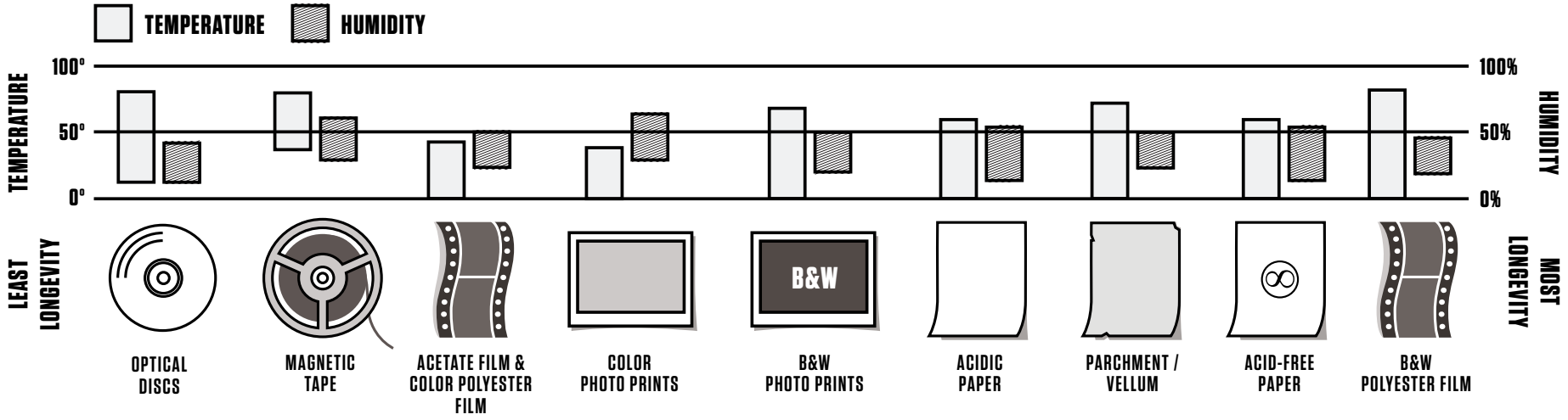
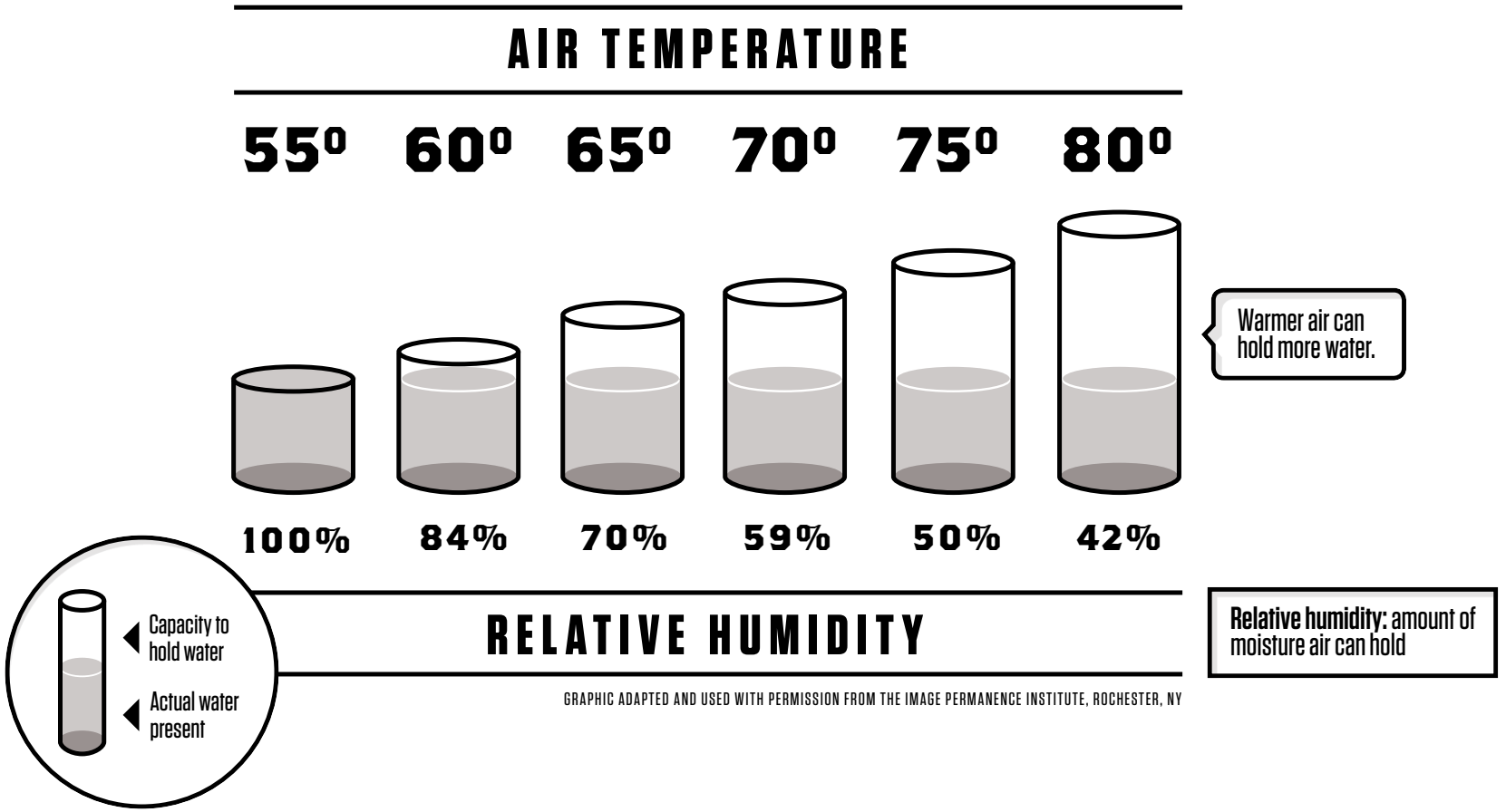
Ideal Condition Ranges by Material Type



