APPENDIX B

METEROLOGICAL DATA

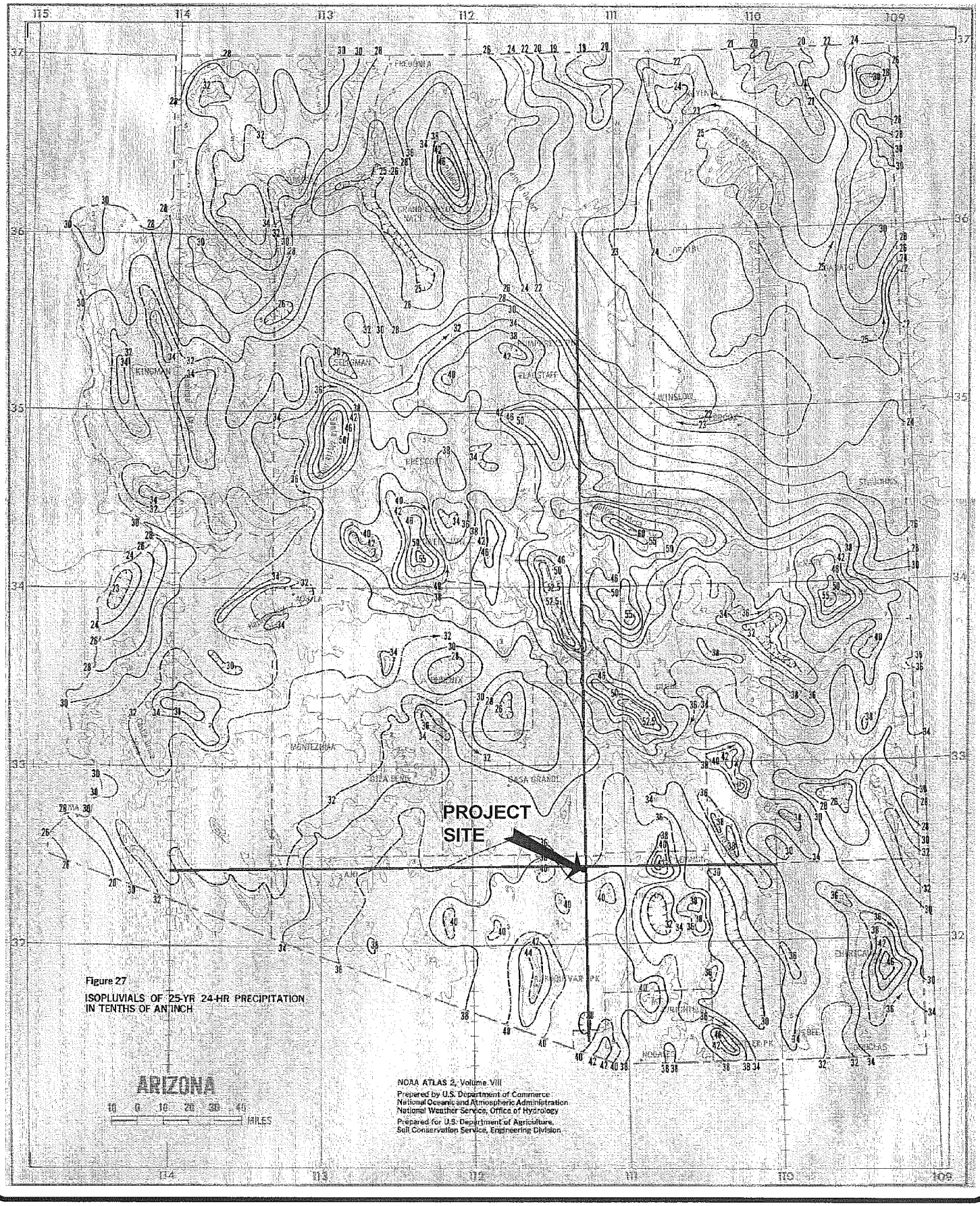

Figure 27

ISOPLUVIALS OF 25-YR 24-HR PRECIPITATION IN TENTHS OF AN INCH

File: X:\PROJECTS\ NA – SWFP – 090250\PROJECT DRAWINGS\SPMSWFPS-FIG B01_ISOPLUVIAL 25-YR.dwg Layout: B1 User: Mark.Case May 05, 2011 – 9:10am

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DKL HOLDINGS
MARANA REGIONAL LANDFILL
SOLID WASTE FACILITY PLAN
(25-YR 24 HOUR)
ISOPLUVIAL RAINFALL DEPTHS

