

# Eastern Washington Stormwater Manual Isopluvial maps

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Figure 4.3.1: Average Annual Precipitation and Climate Regions

Figure 4.3.2: 2-year,2-hour Isopluvial Map

Figure 4.3.3: 2-year,24-hour Isopluvial Map

Figure 4.3.4: 10-year,24-hour Isopluvial Map

Figure 4.3.5: 25-year,24-hour Isopluvial Map

Figure 4.3.6: 50-year,24-hour Isopluvial Map

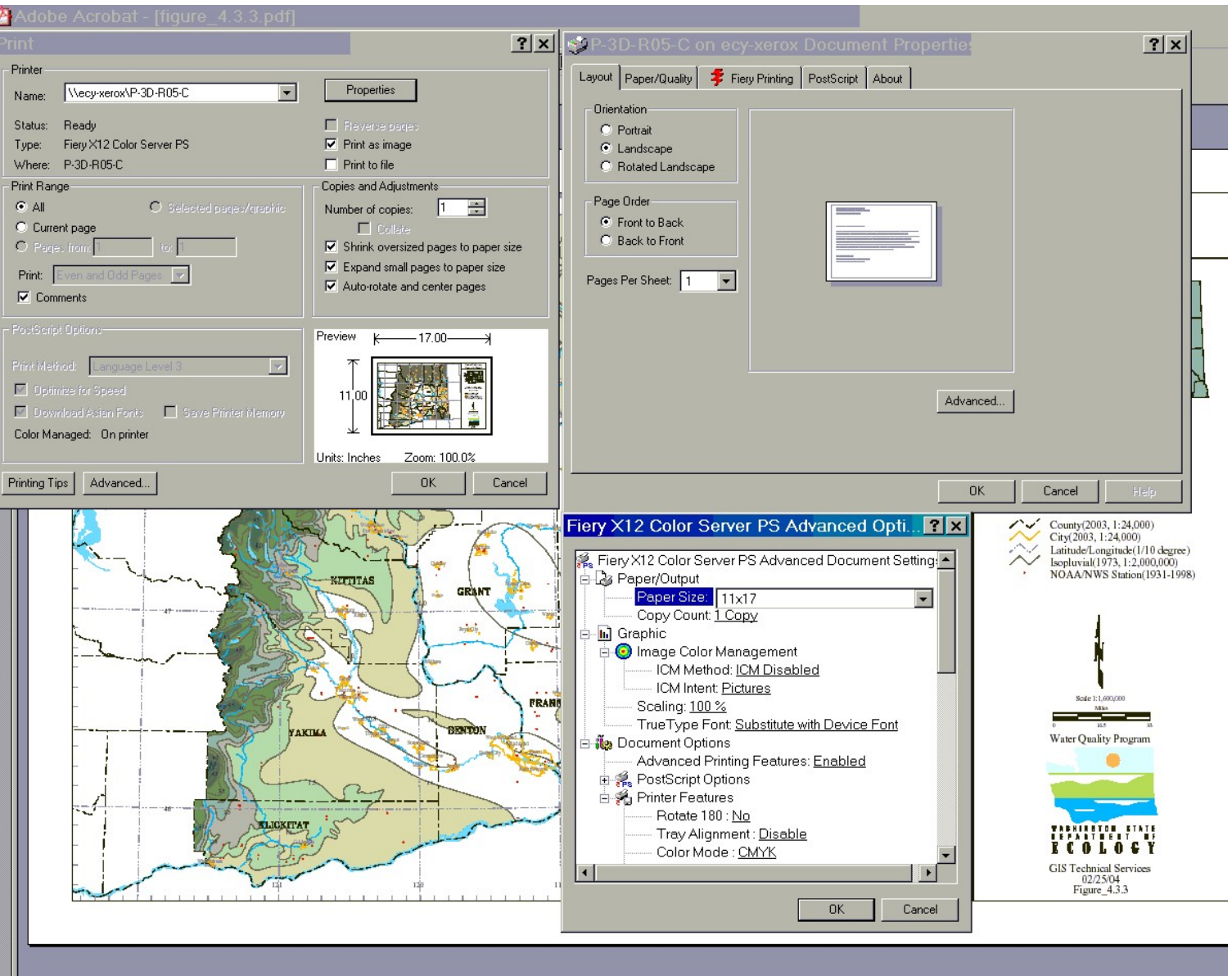
Figure 4.3.7: 100-year,24-hour Isopluvial Map

