

Beginning

Appendix C

Additional Figures Chapter V

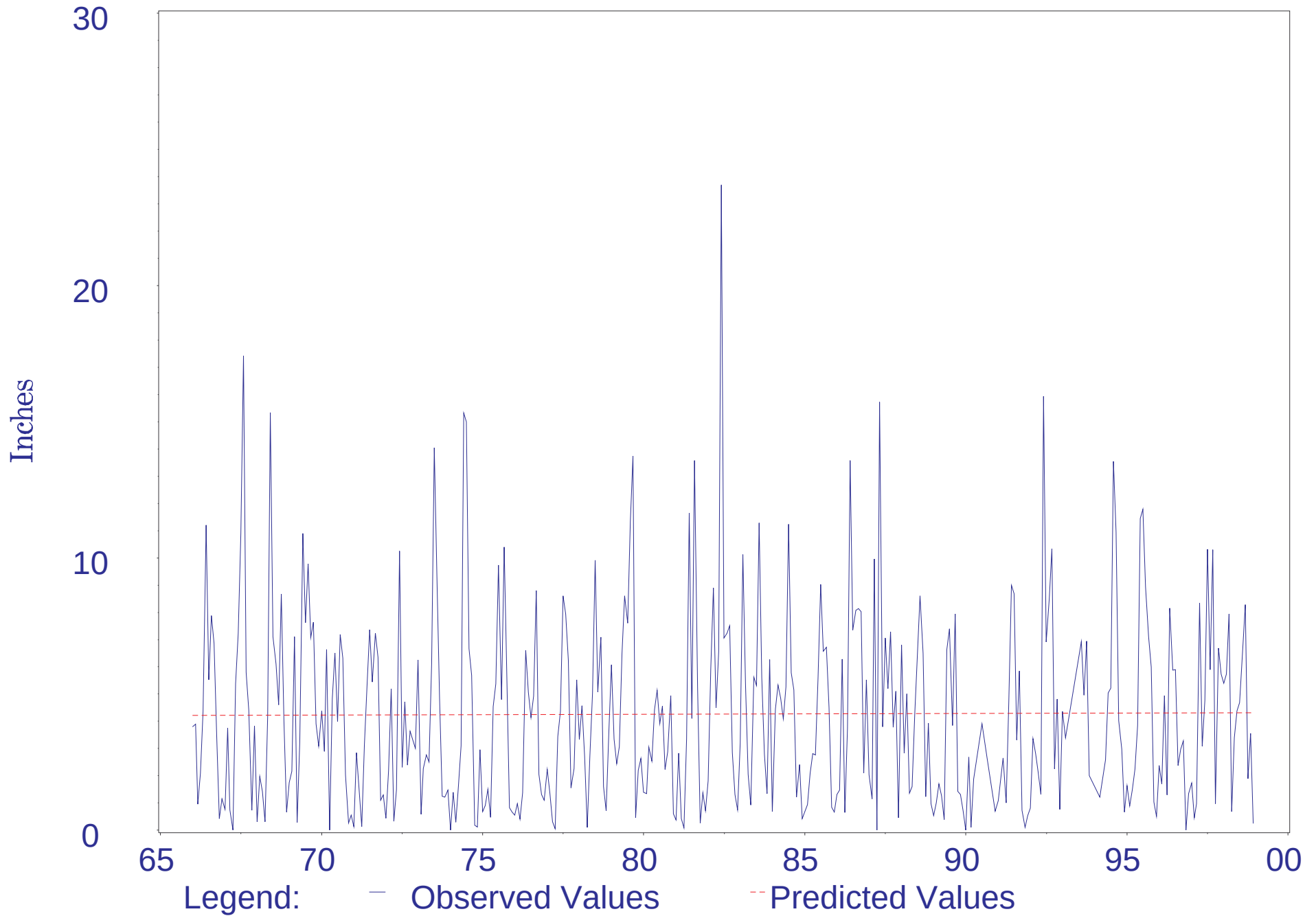
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Top of the Page to Scroll through the Figures**



Back to Start

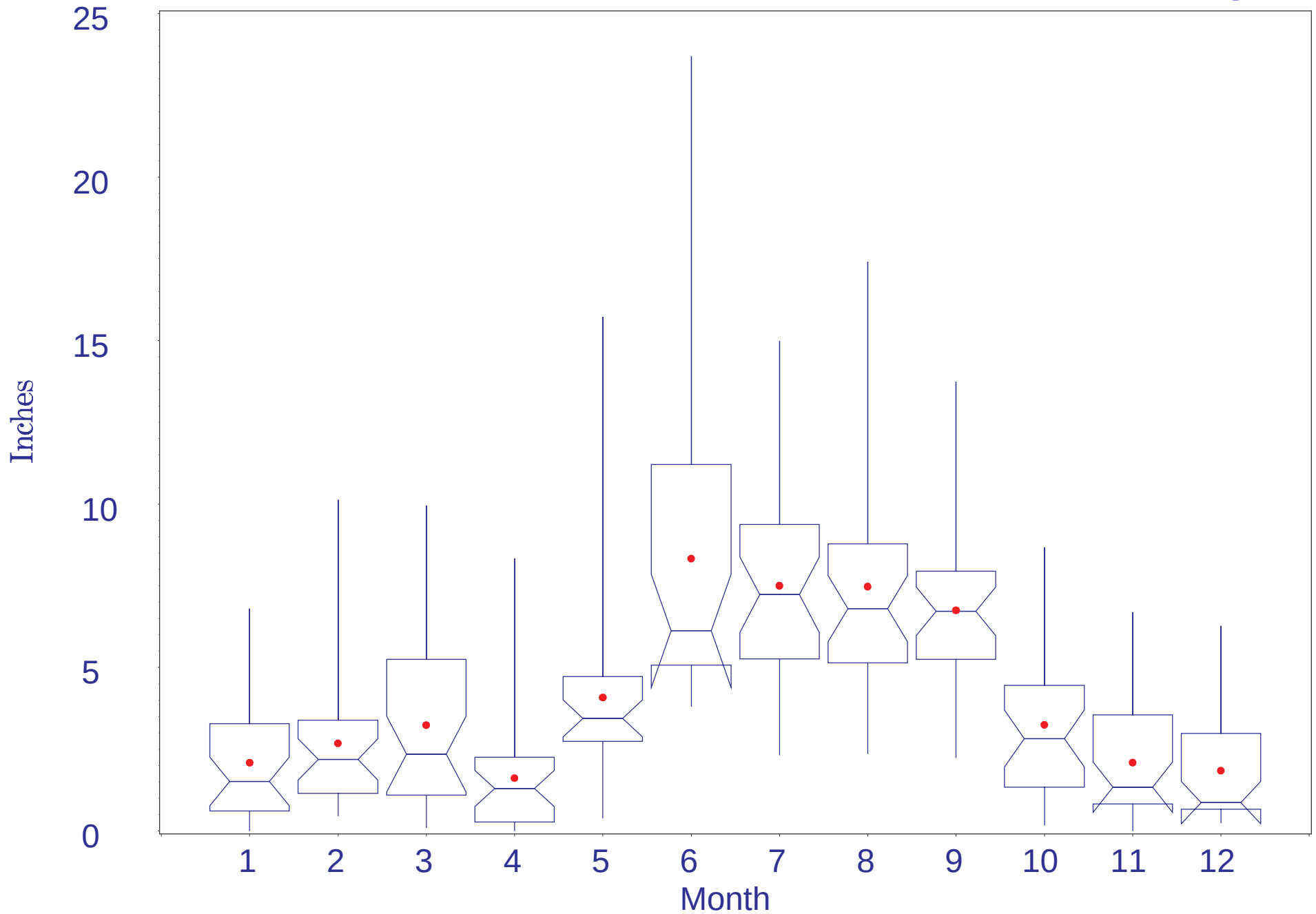
Monthly Rainfall at the Arcadia Gauge 1966-1998

C-1



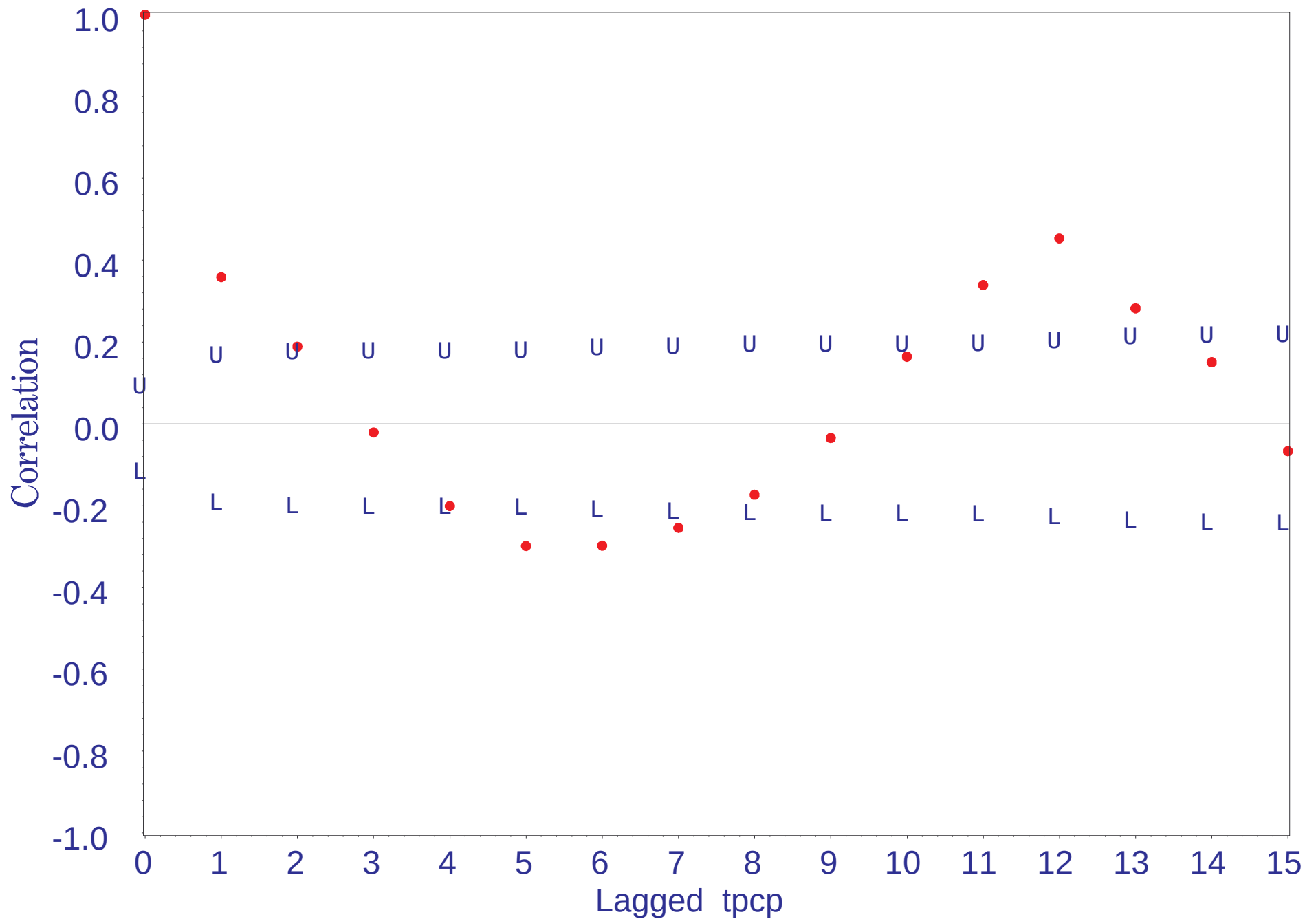
Monthly Rainfall at Arcadia Gauge 1966-1998
Monthly Boxplots of Total Inches

C-2



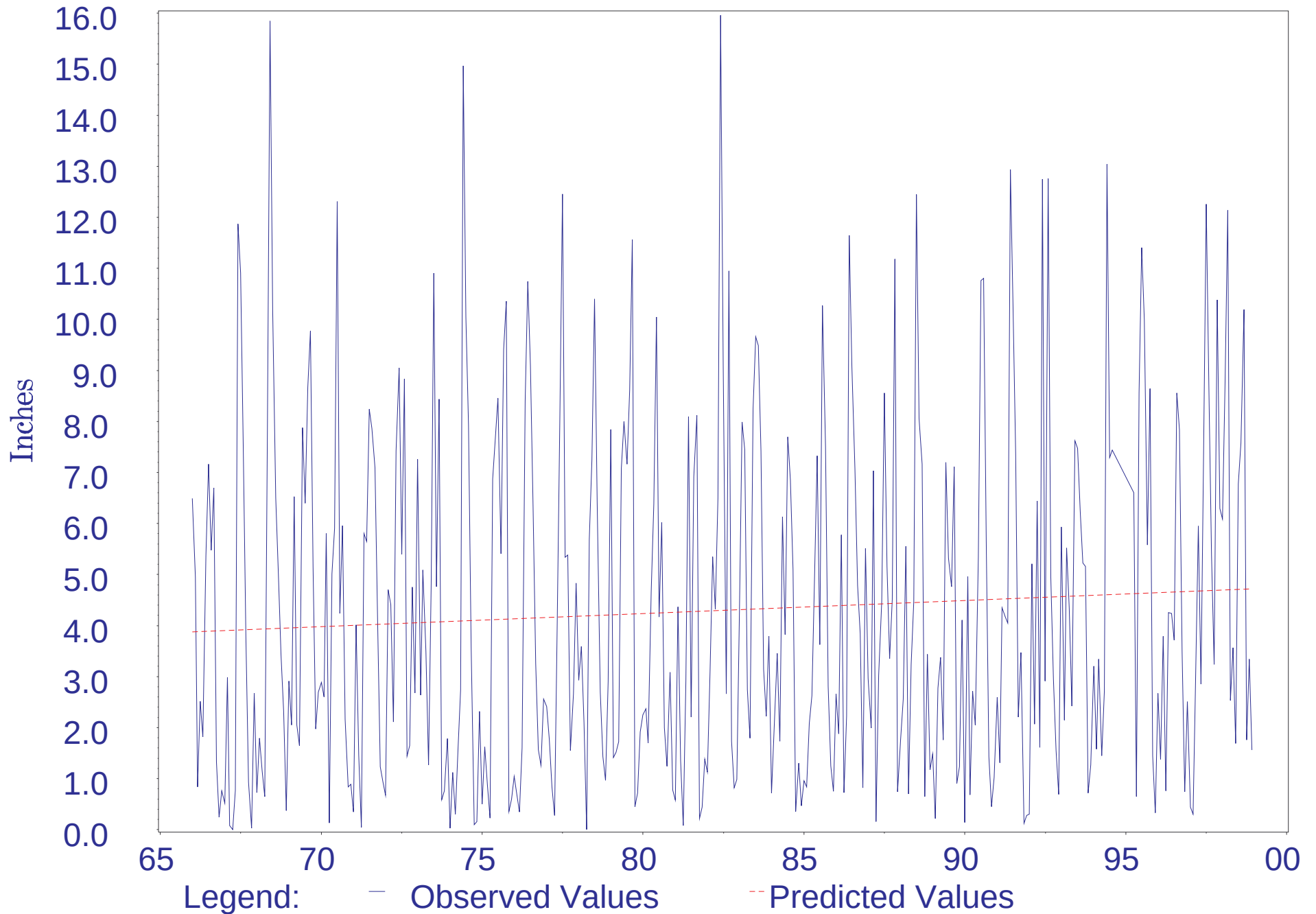
Monthly Rainfall at the Arcadia Gauge 1966-1998
Correlogram with Upper and Lower 95% Confidence Limits

C-3



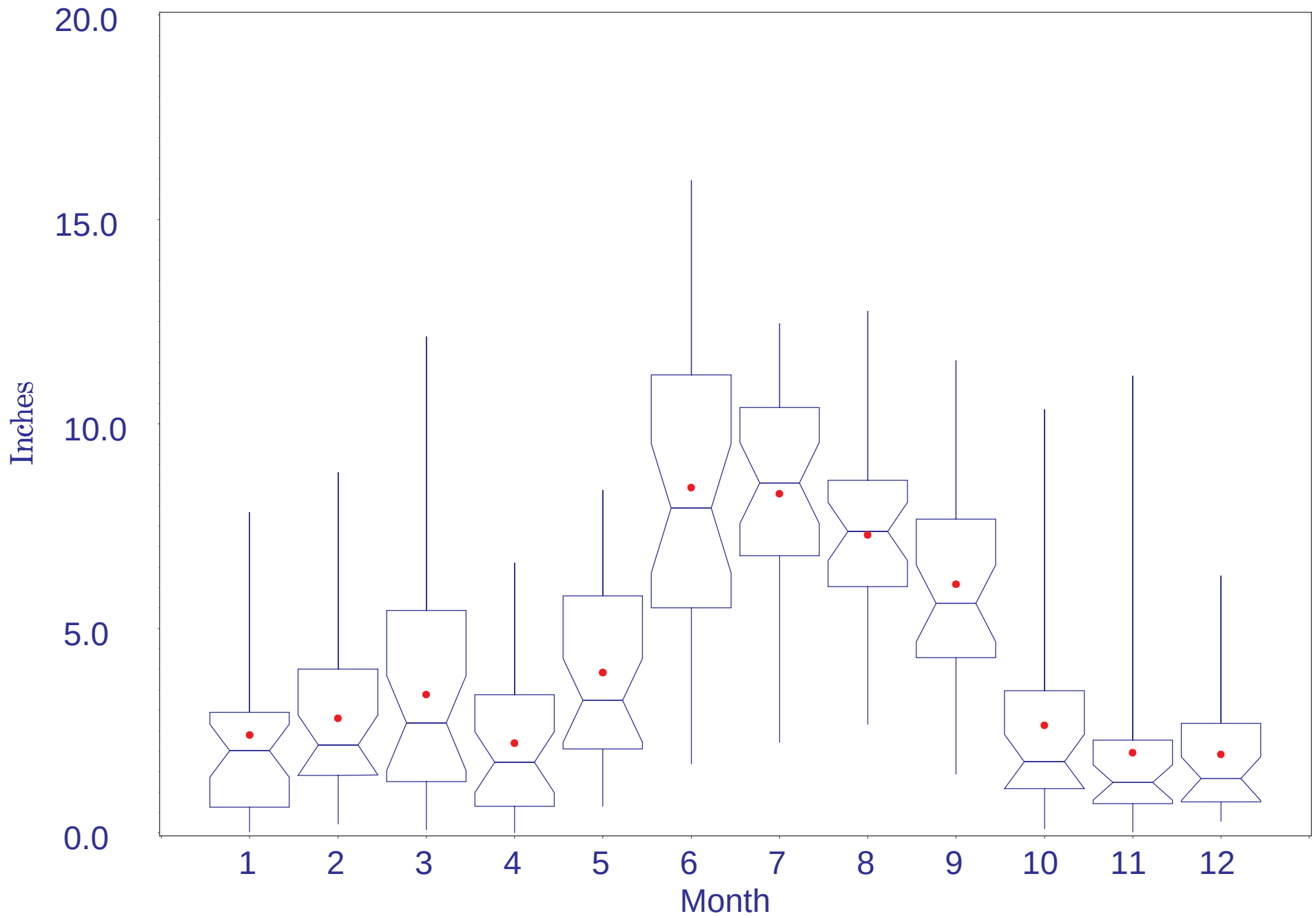
Monthly Rainfall at the Wauchula Gauge 1966-1998

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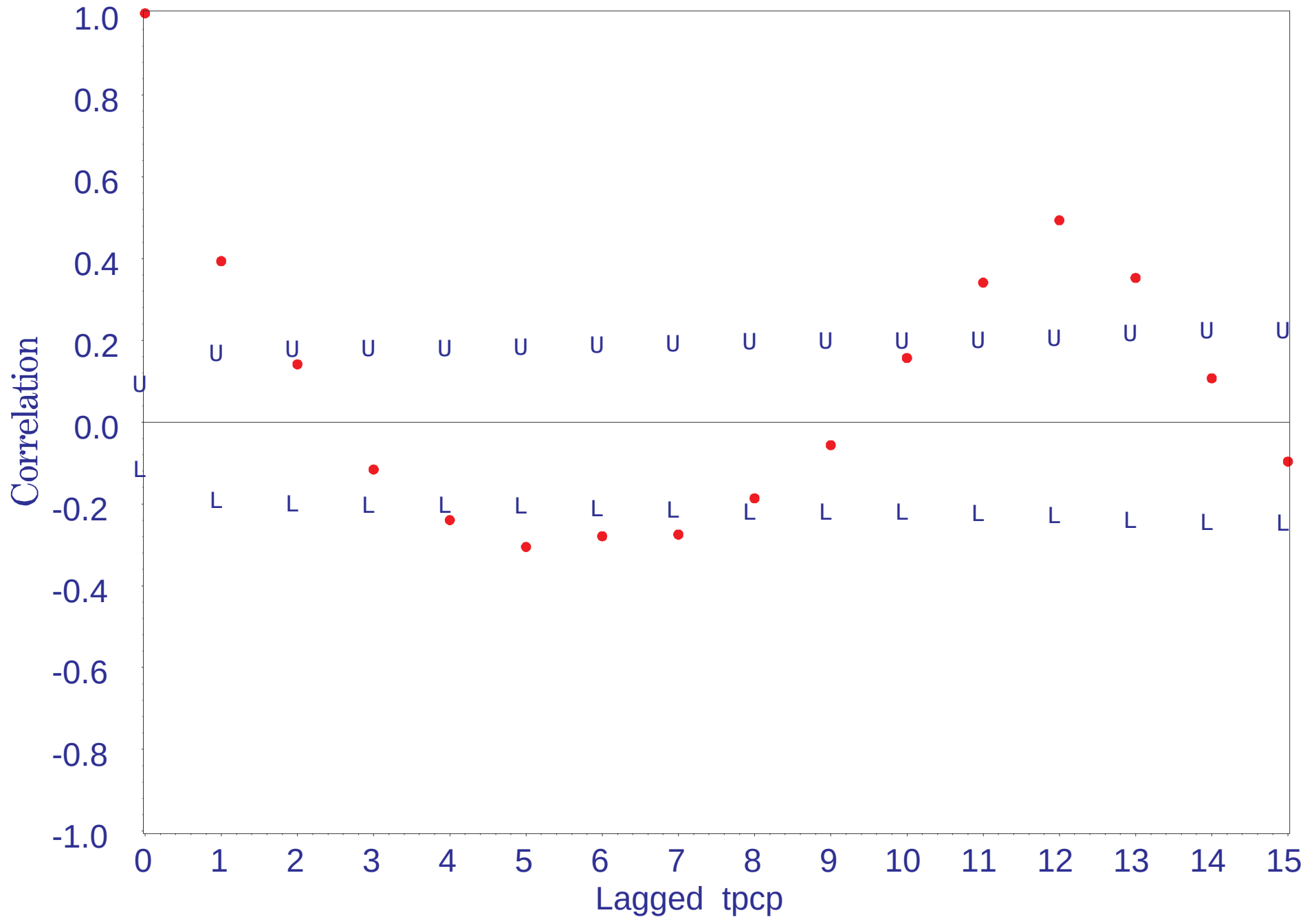
Monthly Rainfall at Wauchula Gauge 1966-1998
Monthly Boxplots of Total Inches

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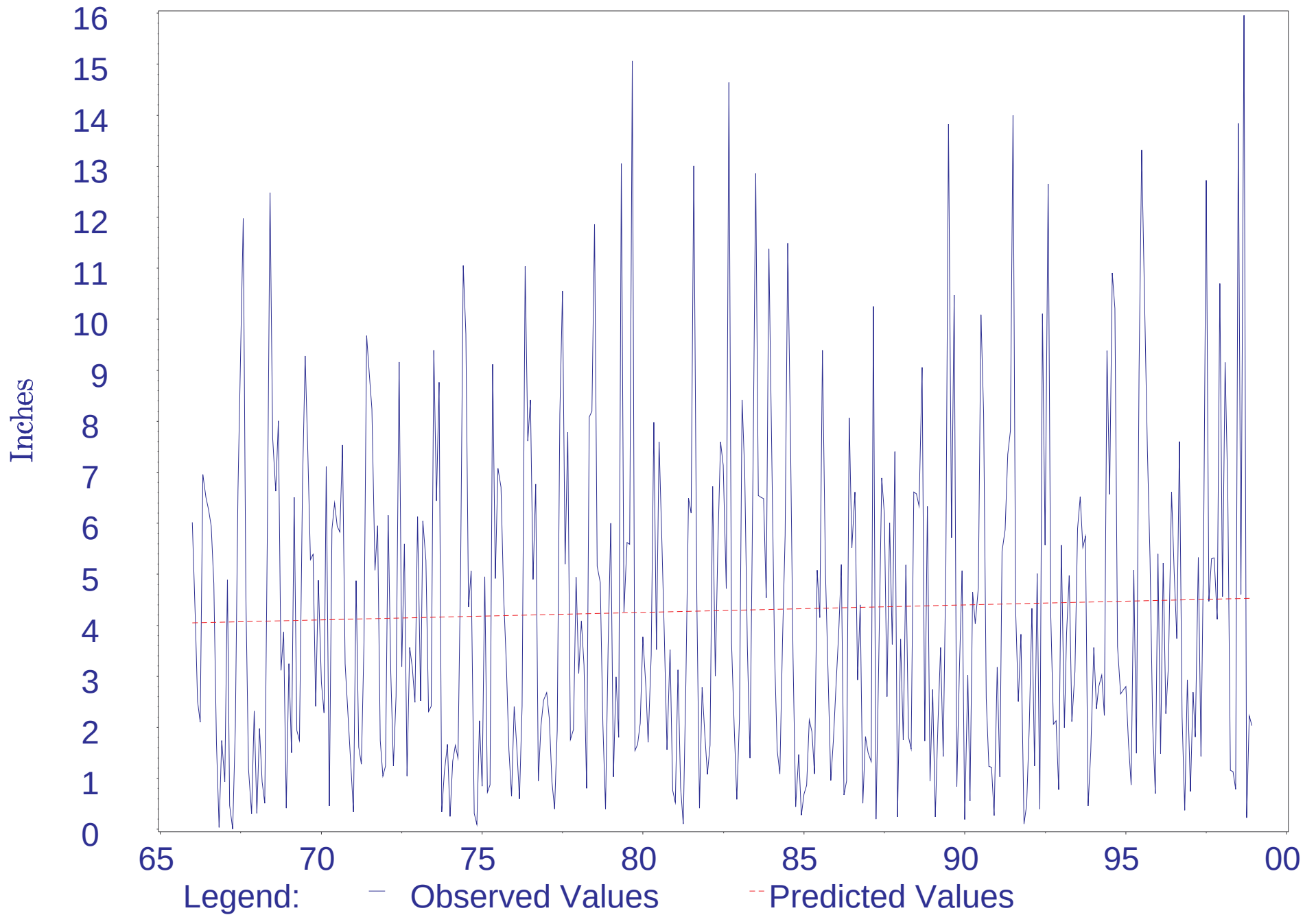
Monthly Rainfall at the Wauchula Gauge 1966-1998
Correlogram with Upper and Lower 95% Confidence Limits

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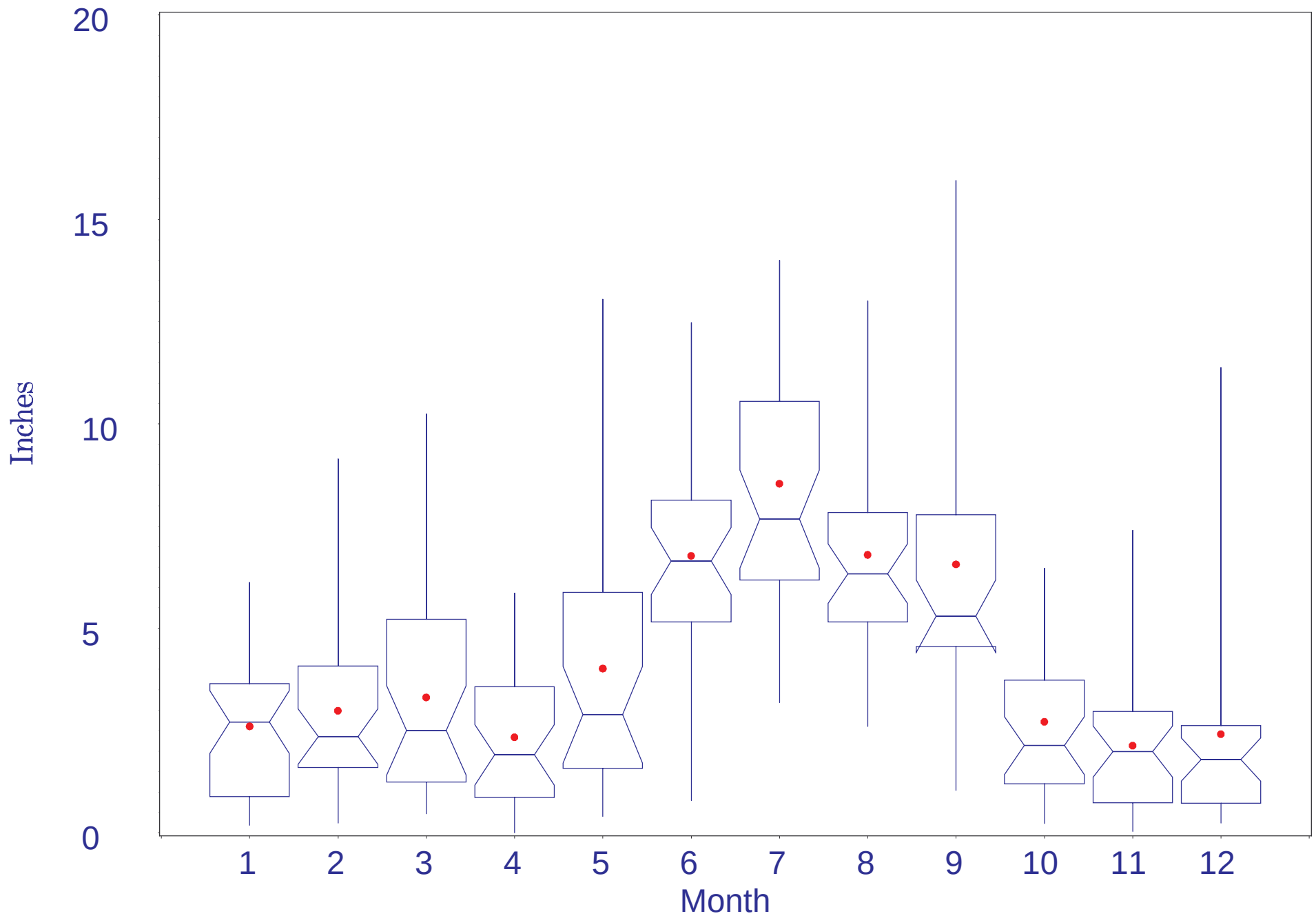
Monthly Rainfall at the Bartow Gauge 1966-1998

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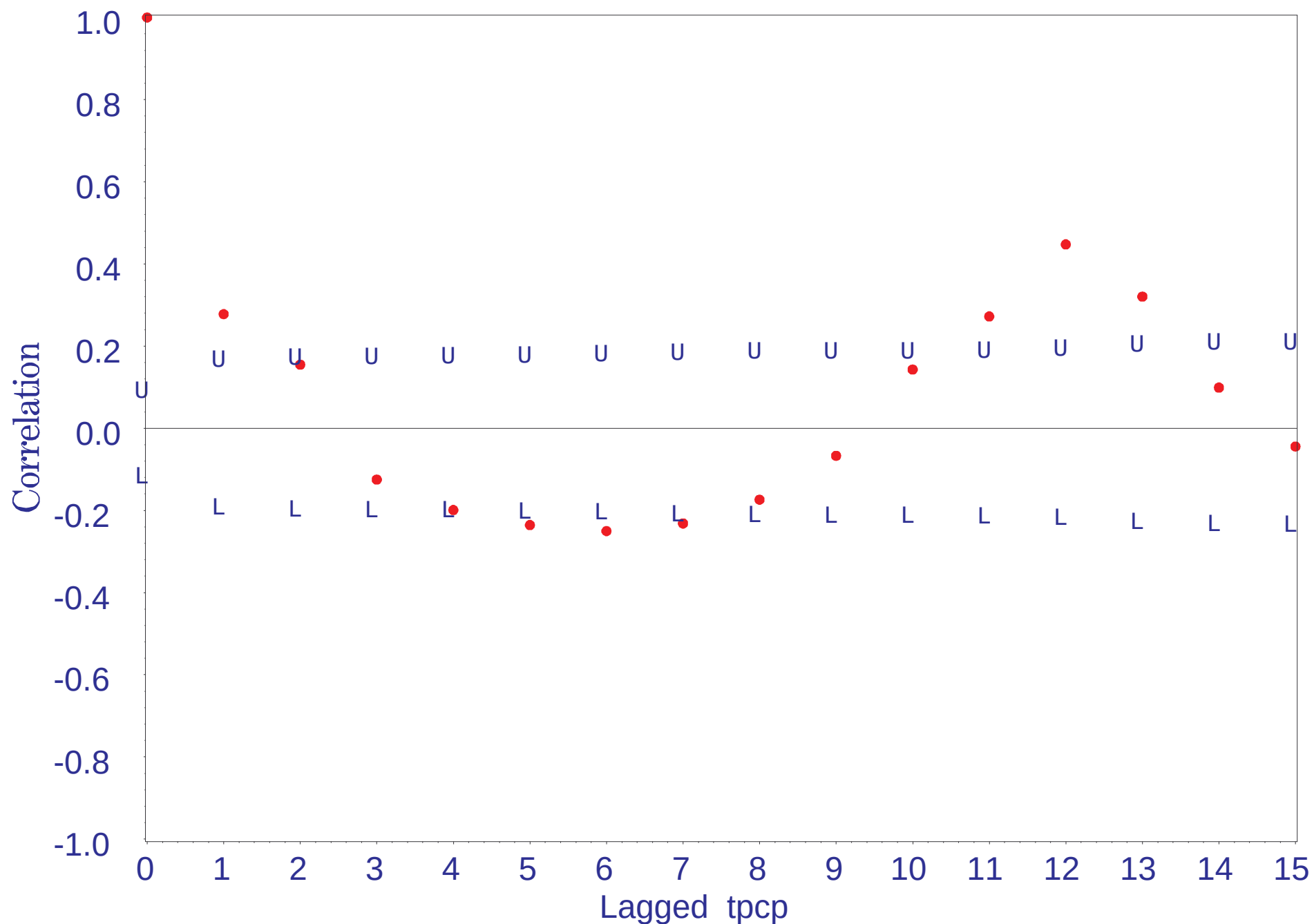
Monthly Rainfall at Bartow Gauge 1966-1998
Monthly Boxplots of Total Inches

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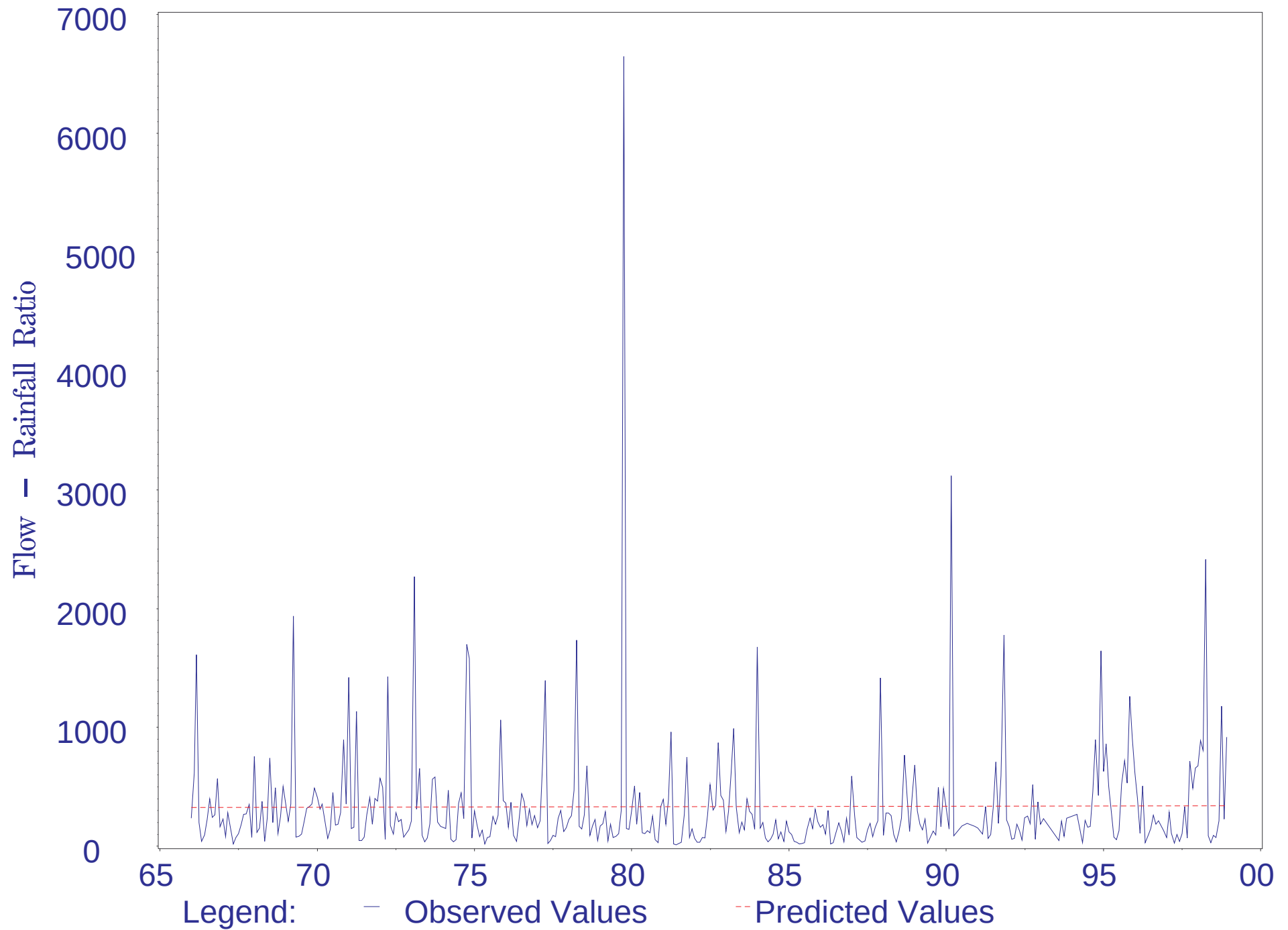
Monthly Rainfall at the Bartow Gauge 1966-1998
Correlogram with Upper and Lower 95% Confidence Limits

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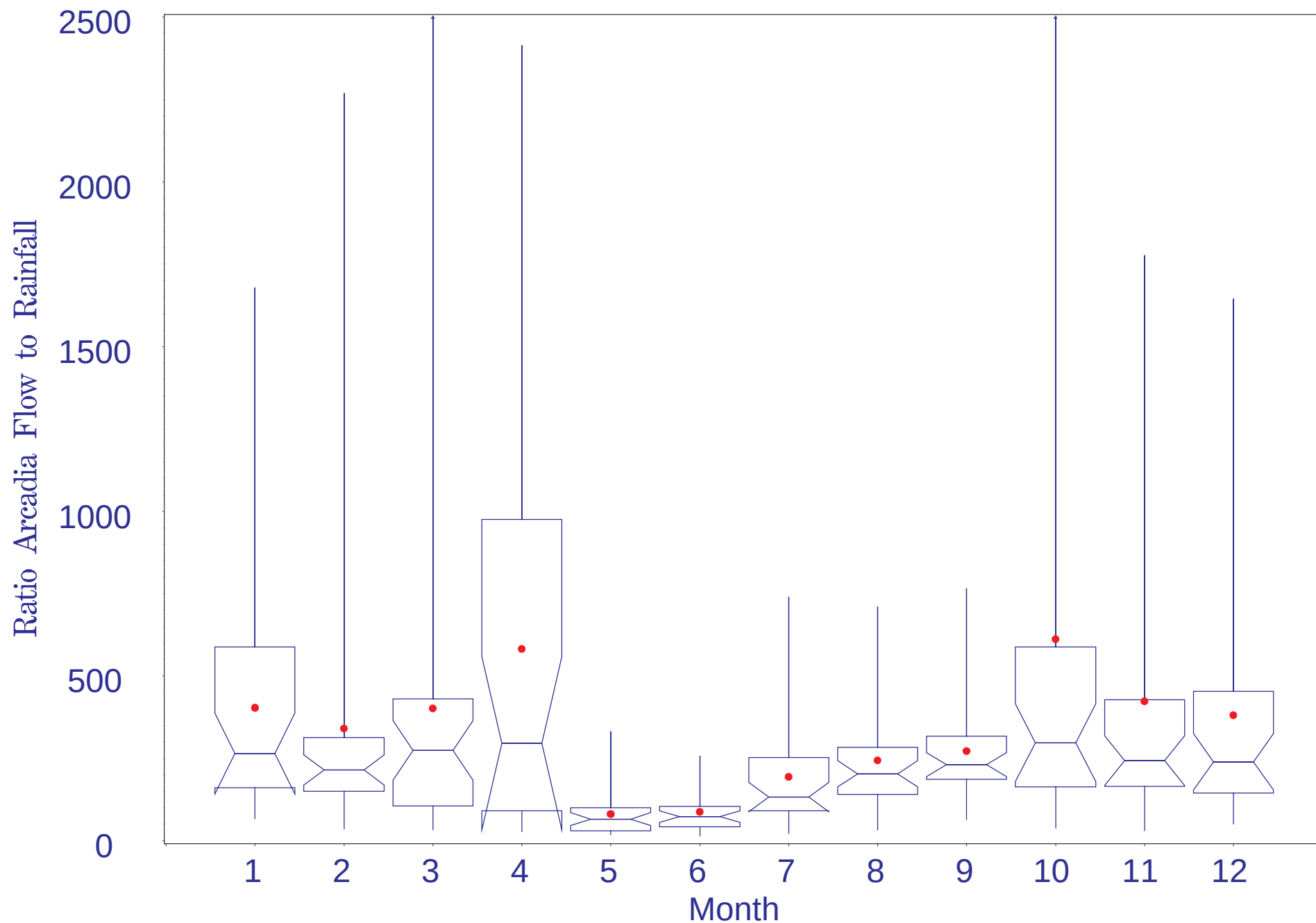
Ratio Arcadia Flow to Arcadia Rainfall (1966-1998)

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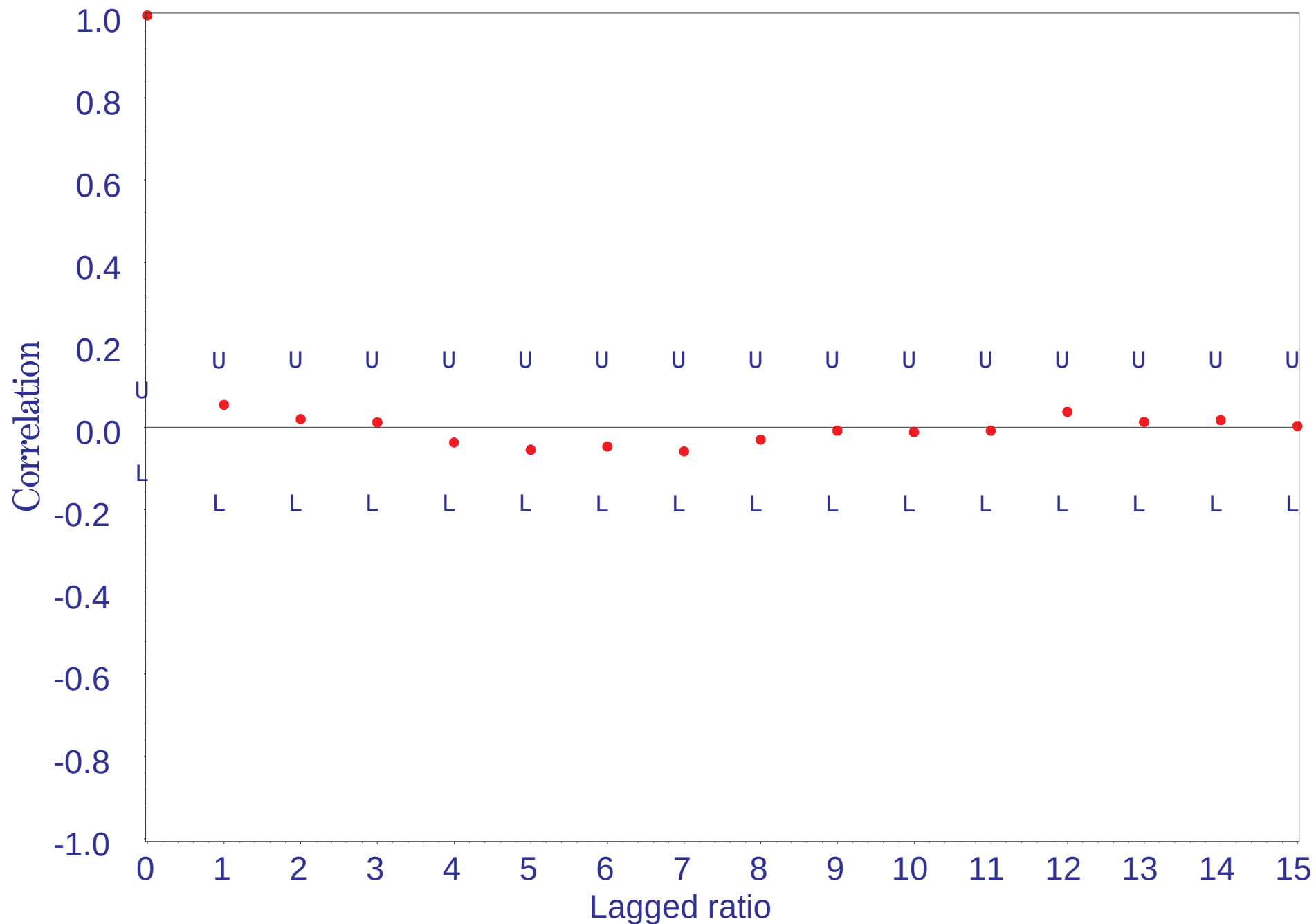
Ratio Arcadia Flow to Arcadia Rainfall 1966-1998 Monthly Boxplots

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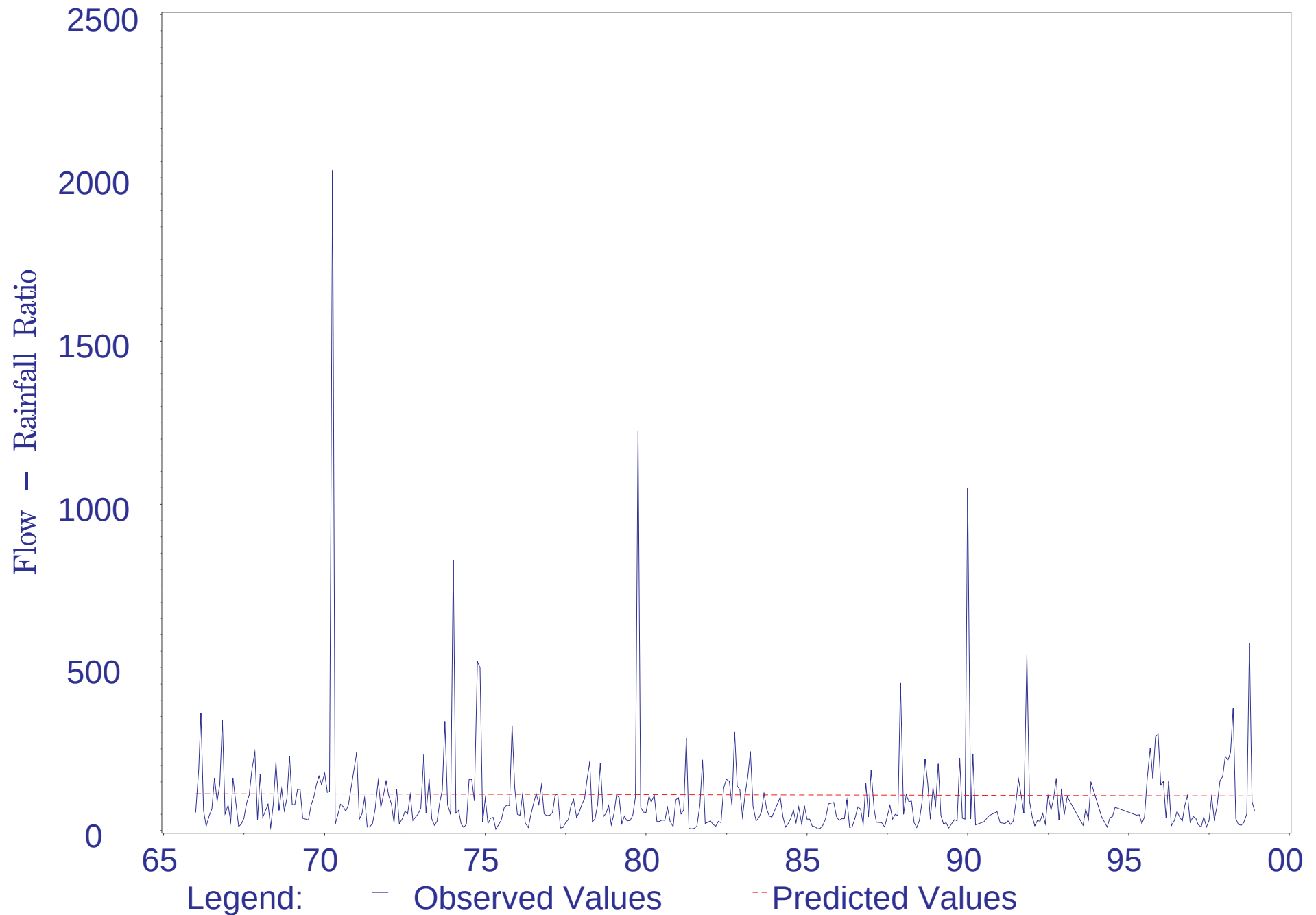
Ratio Arcadia Flow to Arcadia Rainfall (1966-1998)
Correlogram with Upper and Lower 95% Confidence Limits

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Ratio Peace River at Arcadia to Rainfall (1966-1998)
Rainfall (Sum of Arcadia + Bartow + Wachula)

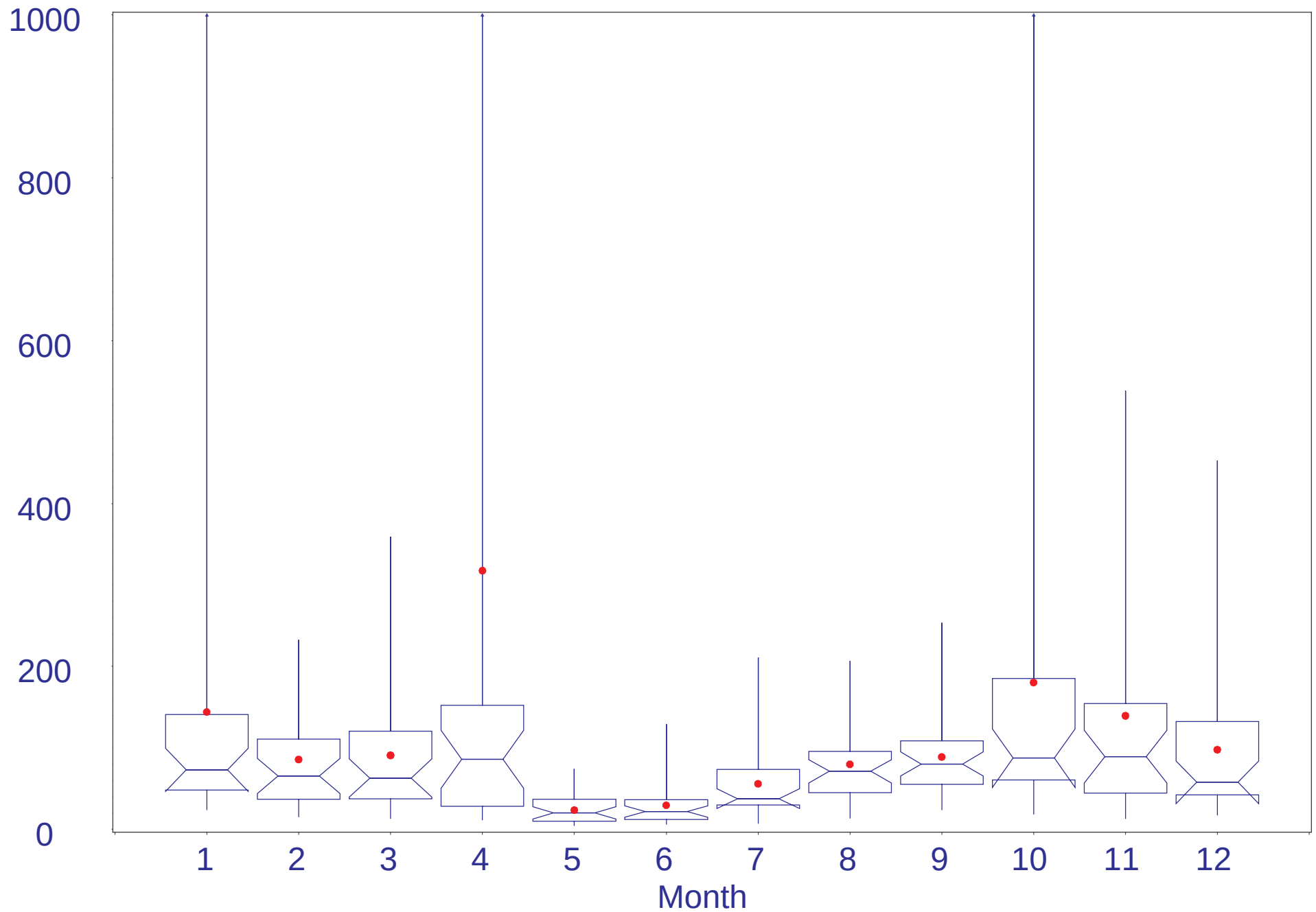
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Ratio Peace River at Arcadia to Rainfall (Arcadia + Wauchula + Bartow) 1966-1998

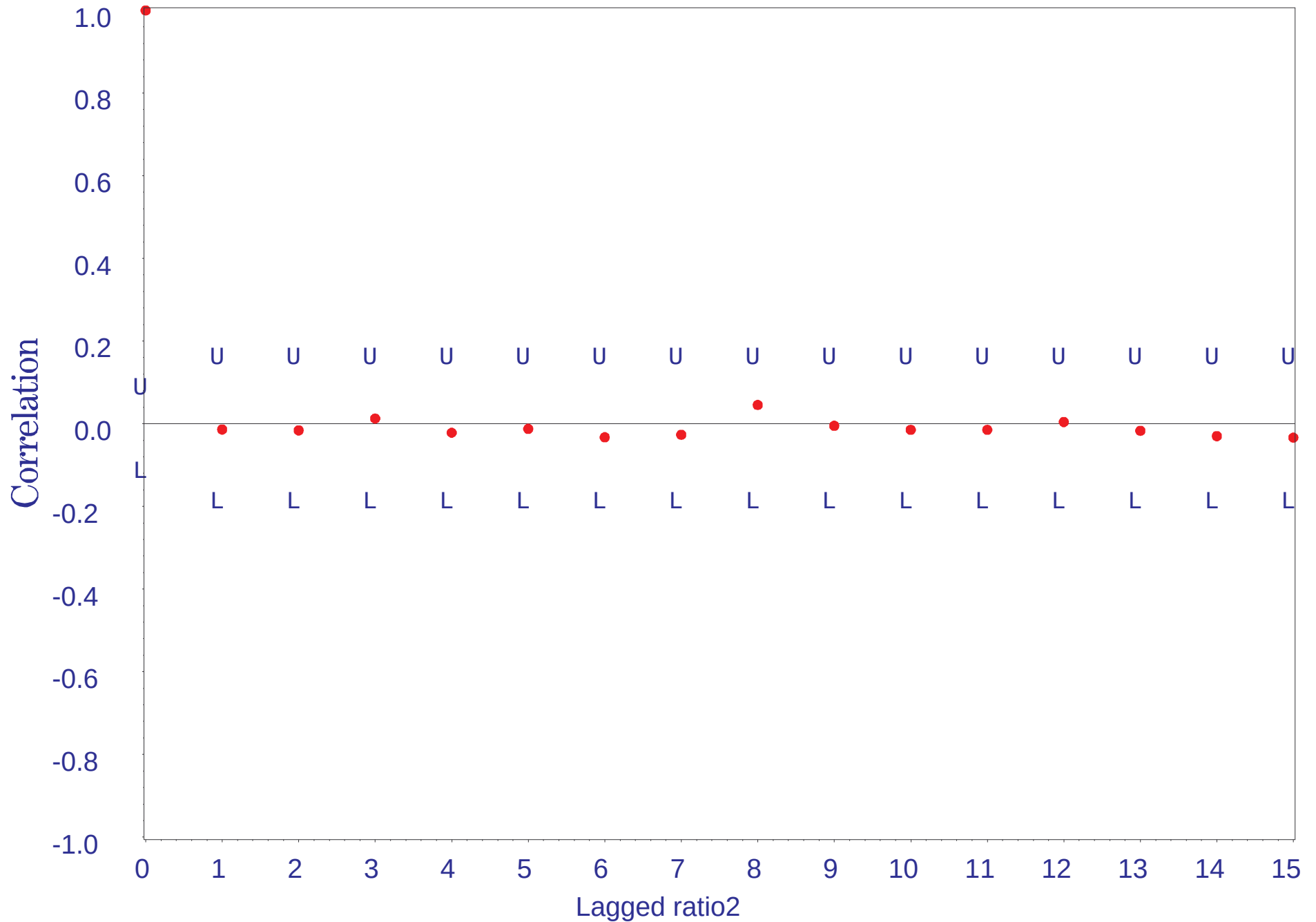
Monthly Boxplots

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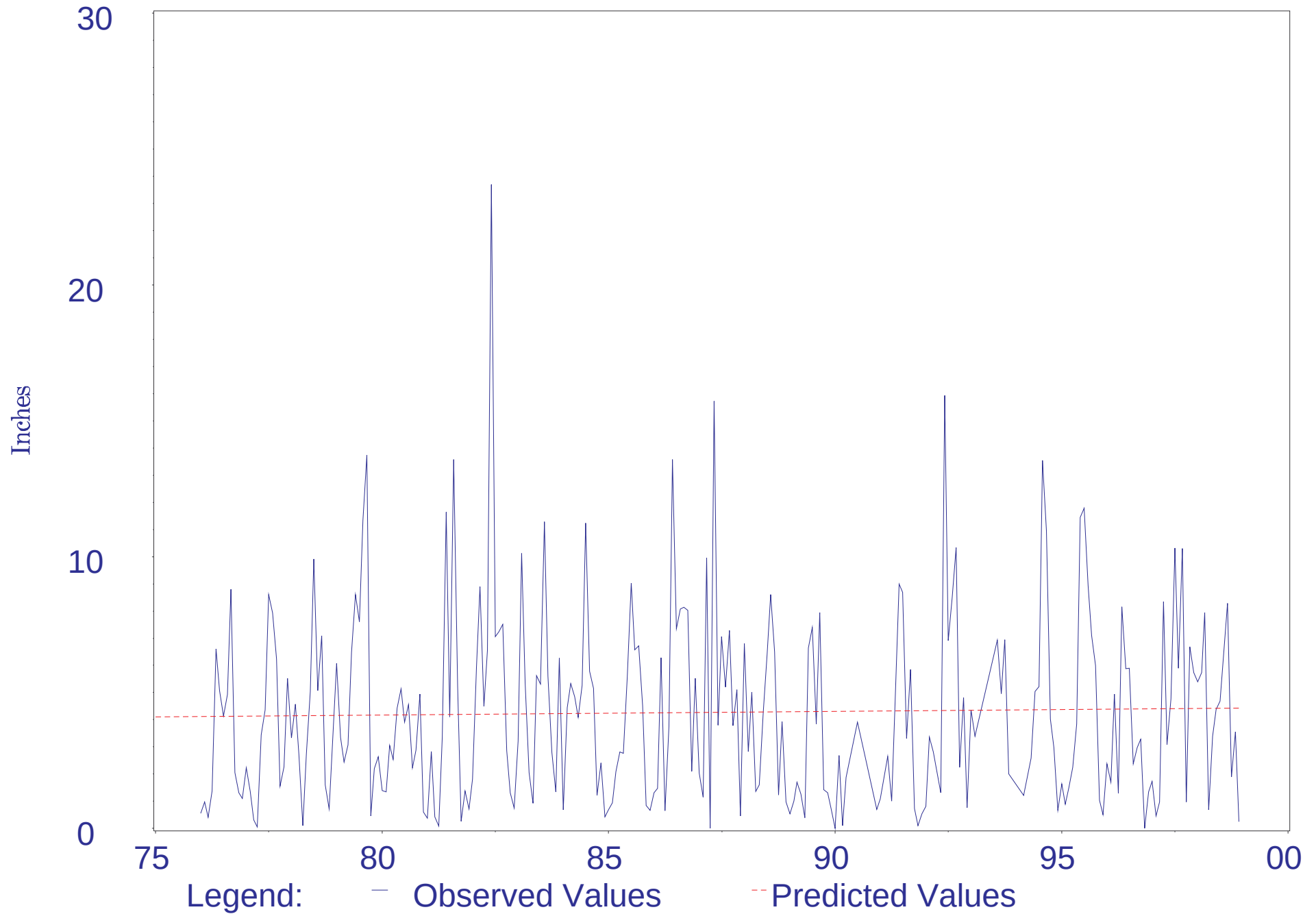
Ratio Arcadia Flow to Rainfall (Sum Arcadia + Wachula + Bartow) 1966-1998
Correlogram with Upper and Lower 95% Confidence Limits

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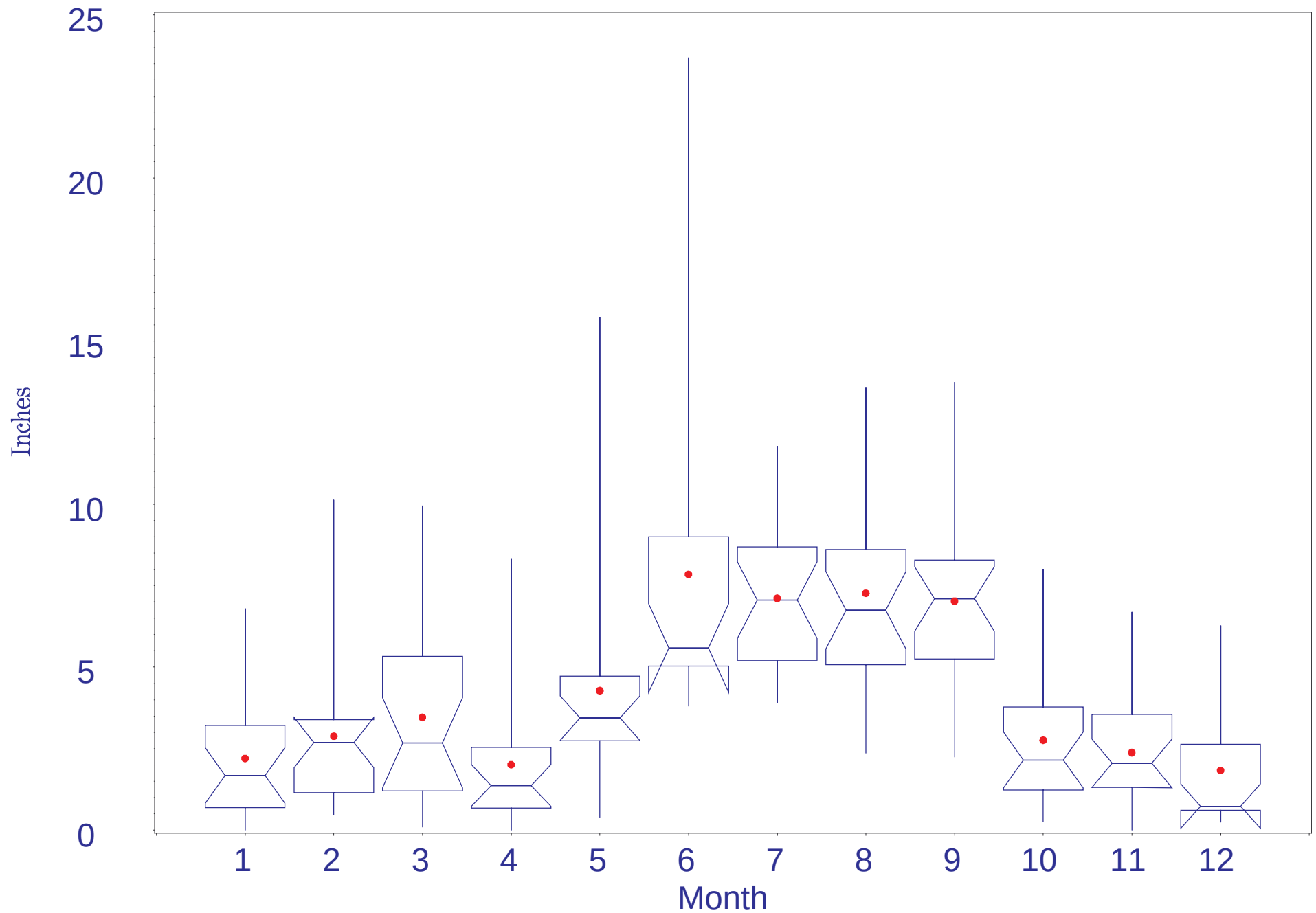
Monthly Rainfall at the Arcadia Gauge 1976-1998

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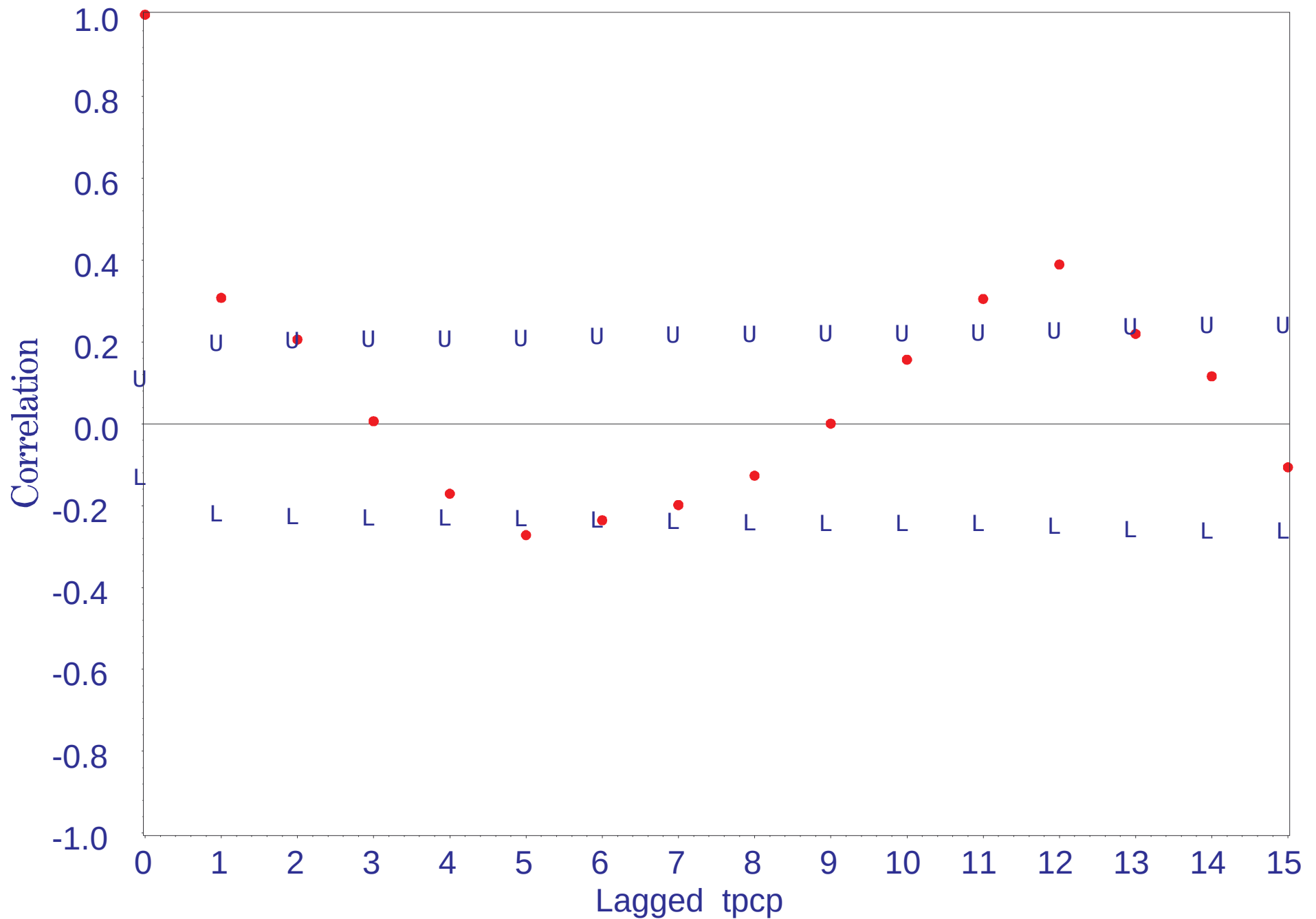
Monthly Rainfall at Arcadia Gauge 1976-1998
Monthly Boxplots of Total Inches

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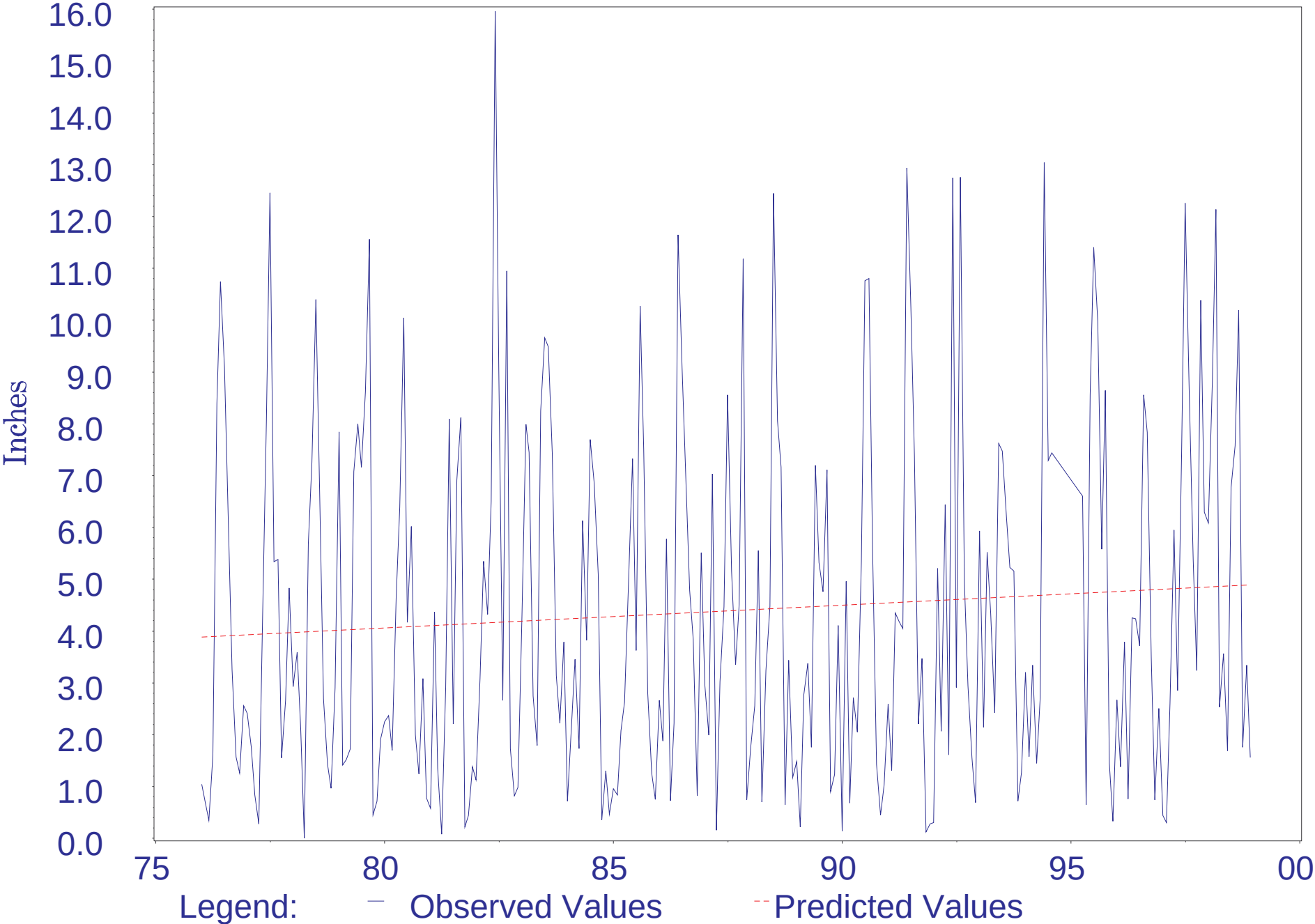
Monthly Rainfall at the Arcadia Gauge 1976-1998
Correlogram with Upper and Lower 95% Confidence Limits

