	61.6	253	0.35	0.06	0.19	6.93	0.04		
Mazowe	DR19		December	19.55	82.4	237	0.59	**0.11**	0.63	7.31	0.03		
Mazowe	DR19	2022	January	7.63	80.1	284	0.54	0.08	0.61	7.29	0.45		
Mazowe	DR19		February	<2.00	**58.3**	293	**1.76**	0.02	0.96	7.66	0.16		
Mazowe	DR19		March	<2.00	**29.0**	259	0.85	0.12	0.49	7.20	0.09		
Mazowe	DR19		April	20.93	77.3	233	0.87	0.02	0.48	7.92	0.15		
Mazowe	DR19		May	<2.00	91.8	247	0.15	<0.01	0.55	7.99	0.03		
Mazowe	DR19		June	94.0	329	0.33	0.05	0.62	7.34	0.11			
Mazowe	DR19		July	<2.00	80.9	291	0.49	0.08	0.89	7.06	0.35		
Mazowe	DR19		August	<2.00	74.5	565	0.79	0.07	0.37	7.76	0.09		
Mazowe	DR19		September	10.66	77.5	217	0.18	0.02	0.57	7.71	<0.01		
Mazowe	DR18	2017	Mar		37	<0.01	<0.01	<0.01	1.35	8.05	0.06	94	<0.01
Mazowe	DR18		May		34	<0.01	0.04	<0.01	1.00	7.78	0.04	44	<0.01
Mazowe	DR18		June			<0.01	1.02	0.01	0.97	8.21	<0.01	<1	<0.01
Mazowe	DR18		July	<2		<0.01	0.08	<0.01	1.04	8.14	0.11	21	<0.01
Mazowe	DR18		Aug	<2	82.6	535	0.35	<0.01	0.66	8.07	0.02		
Mazowe	DR18		Sept	<2.00	82.8	513	0.17	**0.40**	0.78	8.06	0.02		
Mazowe	DR18		Nov	<2.00	92.0	452	**3.83**	0.02	0.74	7.52	0.04		
Mazowe	DR18		Dec	<2.00	81.1	326	0.11	**0.36**	1.63	6.43	<0.01		
Mazowe	DR18	2018	Jan	<2.00	101.7	472	**1.34**	0.06	2.07	7.18	0.07		
Mazowe	DR18		Feb	<2.00	105.6	285	<0.01	<0.01	0.58	8.35	<0.01		
Mazowe	DR18		Apr	<2.00	83.1	487	**1.77**	**0.19**	0.90	7.92	0.07		

Source: Environment Management Agency

Table Error! No text of specified style in document..38 (continued): Mazowe River Ambient Monitoring Points

River	Point	Year	Month	BOD	COD	Cu	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)													
Blue limit (Normal)													
Unit of measurement				**mg/l**	**mg/l**	**mg/l Cu**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
Mazowe	DR18		May	<2.00	89.0	533	0.43	0.02	6.23		7.70	0.03	
Mazowe	DR18		Aug	7.21	86.9	559	0.12	0.05	0.82		6.88	<0.01	
Mazowe	DR18		Jul	<2.00	86.0	567	0.05	0.04	0.57		6.53	<0.01	
Mazowe	DR18		Oct	<2.00	67.5	496	0.20	<0.01	0.31		7.81	0.02	
Mazowe	DR18		Nov	8.03	71.4	563	0.18	0.08	0.54		8.31	0.01	
Mazowe	DR18		Dec	4.25	67.3	496	0.60	0.01	0.59		8.42		
Mazowe	DR18	2019	Mar	<2.00	67.8	514	0.23	0.01	0.64		8.22	<0.01	
Mazowe	DR18		May	<2.00	75.1	595	0.10	0.01	1.65		8.00	<0.01	
Mazowe	DR18		June	<2.00	83.0	**1358**	0.18	<0.01	<0.01		8.37	0.04	
Mazowe	DR18		July	<2.00	**24.8**	627	0.23	0.10	0.65		8.12	<0.01	
Mazowe	DR18		Aug	<2.00	74.8	618	<0.01	<0.01	1.63		8.79	<0.01	
Mazowe	DR18		Sept	10.33	62.6	562	0.24	0.08	0.90		7.75	<0.01	
Mazowe	DR18		Nov	<2.00	**59.6**	472	0.36	**0.12**	<0.01		7.80	<0.01	
Mazowe	DR18		Dec	<2.00	**56.1**	470	0.53	<0.01	0.41		8.16	0.02	
Mazowe	DR18	2020	Jan	<2.00	60.50	561.00	<0.01	0.40	0.00		8.27	0.00	
Mazowe	DR18		Mar	20.41	86.8	553	<0.01	<0.01	0.84		8.63	0.11	
Mazowe	DR18		Oct	9.34	110.8	**2679**	<0.01	<0.01	0.28		9.14	0.01	
Mazowe	DR18	2021	Jul	23.63	76.1	**3230**	<0.01	0.08	4.03		**3.25**	<0.01	
Mazowe	DR18		Oct	<2.00	70.5	645	0.01	0.01	1.35		6.94	0.08	
Mazowe	DR18		Nov	5.44	**56.6**	532	0.25	0.07	1.43		6.72	<0.01	

Source: Environment Management Agency

Table Error! No text of specified style in document..39: Runde River Ambient Monitoring Points