FIGURE NO.
B1
PROJECT NO.
090250.3

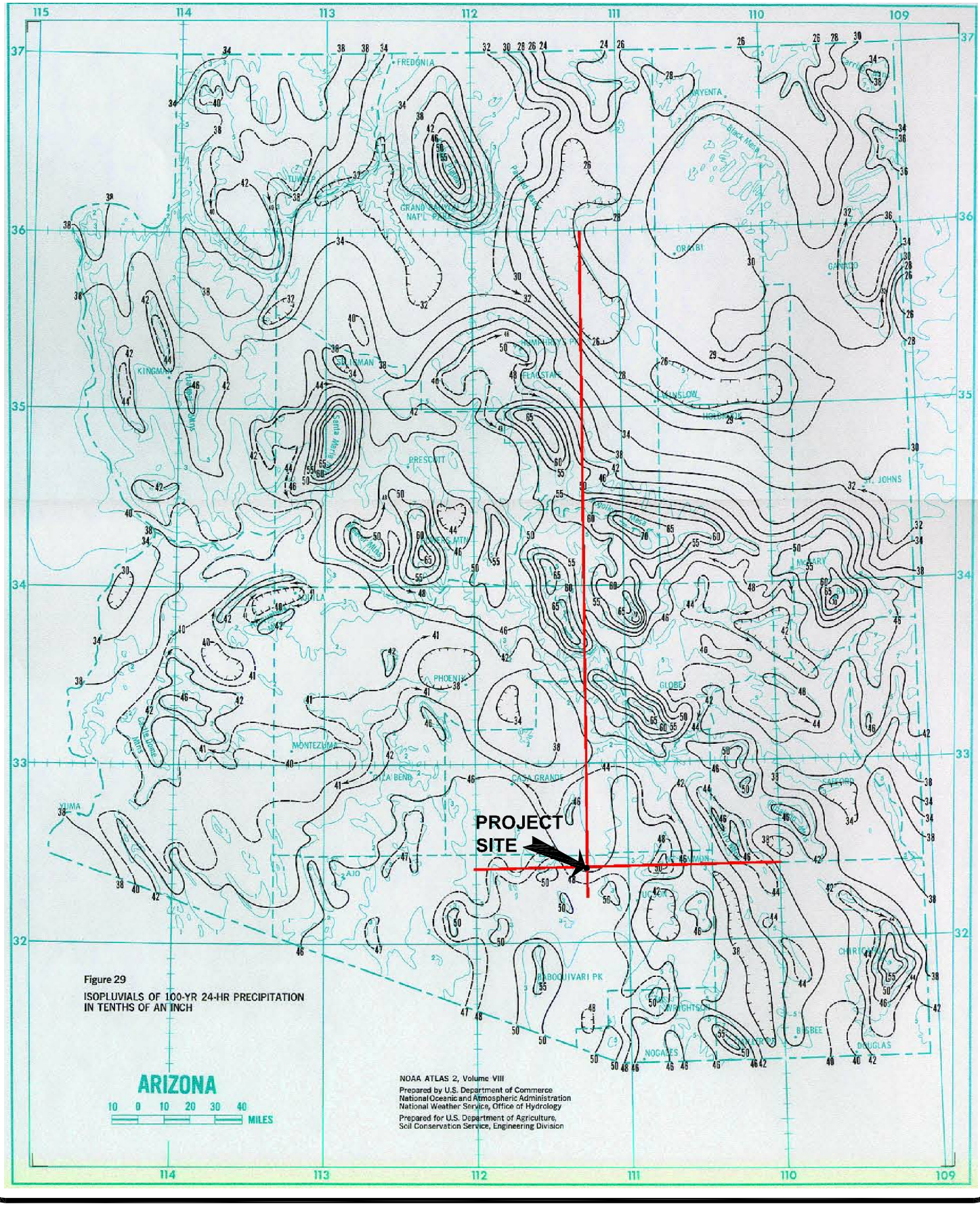

Figure 29

ISOPLUVIALS OF 100-YR 24-HR PRECIPITATION IN TENTHS OF AN INCH

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DKL HOLDINGS
MARANA REGIONAL LANDFILL
SOLID WASTE FACILITY PLAN
(100-YR 24 HOUR)
ISOPLUVIAL RAINFALL DEPTHS

