

BLACKWATER (NATIONAL WILDLIFE REFUGE)																	
CAMBRIDGE, DORCHESTER COUNTY, MARYLAND																	
RAWS Station Elevation: 15 feet (5 meters); Coordinates: 38° 26' 44.9"N 76° 05' 35.4"W; NWS ID: BLWM2																	
POR: 2002-Present																	
AVERAGE MAXIMUM TEMPERATURE (°F)																	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter	Spring	Summer	Autumn
2002											53.5	44.7					
2003	38.1	41.1	56.3	63.5	68.7	80.6	85.1	85.4	78.5	67.2	61.8	46.3	64.4	41.3	62.8	83.7	69.2
2004	34.8	45.7	54.9	64.6	80.6	79.8	84.7	82.6	79.5	65.9	58.3	49.8	65.1	42.3	66.7	82.4	67.9
2005	42.8	46.2	50.0	65.3	69.4	82.4	87.2	86.7	82.7	67.8	59.6	44.1	65.4	46.3	61.6	85.4	70.0
2006	50.6	47.3	56.2	68.3	75.2	81.8	88.2	87.7	75.9	66.7	59.5	53.5	67.6	47.3	66.6	85.9	67.4
2007	48.8	39.0	56.8	62.9	76.7	83.3	87.3	88.7	82.8	76.8	57.3	48.5	67.4	47.1	65.5	86.4	72.3
2008	46.3	49.9	57.3	66.0	73.0	86.0		84.6	80.3	68.3	54.3	49.9		48.2	65.4		67.6
2009	39.1	48.6	53.4	65.8	74.6	82.0	85.4	87.4	77.4	66.6	59.2	45.8	65.4	45.9	64.6	84.9	67.7
2010	42.7	41.1	58.7	70.5	78.2	88.4	90.9	88.0	82.9	70.1	58.8	40.0	67.5	43.2	69.1	89.1	70.6
2011	39.0	50.8	54.0	67.9	77.8	85.5	90.8	86.2	80.3	68.1	62.1	53.5	68.0	43.3	66.6	87.5	70.2
2012	48.8	50.8	63.8	65.8	77.7	83.8	90.3	86.0	79.3	68.7	53.4	52.7	68.4	51.0	69.1	86.7	67.1
2013	46.6	44.5	49.4	66.1	74.6	83.0	87.0	82.8	78.8	70.2	56.4	50.9	65.9	47.9	63.4	84.3	68.5
2014	41.6	44.3	50.5	65.5	76.5	83.2	84.7	83.4	79.3	69.5	54.4	48.2	65.1	45.6	64.2	83.8	67.7
2015	40.8	36.1	50.5	66.1	79.3	83.9	86.4	85.5	82.1	67.2	63.2	59.2	66.7	41.7	65.3	85.3	70.8
2016	44.3	48.6	61.1	65.0	70.8	82.8	89.2	88.8	80.8	71.0	59.5	48.4	67.5	50.7	65.6	86.9	70.4
2017	47.0	55.7	54.5	71.4	72.7	84.1	88.4	83.8	79.5	73.1	58.4	45.6	67.9	50.4	66.2	85.4	70.3
2018	42.5	51.8	49.3	62.6	79.5	83.3	86.6	88.2	82.3	69.7	54.5	50.1	66.7	46.6	63.8	86.0	68.8
2019	44.1	48.6	52.6	69.5	78.4	83.7	89.7	86.8	82.8	71.3	53.4	50.0	67.6	47.6	66.8	86.7	69.2
2020	49.5	51.0	59.3	63.2	70.6	83.0	90.3	85.5	78.0	70.0	63.0	48.5	67.7	50.2	64.4	86.3	70.3
2021	44.4	42.4	59.1	67.0	74.4	83.1	87.0	86.6	80.4	73.4	56.1	55.0	67.4	45.1	66.8	85.6	70.0
2022	42.9	51.7	58.7	64.6	75.0	82.6	87.7	87.9	79.7	65.9	61.4	48.4	67.2	49.9	66.1	86.1	69.0
2023	52.6	53.7	56.3	70.3	72.5	80.5	88.6	85.0	79.9	71.6	57.8	53.4	68.5	51.6	66.4	84.7	69.8
2024	46.5	49.7	58.6	67.0	74.6	84.9	87.3	85.1	78.7	71.5	61.5	48.7	67.8	49.9	66.7	85.8	70.6
2025	40.3	46.9	60.8	68.4	74.7	85.8	89.5	81.9	78.6	68.1	57.9	45.5	66.5	45.3	68.0	85.7	68.2
2026	40.9	43.6	61.4	70.2	73.5	85.7	88.6	87.5						43.3	68.4	87.3	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter	Spring	Summer	Autumn
Average	44.0	47.0	56.0	66.6	75.0	83.5	87.9	85.9	80.0	69.5	58.1	49.2	66.9	46.7	65.8	85.7	69.3
Maximum	52.6	55.7	63.8	71.4	80.6	88.4	90.9	88.8	82.9	76.8	63.2	59.2	68.5	51.6	69.1	89.1	72.3
Minimum	34.8	36.1	49.3	62.6	68.7	79.8	84.7	81.9	75.9	65.9	53.4	40.0	64.4	41.3	61.6	82.4	67.1

