Table 1: Seasonal deviations from historical averages in Normalized Differenced Vegetation Index (NDVI), a measure of fuelbed greenness, and year-to-date precipitation for spring and summer burn seasons, as presented in Fig. 2. Anomalies determined by z scores (parentheses) and categorized as above, below, or within 1 standard deviation of the historical average. 2018 and 2019 were the years in which no summer burns were conducted; all spring burns were conducted in all years.

| **Variable** | **Year** | **Spring** | **Summer** |
| --- | --- | --- | --- |
| Fuelbed Greenness (NDVI) | 2017 | Above (1.02) | Within (-0.04) |
|  | 2018 | Within (-0.2) | Within (0.76) |
|  | 2019 | Within (-0.69) | Above (1.52) |
|  | 2020 | Above (1.1) | Within (0.02) |
| Precipitation | 2017 | Within (-0.86) | Below (-1.04) |
|  | 2018 | Below (-1.04) | Above (1.6) |
|  | 2019 | Within (-0.36) | Within (0.8) |
|  | 2020 | Within (0.05) | Below (-1.3) |

Table 2: Seasonal deviations from historical averages in four fire weather variables for spring and summer burn seasons, as presented in Fig. 3. Anomalies determined by z scores (parentheses) and categorized as above, below, or within 1 standard deviation of the historical average. 2018 and 2019 were the years in which no summer burns were conducted; all spring burns were conducted in all years.

| **Variable** | **Year** | **Spring** | **Summer** |
| --- | --- | --- | --- |
| Dew Point | 2017 | Within (-0.97) | Below (-1.19) |
|  | 2018 | Within (0.34) | Within (-0.16) |
|  | 2019 | Within (-0.74) | Within (-0.09) |
|  | 2020 | Within (0.86) | Above (1.23) |
| Relative Humidity | 2017 | Within (-0.7) | Within (-0.61) |
|  | 2018 | Within (-0.9) | Within (-0.93) |
|  | 2019 | Within (-0.19) | Within (0.91) |
|  | 2020 | Within (0.99) | Within (0.48) |
| Vapor Pressure Deficit | 2017 | Within (0.45) | Within (-0.17) |
|  | 2018 | Above (1.45) | Within (0.98) |
|  | 2019 | Within (-0.67) | Below (-1.22) |
|  | 2020 | Within (-0.98) | Within (-0.13) |
| Wind speed | 2017 | Within (-0.6) | Below (-1.38) |
|  | 2018 | Within (-0.85) | Below (-1.72) |
|  | 2019 | Below (-1.36) | Below (-1.02) |
|  | 2020 | Below (-1.09) | Within (-0.51) |

Table 3: Seasonal deviations in fuel conditions and fire weather for spring and summer burn seasons, relative to two decades (1990-1999, 2012-2022) as presented in Fig. 4. Anomalies determined by z scores (parentheses) and categorized as above, below, or within 1 standard deviation of the average for the given historical range. 2018 and 2019 were the years in which no summer burns were conducted; all spring burns were conducted in all years.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Spring** | | **Summer** | |
| **Variable** | **Year** | **1990-99** | **2012-22** | **1990-99** | **2012-22** |
| Fuelbed Greenness (NDVI) | 2017 | Above (1.3) | Within (0.96) | Within (0.34) | Within (-0.05) |
| 2018 | Within (0.15) | Within (-0.87) | Within (0.92) | Within (0.64) |
| 2019 | Within (-0.54) | Below (-1.96) | Above (1.67) | Above (1.51) |
| 2020 | Above (1) | Within (0.48) | Within (0.37) | Within (-0.01) |
| Cumulative rainfall | 2017 | Within (-0.63) | Within (-0.89) | Within (-0.89) | Within (-0.91) |
| 2018 | Within (-0.76) | Below (-1.08) | Above (1.87) | Above (1.38) |
|  | 2019 | Within (-0.27) | Within (-0.37) | Above (1.04) | Within (0.69) |
|  | 2020 | Within (0.02) | Within (0.06) | Below (-1.16) | Below (-1.13) |
| Dew Point | 2017 | Below (-1.21) | Within (-0.98) | Below (-1.15) | Below (-1.07) |
|  | 2018 | Within (-0.05) | Within (0.63) | Within (-0.27) | Within (-0.07) |
|  | 2019 | Below (-1.01) | Within (-0.7) | Within (-0.21) | Within (0) |
|  | 2020 | Within (0.41) | Above (1.28) | Within (0.9) | Above (1.27) |
| Relative Humidity | 2017 | Within (-0.85) | Within (-0.46) | Within (-0.56) | Within (-0.37) |
| 2018 | Within (-0.99) | Within (-0.67) | Within (-0.82) | Within (-0.65) |
|  | 2019 | Within (-0.48) | Within (0.12) | Within (0.67) | Above (1.01) |
|  | 2020 | Within (0.37) | Above (1.43) | Within (0.32) | Within (0.62) |
| Vapor Pressure Deficit | 2017 | Within (0.48) | Within (0.26) | Within (-0.17) | Within (-0.32) |
| 2018 | Above (1.26) | Above (1.3) | Within (0.91) | Within (0.82) |
| 2019 | Within (-0.38) | Within (-0.9) | Below (-1.15) | Below (-1.36) |
|  | 2020 | Within (-0.62) | Below (-1.21) | Within (-0.13) | Within (-0.28) |
| Wind speed | 2017 | Within (-0.69) | Within (-0.19) | Below (-1.69) | Within (-0.91) |
| 2018 | Within (-0.97) | Within (-0.42) | Below (-2.06) | Below (-1.31) |
|  | 2019 | Below (-1.54) | Within (-0.89) | Below (-1.3) | Within (-0.5) |
|  | 2020 | Below (-1.24) | Within (-0.65) | Within (-0.74) | Within (0.1) |