## **Directions for using Isopluvial maps:**

This data set was developed specifically for the Stormwater Management Manual for Eastern Washington (Ecology, 2004). Precipitation values on all maps are shown in 1/10 inch increments along digitized Isopluvial Arcs. It is expected that all stormwater values extracted from these maps or from the data coverage sets will come from the Isopluvial Arcs and the Arc Attribute (.aat) table ONLY. Polygon values in the coverage data sets should not be used for determining stormwater precipitation, runoff or retention. Areas lying within a polygon and not directly on, or sufficiently close to, a value driven arc should be given an interpolated value between the two directly adjacent arcs. For example; if the desired location lies midway between isopluvial arc values 0.8 and 1.0, the interpreted value for the area will be 0.9 (the polygon value for this area may be 0.8 or 1.0, but for the intended use 0.9 is the correct value).

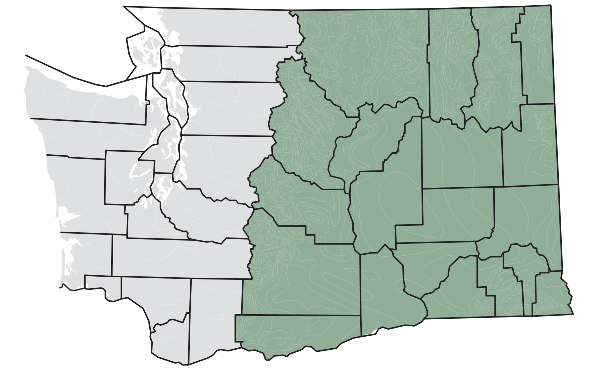
All maps are landscape format and 11x17 page size. See Print screen view and Help dialog on page two of this document for assistance printing these maps.

For additional help printing or viewing these maps please contact:  
Mike Woodall, GIS-TSG, (360)407-6088 or [miwo461@ecy.wa.gov](mailto:miwo461@ecy.wa.gov)








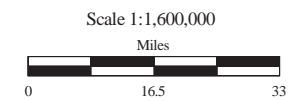
To print from Acrobat view screen;  
 click print  
 click the desired printer from Printer Name box dropdown box  
 click Properties  
 from the Properties window;  
 click Layout  
 click Landscape  
 click Advanced  
 from the Advanced window;  
 click the Paper Size dropdown arrow and choose 11x17  
 click Ok in the Advanced window  
 click Ok in the Properties window  
 the map should now show in full page size in the preview panel click Ok in the Print window to print

# Eastern Washington Stormwater Manual



100-Year 24-Hour Isopluvials  
Source: NOAA Atlas 2, Volume IX, 1973  
Precipitation in inches

-  County(2003, 1:24,000)
-  City(2003, 1:24,000)
-  Latitude/Longitude(1/10 degree)
-  Isopluvial(1973, 1:2,000,000)
-  NOAA/NWS Station(1931-1998)