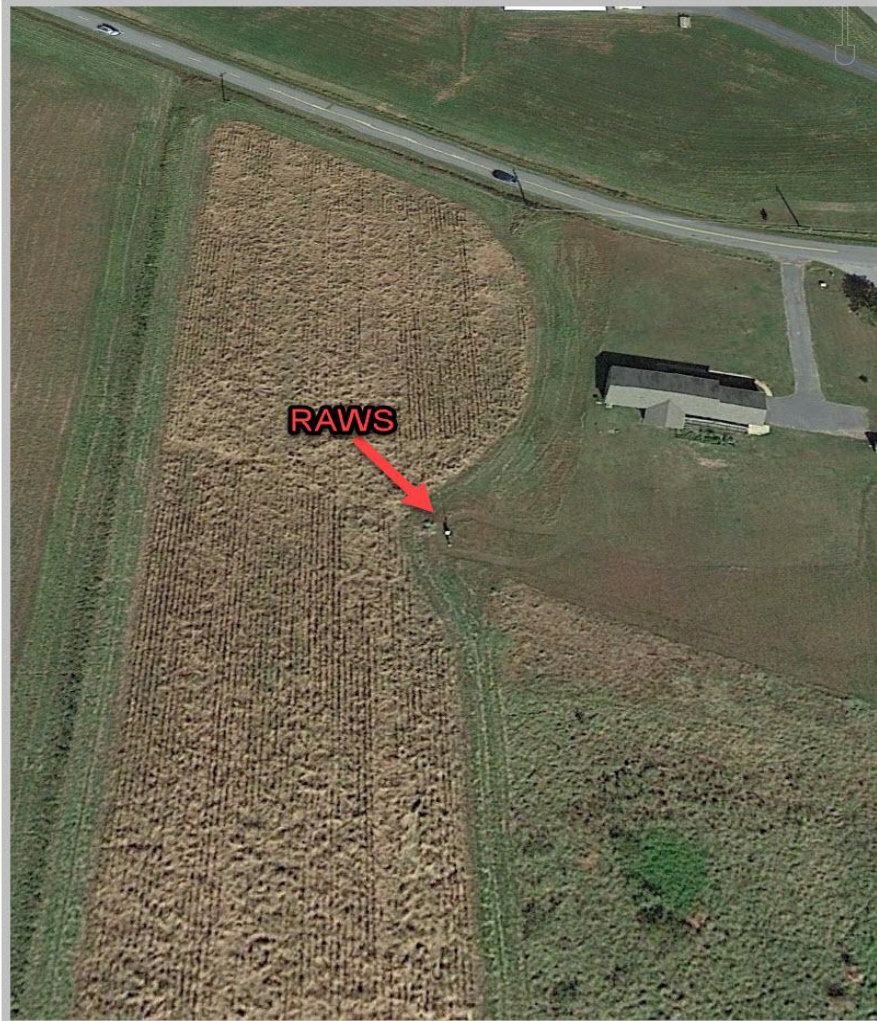
AVERAGE MINIMUM TEMPERATURE (°F)																	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter	Spring	Summer	Autumn
2002											37.4	29.4					
2003	25.3	27.9	37.4	45.7	52.9	64.3	70.4	70.4	62.1	48.4	44.2	31.8	48.4	27.5	45.3	68.4	51.6
2004	21.2	30.1	38.5	48.0	63.4	64.5	69.7	67.5	61.4	49.2	41.8	32.5	49.0	27.7	50.0	67.2	50.8
2005	29.4	31.2	35.3	45.7	51.0	66.0	70.9	70.7	61.6	51.7	41.6	29.7	48.7	31.0	44.0	69.2	51.6
2006	35.3	31.2	37.6	47.9	54.7	65.0	71.1	69.2	59.6	48.4	44.3	35.2	50.0	32.1	46.7	68.4	50.8
2007	34.4	25.1	37.7	44.3	56.2	64.9	67.5	68.7	60.6	56.0	39.0	33.5	49.0	31.6	46.1	67.0	51.9
2008	30.2	31.3	37.7	48.3	54.4	66.4		64.4	61.4	46.9	39.6	34.1		31.7	46.8		49.3
2009	25.1	31.0	36.4	49.0	57.4	65.4	67.3	69.8	59.5	49.8	45.0	31.9	49.0	30.1	47.6	67.5	51.4
2010	27.5	27.7	42.3	49.9	57.8	69.0	70.4	69.5	62.9	50.9	40.1	26.7	49.6	29.0	50.0	69.6	51.3
2011	25.9	31.2	37.8	50.1	60.3	67.1	72.0	67.6	65.1	49.9	42.6	35.1	50.4	27.9	49.4	68.9	52.5
2012	31.8	34.8	46.1	46.5	60.0	63.3	72.4	69.6	60.3	51.8	37.6	37.3	51.0	33.9	50.9	68.4	49.9
2013	33.3	31.3	34.6	46.8	56.3	67.3	73.1	66.0	57.8	52.5	38.2	39.5	49.7	34.0	45.9	68.8	49.5
2014	23.4	27.9	32.2	44.4	57.5	65.1	68.0	64.5	61.5	52.0	36.7	35.4	47.4	30.3	44.7	65.9	50.1
2015	26.8	19.3	33.0	46.9	60.9	67.2	69.7	66.6	64.1	48.5	43.3	44.1	49.2	27.2	46.9	67.8	52.0