River	Point	Year		BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)				**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**	**mg/l P**		**mg/l SO_4**	**mg/l Zn**
Runde	DR14	2017	January		<0.01	57	<0.01	<0.01	0.77	7.32	0.43	51	<0.01
Runde	DR14		March		<0.01		0.57	<0.01	0.74	7.51	0.01	<1	<0.01
Runde	DR14	2017	May	23.22	**30.4**	351	0.80	0.14	0.77	6.98	0.55		
Runde	DR14		June	19.51	**22.0**	440	0.75	0.38	1.13	7.22	0.56		
Runde	DR14		July	<2	**15.5**	406	1.15	0.25	1.12	7.31	2.15		
Runde	DR14	2018	February	5.70	**35.5**	387			0.68	7.63	0.48		
Runde	DR14	2019	July	20.19	**22.4**	535	**9.40**	0.34	1.40	6.91	1.42		

Source: Environmental Management Agency

Table Error! No text of specified style in document..40: Sanyati River Ambient Monitoring Point

River	Point	Year		BOD	Cu	COD	Fe	Ni	NO3	pH	PO4	SO4	Zn
Blue limit (Sensitive)		**15**		**1**	**30**		**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)		**30**		**1**	**60**		**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement		**mg/l**		**mg/l Cu**	**mg/l**		**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
Sanyati	DCR7	2017	January		<0.01	38	<0.01	<0.01	0.36	7.59	0.03	5	<0.01
Sanyati	DCR7		February		<0.01		<0.01	<0.01	0.69	7.22	0.02	4	<0.01
Sanyati	DCR7		March		<0.01		**2.42**	<0.01	0.97	7.77	0.02	<1	<0.01
Sanyati	DCR7		May		<2		0.44		1.74	7.66	0.01		
Sanyati	DCR7		June		10.13		<0.01		0.32	7.95	<0.01		
Sanyati	DCR7		July		<2		0.18		0.21	7.99	0.01		
Sanyati	DCR7	2018	January		9.54	89.6	80	**3.12**	<0.01	0.35	7.51		
Sanyati	DCR7		March	<2.00	96.00	129	**2.28**	<0.01	0.81	7.44	0.03		
Sanyati	DCR7		April	<2.00	84.2	127	**1.72**	0.02	0.65	8.61	0.11		
Sanyati	DCR7		May	<2.00	78.6	191	**1.26**	0.02	0.42	6.85	0.05		
Sanyati	DCR7		June	<2.00	78.9	104	**2.13**	<0.01	0.85	8.69	0.03		
Sanyati	DCR7		July	<2.00	66.5	239	0.28	0.04	0.06	8.18	0.03		
Sanyati	DCR7		August	<2.00	67.9	288	0.04	0.01	0.21	8.05	<0.01		
Sanyati	DCR7		September	23.69	**28.5**	304	<0.01	0.04	0.36	7.88	0.08		
Sanyati	DCR7		October	6.90	**57.9**	302	0.03	0.01	0.84	8.51	0.06		
Sanyati	DCR7		November	<2.00	**58.9**	399	0.04	0.05	0.18	8.75			
Sanyati	DCR7	2019	February	18.27	65.3	300	0.31	0.04	0.45	8.22	0.01		
Sanyati	DCR7		March	19.04	63.9	177	<0.01	<0.01	0.27	8.83	<0.01		
Sanyati	DCR7		April	<2.00	70.1	195	0.46	0.04	0.24	7.73	<0.01		
Sanyati	DCR7		May	2.29	64.9	189	0.24	0.03	0.31	6.57	0.04		
Sanyati	DCR7		June	<2.00	79.3	261	0.12	<0.01	<0.01	8.53	<0.01		
Sanyati	DCR7		July	<2.00	78.1	295	0.11	0.04	0.22	8.08	0.01		
Sanyati	DCR7		August	<2.00	69.0	361	<0.01	<0.01	0.33	**9.00**	0.02		
Sanyati	DCR7		September	4.90	68.4	207	<0.01	<0.01	<0.01	8.27	<0.01		
Sanyati	DCR7		October	5.05	60.5	367	<0.01	<0.01	0.10	8.02	0.12		
Sanyati	DCR7		November	11.81	**55.8**	473	<0.01	<0.01	0.37	8.51	0.08		
Sanyati	DCR7		December	<2.00	60.9	405	0.17	<0.01	0.35	**9.14**	0.04		
Sanyati	DCR7	2020	March	<2.00	69.0	111	**3.85**	<0.01	0.86	7.46	0.04		
Sanyati	DCR7		August	23.09	137.0	260	<0.01	<0.01	0.27	8.53	0.03		
Sanyati	DCR7		September	<2.00	114.0	266	<0.01	0.04	0.44	7.99	0.09		
Sanyati	DCR7		October	<2.00	127.0	289	<0.01	0.04	<0.01	**9.05**	<0.01		
Sanyati	DCR7		November	4.12	101.0	298	<0.01	0.01	0.33	**9.01**	0.11		
Sanyati	DCR7		December	<2	61.9	**783**	<0.01	<0.01	0.40	7.84	0.06		
Sanyati	DCR7	2021	January	4.47	85.2	204	**3.06**	0.02	1.15	7.60	0.05		
Sanyati	DCR7		April	<2.00	94.2	249	0.44	0.04	0.50	7.51	0.06		
Sanyati	DCR7		May	<2.00	119.5	290	0.02	<0.01	0.14	8.33	<0.01		

Source: Environmental Management Agency

Table Error! No text of specified style in document..41 (continued): Sanyati River Ambient Monitoring Point

