

Figure 4-30: Total Copper Concentrations per Sample Date During Baseflow Conditions

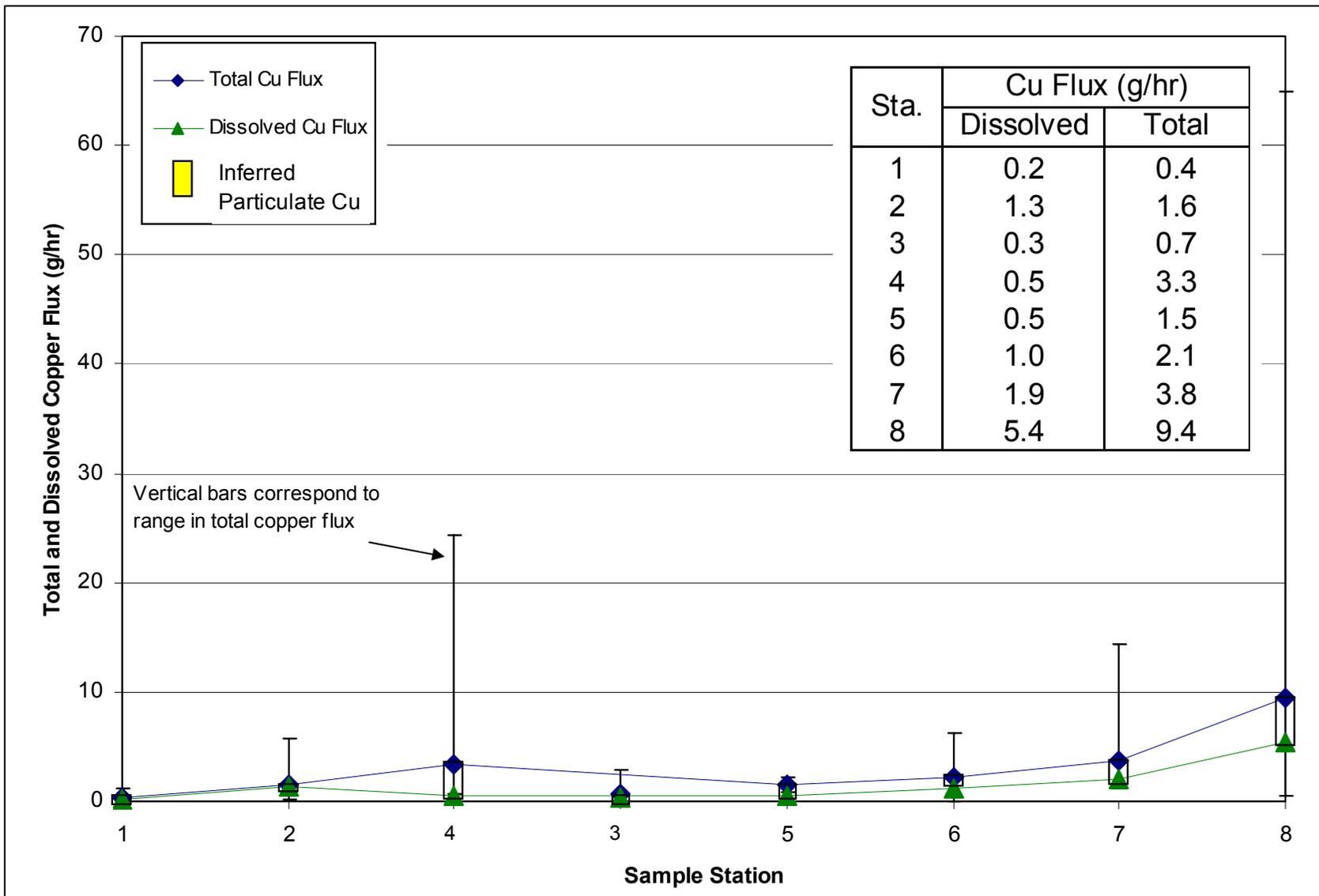


Figure 4-31: Average Total and Dissolved Copper Flux per Sample Station During Baseflow Conditions

