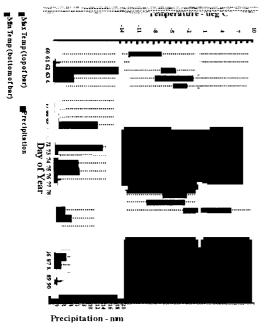
## METEOROLOGICAL AND DEPOSITION CHEMISTRY MONITORING - 1994 -

Joanne Cummings and Tim Scherbatskoy

COOPERATORS:	
ABSTRACT:	
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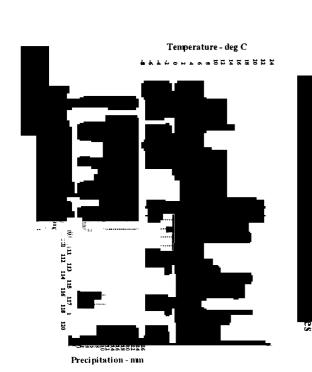
OD IF CTIVES
METHODS:
issum: matriti in professorasteron ora genacona and projitanie were opienie dalla
1. Basic Meteorology - Temperature, dew point, wind speed and direction, standard deviation
Consolidation of the historic and current basic meteorology data from the VMC Mansfield site has
CANISTING THE HISTORICALITY CHIEF TAXIC THE LANGUAGE DATA THE THE PARTY OF THE HAS
The National Weather Samine (NIWS) and a NOA A commission a second mostly restricted the





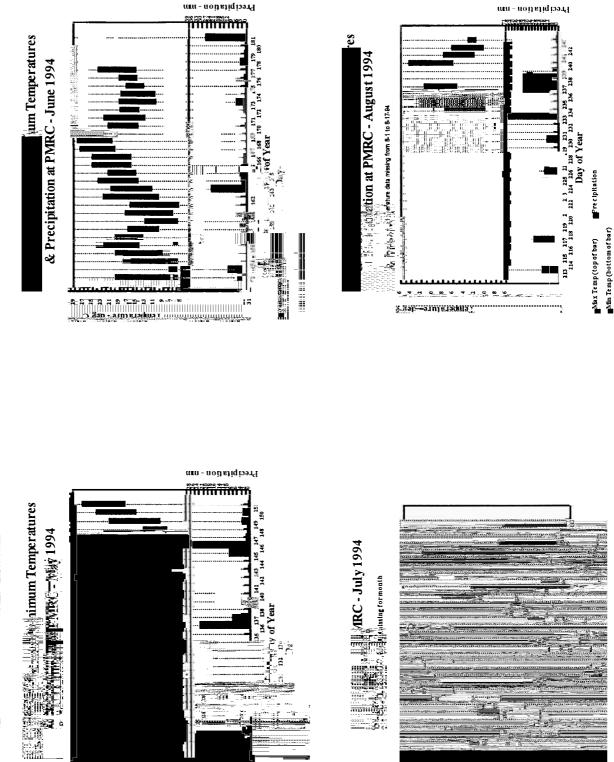
Mean Daily Maximum/Minimum Temperatures

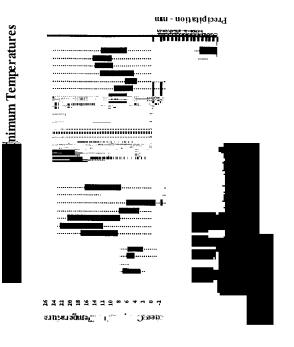
Min Temp (bottom of bar)

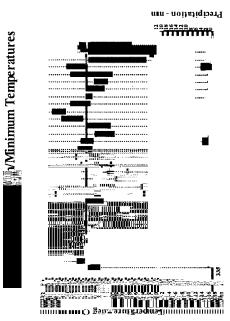




Form the PMRC 1994









PPR

Mean Daily Maximum/Minimum Temperatures & Precipitation at PMRC - November 1994

271 273

Min Temp (bottom of bar)