2016	27.5	32.4	42.1	45.1	55.4	65.4	72.8	70.5	65.3	53.1	40.7	32.9	50.3	34.7	47.5	69.6	53.0
2017	34.5	37.4	36.8	53.6	55.8	65.9	71.4	66.8	61.7	53.6	39.0	29.2	50.5	34.9	48.7	68.0	51.4
2018	25.2	36.7	34.3	43.9	61.8	66.0	69.4	72.0	68.8	53.5	39.0	35.3	50.5	30.4	46.7	69.1	53.8
2019	28.2	32.7	35.9	51.1	61.0	66.9	72.6	68.9	63.6	54.6	37.1	33.4	50.5	32.1	49.3	69.5	51.8
2020	33.9	36.0	43.2	46.1	53.8	66.9	73.4	71.2	61.1	53.3	45.6	34.2	51.6	34.4	47.7	70.5	53.3
2021	31.5	31.3	40.6	47.3	54.0	66.3	70.4	71.0	62.9	57.5	38.3	37.5	50.7	32.3	47.3	69.2	52.9
2022	25.7	31.4	39.9	46.0	59.0	64.6	71.2	70.3	61.9	48.3	42.5	31.0	49.3	31.5	48.3	68.7	50.9
2023	37.6	36.9	39.1	50.8	53.6	62.7	72.2	69.0	63.3	52.4	38.2	37.5	51.1	35.2	47.8	68.0	51.3
2024	33.0	34.4	41.7	50.5	60.1	67.5	73.2	68.4	62.8	49.7	43.8	32.4	51.5	35.0	50.8	69.7	52.1
2025	24.7	31.2	41.6	50.2	59.6	69.1	72.8	65.0	62.6	50.3	40.2	29.0	49.7	29.4	50.5	69.0	51.0
2026	25.4	28.4	41.5	49.7	57.1	66.1	71.1	71.9						27.6	49.4	69.7	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter	Spring	Summer	Autumn
Average	29.0	31.2	38.5	47.8	57.3	66.0	71.0	68.7	62.3	51.4	40.7	33.7	49.8	31.3	47.8	68.6	51.5
Maximum	37.6	37.4	46.1	53.6	63.4	69.1	73.4	72.0	68.8	57.5	45.6	44.1	51.6	35.2	50.9	70.5	53.8
Minimum	21.2	19.3	32.2	43.9	51.0	62.7	67.3	64.4	57.8	46.9	36.7	26.7	47.4	27.2	44.0	65.9	49.3