River	Point	Year		BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)				**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
Sanyati	DCR7		June	12.15	80.5	333	<0.01	0.07	0.43	7.85	<0.01		
Sanyati	DCR7		July	11.33	77.8	345	<0.01	0.01	1.70	7.48	<0.01		
Sanyati	DCR7		August	4.05	72.1	577	<0.01	<0.01	0.31	7.65	0.03		
Sanyati	DCR7		September	<2.00	67.3	804	<0.01	0.01	0.32	7.97	<0.01		
Sanyati	DCR7		November	2.44	**55.6**	449	0.02	0.05	0.37	7.91	<0.01		
Sanyati	DCR7		December	<2.00	76.3	355	0.10	0.06	0.58	7.10	0.05		
Sanyati	DCR7	2022	January		<2.00	76.4	231	0.77	0.04	5.38	7.13	0.13	<0.01
Sanyati	DCR7		February	<2.00	**41.0**	244	0.84	<0.01	1.78	8.28	0.07		<0.01
Sanyati	DCR7		March	<2.00	60.0	255	0.38	<0.01	1.18	7.25	0.03		
Sanyati	DCR7		April	<2.00	79.1	283	<0.01	0.01	0.35	7.12	0.18		
Sanyati	DCR7		May	<2.00	82.8	299	0.16	<0.01	0.36	8.23	0.08		
Sanyati	DCR7		June		78.5	392	<0.01	0.02	0.60	7.91	0.22		
Sanyati	DCR7		July	<2.00	79.0	379	0.04	<0.01	0.23	6.87	0.23		
Sanyati	DCR7		August	<2.00	81.7	424	<0.01	0.03	0.23	8.16	0.06		
Sanyati	DCR7		September	<2.00	70.8	482	<0.01	<0.01	0.30	8.62	<0.01		
Sanyati	DCR7		October	<2.00	73.3	484	<0.01	0.01	0.14	8.90	0.05		
Sanyati	DCR8	2019	April	<2.00	83.5	131	**1.74**	0.01	0.56	8.04	0.04		
Sanyati	DCR8		May	9.10	77.9	197	**1.84**	0.05	0.41	6.87	0.03		
Sanyati	DCR8		June	16.15	78.6	117	**2.00**	0.12	0.85	8.30	0.08		
Sanyati	DCR8		July	<2.00	65.3	262	0.18	0.02	0.31	8.11	0.03		
Sanyati	DCR8		August	<2.00	68.3	284	0.07	0.02	0.21	7.84	0.04		
Sanyati	DCR8		September	2.81	66.2	331	0.08	0.03	0.20	7.85	0.01		
Sanyati	DCR8		November	<2.00	63.8	434	0.07	0.07	0.21	8.95			
Sanyati	DCR8		March	<2.00	62.2	184	0.09	0.01	0.80	8.03	0.02		
Sanyati	DCR8		May	3.74	61.1	186	0.11	0.01	0.25	7.95	0.01		
Sanyati	DCR8		October	<2.00	**54.2**	303	0.32	<0.01	1.56	7.64	0.06		
Sanyati	DCR8		November	8.91	**45.7**	250	<0.01	<0.01	0.87	7.67	0.08		
Sanyati	DCR8	2020	March	<2.00	74.6	138	**3.52**	<0.01	0.49	7.63	0.02		
Sanyati	DCR8		December	38.26	86.8	77	**22.40**	0.03	1.28	7.66	<0.01		
Sanyati	DCR8	2021	January	<2.00	83.9	109	**5.36**	0.03	1.24	7.99	0.29		
Sanyati	DCR8		February	<2.00	77.1	138	**2.96**	<0.01	0.70	7.72	0.10		
Sanyati	DCR8		April	4.22	96.7	248	0.40	0.04	0.48	7.60	0.48		
Sanyati	DCR8		May	<2.00	117.0	263	0.03	<0.01	0.16	7.58	<0.01		
Sanyati	DCR8		June	9.93	79.8	267	<0.01	0.06	0.50	7.60	<0.01		

Source: Environmental Management Agency

Table Error! No text of specified style in document..42 (continued): Sanyati River Ambient Monitoring Point

River	Point	Year	Month	BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn	
Blue limit (Sensitive)		**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**			
Blue limit (Normal)		**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**			
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**	
Sanyati	DCR8	2021	July	9.20	77.0	340	<0.01	0.01	1.74	7.40		<0.01		
Sanyati	DCR8		September	<2.00	75.2	424	0.02	0.01	0.35	8.05		<0.01		
Sanyati	DCR8		November	<2.00	**52.1**	466	<0.01	<0.01	0.16	7.76		<0.01		
Sanyati	DCR8		December	<2.00	62.1	364	0.11	0.05	0.23	7.06		0.01		
Sanyati	DCR8	2022	January	13.41	72.4	236	0.96	0.04	1.73	7.36		0.41		
Sanyati	DCR8		February	16.23	**39.4**	199	1.15	<0.01	1.07	7.70		0.08		
Sanyati	DCR8		March	<2.00	**45.4**	224	0.32	<0.01	0.68	7.52		0.03		
Sanyati	DCR8		April	<2.00	79.5	234	<0.01	0.02	0.51	7.66		0.20		
Sanyati	DCR8		May	11.25	71.6	272	**3.47**	0.01	1.72	7.60		0.29		
Sanyati	DCR8		June		95.5	261	0.12	0.03	0.28	7.06		0.22		
Sanyati	DCR8		July	<2.00	80.6	437	0.08	<0.01	0.26	6.02		0.18		
Sanyati	DCR8		August	<2.00	80.2	285	<0.01	0.04	0.29	7.79		0.05		
Sanyati	DCR8		September	<2.00	77.2	291	0.02	**0.18**	2.57	7.32		0.24		
Sanyati	DCR8		October	4.38	75.0	334	<0.01	0.01	0.19	8.28		0.06		
SANYATI	DR60	2017	Jan		<0.01	53	3.03	<0.01	1.08	6.78		0.01	2	<0.01
SANYATI	DR60		Feb		<0.01	39	0.96	<0.01	0.64	7.22		<0.01	4	<0.01
SANYATI	DR60		Mar		<0.01		0.54	<0.01	0.49	7.21		0.02	<1	<0.01
SANYATI	DR60		Apr	<2	<0.01		0.12	<0.01	0.41	7.53		0.05	2	<0.01
SANYATI	CR122	2017	May	3.77	74.4	240	0.27	<0.01	0.18	7.93		<0.01		
SANYATI	CR122		Jul	<2	69.2	304	0.10	<0.01	0.15	8.62		<0.01		
SANYATI	CR122		Aug	22.38	**24.7**	323	0.30	0.21	0.43	7.48		0.07		
SANYATI	CR122		Sep	<2.00	81.2	391	0.15	<0.01	0.13	8.21		0.01		
SANYATI	CR122		Nov	**35.74**	88.5	346	0.08	<0.01	0.50	6.27		0.08		
SANYATI	CR122	2019	Feb	<2.00	66.4	173	0.33	0.02	0.63	7.99		0.04		
SANYATI	CR122		Apr	16.34	61.1	137	0.47	0.05	0.30	7.52		<0.01		
SANYATI	CR122		May	<2.00	62.5	264	0.98	0.01	0.21	6.32		0.10		
SANYATI	CR122	2020	May		73.3	217	<0.01	<0.01	0.36	8.09		0.01		
SANYATI	CR122		Jun	14.60	96.0	223	0.23	<0.01	0.22	8.49		0.09		
SANYATI	CR122		Jul	4.04	112.0	264	0.22	0.01	0.18	7.93		0.04		