FIGURE NO.
B2
PROJECT NO.
090250.3

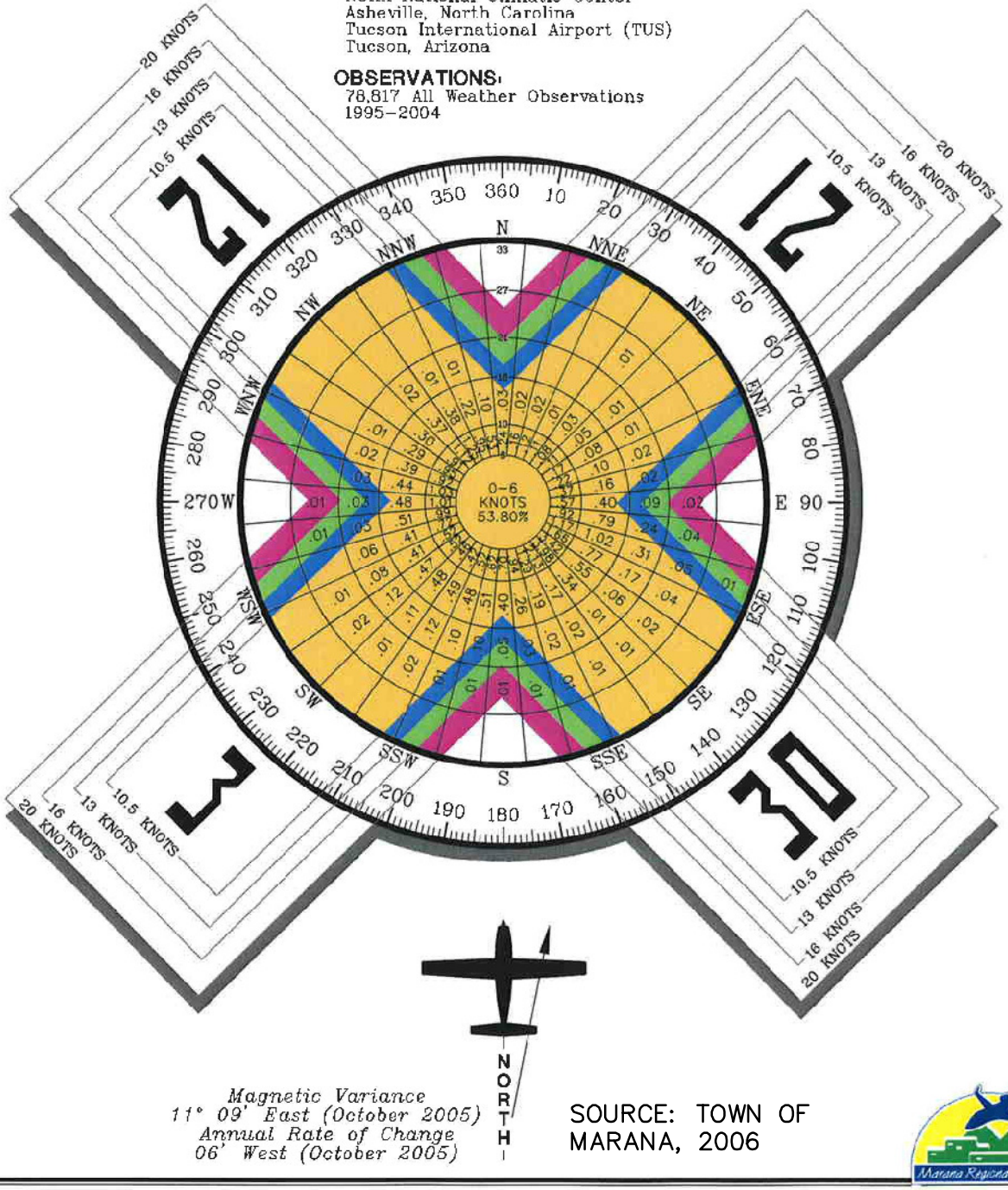
File: X:\PROJECTS\MARANA - SWFP - 090250\PROJECT DRAWINGS\SPMSWFPS-FIG B02_ISOPLUVIAL 100-YR.dwg Layout: B2 User: Mark.Case May 05, 2011 - 1:39pm

ALL WEATHER WIND COVERAGE

Runways	10.5 Knots	13 Knots	16 Knots	20 Knots
Runway 3–21	*92.48%*	*95.90%*	*98.94%*	*99.77%*
Runway 12–30	*94.60%*	*97.16%*	*99.12%*	*99.79%*
Combined	*99.13%*	*99.79%*	*99.96%*	*100.00%*