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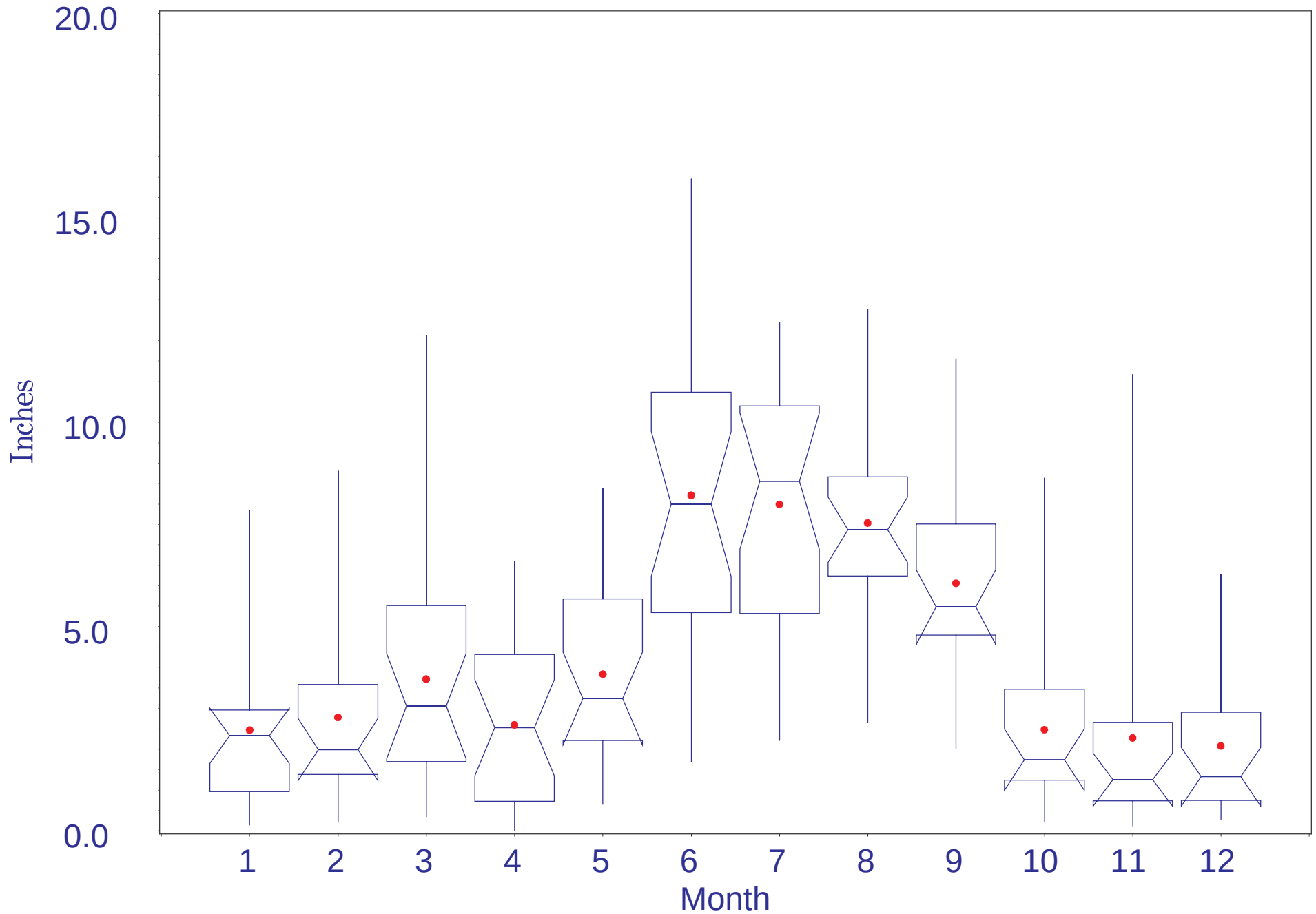
Monthly Rainfall at the Wauchula Gauge
1976-1998

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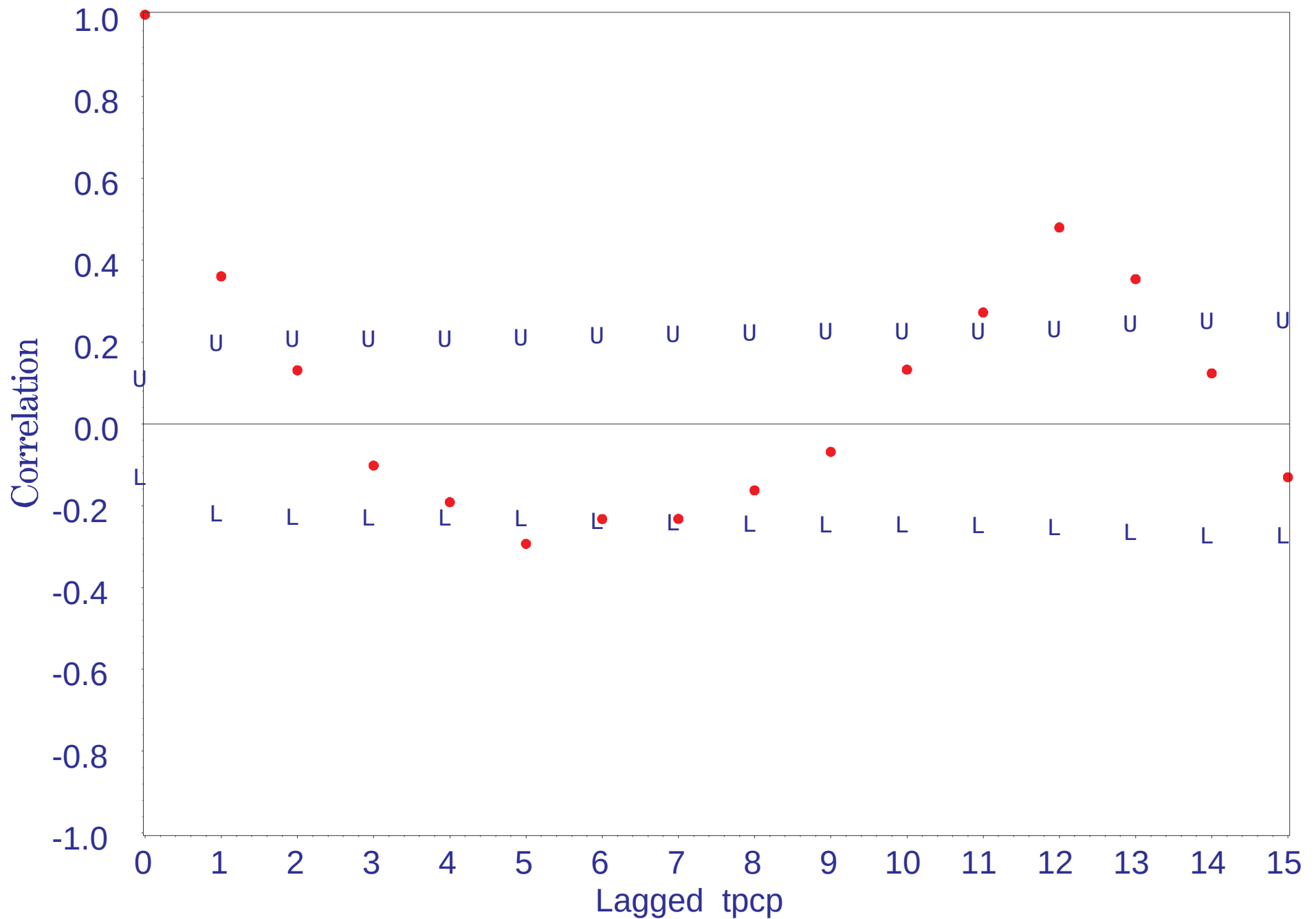
Monthly Rainfall at Wauchula Gauge 1976-1998
Monthly Boxplots of Total Inches

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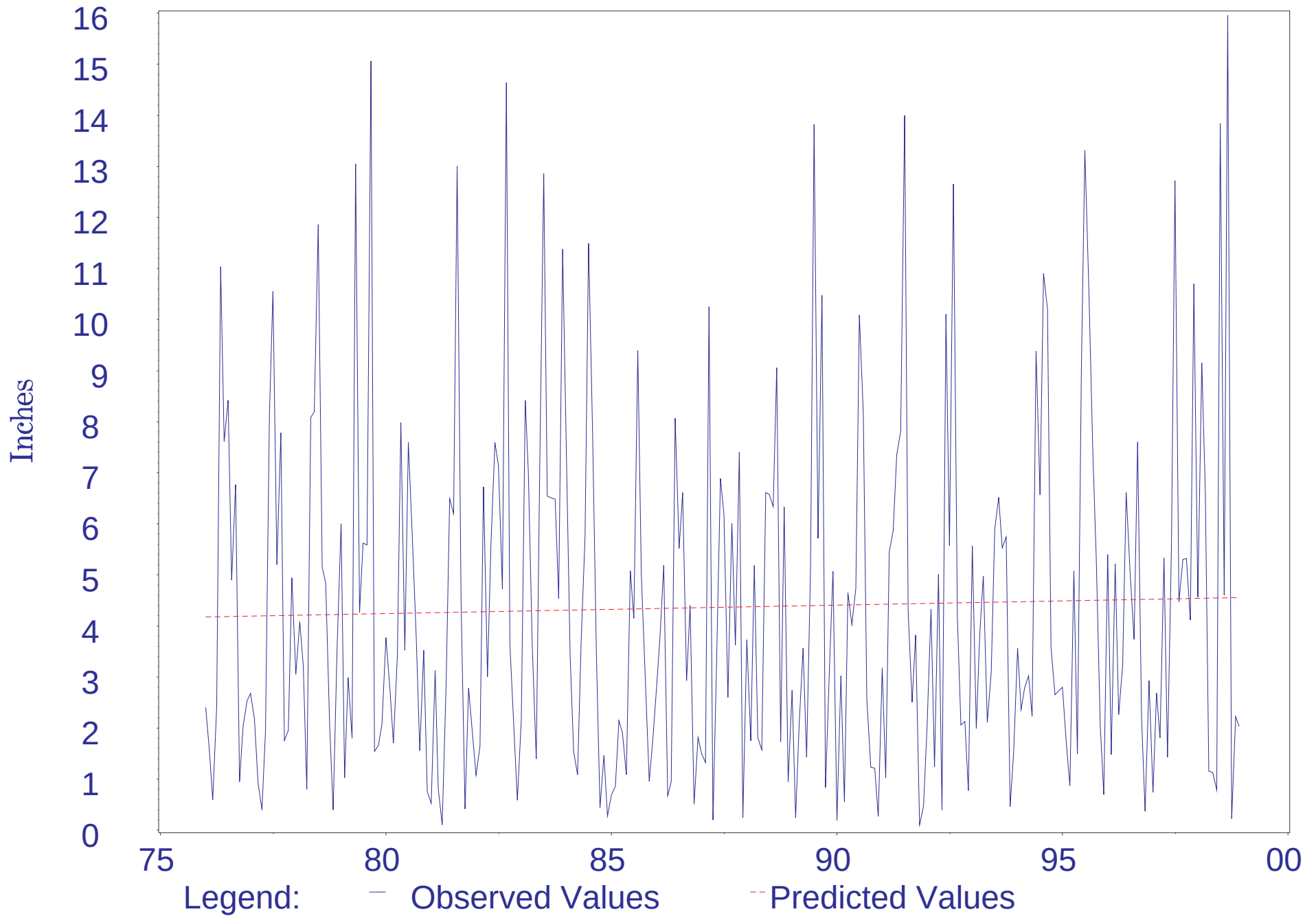
Monthly Rainfall at the Wauchula Gauge 1976-1998
Correlogram with Upper and Lower 95% Confidence Limits

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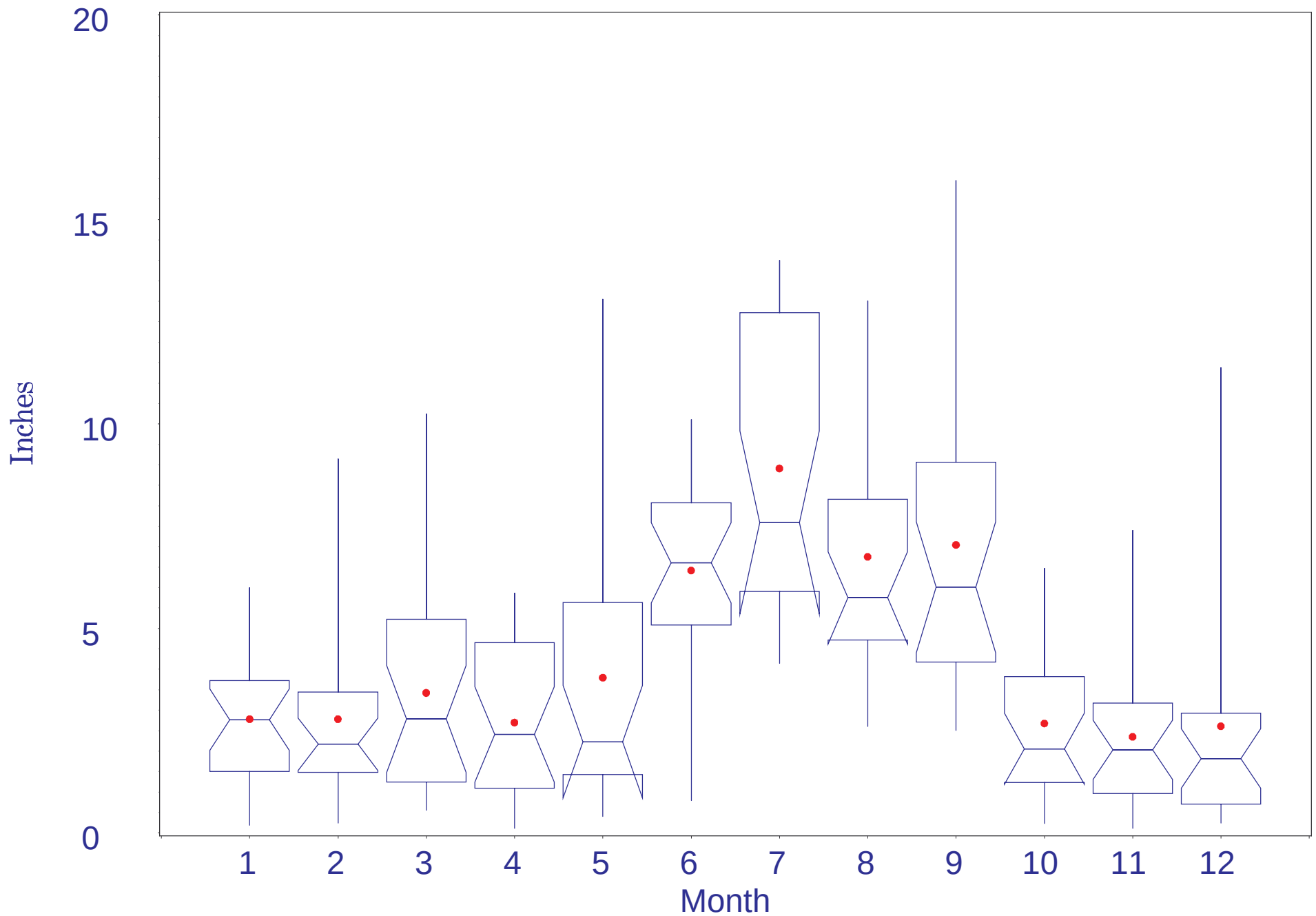
Monthly Rainfall at the Bartow Gauge 1976-1998

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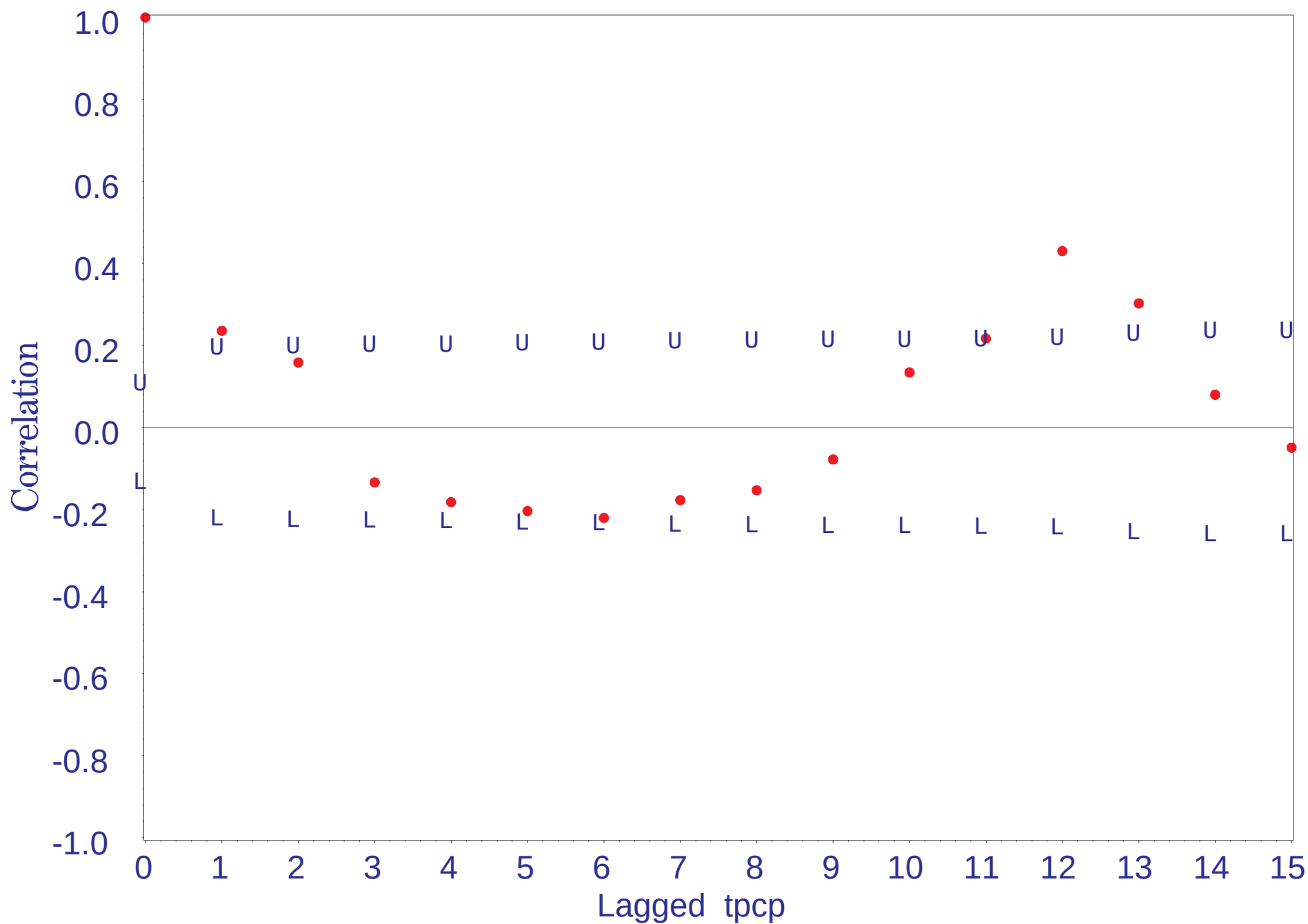
Monthly Rainfall at Bartow Gauge 1976-1998
Monthly Boxplots of Total Inches

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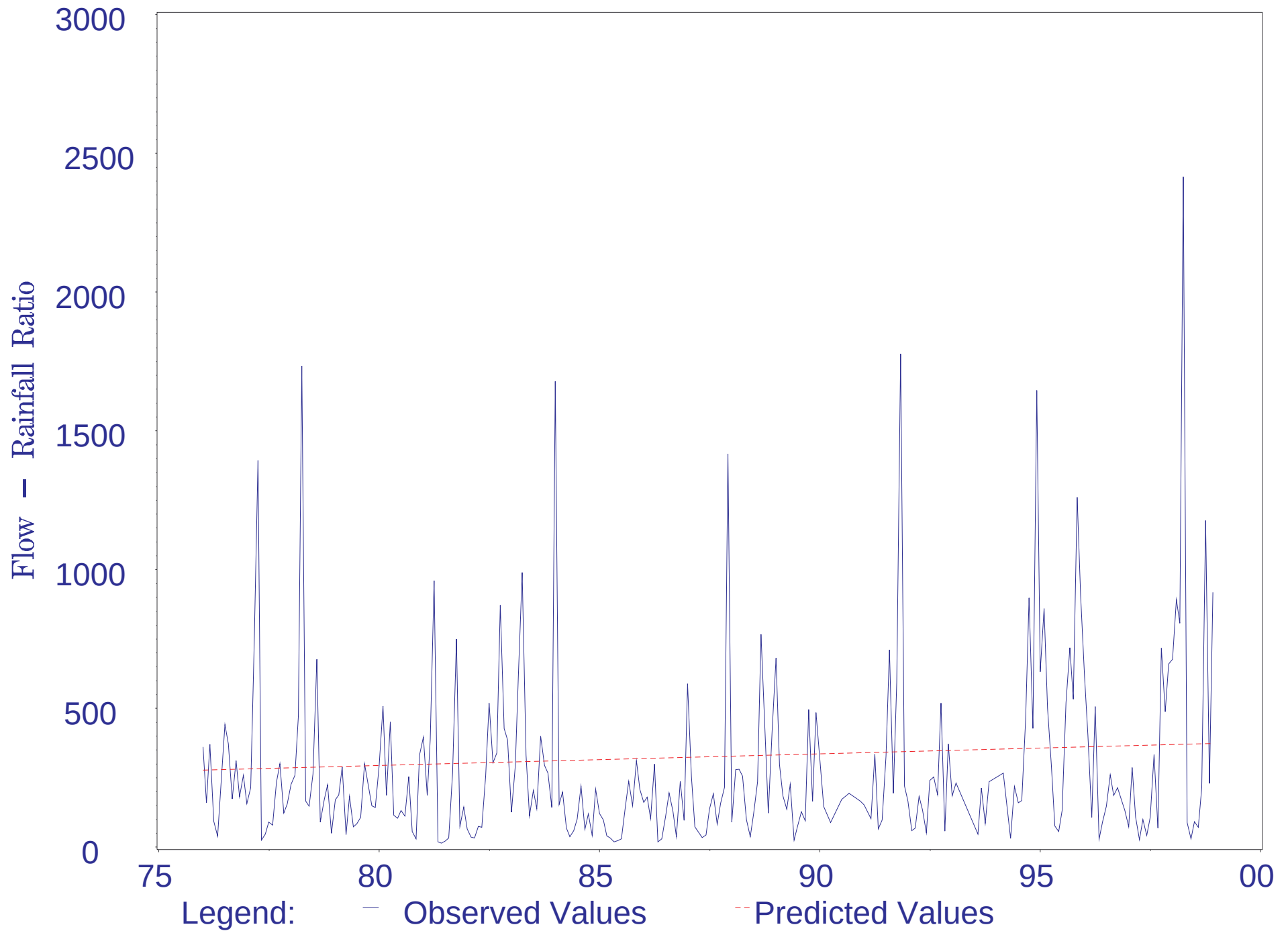
Monthly Rainfall at the Bartow Gauge 1976-1998
Correlogram with Upper and Lower 95% Confidence Limits

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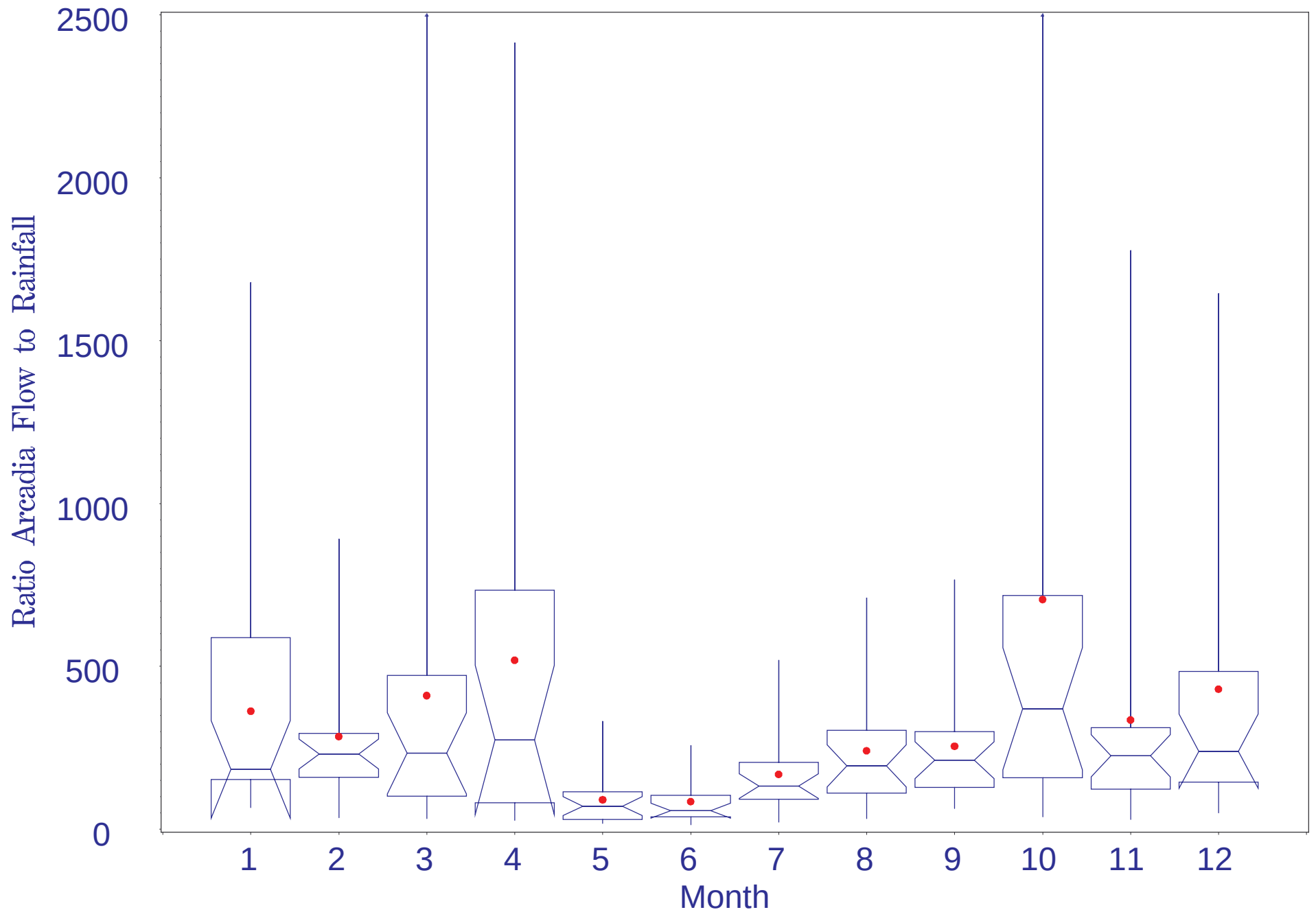
Ratio Flow at Arcadia to Rainfall at Arcadia (1976-1998)

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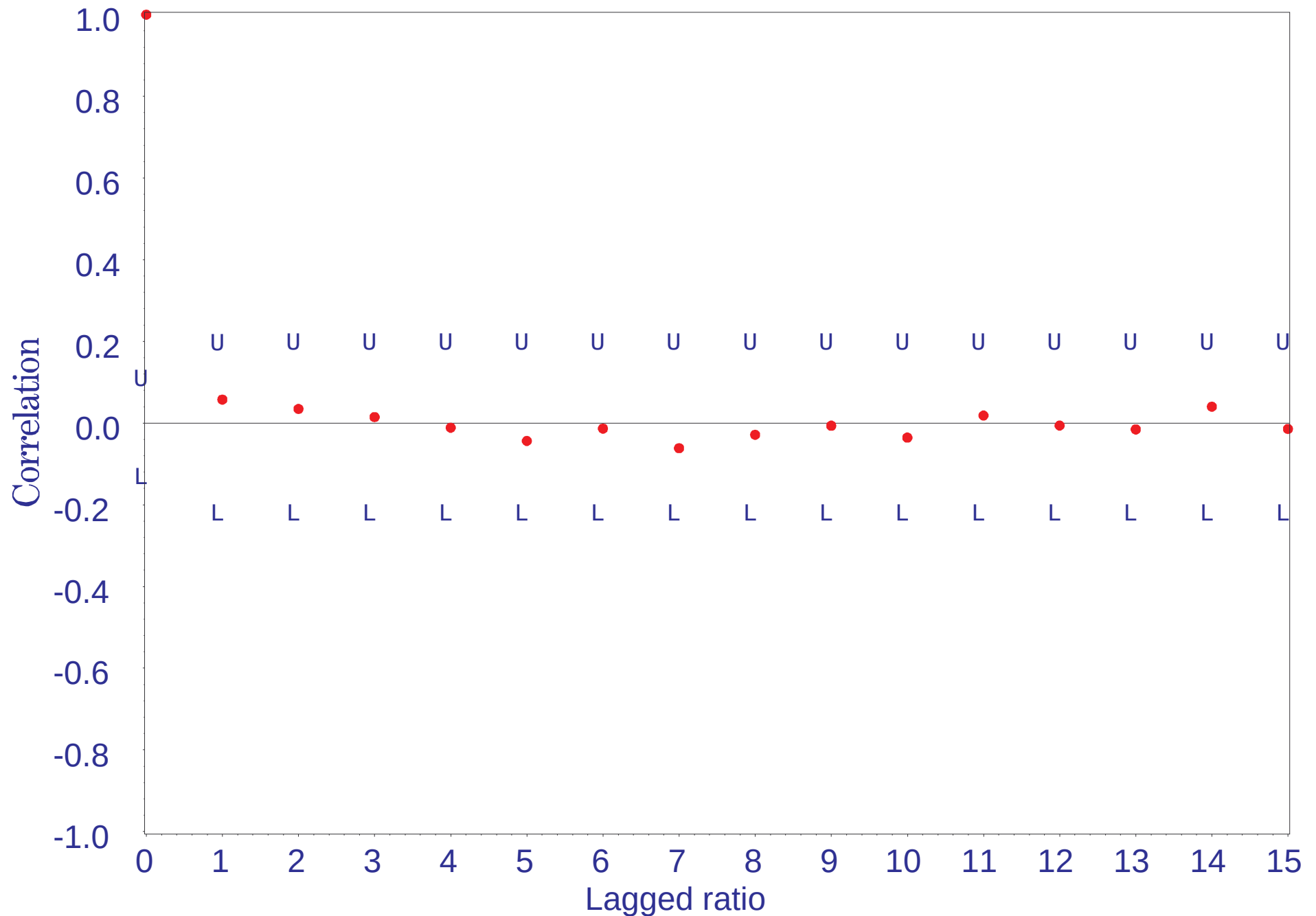
Ratio Arcadia Flow to Arcadia Rainfall 1976-1998 Monthly Boxplots

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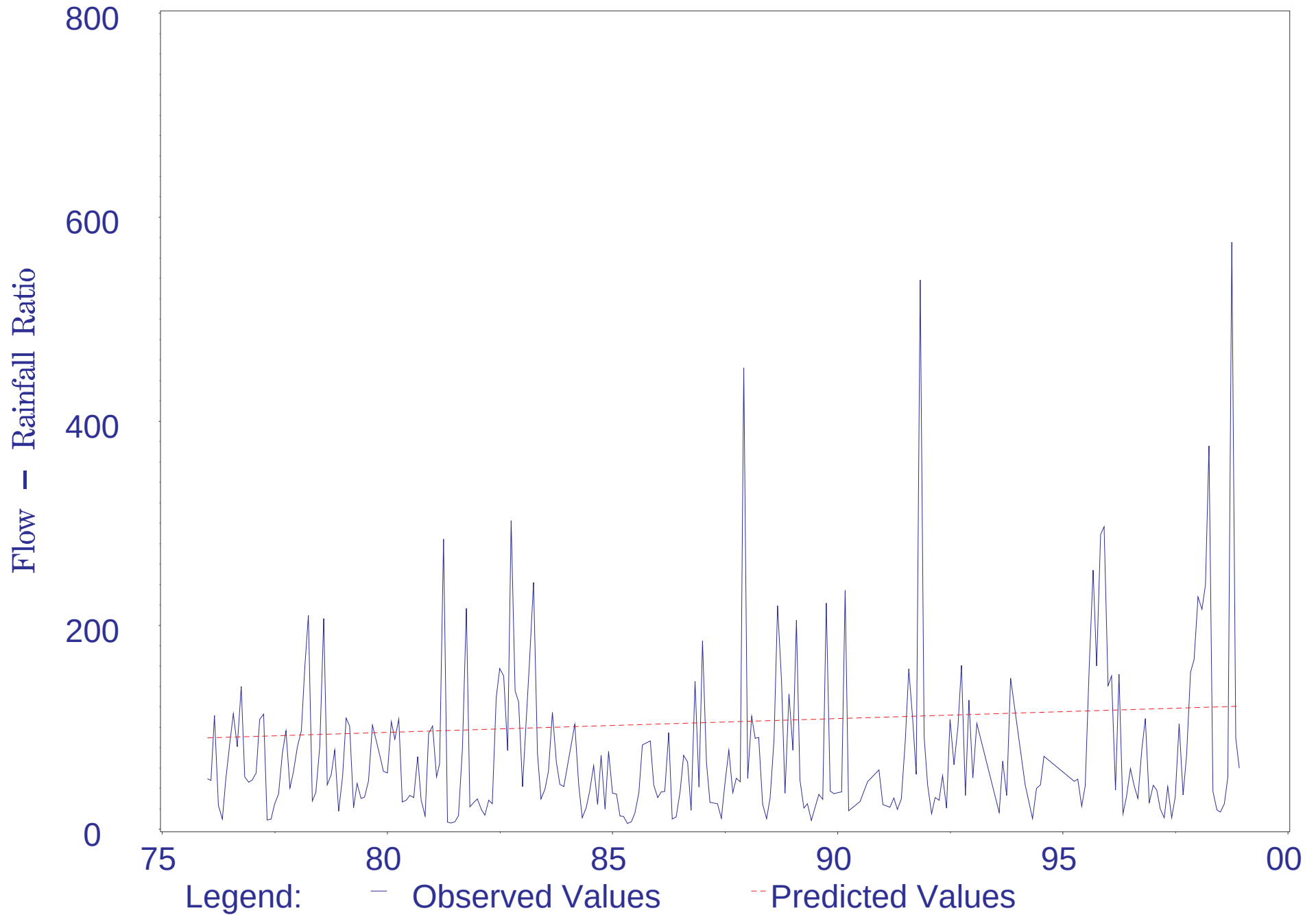
Ratio Arcadia Flow to Arcadia Rainfall (1976-1998)
Correlogram with Upper and Lower 95% Confidence Limits

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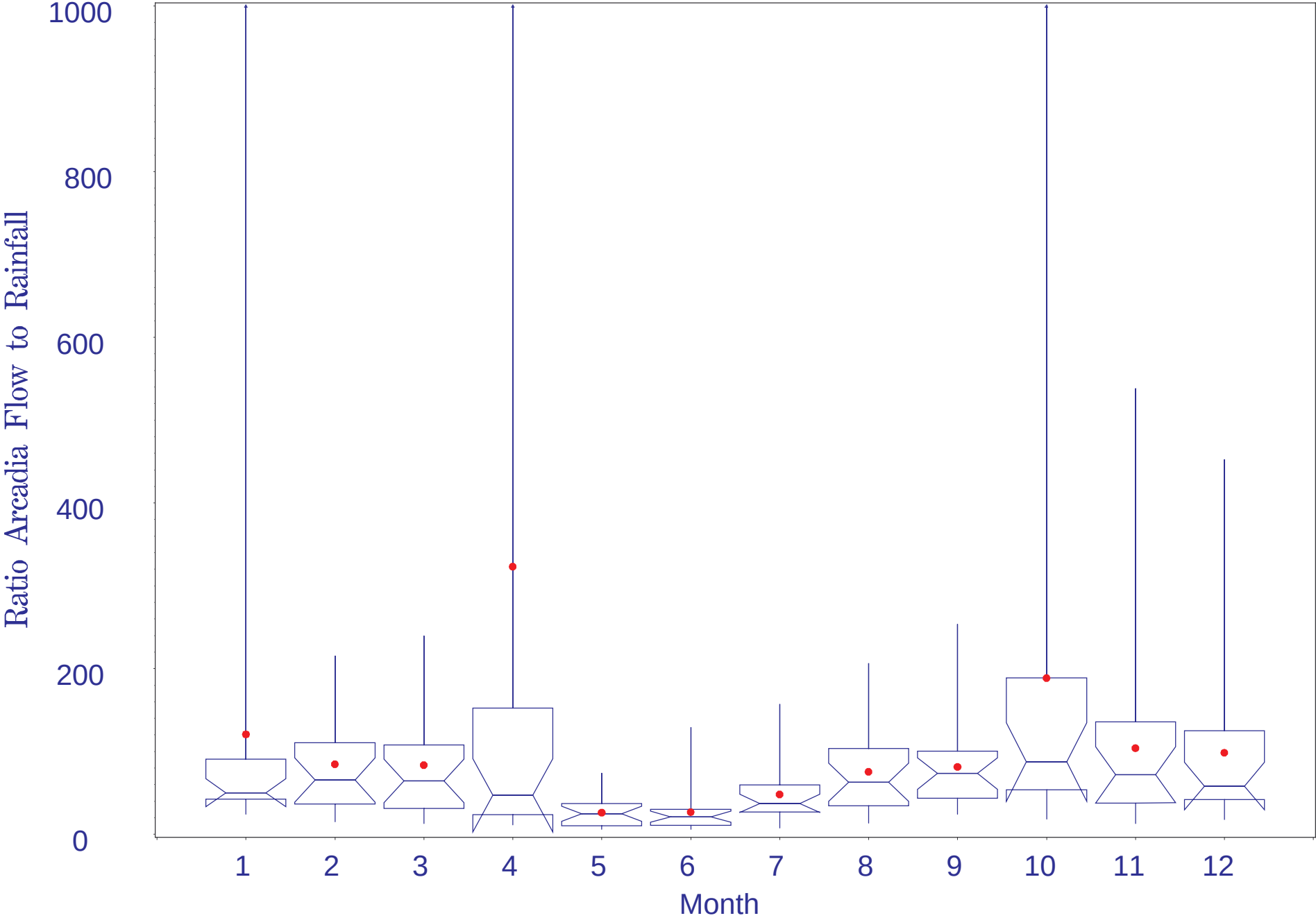


Ratio Arcadia Flow to Rainfall (Arcadia + Wachula + Bartow) 1976-1998

C-28

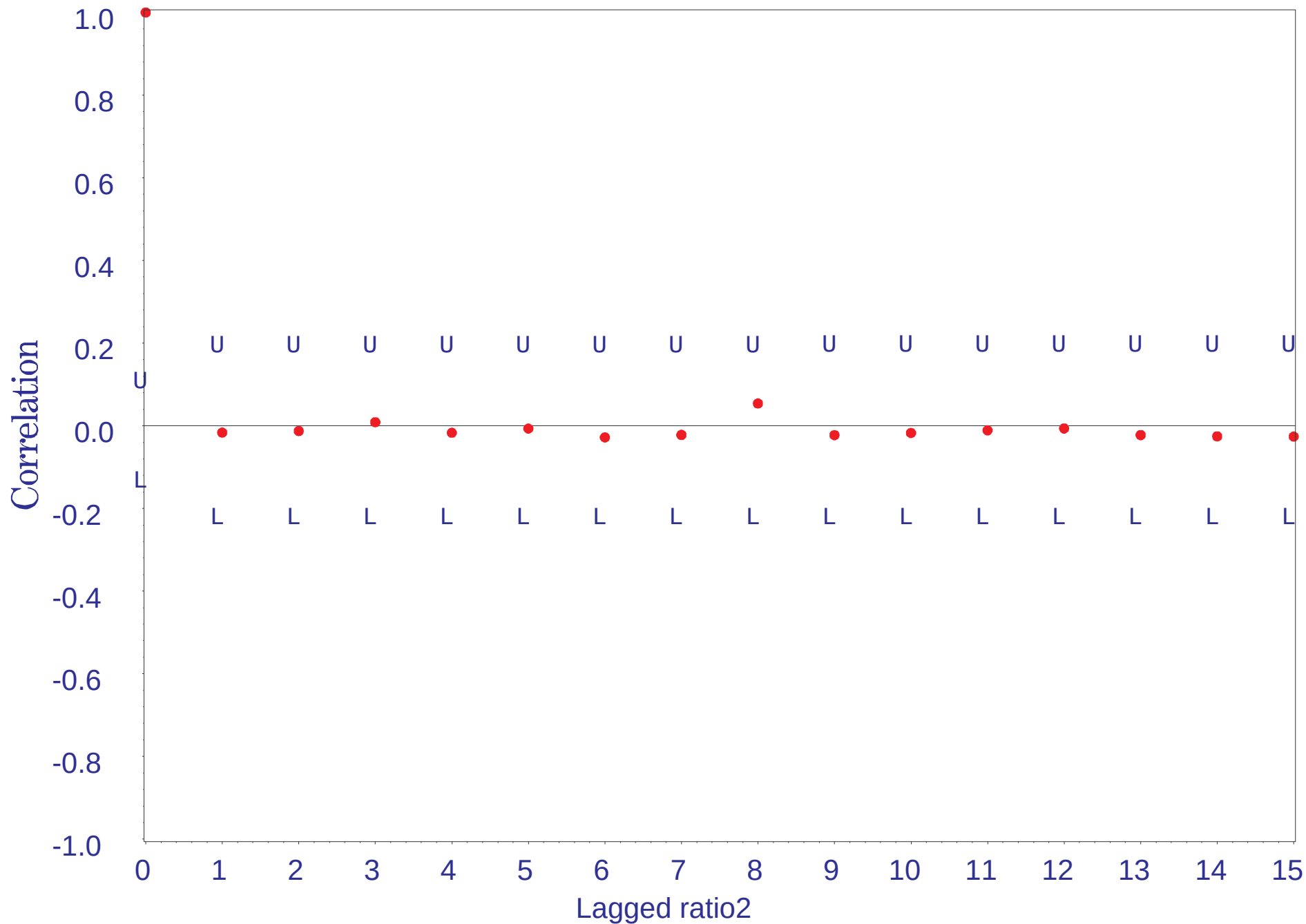


Ratio Arcadia Flow to Rainfall (Arcadia + Wachula + Bartow) 1976-1998
Monthly Boxplots



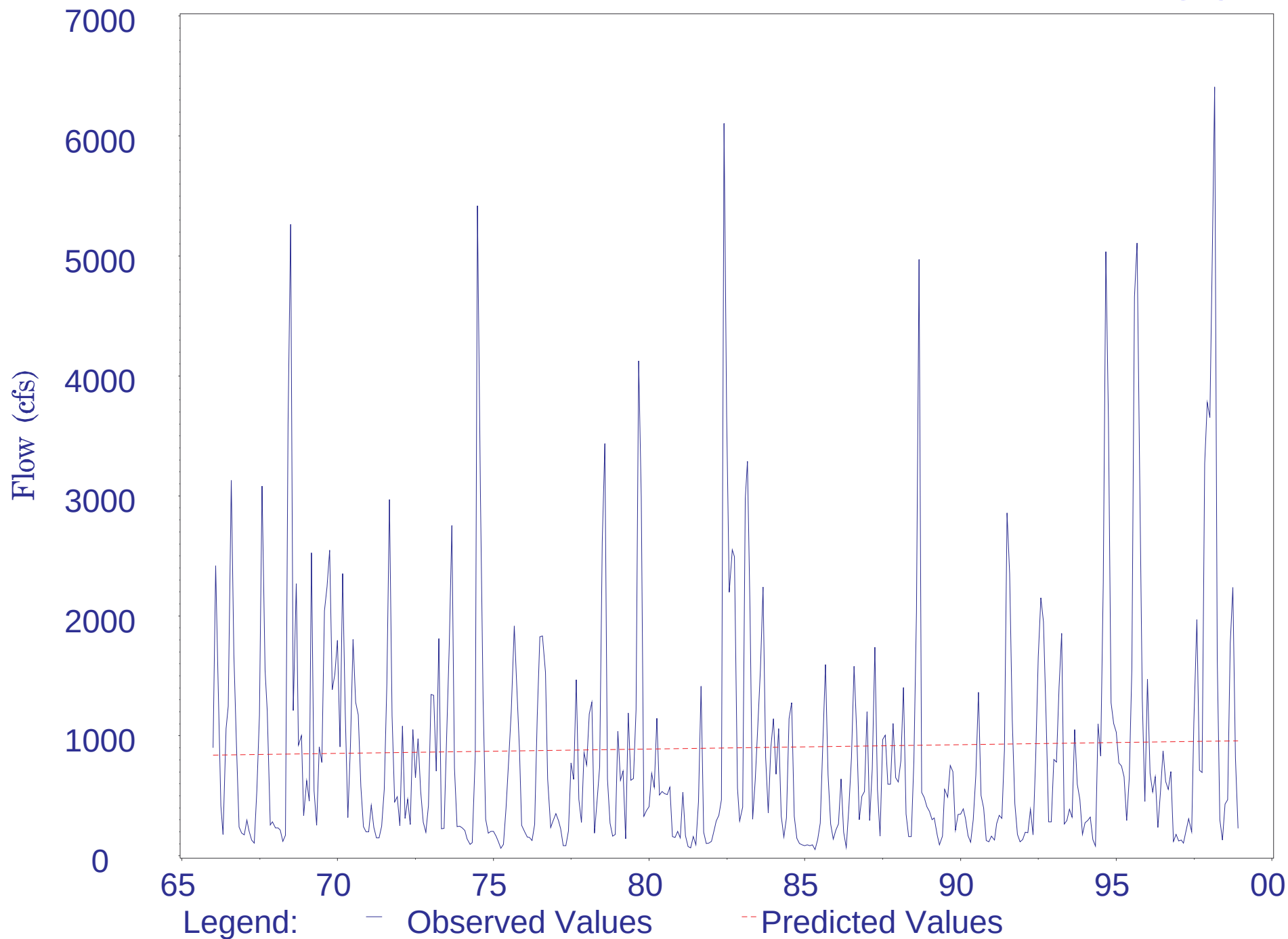
Ratio Arcadia Flow to Rainfall (Arcadia + Wachula + Bartow) 1976-1998
Correlogram with Upper and Lower 95% Confidence Limits

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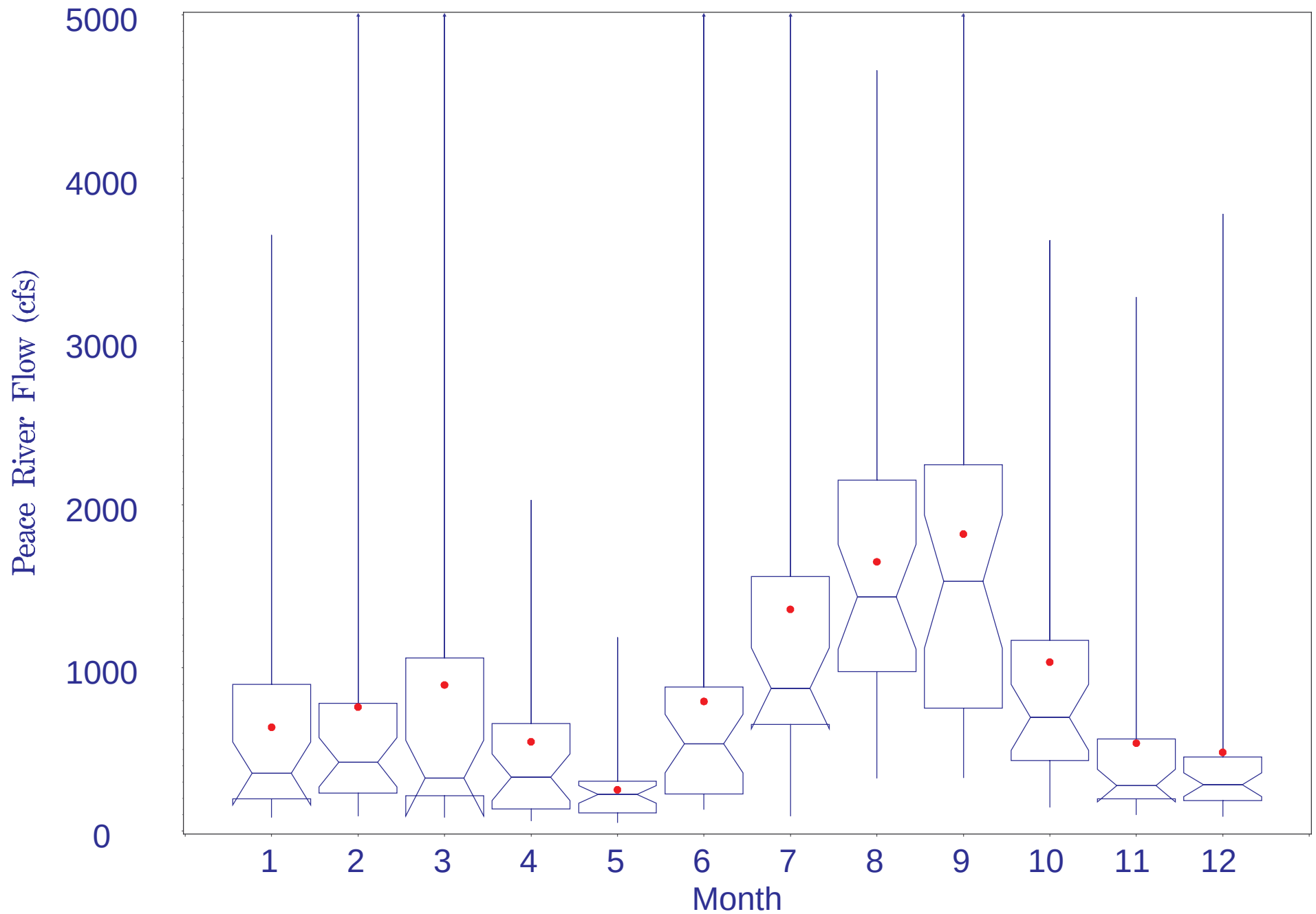
Peace River at Arcadia - 1966-1998

C-31

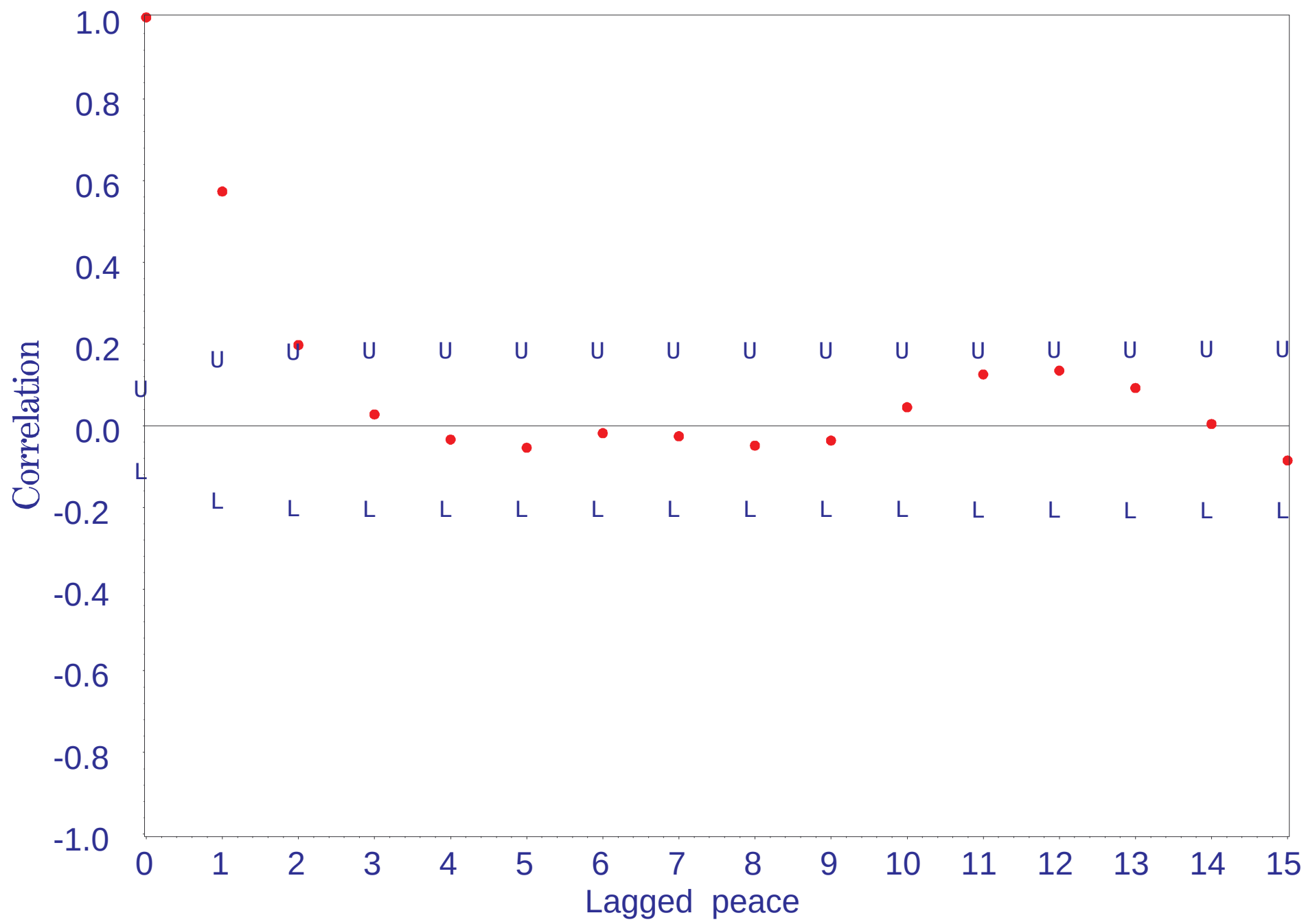


Peace River at Arcadia 1966-1998
Monthly Boxplots

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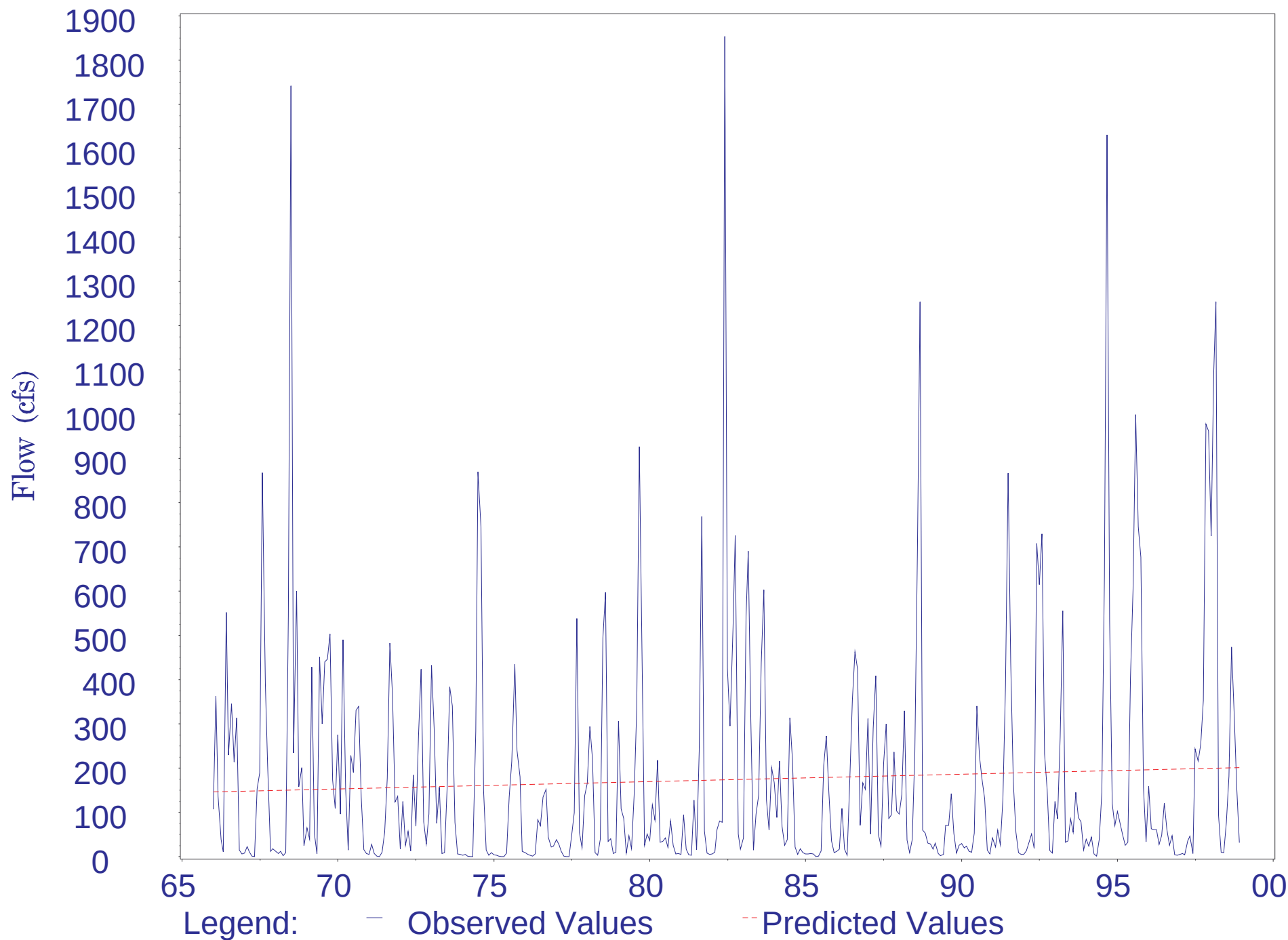


Peace River Flow (cfs) 1966-1998
Correlogram with Upper and Lower 95% Confidence Limits **C-33**



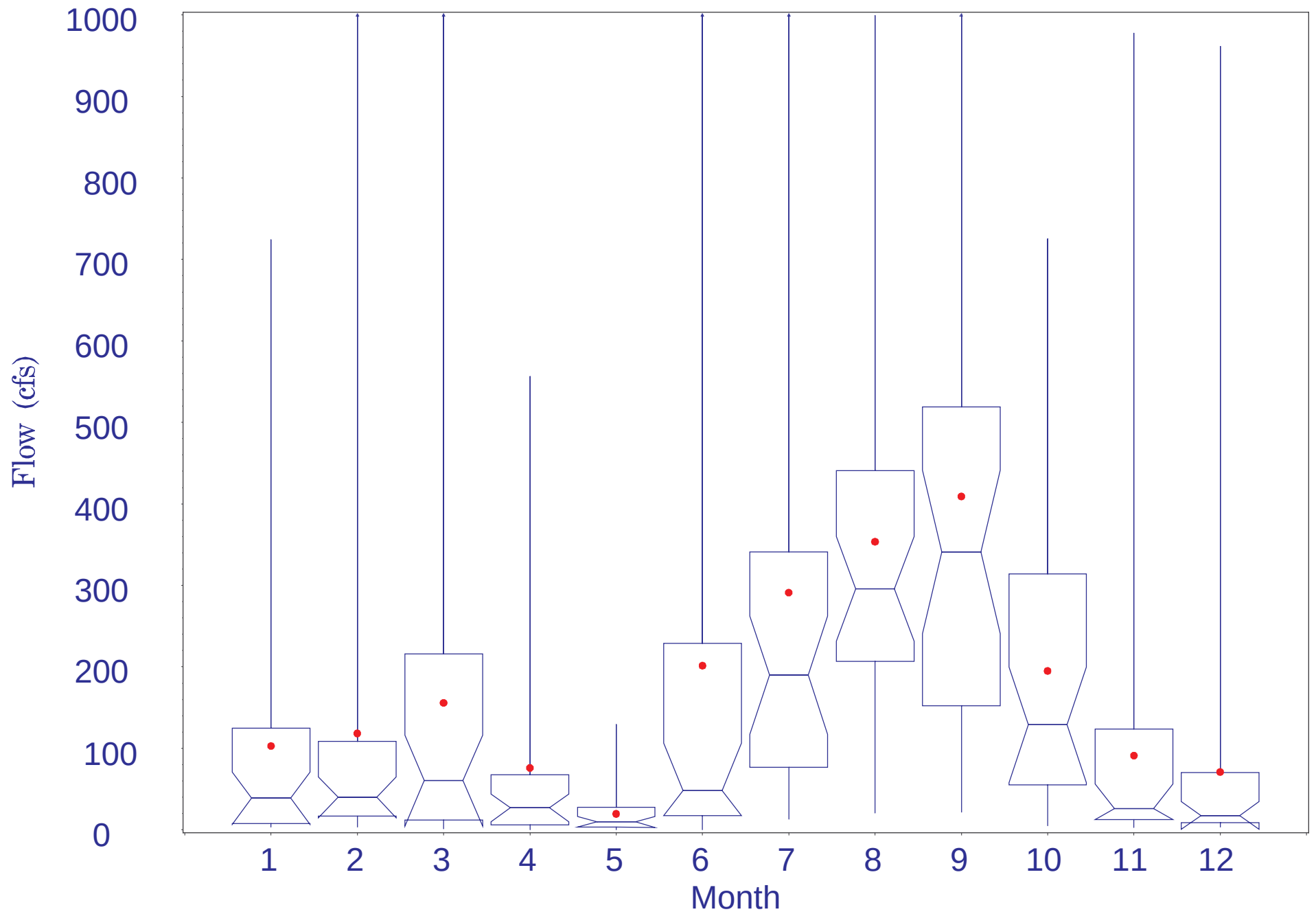
Horse Creek Flow - 1966-1998

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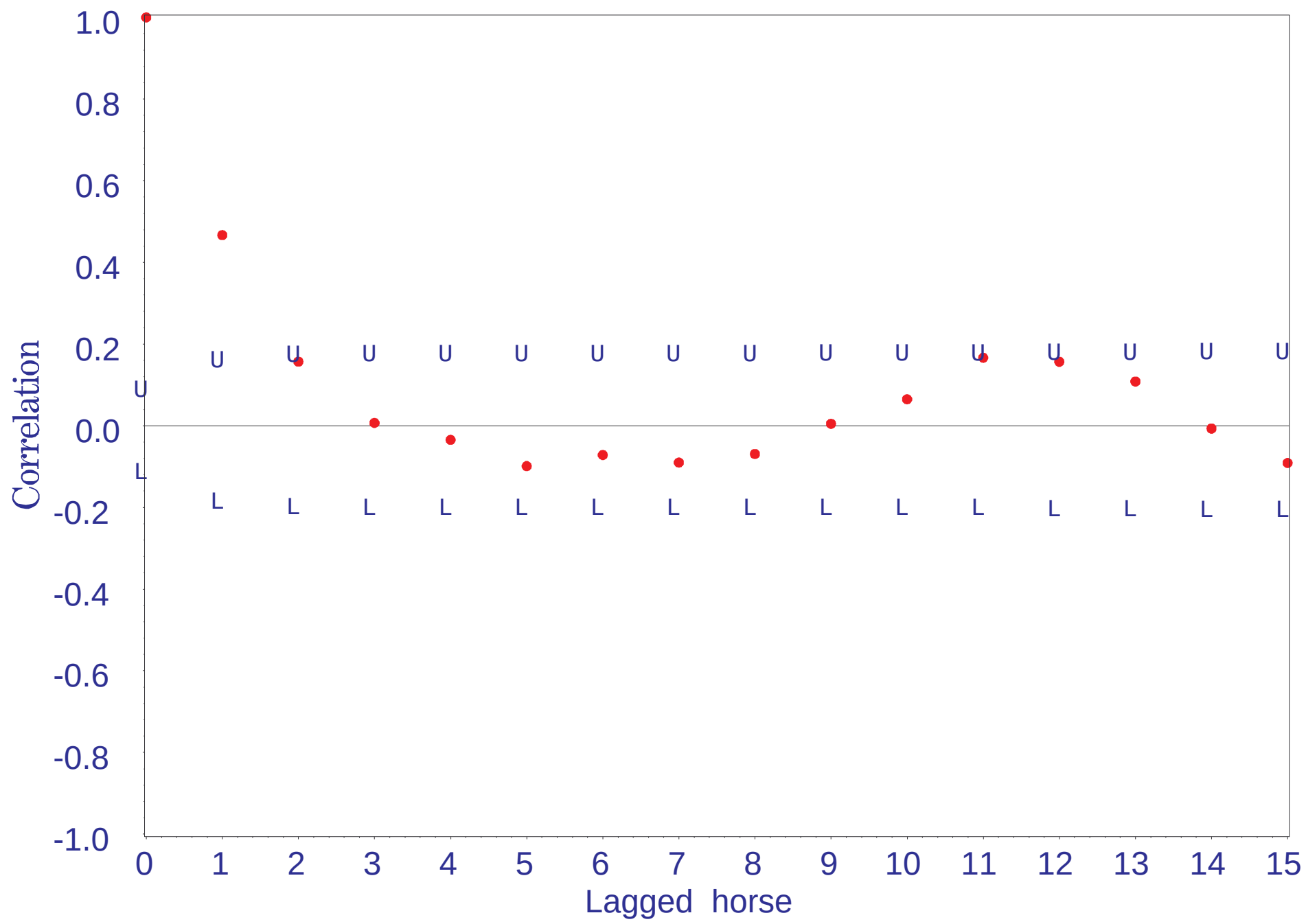
Horse Creek 1966-1998 Monthly Boxplots

C-35



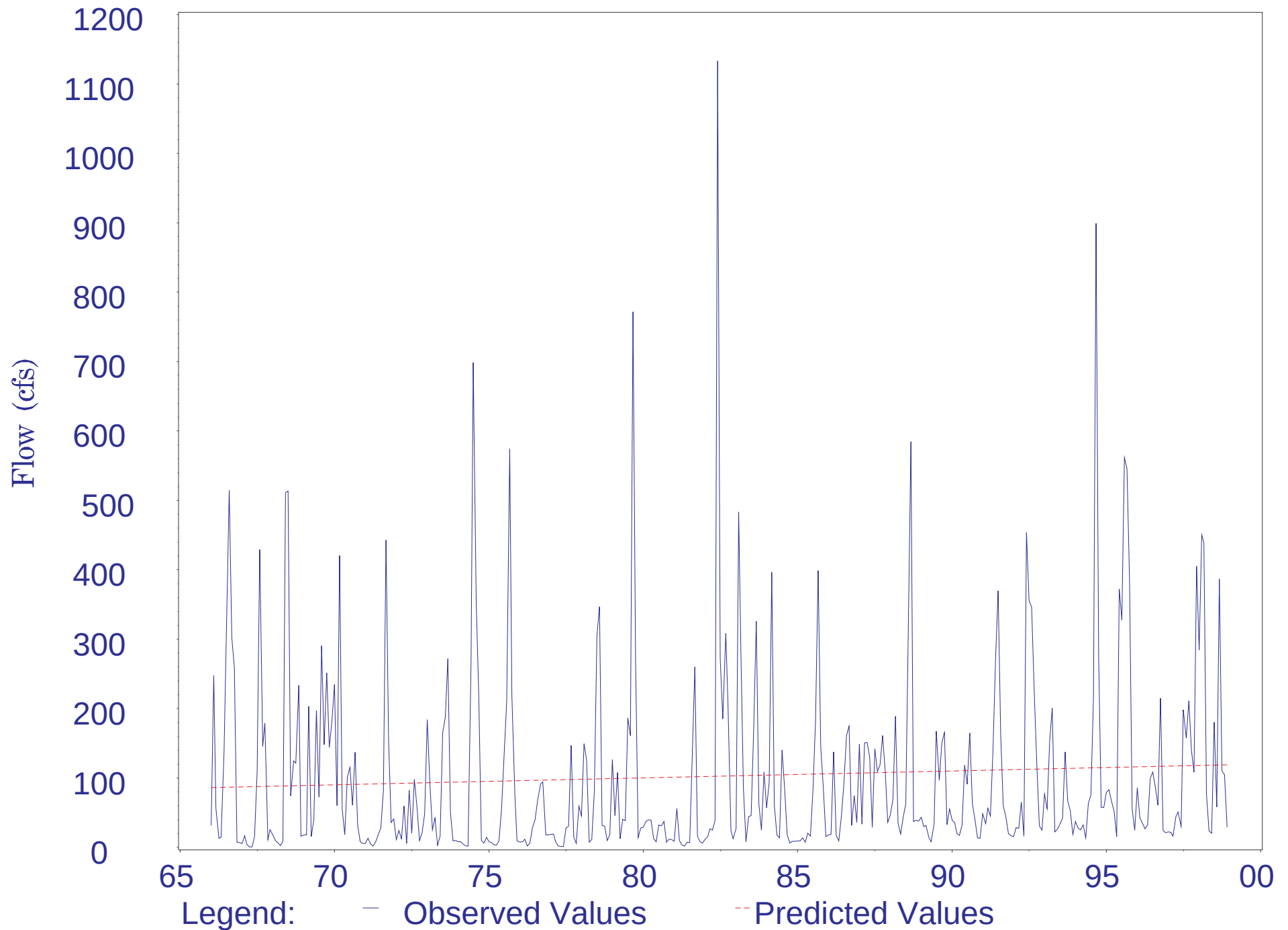
Horse Creek Flow (cfs) 1966-1998
Correlogram with Upper and Lower 95% Confidence Limits

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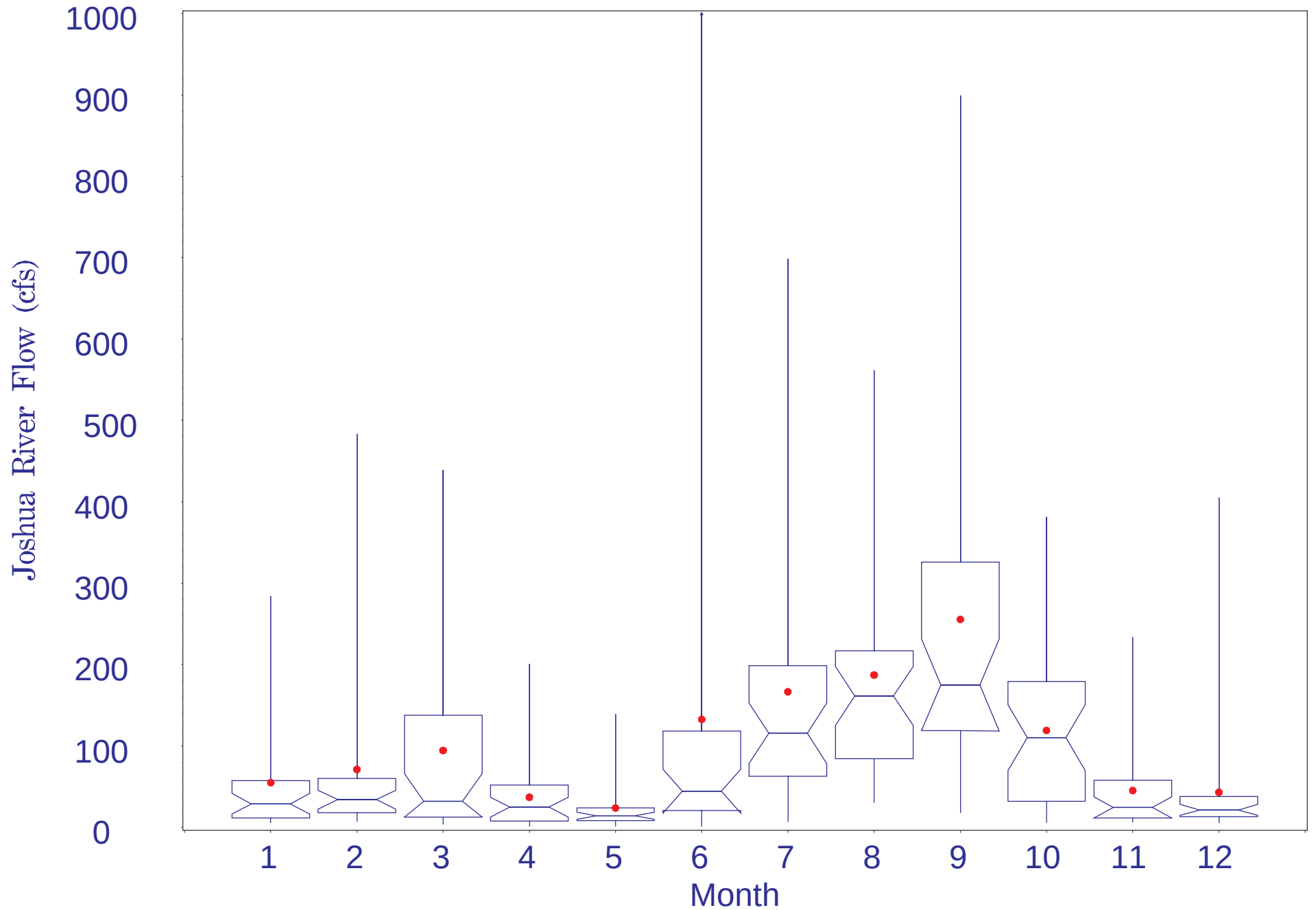
Joshua Creek Flow - 1966-1998

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Joshua Creek 1966-1998 Monthly Boxplots