Source: Environmental Management Agency

Table Error! No text of specified style in document..43 (continued): Sanyati River Ambient Monitoring Points

River	Point	Year		BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4
Unit of measurement				mg/l	Saturation%	uS/cm	mg/l Fe	mg/l Mn	mg/l N	#REF!	mg/l P
SANYATI	CR122		Oct	<2.00	65.4	354	<0.01	0.01	0.42	8.03	0.04
SANYATI	CR122		Nov	18.82	86.8	293	0.92	**0.31**	1.10	8.18	0.05
SANYATI	CR122	2021	Jan	<2.00	46.5	115	**10.60**	0.09	1.30	7.28	0.18
SANYATI	CR122		Feb	9.04	75.7	598	<0.01	0.02	0.42	7.99	0.04
SANYATI	CR122		Mar	<2.00	95.6	140	0.17	<0.01	0.47	7.78	0.05
SANYATI	DR60	2017	May	2.27	72.9	83	**1.32**	<0.01	0.49	7.47	0.11
SANYATI	DR60		Aug	<2	69.9	209	0.41	<0.01	0.21	7.23	0.01
SANYATI	DR60	2018	Feb	2.01	99.5	197	0.89	<0.01	1.64	8.43	<0.01
SANYATI	DR60		Mar	<2.00	91.2	89	**3.12**	<0.01	1.14	7.36	0.02
SANYATI	DR60		May	<2.00	80.1	107	1.00	<0.01	0.50	6.70	0.05
SANYATI	DR60		Jul	<2.00	67.5	107	**1.58**	<0.01	0.17	7.40	0.06
SANYATI	DR60	2019	Feb	28.71	76.1	258	0.26	0.06	0.40	7.52	0.03
SANYATI	DR60		Apr	5.20	67.0	135	**2.48**	<0.01	1.09	7.28	0.05
SANYATI	DR60		May	17.57	**58.5**	205	0.16	0.02	0.30	7.60	0.01
SANYATI	DR60		Jun	<2.00	**55.8**	144	1.08	<0.01	<0.01	6.84	<0.01
SANYATI	DR60		Jun	<2.00	81.8	158	0.41	<0.01	<0.01	7.80	0.01
SANYATI	DR60		Jul	27.81	90.2	123	**1.15**	0.05	0.71	7.72	0.11
SANYATI	DR60		Aug	<2.00	**55.0**	143	<0.01	<0.01	0.34	8.92	0.45
SANYATI	DR60		Sep	17.24	66.0	88	<0.01	0.02	0.35	8.04	<0.01
SANYATI	DR60		Oct	15.21	**53.4**	505	0.37	0.01	0.15	8.10	0.04
SANYATI	DR60		Nov	<2.00	61.1	150	0.79	0.02	<0.01	8.07	0.04
SANYATI	DR60	2021	Jan	<2.00	83.0	92	**3.57**	0.02	0.84	8.01	0.07
SANYATI	DR60		Feb	3.46	81.6	62	1.09	**0.22**	0.62	7.57	0.01
SANYATI	DR60		Mar	**38.86**	92.6	94	**1.19**	0.02	0.30	7.72	<0.01
SANYATI	DR60		Apr	<2.00	94.1	128	0.44	<0.01	0.33	7.24	0.01
SANYATI	DR60		May	<2.00	91.9	197	1.01	**0.13**	0.25	6.86	<0.01
SANYATI	DR60		Nov	3.64	**59.7**	7	0.66	**0.13**	0.28	6.91	0.09
SANYATI	DR60	2022	Jan	<2.00	77.4	104	0.27	0.07	0.64	7.03	0.10
SANYATI	DR60		Mar	2.26	60.2	127	0.31	<0.01	0.71	7.14	0.09
SANYATI	DR60		Apr	<2.00	79.5	96	0.47	0.03	0.46	6.66	<0.01
SANYATI	DR60		May	3.96	73.2	104	**2.01**	<0.01	1.21	7.57	0.14
SANYATI	DR60		Jun		92.8	200	0.41	0.04	0.46	7.38	0.18
SANYATI	DR60		Jul	<2.00	85.1	268	**5.50**	0.03	0.49	7.17	0.26
SANYATI	DR60		Aug	2.11	71.2	300	0.10	0.07	0.34	7.65	0.10

Source: Environmental Management Agency

Table Error! No text of specified style in document..44: Save River Ambient Monitoring Points

