



TRINIDAD AND TOBAGO FIRE SERVICE

IN THE SERVICE OF THE PEOPLE

TOGETHER WE ASPIRE
TOGETHER WE ACHIEVE



FIRE SERVICE BUSHFIRE STATISTICS 2019 TO 2024

OBJECTIVES



- **To identify the number of bushfires that the TTFS responded to annually - 2019 to present.**
- **To determine the correlation between monthly mean temperature and the frequency of bushfires from - 2019 to present.**

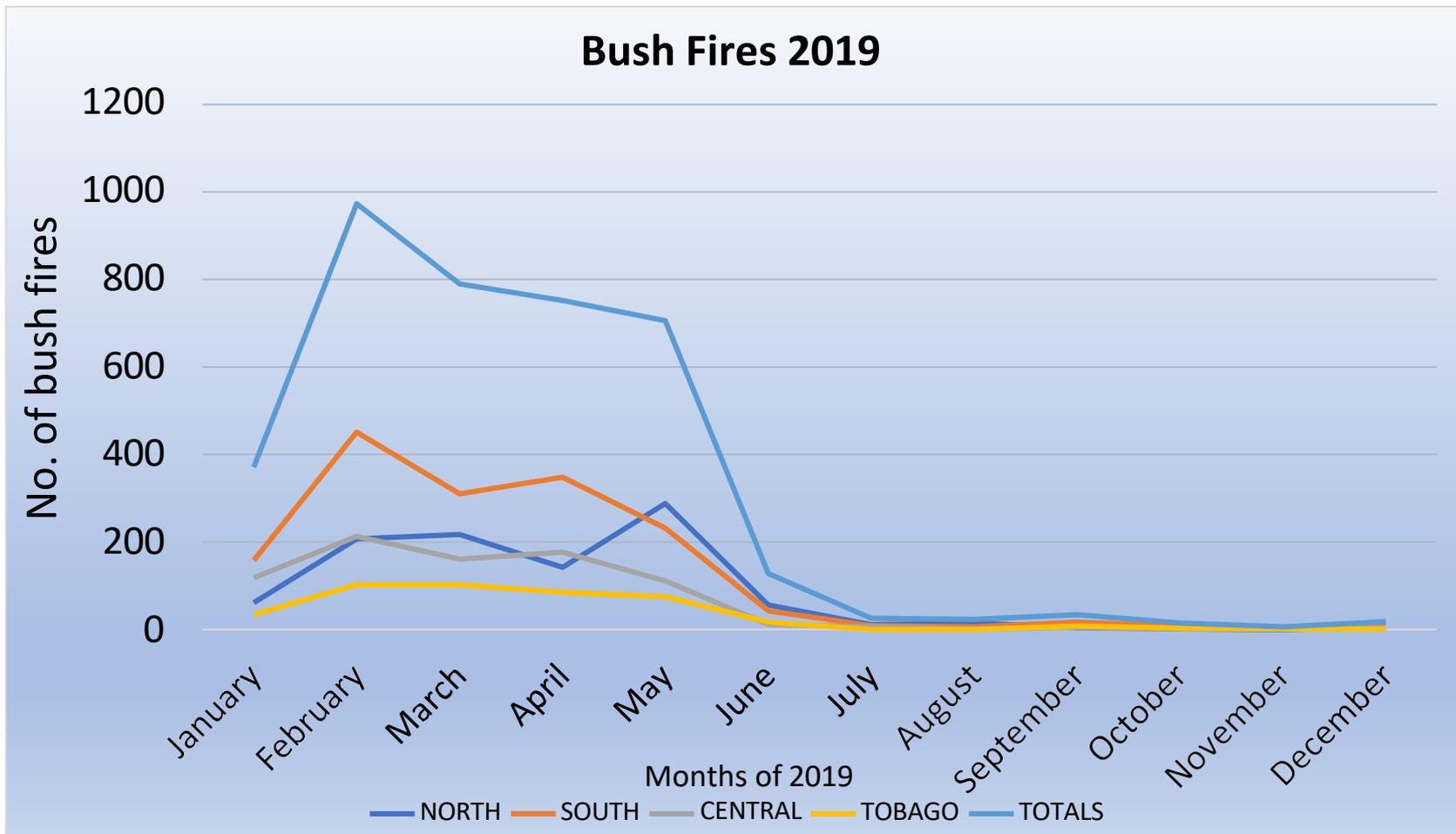


Bushfire Stats for 2019

Month	NORTH	SOUTH	CENTRAL	TOBAGO	TOTALS
January	61	158	118	34	371
February	207	451	213	102	973
March	217	310	161	102	790
April	142	348	177	85	752
May	288	232	111	75	706
June	56	43	12	17	128
July	11	9	6	0	26
August	15	6	2	0	23
September	4	17	5	8	34
October	2	8	2	3	15
November	0	3	2	1	6
December	7	6	4	1	18
	1010	1591	813	428	3842



Bushfire Graphs for 2019





Bushfire Summary for 2019

Points of interest are as follows:

- Most of the bushfire activity for 2019 took place over the 4-month period between February and May. These figures effectively coincide with the country's dry season.
- In 2019 the highest total number of bush fires throughout the country was seen in the month of **February at 973**. At least 46% of these occurrences were in the **Southern Division**.
- With February being the 'hottest' month of 2019, there would have been an average (point estimate value) of at least 34 calls per day, throughout the country, for that particular month.
- The Southern Division experienced the highest number of bushfires during the year 2019, accounting for at least 41% of the total number of bushfires for that year.