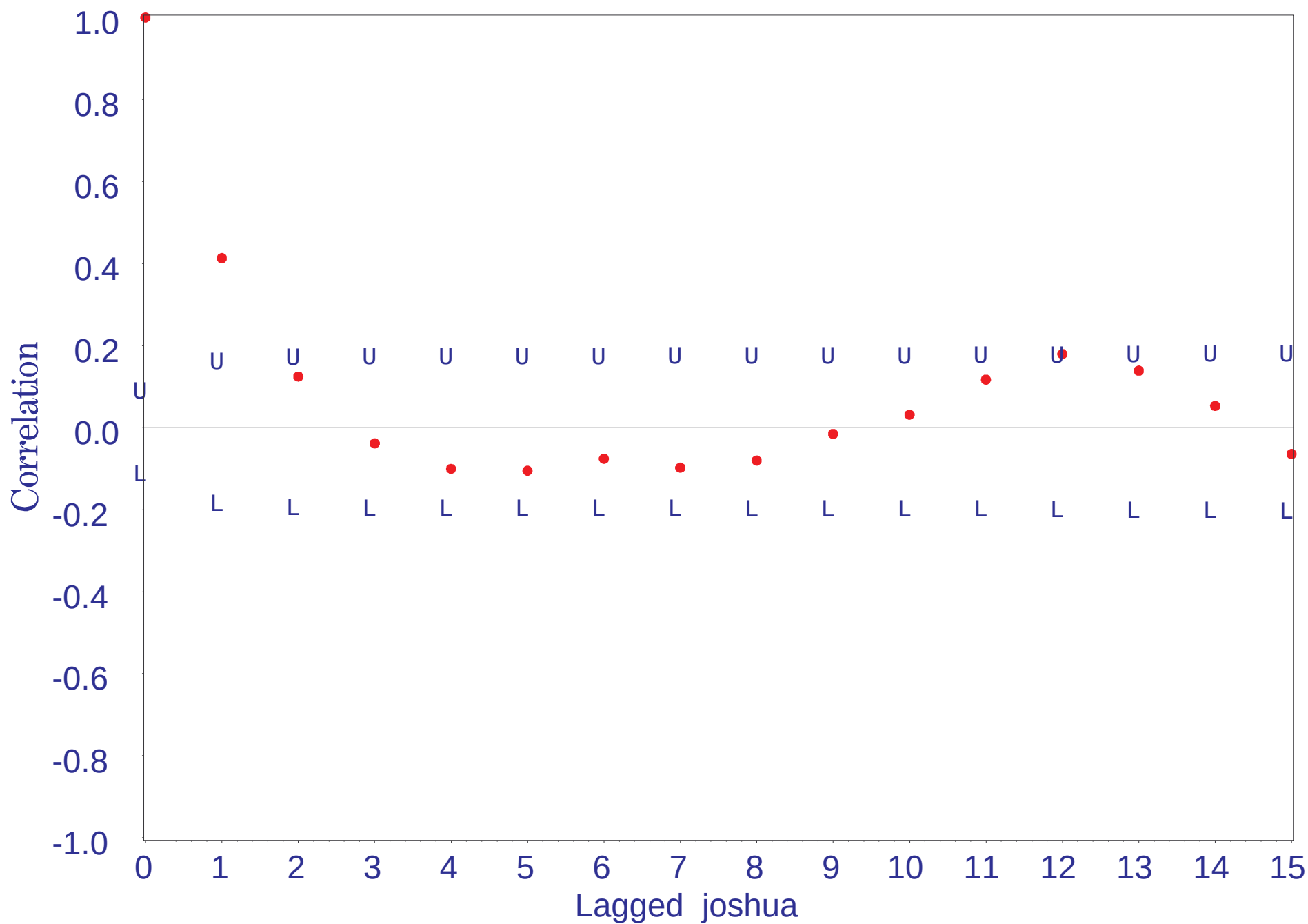
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Joshua Creek Flow 1966-1998

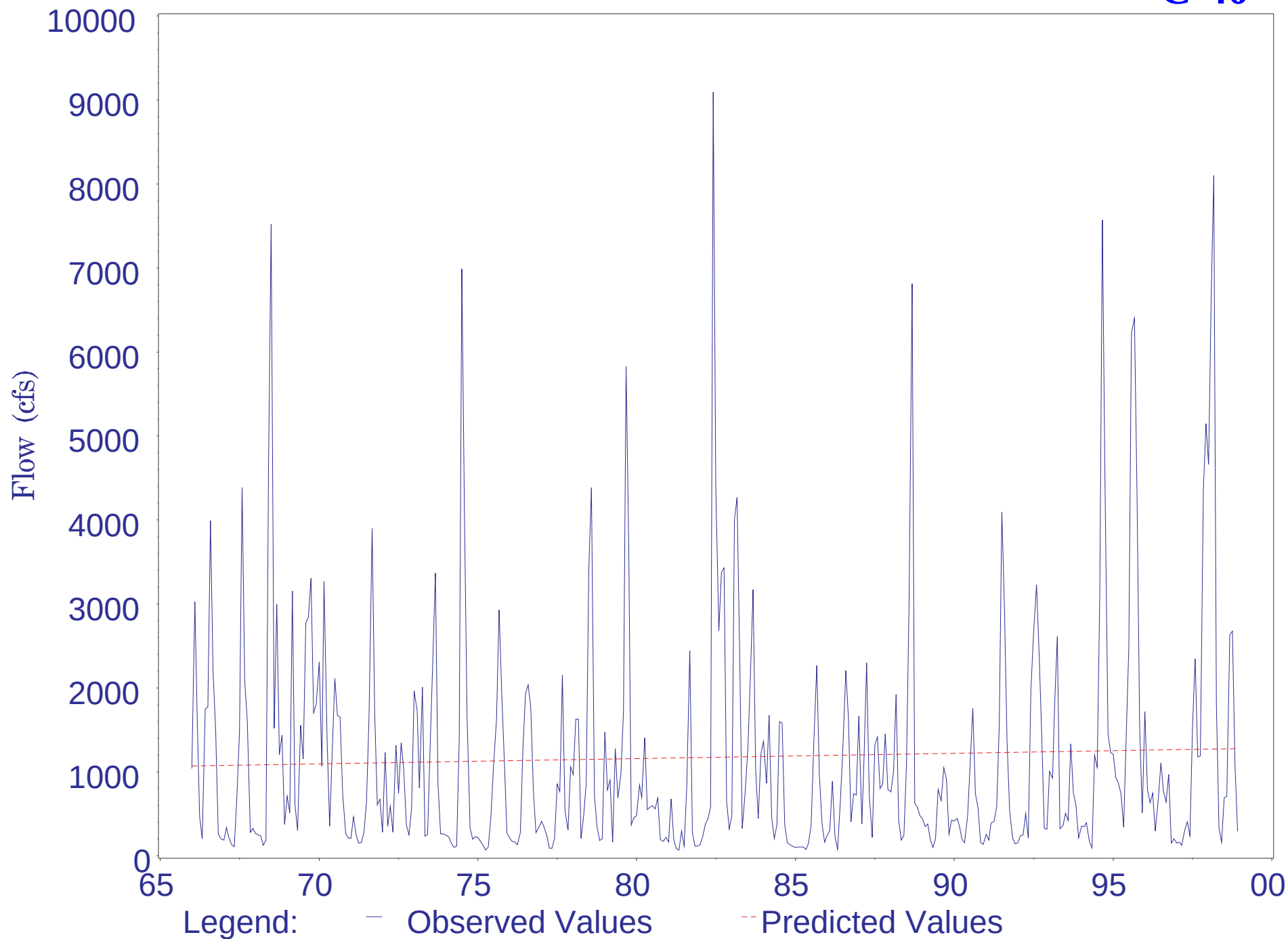
Correlogram with Upper and Lower 95% Confidence Limits

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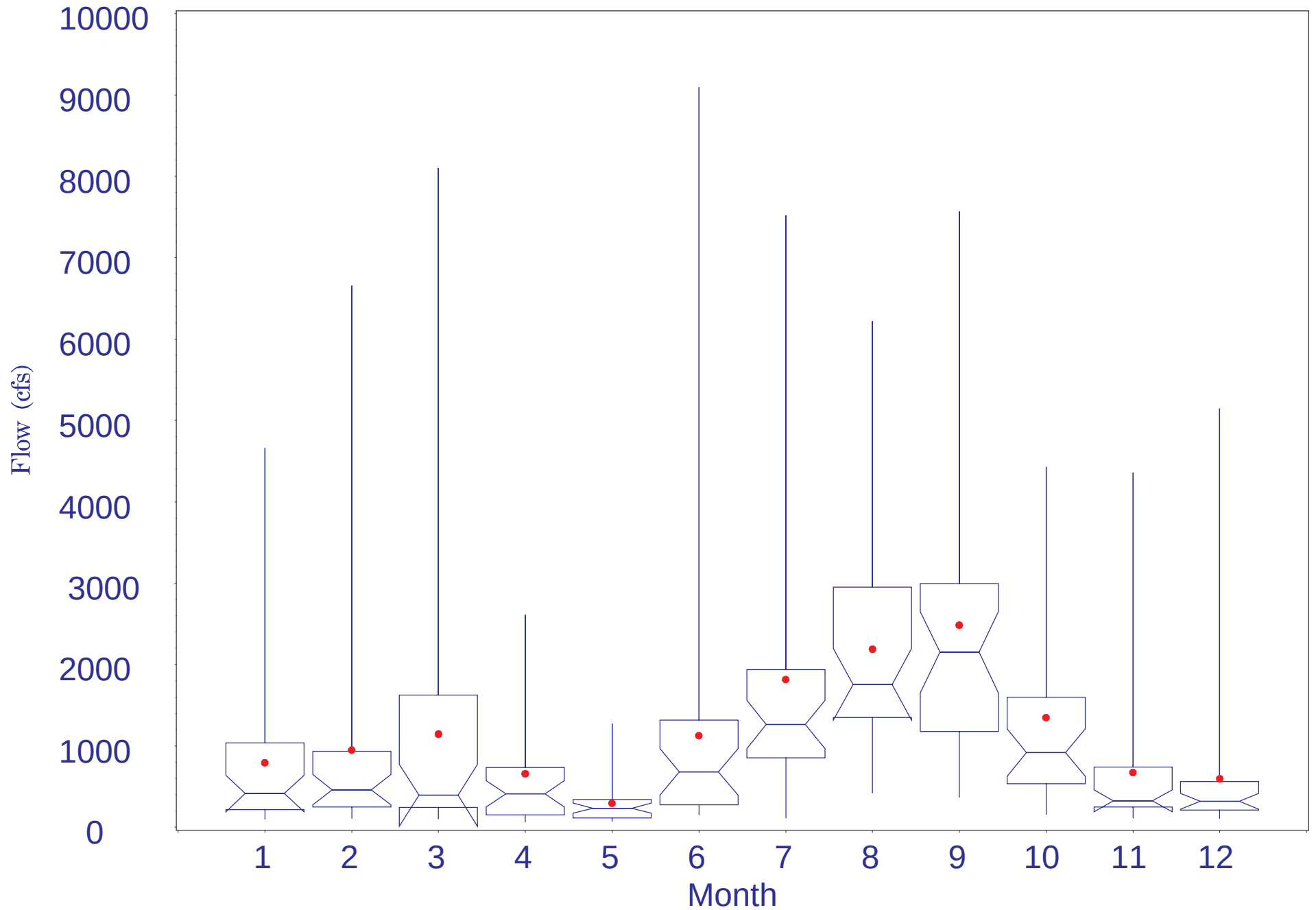
River Flow at Treatment Facility - 1966-1998

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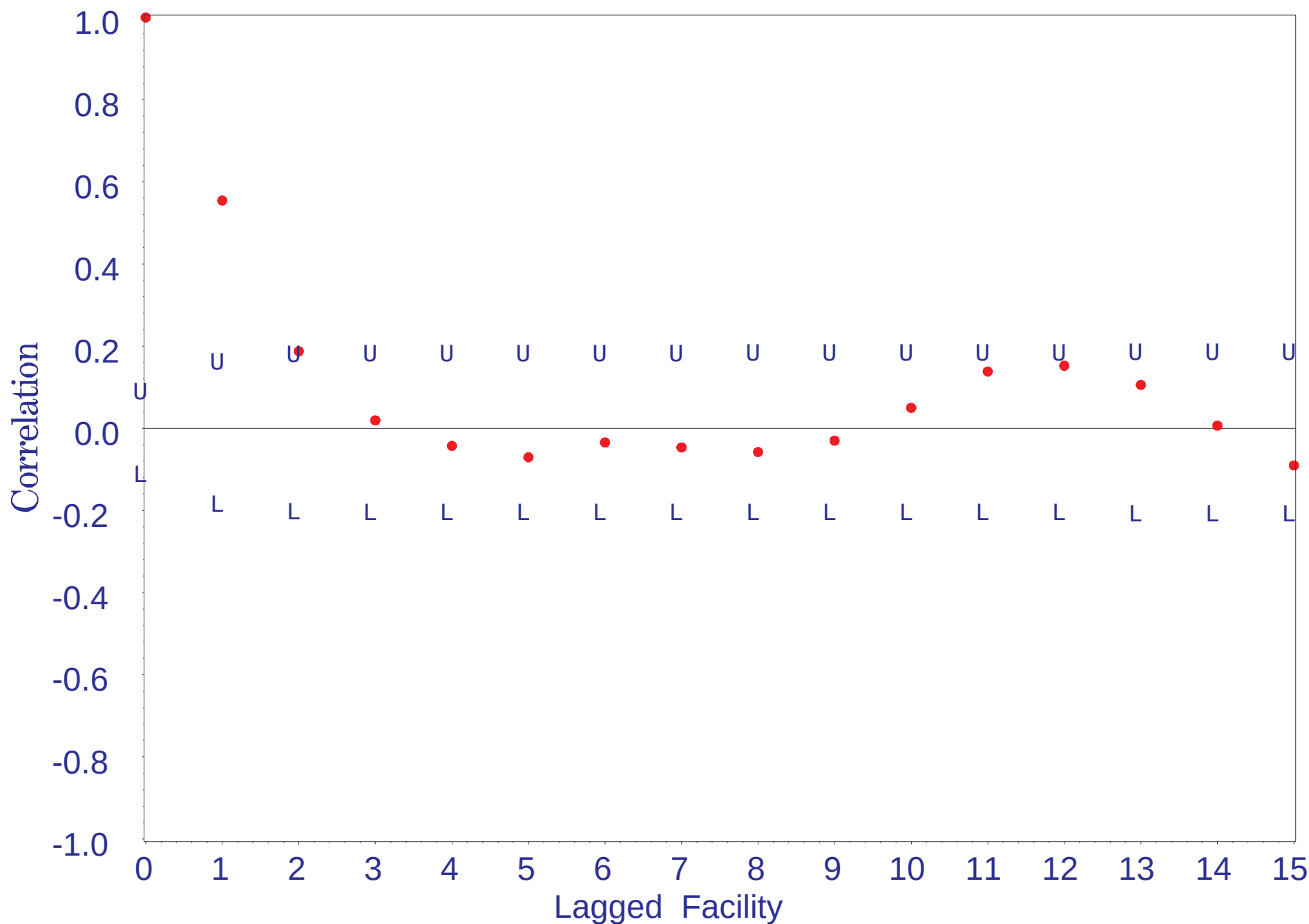
River Flow at Treatment Facility 1966-1998 Monthly Boxplots

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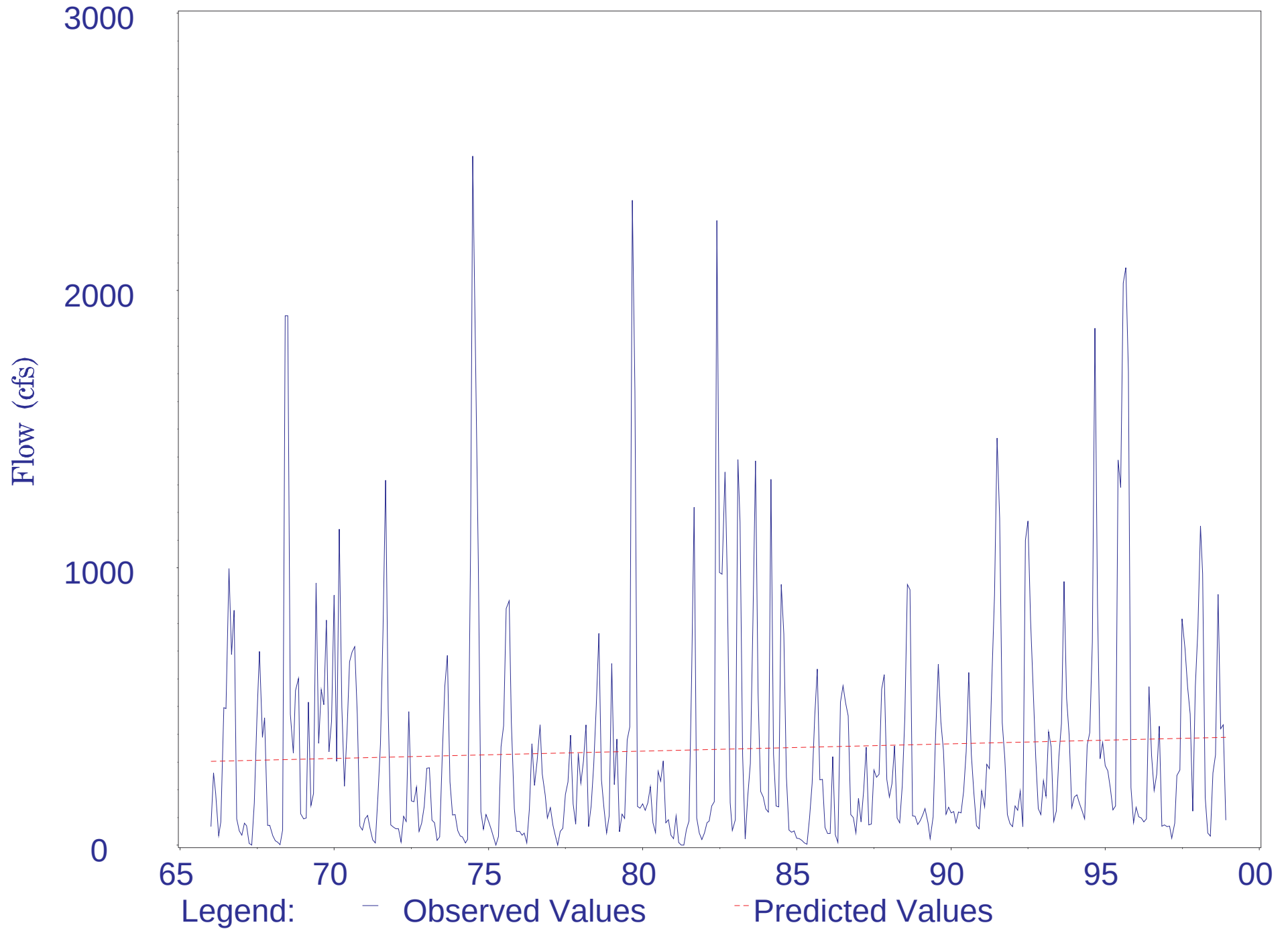
River Flow at Treatment Facility (cfs) 1966-1998
Correlogram with Upper and Lower 95% Confidence Limits

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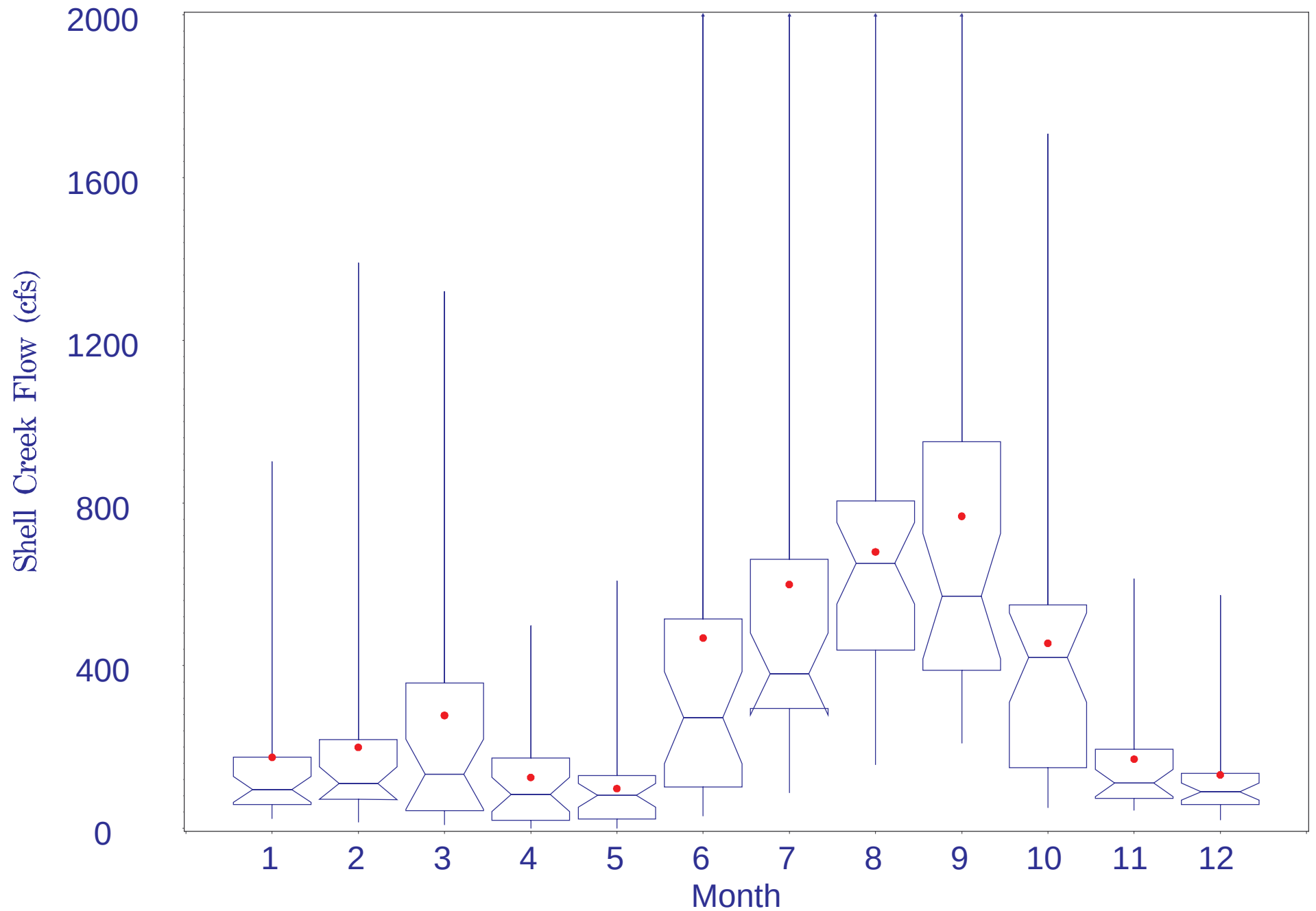
Shell Creek Flow - 1966-1998

C-43

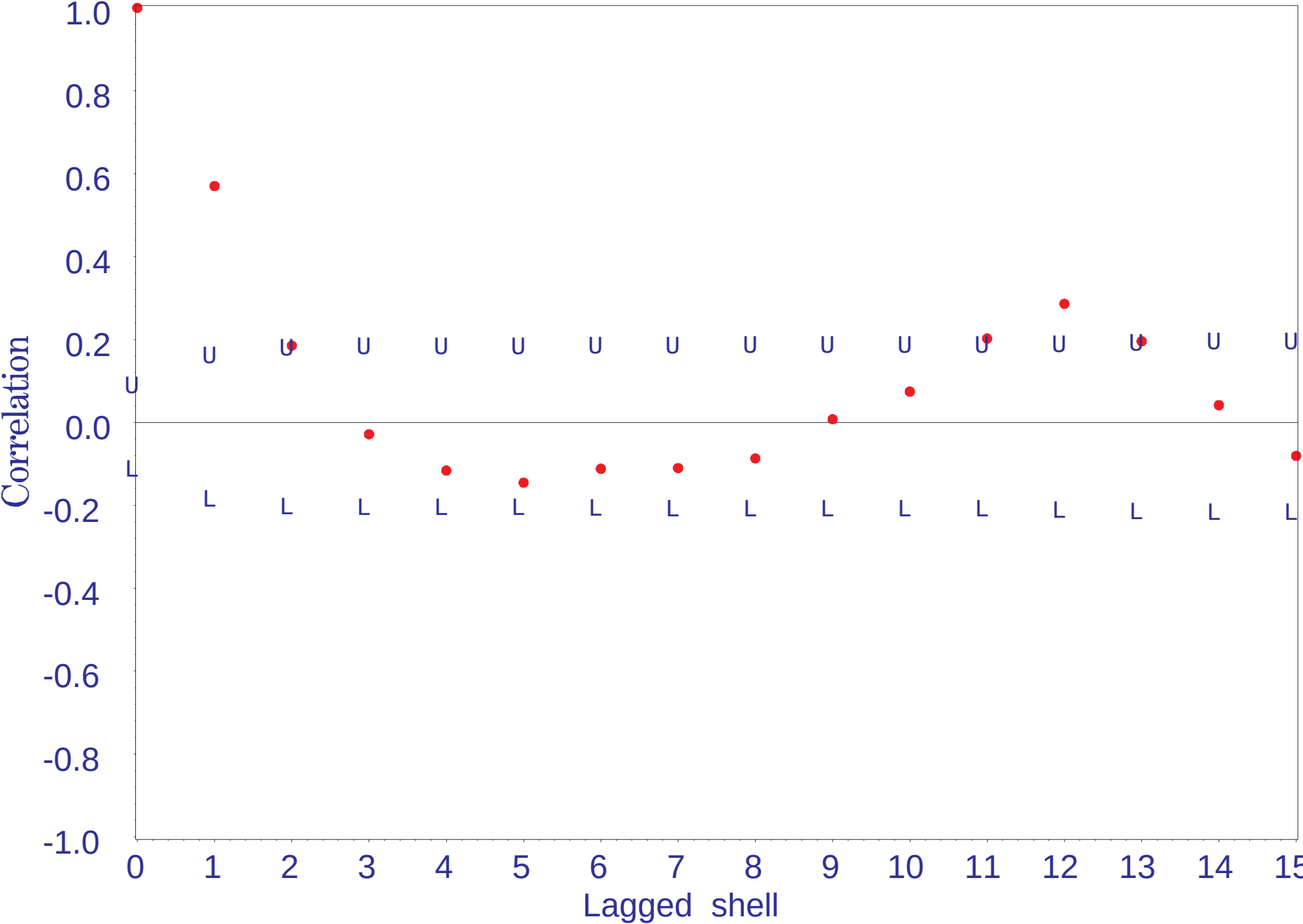


Shell Creek 1966-1998 Monthly Boxplots

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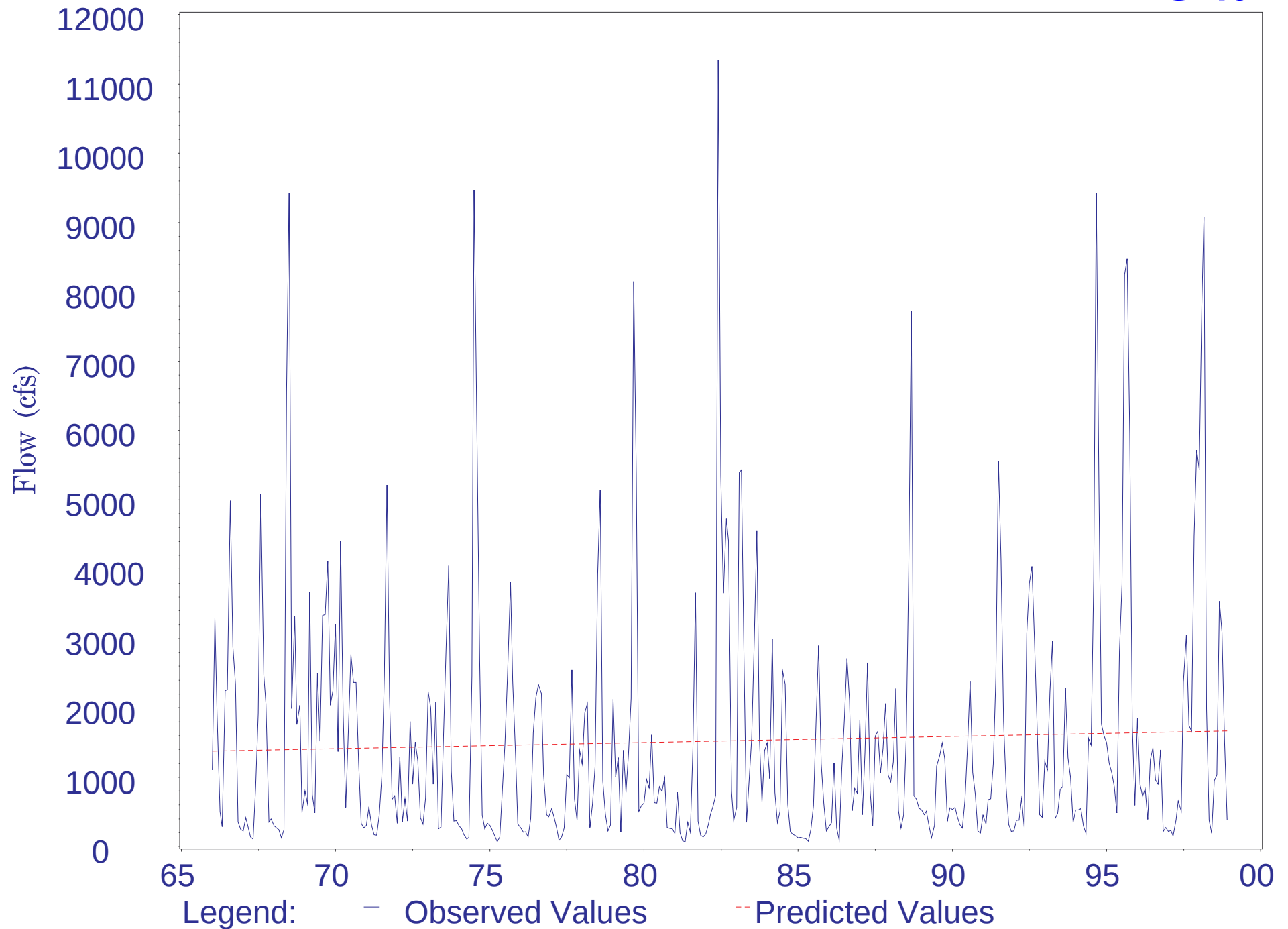


Shell Creek Flow (cfs) 1966-1998
Correlogram with Upper and Lower 95% Confidence Limits **C-45**



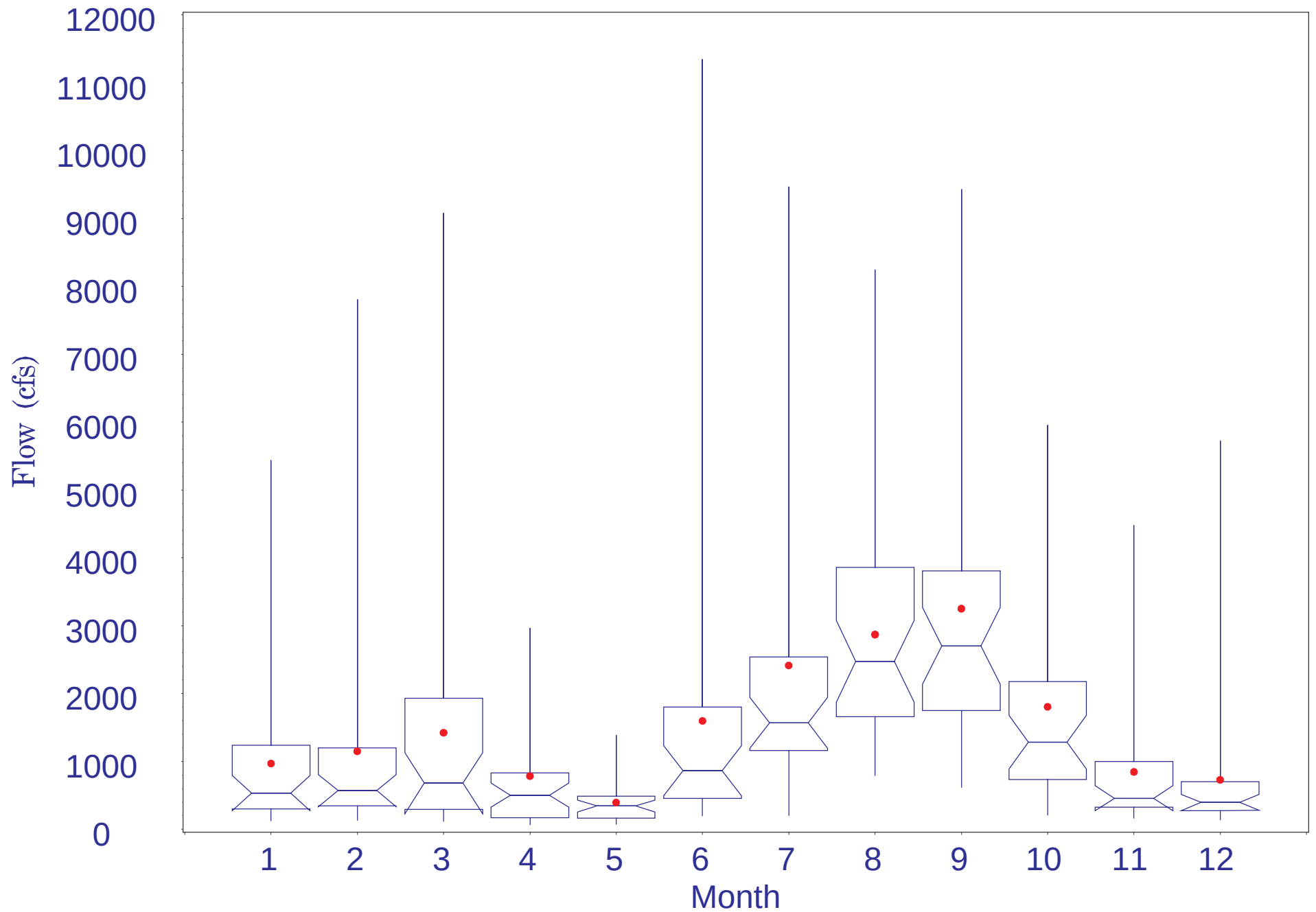
River Flow at US 41 Bridge - 1966-1998

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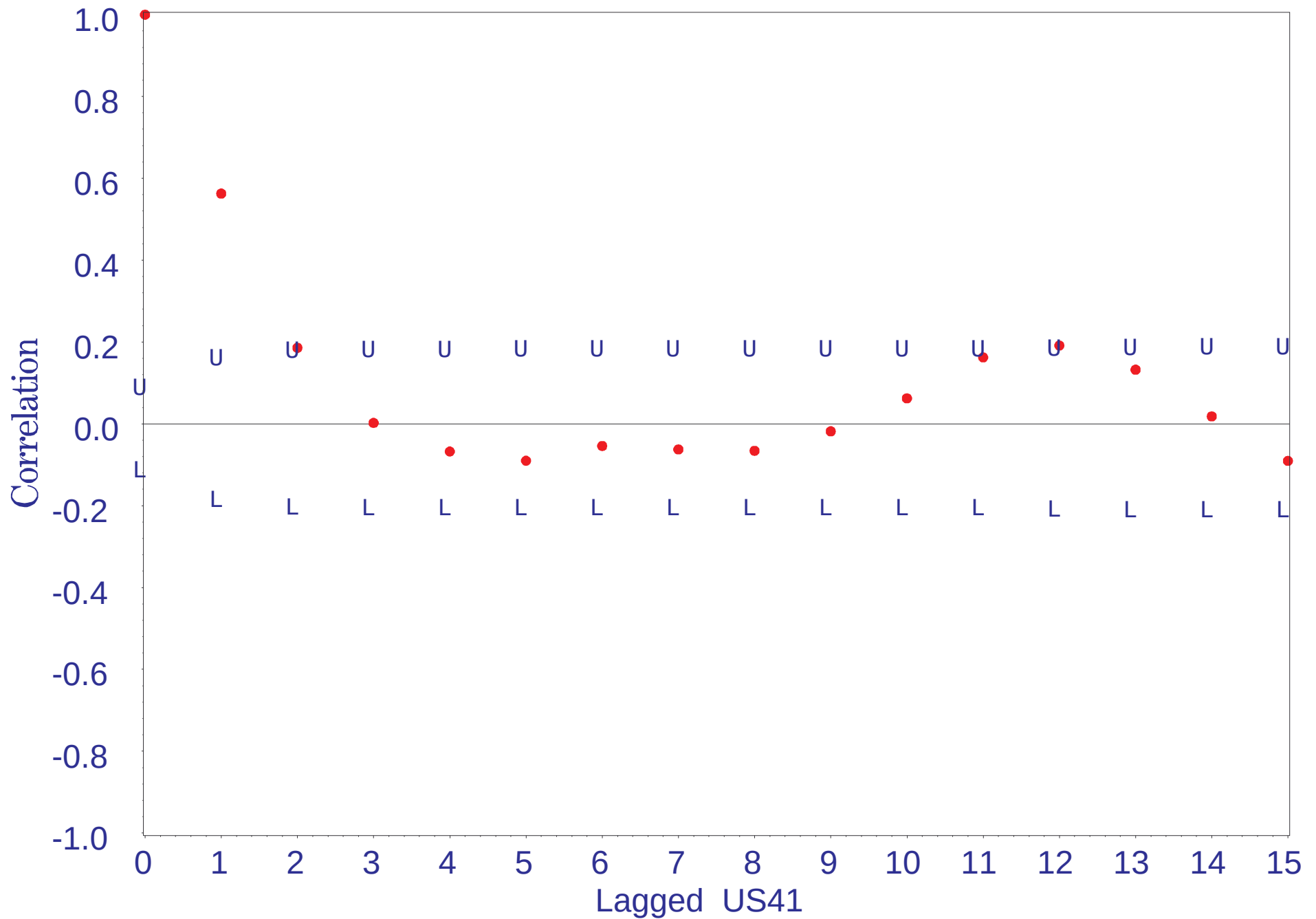
River Flow at US 41 Bridge 1966-1998 Monthly Boxplots

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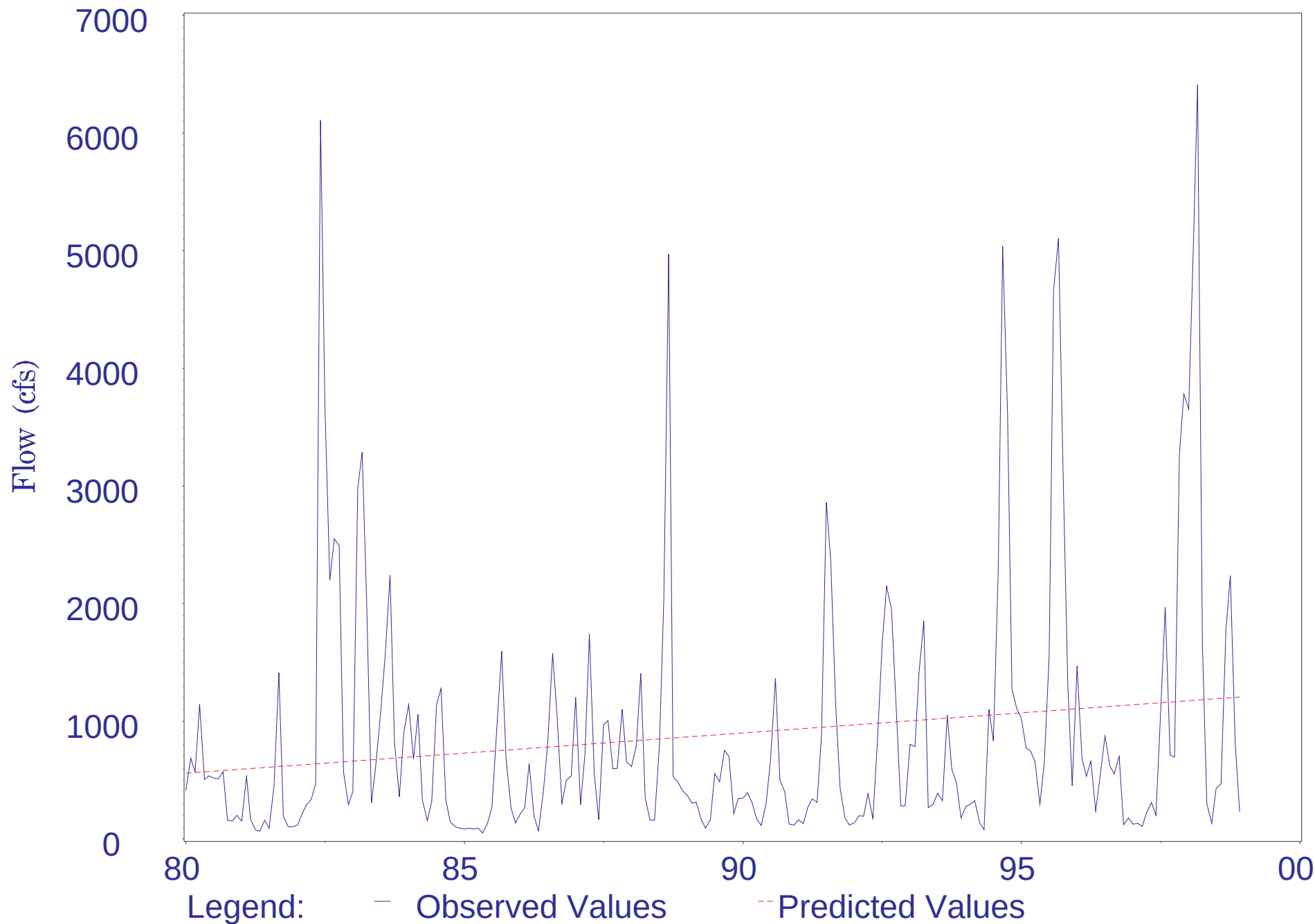
River Flow at US 41 Bridge **1966-1998**
Correlogram with Upper and Lower 95% Confidence Limits

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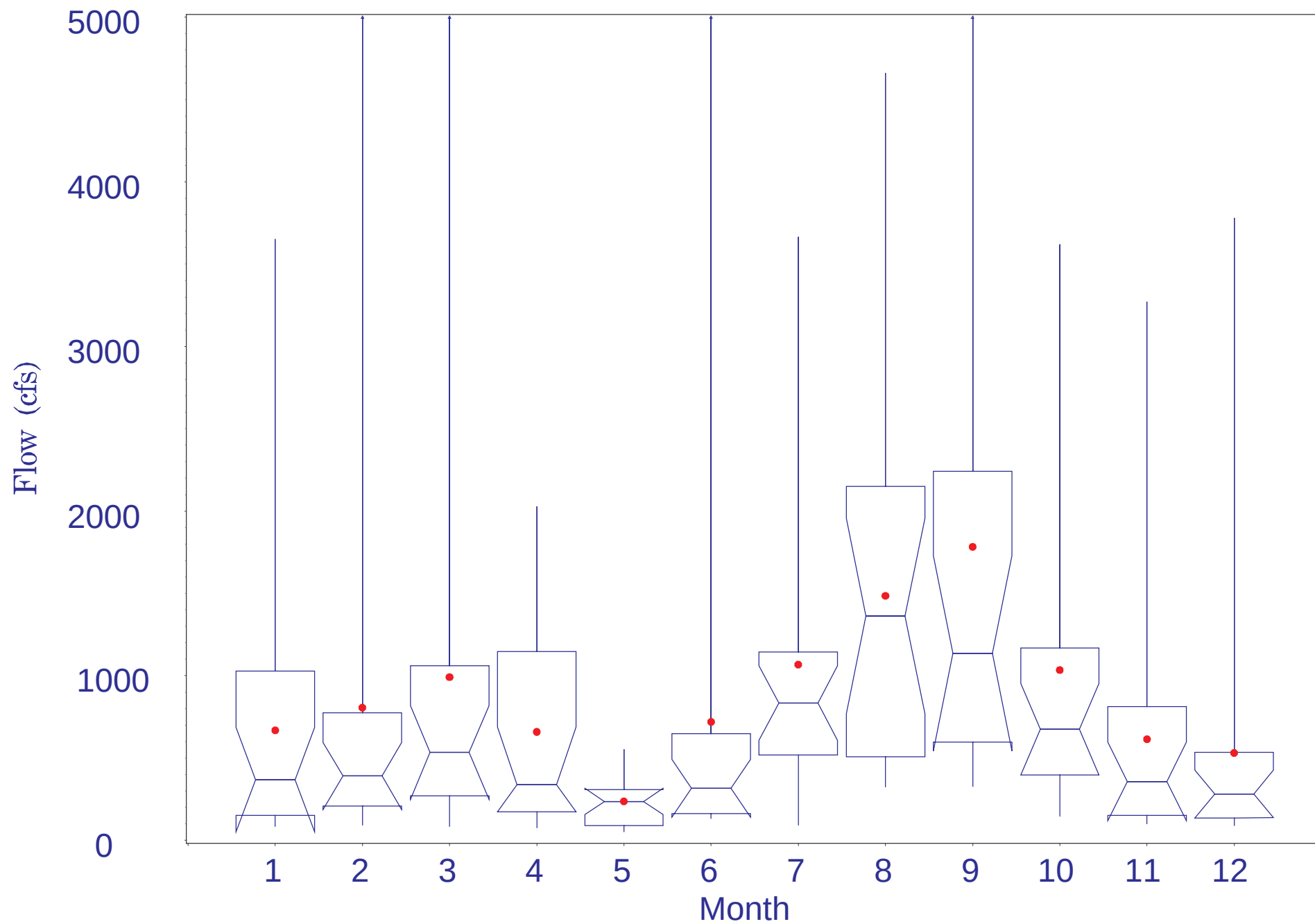
Peace River at Arcadia - 1980-1998
Flow (cfs)

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Peace River at Arcadia 1980-1998
Monthly Boxplots

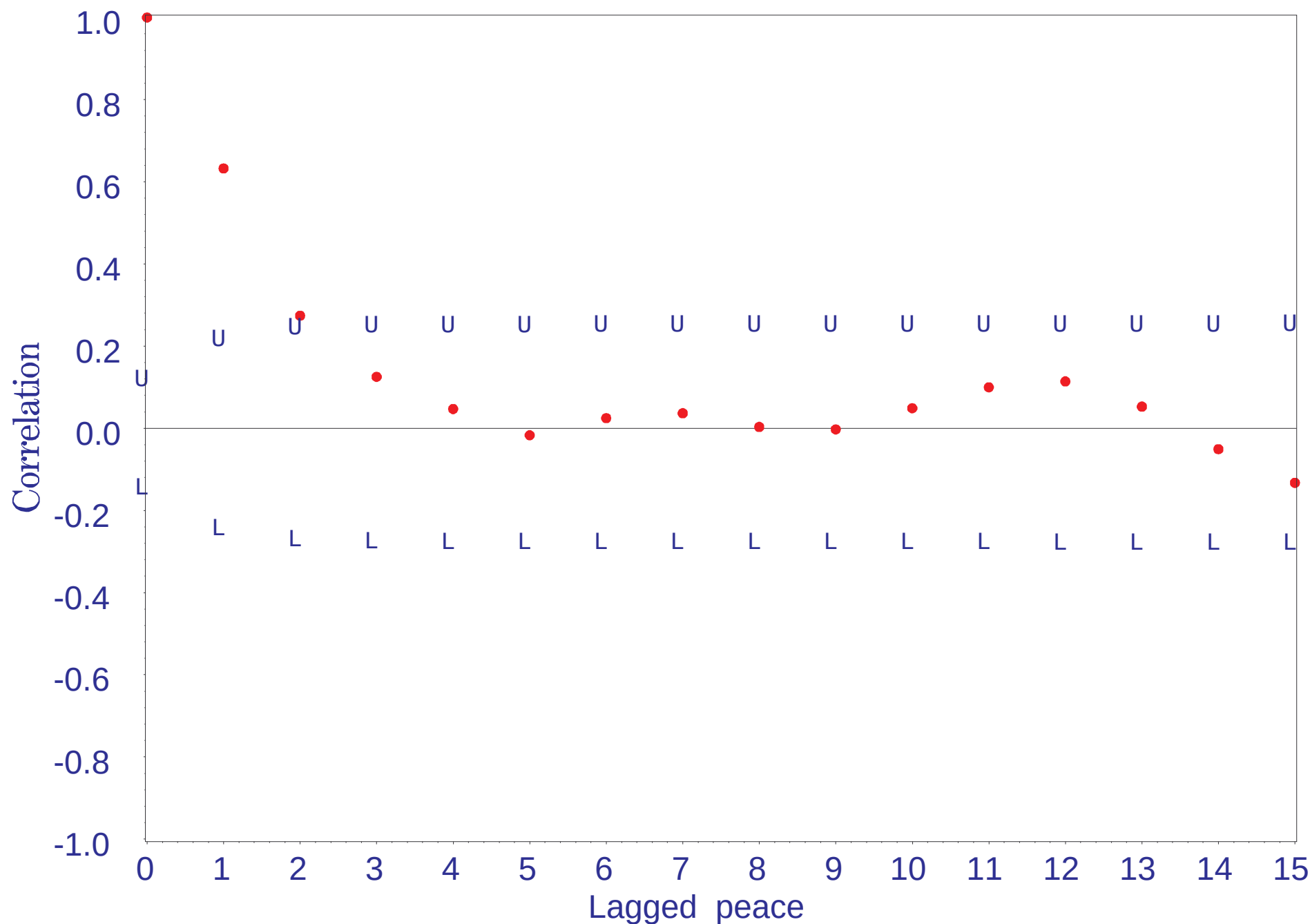
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Flow Peace River at Arcadia 1980-1998

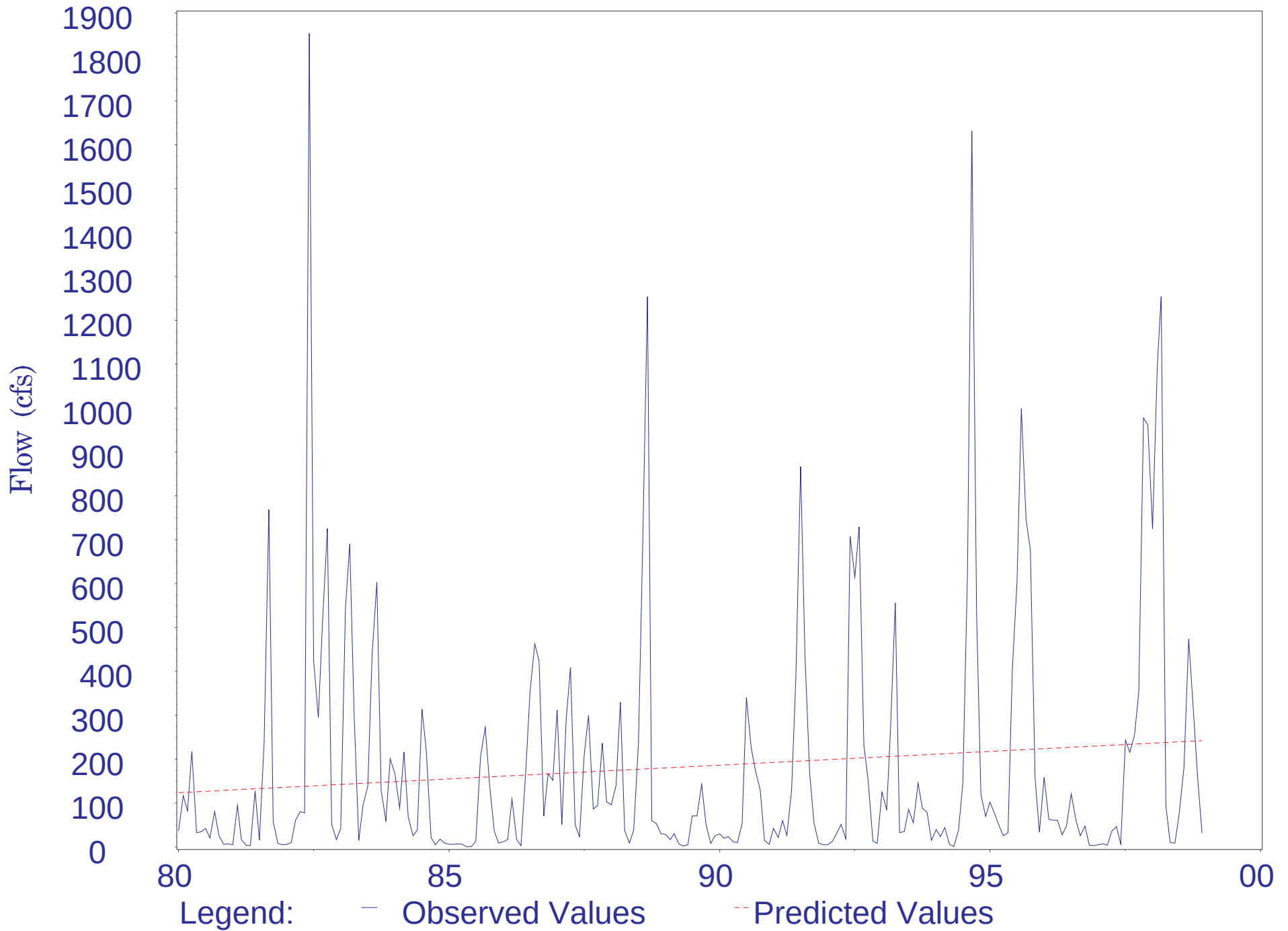
Correlogram with Upper and Lower 95% Confidence Limits

C-51



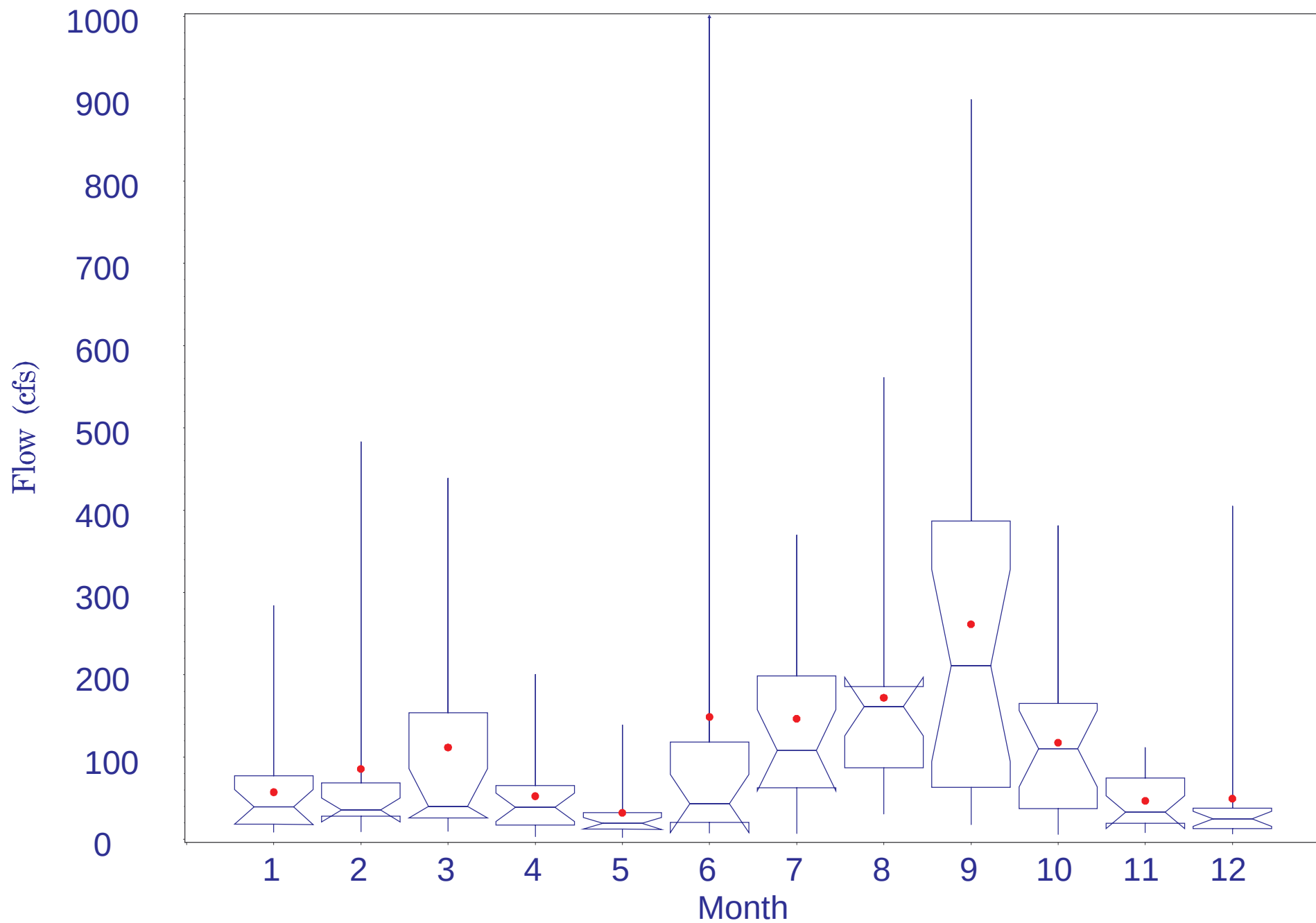
Horse Creek Flow - 1980-1998

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Horse Creek 1980-1998 Monthly Boxplots

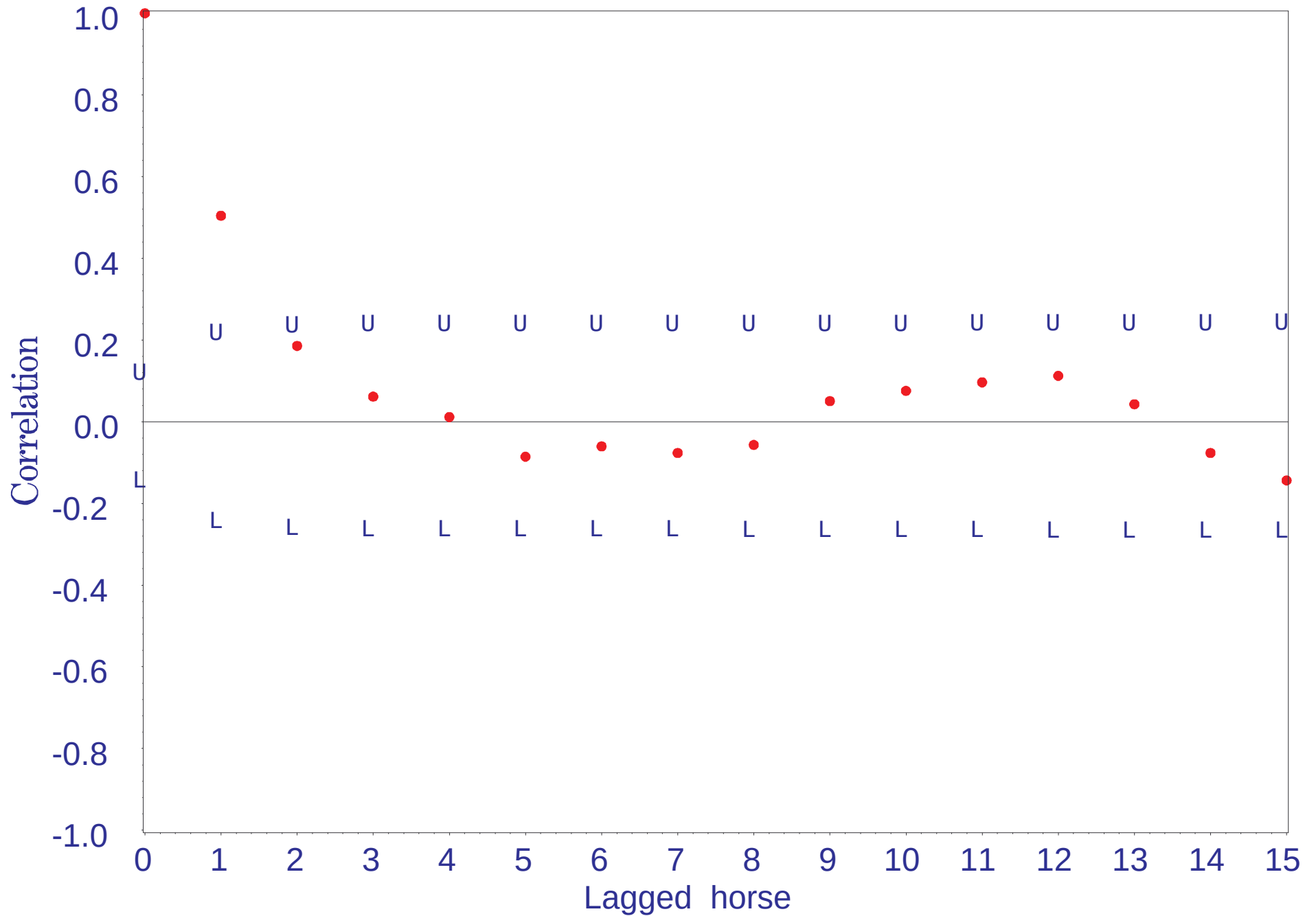
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Horse Creek Flow 1980-1998

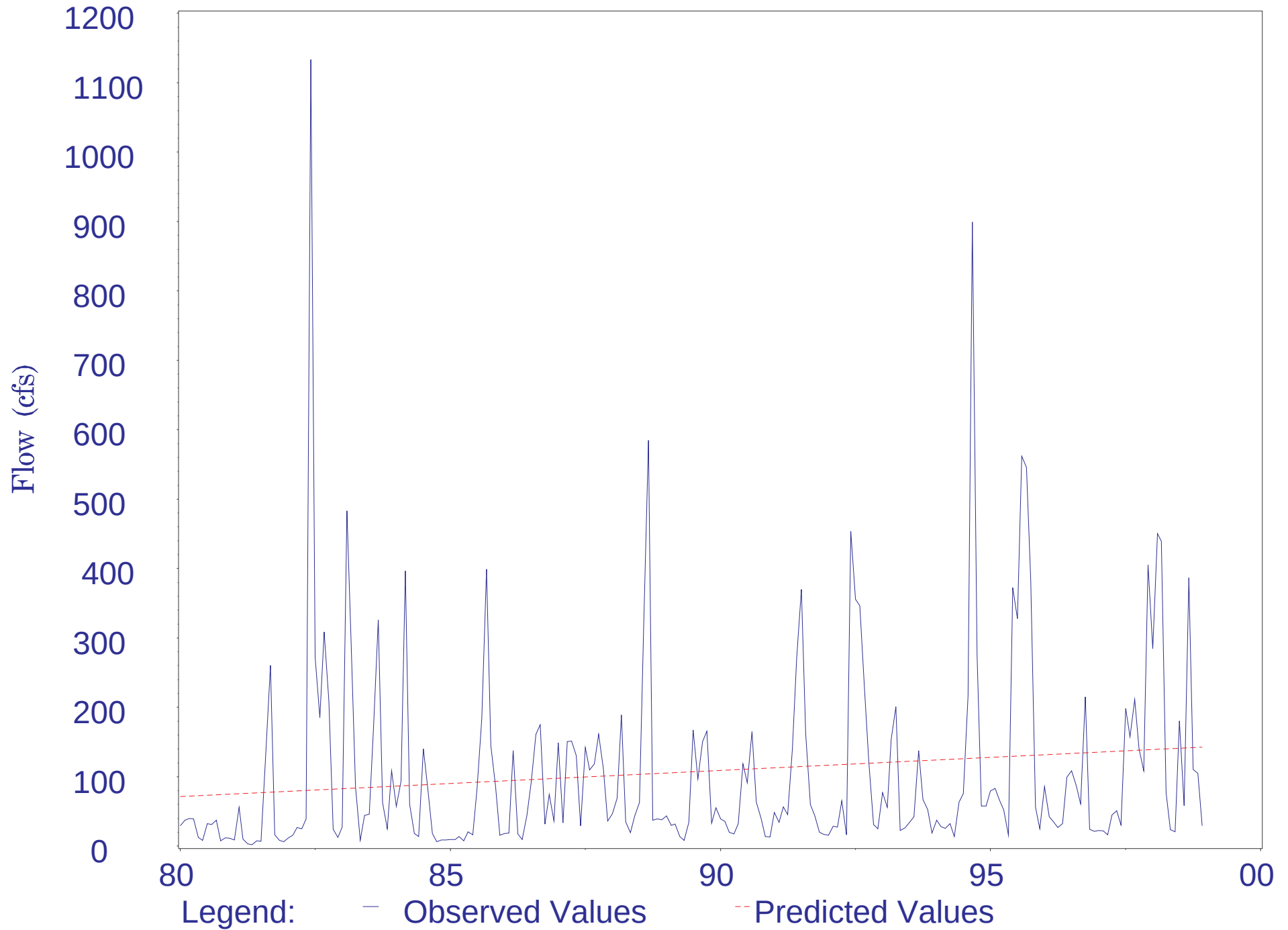
Correlogram with Upper and Lower 95% Confidence Limits

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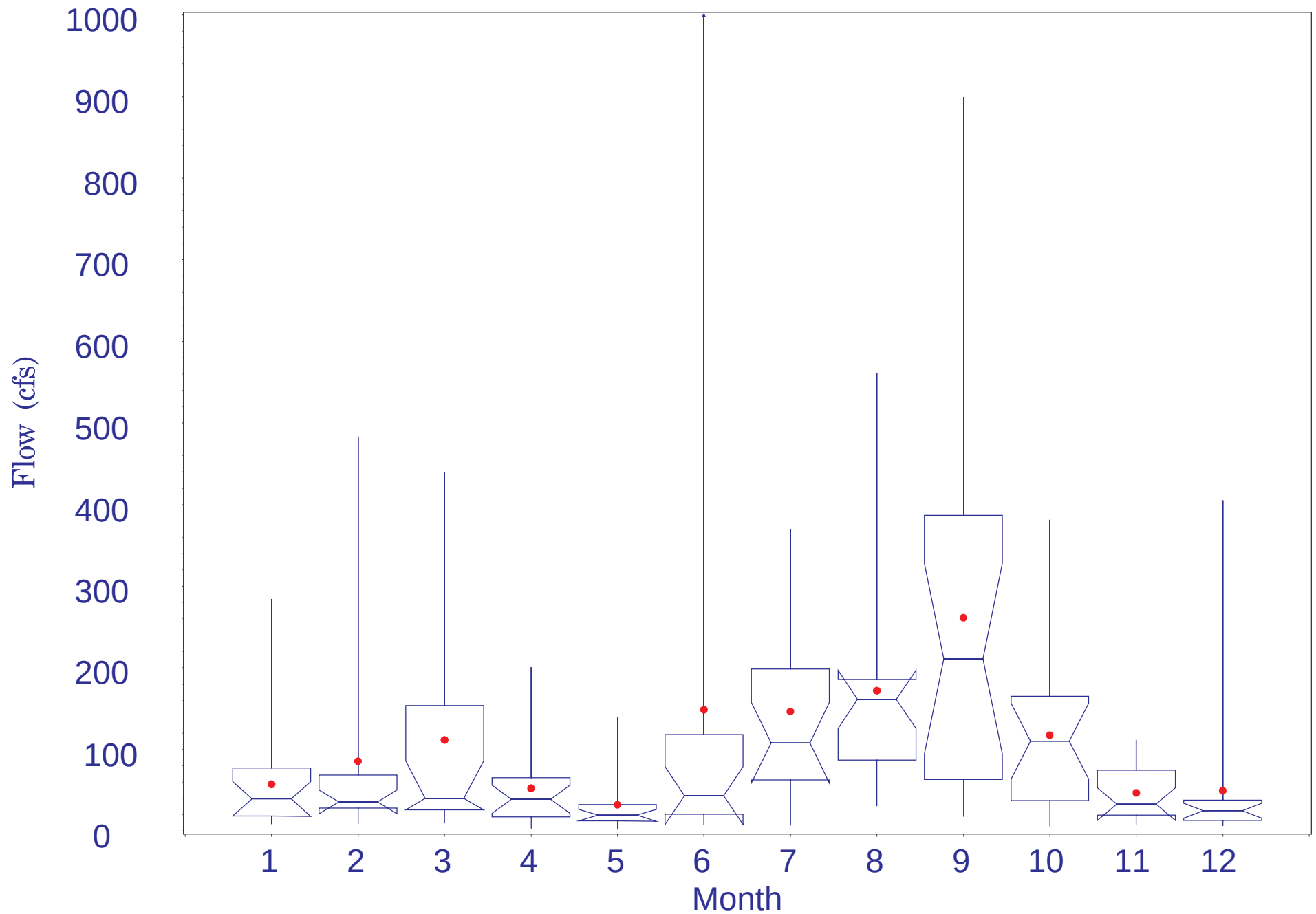
Joshua Creek Flow - 1980-1998

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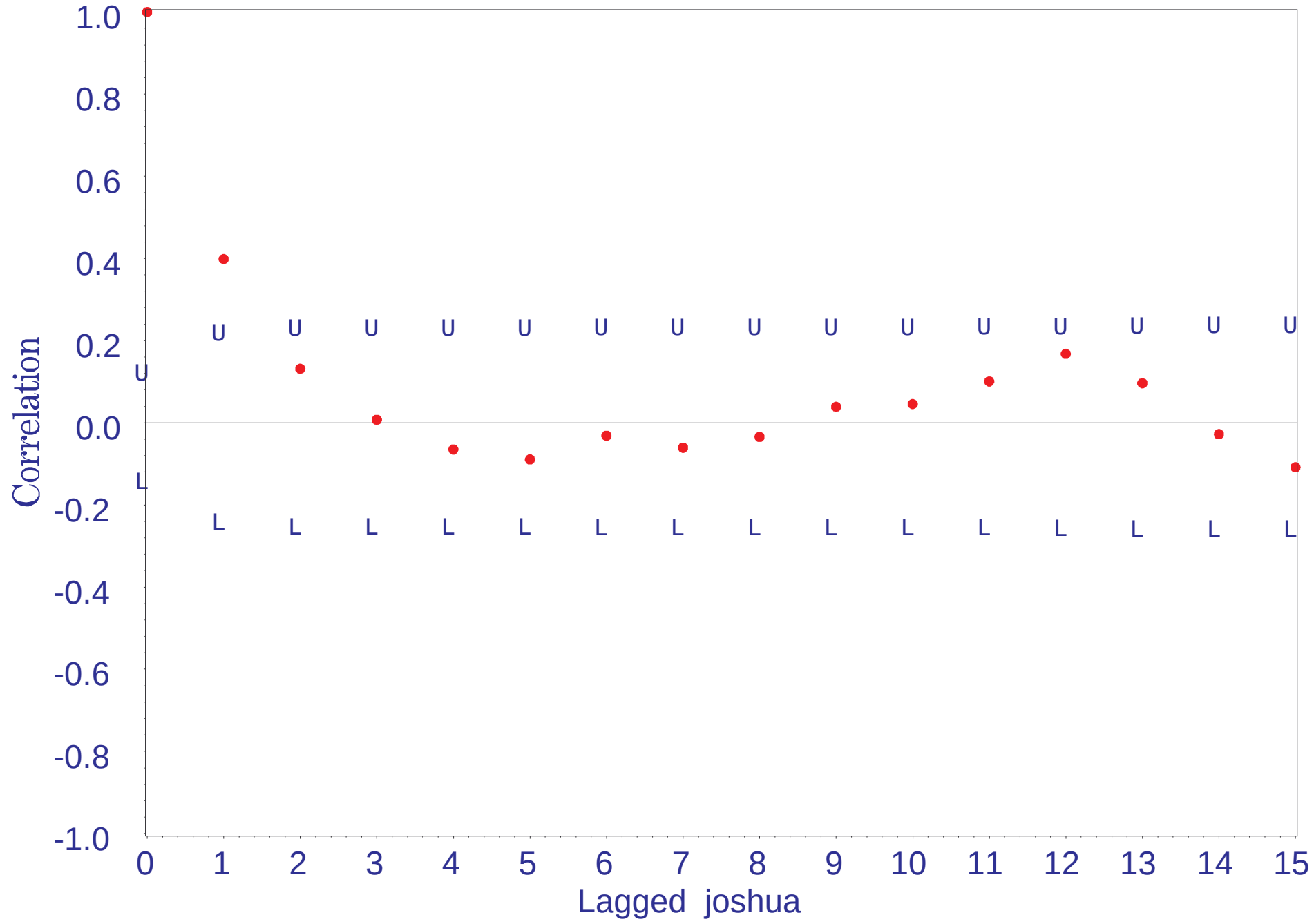


Joshua Creek 1980-1998
Monthly Boxplots

C-56

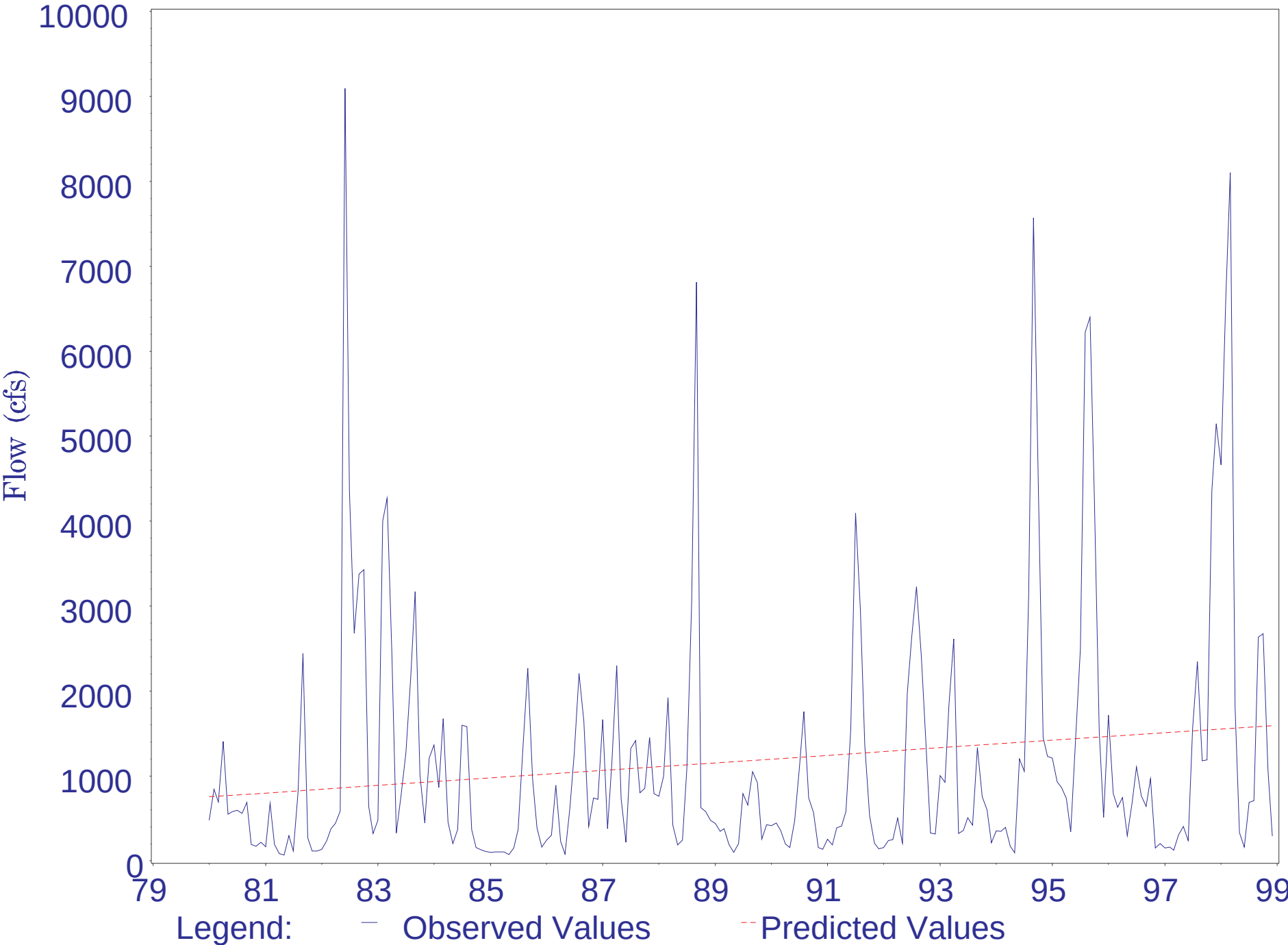


Joshua Creek Flow (cfs) **1980-1998**
Correlogram with Upper and Lower 95% Confidence Limits **C-57**



