

Rainfall Performance

The much anticipated rain was finally received over the Kunene region with most places recording two to three times the usual amount for the month. Equally, the Erongo and southern regions received two to four times the average amount of rainfall for the month with the exception of far southwestern areas.

However, after an exceptional rainfall performance during January, the Zambezi region received little to no rain during February. After a consistent below average rainfall performance with an escalating rainfall deficit, the Omusati, Oshana and Oshikoto regions for the first time this rainy season received average rainfall for the month.

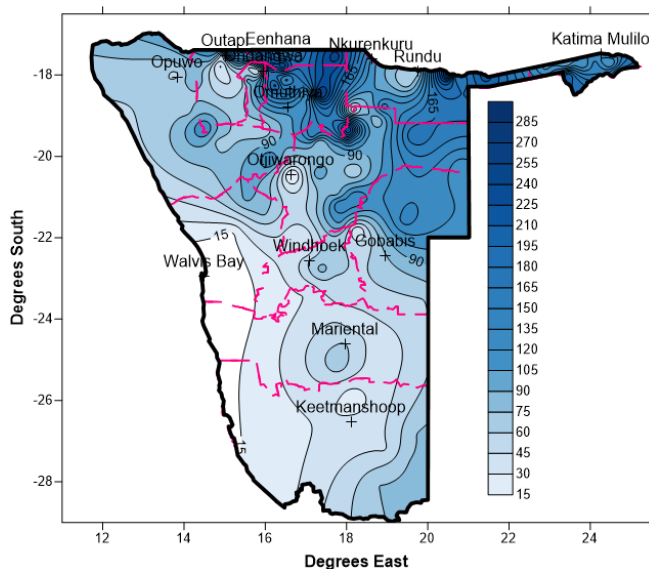


Figure 1. March 2022 rainfall in mm

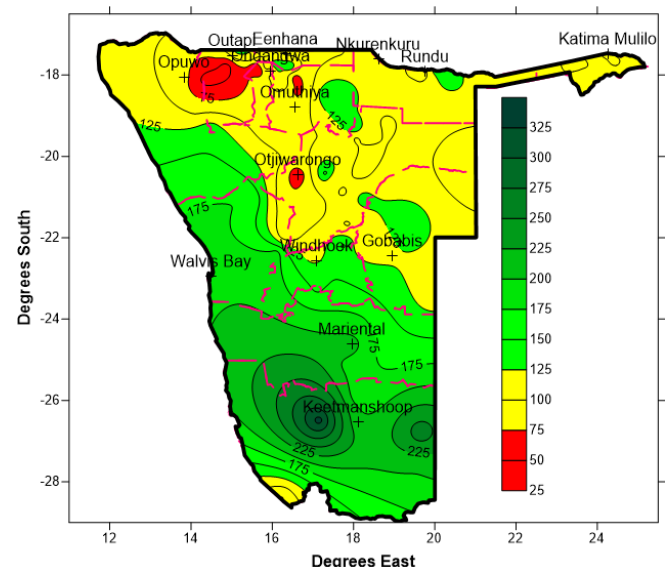


Figure 3. 1 October 2021 to 31 March 2022 percent of normal

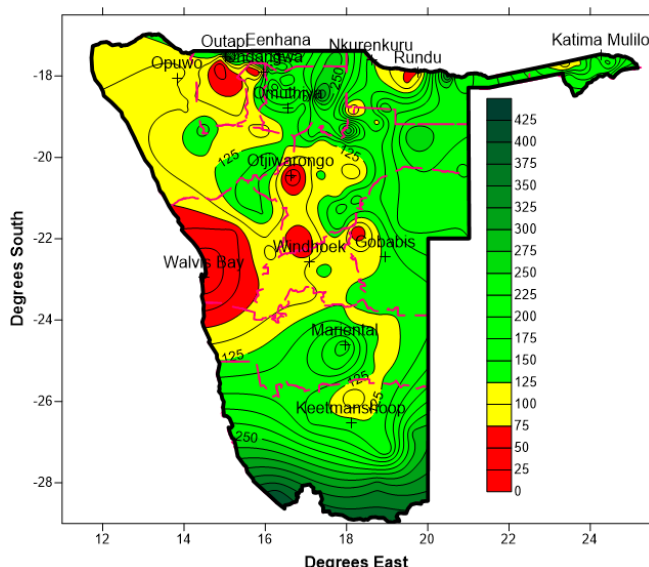


Figure 2. March 2022 percent of normal

On a seasonal scale (1 October 2021 to 28 February 2022), the performance of rainfall from Tsumkwe area through Gam to Eiseb was mainly below average, which can easily lead to water challenges. The rainfall received to date did not normalize the situation in Omusati and parts of Oshana and western Ohangwena regions. Hence the risk of crop failure and water availability remains a major concern.