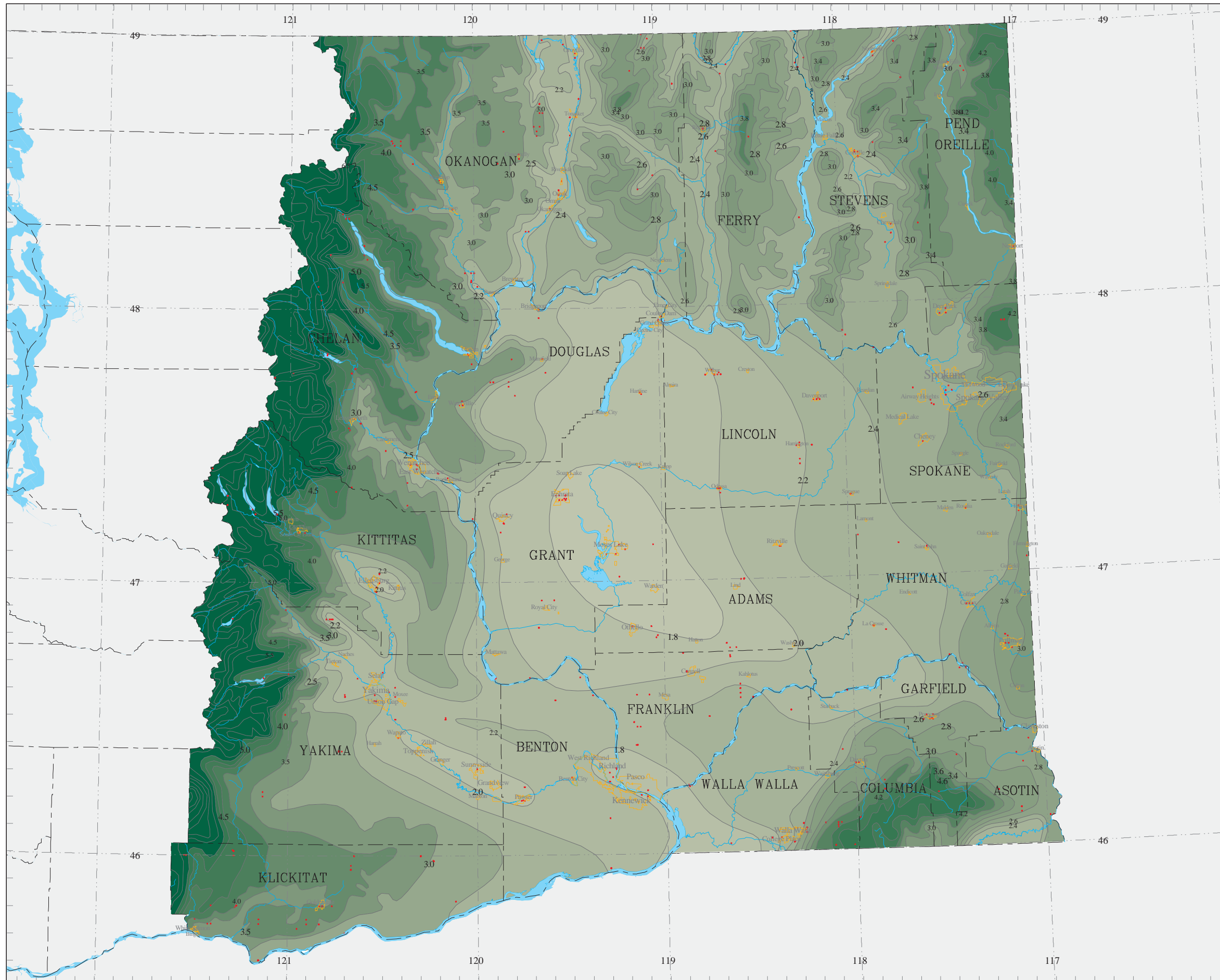


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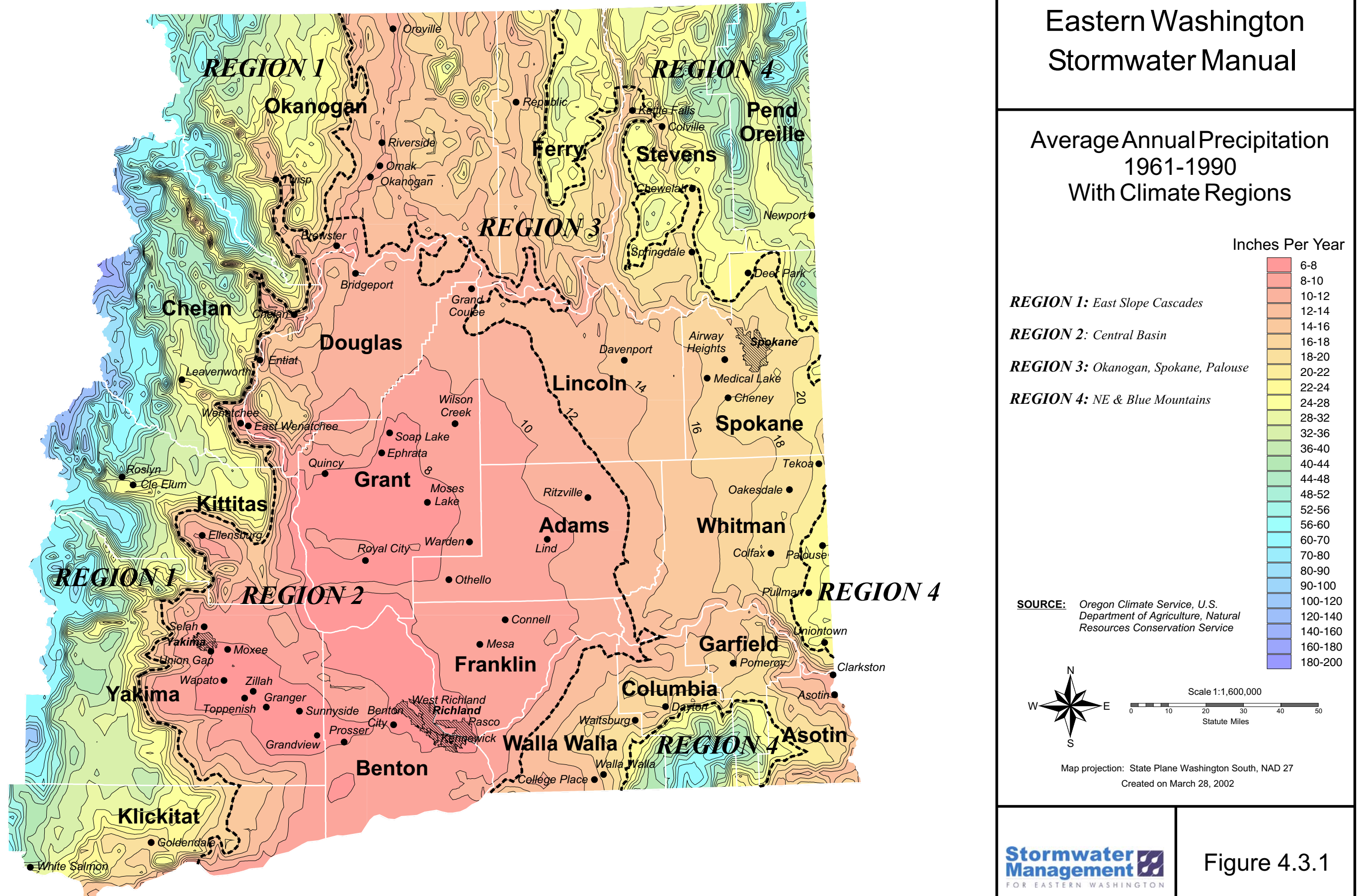
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**ECOLOGY**

GIS Technical Services  
02/25/04  
Figure\_4.3.7



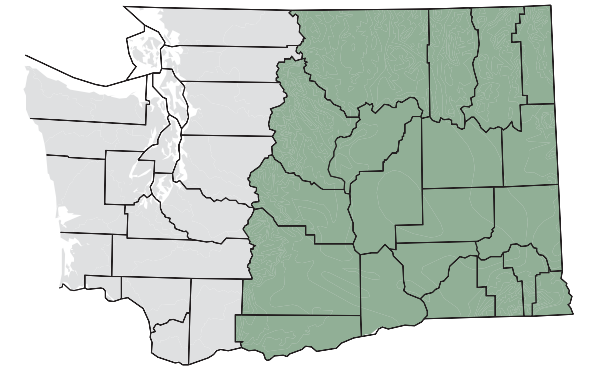
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## Average Annual Precipitation 1961-1990 With Climate Regions