RELATIVE HUMIDITY



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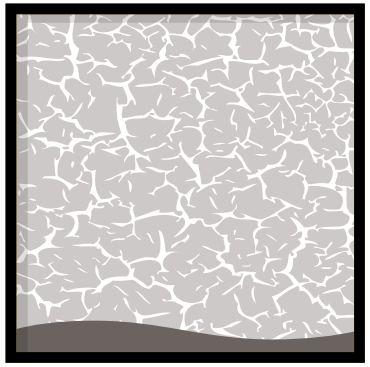
CONSERVATION CENTER for art & historic artifacts

Penn Libraries

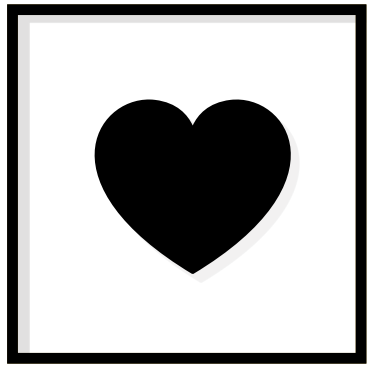
Effects of Temperature and Relative Humidity

High relative humidity
Swelling

High temperature
Increased rate of deterioration

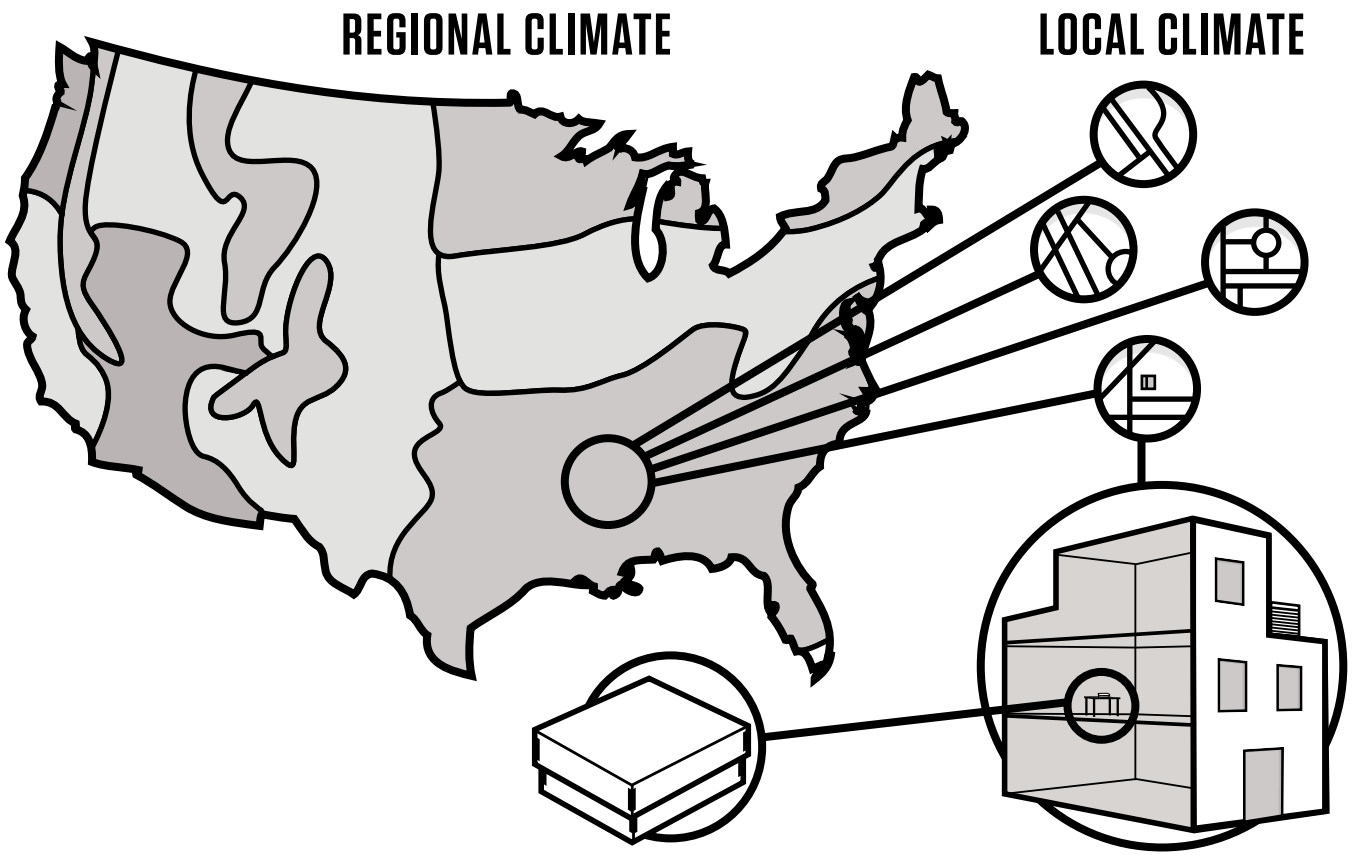


Low relative humidity
Dessication, cracking