River	Point	Year		BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)				**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**		**mg/l P**	**mg/l SO_4**	**mg/l Zn**
SAVE	ER57	2017	January		<0.01	55	0.03	<0.01	0.72	7.73	0.03	15	<0.01

River	Point	Year		BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4
Unit of measurement				**mg/l**	**Saturation%**	**uS/cm**	**mg/l Fe**	**mg/l Mn**	**mg/l N**	**0**	**mg/l P**
SAVE	ER57	2017	May	<2	69.3	145	0.59	<0.01	0.35	8.04	0.02
SAVE	ER57		June				0.30	0.03	0.34	8.04	0.01
SAVE	ER57		July	<2	**23.1**	430	0.25	0.02	0.12	7.74	0.04
SAVE	ER57		September	18.28	**44.0**	357	0.53	0.09	0.23	7.31	0.25
SAVE	ER57		October	<2.00	64.0	201	0.17	0.04	0.19	6.70	0.03
SAVE	ER57		November	7.22	88.4	179	0.43	<0.01	0.07	6.48	<0.01
SAVE	ER57		December	24.47	89.5	53	0.10	<0.01	0.36	7.52	<0.01
SAVE	ER57	2018	January	5.77	109.0	81	1.47	<0.01	0.47	7.99	<0.01
SAVE	ER57		February	<2.00	109.9	77	<0.01	0.06	0.17	7.15	0.01
SAVE	ER57		April	<2.00	78.5	47	0.46	0.02	0.17	7.78	<0.01
SAVE	ER57		May	<2.00	62.8	81	0.14	0.02	4.04	7.70	0.02
SAVE	ER57		June	13.08	79.1	51	0.29	<0.01	0.27	7.76	<0.01
SAVE	ER57		July	<2.00	82.6	128	0.17	0.07	3.22	6.84	0.04
SAVE	ER57		November	5.08	**54.0**	178	0.18	<0.01	0.13	6.86	
SAVE	ER57	2019	December		**29.9**	190	2.20	0.13	0.74	7.65	0.56
SAVE	ER57	2020	January	12.31	**59.2**	255	0.46	0.02	0.13	8.52	0.03
SAVE	ER57		February	<2.00	79.5	259	0.01	0.01	0.26	7.46	0.08
SAVE	ER57		March	<2.00	83.8	160	0.09	<0.01	0.21	7.67	0.07
SAVE	ER57		October	<2.00	108.0	247	<0.01	0.03	0.10	8.18	0.05
SAVE	ER57		November	<2	91.8	249	<0.01	<0.01	0.08	8.23	0.02
SAVE	ER57	2021	January	<2.00	593.0	165	**1.93**	0.03	0.58	8.08	0.07
SAVE	ER57		February	18.96	**25.5**	137	2.72	**0.64**	0.50	6.89	0.08
SAVE	ER57		March	8.28	102.9	165	0.54	0.01	0.18	7.73	0.04
SAVE	ER57		May	18.55	94.5	200	0.25	<0.01	0.22	7.74	<0.01
SAVE	ER57		June	11.17	71.1	188	1.11	0.04	0.61	8.27	<0.01
SAVE	ER57		July	<2.00	78.3	254	0.15	0.03	0.75	7.40	0.02
SAVE	ER57		September	<2.00	62.4	90	0.34	<0.01	0.71	7.60	<0.01
SAVE	ER57		October	<2.00	61.7	258	<0.01	<0.01	0.56	6.81	0.13
SAVE	ER57		November	6.50	64.1	54	0.24	<0.01	0.51	6.61	<0.01

Source: Environmental Management Agency

Table Error! No text of specified style in document..45(continued): Save River Ambient Monitoring Points

River	Point	Year		BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4		
Unit of measurement				mg/l	Saturation%	uS/cm	mg/l Fe	mg/l Mn	mg/l N		0 mg/l P		
SAVE	ER57	2022	January	9.65	73.1	232	0.30	0.06	0.76	6.63	0.66		
SAVE	ER57		February	14.98	39.1	271	0.44	<0.01	0.74	6.55	0.08		
SAVE	ER57		March	<2.00	65.3	139	0.20	0.01	0.09	8.16	0.12		
SAVE	ER57		April	7.97	65.9	183	0.13	<0.01	0.22	6.90	0.12		
SAVE	ER57		May	<2.00	85.9	159	0.20	<0.01	5.96	6.68	0.04		
SAVE	ER57		June		65.4	205	0.07	<0.01	0.25	7.51	0.15		
SAVE	ER57		July	7.93	77.6	213	0.63	<0.01	0.16	6.88	0.23		
SAVE	ER57		September	<2.00	70.0	446	<0.01	<0.01	0.12	7.75	<0.01		
SAVE	ER57		October	<2.00	75.3	242	<0.01	<0.01	<0.01	7.62	0.10		
SAVE	ER90	2017	jan		76	<1	<0.01	0.50	7.22	<1	4	262	
SAVE	ER90				<0.01	<2	0.70	0.01	0.29	7.61	0.01	<1	<0.01
SAVE	ER90		feb		<0.01	<2	<0.01	0.31	7.88	3.88	1	150	
SAVE	ER90		apr			<2	0.43		0.46	7.82	<0.01		
SAVE	ER90		may			14.87	<0.01		0.14	7.90	0.03		
SAVE	ER90		jun			<2	0.28		0.06	8.14	<0.01		
SAVE	ER90		jul			<2	0.07		0.04	8.10	<0.01		
SAVE	ER90		aug			<2.00	<0.01		0.12	7.78	0.01		
SAVE	ER90		oct			<2.00	0.17		0.12	7.49	0.01		
SAVE	ER90		nov			23.17	0.32		0.20	6.51	0.10		
SAVE	ER90		dec			3.80	0.30		0.20	7.18	0.06		
SAVE	ER90	2018	January	7.80	105.0	135	**3.10**	<0.01	0.29	6.68	<0.01		
SAVE	ER90		February	27.43	107.7	231	0.92	<0.01	0.48	8.76	0.01		
SAVE	ER90		March	<2.00	91.90	60	**1.42**	<0.01	0.40	7.39	0.03		
SAVE	ER90		April	<2.00	70.1	384	0.67	0.02	0.11	7.90	0.01		
SAVE	ER90		May	10.75	50.5	51	0.16	0.01	0.20	7.27	0.03		
SAVE	ER90		June	4.28	64.1	113	0.58	**4.00**	0.26	8.13	<0.01		
SAVE	ER90		July	<2.00	86.0	76	0.53	0.07	<0.01	7.20	<0.01		
SAVE	ER90		September	<2.00	86.0	76	0.53	0.07	<0.01	7.20	<0.01		
SAVE	ER90		October	2.95	62.1	304	0.33	<0.01	0.44	7.04	0.13		
SAVE	ER90		November	<2.00	**58.7**	64	0.45	0.05	0.14	7.50			
SAVE	ER90	2019	feb	<2.00	**54.9**	175	0.38	<0.01	0.27	8.15	<0.01		
SAVE	ER90		may	3.06	62.4	261	<0.01	0.08	4.89	7.87	<0.01		
SAVE	ER90		nov	<2.00	**36.3**	244	0.22	0.02	<0.01	7.89	<0.01		
SAVE	ER90		dec		**46.8**	62	1.11	0.03	0.53	6.34	0.28		
SAVE	ER90	2020	mar	11.91	73.5	200	0.79	<0.01	0.47	7.69	0.11		