SOURCE:
NOAA National Climatic Center
Asheville, North Carolina
Tucson International Airport (TUS)
Tucson, Arizona

OBSERVATIONS:
78,817 All Weather Observations
1995–2004



Magnetic Variance
11° 09' East (October 2005)
Annual Rate of Change
06' West (October 2005)

NORTH

SOURCE: TOWN OF MARANA, 2006

Marana Regional Airport

CORNERSTONE Environmental Group, LLC

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MARANA REGIONAL LANDFILL
SOLID WASTE FACILITY PLAN

WIND ROSE

FIGURE NO.
B3
PROJECT NO.
090250.3

File: X:\PROJECTS\MARANA – SWFP – 090250\PROJECT DRAWINGS\SPMSWFPS-FIG B03_WIND ROSE.dwg Layout: PS Layout User: Mark.Case May 05, 2011 – 1:44pm

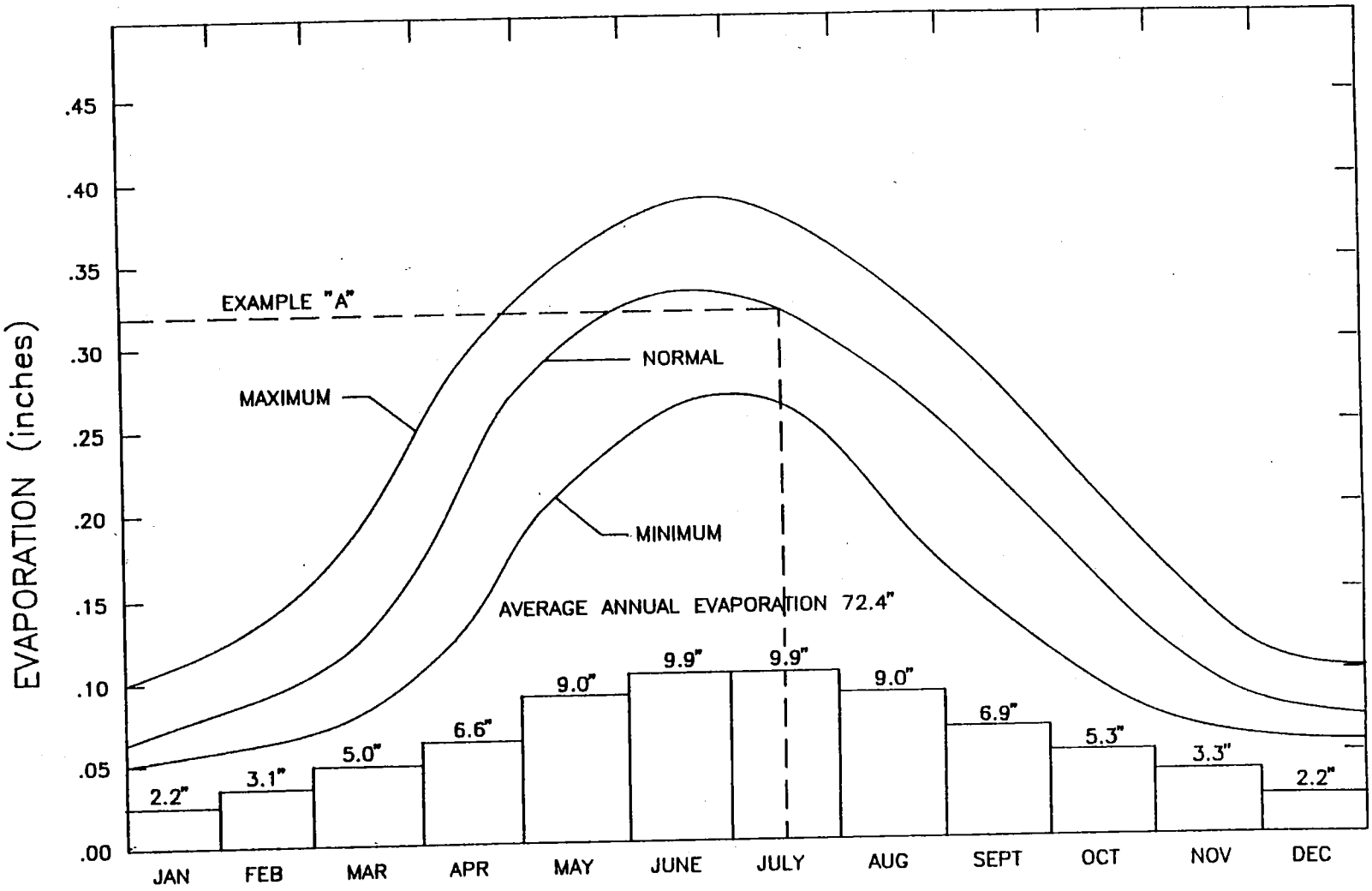

FIGURE 9. MAXIMUM, NORMAL AND MINIMUM DAILY EVAPORATION AND AVERAGE MONTHLY EVAPORATION FROM OPEN WATER SURFACES (Adjustment Factor = 1.00)
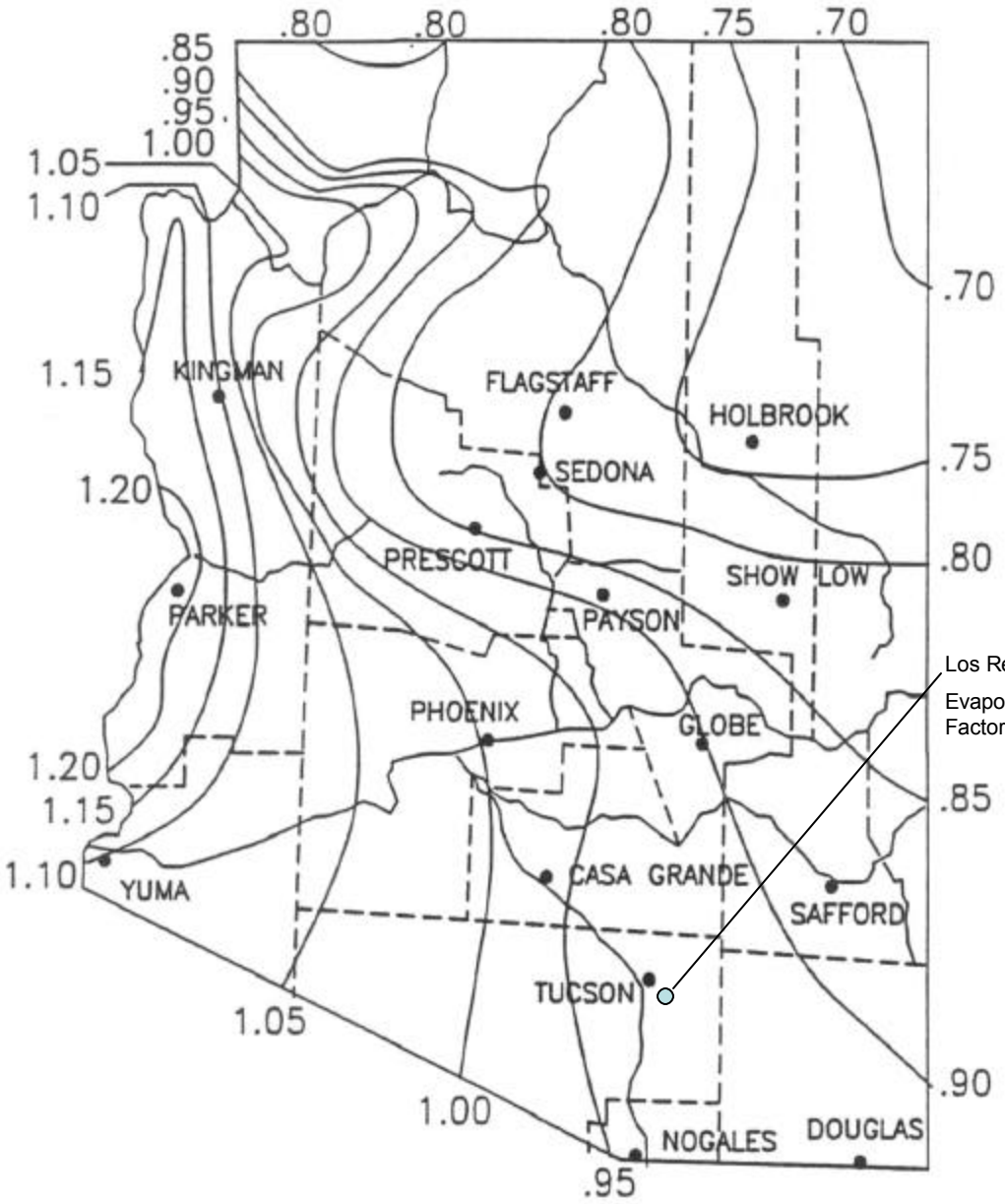
FIGURE 10. EVAPORATION ADJUSTMENT FACTORS FOR ARIZONA