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4.	<u>Precipitation</u>	Chemistry	_ Th	e NADP/NTN	(National	Atmospheric	Denosition

## Table 1. National Atmospheric Deposition/National Trends Network.

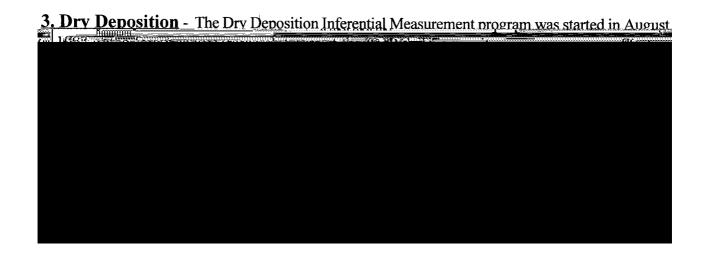
National Atmospheric Deposition Program/National Trends 1994 ANNUAL & SEASONAL DATA SUMMARY (Printed 10/26/95) SITE IDENTIFICATION SAMPLE VALIDITY FOR ANNUAL PER Underhill Sampling Intervals Valid Samples
with precipitation
with full chemistry# (45)
without chemistry (1) 46 without precipitation Invalid Samples with precipitation missing precipitation data SUMMARY PERIOD INFORMATION Winter\* Annual First summary day (Vrmoda)

626. Summary day (Vrmoda)

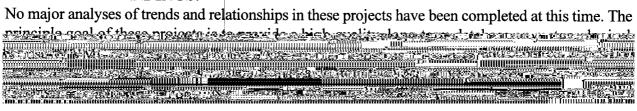
Summary day (Vrmoda)

Summary perlod (days)

Sampling intervals 940104 950103 931130 940301 91 12 .....9.3-<u>...</u> 52 17.6 10 10 113.6 31.7 23.4 45 40 Annual Winter\* Fall 76.9 100.0 83.5 83.5 92.3 100.0 100.0 97.2 96.6 STATISTICAL SUMMARY OF PRECIPITATION CHEMISTRY FOR VALID SAMPLES PRECIPITATION-Na NH4 NO3 SO4 H(lab) pH pH (lab) (fld) WEIGHTED MEAN CONCENTRATIONS mg/L 0.015 0.006 0.022 0.016 0.011 1.52 1.98 1.59 1.47 1.35 0.07 0.09 0.06 0.07 0.07 4.89e-2 4.15e-2 3.79e-2 6.73e-2 4.02e-2 4.35 4.31 4.41 4.38 4.50 4.42 4.30 4.53 Weige 305 Annual Winter\* . 04 Spring Summer Fall DEPOSITION kg/ha 0.170 0.011 0.070 0.067 17.22 3.47 5.04 6.17 3.15 5.55e-1 7.29e-2 1.20e-1 Annual Winter\* Spring Summer Fall 0.026 WEEKLY SAMPLE CONCENTRATIONS mg/L COMENTATIONS
Minimum value
Percentile 10
Percentile 25
Percentile 50
Percentile 71 0.02 0.05 0.07 0.28 0.38 0.69 1.02 0.20 0.45 0.78 1.49 0.03 0.04 0.05 0.07 0.09 0.20 0.55 6.76e-3 1.45e-2 2.11e-2 3.55e-2 6.47e-2 1.03e-1 1.55e-1 0.011 0.014 0.019 0.030 7.76e-3 1.60e-2 2.79e-2 4.17e-2 7.42e-2 1.18e-1 1.66e-1 0.18 0.36 0.63 are A section with the 0.09 5.31e-2 ∂c55e-2 2 OTHER Measured Conduc-Equ alence Ratios PARAMETERS 504 NO3 SO4+NO3 H(lab) 0.09 0.36 0.75 1.49 2.23 0.88 0.72 1.05 1.25 1.40 1.61 2.66 4.34 0.94 0.97 1.00 1.03 1.19



## **SIGNIFICANT FINDINGS:**



## **FUNDING:**