AVERAGE MEAN TEMPERATURE (°F)																	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter	Spring	Summer	Autumn
2002											45.5	37.0					
2003	31.7	34.5	46.7	54.6	60.7	72.4	77.8	77.9	70.3	57.8	53.0	39.1	56.4	34.4	54.0	76.0	60.4
2004	27.6	37.9	46.7	56.3	72.4	72.2	77.2	75.1	70.4	57.5	50.0	41.5	57.1	34.9	58.5	74.8	59.3
2005	36.1	38.5	42.6	55.5	60.1	74.2	79.0	78.7	72.2	59.7	50.6	36.9	57.0	38.7	52.7	77.3	60.8
2006	43.0	39.3	46.9	58.1	64.9	73.4	79.6	78.5	67.7	57.5	51.9	44.3	58.8	39.7	56.6	77.2	59.0
2007	41.5	32.3	47.3	53.6	66.5	74.1	77.4	78.7	71.7	66.3	48.2	41.0	58.2	39.4	55.8	76.7	62.1
2008	38.2	40.6	47.5	57.2	63.7	76.2		74.4	70.9	57.6	47.0	42.1		39.9	56.1		58.5
2009	32.1	39.8	44.9	57.4	66.0	73.7	76.3	78.6	68.5	58.1	52.1	38.6	57.2	38.0	56.1	76.2	59.6
2010	35.0	34.4	50.5	60.2	68.0	78.7	80.6	78.8	72.9	60.5	49.5	33.4	58.5	36.0	59.6	79.4	61.0
2011	32.5	41.0	45.9	59.0	69.0	76.3	81.4	76.9	72.7	59.0	52.4	44.3	59.2	35.6	58.0	78.2	61.4
2012	40.3	42.8	55.0	56.2	68.9	73.5	81.3	77.8	69.8	60.2	45.5	45.0	59.7	42.5	60.0	77.5	58.5
2013	40.0	37.9	42.0	56.5	65.4	75.2	80.1	74.4	68.3	61.3	47.4	46.2	57.9	41.0	54.6	76.6	59.0
2014	31.9	36.1	41.3	54.9	67.0	74.1	76.3	73.9	70.4	60.7	45.7	41.8	56.2	38.1	54.4	74.8	58.9
2015	33.8	27.7	41.8	56.6	70.1	75.6	78.0	76.1	73.1	57.9	53.3	51.6	58.0	34.4	56.2	76.6	61.4
2016	35.9	40.7	51.6	55.1	63.1	74.1	81.0	79.7	73.1	62.1	50.1	40.7	58.9	42.7	56.6	78.3	61.8
2017	40.8	46.6	45.7	62.5	64.3	75.0	79.9	75.3	70.6	63.4	48.4	36.9	59.1	42.7	57.5	76.7	60.8
2018	33.9	44.2	41.8	53.3	70.6	74.7	78.0	80.1	75.6	61.6	46.7	42.7	58.6	38.3	55.2	77.6	61.3
2019	36.1	40.6	44.2	60.3	69.7	75.3	81.1	77.9	73.2	63.0	45.2	41.7	59.0	39.8	58.1	78.1	60.5
2020	41.7	43.5	51.2	54.7	62.2	75.0	81.8	78.3	69.6	61.6	54.3	41.4	59.6	42.3	56.0	78.4	61.8
2021	37.9	36.9	49.9	56.9	64.2	74.7	78.7	78.8	71.7	65.5	47.2	46.3	59.0	38.7	57.0	77.4	61.4
2022	33.9	41.2	49.3	55.3	67.0	73.6	79.4	79.1	70.8	57.1	51.7	39.7	58.2	40.5	57.2	77.4	59.9
2023	45.1	45.3	47.7	60.5	63.0	71.6	80.4	77.0	71.6	62.0	48.0	45.5	59.8	43.4	57.1	76.3	60.5
2024	39.8	42.1	50.2	58.8	67.4	76.2	80.3	76.8	70.8	60.6	52.7	40.7	59.7	42.4	58.8	77.7	61.3
2025	32.5	39.1	51.2	59.3	67.2	77.5	81.2	73.5	70.6	59.2	49.1	41.7	58.5	37.4	59.2	77.4	59.6
2026	33.2	36.0	51.5	60.0	65.3	75.9	79.9	79.7						37.0	58.9	78.5	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter	Spring	Summer	Autumn
Average	36.4	39.1	47.2	57.2	66.1	74.7	79.4	77.3	71.1	60.4	49.4	41.7	58.3	39.1	56.8	77.2	60.4
Maximum	45.1	46.6	55.0	62.5	72.4	78.7	81.8	80.1	75.6	66.3	54.3	51.6	59.8	43.4	60.0	79.4	62.1
Minimum	27.6	27.7	41.3	53.3	60.1	71.6	76.3	73.5	67.7	57.1	45.2	33.4	56.2	34.4	52.7	74.8	58.5

BLACKWATER TEMPERATURE EXTREMES

Extreme High Daily Maximum Temperature:	101°	7/4/2026; 7/3/2026; 7/7/2010; 7/6/2010
Extreme Low Daily Minimum Temperature:	-4°	1/30/2014
Extreme Low-Highest Monthly Maximum Temperature:	50°	1/24/2009
Extreme High-Lowest Monthly Minimum Temperature:	67°	7/2/2020

Blackwater RAWS Station



Images from Google Earth