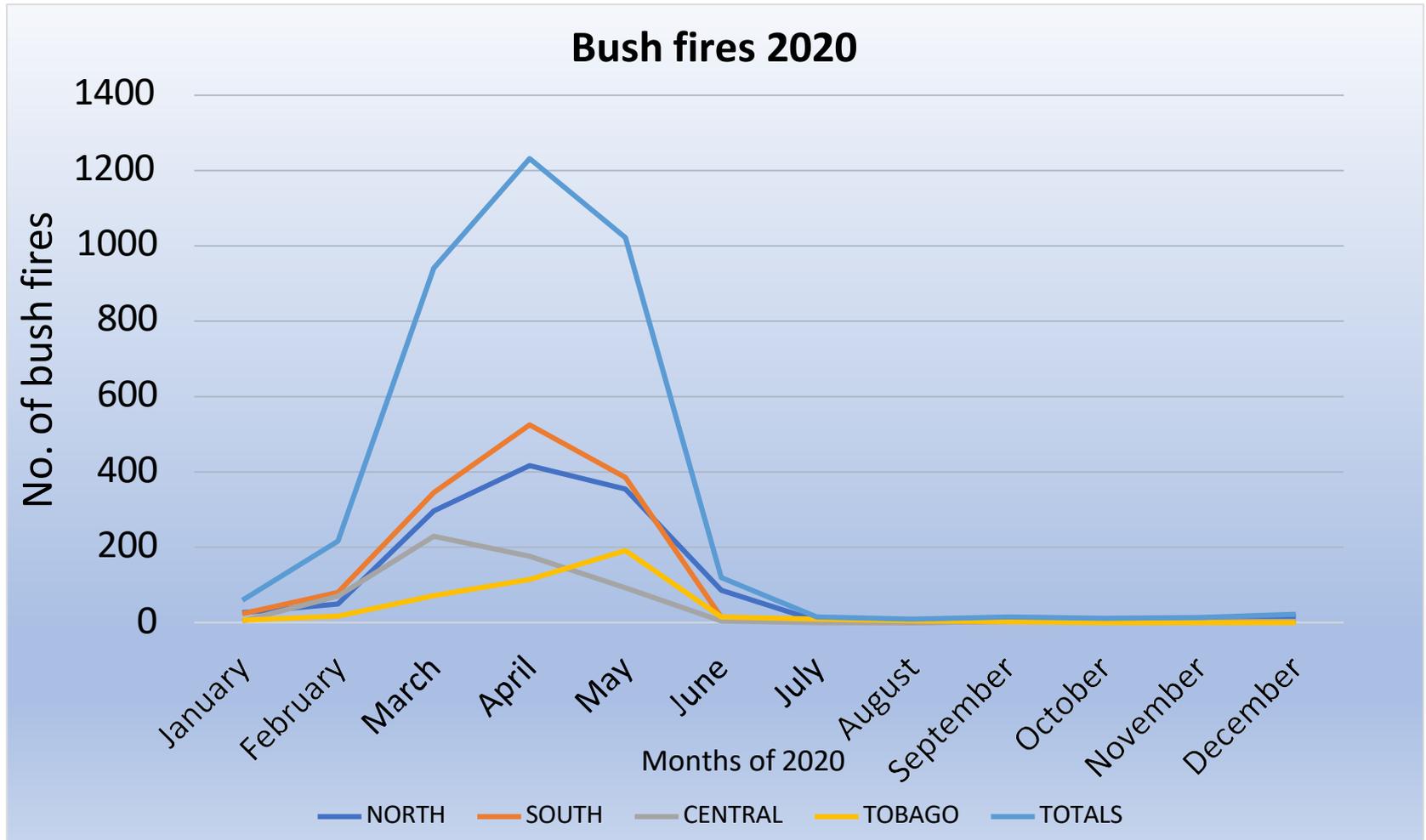


Bushfire Stats for 2020

Months	NORTH	SOUTH	CENTRAL	TOBAGO	TOTALS
January	26	23	4	6	59
February	49	80	70	17	216
March	296	345	229	71	941
April	417	525	176	114	1232
May	354	385	92	191	1022
June	86	14	4	15	119
July	5	1	0	9	15
August	4	0	0	5	9
September	7	3	3	2	15
October	4	6	1	0	11
November	9	2	2	0	13
December	16	3	3	0	22
	1273	1387	584	430	3674



Bushfire Graphs for 2020





Bushfire Summary for 2020

Points of interest are as follows:

- As shown in the chart and table for 2020, the greatest bushfire activities took place within the period of January to June 2020, which effectively coincided with the dry season.
- In 2020, the highest total number of bushfires throughout the country was seen in the month of April. It should be noted that the month of **April** accounted for at least 33% of the total number of bushfires for 2020.
- Most of the bushfires which occurred in the year 2020, were in the **Southern Division**. Further to this, the Southern Division accounted for almost 38% of the total number of bushfires in the year 2020.
- With April being the 'hottest' month of 2020, there would have been an average (point estimate value) of at least 41 calls per day, throughout the country, for that particular month.