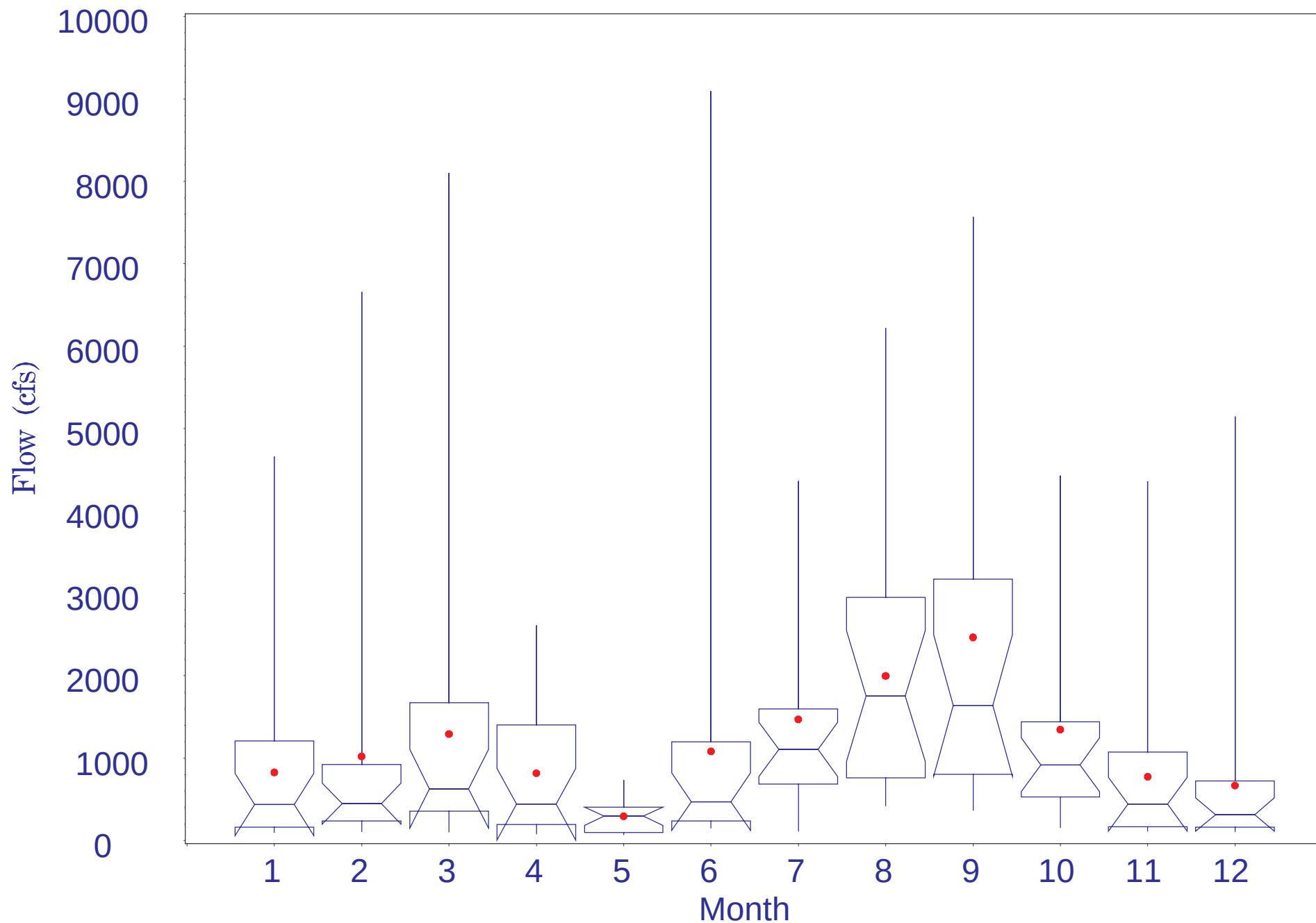
River Flow at Treatment Facility - 1980-1998

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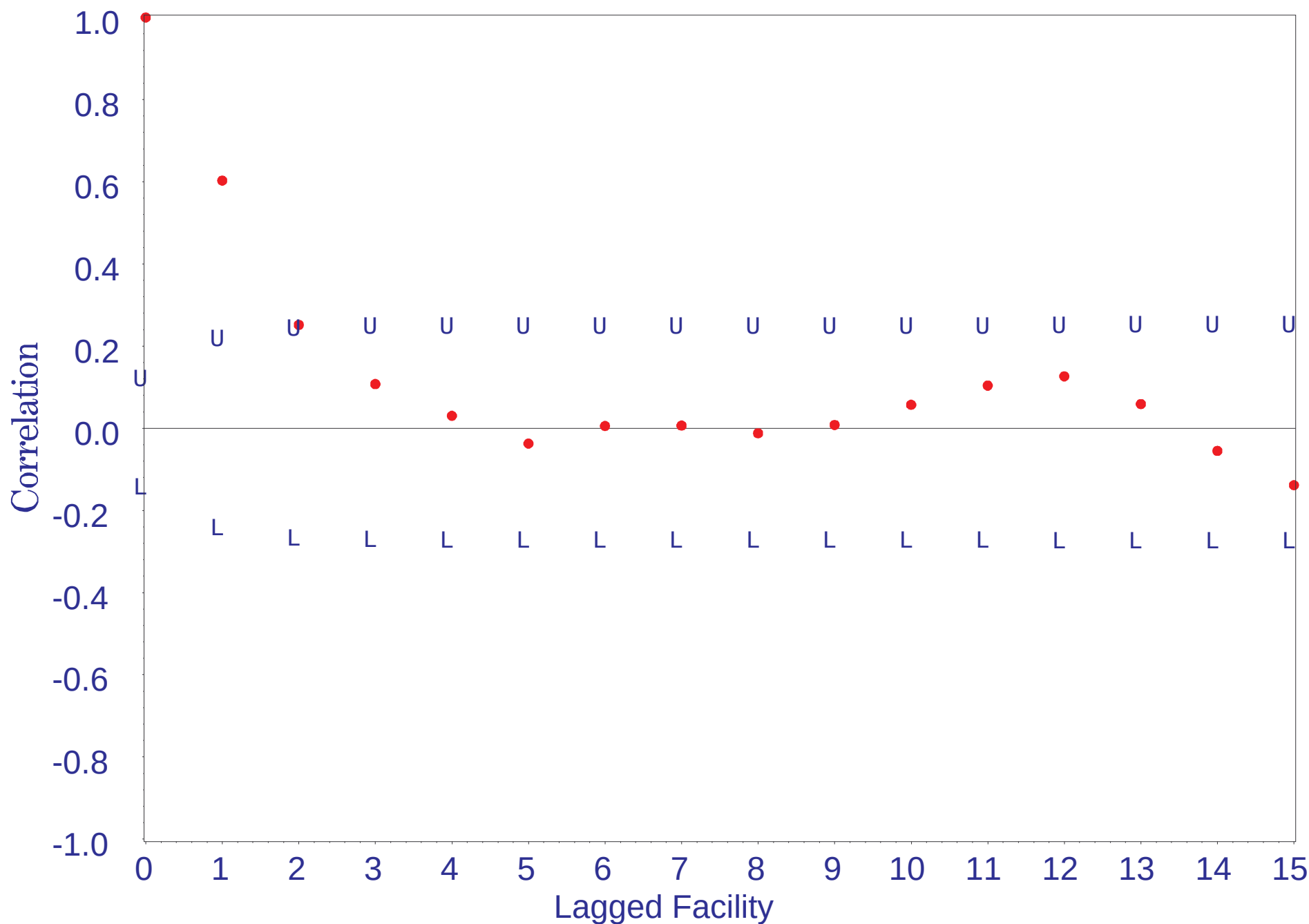
River Flow at Treatment Facility 1980-1998 Monthly Boxplots

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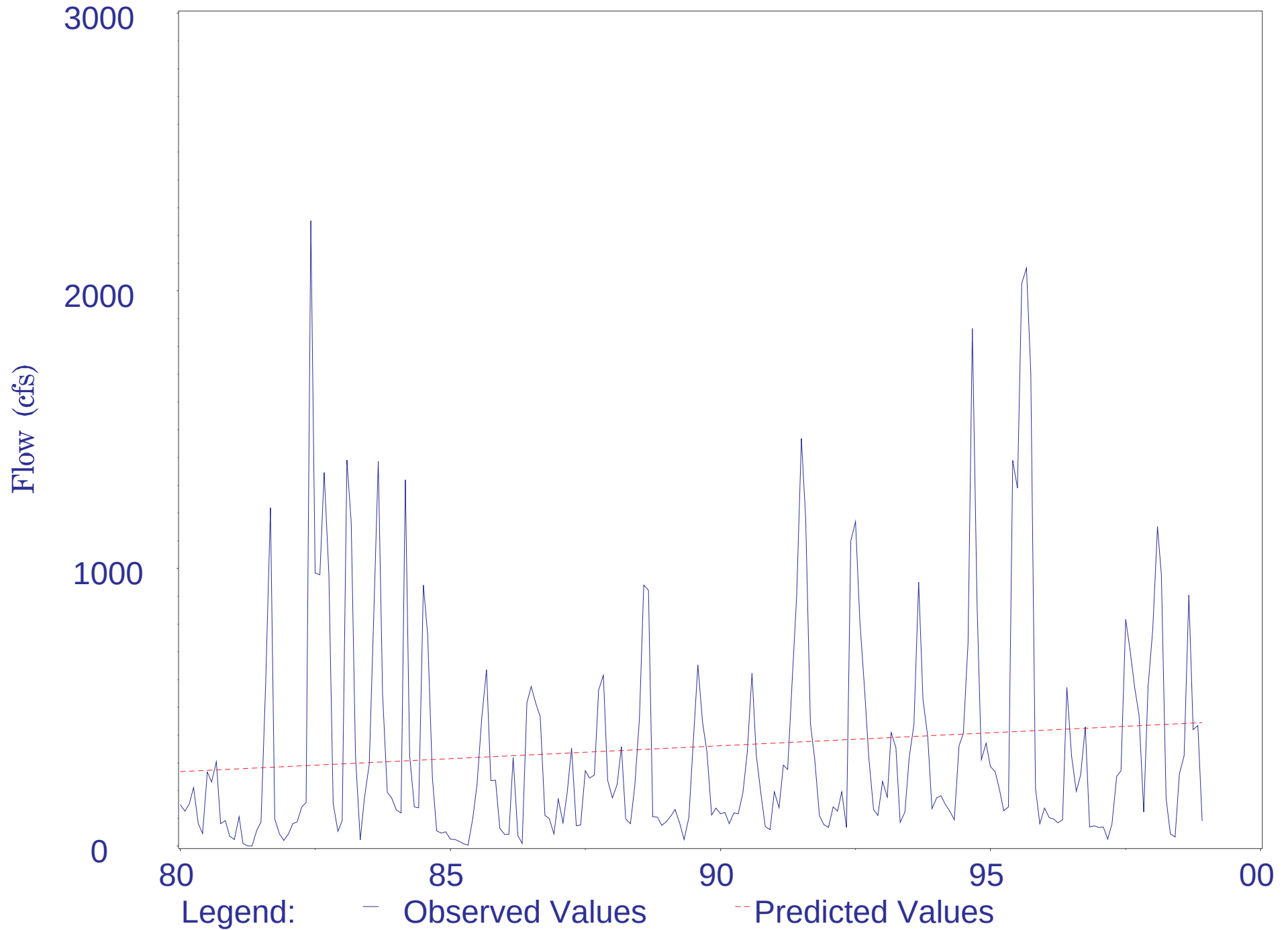
River Flow at Treatment Facility (cfs) 1980-1998
Correlogram with Upper and Lower 95% Confidence Limits

C-60



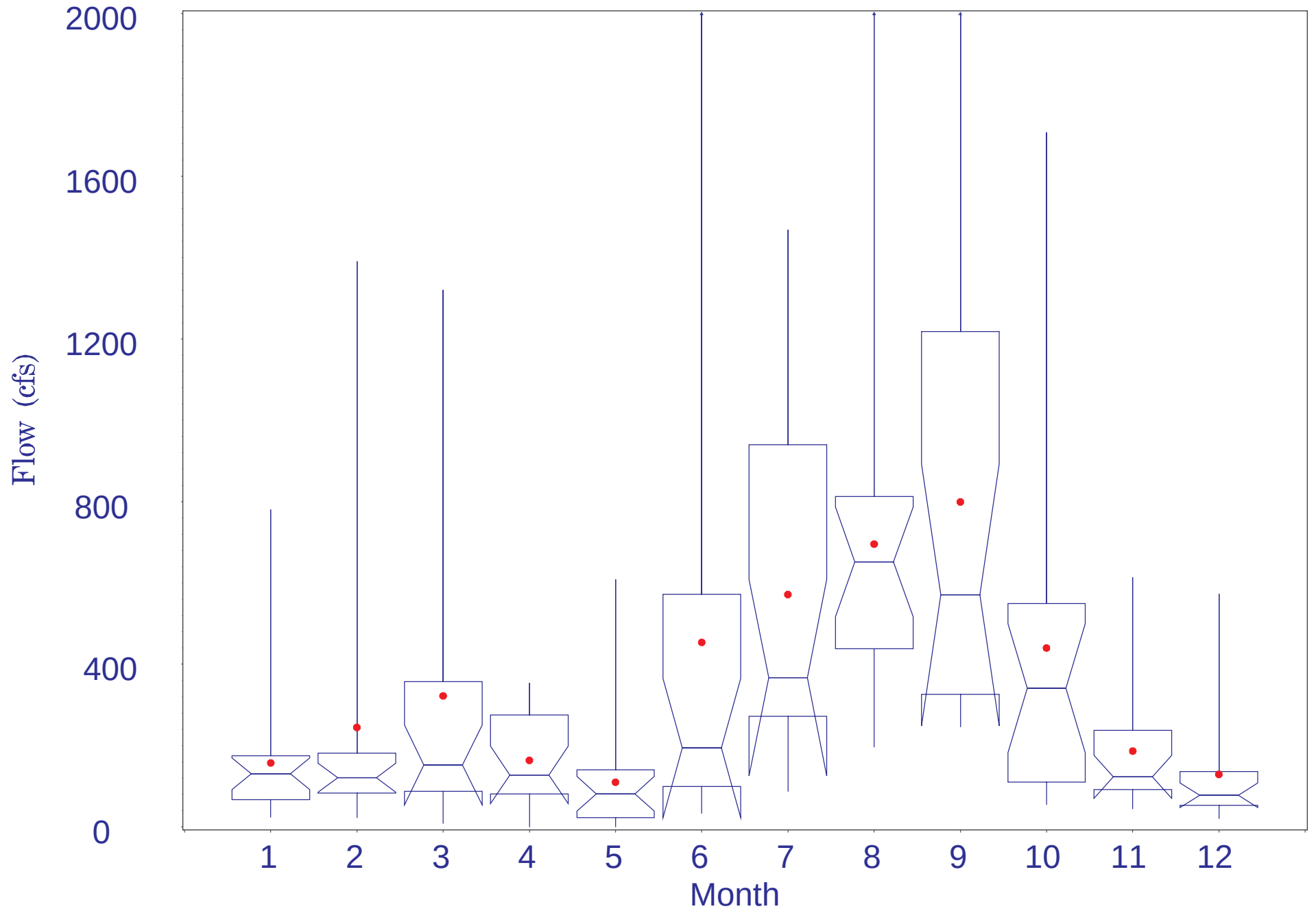
Shell Creek Flow - 1980-1998

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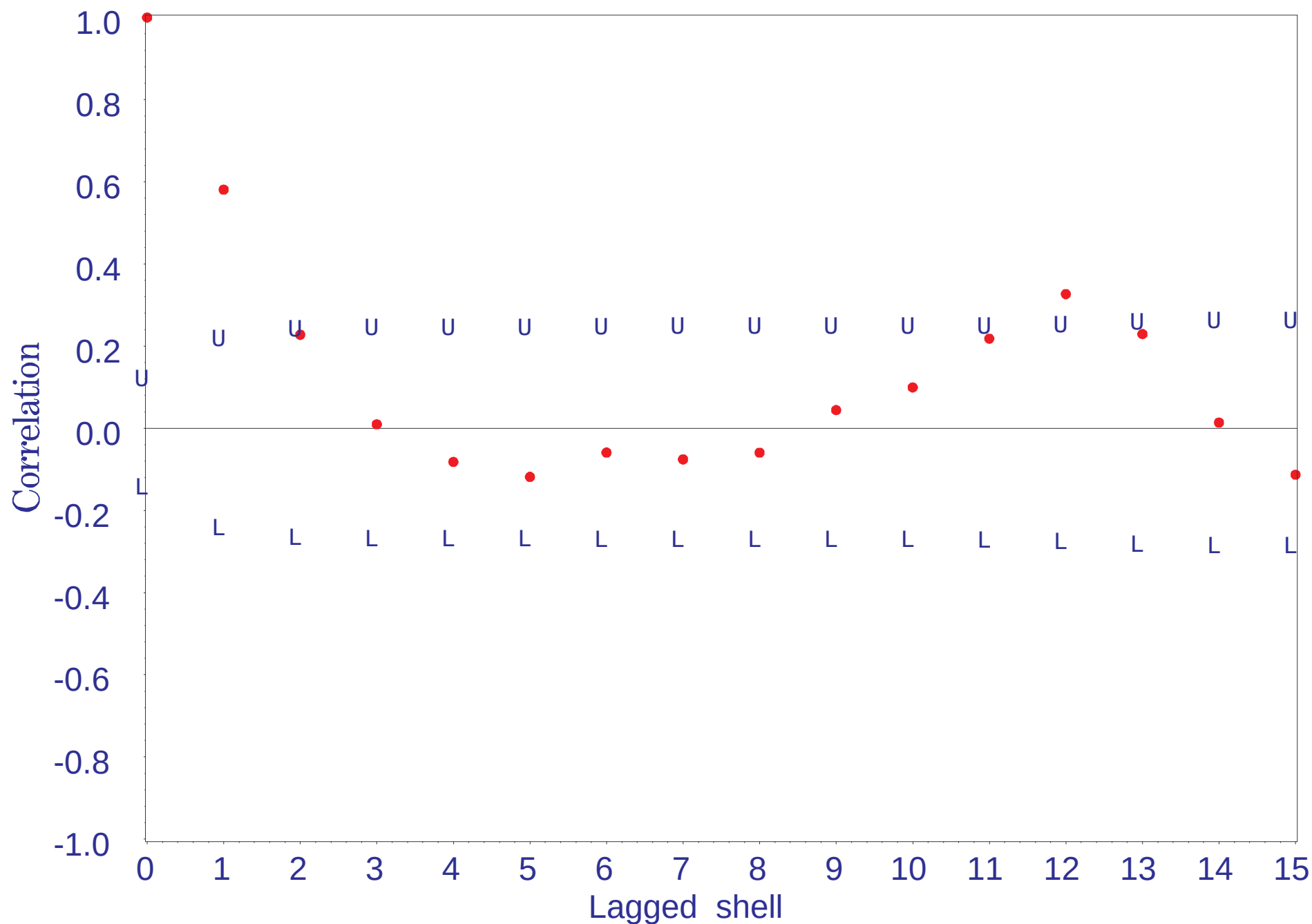
Shell Creek 1980-1998
Monthly Boxplots

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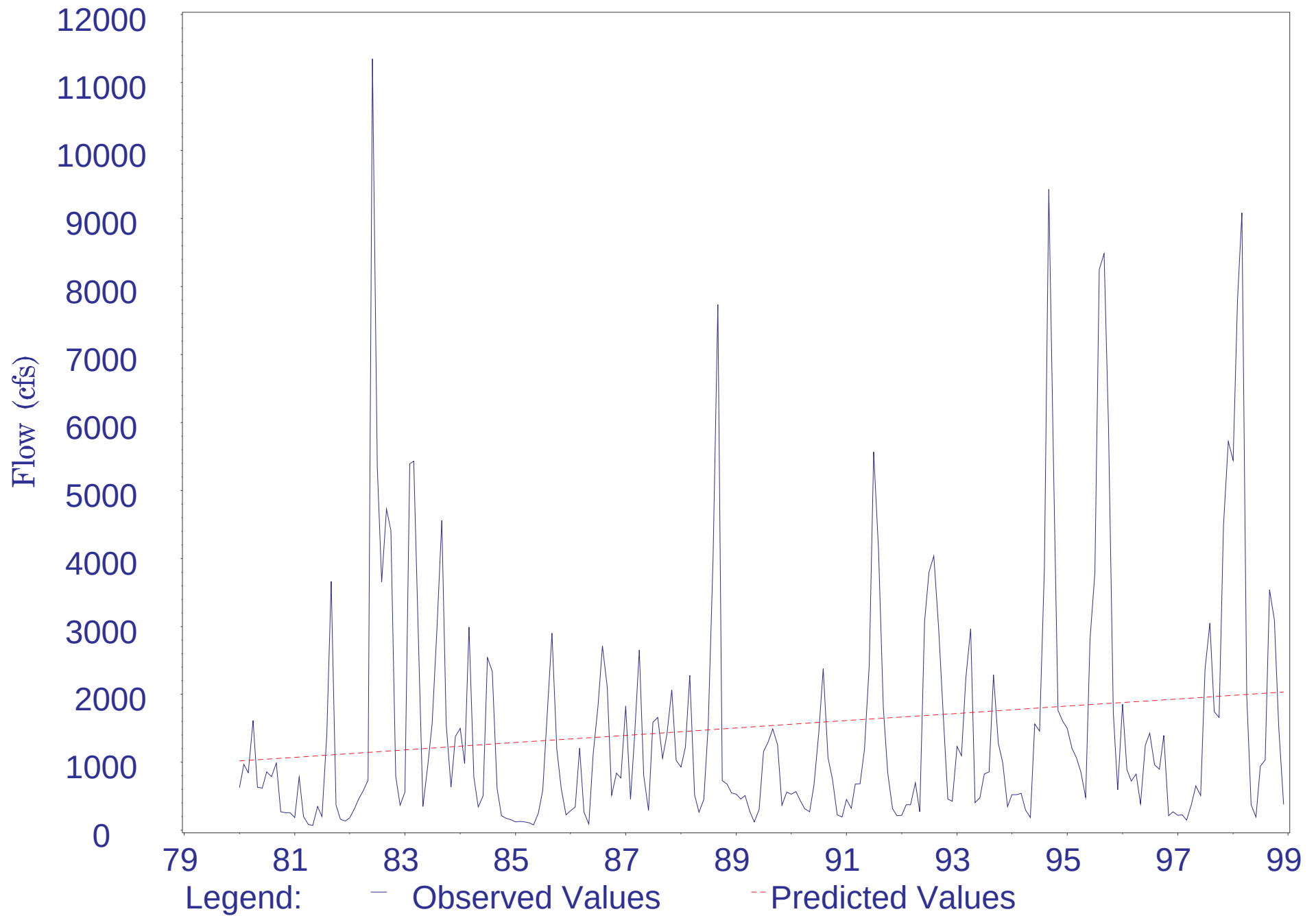
Shell Creek Flow (cfs) 1980-1998
Correlogram with Upper and Lower 95% Confidence Limits

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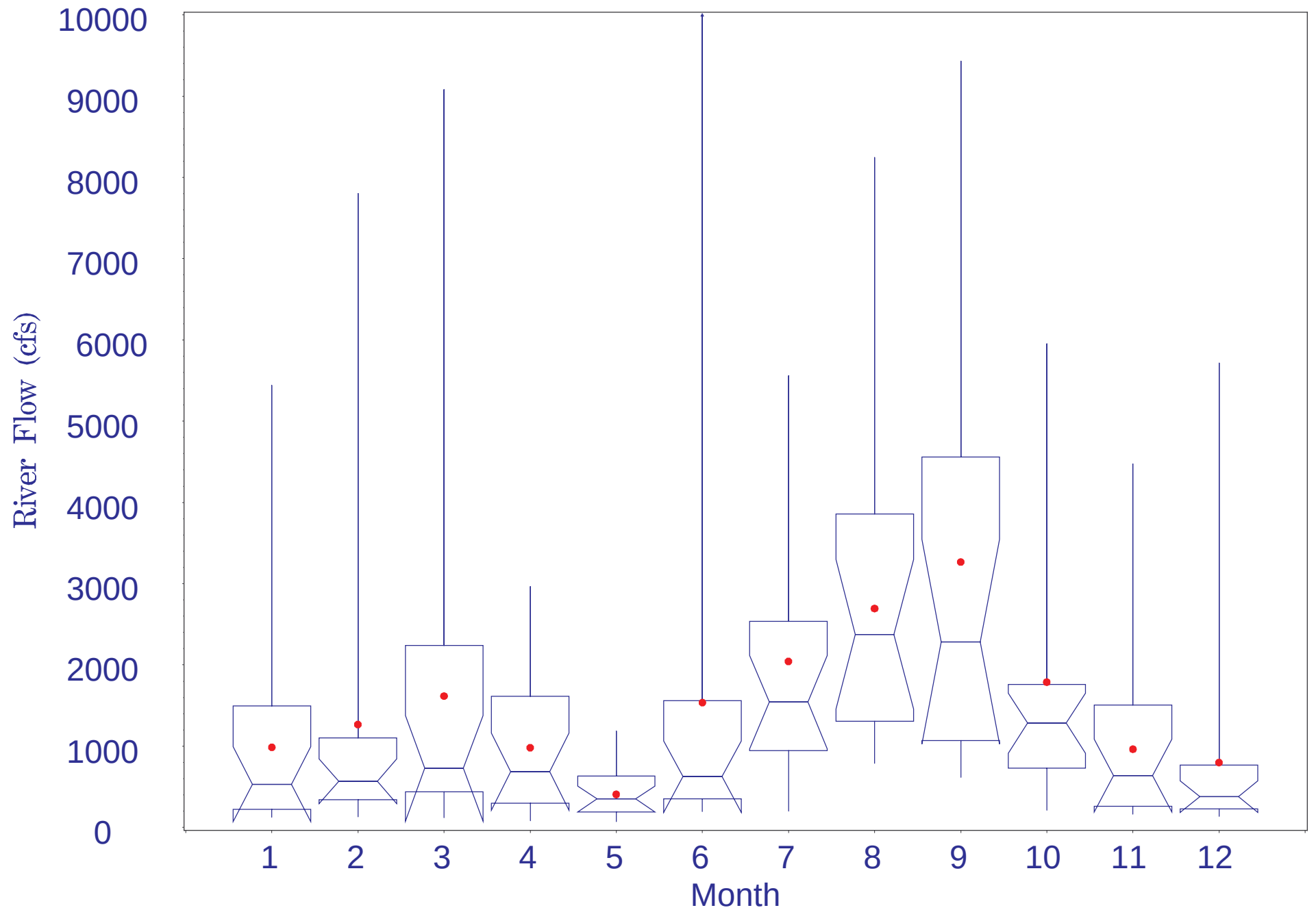
River Flow (cfs) at US 41 Bridge
1980-1998

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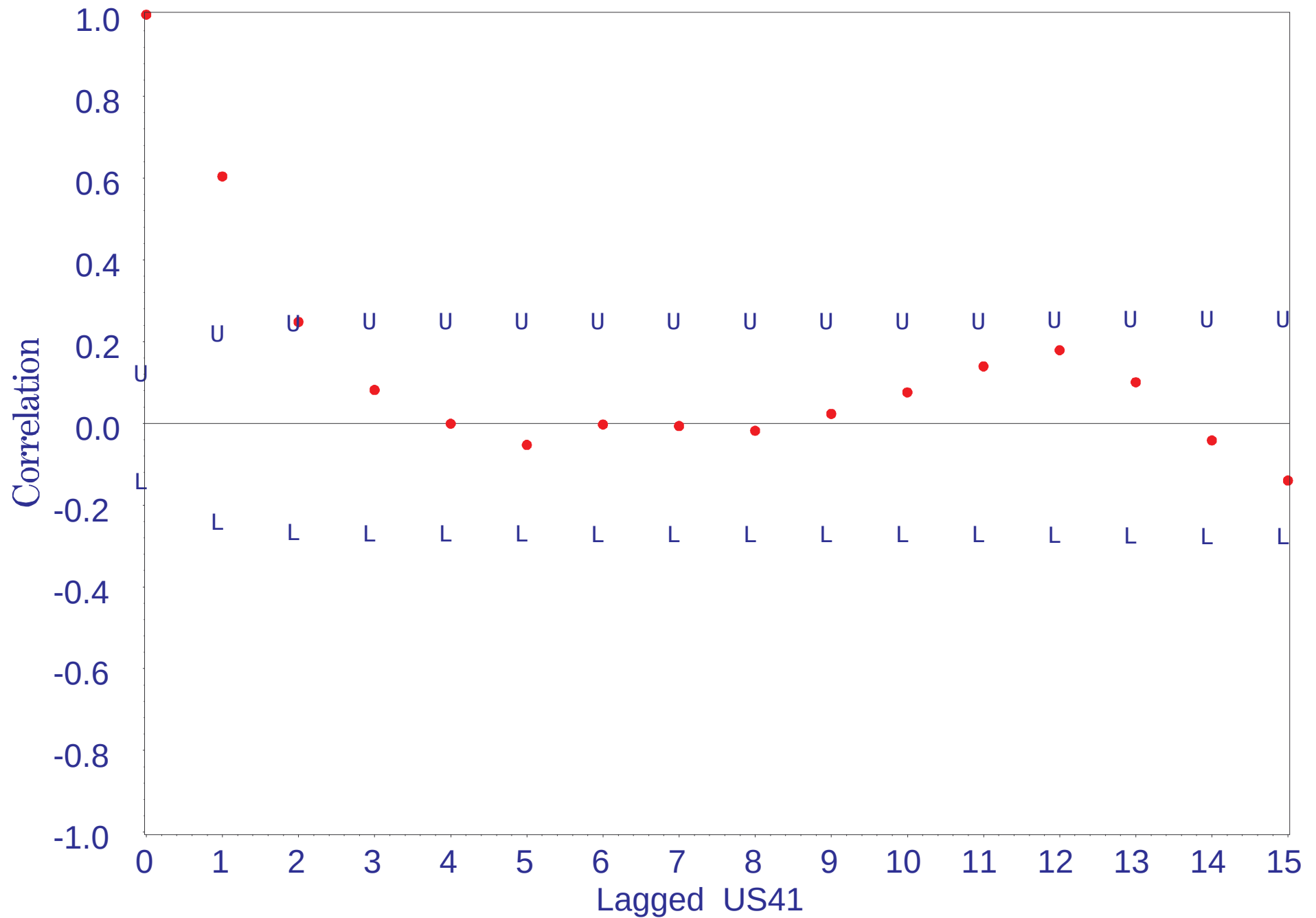
Monthly Boxplots for River Flow at US 41 Bridge 1980-1998

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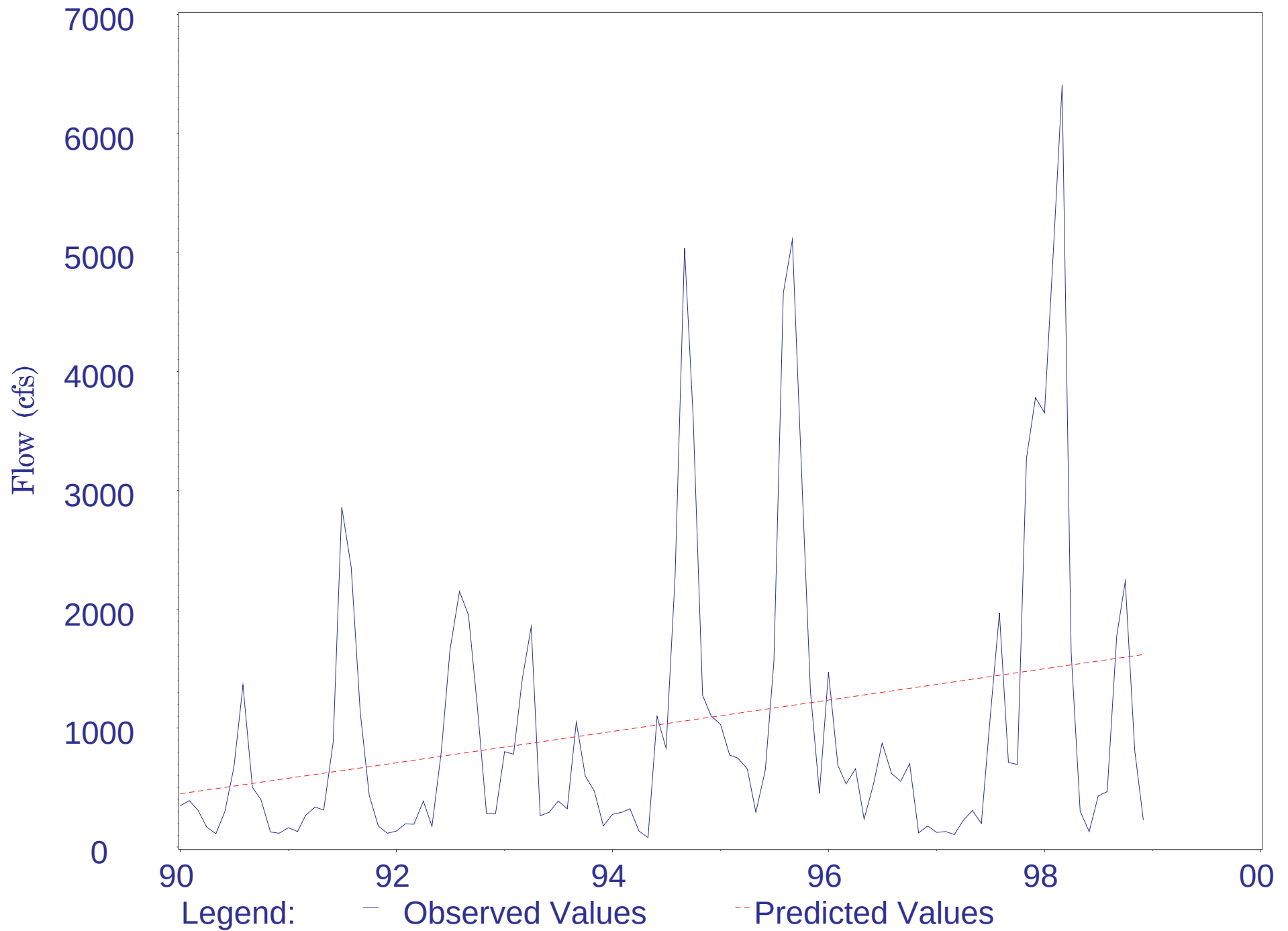
River Flow at US 41 Bridge 1980-1998
Correlogram with Upper and Lower 95% Confidence Limits

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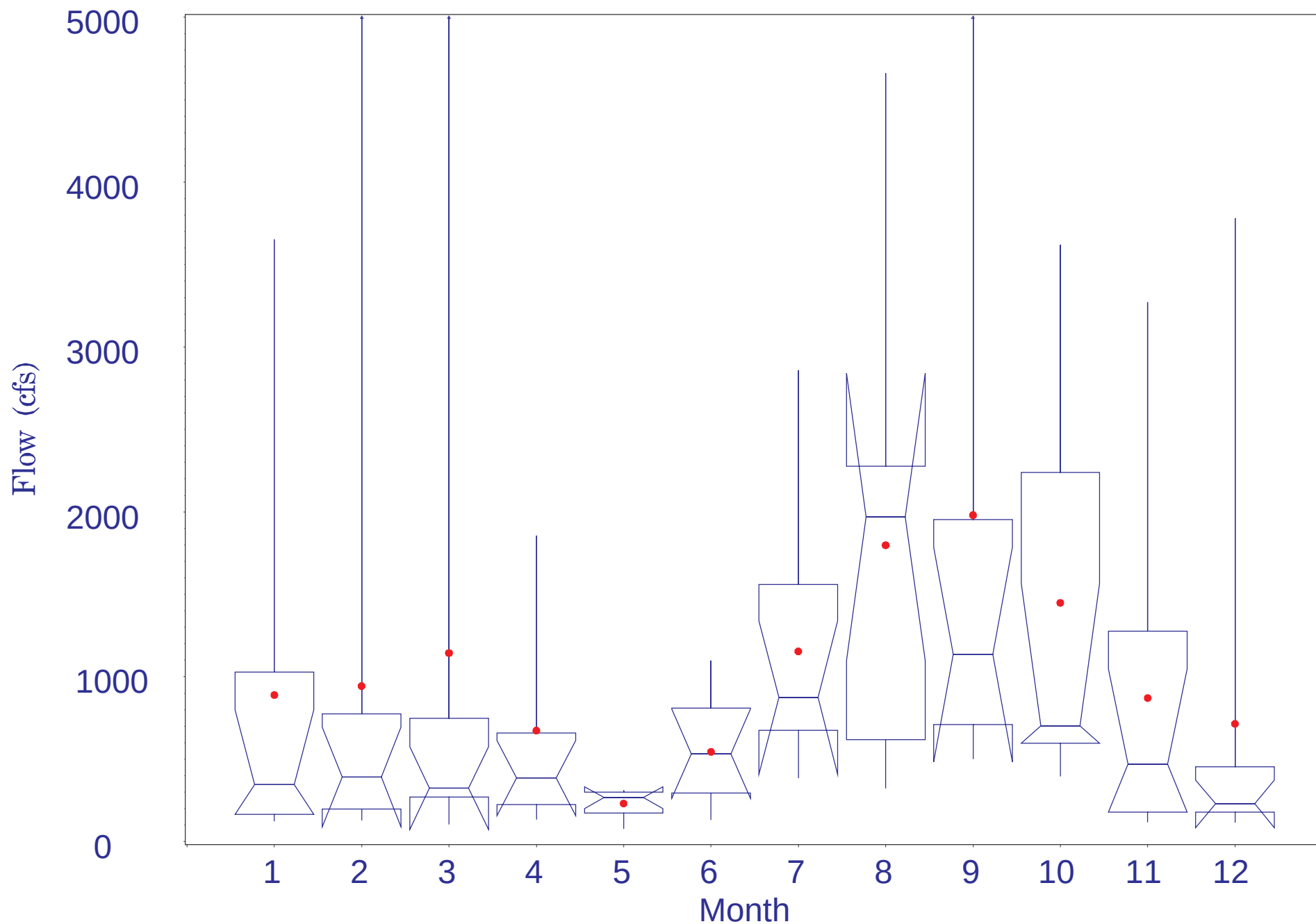
Peace River at Arcadia Flow - 1990-1998

C-67



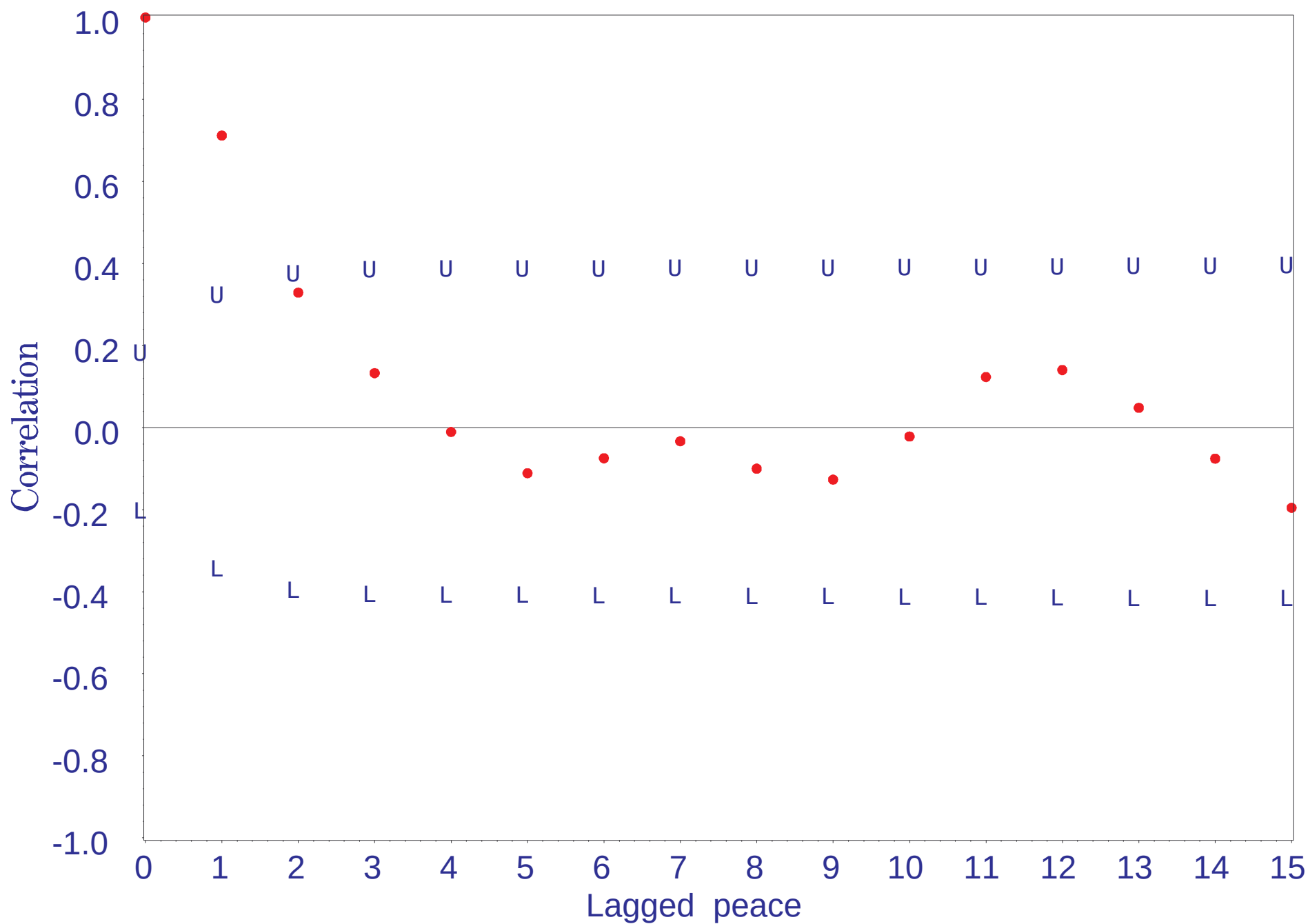
Peace River at Arcadia 1990-1998
Monthly Boxplots

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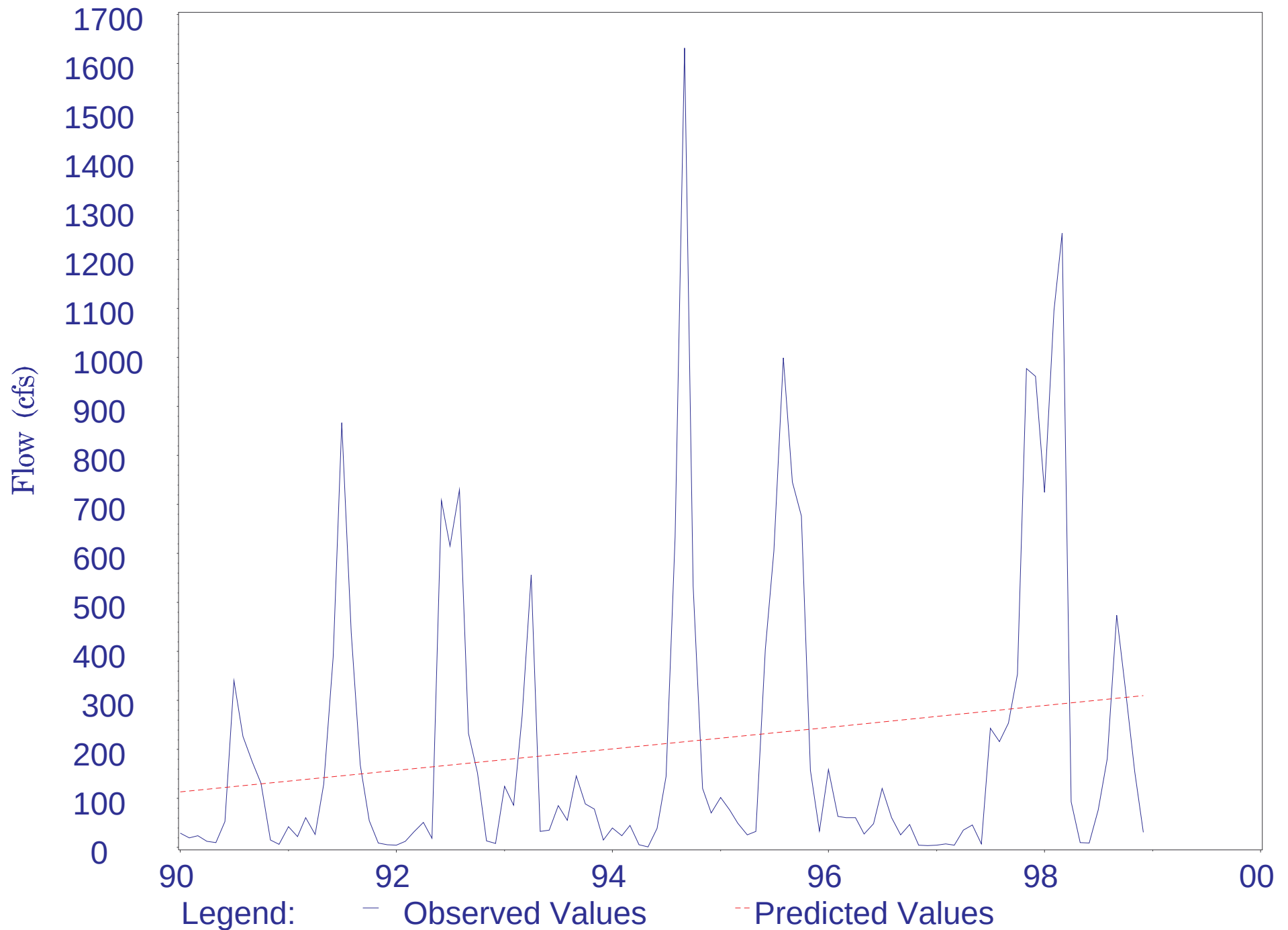
Peace River Flow at Archadia 1990-1998
Correlogram with Upper and Lower 95% Confidence Limits

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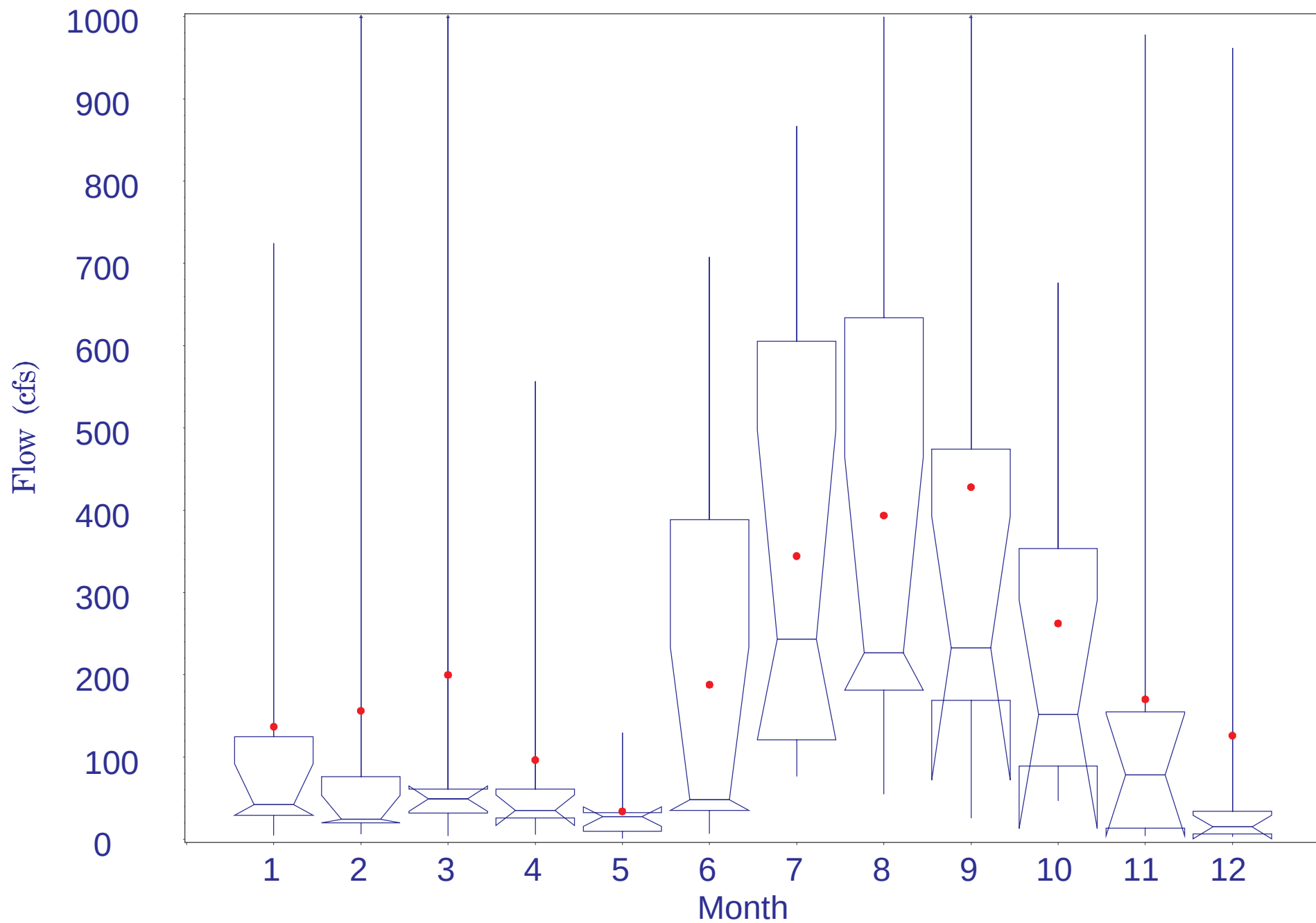
Horse Creek Flow - 1990-1998

C-70



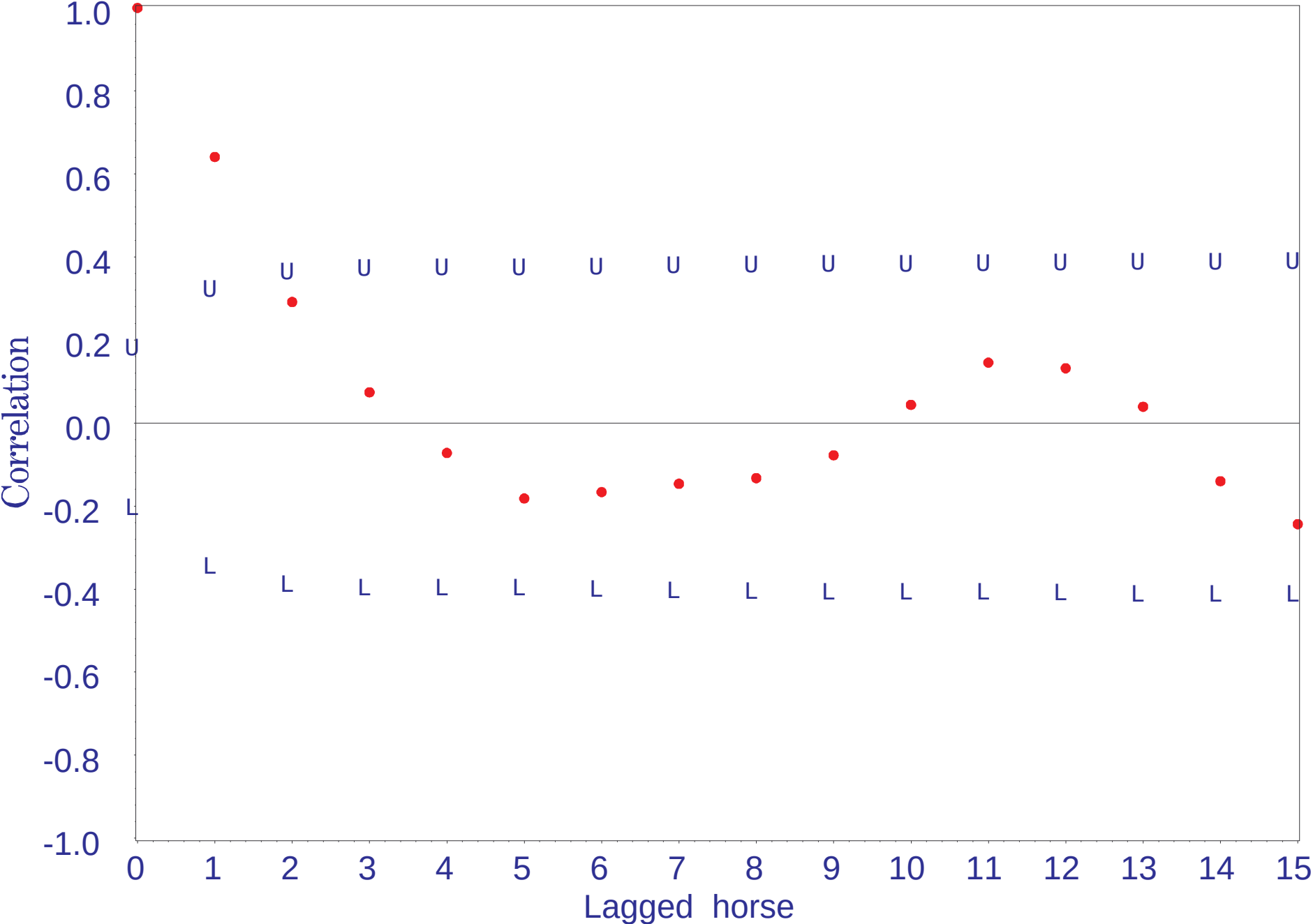
Horse Creek 1990-1998 Monthly Boxplots

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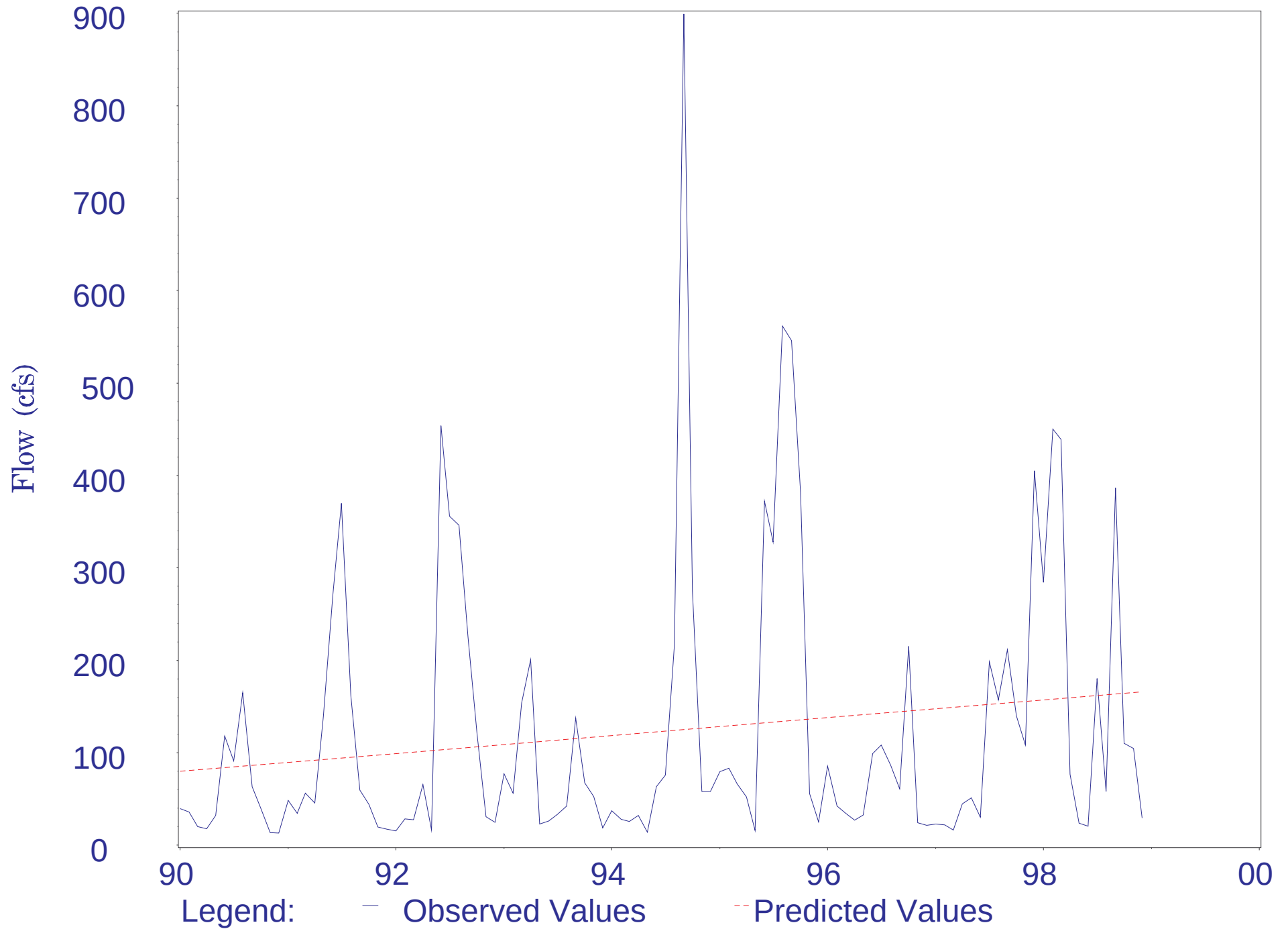
Horse Creek Flow (cfs) 1990-1998
Correlogram with Upper and Lower 95% Confidence Limits

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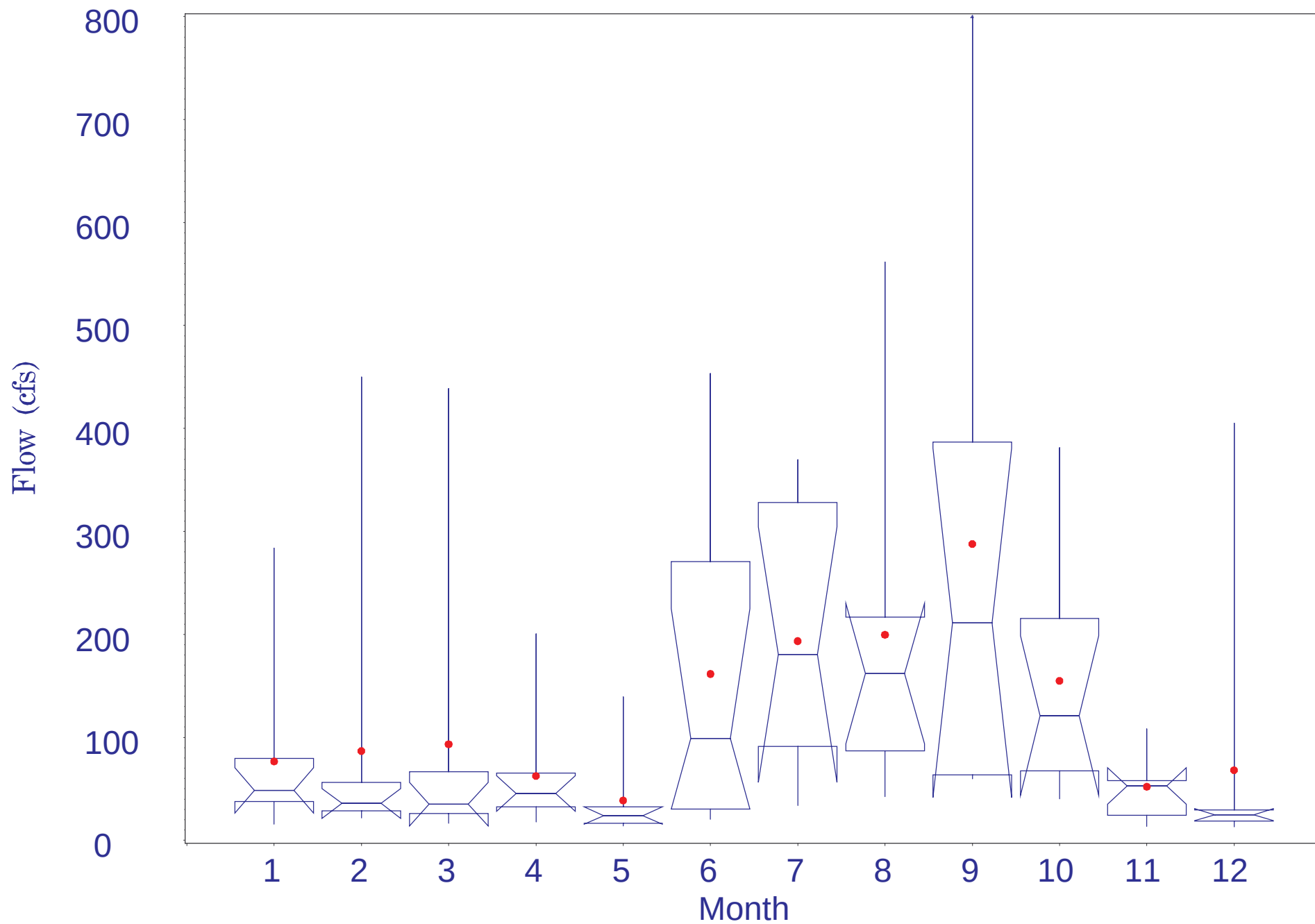
Joshua Creek Flow - 1990-1998

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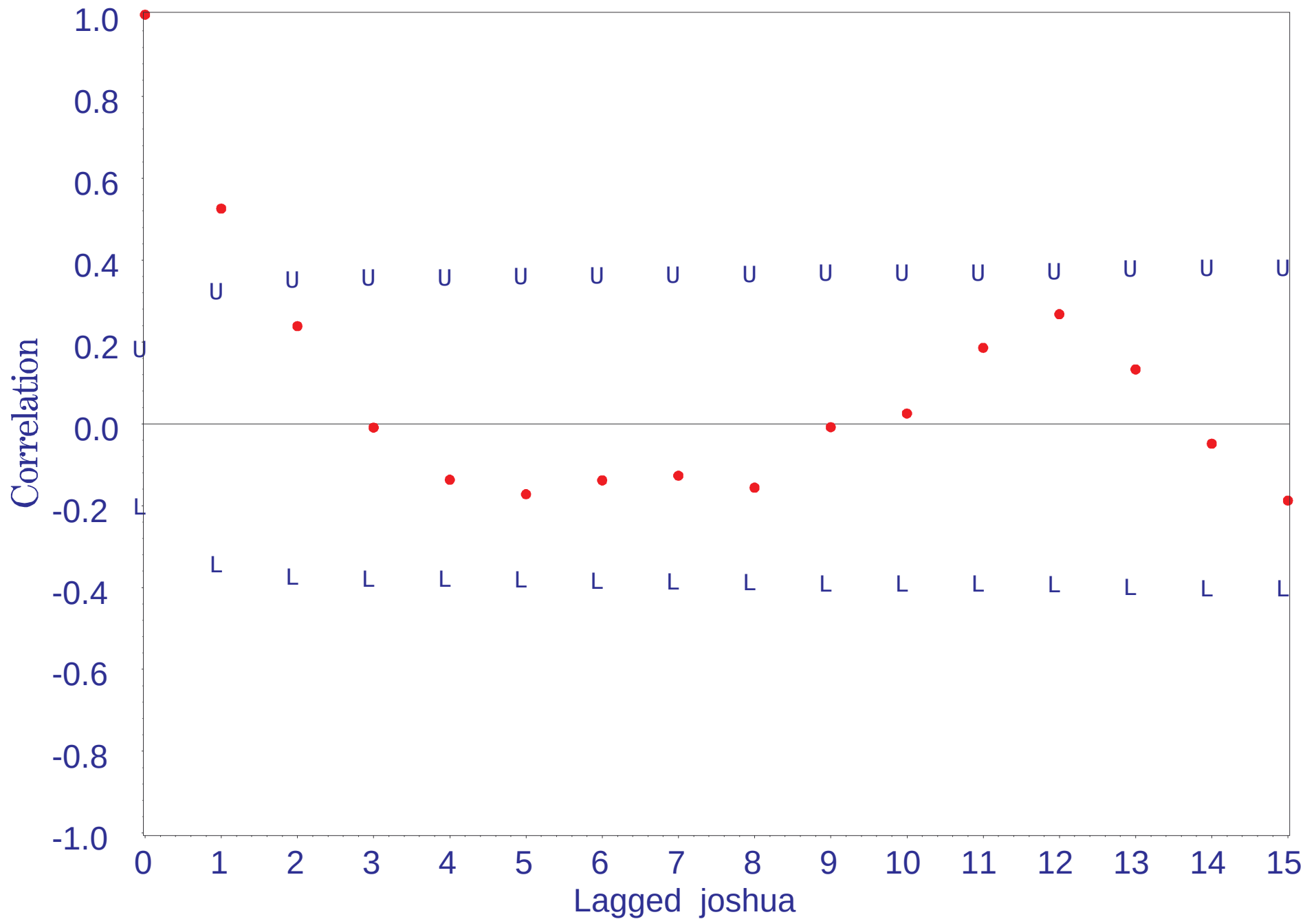
Joshua Creek Flow 1990-1998 Monthly Boxplots

C-74



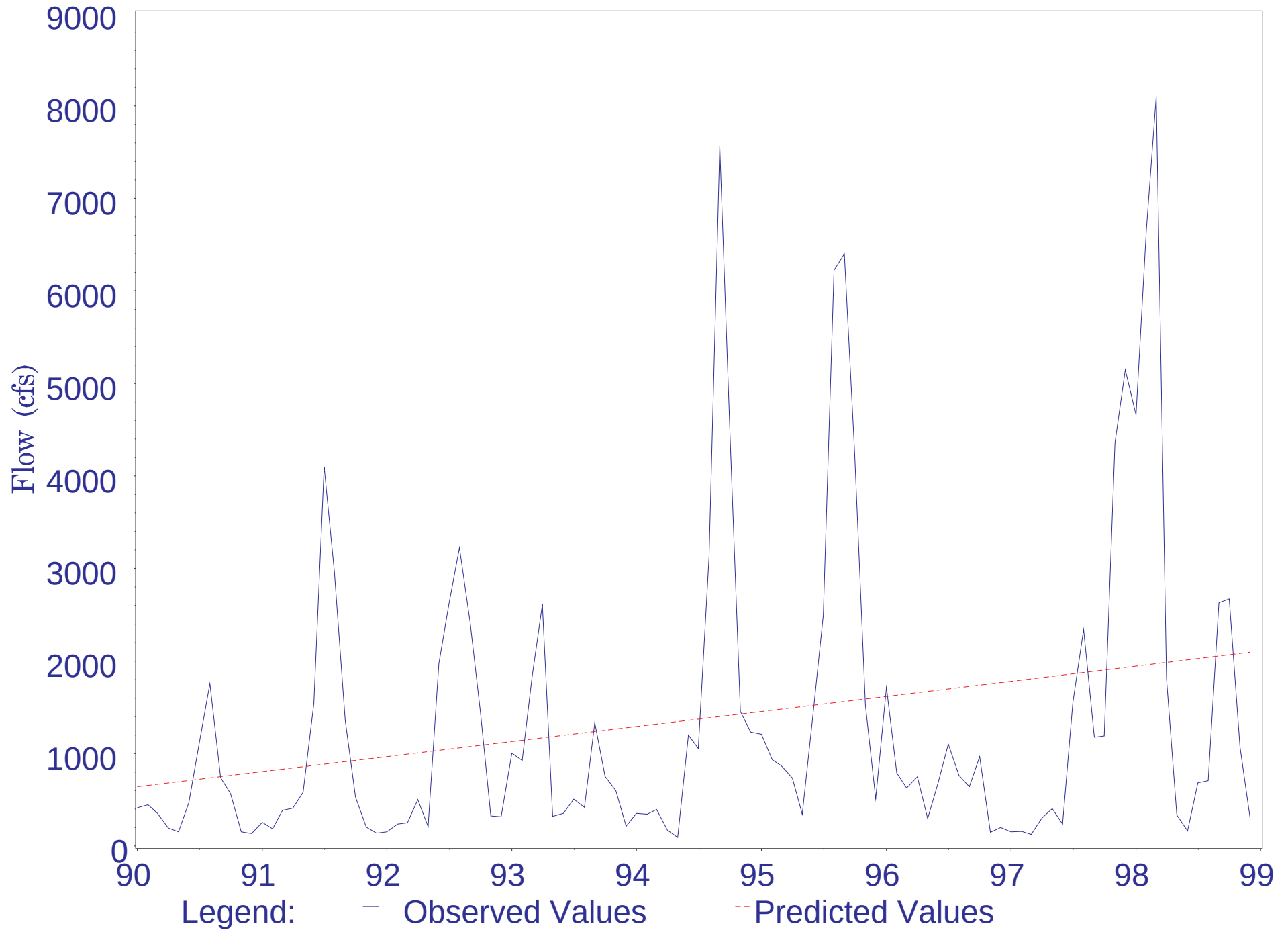
Joshua Creek Flow (cfs) 1990-1998
Correlogram with Upper and Lower 95% Confidence Limits

C-75



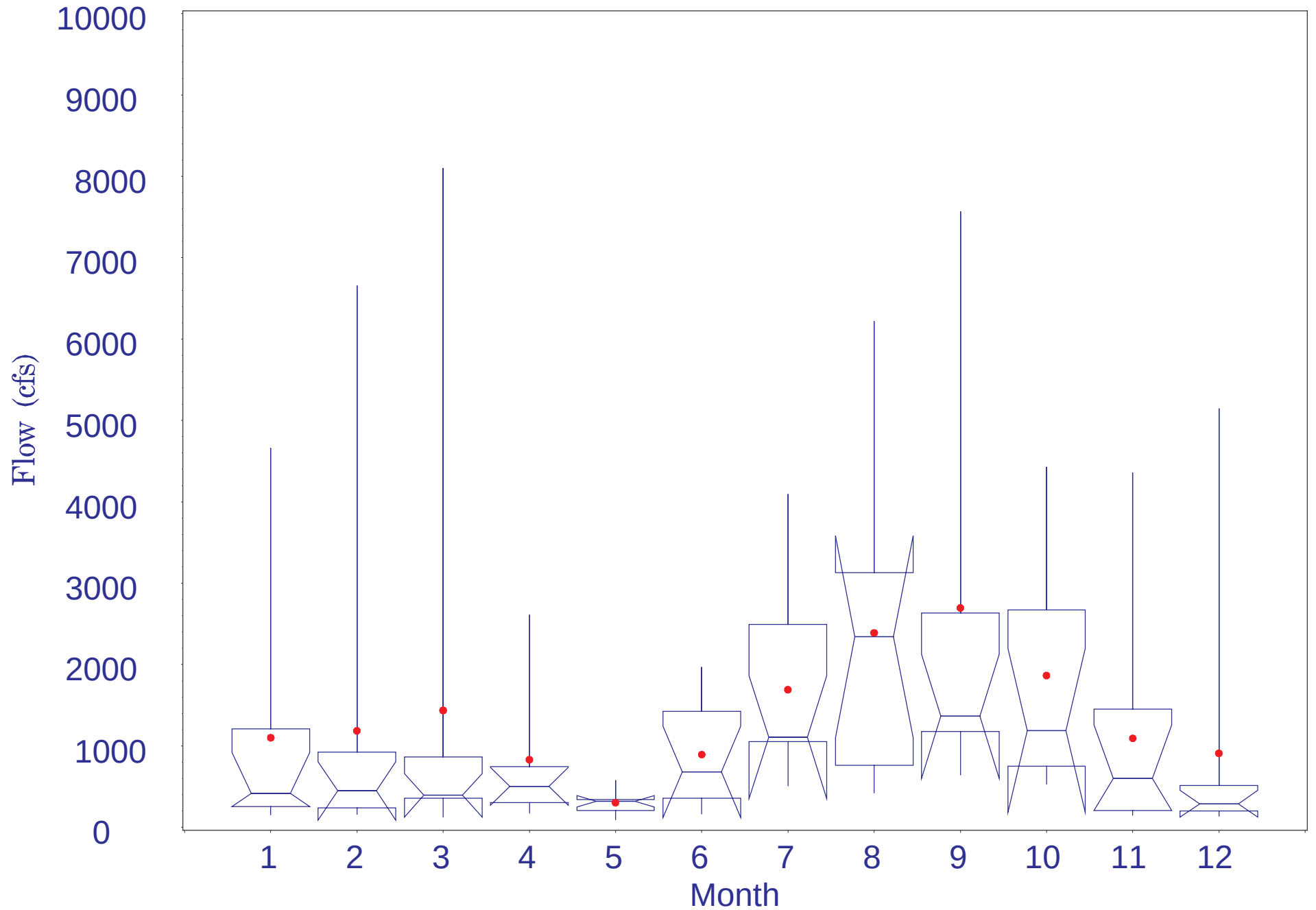
River Flow at Treatment Facility - 1990-1998