Table 1.

Station	01 – 10 March 2022	11 – 20 March 2022	21 – 31 March 2022	Highest Daily Falls	Month Total	Month Normal	Month Depart ure %	October 2021 Total & Relative Performance		
								2022 Total (mm)	Normal (mm)	Depart ure from Normal %
Ongha	91.0	22.0	33.0	38.0	146.0	106.0	38	426.4	531	-20
Onghwiya 1	62.0	105.2	66.0	68.0	233.2	97.0	140	***	548	***
Okalongo	18.5	113.0	27.0	113.0	158.5	85.0	86	538.7	404	33
Omafo	86.2	40.0	101.5	75.5	227.7	98.0	132	483.1	478	1
Ongenga	50.0	60.0	67.0	40.0	177.0	93.0	90	481.5	437	10
Onawa	150.0	44.0	26.3	60.0	220.3	69.0	219	439.5	350	26
Eenhana	42.0	57.9	65.8	49.4	165.7	106.0	56	462.9	500	-7
Katima Mulilo Airport	52.6	67.6	9.1	26.2	129.3	72.0	80	623.2	549	14
Katima Mulilo ADC	35.0	0.0	0.0	20.0	35.0	75.0	-53	***	618	***
Caprivi river Lodge	74.0	58.0	16.0	41.0	148.0	80.0	85	***	600	***
Zambezi Vocational Training Centre	27.7	50.7	13.8	25.0	92.2	72.0	28	420.0	549	-23
Outapi	17.2	33.1	18.2	33.1	68.5	59.0	16	***	310	***
Omauni	61.0	137.0	54.0	100.0	252.0	92.0	174	539.0	534	1
Onesi	37.1	60.0	3.0	60.0	100.1	84.0	19	278.1	369	-25
Endola	42.0	78.5	37.4	78.5	157.9	89.0	77	392.4	420	-7
Oshikuku	32.0	79.0	20.0	60.0	131.0	89.0	47	399.0	399	0
Kasheshe	53.0	80.0	11.0	30.0	144.0	70.0	106	651.0	563	16
Kahenge	58.0	6.0	45.0	17.0	109.0	87.0	25	621.0	546	14
Bukalo ADC	61.6	35.2	0.0	40.0	96.8	70.0	38	550.8	574	-4
Tsandi	22.5	0.0	0.0	22.5	22.5	93.0	-76	164.1	392	-58
Sibinda	64.1	31.6	10.0	24.8	105.7	84.0	26	582.8	583	0
Epembe	100.0	33.0	110.9	67.0	243.9	96.0	154	683.0	472	45
Oshigambo	69.0	108.0	54.2	91.0	231.2	88.0	163	583.2	401	45
Ongwediva	19.0	11.5	69.0	69.0	99.5	85.0	17	413.6	388	7
Uukwangula	18.0	0.0	20.0	20.0	38.0	87.0	-56	193.6	391	-50