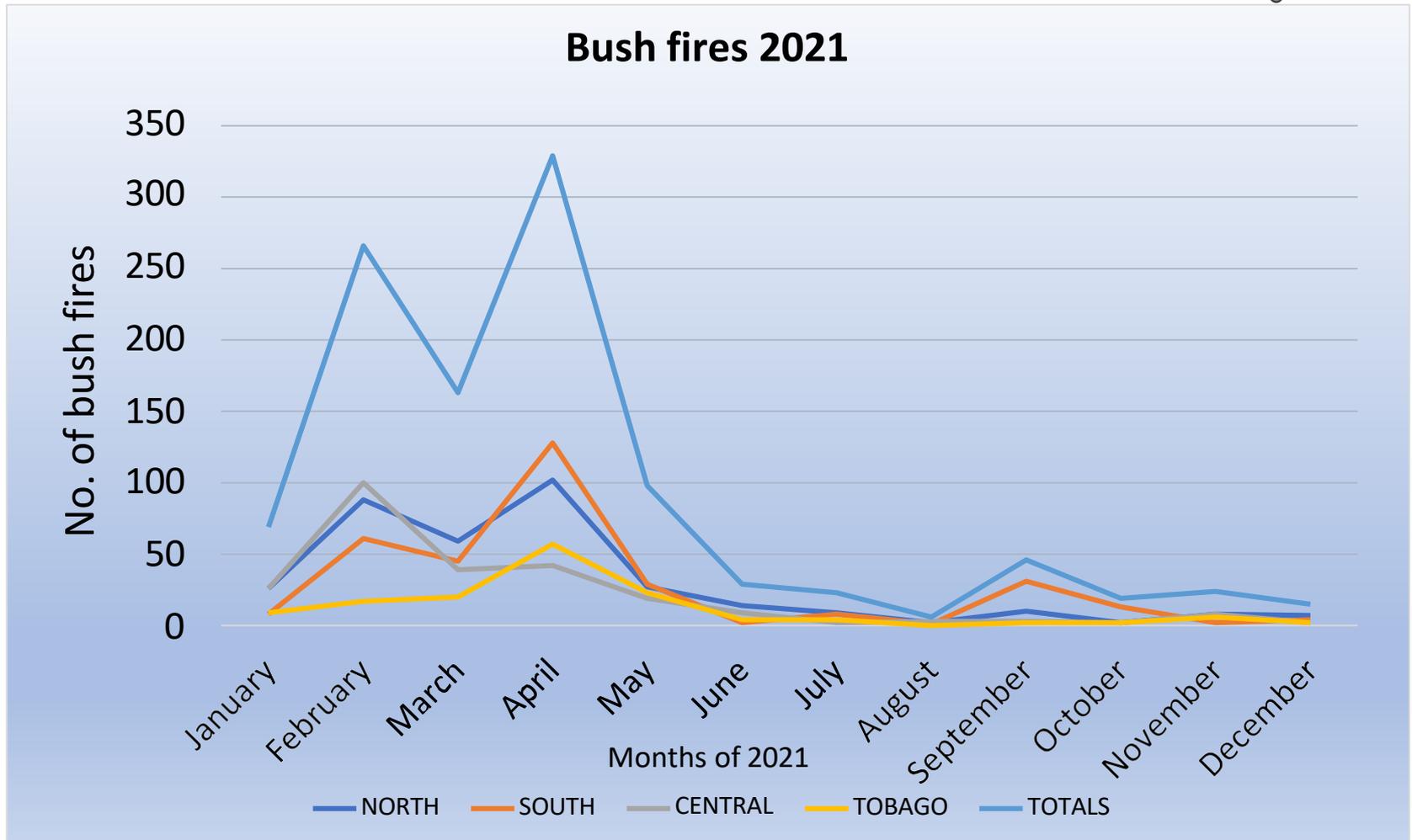


Bushfire Stats for 2021

Months	NORTH	SOUTH	CENTRAL	TOBAGO	TOTALS
January	26	8	26	9	69
February	88	61	100	17	266
March	59	45	39	20	163
April	102	128	42	57	329
May	27	29	19	23	98
June	14	2	9	4	29
July	9	8	2	4	23
August	2	1	3	0	6
September	10	31	3	2	46
October	2	13	2	2	19
November	8	2	8	6	24
December	7	4	2	2	15
	354	332	255	146	1087



Bushfire Graphs for 2021





Bushfire Summary for 2021

Points of interest are as follows:

- There was a significantly lower number of total bushfire occurrences throughout the country in 2021 as compared with the previous 2 years.
- There was an approximate decrease in the total number of bushfires throughout the country, from 2020 to 2021 by roughly 70.4%
- As with the previous year, the month of **April** was the “hottest” with the greatest number of calls throughout the country at 329.
- The month of April accounted for at least 30% of the total number of bushfire calls for the year 2021.
- Contrary to the previous two years, in 2021, the **Northern Division** had the highest number of bushfire calls and this Division accounted for almost 33% of the total number of calls throughout the country, for that year.