Source: Environmental Management Agency

Table Error! No text of specified style in document..46(continued): Save River Ambient Monitoring Points

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4	SO_4	Zn
Unit of measurement				mg/l	Saturation%	uS/cm	mg/l Fe	mg/l Mn	mg/l N	0	mg/l P	mg/l	
SAVE	ER90		nov	<2	83.9	370	<0.01	<0.01	0.34	8.20	0.12		
SAVE	ER90	2021	jan	<2.00	83.5	113	2.01	0.01	0.73	7.92	<0.01		
SAVE	ER90		feb	15.81	85.5	65	0.44	<0.01	0.24	7.86	0.01		
SAVE	ER90		apr	<2.00	114.3	112	0.32	<0.01	0.17	7.37	0.05		
SAVE	ER90		may	16.71	106.0	109	0.27	<0.01	0.05	7.65	<0.01		
SAVE	ER90		jun	12.43	70.8	127	<0.01	0.04	0.40	7.90	<0.01		
SAVE	ER90		jul	9.35	72.2	92	<0.01	0.01	1.71	7.51	<0.01		
SAVE	ER90		oct	2.71	60.7	161	<0.01	<0.01	0.20	6.70	0.11		
SAVE	ER90		nov	<2.00	**50.6**	184	0.19	<0.01	<0.01	6.53	<0.01		
SAVE	ER90		dec	<2.00	89.5	64	0.14	0.02	0.08	6.99	0.08		
SAVE	ER90	2022	jan	<2.00	70.9	83	0.45	<0.01	0.58	7.73	0.11		
SAVE	ER90		feb	5.21	67.1	104	0.95	<0.01	0.65	7.57	0.07		
SAVE	ER90		mar	3.13	**58.6**	167	0.28	<0.01	0.26	7.72	0.08		
SAVE	ER90		apr	6.11	98.2	150	0.29	<0.01	0.27	7.17	0.12		
SAVE	ER90		may	<2.00	87.4	99	<0.01	<0.01	0.34	7.84	0.02		
SAVE	ER90		jun	83.2	109	0.10	<0.01	0.22	7.56	0.14			
SAVE	ER90		jul	<2.00	79.0	132	0.30	<0.01	0.10	6.84	0.19		
SAVE	ER90		aug	<2.00	71.0	196	0.12	<0.01	0.19	7.53	0.03		
SAVE	ER90		sep	9.35	82.2	108	<0.01	<0.01	0.12	8.08	<0.01		
SAVE	ER94	2017	May	<2	66.5	513	0.44	<0.01	0.45	7.60	0.04		
SAVE	ER94		June				0.27	0.05	0.33	8.18	<0.01		
SAVE	ER94		August	<2	79.9	210	0.07	<0.01	<0.01	6.30	0.02		
SAVE	ER94	2019	Novemb er	<2.00	64.3	278	0.21	<0.01	0.09	7.72	<0.01		
SAVE	ER94	2021	January	<2.00	84.6	162	**3.35**	0.05	0.45	8.12	0.12		
SAVE	ER94	2022	July	<2.00	77.5	340	0.22	<0.01	0.13	6.03	0.22		
SAVE	ER94		August	<2.00	78.2	177	0.05	<0.01	0.11	8.02	0.06		
SAVE	ER94		October	<2.00	77.7	325	<0.01	0.01	<0.01	8.16	0.03		

Source: Environmental Management Agency

Table Error! No text of specified style in document..47(continued): Save River Ambient Monitoring Points

River	Point	Year		BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)				**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**	**mg/l P**	**mg/l SO_4**		**mg/l Zn**
SAVE	ER101	2017	JAN		1.16	45	<0.01	<0.01	0.96	7.11	<0.01	5	<0.01
SAVE	ER101		MAR	<2	<0.01		0.98	0.04	0.38	7.64	<0.01	<1	<0.01
SAVE	ER101		APR	<2	<0.01		0.61	<0.01	0.24	7.89	0.02	3	<0.01