C-76



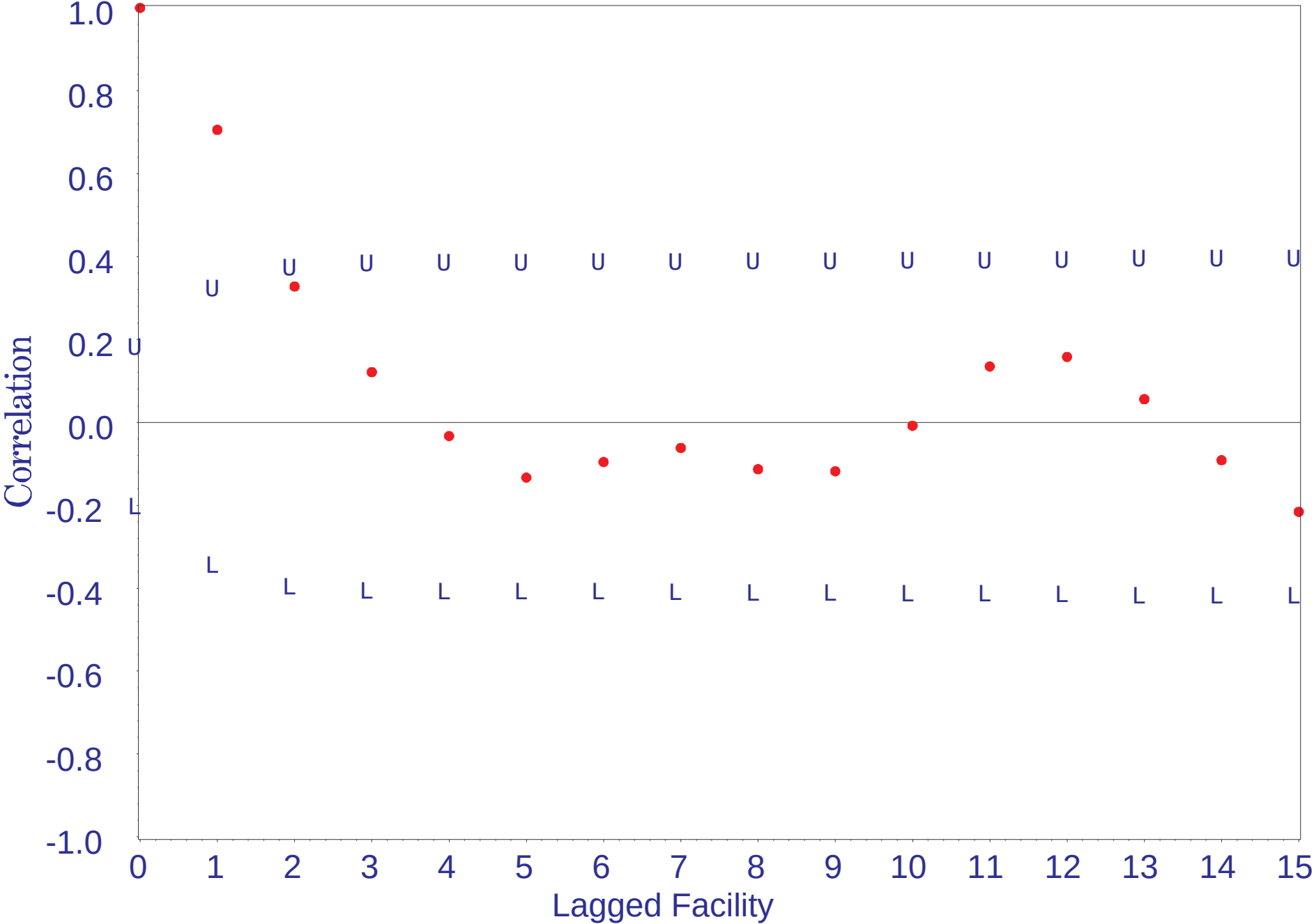
River Flow at Treatment Facility 1990-1998 Monthly Boxplots

C-77



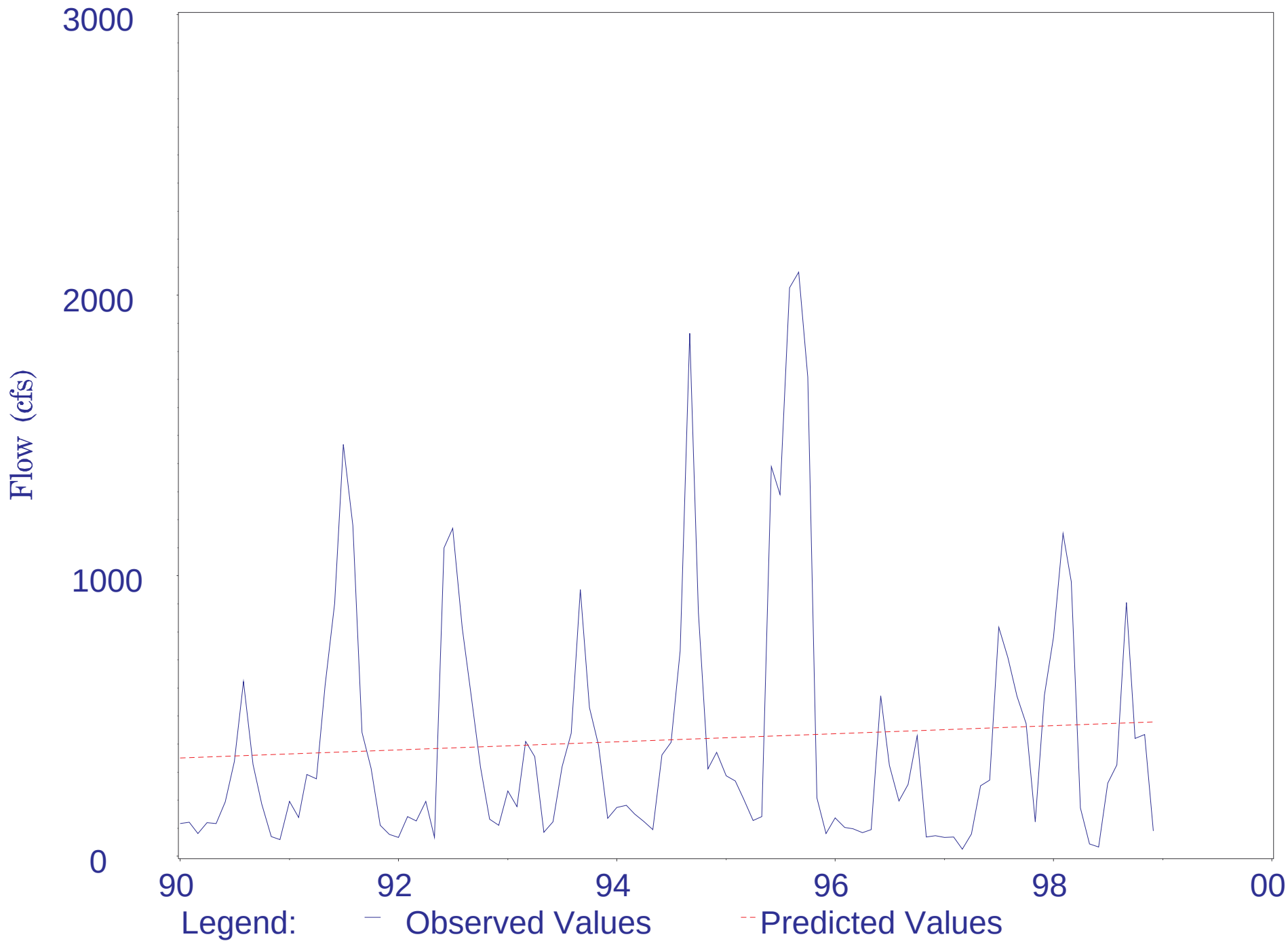
River Flow at Treatment Facility (cfs) 1990-1998
Correlogram with Upper and Lower 95% Confidence Limits

C-78



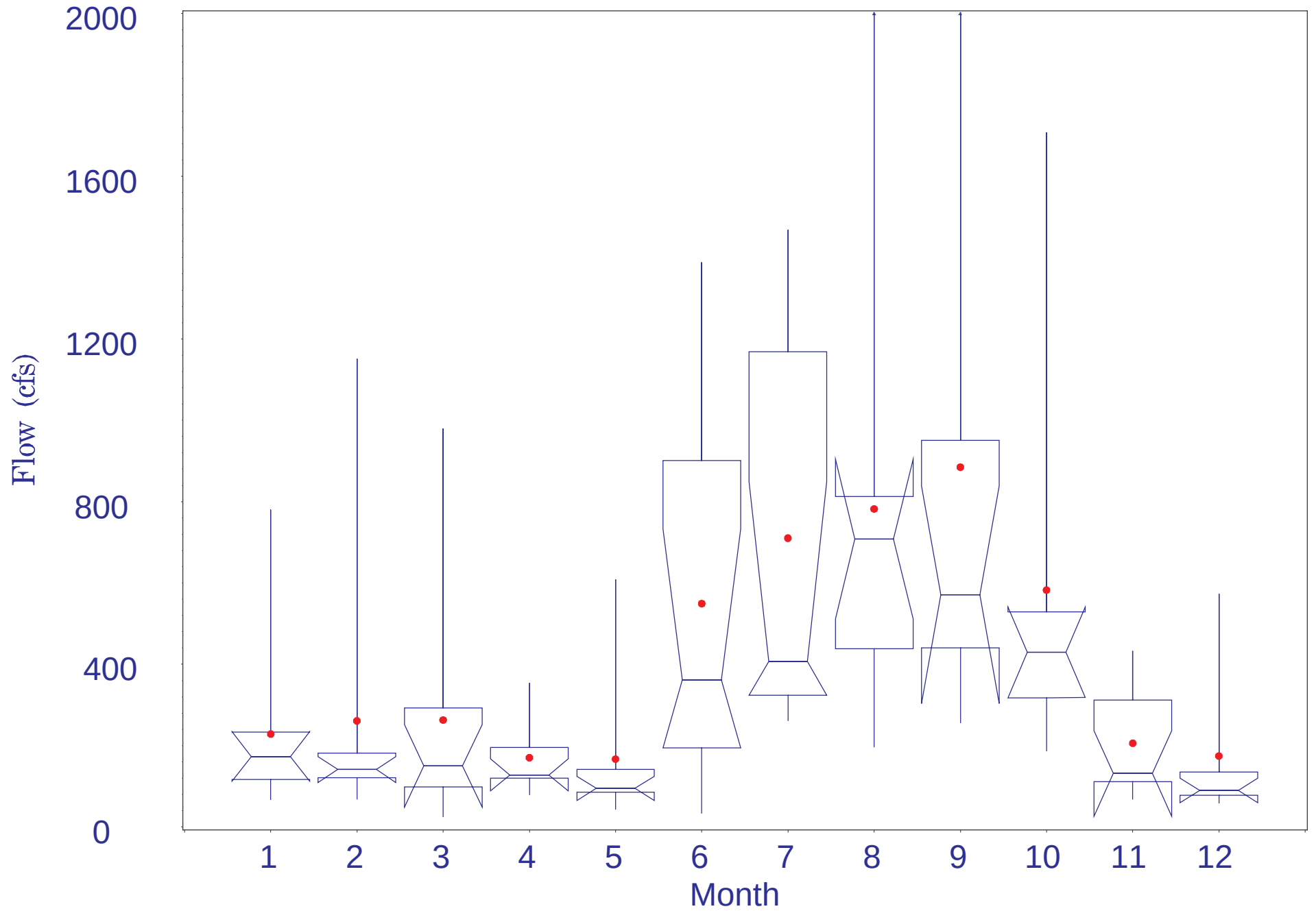
Shell Creek Flow - 1990-1998

C-79



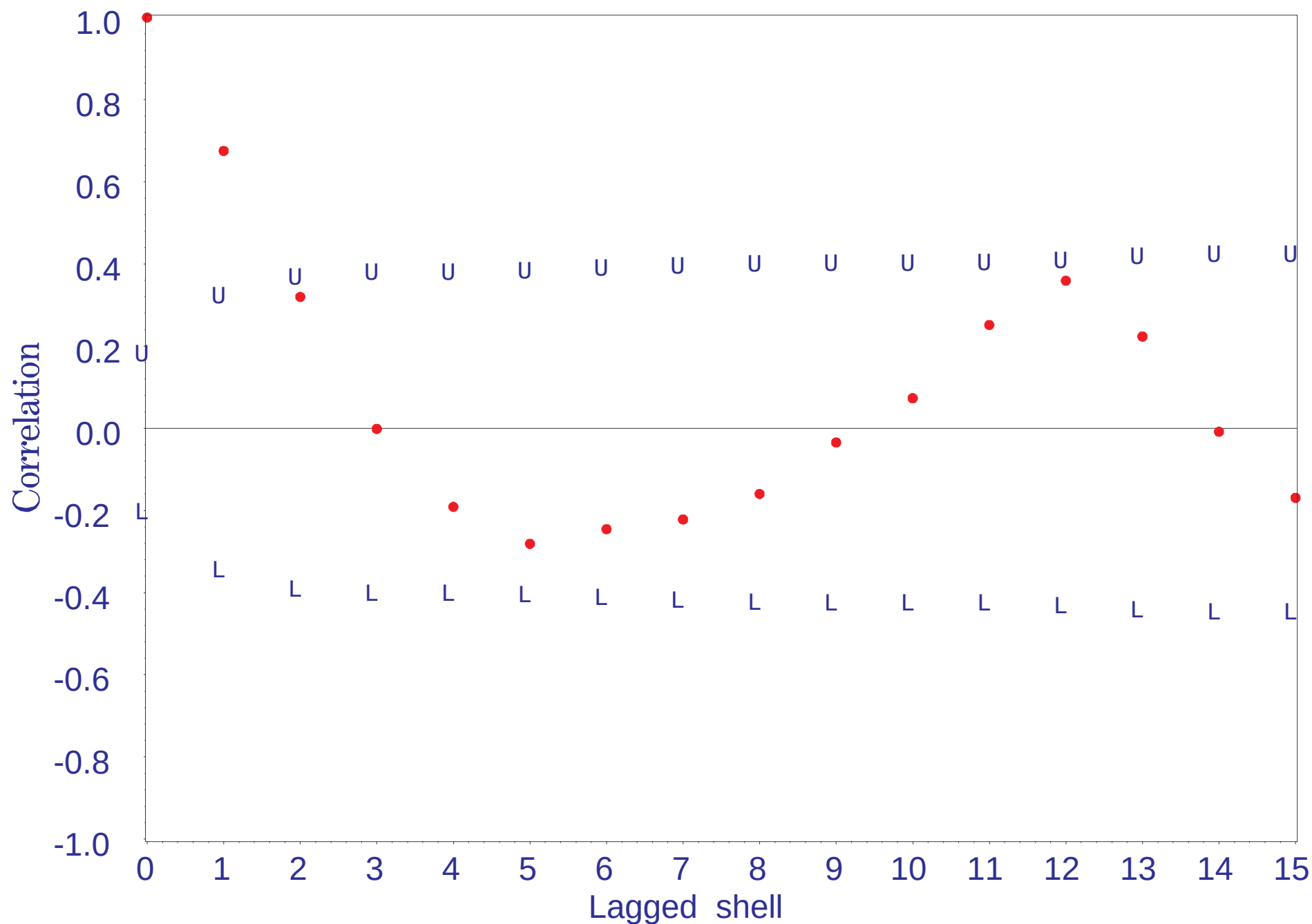
Shell Creek 1990-1998
Monthly Boxplots

C-80



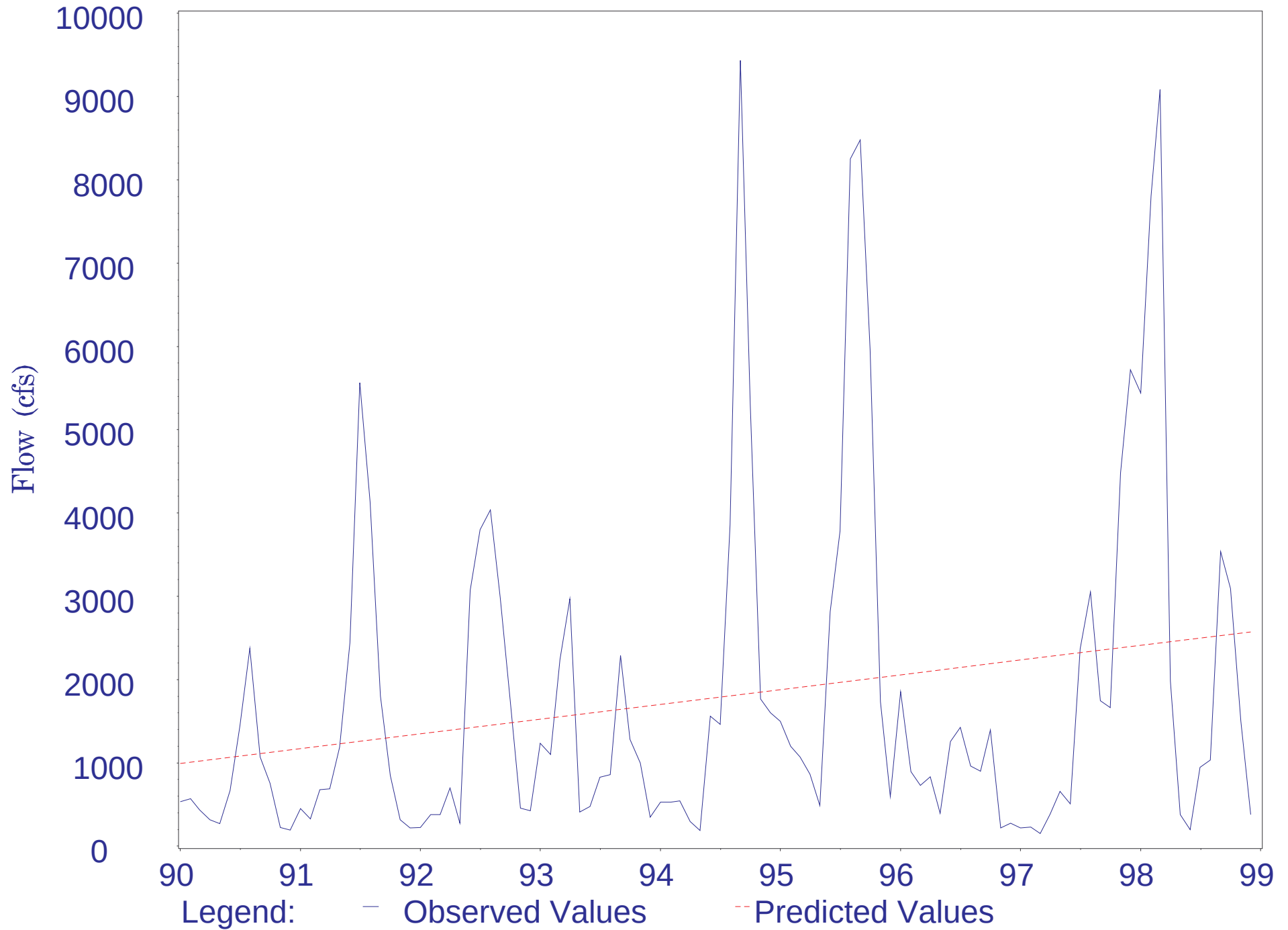
Shell Creek Flow (cfs) 1990-1998
Correlogram with Upper and Lower 95% Confidence Limits

C-81



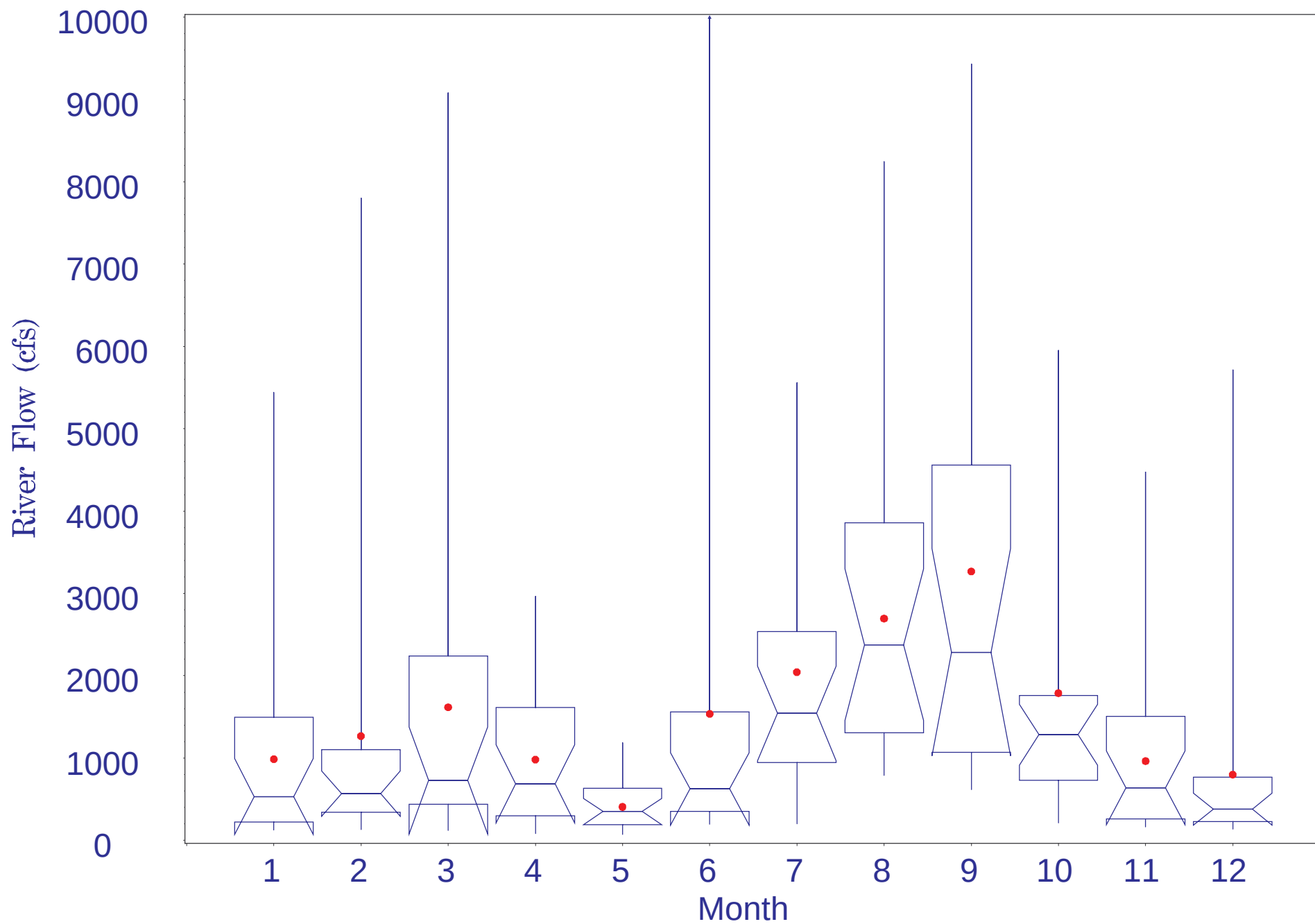
River Flow (cfs)at US 41 Bridge (1990-1998)

C-82



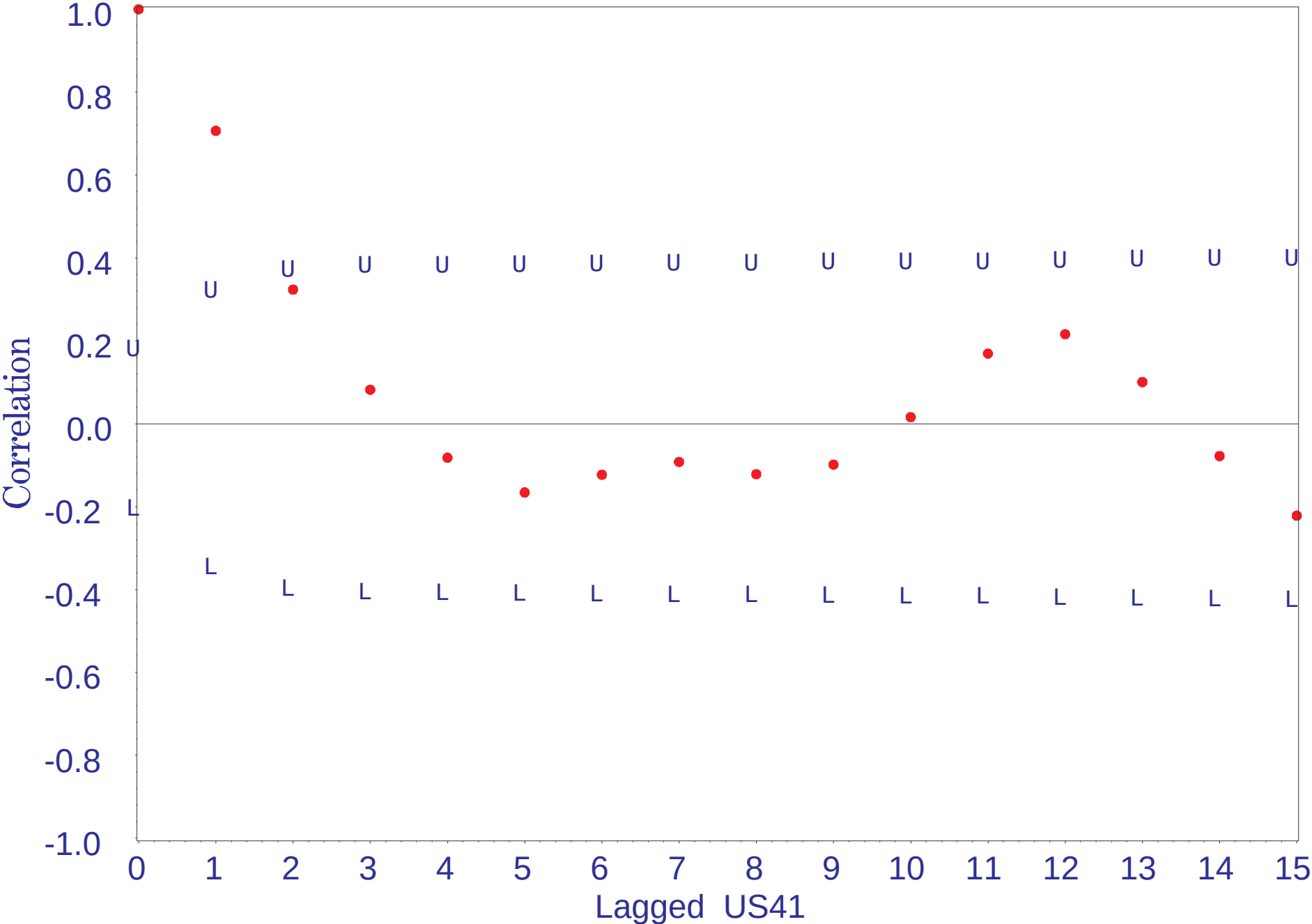
Monthly Boxplots for River Flow at US 41 Bridge 1990-1998

C-83



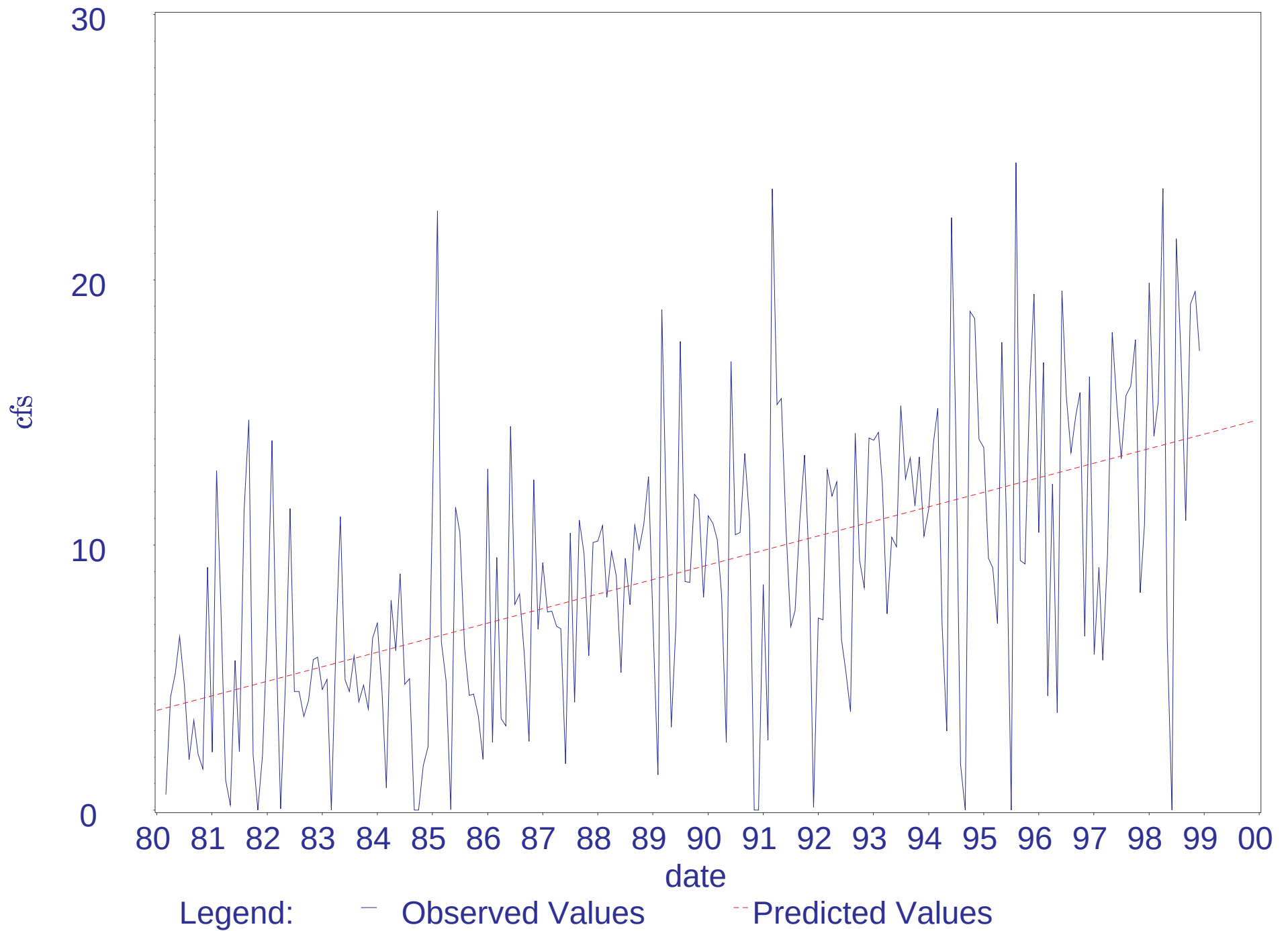
River Flow at US 41 Bridge 1990-1998
Correlogram with Upper and Lower 95% Confidence Limits

C-84



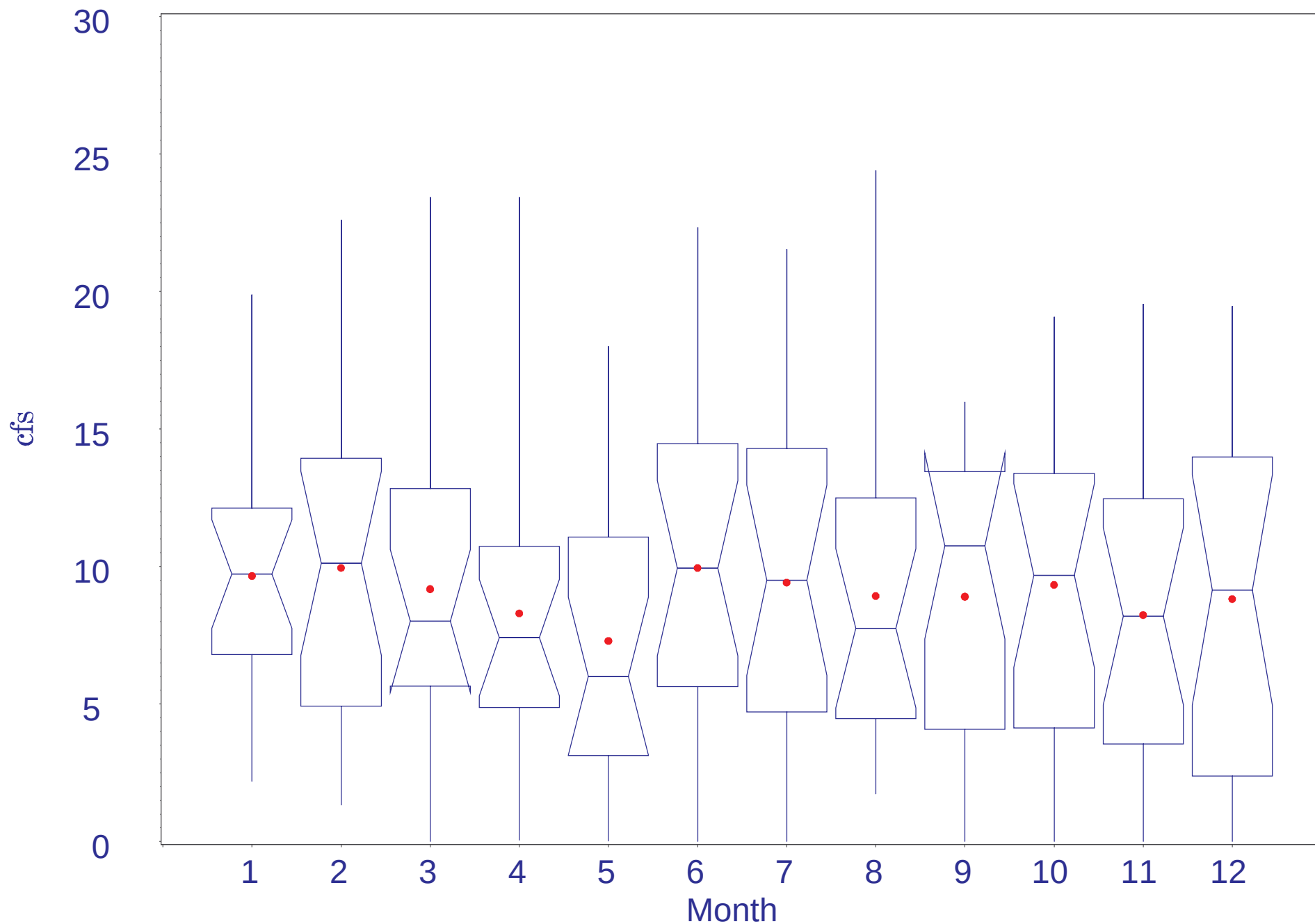
Treatment Facility Withdrawals 1980-1998

C-85



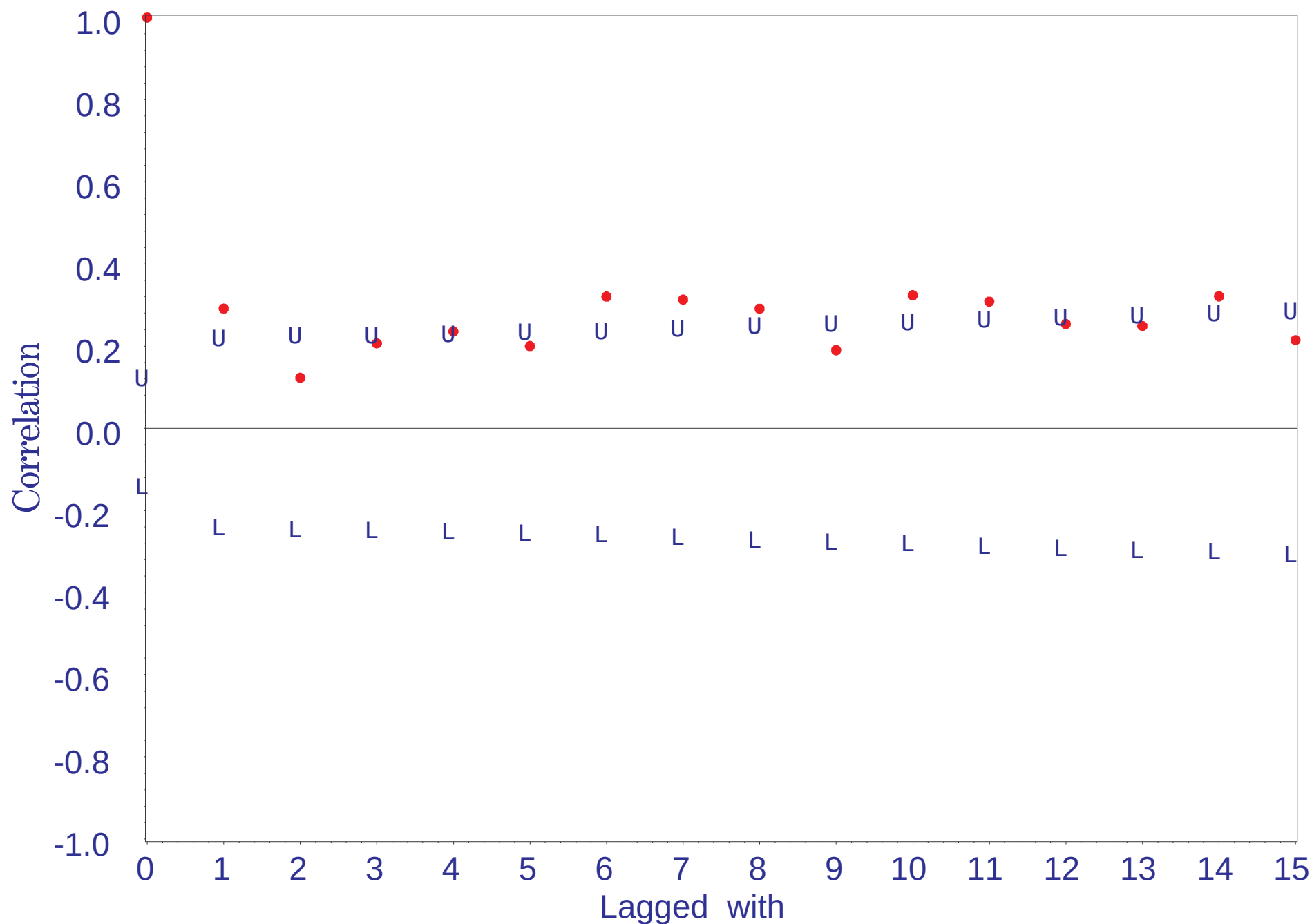
Water Treatment Facility Withdrawals Monthly Boxplots 1980-1998

C-86



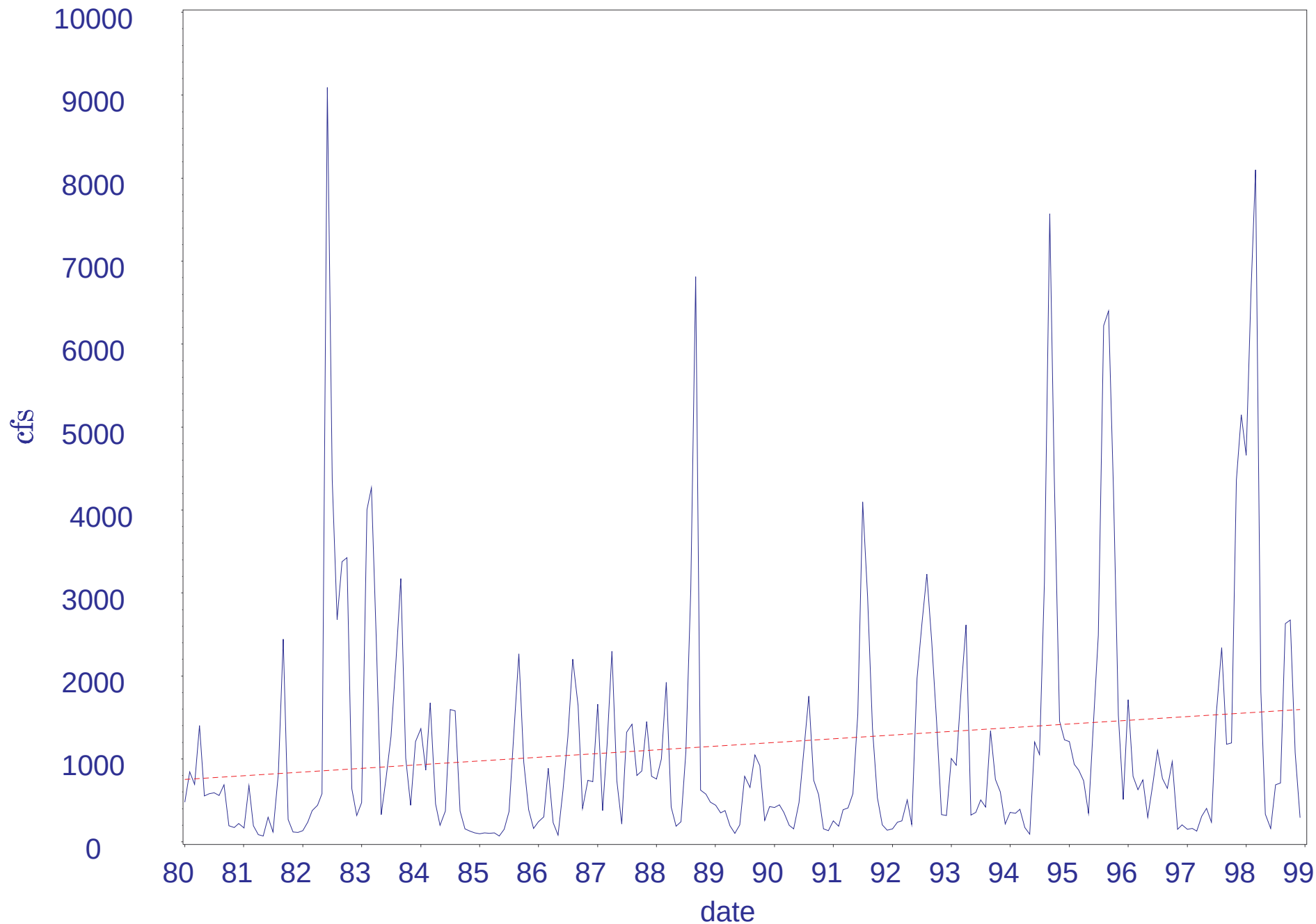
Treatment Facility Withdrawals 1980-1998
Correlogram with Upper and Lower 95% Confidence Limits

C-87



Total Flows at Water Treatment Facility 1980-1998

C-88

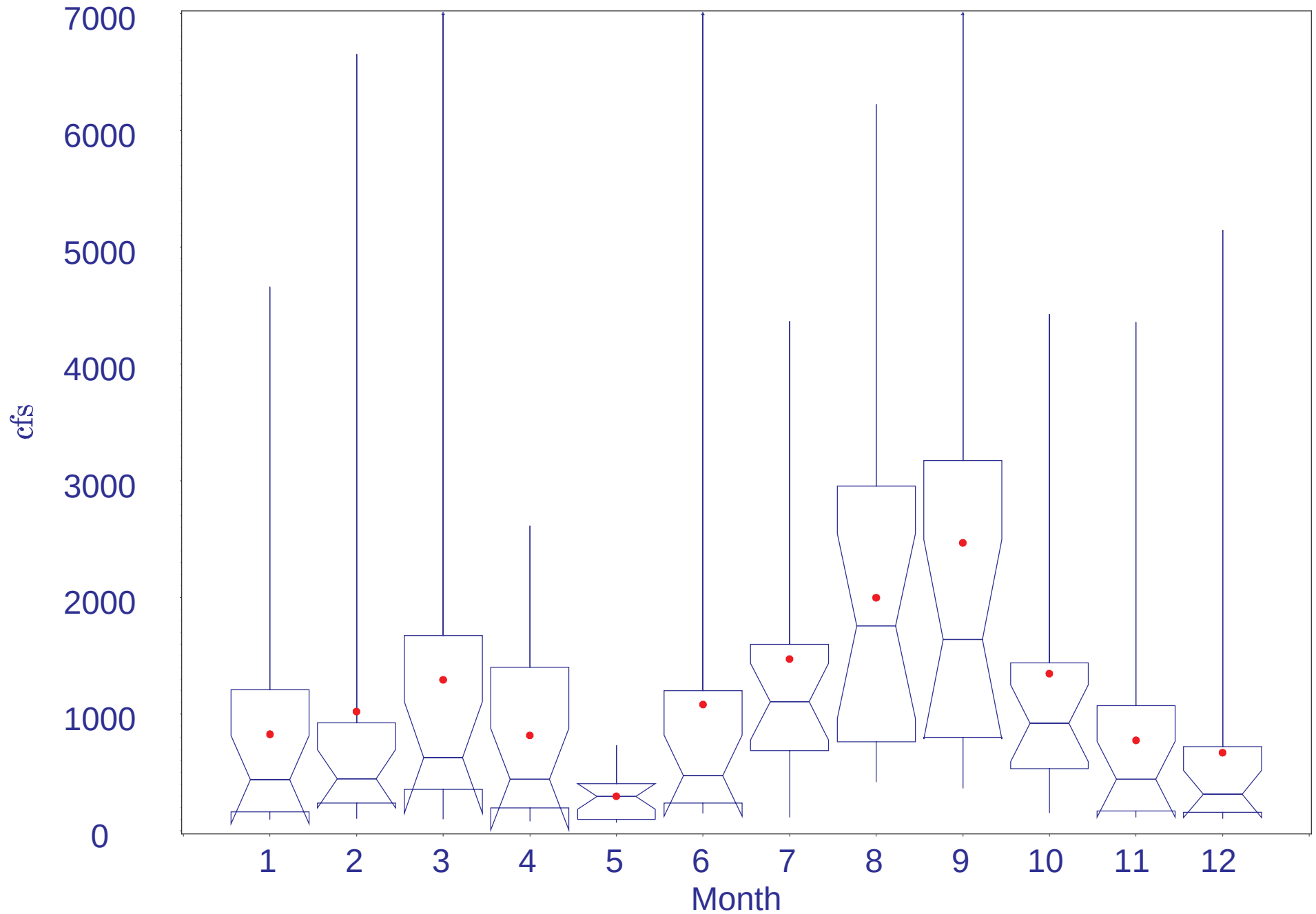


Legend: — Observed Values - - - Predicted Values

Total Flows at Water Treatment Facility

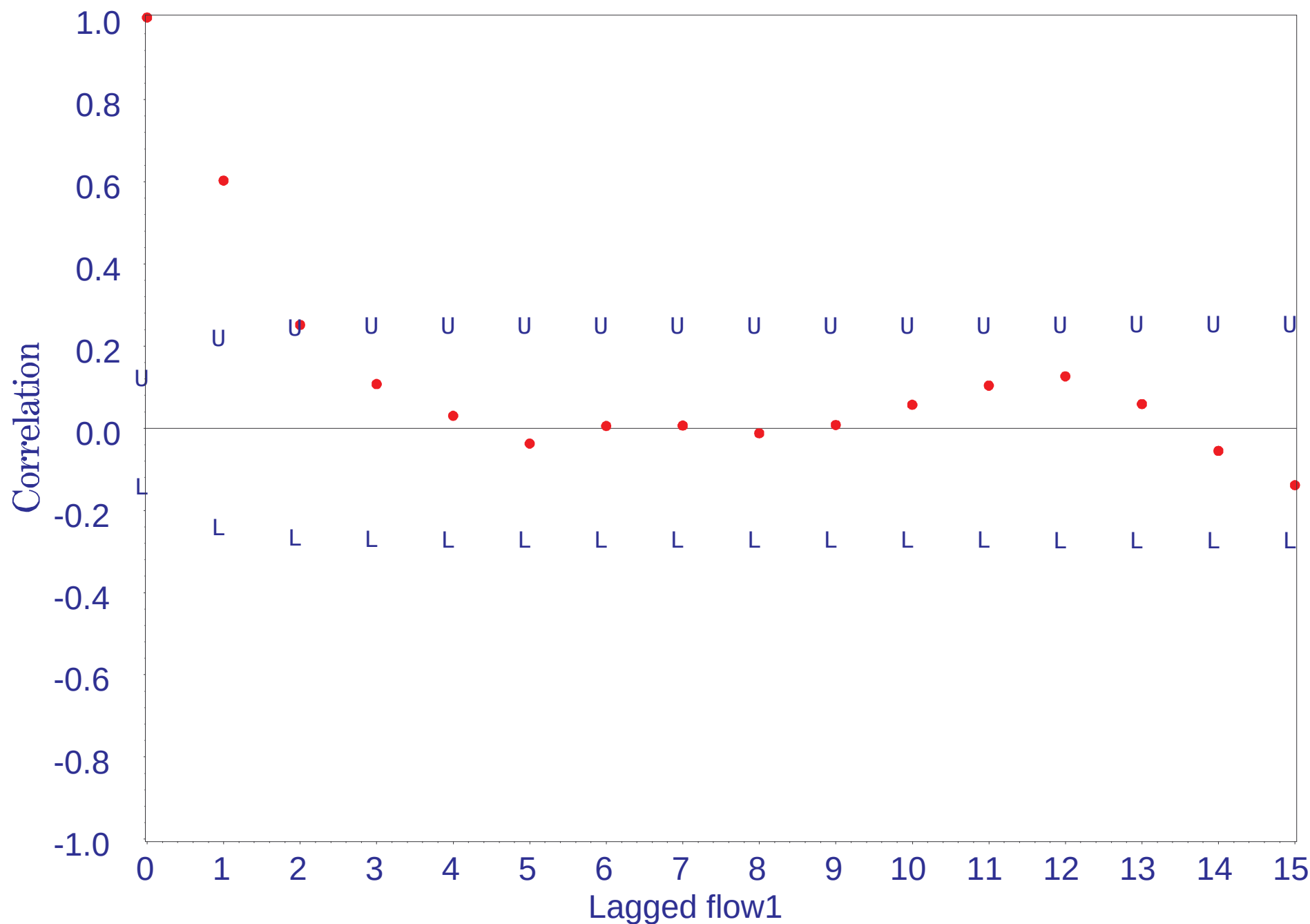
Monthly Boxplots 1980-1998

C-89



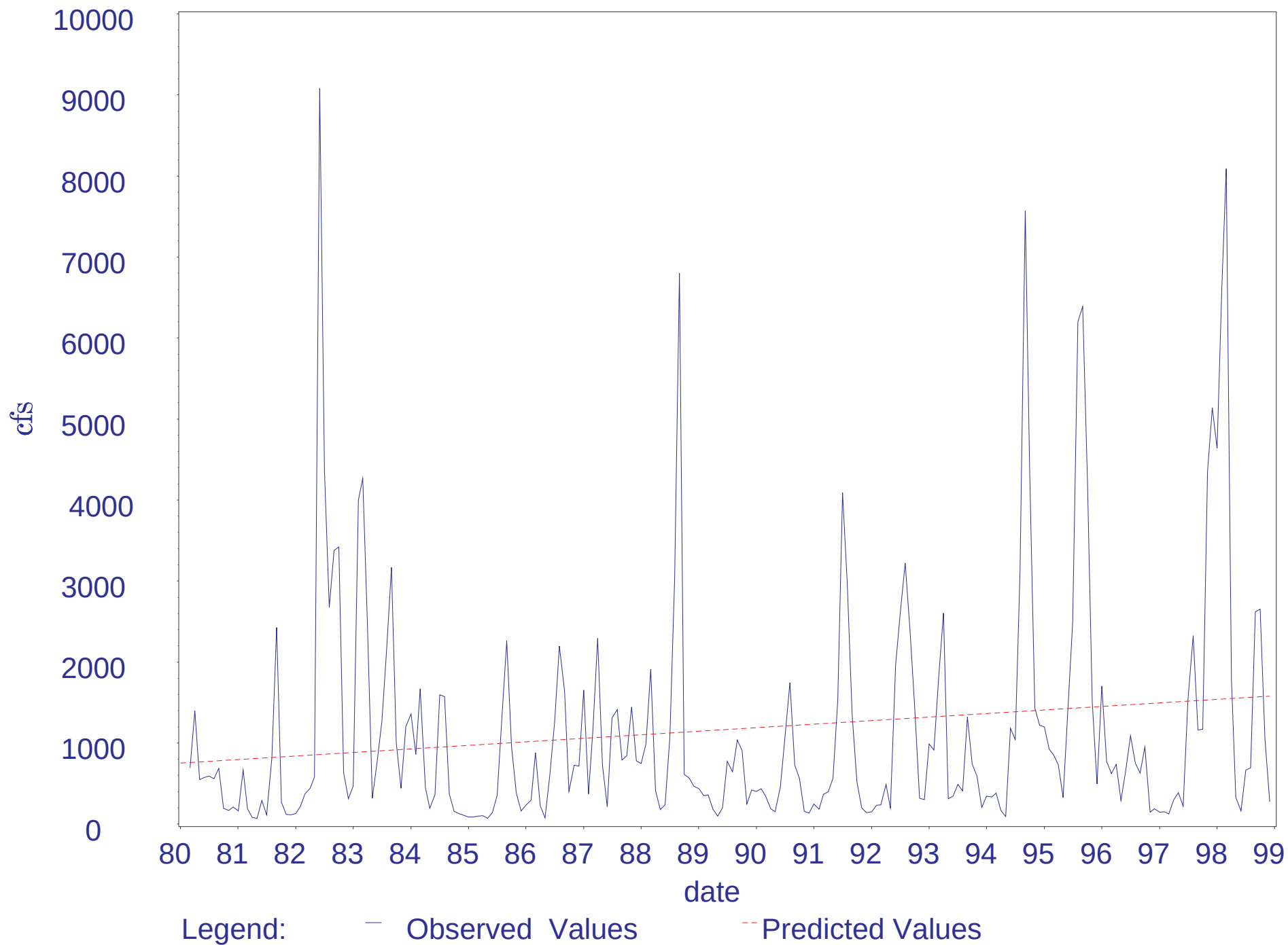
Total Flows at Water Treatment Facility 1980-1999
Correlogram with Upper and Lower 95% Confidence Limits

C-90



Flows at Water Treatment Facility minus Withdrawals 19080-1998

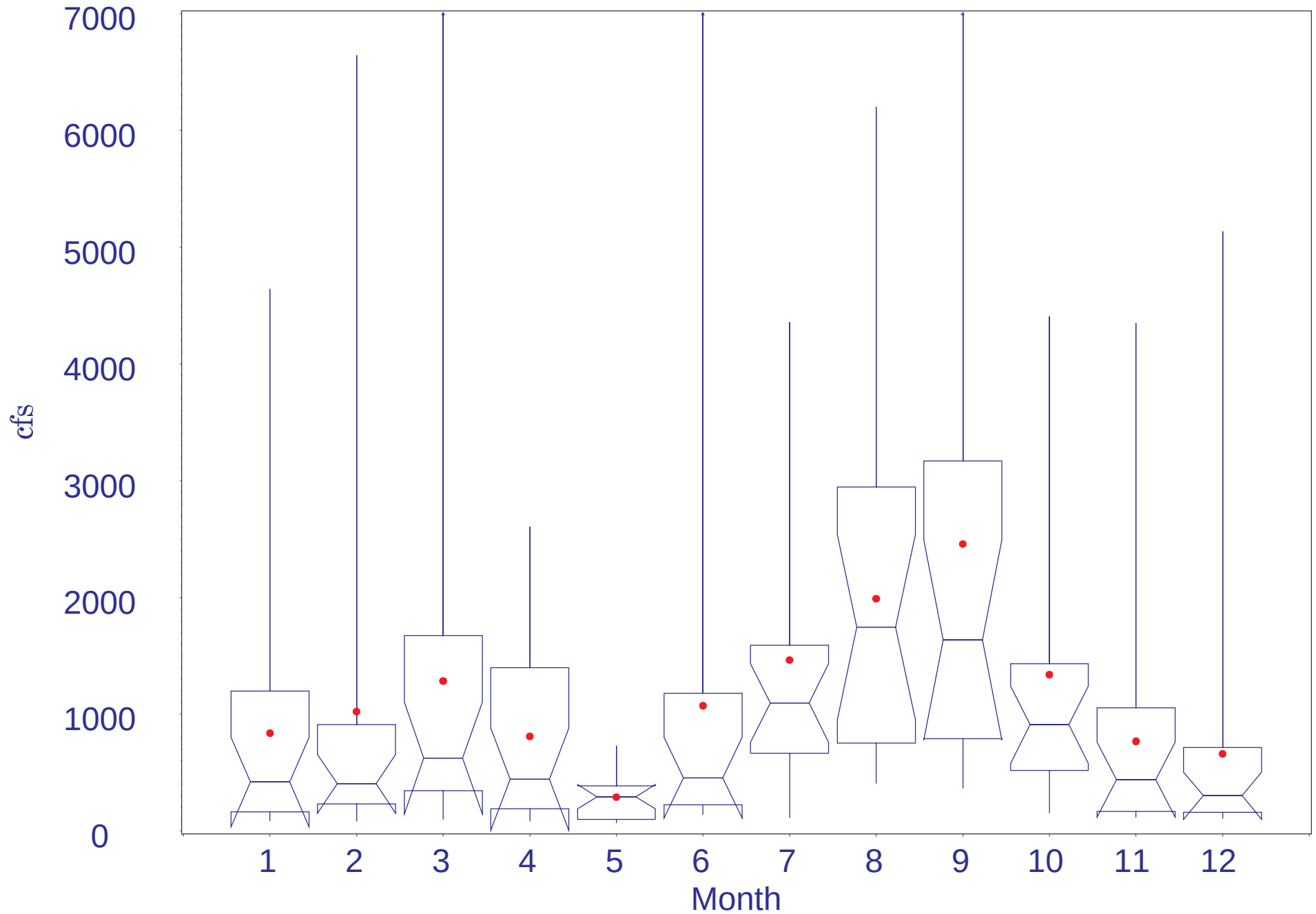
C-91



Flows at Water Treatment Facility minus Withdrawals

Monthly Boxplots 1980-1998

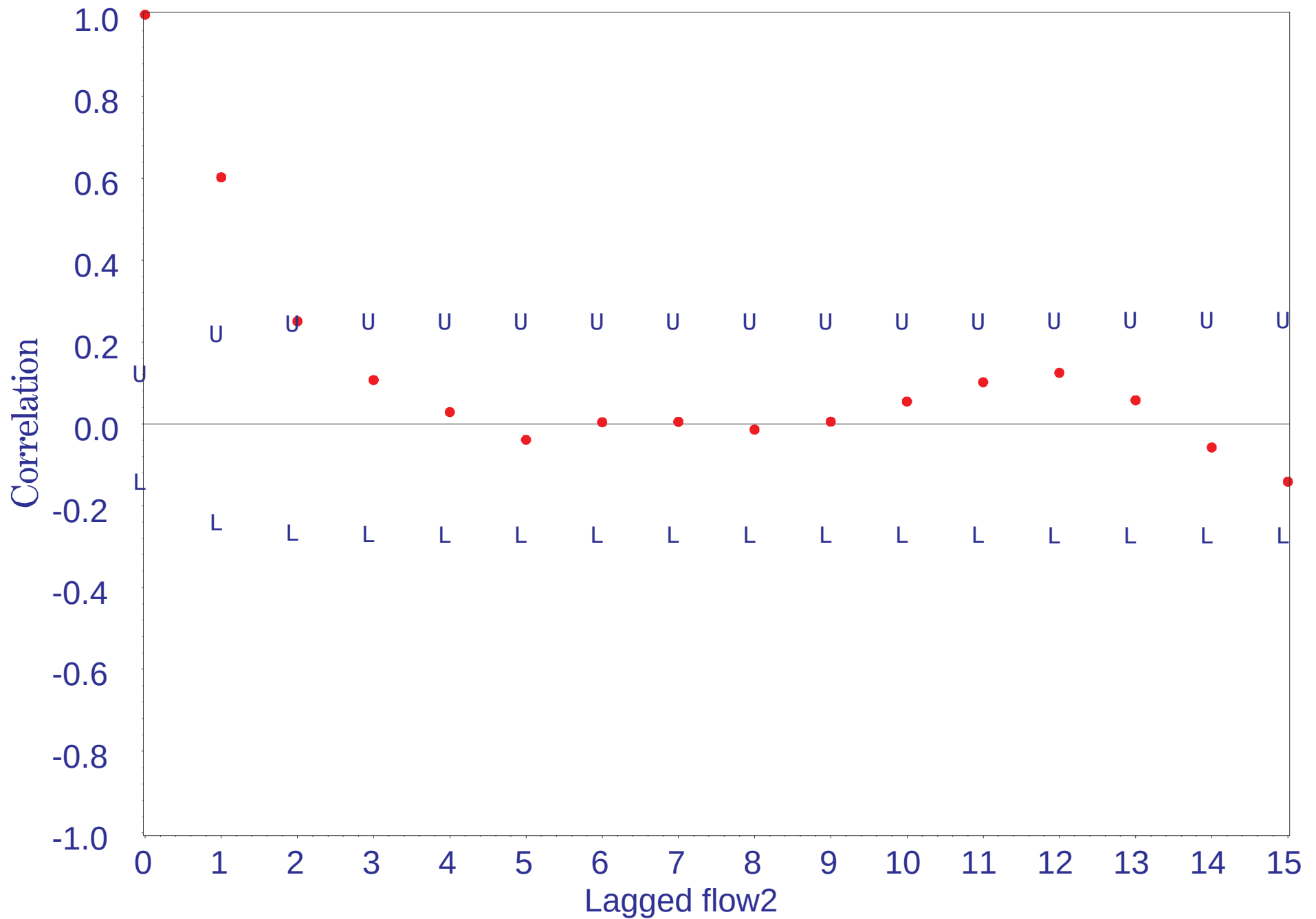
C-92



Flows at Water Treatment Facility minus Withdrawals 1980-1998

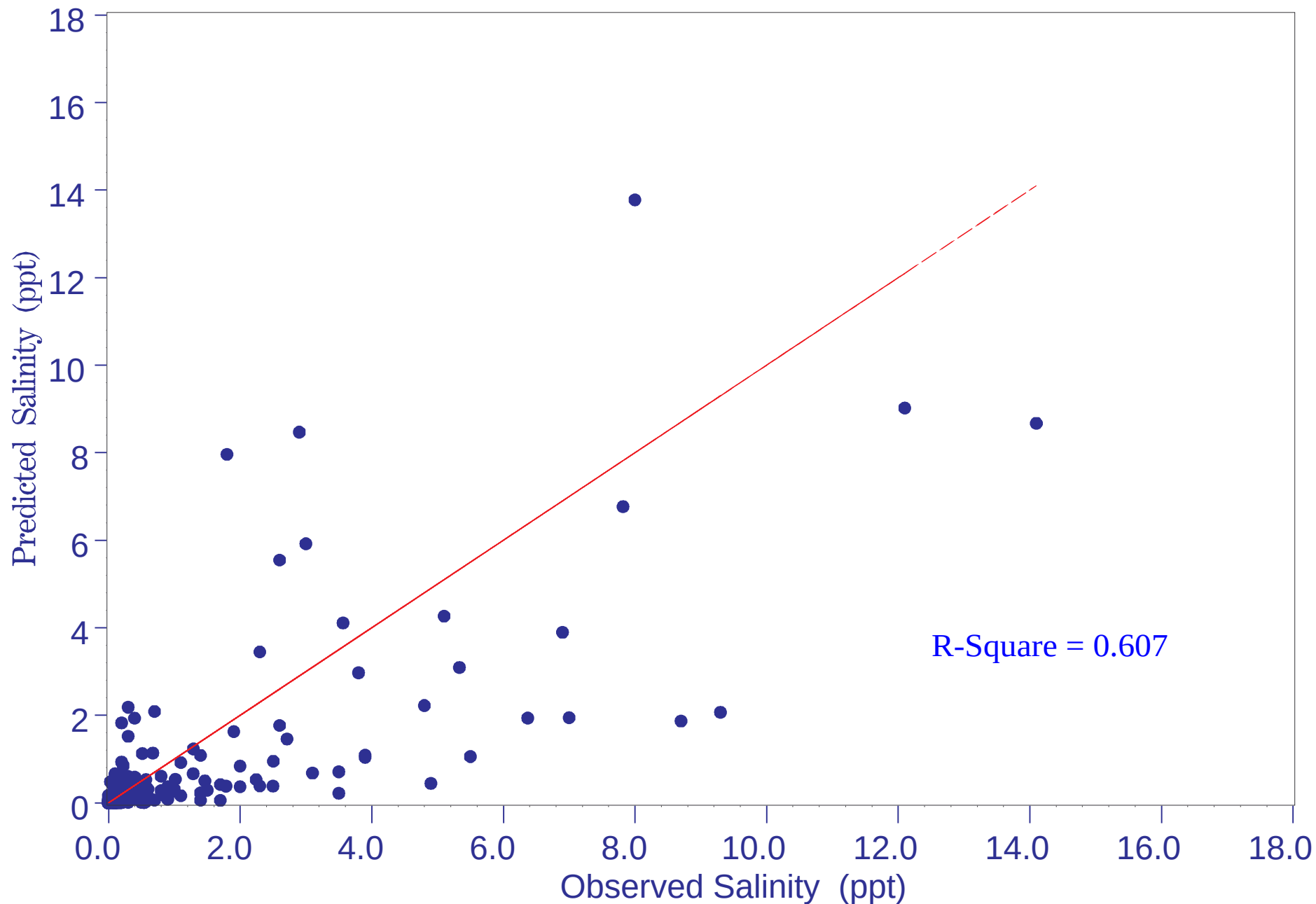
Correlogram with Upper and Lower 95% Confidence Limits

C-93



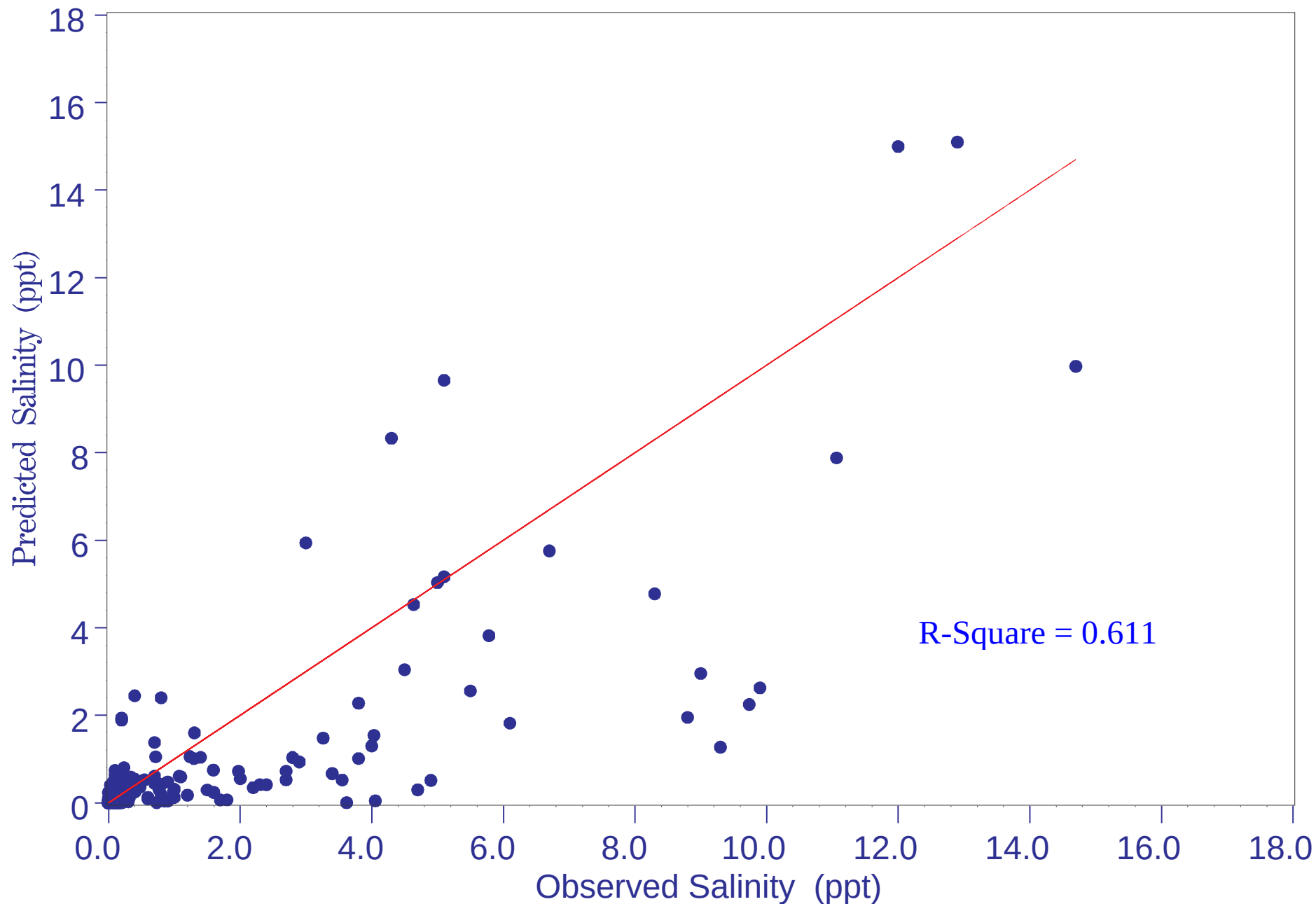
Estimated Salinity Predicted by Model vs. Actual Observed
Upper Peace River Segment From Facility to Harbour Heights
Surface Water

C-94



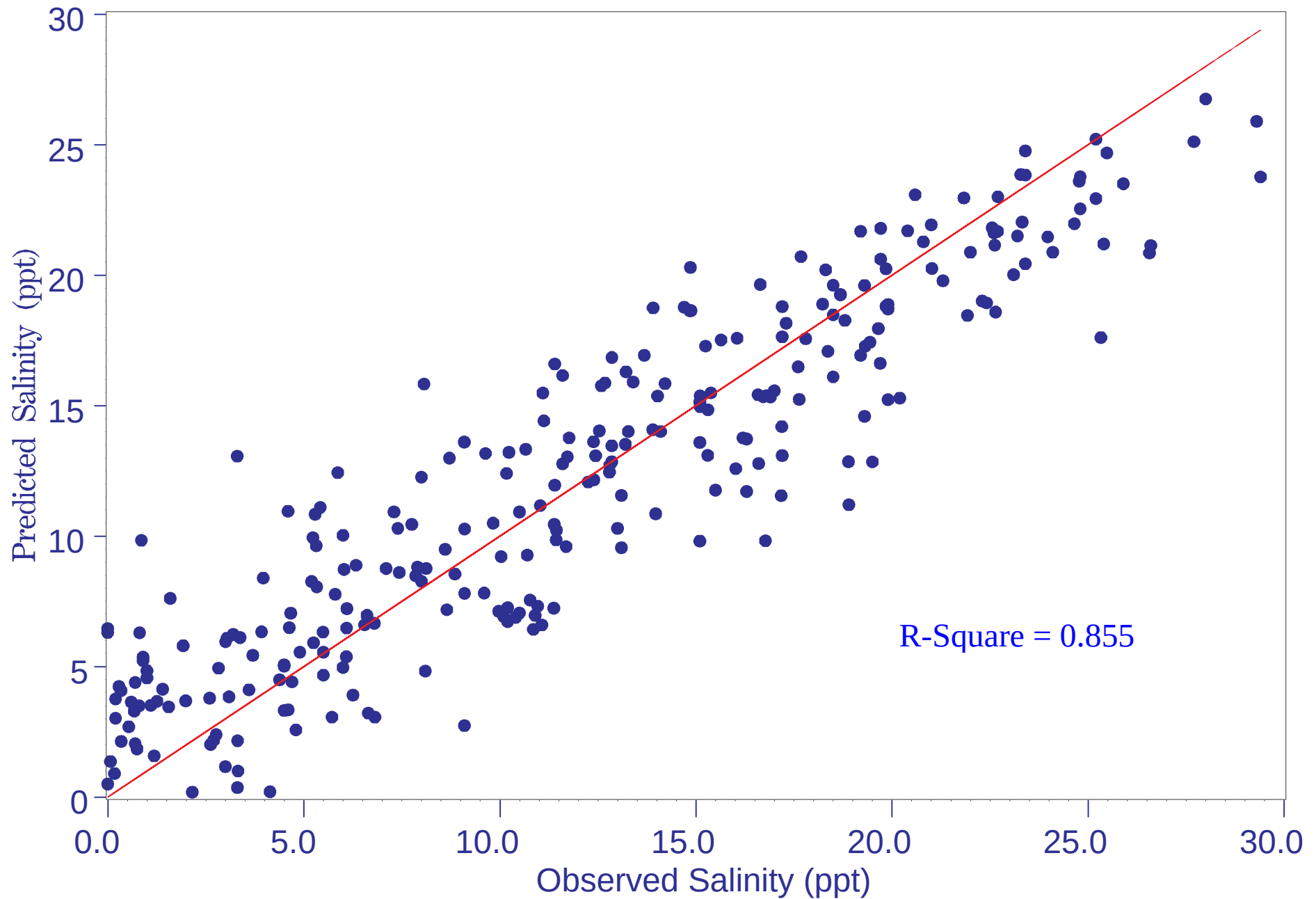
Estimated Salinity Predicted by Model vs. Actual Observed
Upper Peace River Segment From Facility to Harbour Heights
Bottom Water