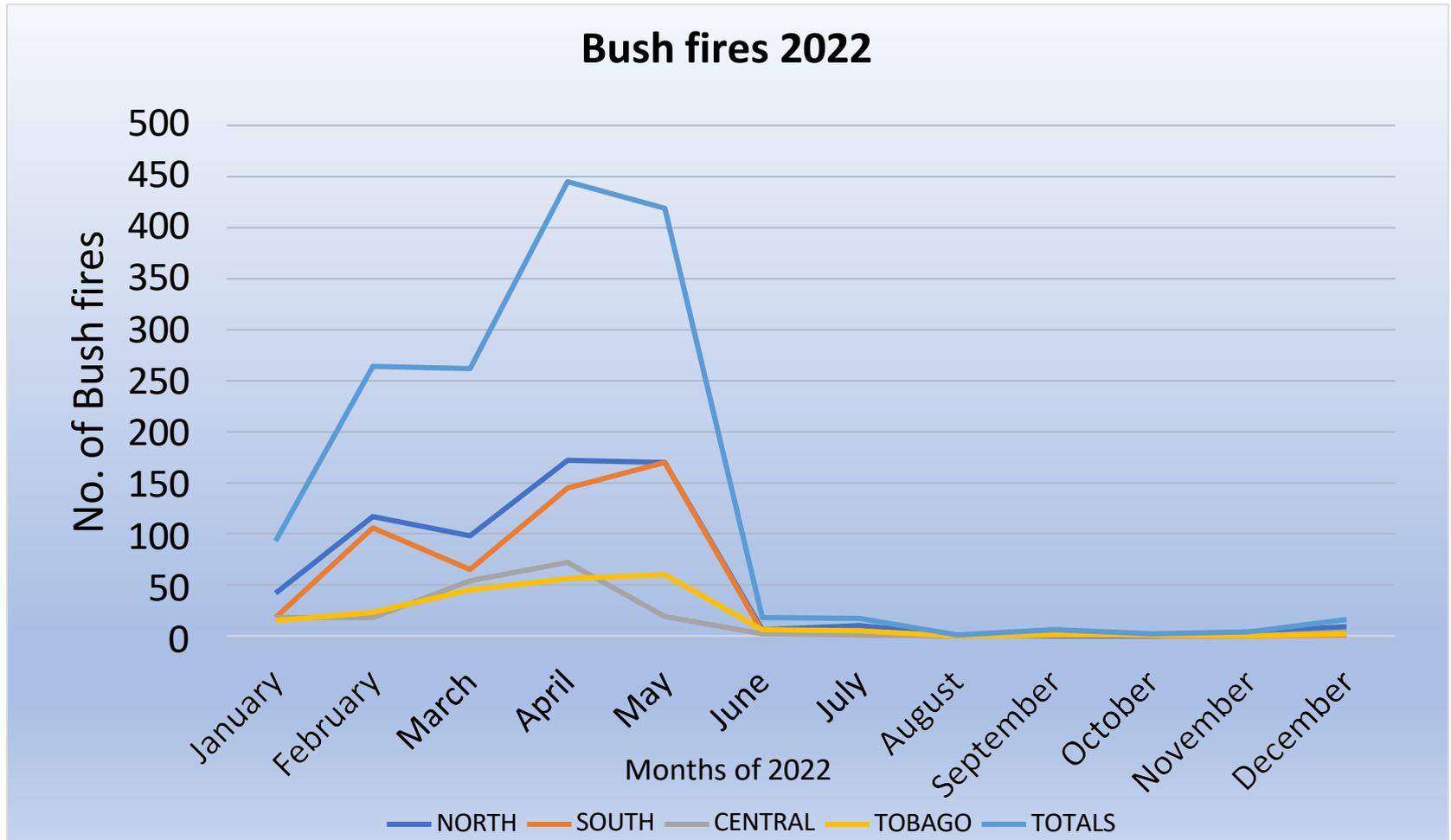
Bushfire Stats for 2022



Months	NORTH	SOUTH	CENTRAL	TOBAGO	TOTALS
January	42	18	18	15	93
February	117	106	18	23	264
March	98	65	54	45	262
April	172	145	72	56	445
May	170	170	19	60	419
June	6	4	2	6	18
July	10	1	1	5	17
August	1	0	0	0	1
September	0	4	1	1	6
October	0	0	1	1	2
November	4	0	0	0	4
December	9	1	4	2	16
	629	514	190	214	1547