River	Point	Year		BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4
Unit of measurement				**mg/l**	**Saturation%**	**US/cm**	**mg/l Fe**	**mg/l Mn**	**mg/l N**	**0**	**mg/l P**
SAVE	ER101	2017	MAY	<2	69.4	205	0.42	<0.01	0.45	7.75	0.03
SAVE	ER101		JUN	22.22	84.7	122	0.01	0.01	0.17	7.86	0.08
SAVE	ER101		JUL	<2	77.9	130	0.25	<0.01	0.06	8.14	0.05
SAVE	ER101		AUG	<2	80.9	137	0.05	0.01	0.02	7.02	0.05
SAVE	ER101		SEP	<2.00	79.3	161	<0.01	0.02	0.11	8.00	<0.01
SAVE	ER101		OCT	<2.00	65.9	181	0.18	0.07	0.04	7.45	0.01
SAVE	ER101		NOV	17.18	82.8	176	0.38	<0.01	<0.01	6.51	0.01
SAVE	ER101		DEC	2.33	81.9	169	0.27	<0.01	0.17	7.03	0.02
SAVE	ER101	2018	JAN	10.99	132.9	446	**3.87**	<0.01	0.31	7.79	<0.01
SAVE	ER101		FEB	1.04	97.1	117	0.18	<0.01	0.19	7.83	<0.01
SAVE	ER101		MAR	<2.00	97.20	73	**1.38**	<0.01	0.65	7.74	0.02
SAVE	ER101		APR	<2.00	**43.1**	62	0.38	0.02	0.07	7.68	<0.01
SAVE	ER101		MAY	17.52	**53.4**	32	0.35	0.01	0.27	6.97	0.27
SAVE	ER101		JUN	<2.00	72.8	149	0.61	0.04	0.15	8.07	<0.01
SAVE	ER101		JUL	<2.00	82.8	**4309**	0.45	0.07	0.02	7.01	0.07
SAVE	ER101		SEP	<2.00	70.5	339	0.14	0.02	0.25	7.98	0.20
SAVE	ER101		OCT	3.23	71.2	181	0.04	<0.01	0.55	7.19	0.02
SAVE	ER101		OCT	2.66	**48.6**	100	0.57	<0.01	0.28	7.27	0.01
SAVE	ER101		NOV	<2.00	63.0	33	0.13	0.05	0.10	7.82	
SAVE	ER101	2019	FEB	<2.00	**28.1**	176	0.45	0.03	0.26	7.91	0.03
SAVE	ER101		MAY	8.09	64.3	240	<0.01	0.04	2.59	6.47	<0.01
SAVE	ER101		NOV	<2.00	**53.3**	249	0.27	0.02	<0.01	8.05	<0.01
SAVE	ER101		DEC		54.7	59	**4.00**	0.09	0.48	7.22	0.09
SAVE	ER101	2020	JAN	14.53	**46.3**	114	0.60	0.03	0.55	7.64	<0.01
SAVE	ER101		MAR	<2.00	82.5	112	0.96	<0.01	0.47	7.84	0.03

Source: Environmental Management Agency

Table Error! No text of specified style in document..48(continued): Save River Ambient Monitoring Points

River	Point	Year	Month	BOD	Dissolved oxygen	E. Conductivity	Fe	Mn	NO_3	pH	PO_4	SO_4	Zn
Unit of measurement				mg/l	Saturation%	US/cm	mg/l Fe	mg/l Mn	mg/l N	0	mg/l P		
SAVE	ER101		MAY		74.1	142	<0.01	0.03	0.15	7.62	0.10		
SAVE	ER101		JUN	12.65	102.4	188	<0.01	<0.01	<0.01	8.02	0.04		
SAVE	ER101		JUN	48.10	**32.1**	7	0.05	<0.01	0.29	7.24	0.14		
SAVE	ER101		JUL	5.01	111.0	49	0.46	<0.01	0.02	8.52	0.06		
SAVE	ER101		AUG	5.11	101.0	164	<0.01	0.05	0.02	6.91	<0.01		
SAVE	ER101		SEP	17.31	61.0	263	<0.01	**0.75**	0.12	7.84	0.20		
SAVE	ER101		OCT	2.28	65.4	256	<0.01	0.01	0.25	7.27	0.03		
SAVE	ER101		NOV	<2	90.0	291	<0.01	<0.01	0.31	7.91	0.11		
SAVE	ER101		DEC	27.65	**59.9**	405	0.38	<0.01	0.27	7.67	0.16		
SAVE	ER101	2021	JAN	14.15	83.7	115	**17.70**	0.12	0.51	8.08	0.02		
SAVE	ER101		FEB	14.74	80.0	59	0.54	<0.01	0.19	7.56	0.01		
SAVE	ER101		APR	<2.00	99.0	161	0.35	<0.01	0.16	8.01	0.03		
SAVE	ER101		MAY	16.61	107.2	54	0.14	<0.01	0.14	7.51	<0.01		
SAVE	ER101		JUN	16.29	69.5	112	0.07	0.01	0.31	**9.42**	<0.01		
SAVE	ER101		JUL	2.10	75.6	92	<0.01	0.01	1.84	7.32	<0.01		
SAVE	ER101		OCT	4.83	**59.9**	161	<0.01	<0.01	0.22	7.16	0.07		
SAVE	ER101		NOV	2.44	**42.5**	181	0.15	<0.01	<0.01	6.28	<0.01		
SAVE	ER101		DEC	5.16	88.1	62	0.16	0.01	0.05	7.10	0.04		
SAVE	ER101	2022	JAN	<2.00	82.0	99	0.31	<0.01	0.58	7.65	0.09		
SAVE	ER101		FEB	7.53	66.9	106	**1.24**	<0.01	0.58	7.66	0.05		
SAVE	ER101		MAR	3.42	62.5	162	0.34	<0.01	0.27	7.86	0.05		
SAVE	ER101		APR	9.01	75.9	113	0.22	<0.01	0.18	6.67	0.08		
SAVE	ER101		MAY	<2.00	87.0	121	0.01	<0.01	0.29	8.34	0.05		
SAVE	ER101		JUN		82.4	119	0.18	**0.12**	0.15	7.69	0.10		
SAVE	ER101		JUL	<2.00	76.2	156	0.24	<0.01	0.09	7.39	0.18		
SAVE	ER101		SEP	4.61	76.1	87	<0.01	<0.01	0.12	7.39	<0.01		
SAVE	ER101		OCT	2.01	80.9	82	<0.01	<0.01	0.08	7.85	0.04		
SAVE	ER102	2017	JANUARY		<0.01	40	<0.01	<0.01	0.58	7.68	0.02	8	<0.01
SAVE	ER102		FEBRUARY	<0.01		0.36	<0.01	0.44	7.37	0.04	4	<0.01	
SAVE	ER102	2017	May	<2	63.7	167	0.46	<0.01	0.17	7.89	0.04		
SAVE	ER102		June				0.14	<0.01	0.41	7.66	0.01		
SAVE	ER102		July	<2	**27.8**	107	0.28	0.01	0.11	6.75	0.05		