C-95



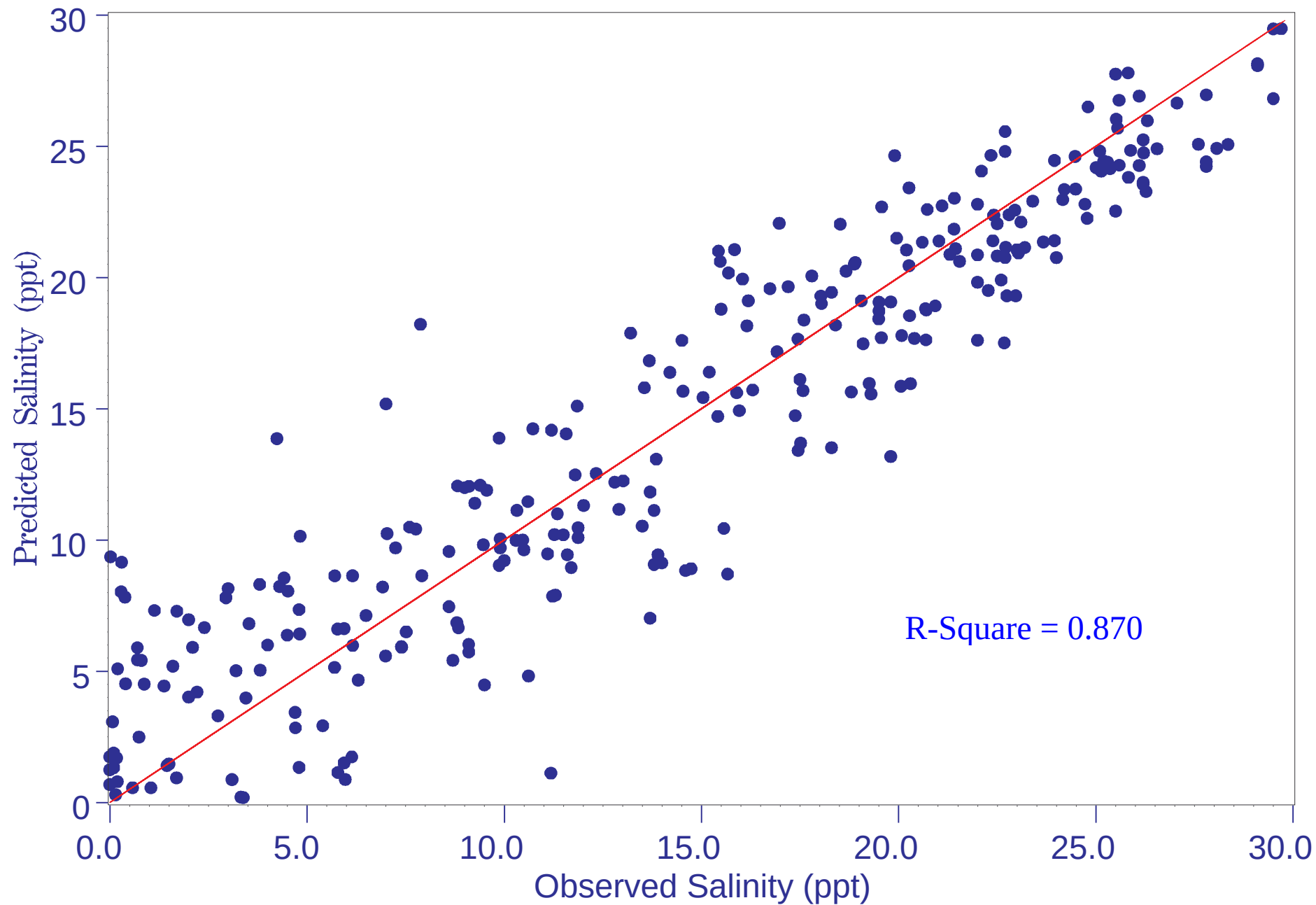
Estimated Salinity Predicted by Model vs. Actual Observed
From Harbour Heights to US 41
Surface Water

C-96



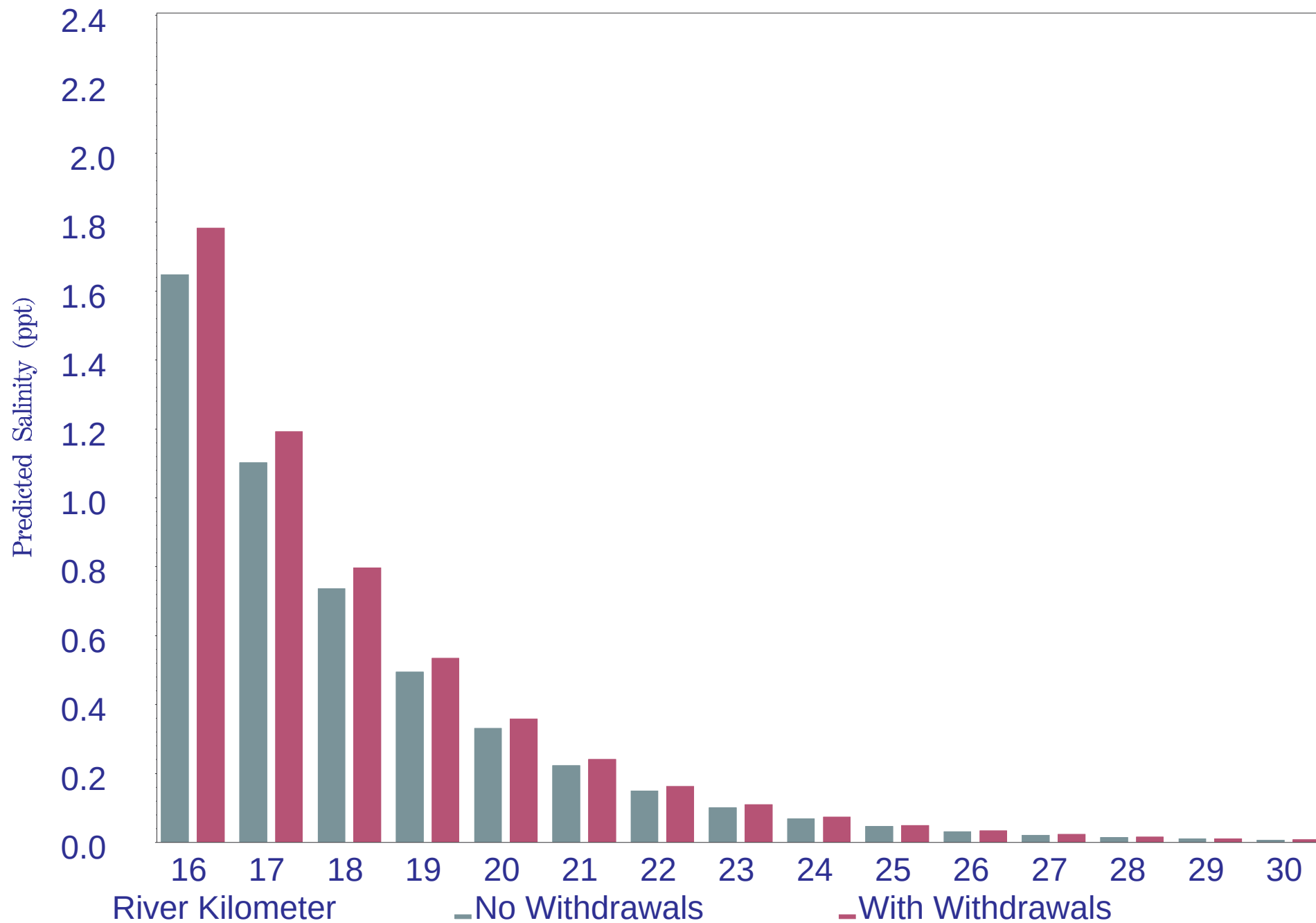
Estimated Salinity Predicted by Model vs. Actual Observed
From Harbour Heights to US 41
Bottom Water

C-97



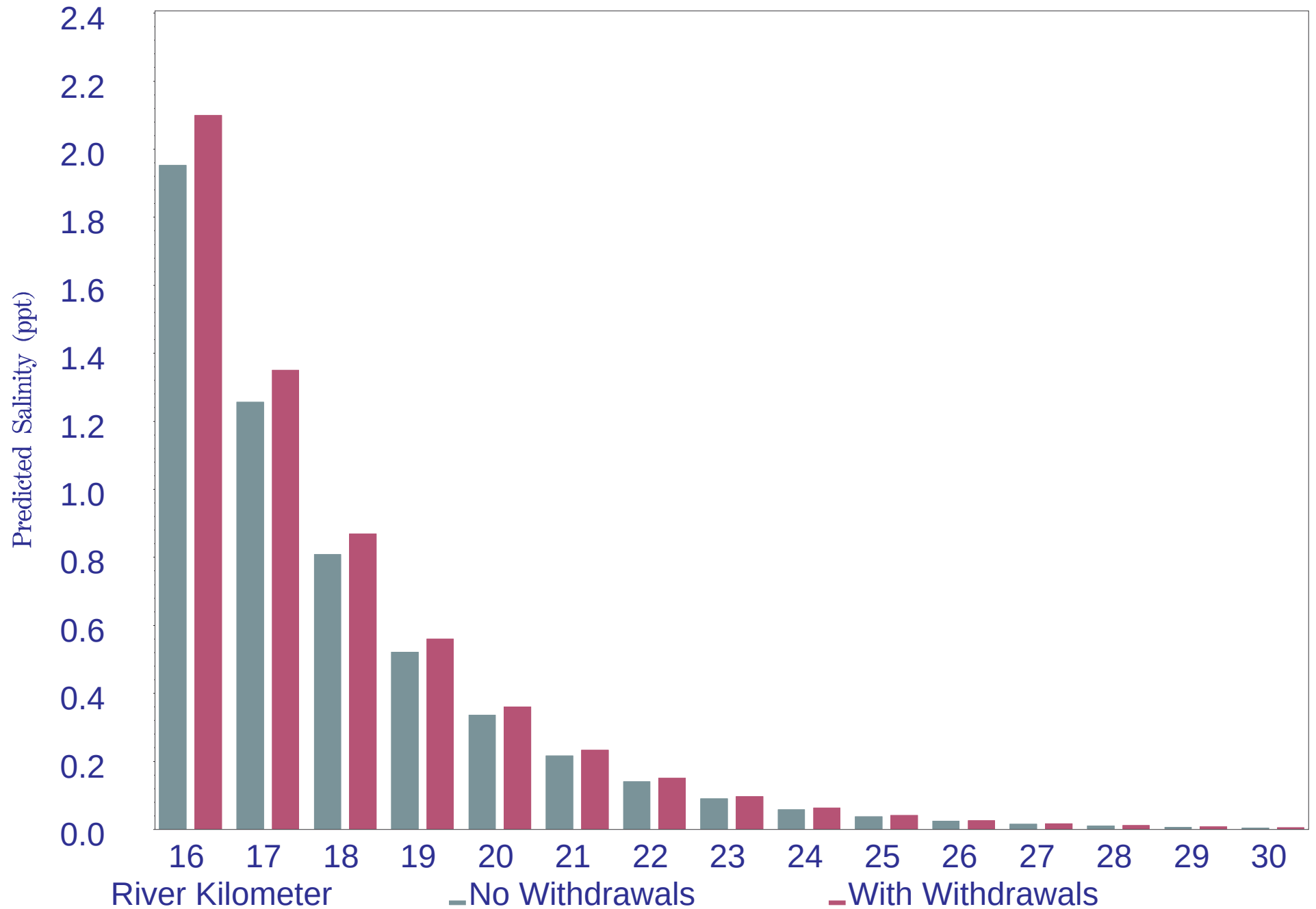
UPPER PEACE RIVER
Surface Salinity Predictions 1980-1987

C-98



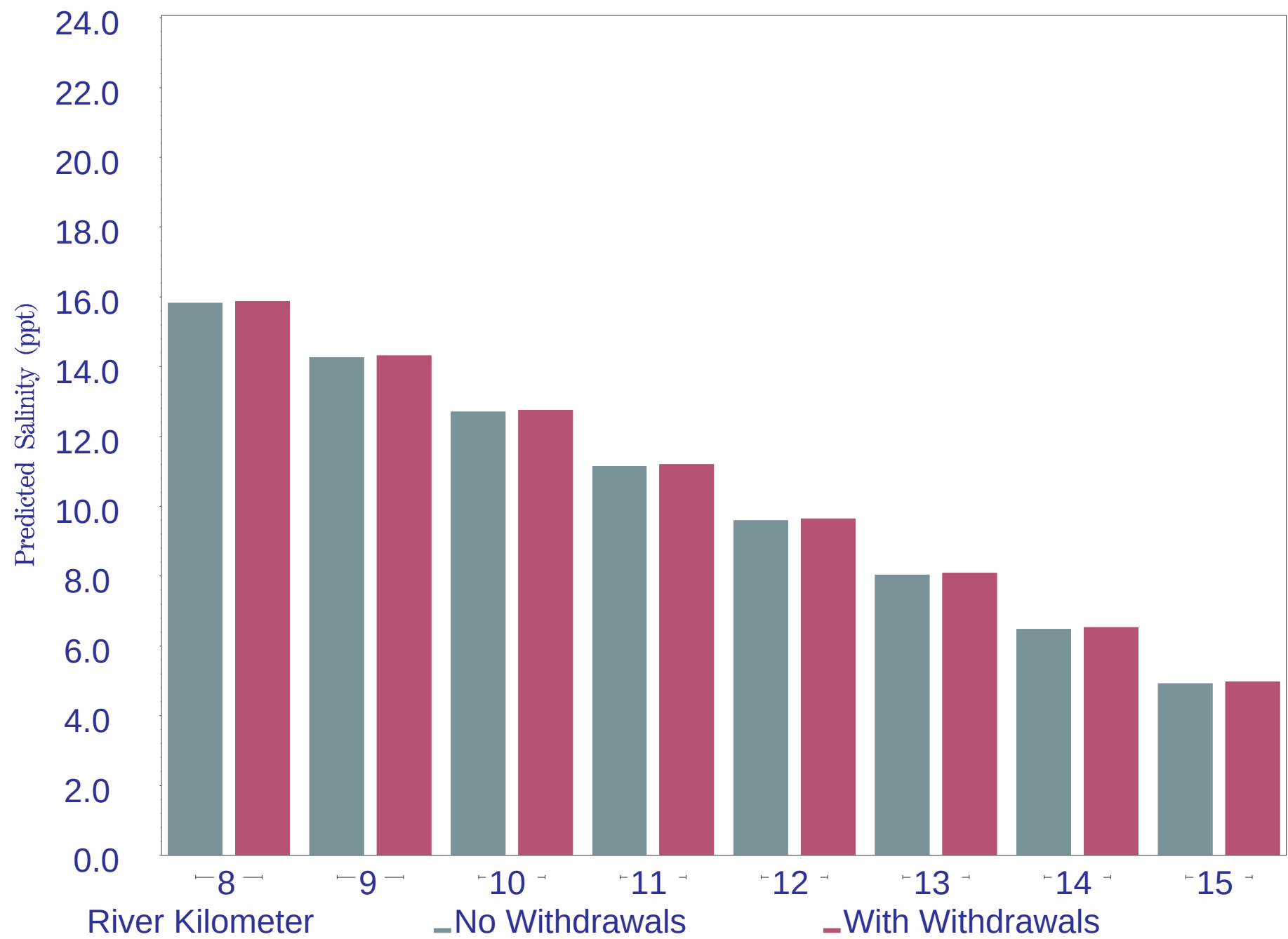
UPPER PEACE RIVER
Bottom Salinity Predictions 1980-1987

C-99



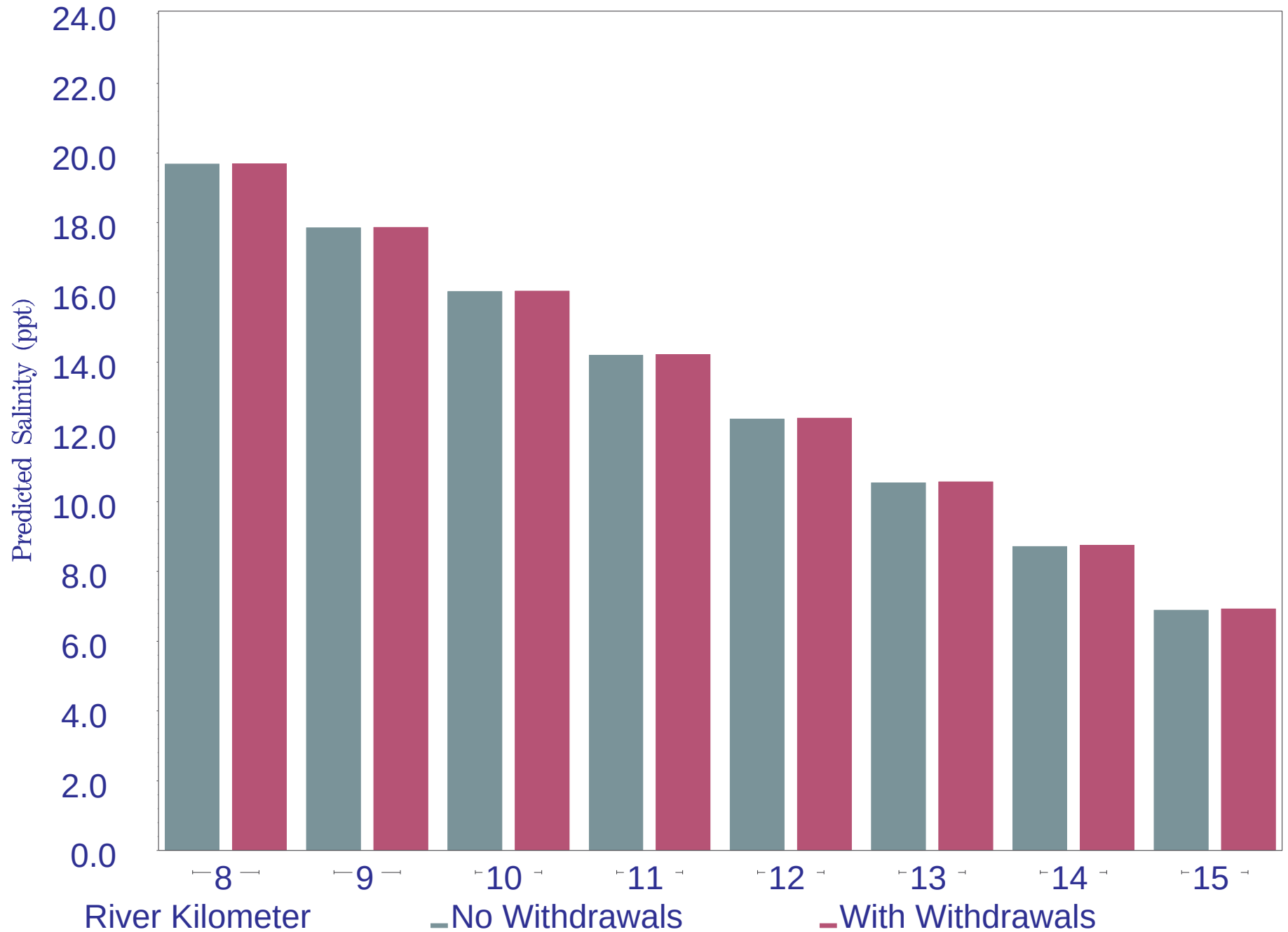
LOWER PEACE RIVER
Surface Salinity Predictions 1980-1987

C-100



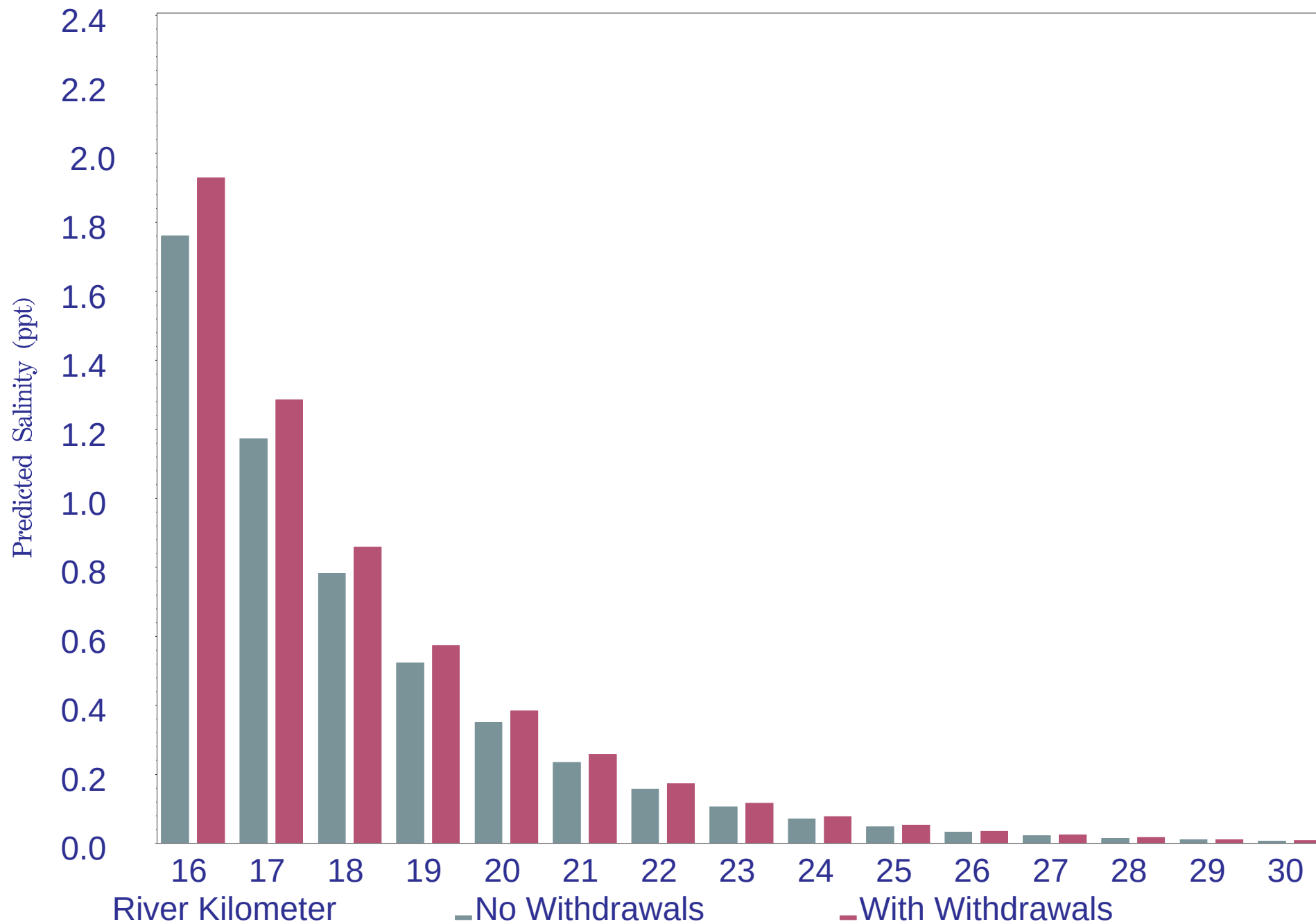
LOWER PEACE RIVER
Bottom Salinity Predictions 1980-1987

C-101



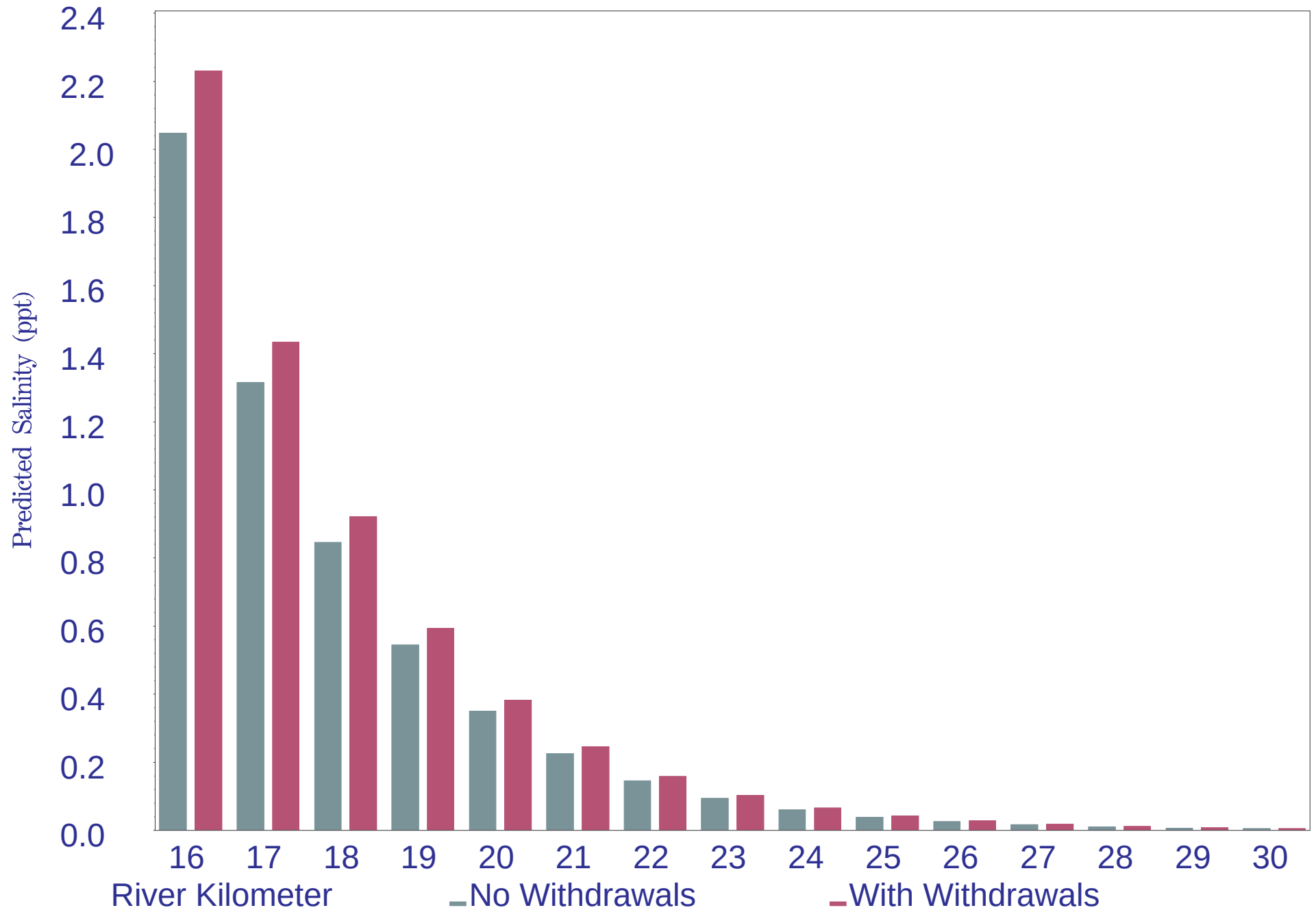
UPPER PEACE RIVER
Surface Salinity Predictions 1988-1995

C-102



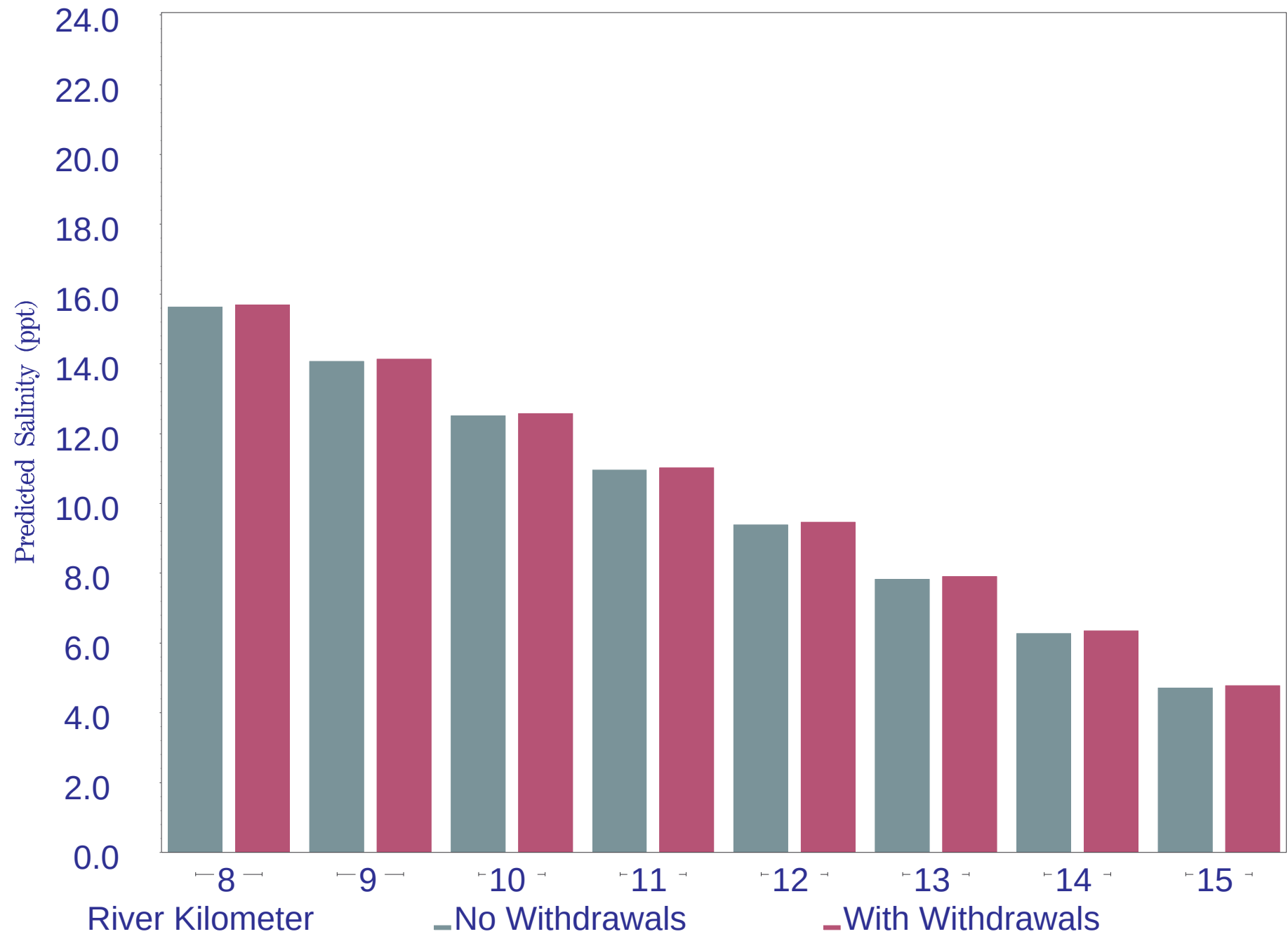
UPPER PEACE RIVER
Bottom Salinity Predictions 1988-1995

C-103



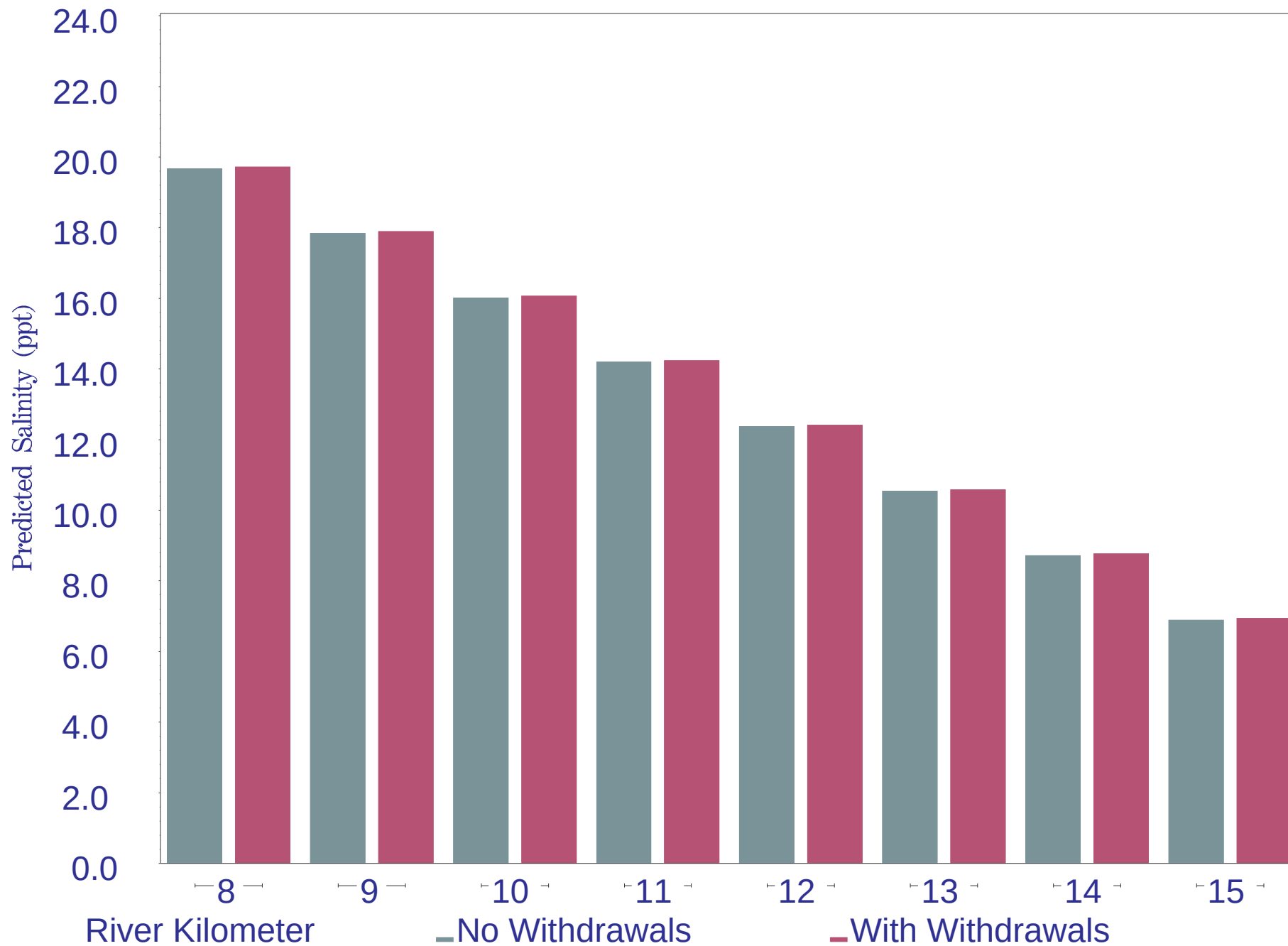
LOWER PEACE RIVER
Surface Salinity Predictions 1988-1995

C-104



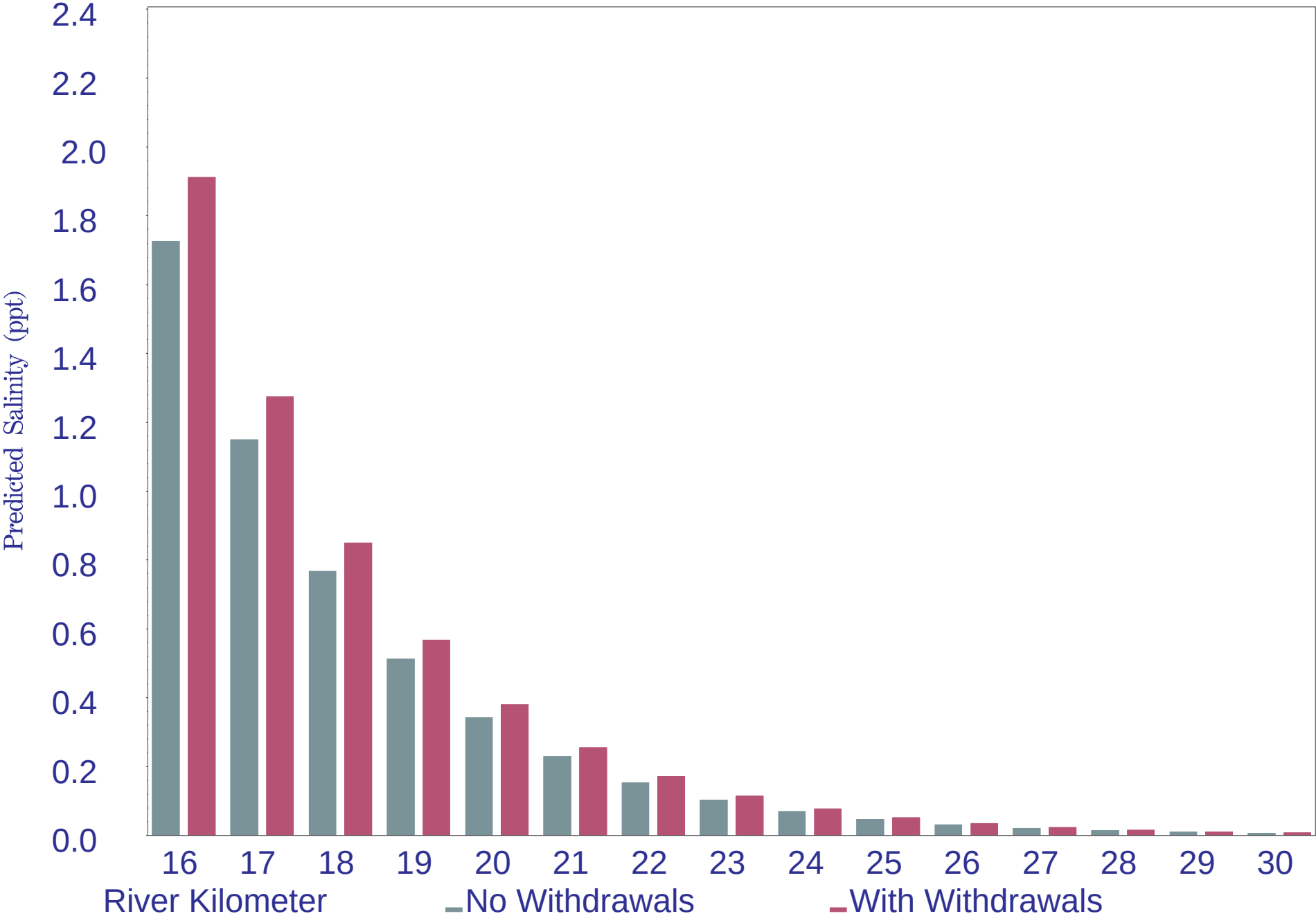
LOWER PEACE RIVER
Bottom Salinity Predictions 1988-1995

C-105



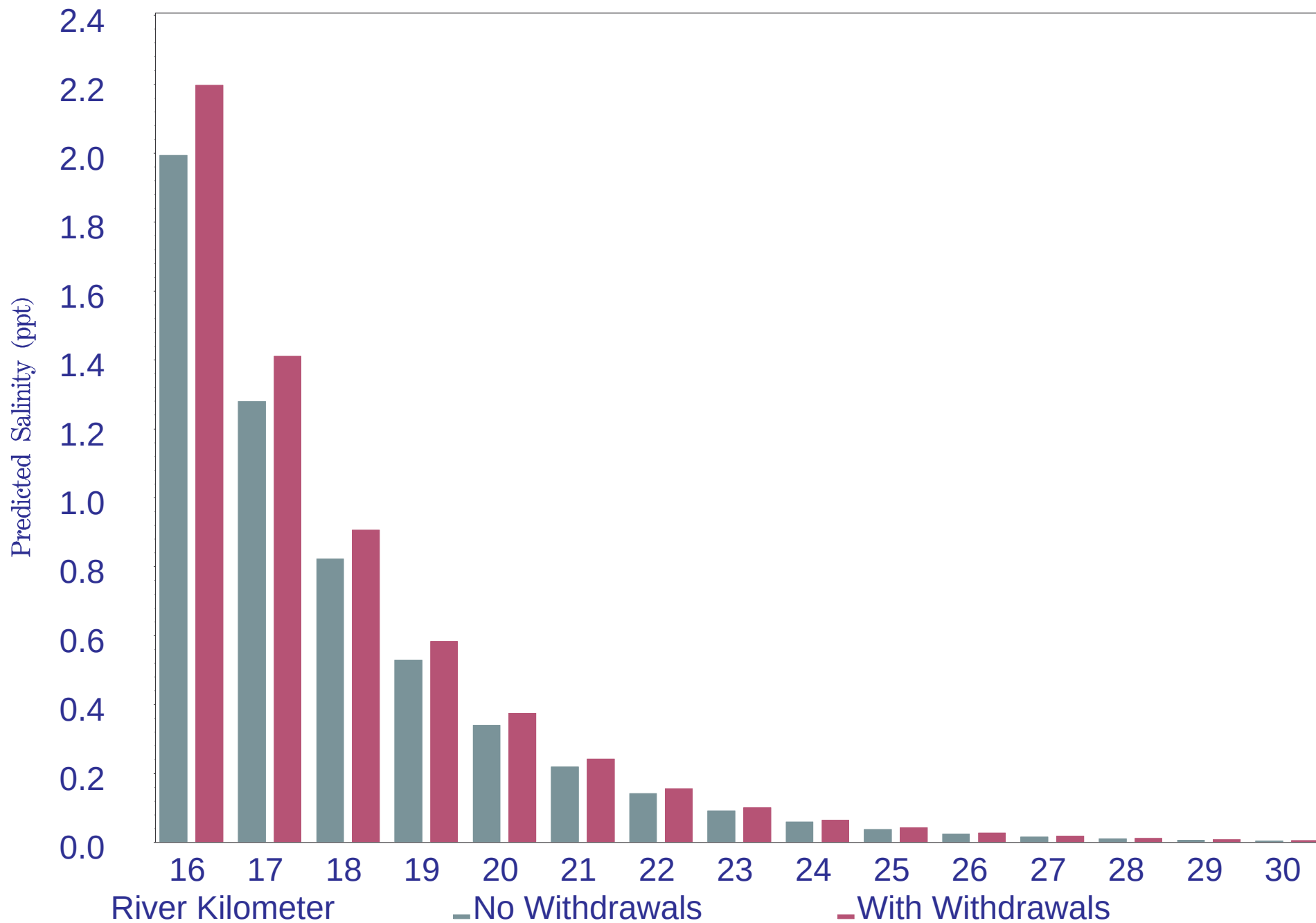
UPPER PEACE RIVER
Surface Salinity Predictions 1996-1998

C-106



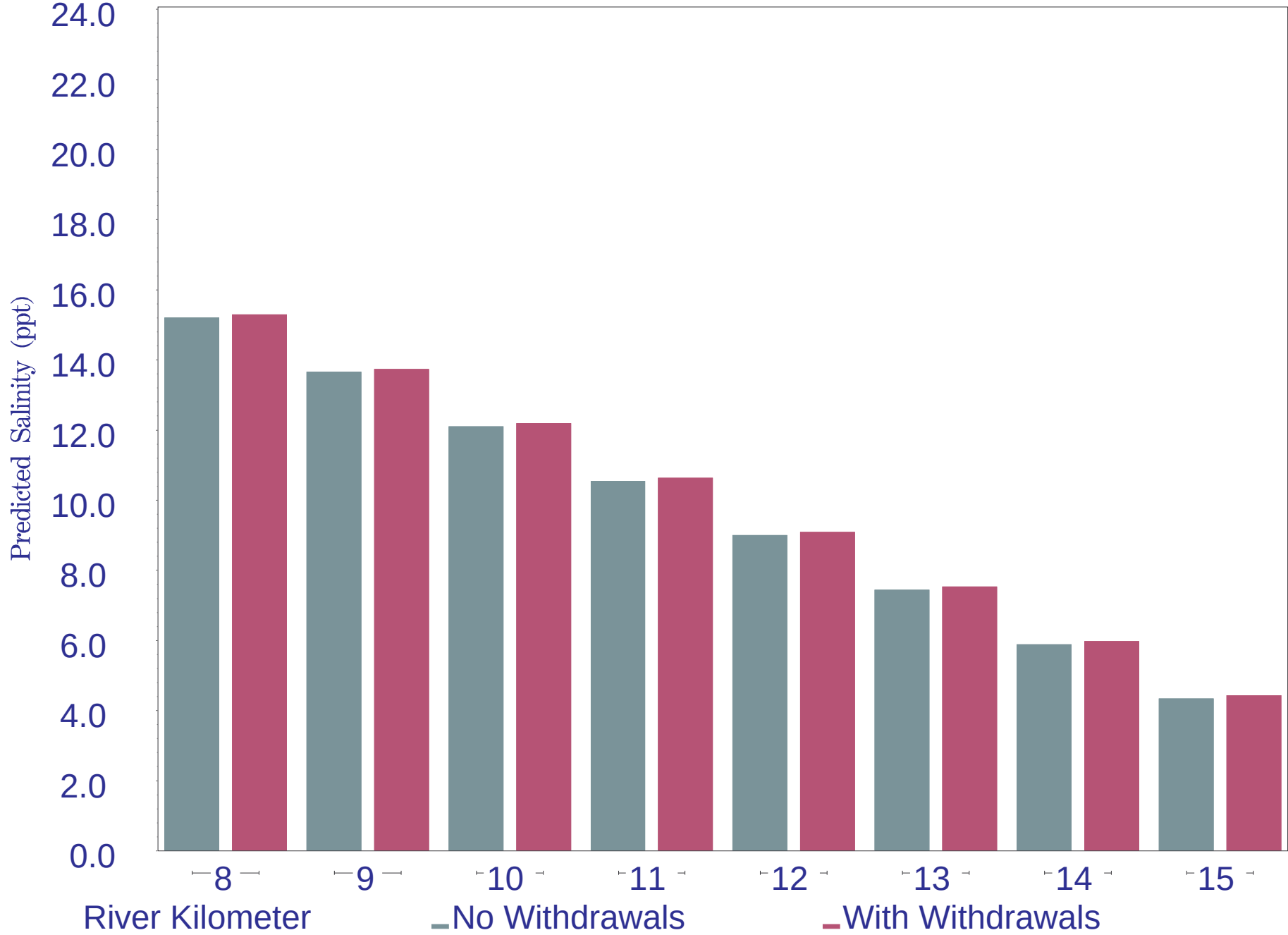
UPPER PEACE RIVER
Bottom Salinity Predictions 1996-1998

C-107



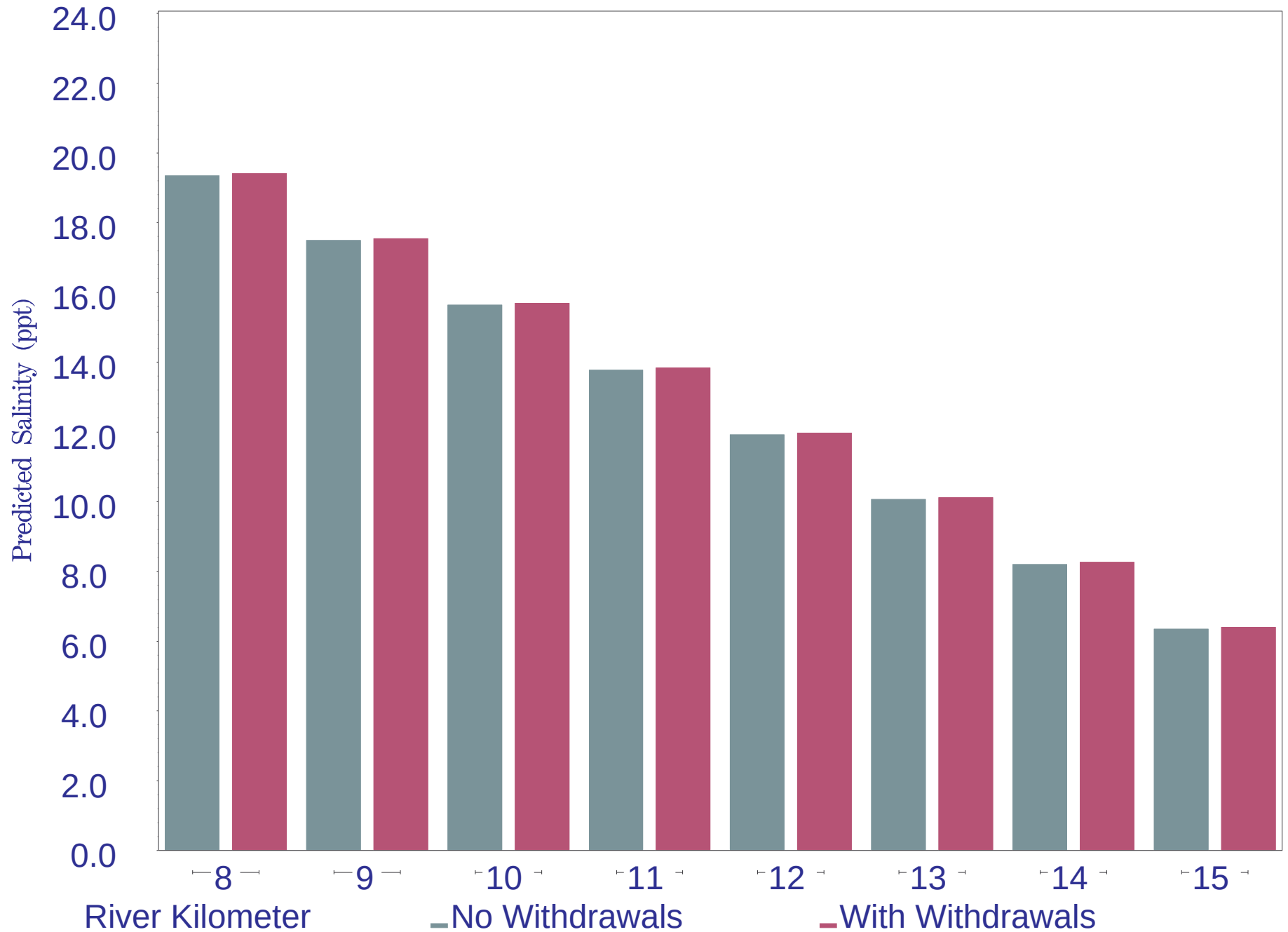
LOWER PEACE RIVER
Surface Salinity Predictions 1996-1998

C-108



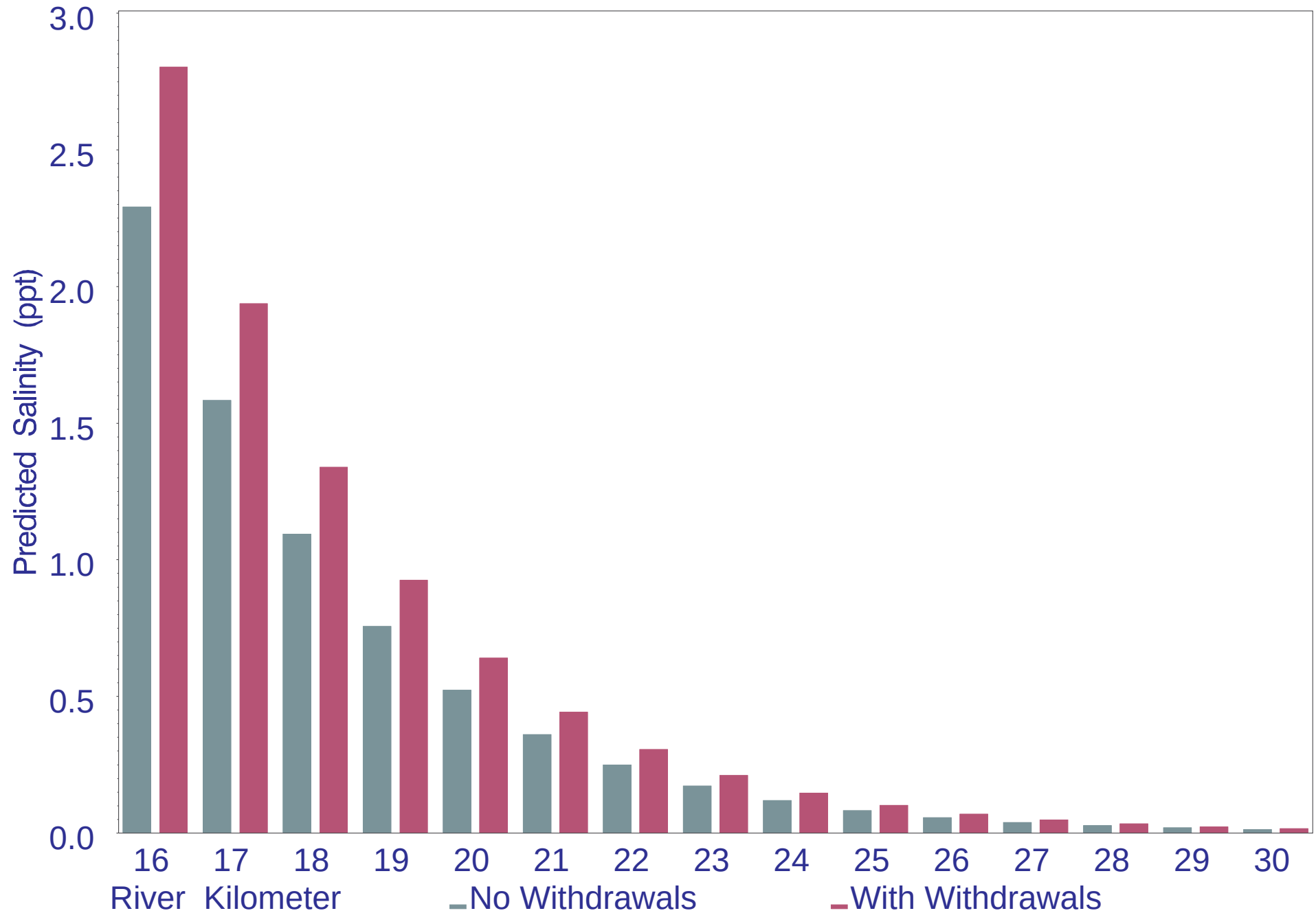
LOWER PEACE RIVER
Bottom Salinity Predictions 1996-1998

C-109



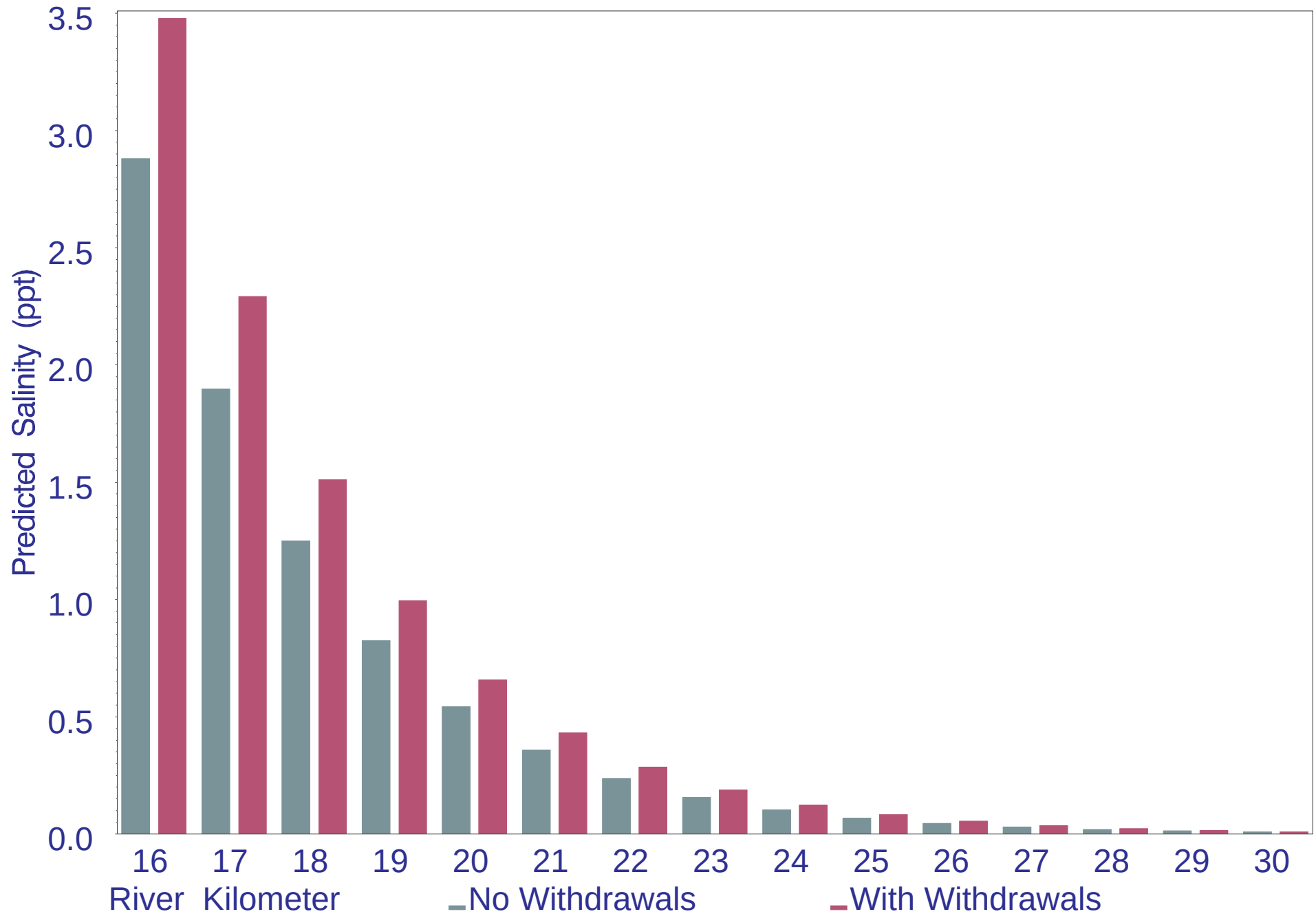
Upper Peace River - Surface Salinity Predictions
Peace River Flow = 200 cfs

C-110



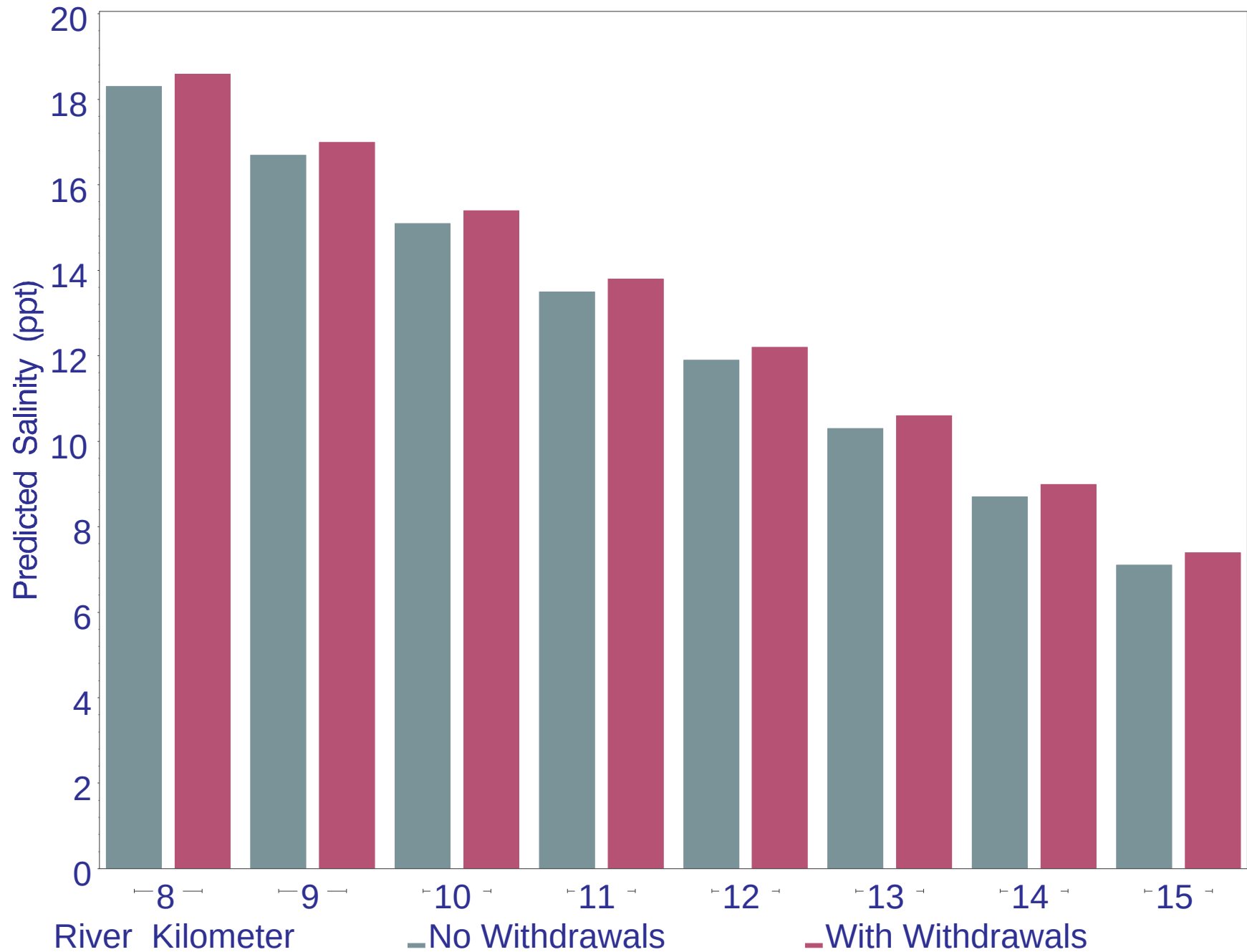
Upper Peace River - Bottom Salinity Predictions
Peace River Flow = 200 cfs

C-111



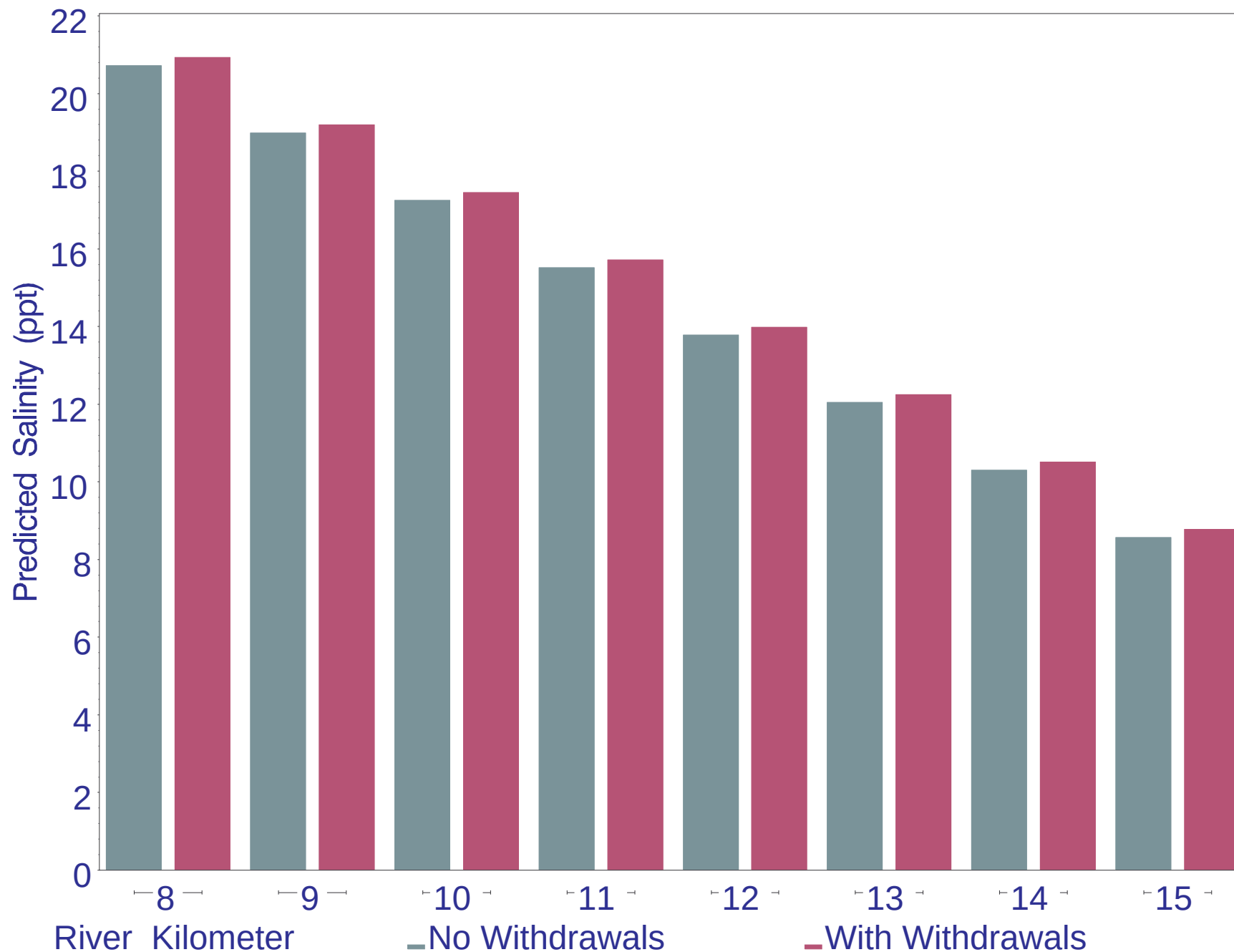
Lower Peace River - Surface Salinity Predictions
Peace River Flow = 200 cfs

C-112



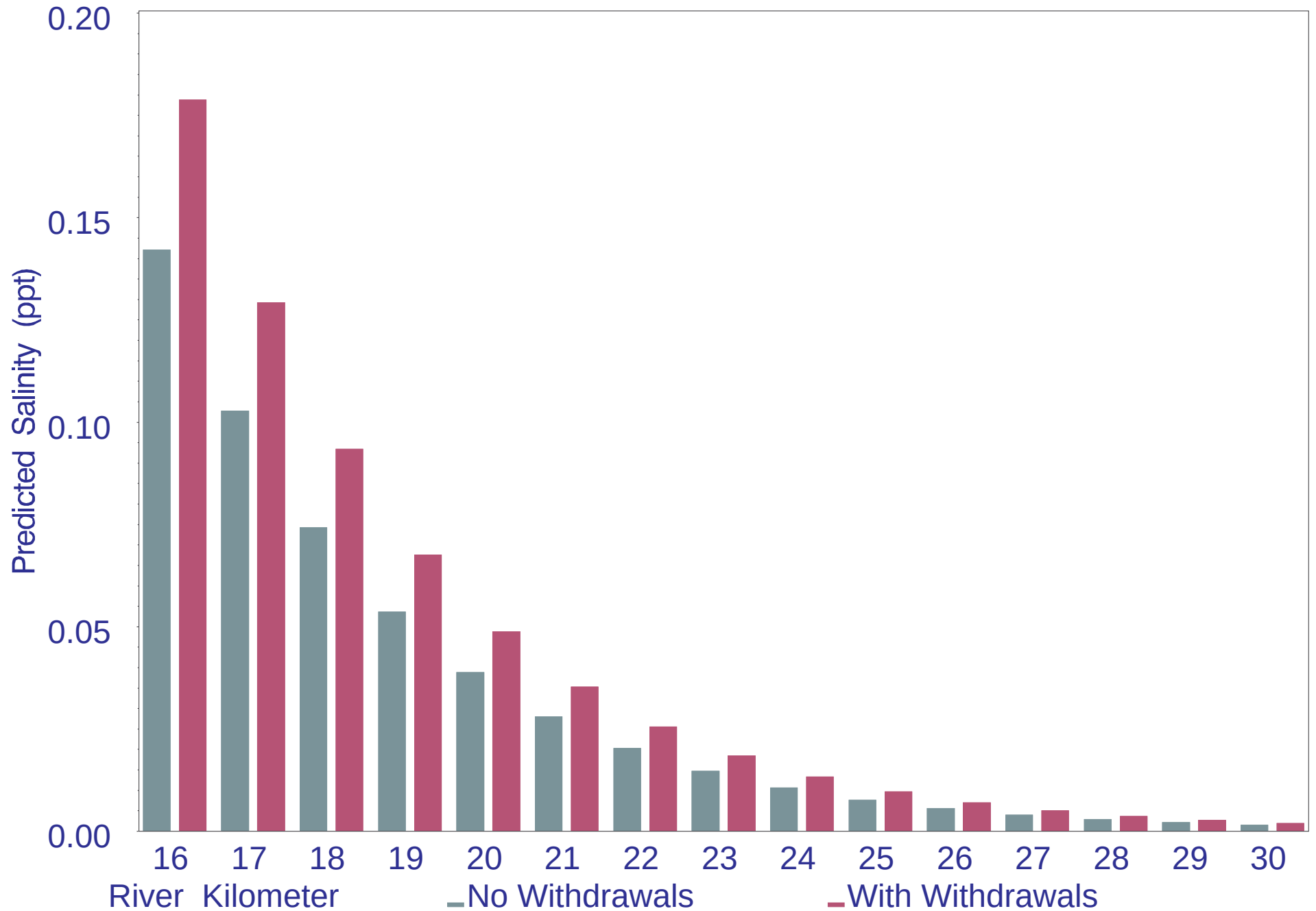
Lower Peace River - Bottom Salinity Predictions
Peace River Flow = 200 cfs

C-113



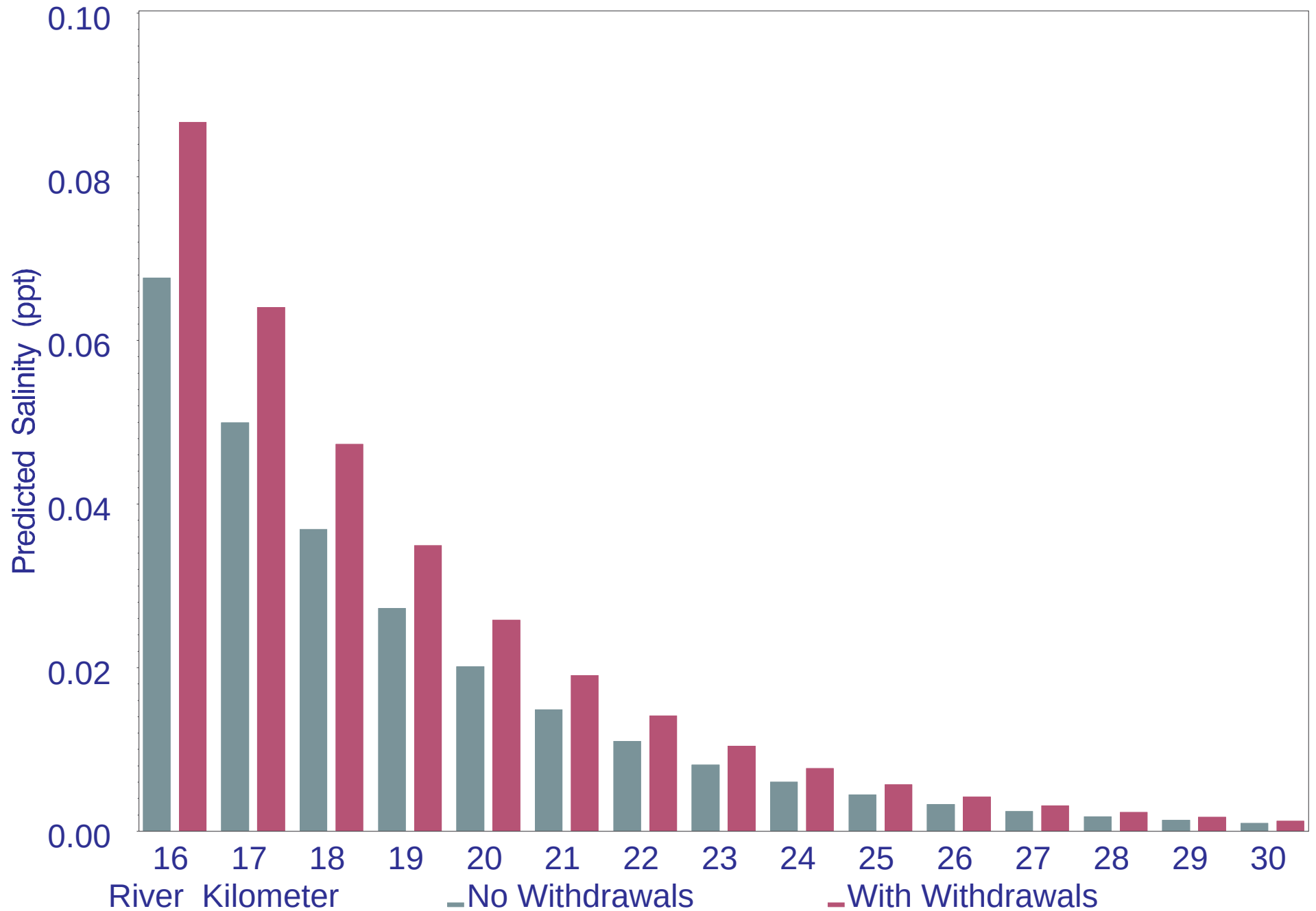
Upper Peace River - Surface Salinity Predictions
Peace River Flow = 400 cfs