Bushfire Graphs for 2022





Bushfire Summary for 2022

Points of interest are as follows:

- There was an increase in the total number of bushfire calls from the previous year by at least 42.3%
- In 2022, the month of **April** also had the greatest number of bushfire occurrences throughout the country. (Recorded at 445 occurrences)
- The **Northern Division** accounted for the highest number of calls for the year 2022, accounting for almost 41% of the total number of calls for that year.
- As per usual, the period from January 2022 to June 2022 accounted for the majority of the bushfires for that year, which effectively coincided with the bushfire season.

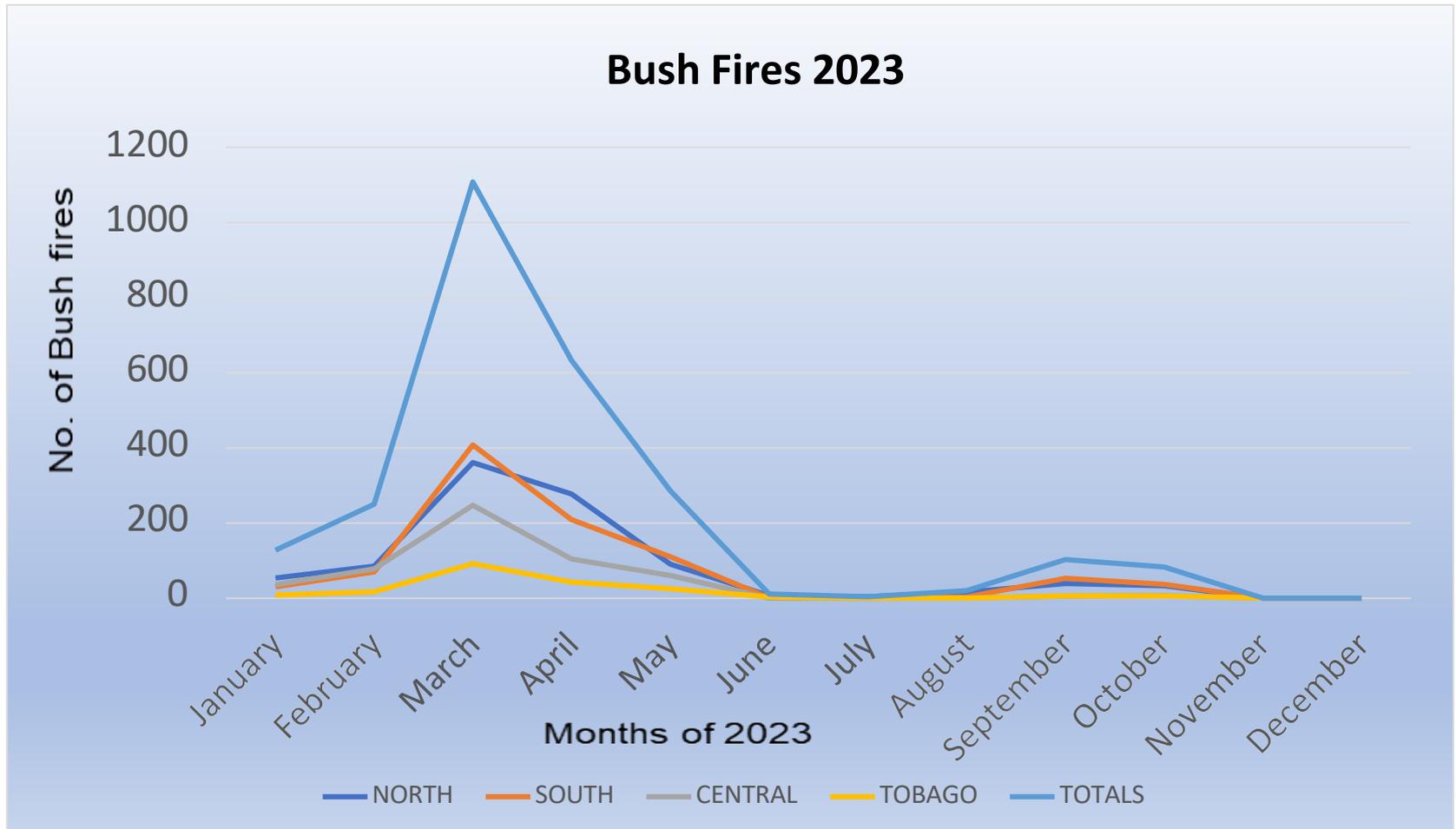
Bushfire Stats for 2023



Months	NORTH	SOUTH	CENTRAL	TOBAGO	TOTALS
January	54	30	36	8	128
February	85	70	78	17	250
March	361	408	247	92	1108
April	277	209	104	43	633
May	90	110	60	25	285
June	7	1	0	3	11
July	4	0	0	0	4
August	16	3	1	0	20
September	39	53	5	6	103
October	33	37	7	6	83
November	0	0	0	0	0
December	0	0	0	0	0
	966	921	538	200	2625



Bushfire Graphs for 2023





Bushfire Summary for 2023

Points of interest are as follows:

- There was an increase in the total number of bushfire calls from the previous year by at least 69.6%
- In 2023, the month of **March** also had the greatest number of bushfire occurrences throughout the country. (Recorded at 1108 occurrences)
- The **Northern Division** accounted for the highest number of calls for the year 2023, accounting for almost 36.8% of the total number of calls for that year.
- As per usual, the period from January 2023 to May 2023 accounted for the majority of the bushfires for the year, which effectively coincided with the bushfire season. It should however be noted that forecasted Hot Spells recorded in the months of **September and October** contributed to Bushfires during these months.