Source: Environmental Management Agency

Table Error! No text of specified style in document..49(continued): Save River Ambient Monitoring Points

River	Point	Year		BOD	Cu	COD	Fe	Ni	NO_3	pH	PO_4	SO_4	Zn
Blue limit (Sensitive)				**15**	**1**	**30**	**0**	**0**	**10**	**6.0-7.5**	**1**	**100**	**0**
Blue limit (Normal)				**30**	**1**	**60**	**1**	**0**	**10**	**6.0-9.0**	**1**	**250**	**1**
Unit of measurement				**mg/l**	**mg/l Cu**	**mg/l**	**mg/l Fe**	**mg/l Ni**	**mg/l N**	**mg/l P**		**mg/l SO_4**	**mg/l Zn**
SAVE	ER102		August	<2	**27.8**	107	0.28	0.01	0.11	6.75		0.05	
SAVE	ER102		September	11.51	80.7	194	0.27	<0.01	0.55	6.68		0.06	
SAVE	ER102		November	15.25	81.6	181	0.46	0.08	0.27	6.51		<0.01	
SAVE	ER102		December	**31.72**	88.0	51	0.07	<0.01	0.67	6.74		0.06	
SAVE	ER102	2019	January										
SAVE	ER102		November	<2.00	68.3	143	0.82	0.05	0.38	7.64		0.14	
SAVE	ER102		December		**19.2**	166	2.44	0.13	0.92	7.52		0.59	
SAVE	ER102	2020	January	<2.00	**58.8**	262	0.47	0.02	0.13	8.48		0.03	
SAVE	ER102		February	<2.00	82.6	254	<0.01	<0.01	0.22	8.45		0.06	
SAVE	ER102		March	<2.00	83.0	160	<0.01	<0.01	0.24	7.39		0.05	
SAVE	ER102		May		84.5	225	<0.01	<0.01	0.47	7.85		0.44	
SAVE	ER102		July	<2.00	113.0	230	0.13	<0.01	0.42	7.52		0.25	
SAVE	ER102		August	<2.00	116.0	212	<0.01	0.01	1.74	7.77		0.05	
SAVE	ER102		September	16.06	114.0	228	<0.01	0.08	0.15	8.58		0.04	
SAVE	ER102		October	20.42	105.7	245	<0.01	0.01	0.20	8.03		0.02	
SAVE	ER102		November	<2	85.0	255	<0.01	<0.01	0.12	8.09		0.06	
SAVE	ER102	2021	January	17.72	81.0	169	**1.88**	<0.01	0.54	7.81		0.08	
SAVE	ER102		February	<2.00	79.9	99	1.47	0.13	0.16	8.10		0.01	
SAVE	ER102		April	<2.00	101.3	169	0.50	0.02	0.11	6.92		0.24	
SAVE	ER102		May	<2.00	98.8	**2716**	0.07	0.02	0.85	8.28		<0.01	
SAVE	ER102		June	16.68	72.1	182	0.03	0.01	0.30	8.27		<0.01	
SAVE	ER102		July	<2.00	78.2	82	0.34	0.02	0.94	6.28		<0.01	
SAVE	ER102		September	<2.00	64.9	118	0.52	0.03	0.70	7.76		<0.01	
SAVE	ER102		October	6.96	67.2	245	0.08	<0.01	0.17	7.31		0.05	
SAVE	ER102		November	3.80	**50.2**	55	0.23	<0.01	0.12	6.25		<0.01	
SAVE	ER102	2022	January	14.29	72.8	214	0.45	**0.21**	0.77	7.61		0.65	
SAVE	ER102		February	13.04	**59.1**	189	0.93	<0.01	0.50	7.20		0.10	
SAVE	ER102		March	3.12	61.8	159	0.55	0.01	0.34	8.56		0.13	
SAVE	ER102		April	18.22	74.4	195	0.16	<0.01	14.19	6.02		0.14	
SAVE	ER102		May	<2.00	89.3	233	0.17	<0.01	0.43	8.12		0.09	
SAVE	ER102		June	76.0	145	0.02	<0.01	3.18	7.05	0.15			
SAVE	ER102		August	<2.00	78.7	216	0.16	<0.01	0.15	6.99		0.22	
SAVE	ER102		September	<2.00	105.4	471	<0.01	<0.01	0.39	8.65		<0.01	
SAVE	ER102		October	11.24	77.9	379	<0.01	0.01	<0.01	7.83		0.05	

Source: Environmental Management Agency