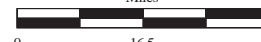
# Eastern Washington Stormwater Manual



**2-Year 24-Hour Isopluvials**  
 Source: NOAA Atlas 2, Volume IX, 1973  
 Precipitation in inches

-  County(2003, 1:24,000)
-  City(2003, 1:24,000)
-  Latitude/Longitude(1/10 degree)
-  Isopluvial(1973, 1:2,000,000)
-  NOAA/NWS Station(1931-1998)



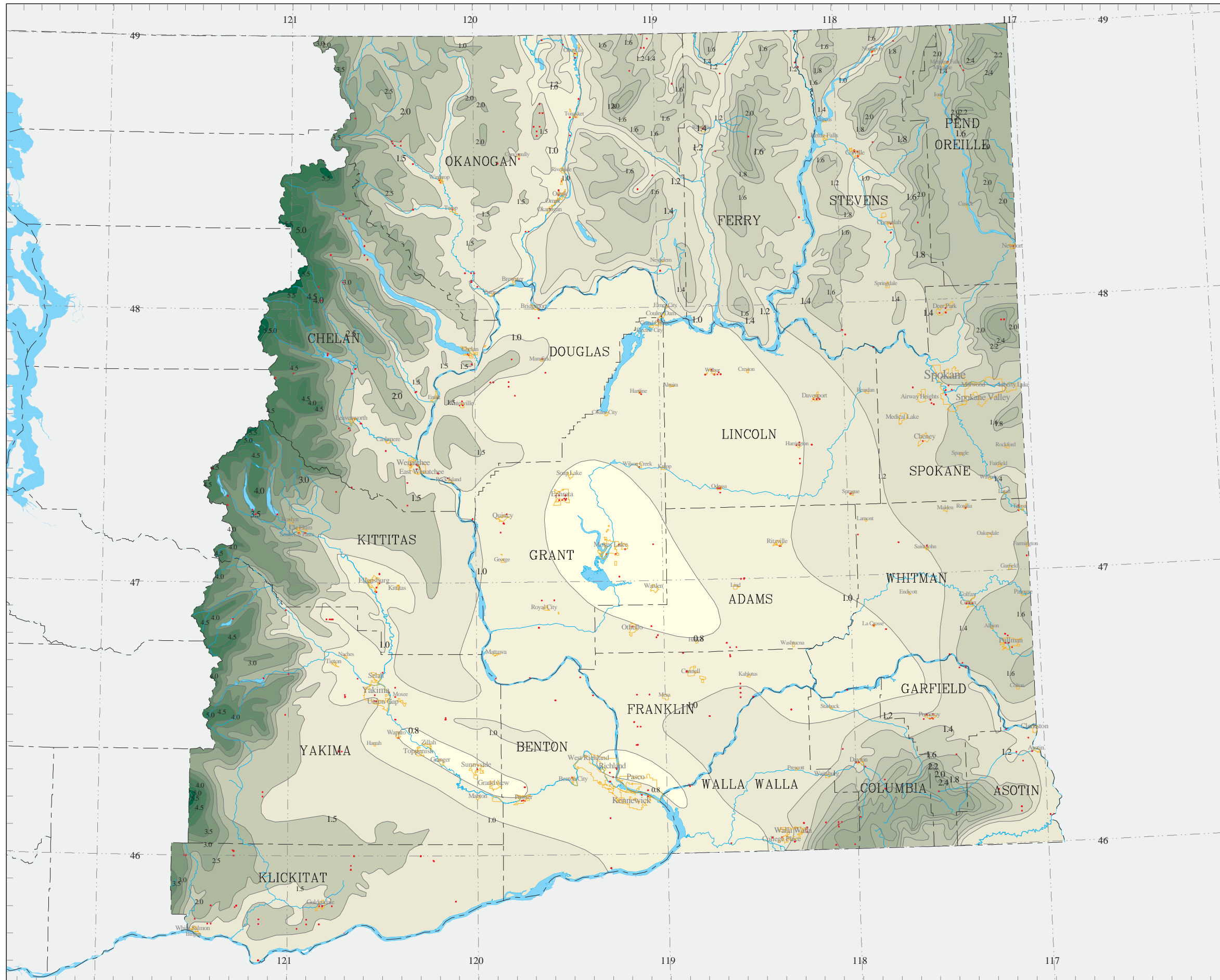
Scale 1:1,600,000  
 Miles  


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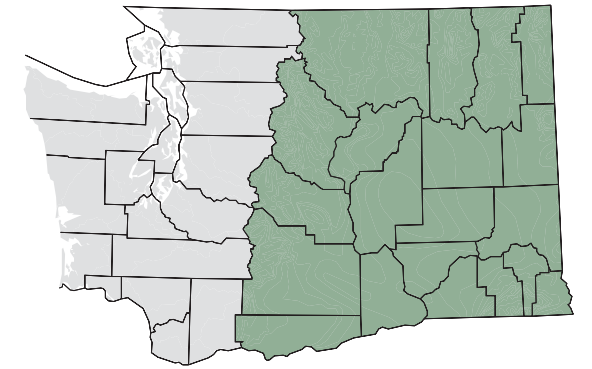


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




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 Figure\_4.3.3

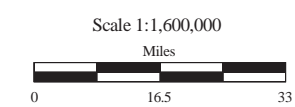


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**10-Year 24-Hour Isopluvials**  
 Source: NOAA Atlas 2, Volume IX, 1973  
 Precipitation in inches

-  County(2003, 1:24,000)
-  City(2003, 1:24,000)
-  Latitude/Longitude(1/10 degree)
-  Isopluvial(1973, 1:2,000,000)
-  NOAA/NWS Station(1931-1998)



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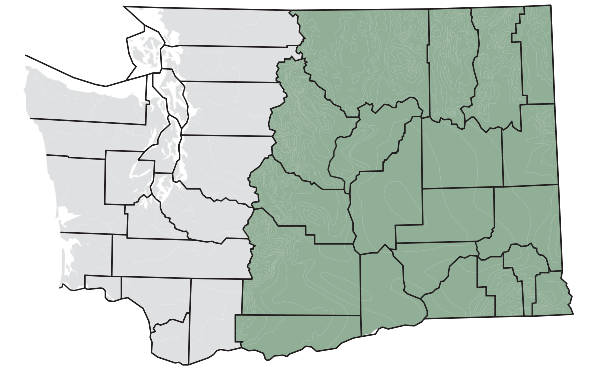