Lower temperature + lower relative humidity
Longer life

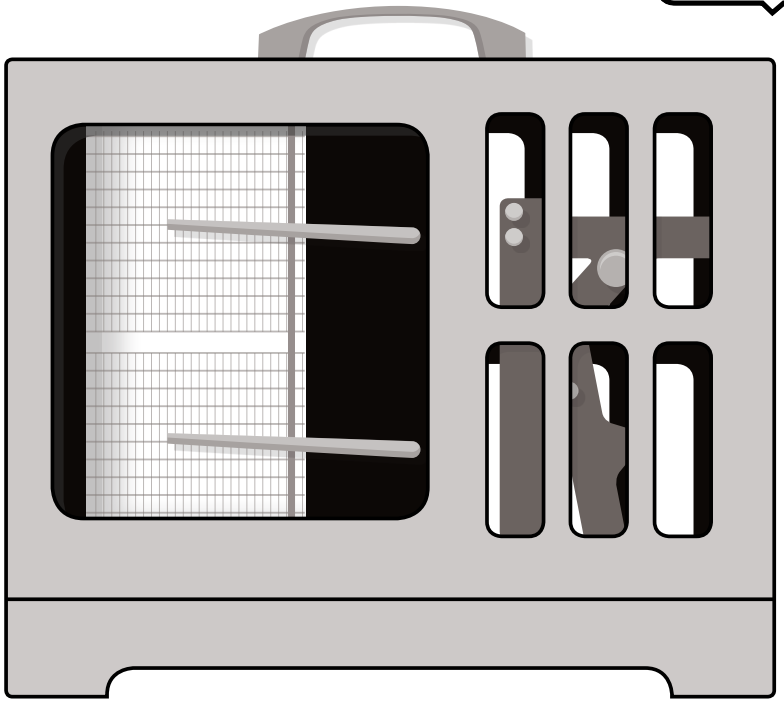
What Affects the Collections Environment?



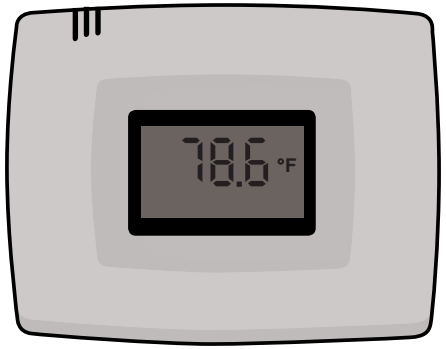
How Do I Know What My Environment Is Doing?

HYGROTHERMOGRAPH

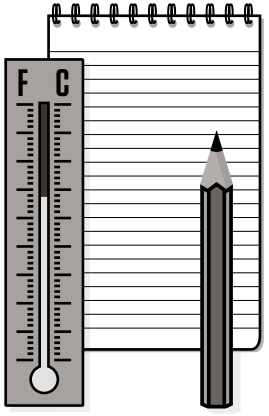
Analyze data



DATALOGGER



MANUAL RECORDING



Monitor and record temperature and relative humidity

Environmental Effects on Collection Longevity