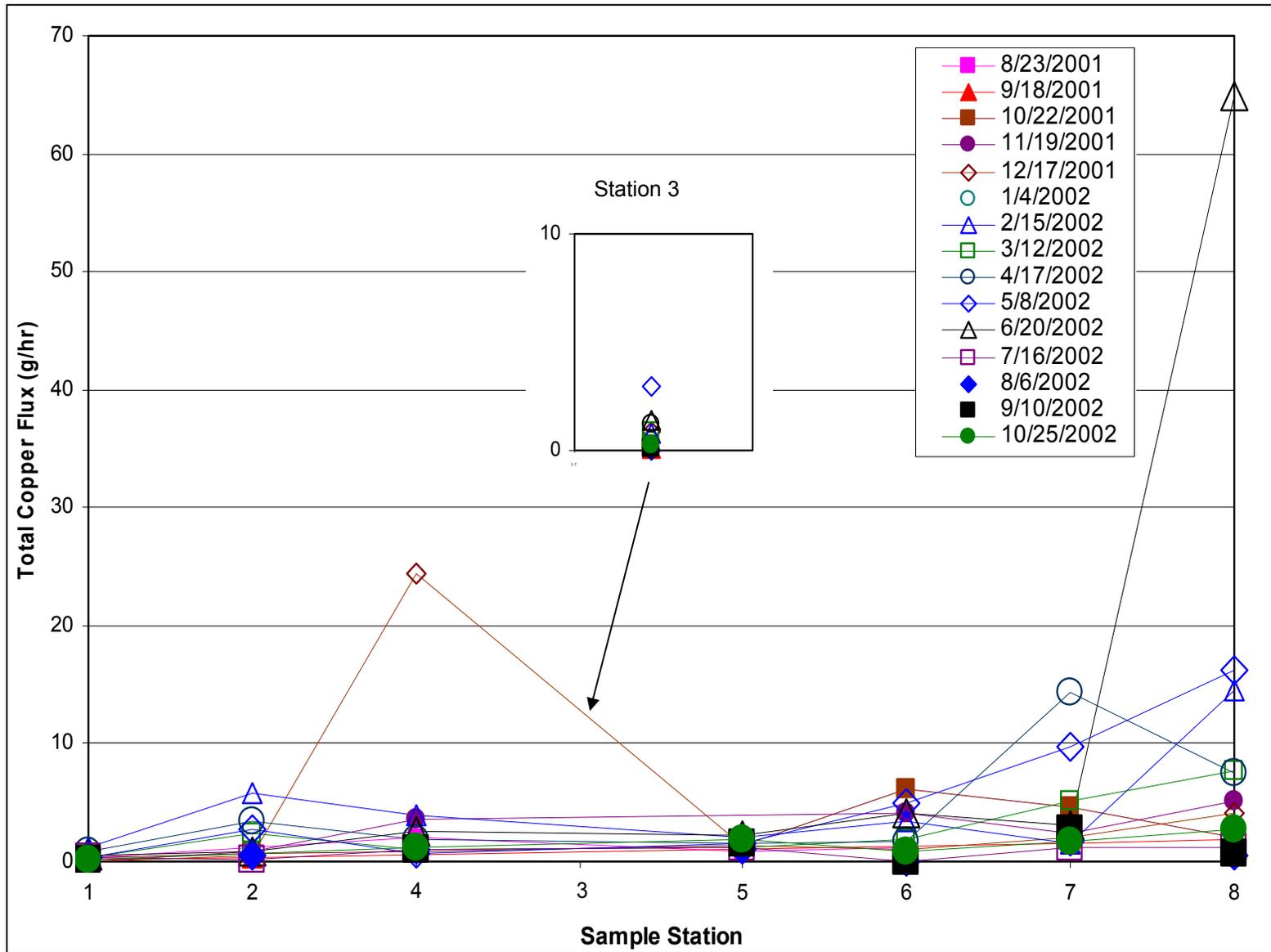


Figure 4-32: Total Copper Flux at each Sample Station for each Baseflow Event

