

| EARWIG Results | | | |
|---|-----------------|--------------|---------------|
| Blyth Valley Borough Council | Baseline | 2050s | Change |
| TEMPERATURE | | | |
| Annual average daily temperature (°C) | 8.8 | 10.6 | +1.8 |
| Winter average daily temperature (°C) | 4.1 | 5.4 | +1.3 |
| Spring average daily temperature (°C) | 7.4 | 9.0 | +1.6 |
| Summer average daily temperature (°C) | 14.0 | 16.2 | +2.2 |
| Autumn average daily temperature (°C) | 9.6 | 11.8 | +2.1 |
| Annual average average maximum temp (°C) | 11.9 | 13.9 | +1.9 |
| Winter daily average maximum temp (°C) | 6.8 | 8.1 | +1.3 |
| Spring daily average maximum temp (°C) | 10.7 | 12.4 | +1.8 |
| Summer daily average maximum temp (°C) | 17.6 | 20.1 | +2.5 |
| Autumn daily average maximum temp (°C) | 12.7 | 14.9 | +2.2 |
| Annual average average minimum temp (°C) | 5.7 | 7.3 | +1.7 |
| Winter daily average minimum temp (°C) | 1.5 | 2.8 | +1.3 |
| Spring daily average minimum temp (°C) | 4.1 | 5.6 | +1.5 |
| Summer daily average minimum temp (°C) | 10.4 | 12.3 | +1.9 |
| Autumn daily minimum temp (°C) | 6.6 | 8.6 | +2.0 |
| Winter extreme 5 th percentile (cold) temp (°C) | -3.5 | -2.2 | +1.4 |
| Spring extreme 5 th percentile (cold) temp (°C) | -1.2 | 0.4 | +1.6 |
| Summer extreme 5 th percentile (cold) temp (°C) | 5.9 | 7.5 | +1.5 |
| Autumn extreme 5 th percentile (cold) temp (°C) | 0.1 | 2.1 | +2.0 |
| Winter extreme 10 th percentile (cold) temp (°C) | -2.3 | -1.0 | +1.3 |
| Spring extreme 10 th percentile (cold) temp (°C) | -0.1 | 1.5 | +1.5 |
| Summer extreme 10 th percentile (cold) temp (°C) | 7.0 | 8.6 | +1.6 |

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|---|----------|-------|--------|
| Autumn extreme 10 th percentile (cold) temp (°C) | 1.6 | 3.5 | +1.8 |
| Winter extreme 90 th percentile (hot) temp (°C) | 10.7 | 11.9 | +1.2 |
| Spring extreme 90 th percentile (hot) temp (°C) | 15.4 | 17.4 | +2.0 |
| Summer extreme 90 th percentile (hot) temp (°C) | 21.1 | 24.0 | +2.9 |
| Autumn extreme 90 th percentile (hot) temp (°C) | 17.8 | 20.6 | +2.7 |
| Winter extreme 95 th percentile (hot) temp (°C) | 11.8 | 13.0 | +1.2 |
| Spring extreme 95 th percentile (hot) temp (°C) | 16.6 | 18.7 | +2.1 |
| Summer extreme 95 th percentile (hot) temp (°C) | 22.3 | 25.1 | +2.8 |
| Autumn extreme 95 th percentile (hot) temp (°C) | 19.0 | 21.8 | +2.8 |
| RAINFALL | | | |
| Average annual rainfall (mm/year) | 709 | 641 | -9.6% |
| Average winter rainfall (mm/month) | 55 | 66 | +20.8% |
| Average spring rainfall (mm/month) | 54 | 50 | -7.6% |
| Average summer rainfall (mm/month) | 63 | 39 | -37.4% |
| Average autumn rainfall (mm/month) | 66 | 59 | -9.9% |
| 1-hour extreme 50% AEP rainfall event (mm) | 12 | 12 | -2.4% |
| 3-hour extreme 50% AEP rainfall event (mm) | 17 | 17 | +0.9% |
| 6-hour extreme 50% AEP rainfall event (mm) | 21 | 23 | +7.1% |
| 12-hour extreme 50% AEP rainfall event (mm) | 25 | 26 | +4.4% |
| 1-hour extreme 10% AEP rainfall event (mm) | 17 | 16 | -6.2% |
| 3-hour extreme 10% AEP rainfall event (mm) | 26 | 27 | 6.3% |
| 6-hour extreme 10% AEP rainfall event (mm) | 30 | 38 | 23.1% |
| 12-hour extreme 10% AEP rainfall event (mm) | 36 | 43 | 21.3% |

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| 1-day extreme 50% AEP rainfall event (mm) | 25 | 24 | -6.4% |
| 2-day extreme 50% AEP rainfall event (mm) | 33 | 32 | -2.8% |
| 5-day extreme 50% AEP rainfall event (mm) | 48 | 45 | -7.0% |
| 10-day extreme 50% AEP rainfall event (mm) | 64 | 61 | -4.6% |
| 1-day extreme 5% AEP rainfall event (mm) | 40 | 37 | -6.2% |
| 2-day extreme 5% AEP rainfall event (mm) | 48 | 46 | -3.2% |
| 5-day extreme 5% AEP rainfall event (mm) | 68 | 68 | 0.0% |
| 10-day extreme 5% AEP rainfall event (mm) | 94 | 91 | -3.0% |
| SNOWFALL | | | |
| Annual average daily snowfall (mm) | 0.13 | 0.06 | -50.0% |
| Winter average daily snowfall (mm) | 0.45 | 0.25 | -44.8% |
| Spring average daily snowfall (mm) | 0.04 | 0.00 | -92.1% |
| Summer average daily snowfall (mm) | 0.00 | 0.00 | 0.0% |
| Autumn average daily snowfall (mm) | 0.04 | 0.01 | -70.6% |
| FROST | | | |
| Frost days (Tmin < 0) per year | 41.3 | 19.7 | -52.2% |
| WIND | | | |
| Average annual wind speed (m/s) | 5.4 | 5.3 | -0.1 |
| Average winter wind speed (m/s) | 6.1 | 6.1 | +0.0 |
| Average spring wind speed (m/s) | 5.5 | 5.4 | -0.1 |
| Average summer wind speed (m/s) | 4.6 | 4.4 | -0.2 |
| Average autumn wind speed (m/s) | 5.3 | 5.4 | +0.0 |
| Mean annual maximum wind speed (m/s) | 13.2 | 13.3 | +0.1 |
| SOIL MOISTURE CONTENT | | | |
| Winter soil moisture | 80.2 | 80.4 | +0.2 |

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| content (mm) | 80.2 | 80.4 | +0.2 |
| Spring soil moisture content (mm) | 85.3 | 87.7 | +2.4 |
| Summer soil moisture content (mm) | 35.2 | 31.2 | -4.0 |
| Autumn soil moisture content (mm) | 32.7 | 27.8 | -4.9 |