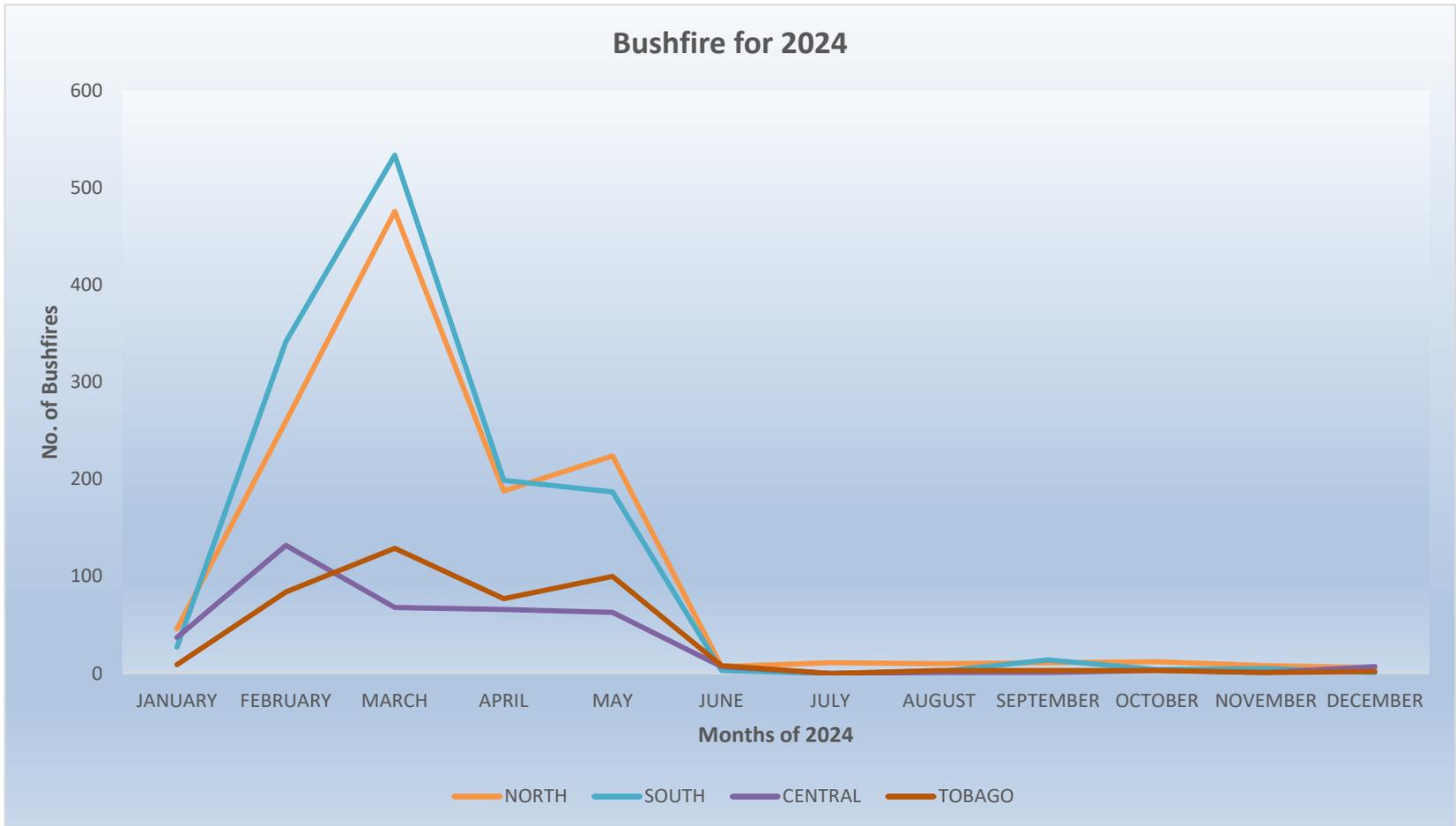
Bushfire Stats for 2024



Months	NORTH	SOUTH	CENTRAL	TOBAGO	TOTALS
January	46	27	37	9	119
February	260	342	132	84	818
March	476	534	68	129	1207
April	188	199	66	77	530
May	224	187	63	100	574
June	7	3	7	8	25
July	11	0	0	0	11
August	10	2	1	3	16
September	11	14	1	3	29
October	12	4	3	3	22
November	8	5	1	1	15
December	6	1	7	2	16
	1259	1318	386	419	3382



Bushfire Graphs for 2024



Bushfire Summary for 2024



Points of interest are as follows:

- There was an increase in the total number of bushfire calls from the previous year by at least 28.8%
- In 2024, the month of **March** also had the greatest number of bushfire occurrences throughout the country. (Recorded at 1207 occurrences)
- The **Southern Division** accounted for the highest number of calls for the year 2024 at 1318 bushfire calls, accounting for almost 40% of the total number of calls for that year.
- As per usual, the period from January 2024 to May 2024 accounted for the majority of the bushfires for the year, which effectively coincided with the bushfire season.

Bushfire Operational Response Plan



Climate Forecasting as a Planning/Decision-making Tool:

- The accuracy of climate forecasting mainly Hot Spell advisories & warnings of prolonged hotter temperatures and their direct relationship with an increase in bushfires have given the TTFS a reliable model which can be used to plan our operational response.
- Focusing our limited resources to Historically affected regions of our country can now be done in a more strategic manner.
- The TTFS sees the need for greater collaboration with TTMS and sharing of vital data on bushfires to improve our fire prevention strategies in the most affected regions .
- The TTFS supports the initiatives taken by the TTMS to inform all stakeholders that can be adversely affected by climate change to bring about greater preparedness and resilience.



THANK YOU