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




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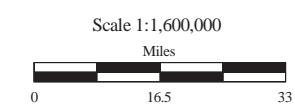


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**25-Year 24-Hour Isopluvials**  
 Source: NOAA Atlas 2, Volume IX, 1973  
 Precipitation in inches

-  County(2003, 1:24,000)
-  City(2003, 1:24,000)
-  Latitude/Longitude(1/10 degree)
-  Isopluvial(1973, 1:2,000,000)
-  NOAA/NWS Station(1931-1998)



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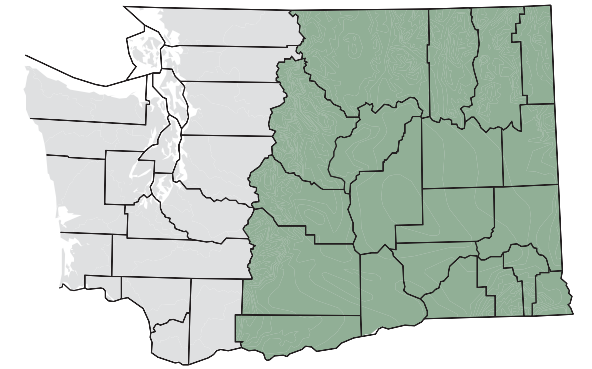
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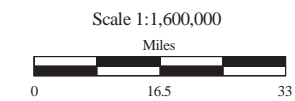


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**50-Year 24-Hour Isopluvials**  
 Source: NOAA Atlas 2, Volume IX, 1973  
 Precipitation in inches

- County(2003, 1:24,000)
- City(2003, 1:24,000)
- Latitude/Longitude(1/10 degree)
- Isopluvial(1973, 1:2,000,000)
- NOAA/NWS Station(1931-1998)



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 Figure\_4.3.6