C-114



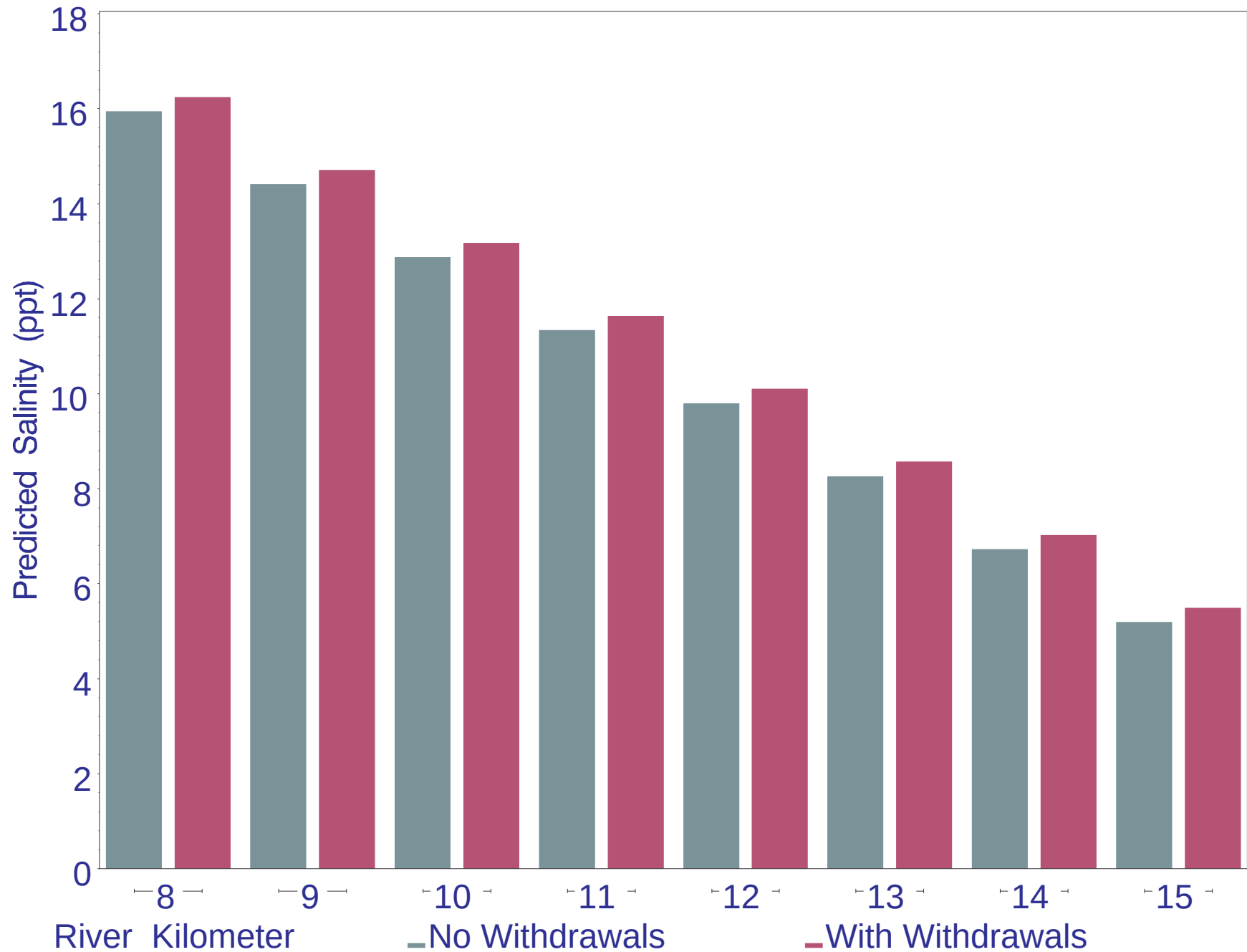
Upper Peace River - Bottom Salinity Predictions
Peace River Flow = 400 cfs

C-115



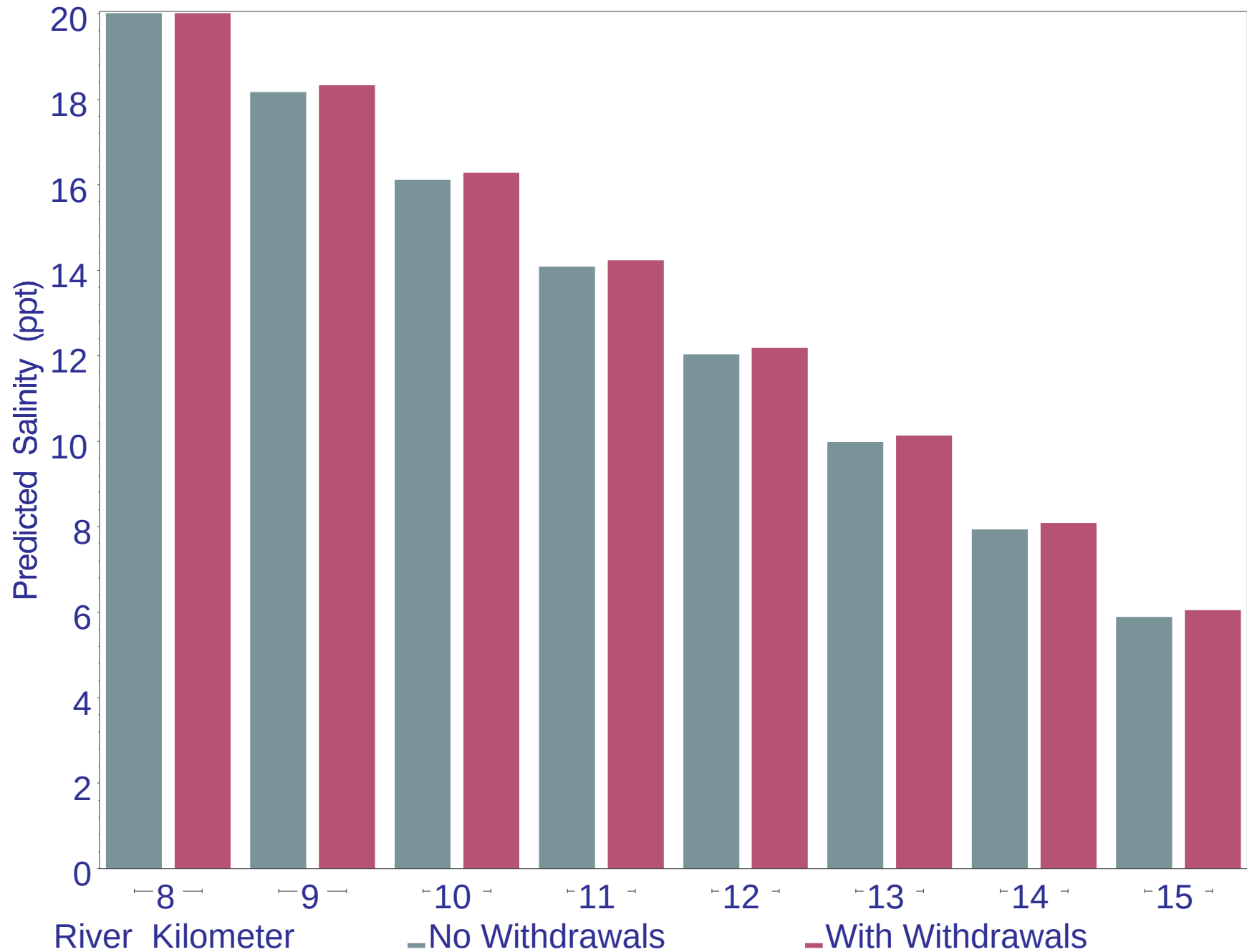
Lower Peace River - Surface Salinity Predictions
Peace River Flow = 400 cfs

C-116



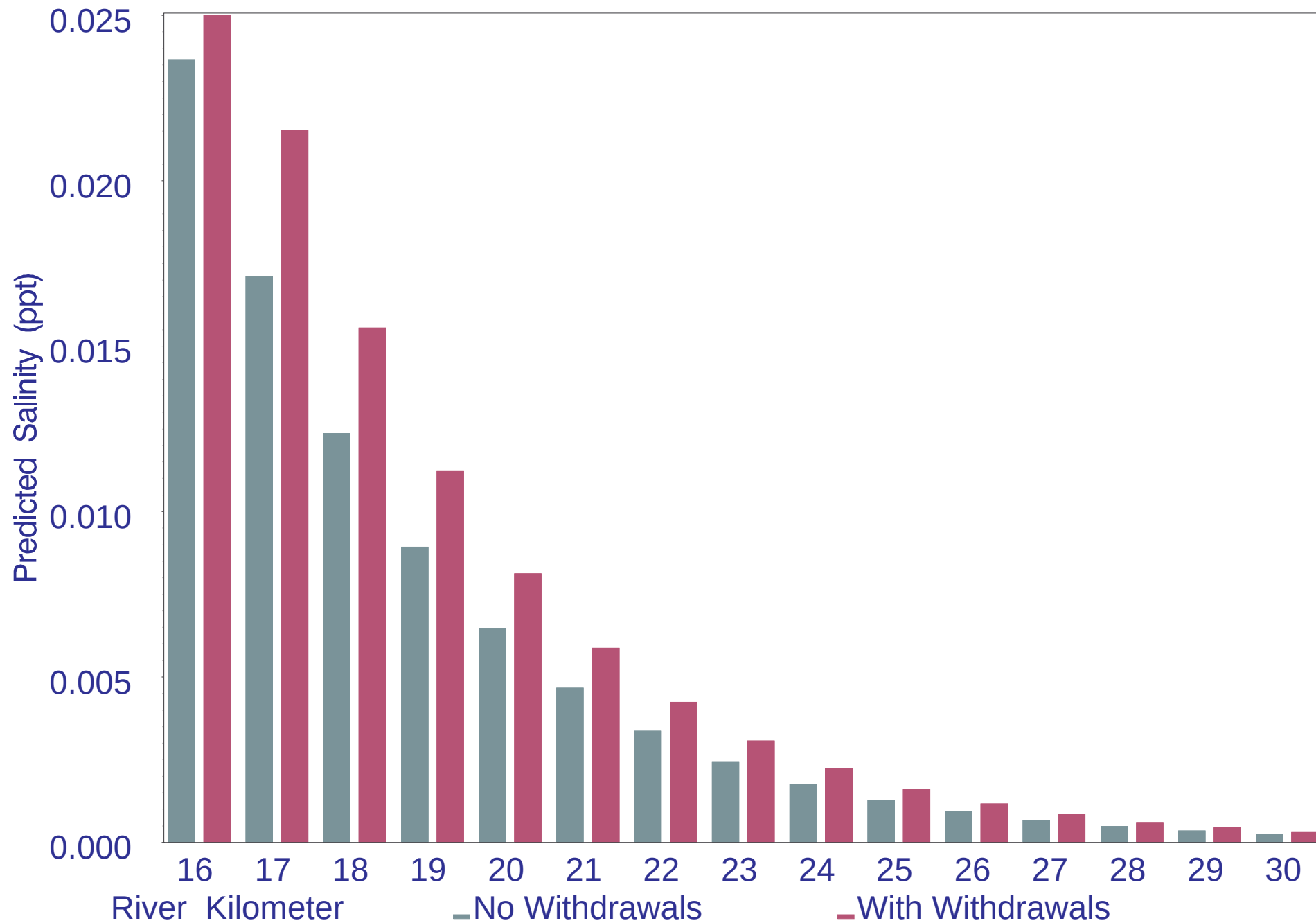
Lower Peace River - Bottom Salinity Predictions
Peace River Flow = 400 cfs

C-117



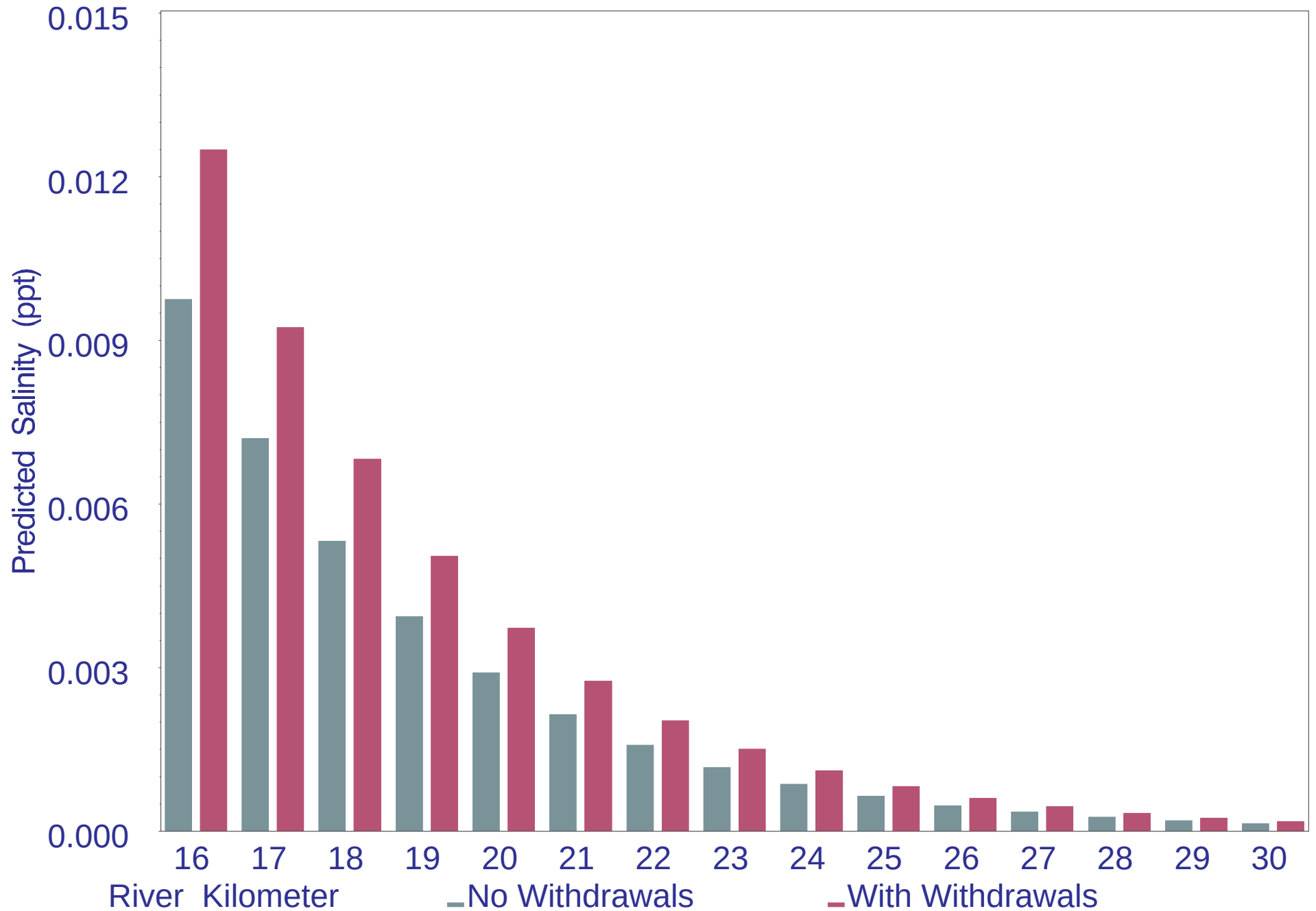
Upper Peace River - Surface Salinity Predictions
Peace River Flow = 800 cfs

C-118



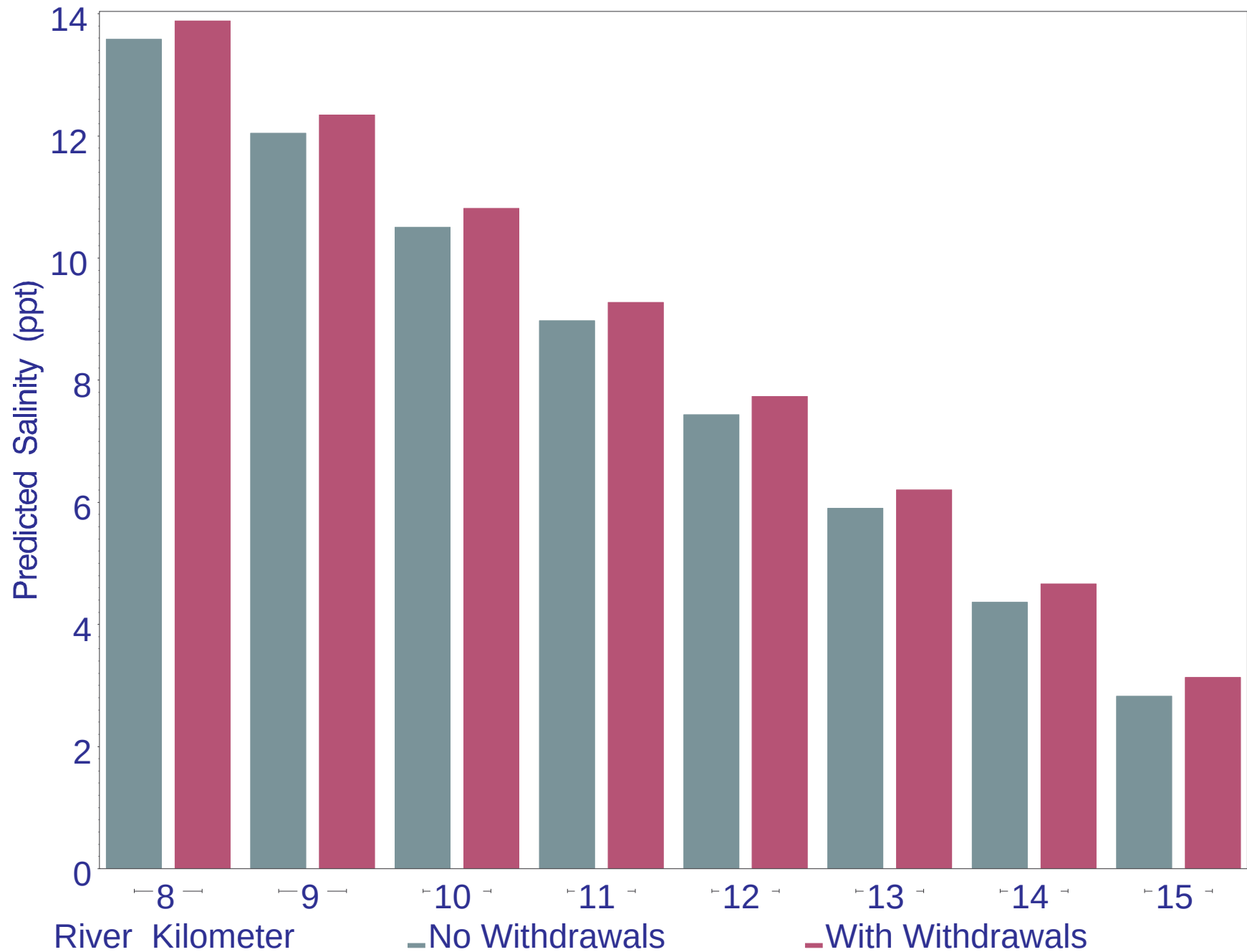
Upper Peace River - Bottom Salinity Predictions
Peace River Flow = 800 cfs

C-119



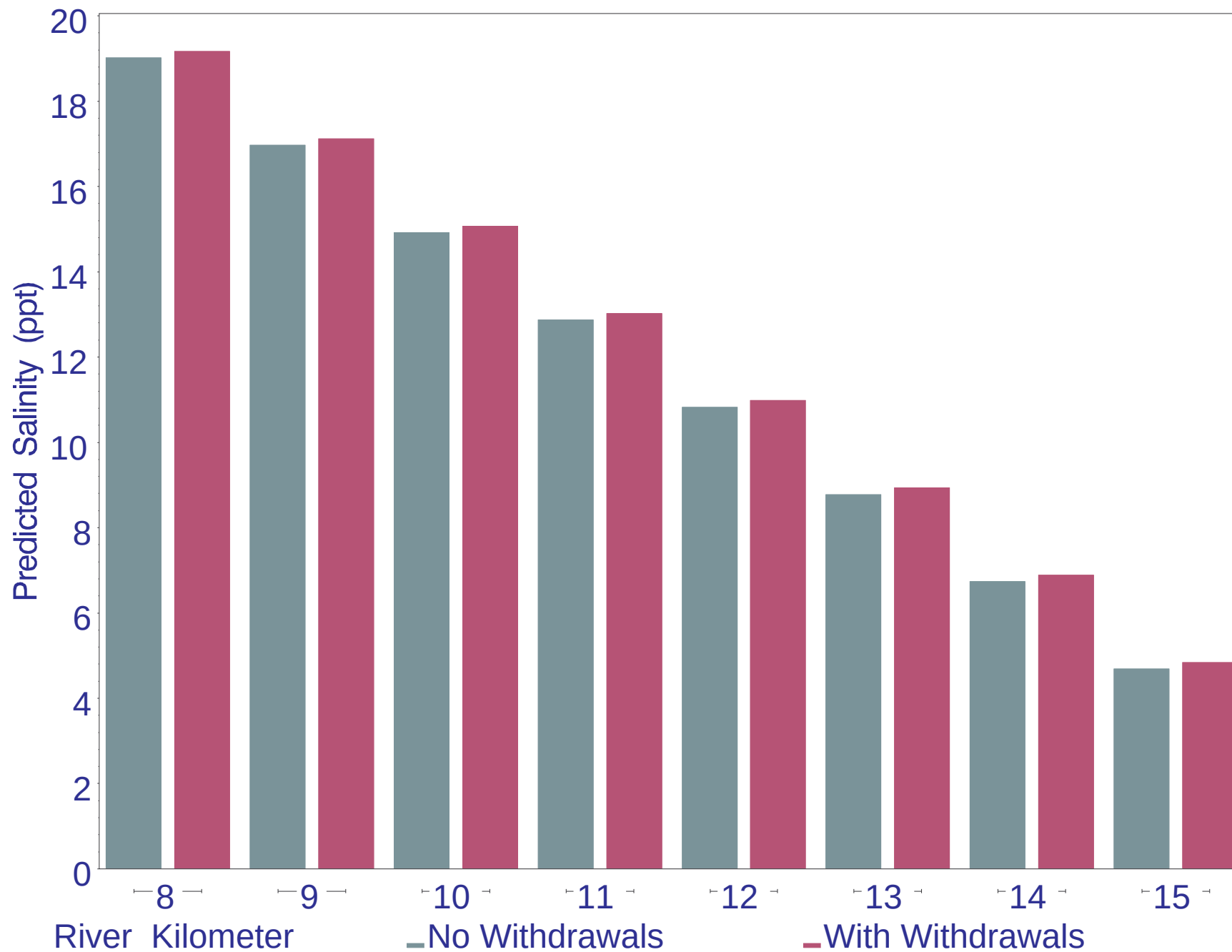
Lower Peace River - Surface Salinity Predictions
Peace River Flow = 800 cfs

C-120



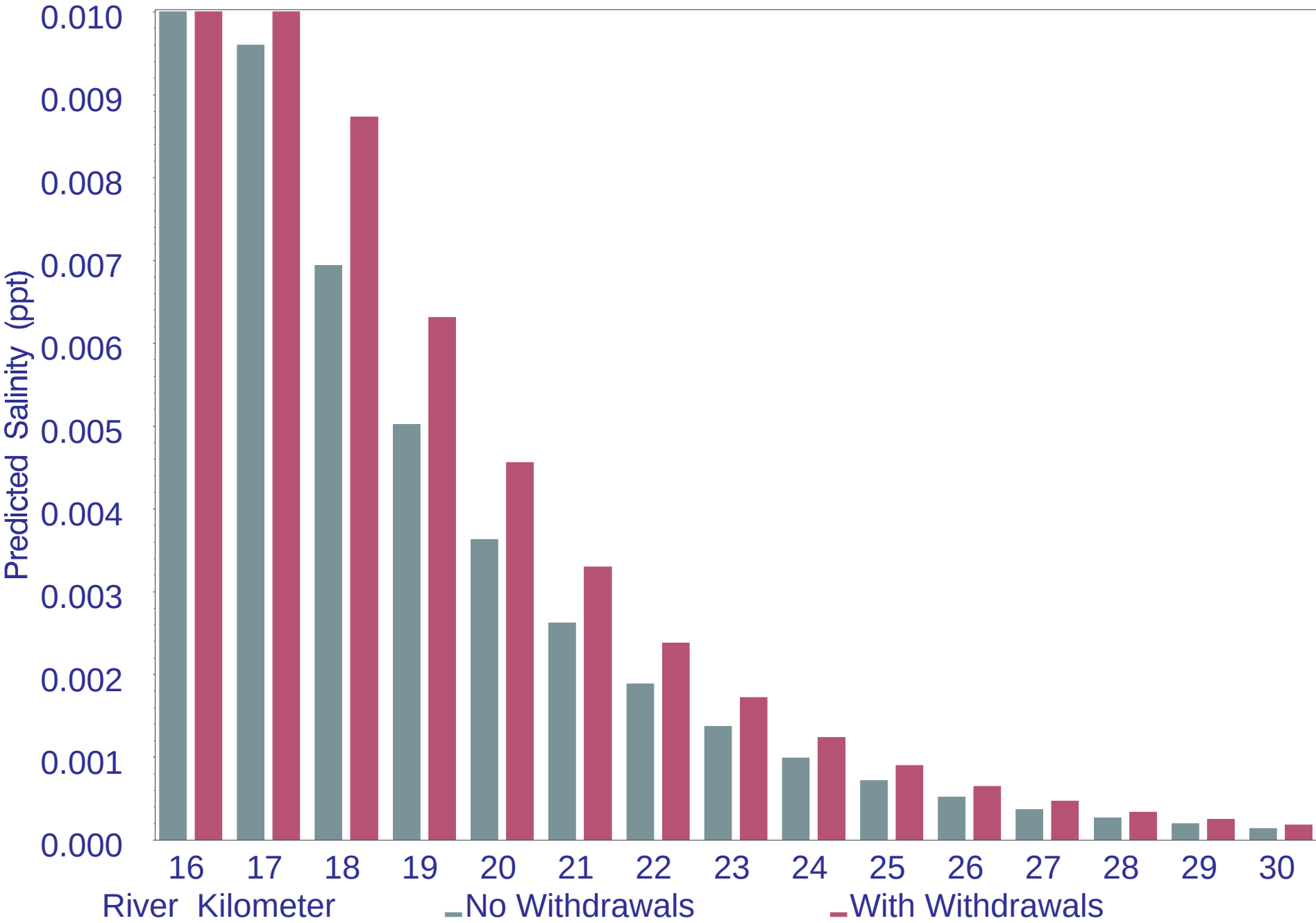
Lower Peace River - Bottom Salinity Predictions
Peace River Flow = 800 cfs

C-121



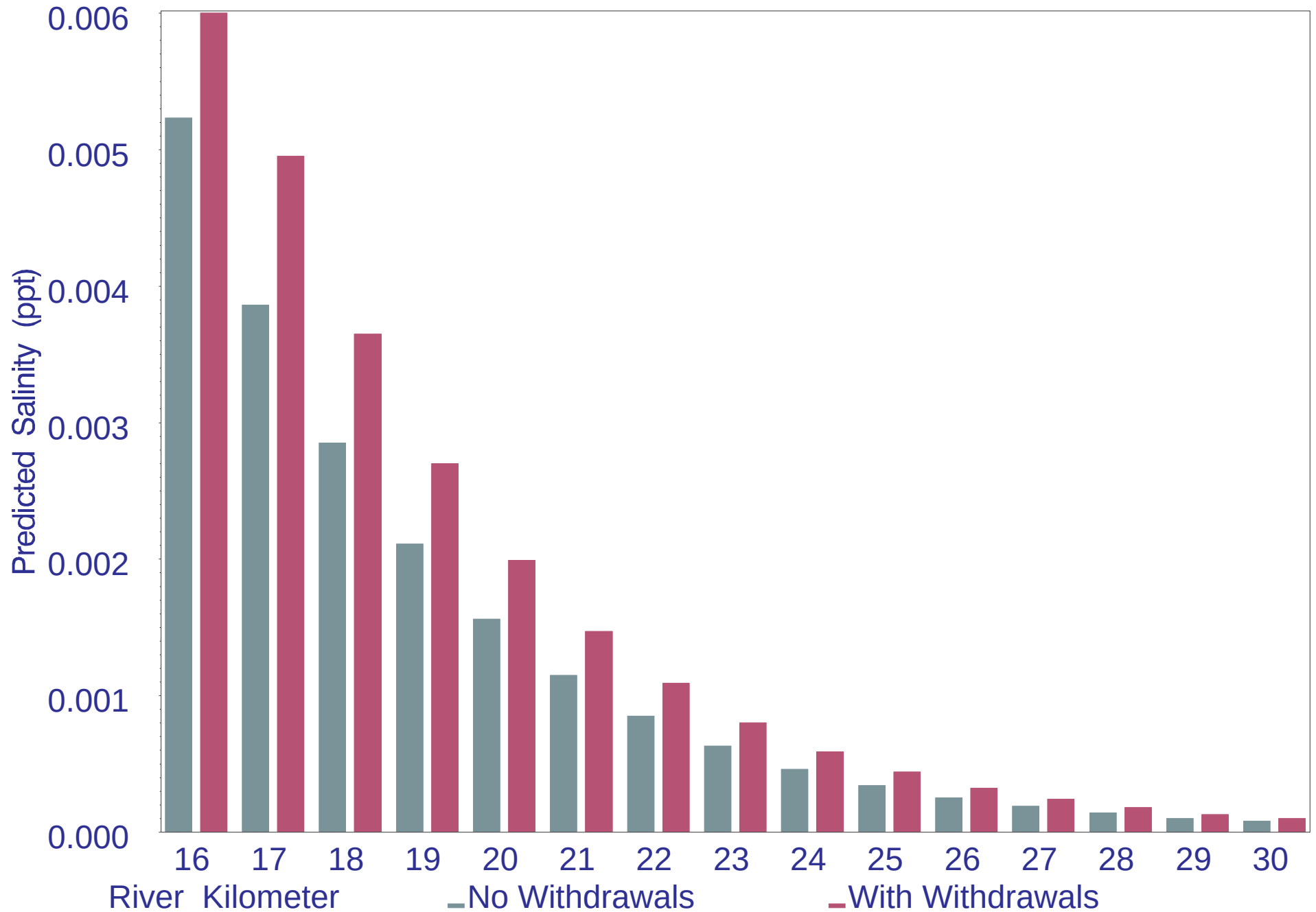
Upper Peace River - Surface Salinity Predictions
Peace River Flow = 1000 cfs

C-122



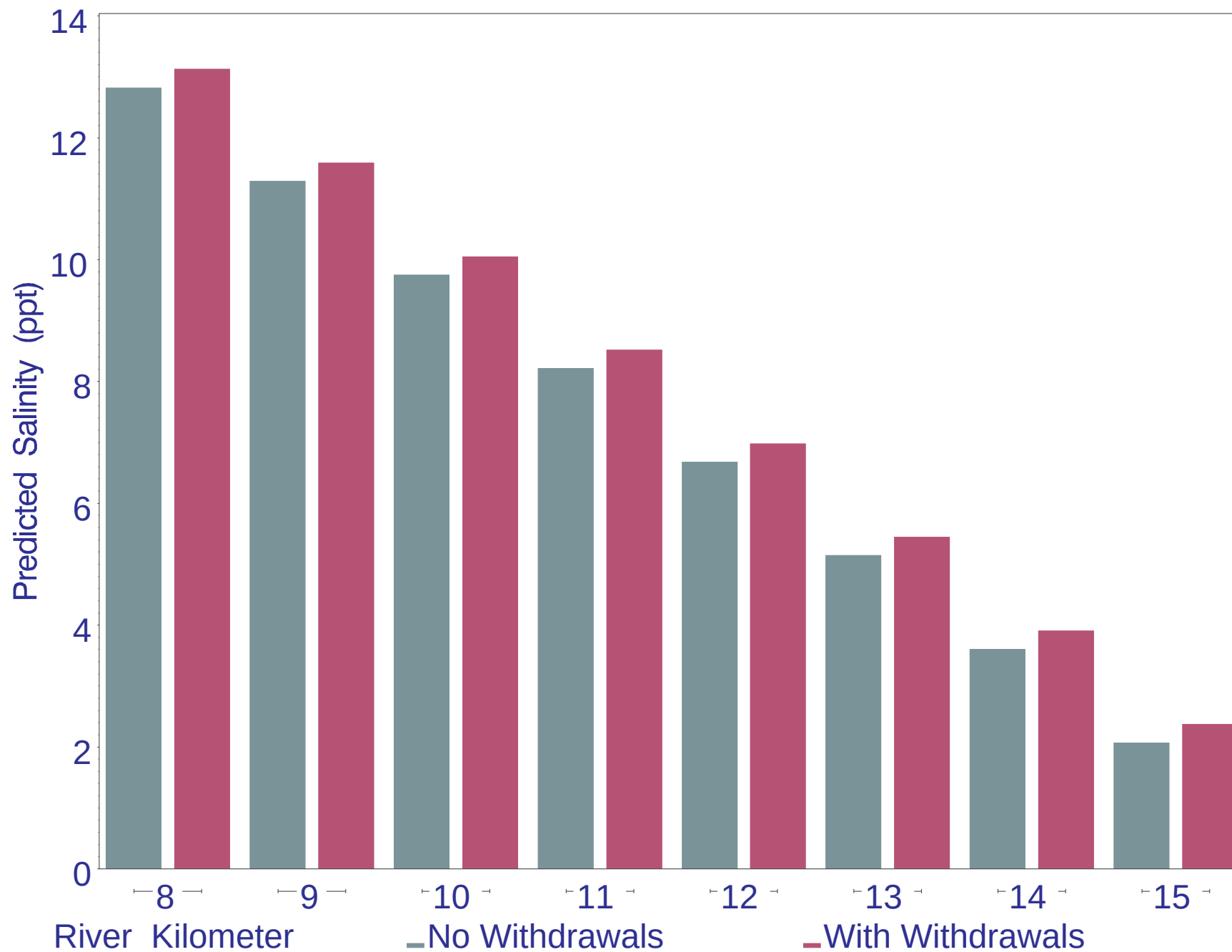
Upper Peace River - Bottom Salinity Predictions
Peace River Flow = 1000 cfs

C-123



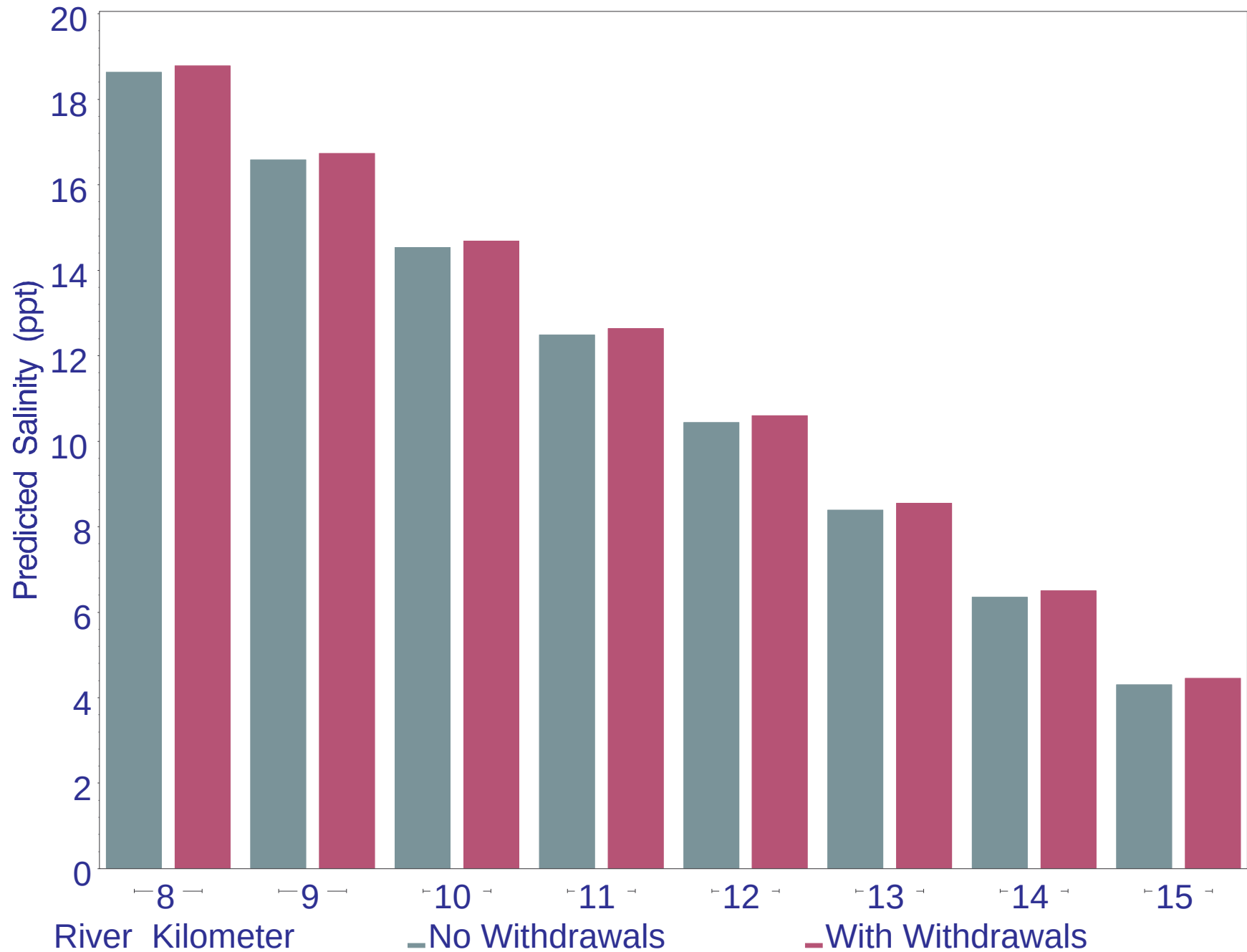
Lower Peace River - Surface Salinity Predictions
Peace River Flow = 1000 cfs

C-124



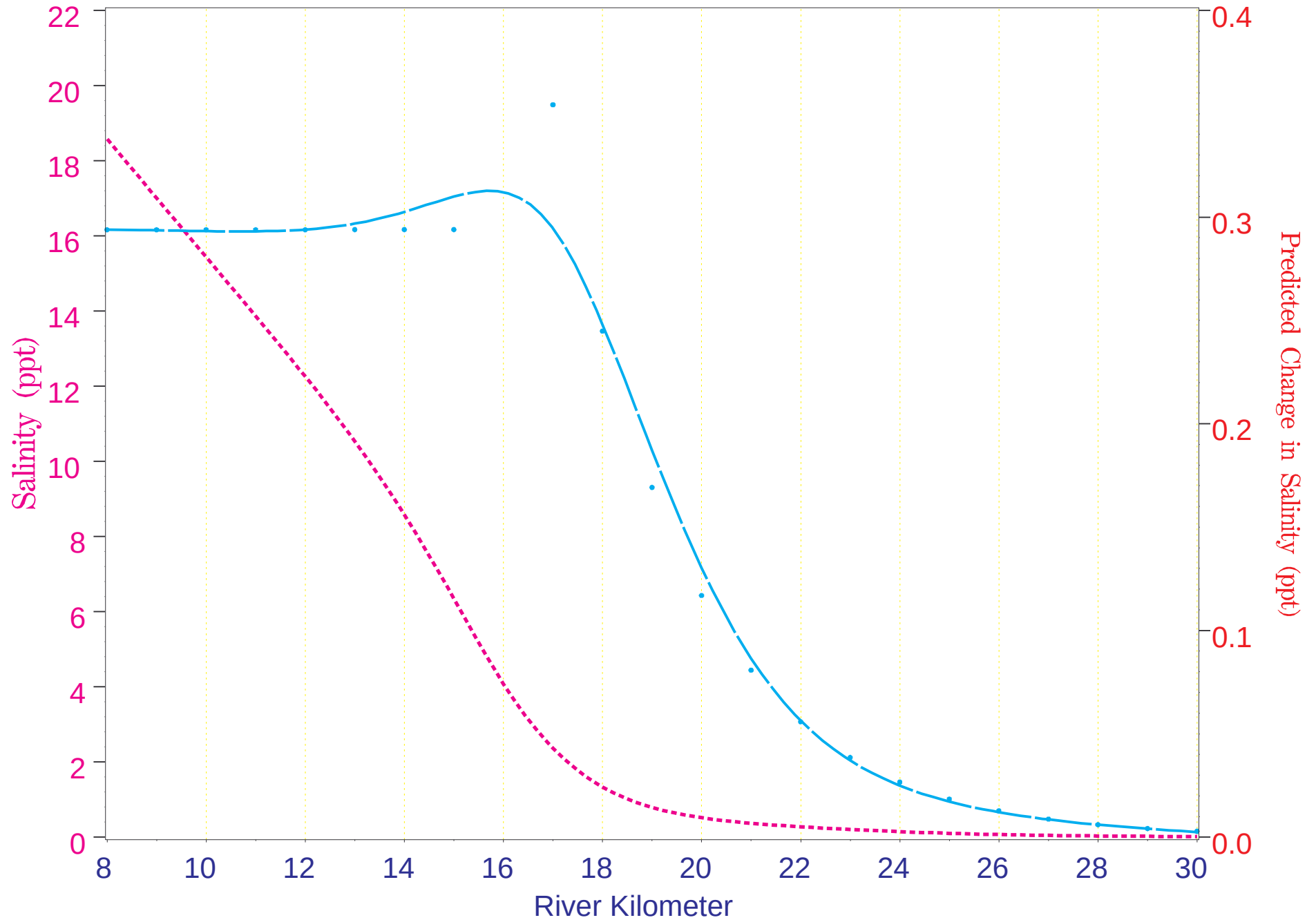
Lower Peace River - Bottom Salinity Predictions
Peace River Flow = 1000 cfs

C-125



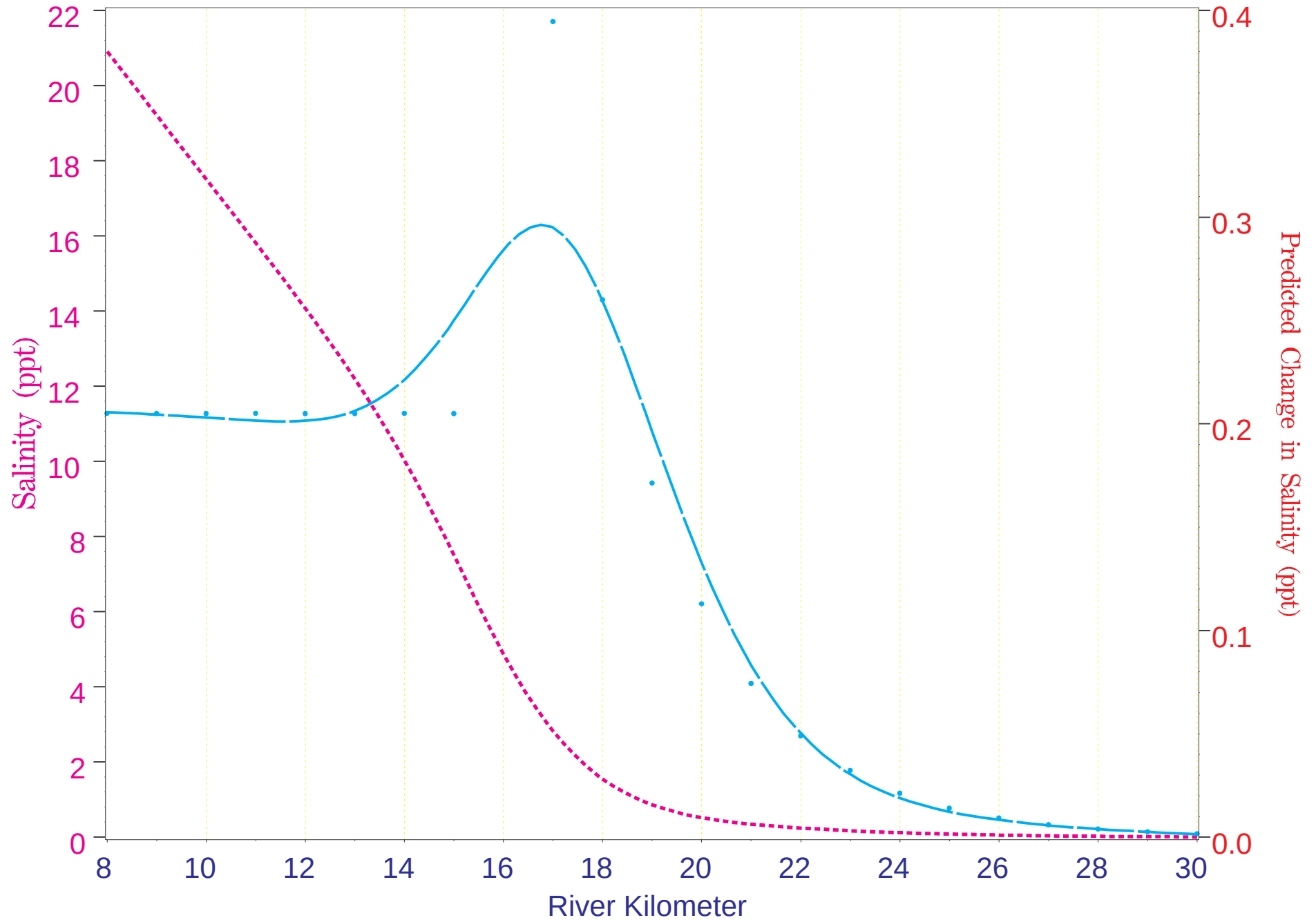
Predicted Salinity & Change Under Maximum Permitted Daily Withdrawal
Surface - 200 cfs at Arcadia

C-126



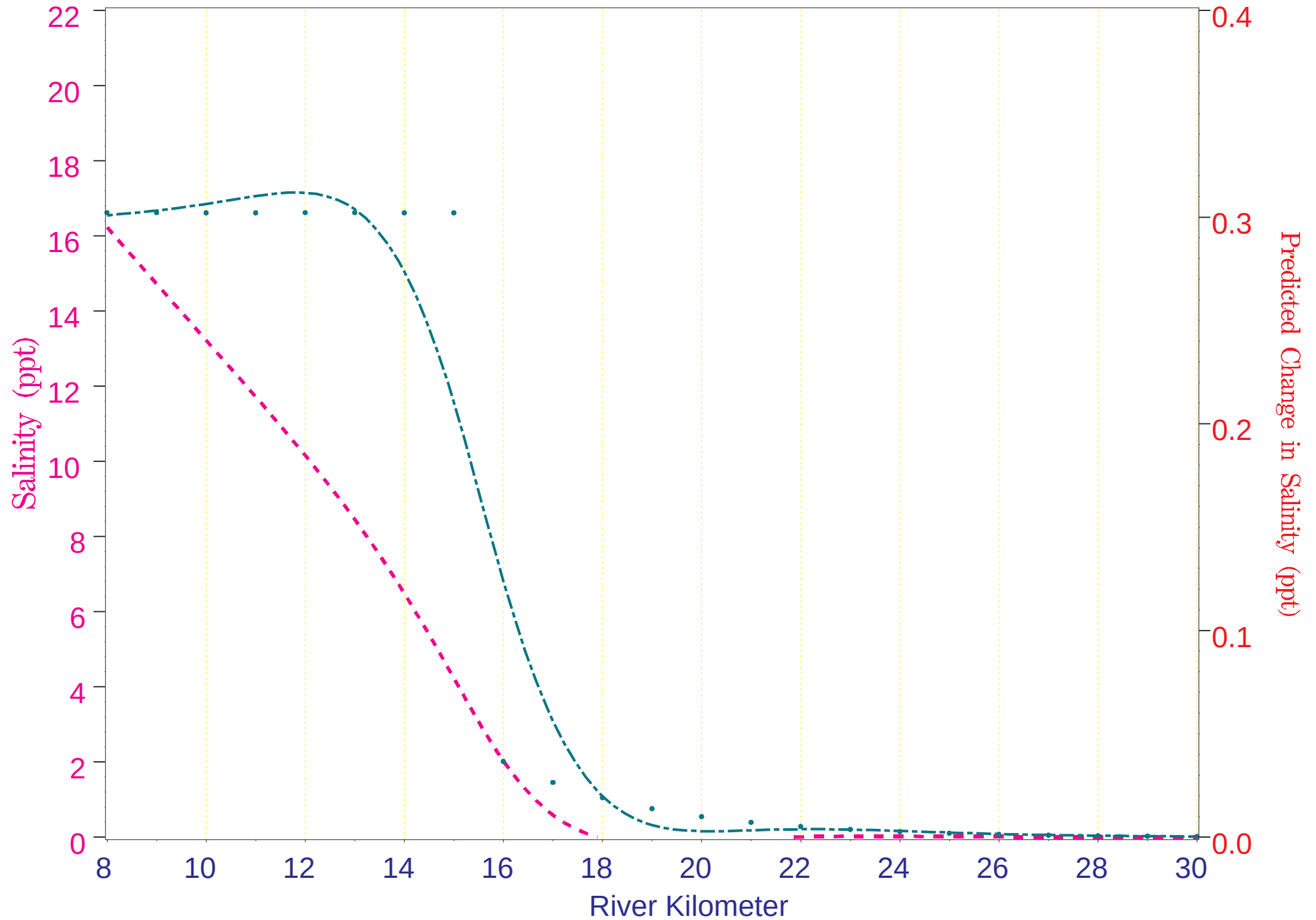
Predicted Salinity & Change Under Maximum Permitted Daily Withdrawal
Bottom - 200 cfs at Arcadia

C-127



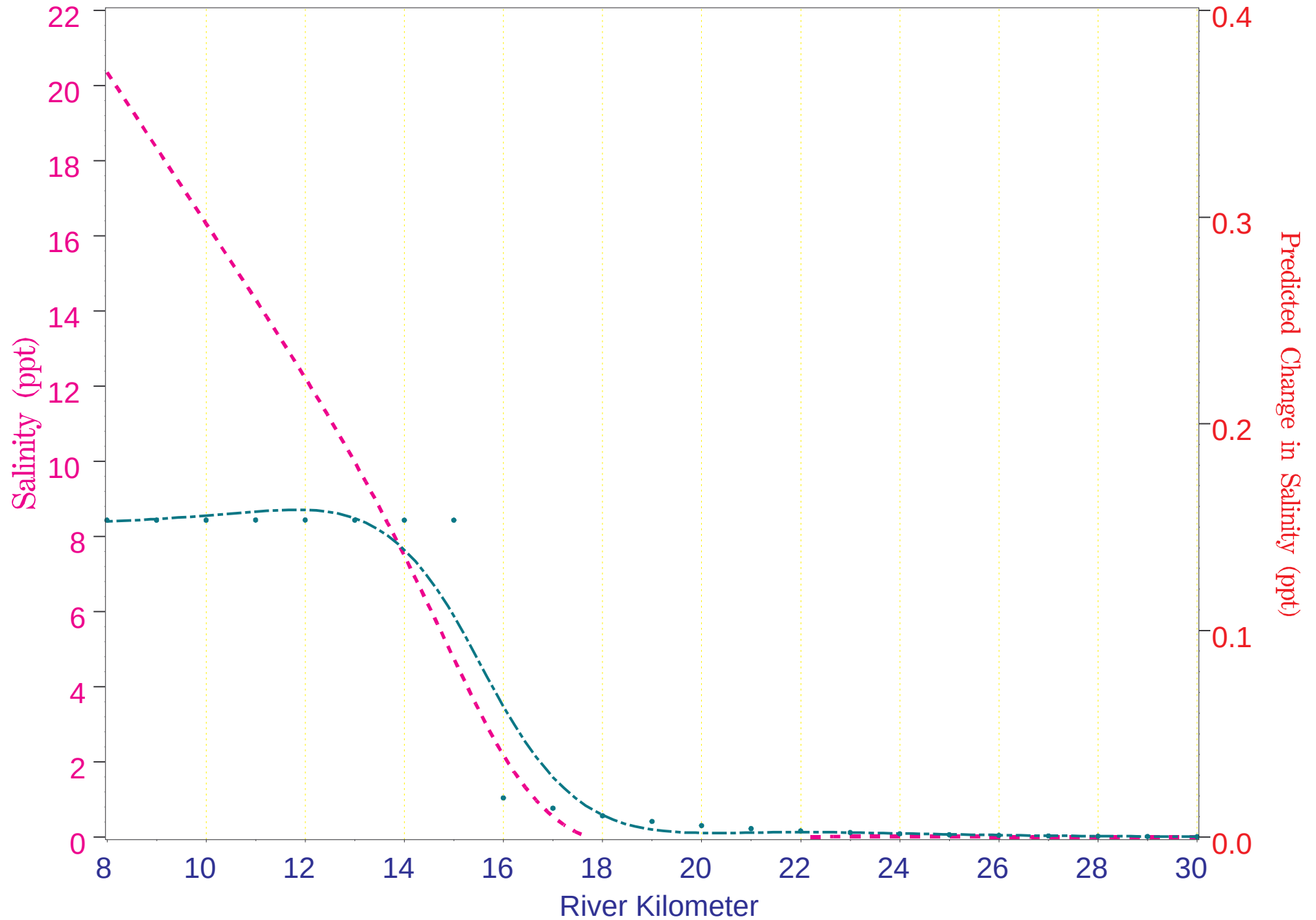
Predicted Salinity & Change Under Maximum Permitted Daily Withdrawal
Surface - 400 cfs at Arcadia

C-128



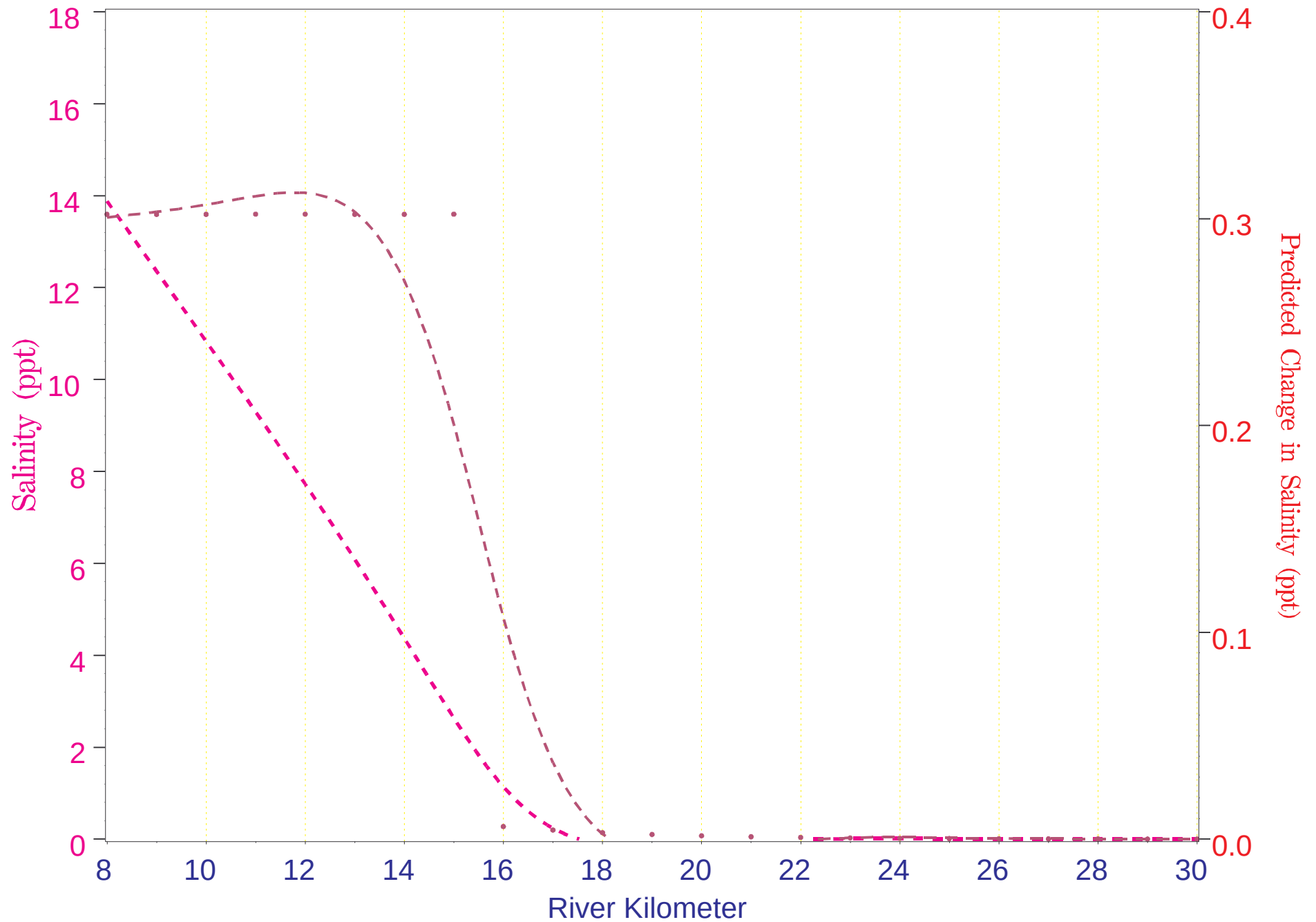
Predicted Salinity & Change Under Maximum Permitted Daily Withdrawal
Bottom - 400 cfs at Arcadia

C-129



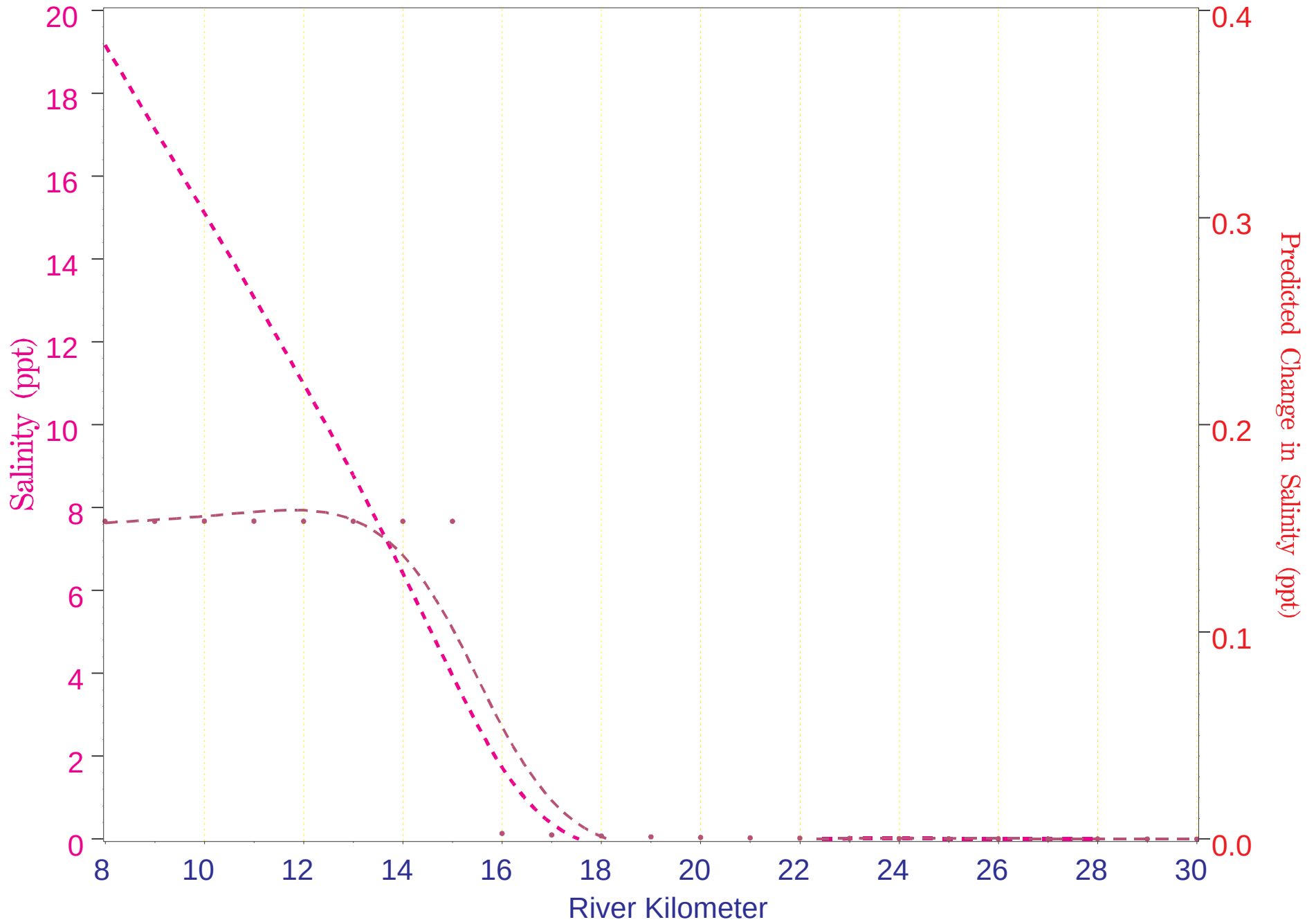
Predicted Salinity & Change Under Maximum Permitted Daily Withdrawal
Surface - 800 cfs at Arcadia

C-130



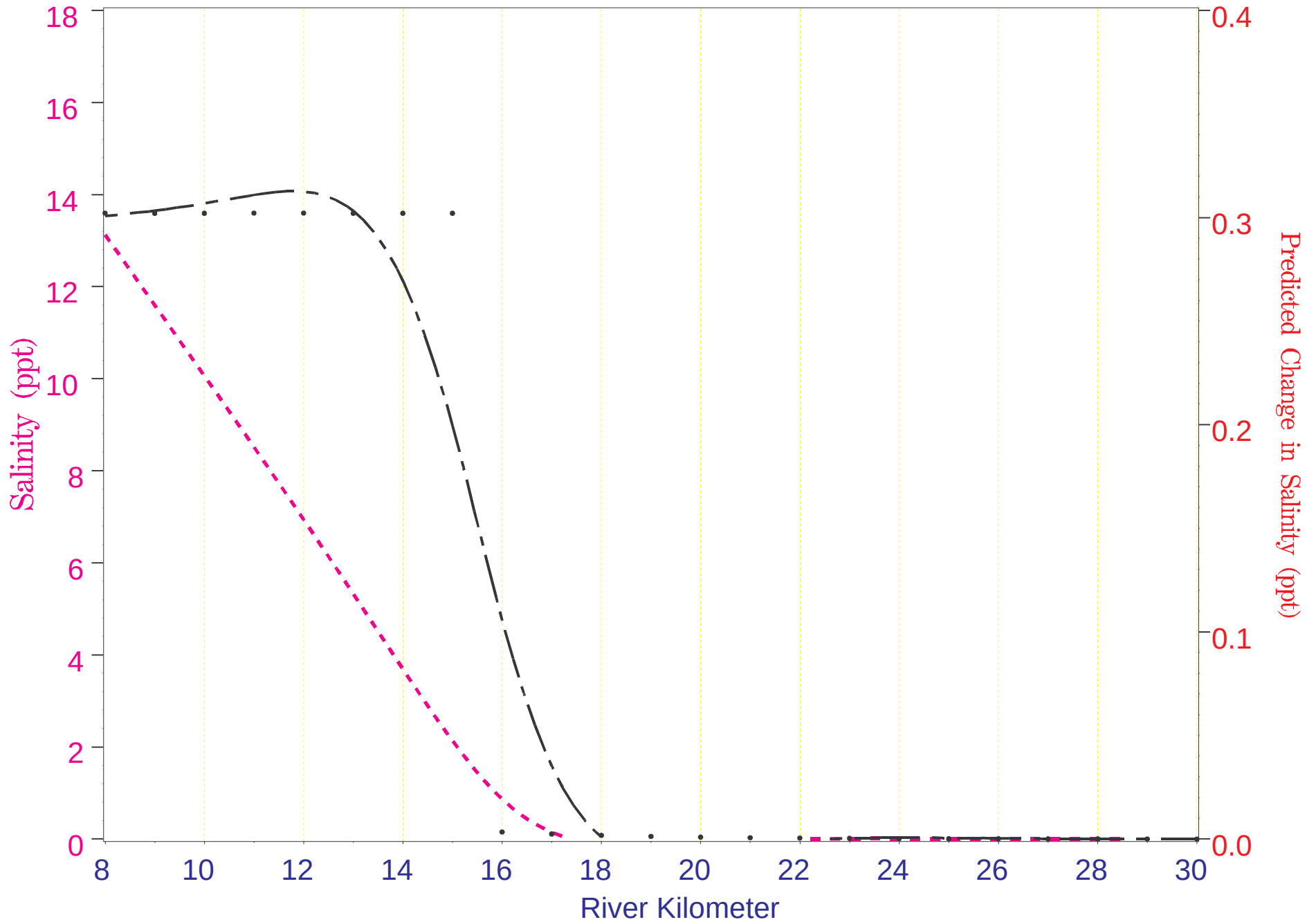
Predicted Salinity & Change Under Maximum Permitted Daily Withdrawal
Bottom - 800 cfs at Arcadia

C-131



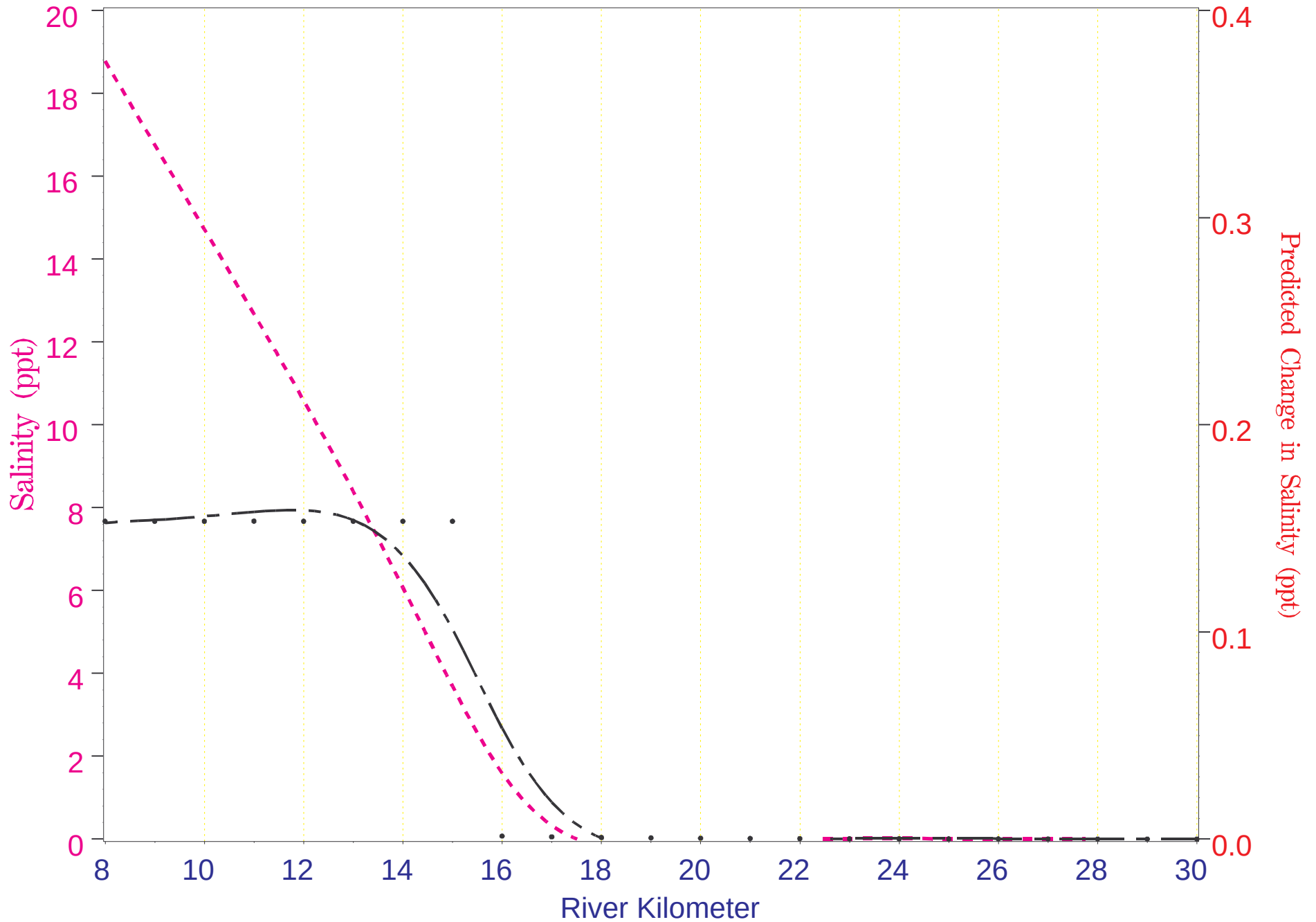
Predicted Salinity & Change Under Maximum Permitted Daily Withdrawal
Surface - 1000 cfs at Arcadia

C-132



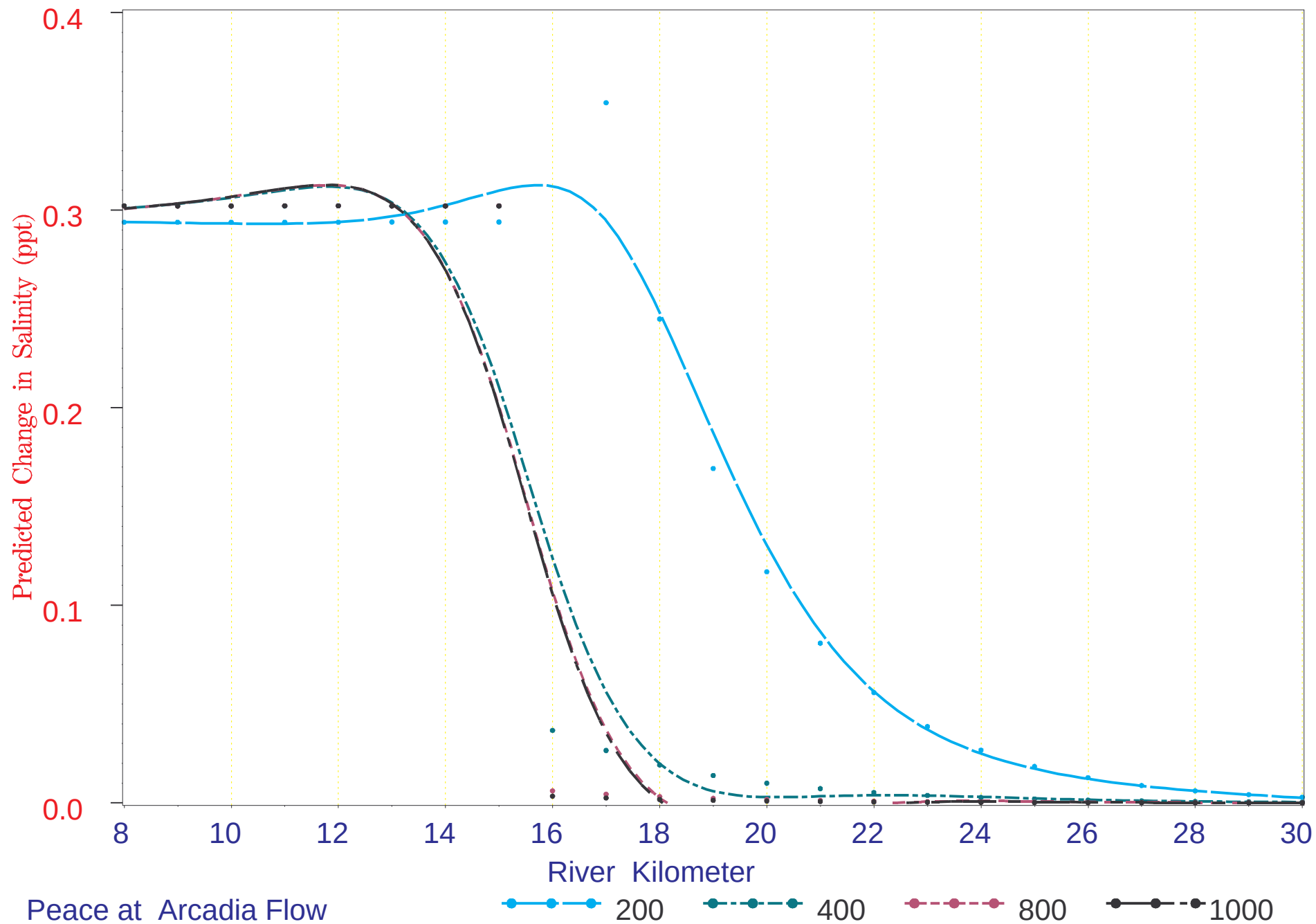
Predicted Salinity & Change Under Maximum Permitted Daily Withdrawal
Bottom - 1000 cfs at Arcadia

C-133



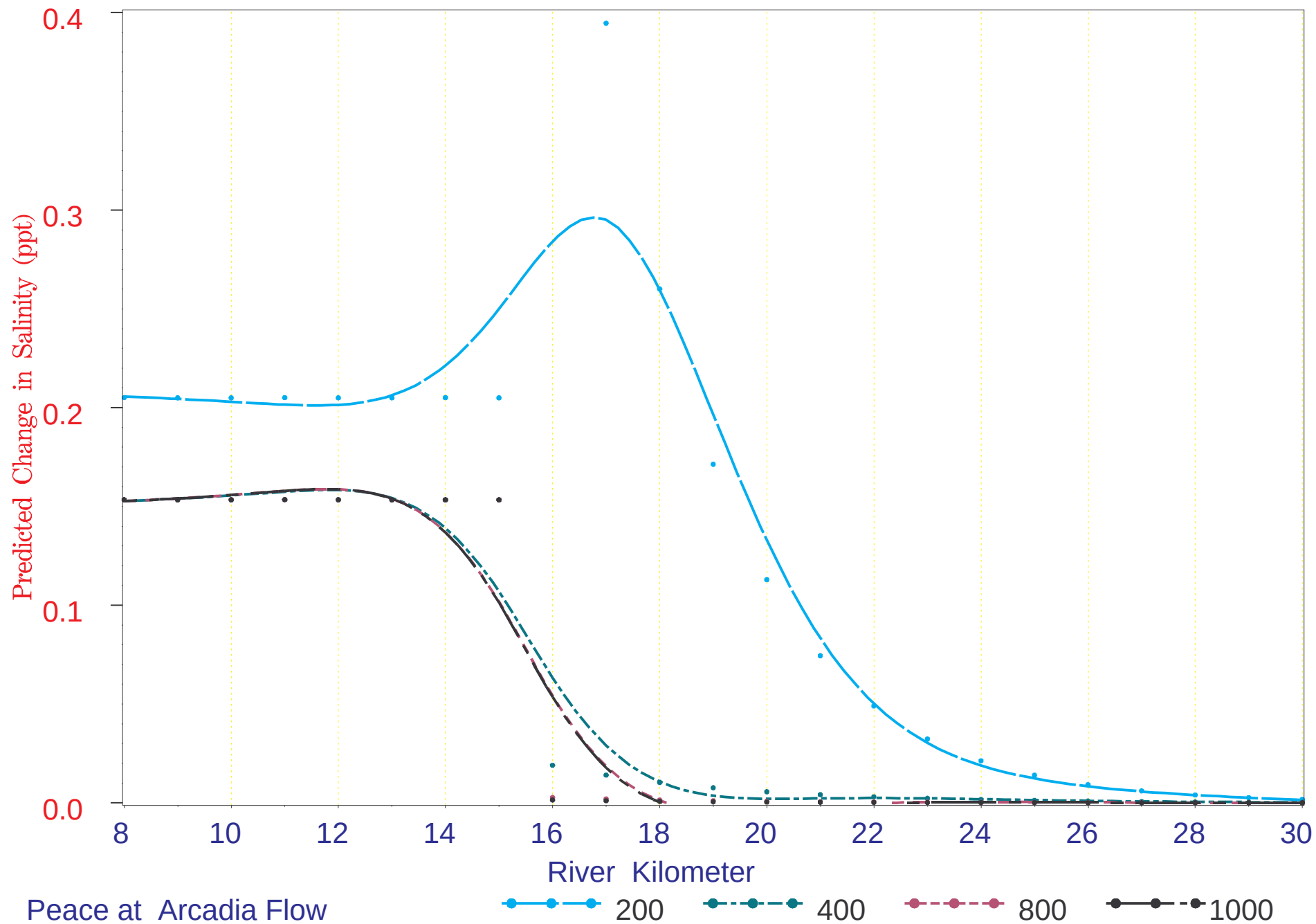
Predicted Salinity & Change Under Maximum Permitted Daily Withdrawal Surface