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Okaku	59.6	16.0	17.9	25.0	93.5	87.0	7	434.4	396	10
Kongola	24.5	33.6	43.8	22.5	101.9	109.0	-7	579.7	611	-5
Omage III	54.0	21.5	27.5	20.0	103.0	77.0	34	***	549	***
Okaukamashe	8.5	17.0	39.3	35.3	64.8	85.0	-24	189.3	381	-50
Mashare	44.7	130.0	10.7	55.0	185.4	90.0	106	669.5	500	34
Andimba Toivo ya Toivo Airport	75.8	5.0	29.6	42.8	110.4	88.0	25	305.5	391	-22
Kaisosi	11.0	56.0	19.0	56.0	86.0	94.0	-9	626.7	529	18
Ompundja	14.5	20.0	19.9	20.0	54.4	86.0	-37	233.9	388	-40
Ondangwa DVS	26.0	76.0	18.8	44.0	120.8	88.0	37	407.3	391	4
Rundu	36.0	31.0	1.0	15.2	68.0	91.0	-25	402.3	519	-22
Ngoma	89.0	103.0	6.0	69.0	198.0	71.0	179	711.3	563	26
Eheke	16.3	7.8	27.0	27.0	51.1	84.0	-39	352.6	369	-4
Onayena	66.5	70.0	20.5	70.0	157.0	89.0	76	483.0	419	15
Sachona	77.0	125.3	7.4	34.0	209.7	96.0	118	609.9	589	4
Ndonga-Linena	145.0	128.0	20.0	66.0	293.0	85.0	245	734.5	497	48
Olukonda	40.2	89.4	38.0	77.0	167.6	89.0	88	***	385	***
Ndiyona	52.9	103.2	2.0	39.0	158.1	81.0	95	600.4	487	23
Mukwe	67.0	115.0	38.0	44.0	220.0	90.0	144	666.0	537	24
Opuwo	7.0	46.0	0.0	35.0	53.0	68.0	-22	233.5	278	-16
Opuwo ADC	10.0	44.6	14.7	27.0	69.3	68.0	2	228.6	278	-18
Onyuulaye	42.0	40.0	43.0	20.0	125.0	90.0	39	261.0	440	-41
Omakange	25.0	44.0	15.0	44.0	84.0	78.0	8	144.0	336	-57
Engombe	11.0	66.0	19.0	66.0	96.0	82.0	17	315.5	359	-12
Okani	6.5	28.0	16.0	28.0	50.5	81.0	-38	274.1	358	-23
Onankali	51.0	47.0	50.0	51.0	148.0	86.0	72	436.3	408	7
Ncamagoro	19.0	28.0	15.0	18.0	62.0	84.0	-26	517.0	491	5
Omuntele	66.0	48.5	94.0	54.0	208.5	84.0	148	448.8	400	12
Okashana	38.5	90.2	48.8	48.0	177.5	80.0	122	278.3	415	-33
Okapya	120.5	69.5	80.9	113.0	270.9	81.0	234	691.7	465	49

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King Kauluma	18.8	17.5	75.4	37.0	111.7	79.0	41	494.9	436	14
Mururani	34.0	56.0	51.0	37.0	141.0	64.0	120	475.5	441	8
Namutoni	21.2	44.0	41.9	36.5	107.1	76.0	41	407.8	407	0
Choantsas	0.0	37.0	4.5	25.0	41.5	65.0	-36	535.5	433	24
Oruvandjai	0.0	13.0	58.5	55.0	71.5	71.0	1	257.4	266	-3
Halali	26.0	54.5	17.5	19.5	98.0	72.0	36	***	377	***
Wilde	30.5	39.0	7.0	33.0	76.5	66.0	16	401.5	422	-5
Okaukuejo	4.5	43.3	23.6	21.5	71.4	68.0	5	273.2	328	-17
Galton Gate	0.0	15.0	110.3	76.0	125.3	75.0	67	412.9	297	39
Anderson Gate	2.3	31.0	27.3	20.4	60.6	76.0	-20	301.8	367	-18
Grootfontein Town	72.3	109.2	71.8	64.9	253.3	81.0	213	660.3	482	37
Huttenhof	22.8	79.5	46.5	30.5	148.8	80.0	86	485.8	479	1
Mkata	23.5	150.0	7.0	40.0	180.5	65.0	178	460.5	420	10
Grootfontein ADC	61.0	35.0	89.0	89.0	185.0	85.0	118	414.4	478	-13
Grootfontein Airport	37.8	56.0	53.2	47.4	147.0	83.0	77	485.4	476	2
Kamanjab	10.0	0.0	59.6	30.7	69.6	64.0	9	***	270	***
Otjituuo	16.0	37.0	40.0	40.0	93.0	57.0	63	***	371	***
Otavi	12.0	17.0	43.8	30.0	72.8	74.0	-2	492.7	458	8
Awagobibtal	69.0	23.0	30.0	42.0	122.0	87.0	40	566.0	494	15
Outjo	0.0	56.4	66.0	46.0	122.4	69.0	77	361.8	346	5
Gam	13.0	94.5	0.0	50.0	107.5	55.0	95	277.0	373	-26
Okamatapati	62.5	0.0	0.0	35.0	62.5	76.0	-18	345.0	375	-8
Okomumbonde	7.5	10.0	88.0	68.0	105.5	78.0	35	620.5	394	57
Otjiwarongo	6.0	0.0	0.0	6.0	6.0	55.0	-89	211.8	360	-41
Donkerwater	19.5	28.1	39.1	21.2	86.7	70.0	24	381.5	342	12
Eiseb	0.0	156.7	20.0	95.2	176.7	54.0	227	***	361	***
LaPaloma	7.0	27.3	51.5	20.0	85.8	76.0	13	374.8	388	-3
Okondjatu	32.4	57.1	46.3	50.0	135.8	73.0	86	501.8	379	32