C-134



Predicted Salinity & Change Under Maximum Permitted Daily Withdrawal Bottom

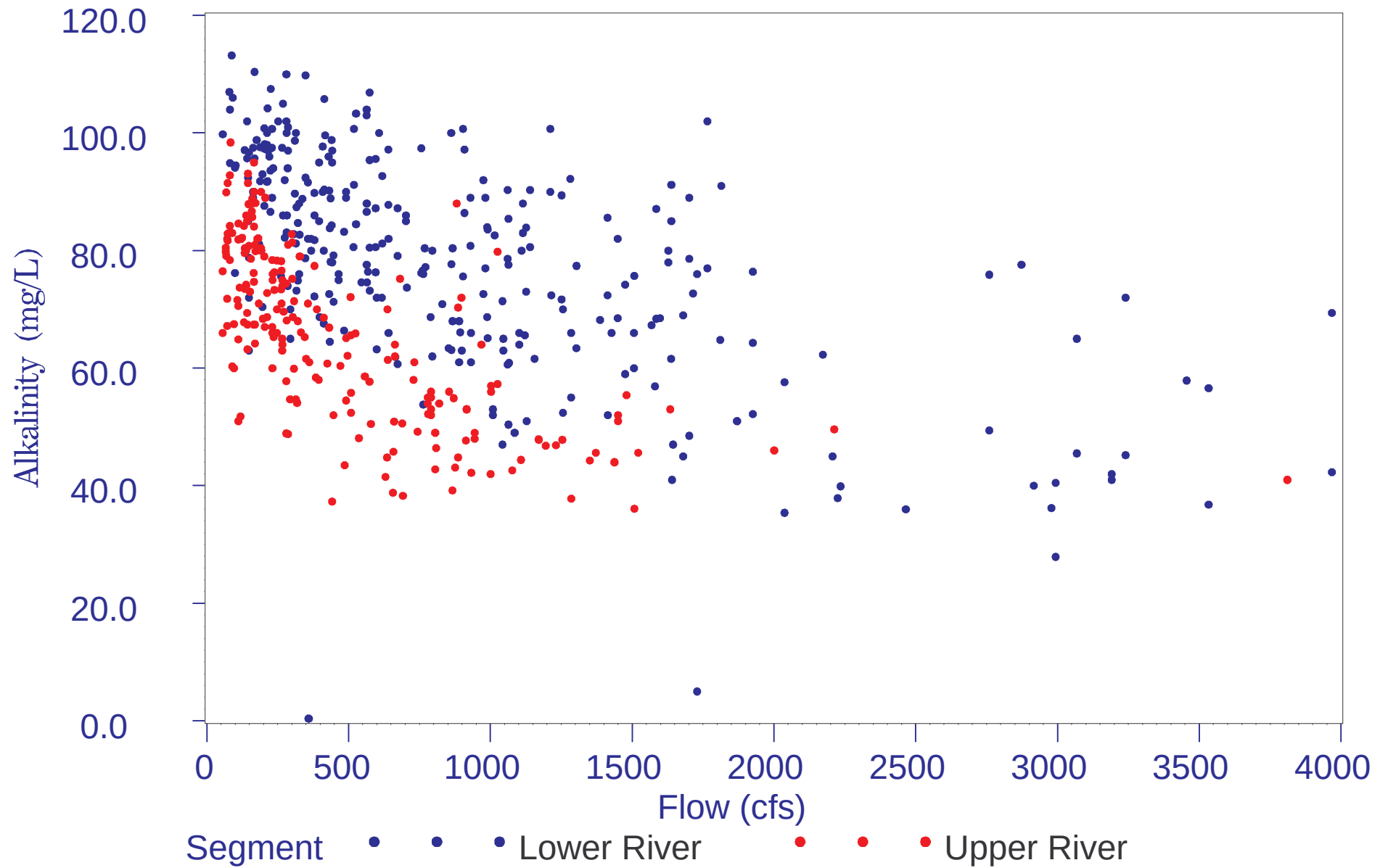
C-135



Peace at Arcadia Flow

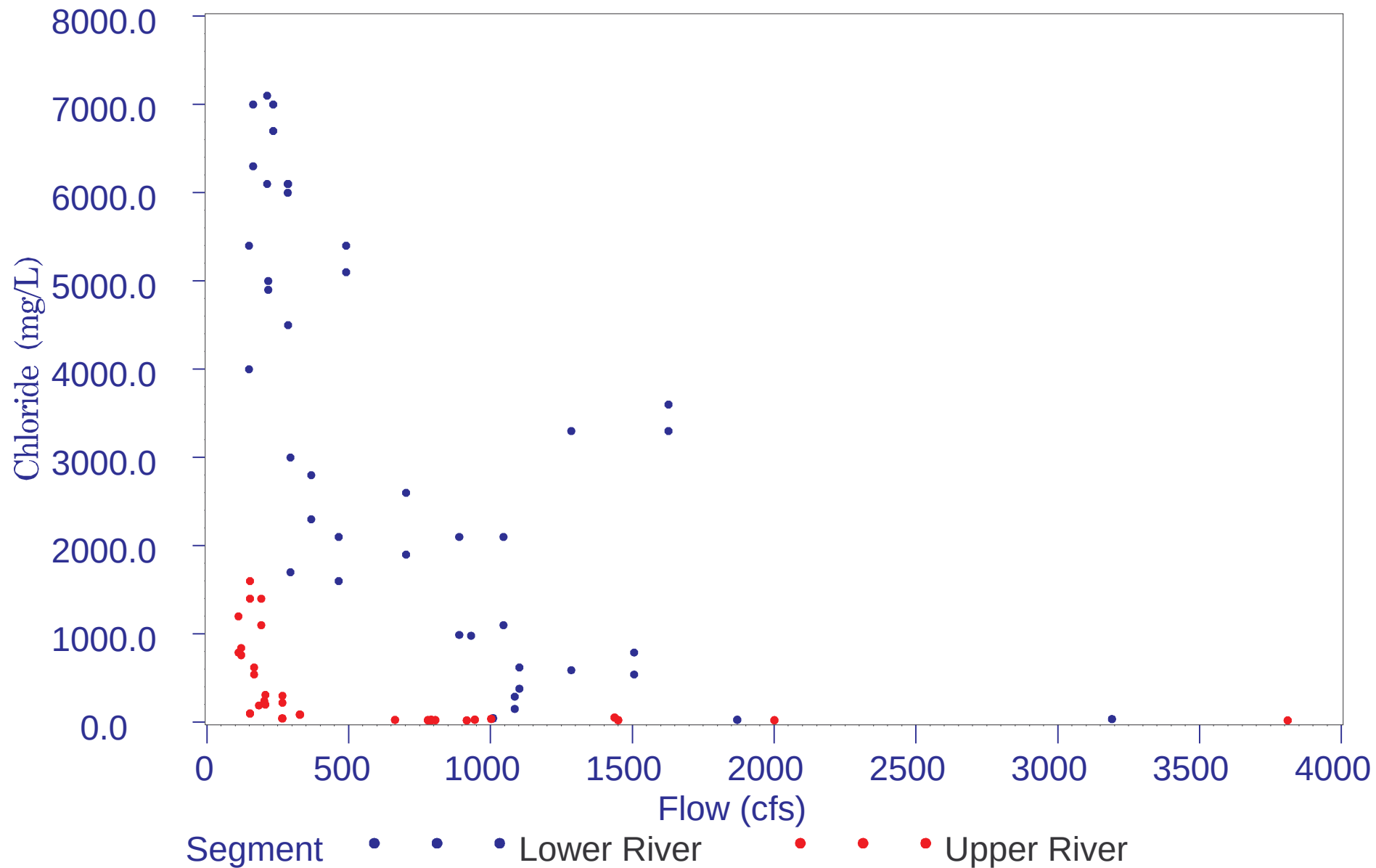
Alkalinity - Flow Relationship
1984- 1998

C-136



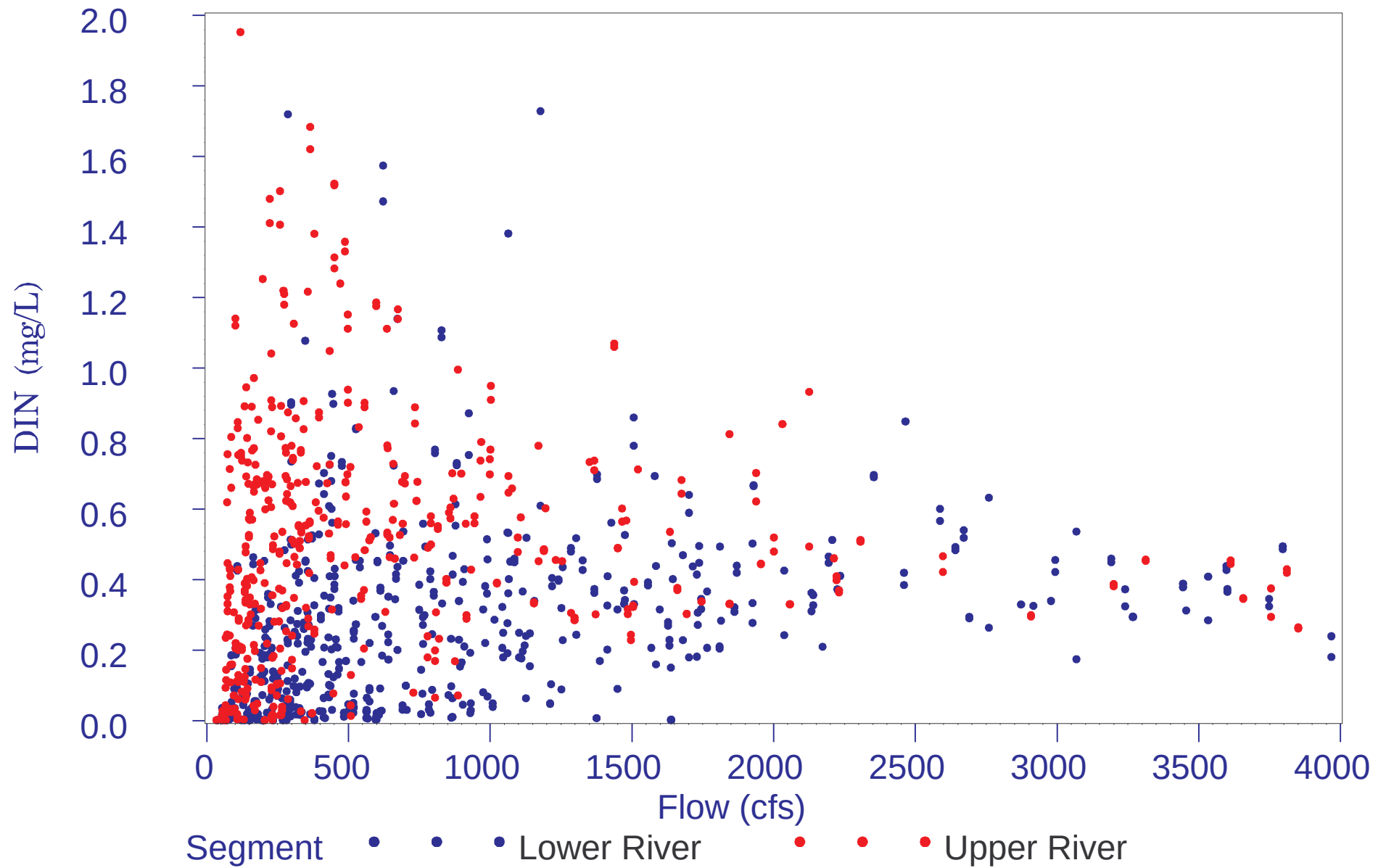
Chloride - Flow Relationship 1996-1998

C-137



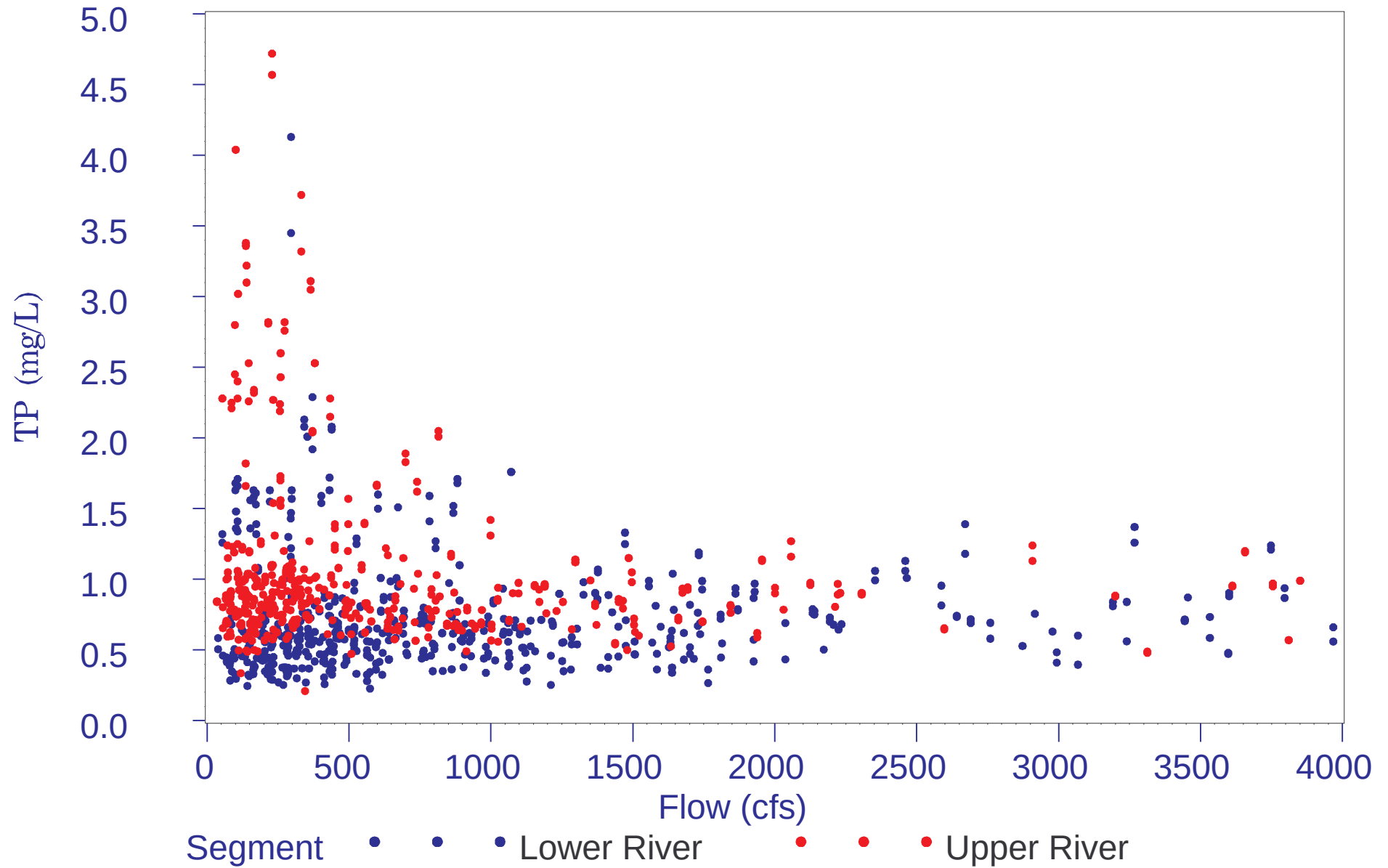
Dissolved Inorganic Nitrogen - Flow Relationship
1976- 1998

C-138



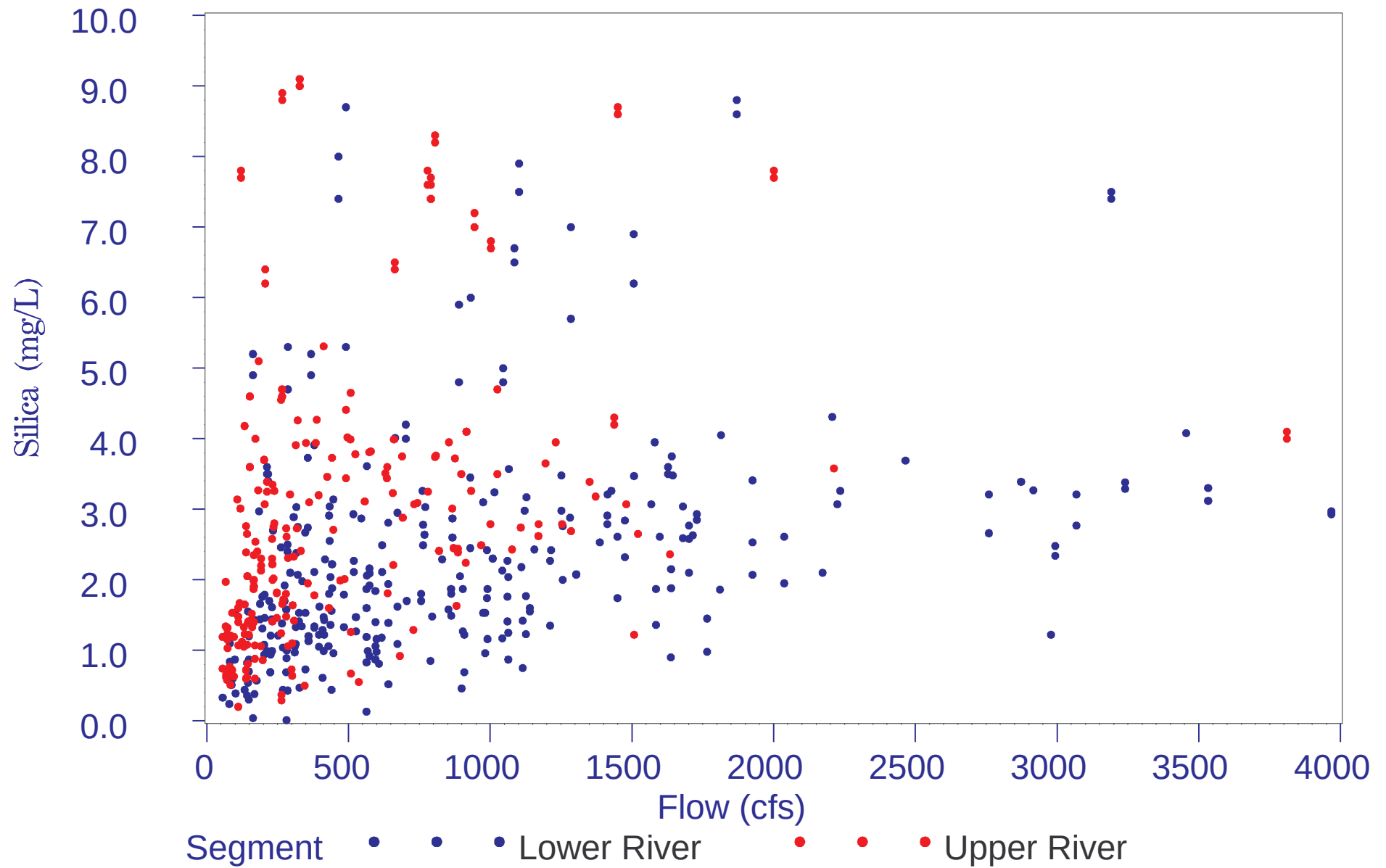
Total Phosphorus - Flow Relationship
1976- 1998

C-139



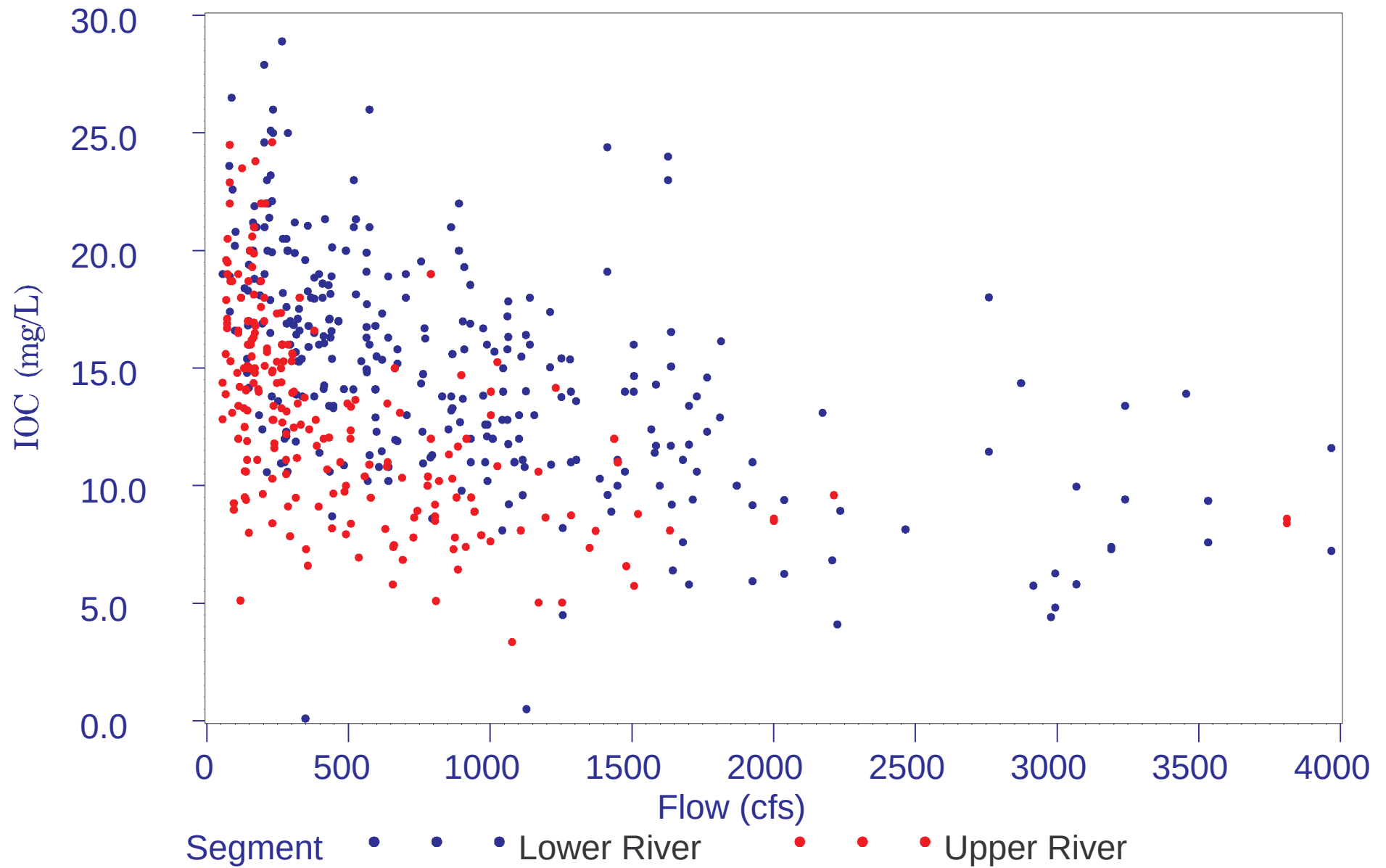
Silica - Flow Relationship
1984- 1998

C-140



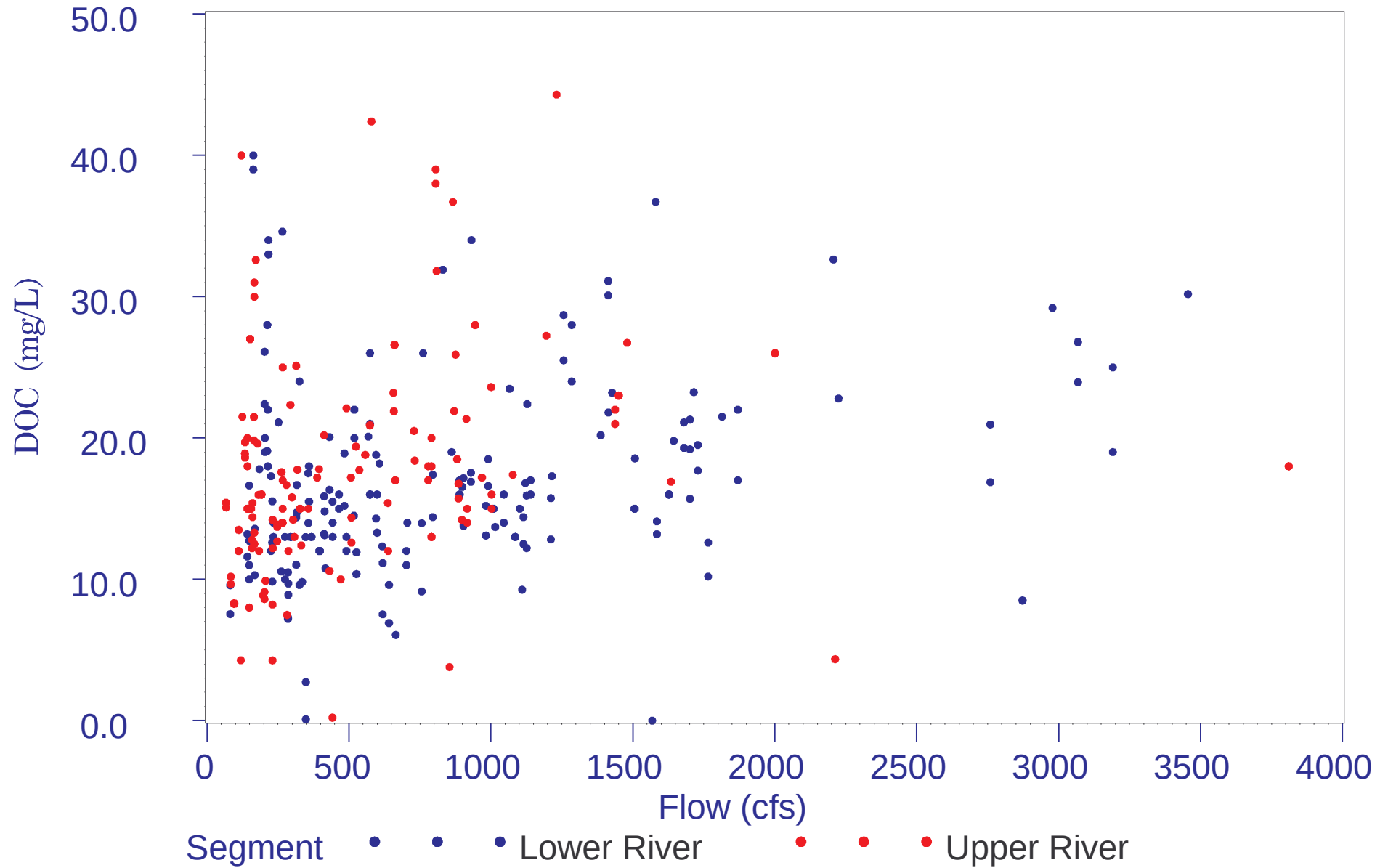
Inorganic Carbon - Flow Relationship
1984- 1998

C-141



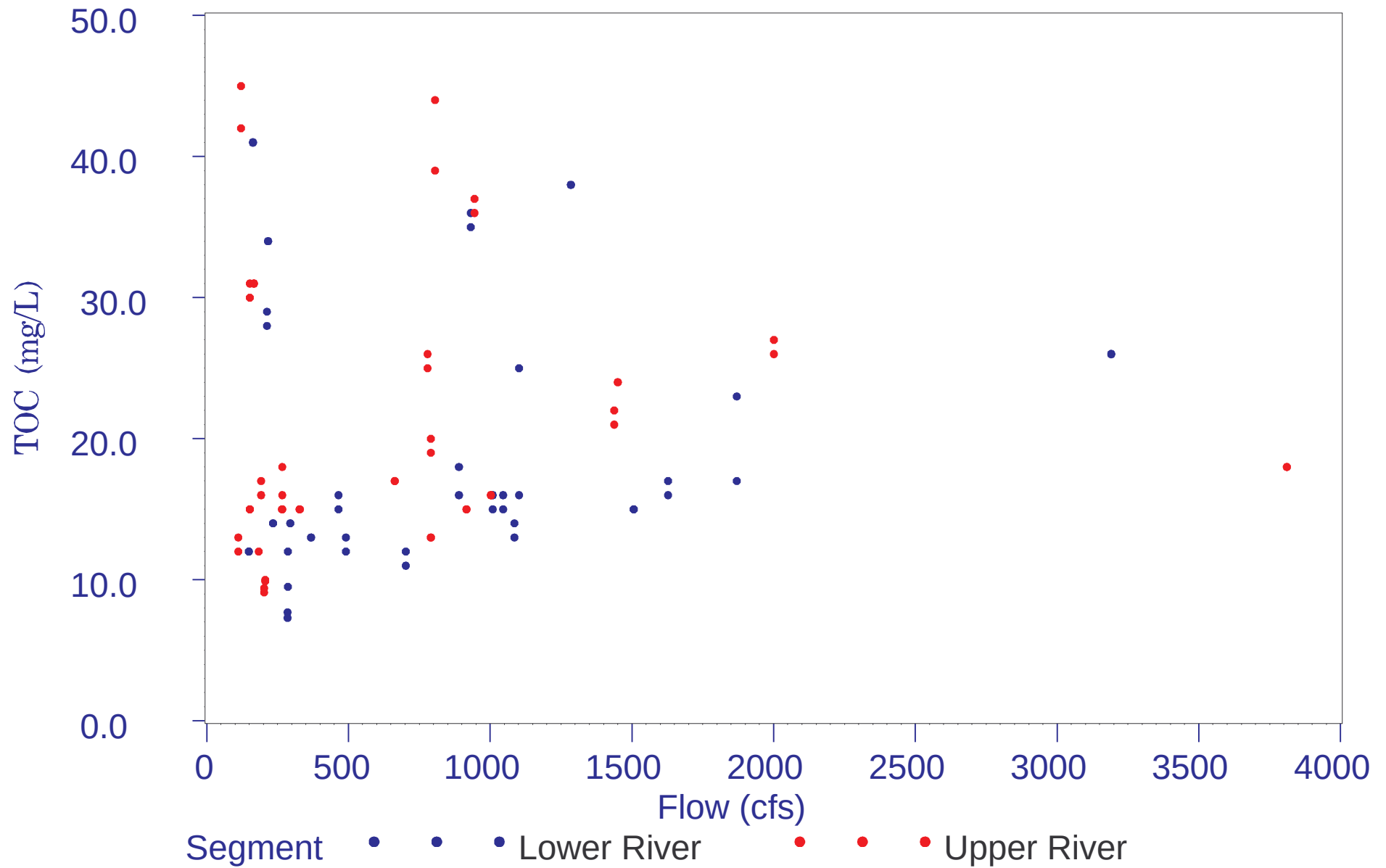
Dissolved Organic Carbon - Flow Relationship
1996- 1998

C-142



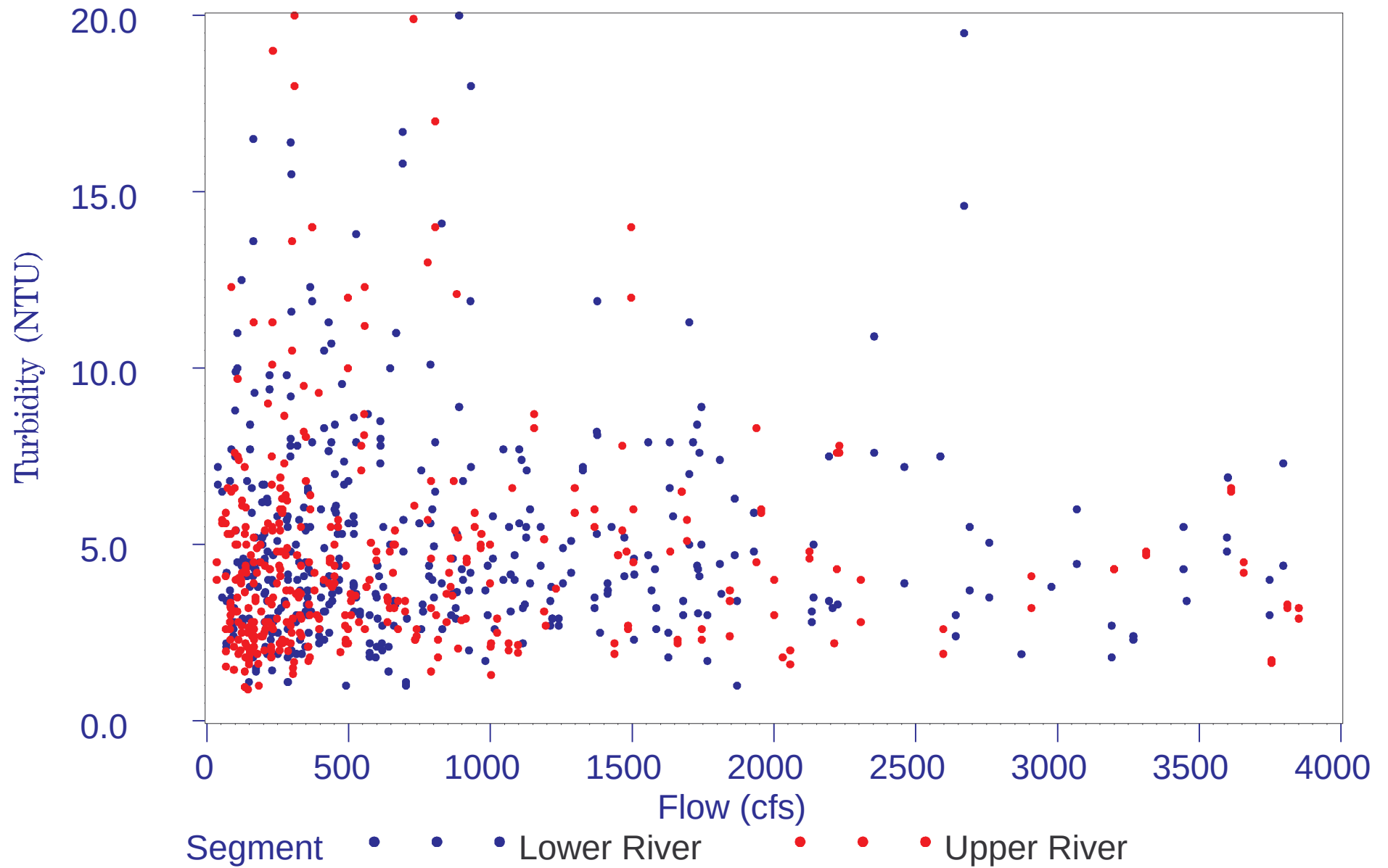
Total Organic Carbon - Flow Relationship 1996- 1998

C-143



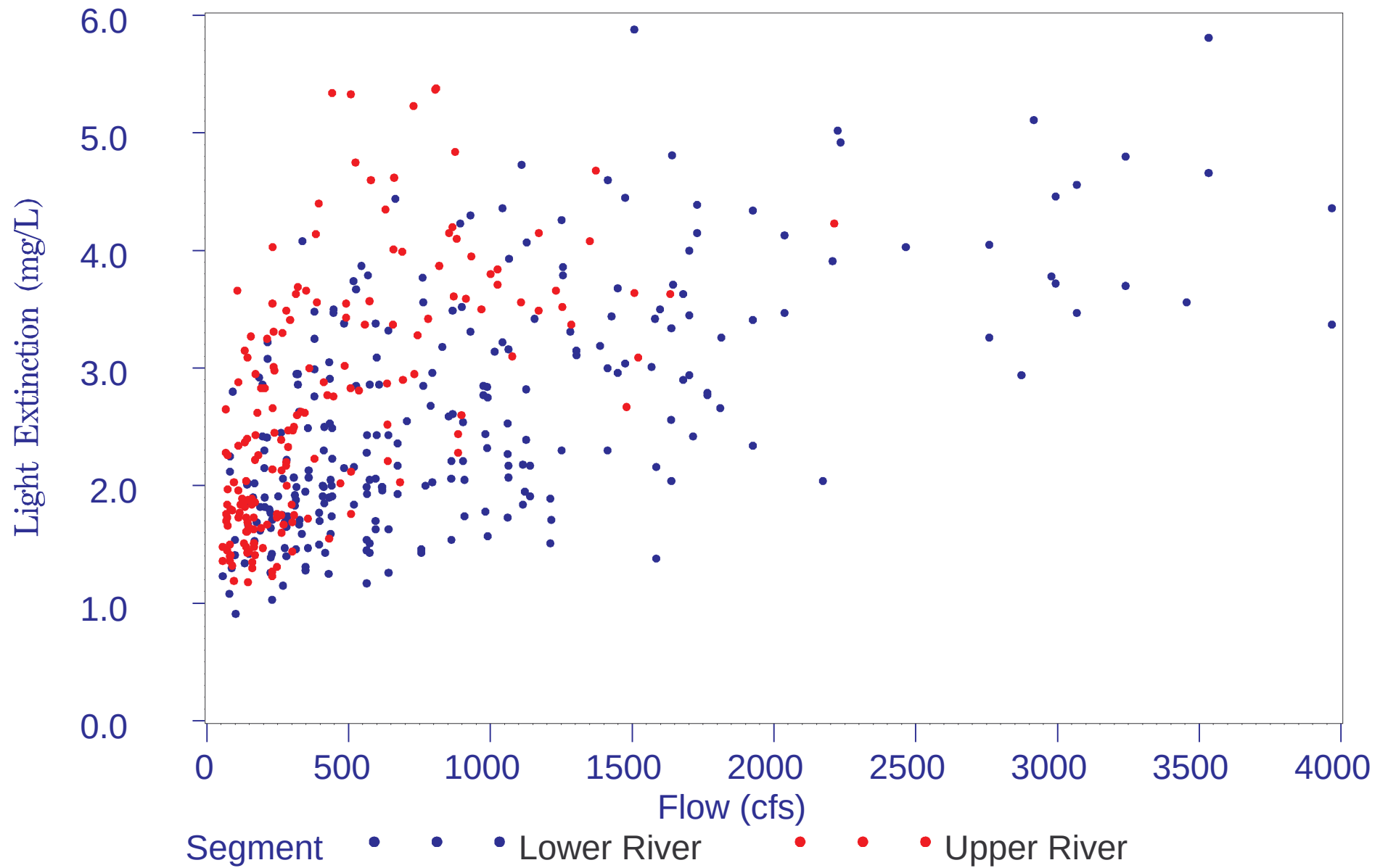
Turbidity - Flow Relationship
1976- 1998

C-144



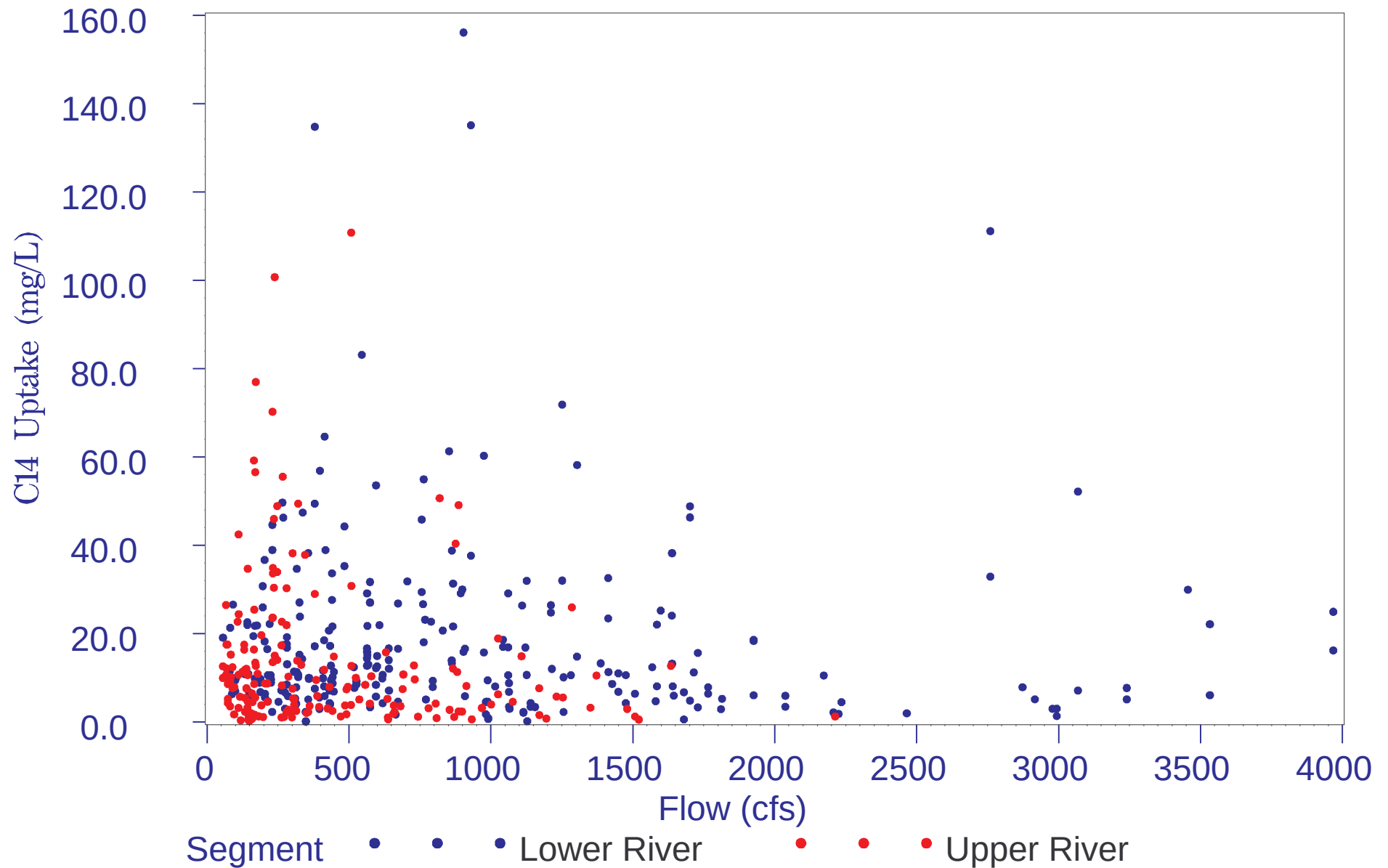
Light Extinction Coefficient - Flow Relationship 1984- 1998

C-145



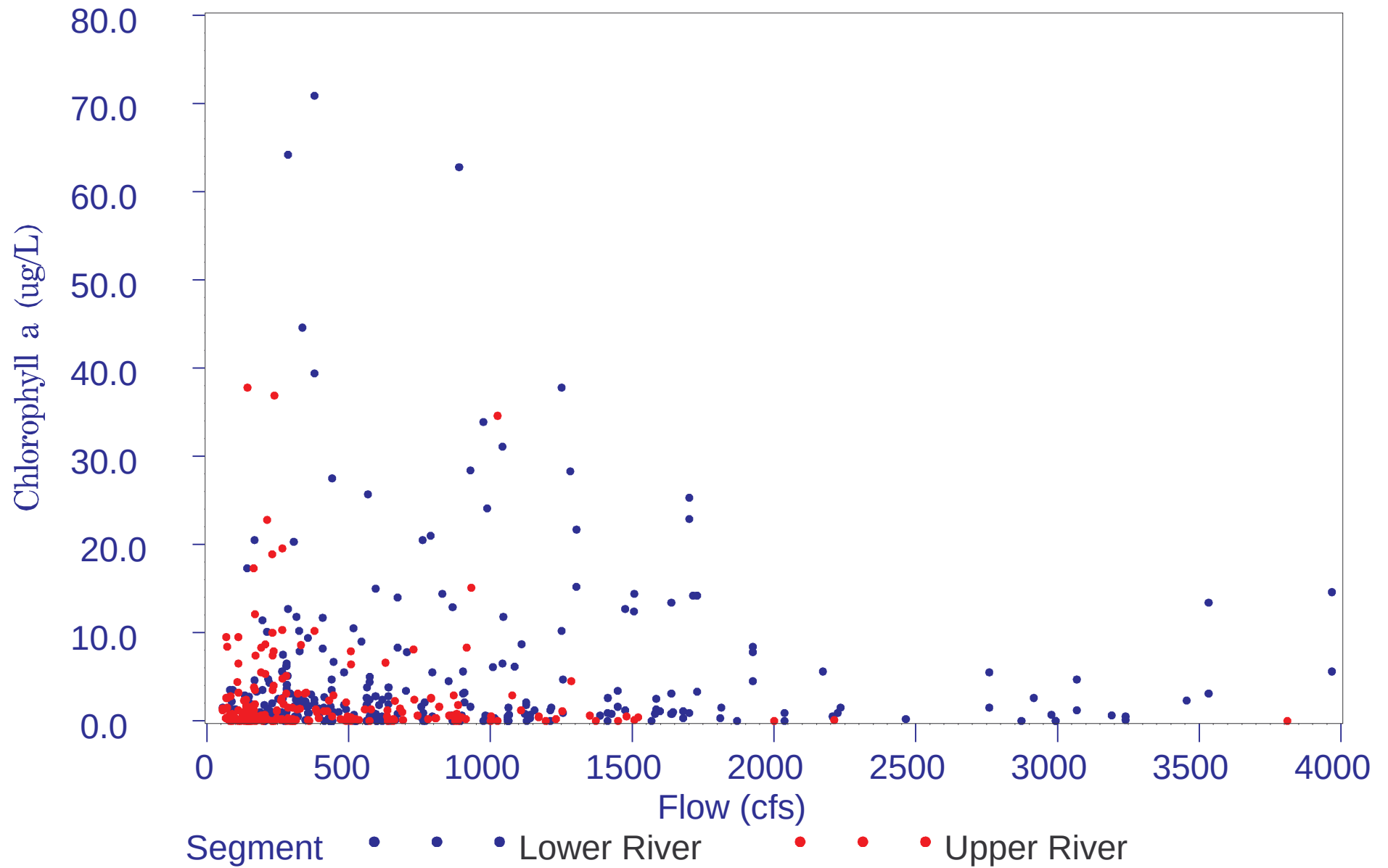
C14 Uptake - Flow Relationship
1984- 1998

C-146



Chlorophyll a (>20 μm) - Flow Relationship
1984- 1998

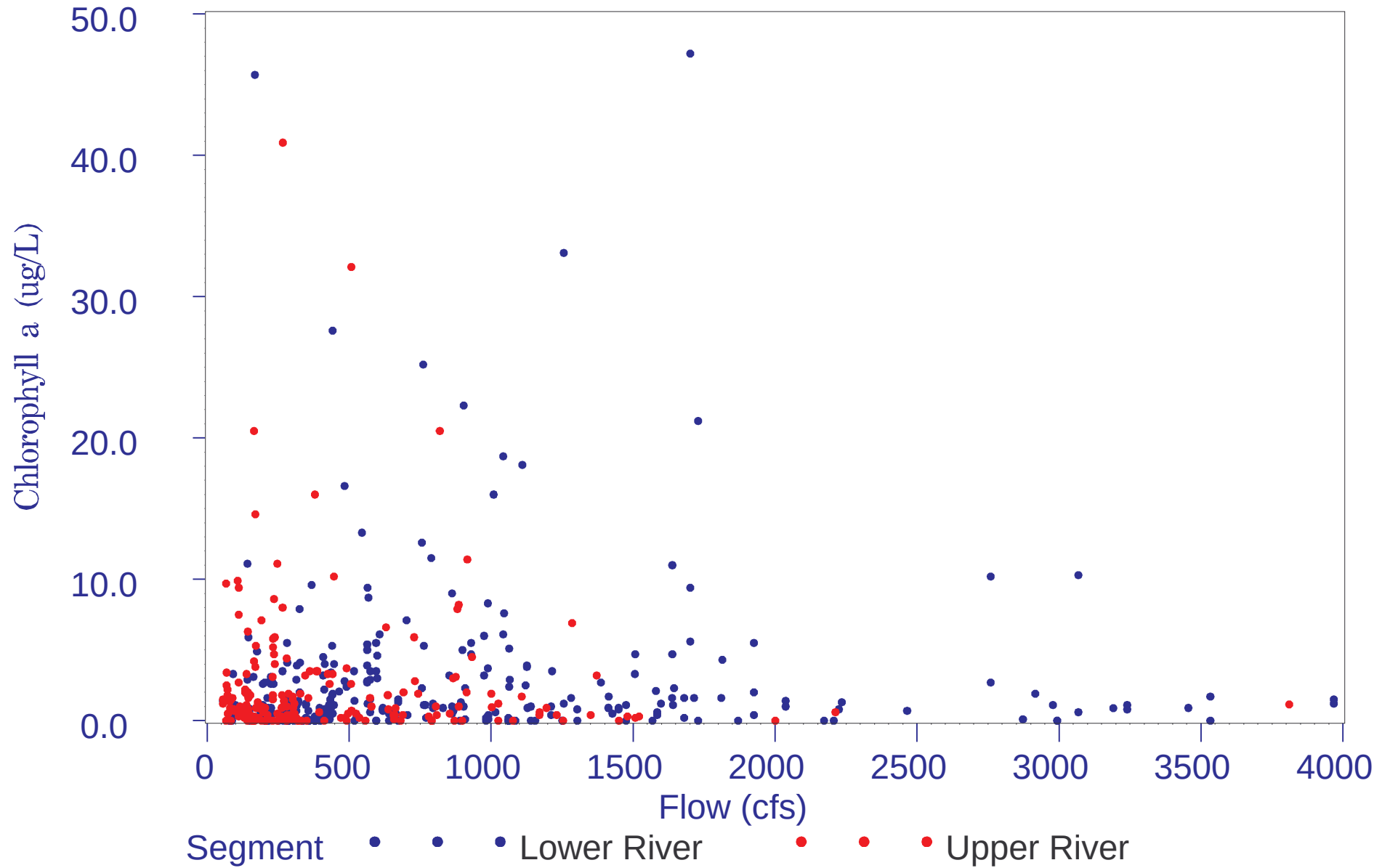
C-147



Chlorophyll a <20 & > 5 um - Flow Relationship

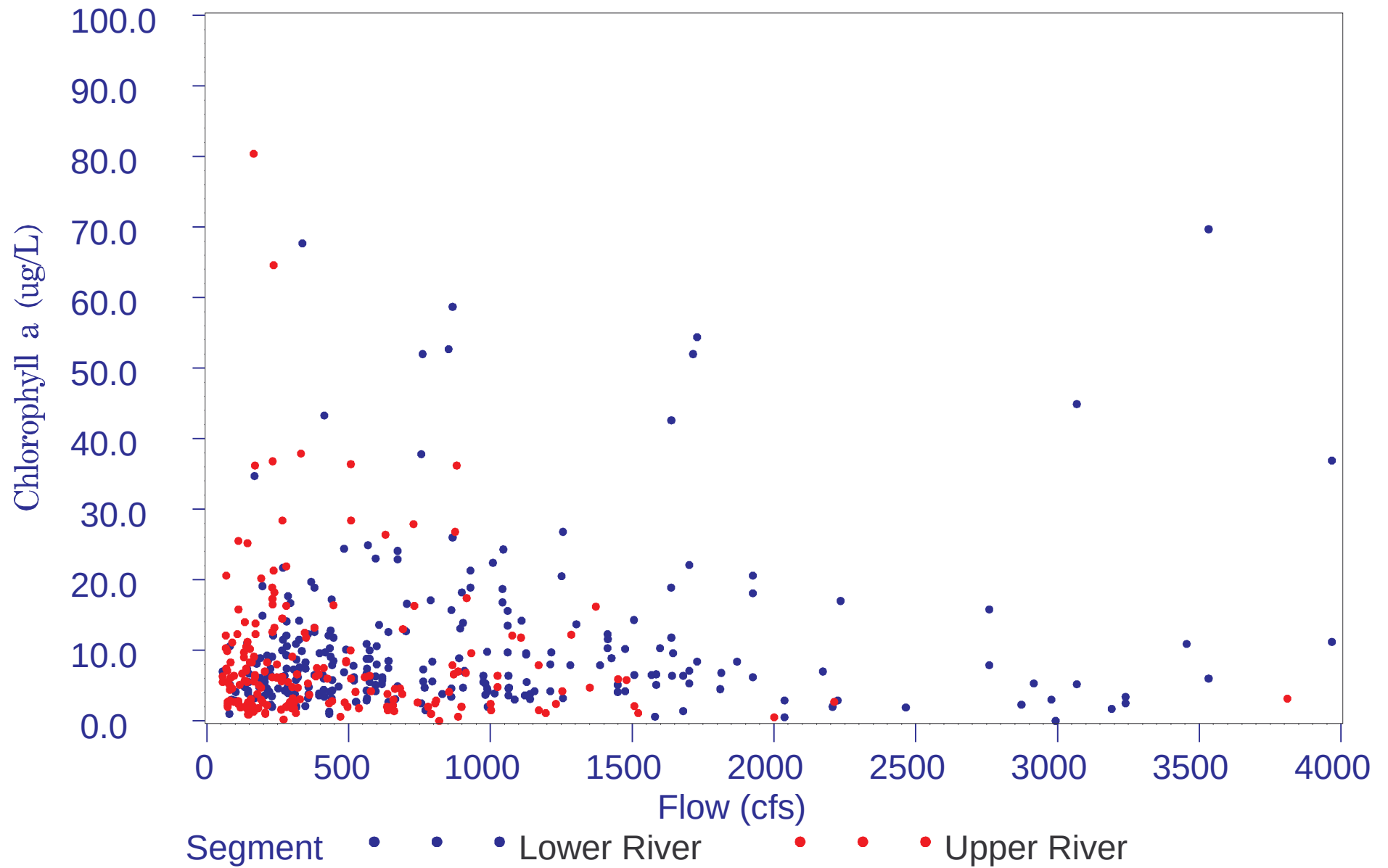
1984- 1998

C-148



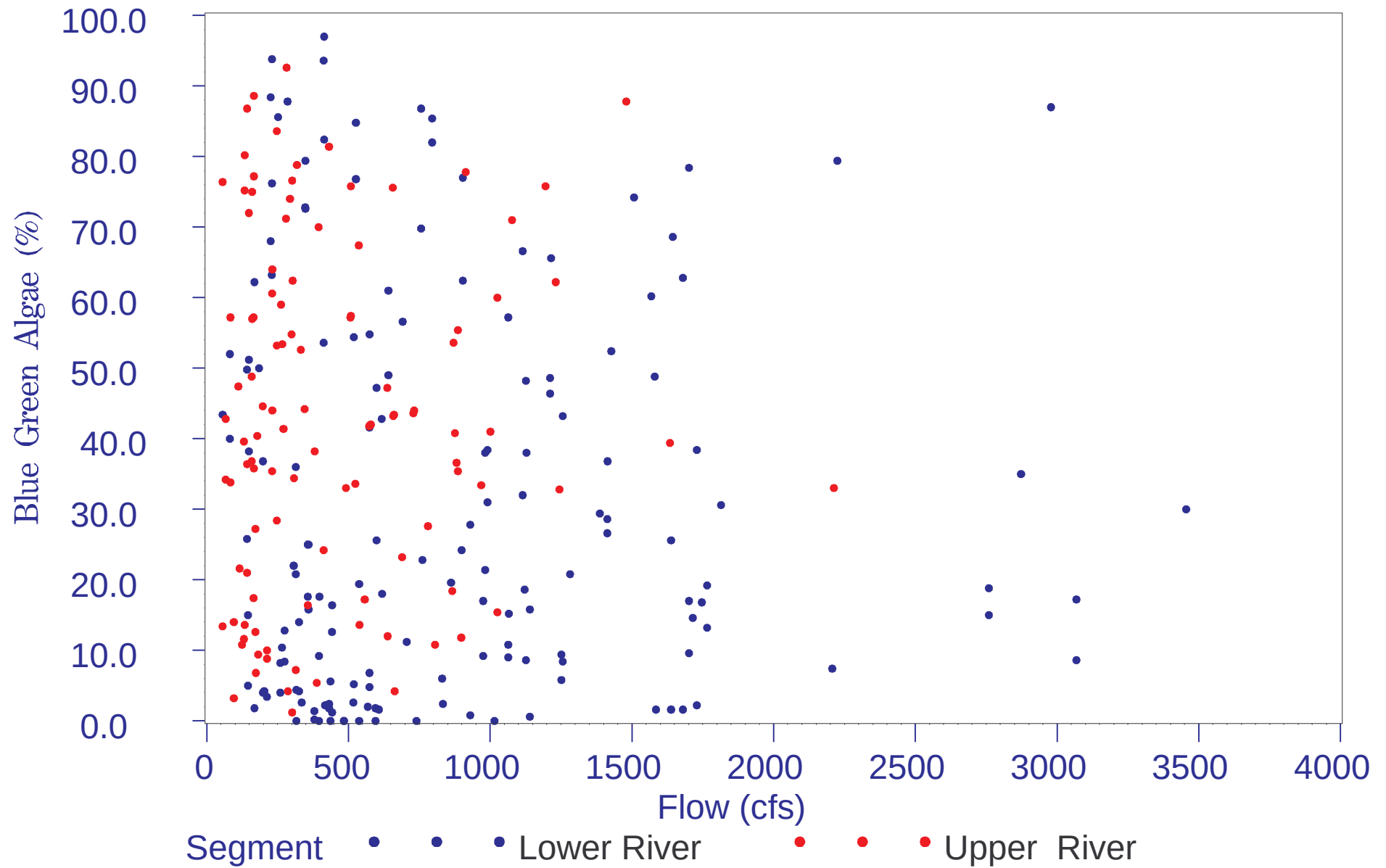
Chlorophyll a (<5 μ m) - Flow Relationship
1984- 1998

C-149



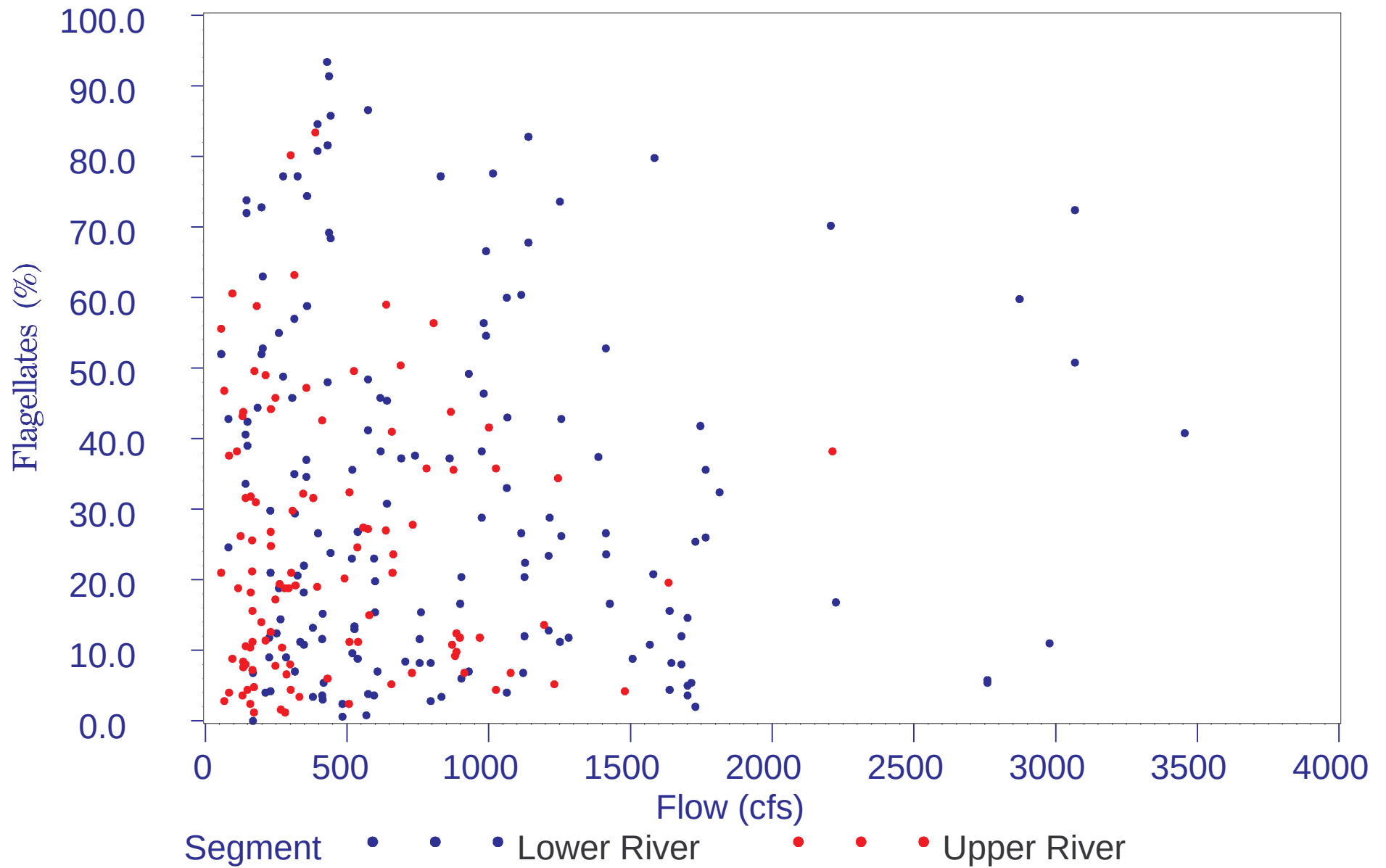
Blue Green Algae Percent Composition - Flow Relationship
1989- 1998

C-150



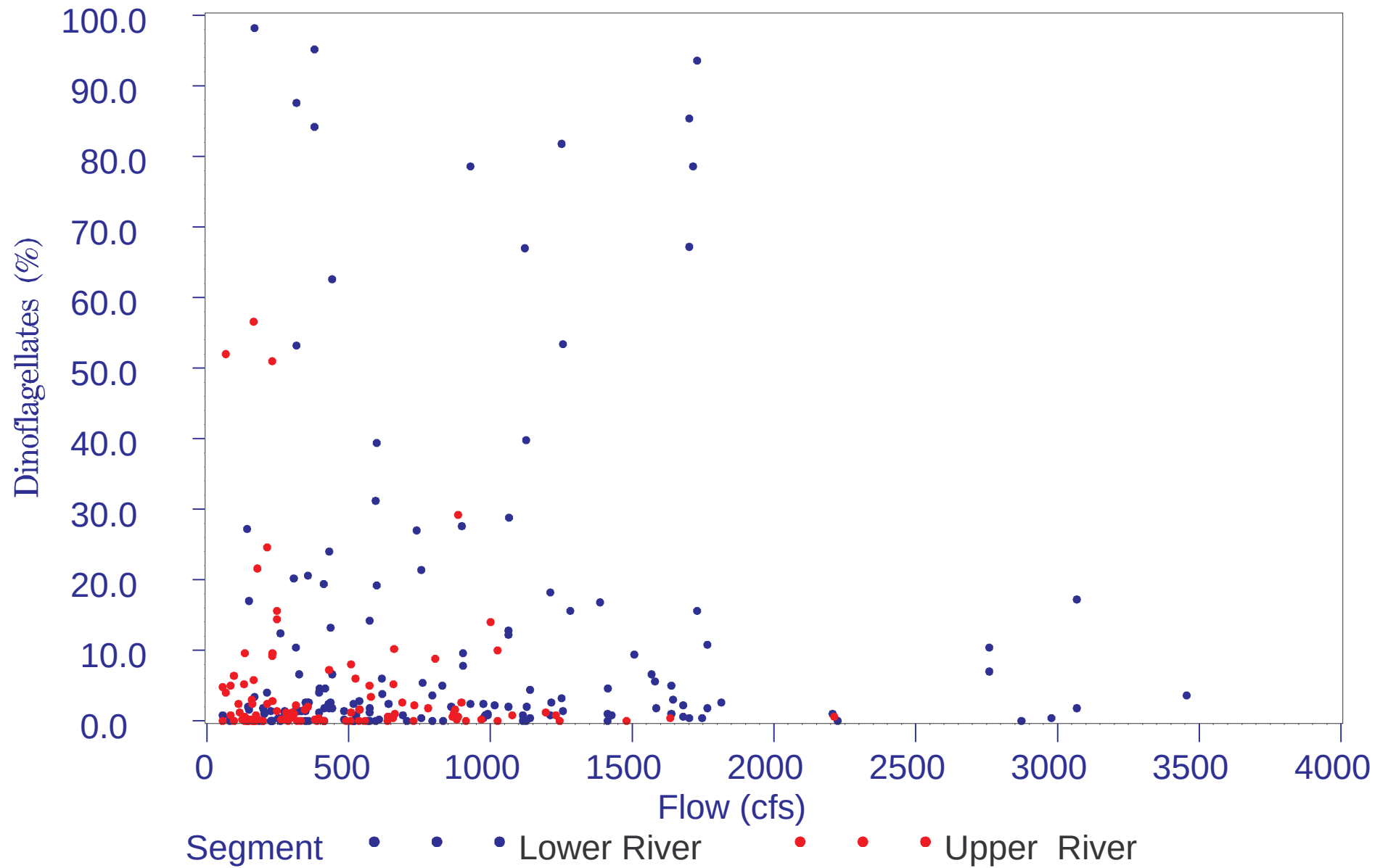
Flagellates Percent Composition - Flow Relationship 1989- 1998

C-151



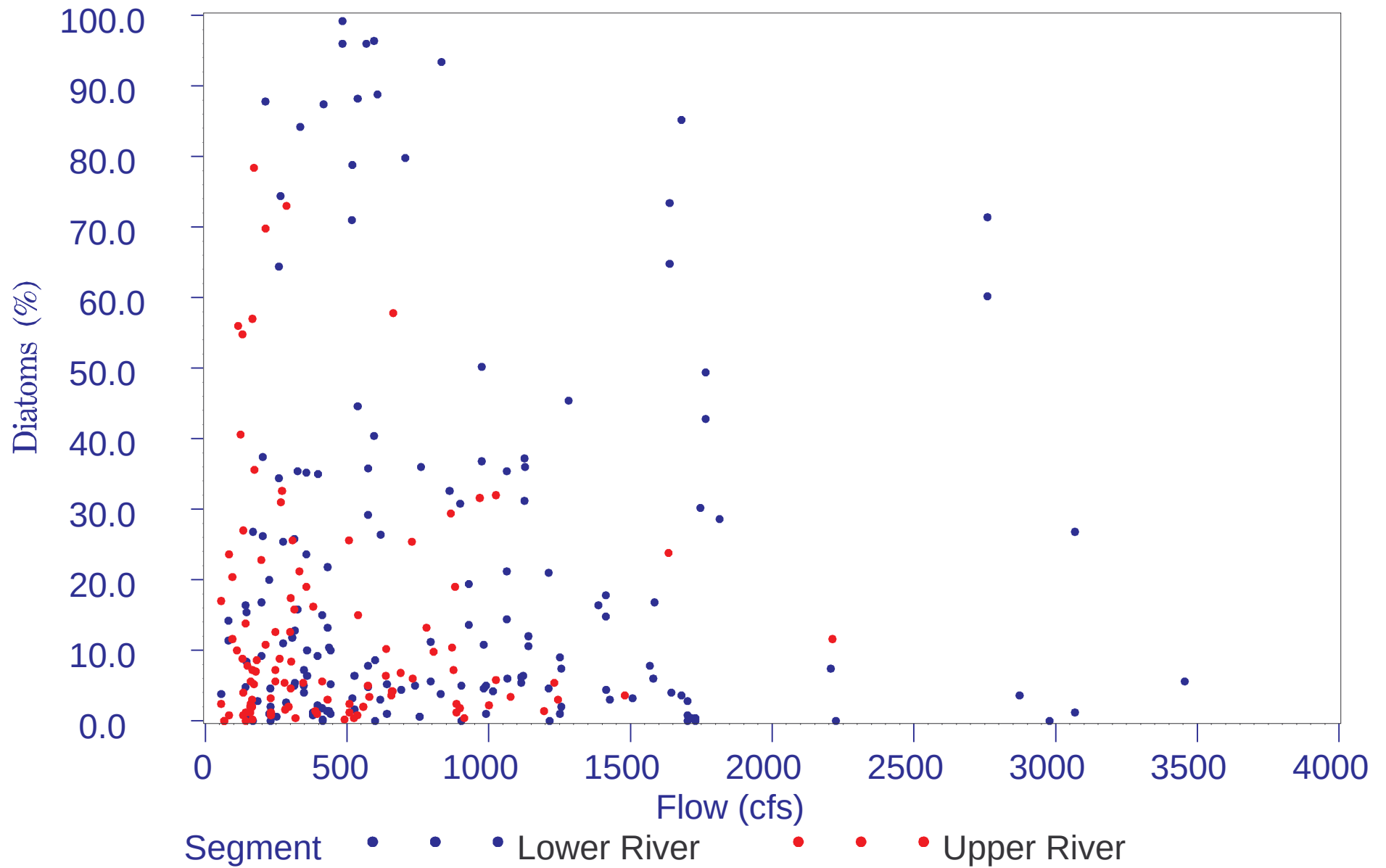
Dinoflagellates Percent Composition - Flow Relationship
1989- 1998

C-152



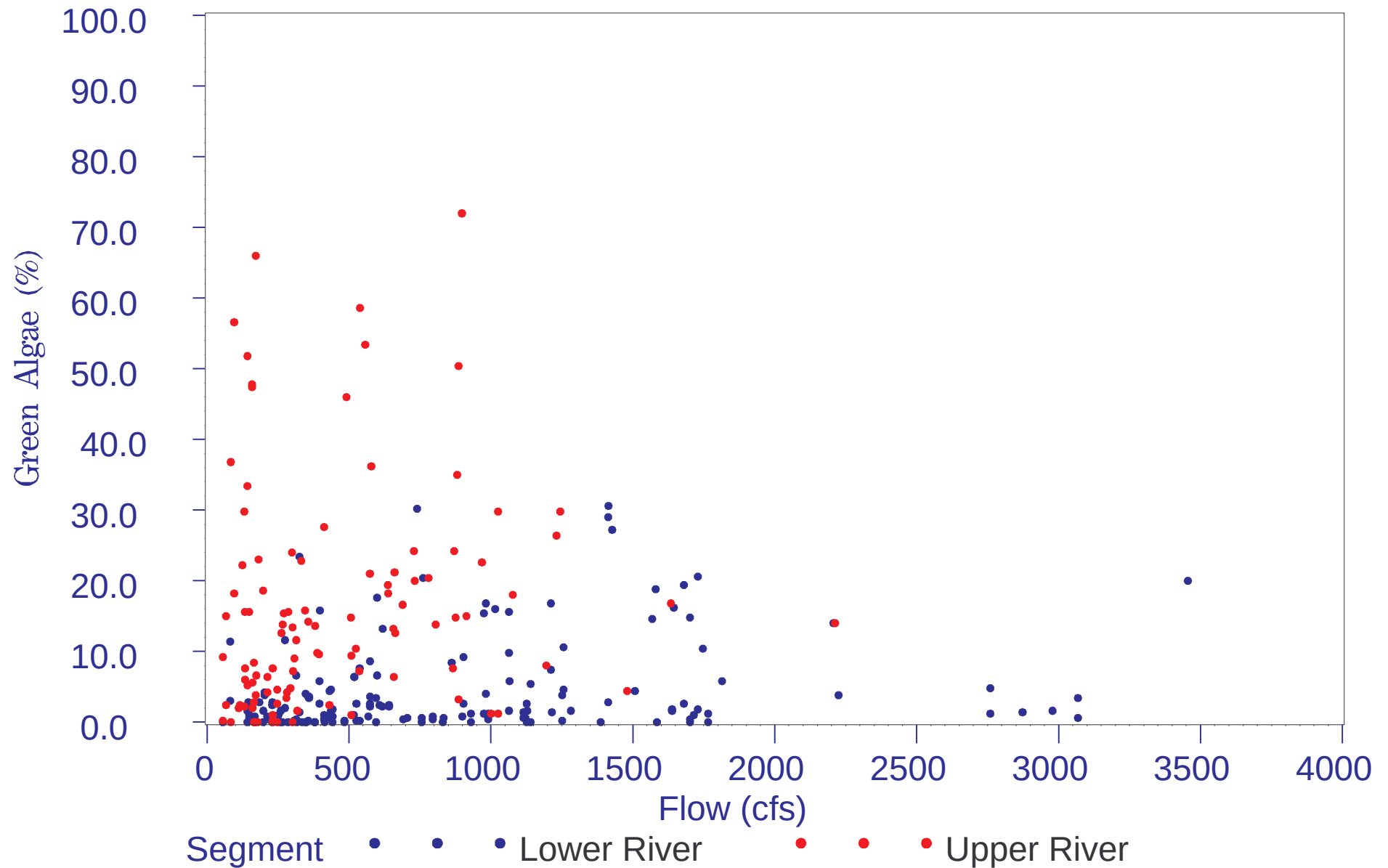
Diatoms Percent Composition - Flow Relationship
1989- 1998

C-153



Green Algae Percent Composition - Flow Relationship 1989- 1998

C-154



End

Appendix C

**Additional Figures
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