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Ombona	0.0	16.5	55.4	25.0	71.9	62.0	16	295.5	337	-12
Omatjette	0.0	48.2	44.0	30.0	92.2	54.0	71	388.5	224	73
Otjikururume	0.0	48.0	23.5	46.0	71.5	60.0	19	***	330	***
Eureka	10.5	0.7	124.0	60.0	135.2	73.0	85	452.5	376	20
Omaruru	0.0	5.3	71.8	28.2	77.1	51.0	51	283.6	243	17
Epukiro	65.0	17.5	58.5	41.5	141.0	65.0	117	485.7	347	40
Ondunduwezirapi	14.0	34.0	57.0	24.0	105.0	62.0	69	346.0	362	-4
Steinhausen	26.5	0.0	0.0	12.5	26.5	68.0	-61	***	359	***
Talismanus	50.0	65.0	0.0	30.0	115.0	58.0	98	***	357	***
Spitzkoppe	0.0	3.5	10.7	10.7	14.2	35.0	-59	199.8	118	69
Wilhelmstal	6.0	9.0	32.5	12.0	47.5	57.0	-17	205.0	282	-27
Okahandja	9.7	10.4	8.1	9.7	28.2	59.0	-52	***	298	***
Osona Village	0.0	22.8	10.6	11.6	33.4	54.0	-38	355.1	301	18
Okahua	8.5	43.5	15.5	30.5	67.5	58.0	16	496.5	322	54
Omateva	21.5	27.0	4.8	21.5	53.3	54.0	-1	323.0	305	6
Pioniers Park	0.0	21.9	13.4	12.0	35.3	61.0	-42	334.7	310	8
Otjimbingwe	0.0	15.0	18.0	15.5	33.0	30.0	10	250.3	138	81
Windhoek	0.0	17.2	45.4	31.4	62.6	61.0	3	374.4	310	21
Binsenheim	0.0	40.0	41.0	38.0	81.0	59.0	37	450.0	305	48
Dordabis	0.0	45.0	15.0	45.0	60.0	50.0	20	***	273	***
Walvis Bay	0.0	0.0	0.0	0.0	0.0	1.0	-100	***	2	***
Rehoboth	3.5	0.0	28.0	28.0	31.5	37.0	-15	285.5	193	48
Coridor13	11.2	46.7	2.0	23.1	59.9	45.0	33	292.4	258	13
Olifantwater	0.0	18.5	36.2	15.4	54.7	38.0	44	***	209	***
Oranjemund	3.0	10.9	19.5	9.1	33.4	36.0	-7	312.9	182	72
Mariental	22.5	33.5	5.0	28.0	61.0	25.0	144	328.5	156	111
Gochas	3.2	14.0	19.1	14.0	36.3	33.0	10	286.0	174	64
Gibeon	33.0	32.0	5.5	33.0	70.5	33.0	114	269.8	138	96
Tses	15.0	6.0	0.2	15.0	21.2	28.0	-24	189.4	105	80
Bethanie	0.3	30.0	0.0	15.0	30.3	21.0	44	284.2	85	234

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Keetmanshoop	20.6	4.6	8.0	15.8	33.2	24.0	38	247.4	119	108
Aroab	37.5	18.5	17.6	34.5	73.6	26.0	183	347.6	130	167
Naos_Karas	37.5	0.0	6.5	22.0	44.0	36.0	22	***	148	***
Snyriver-Noord	27.5	0.0	49.5	29.0	77.0	27.0	185	220.3	106	108
Karasburg	3.7	66.1	4.6	43.0	74.4	22.0	238	***	91	***
Oranjemund	0.0	21.0	0.0	21.0	21.0	5.0	320	21.6	29	-26