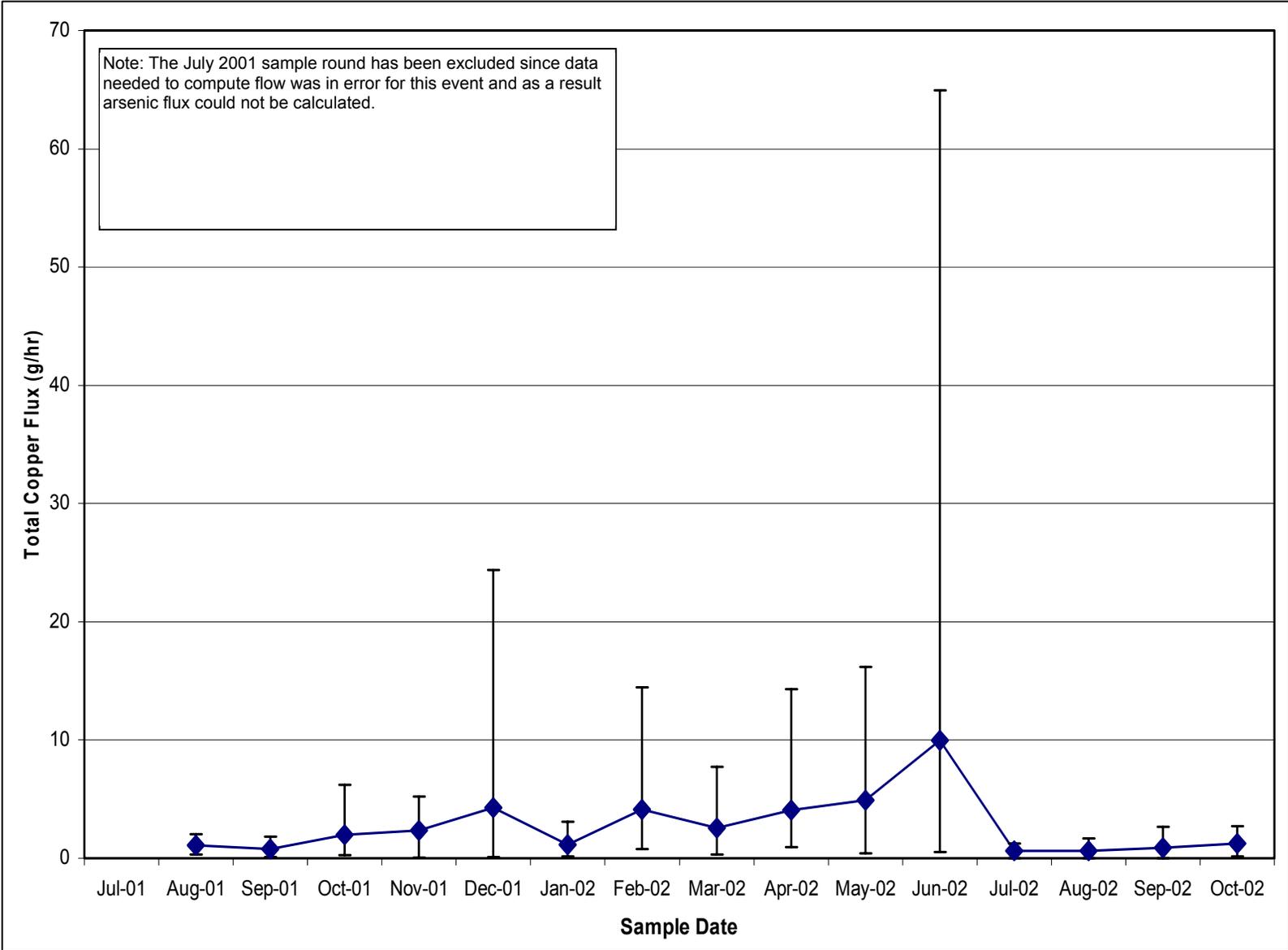


Figure 4-33: Average Total Copper Flux per Sampling Date During Baseflow Conditions

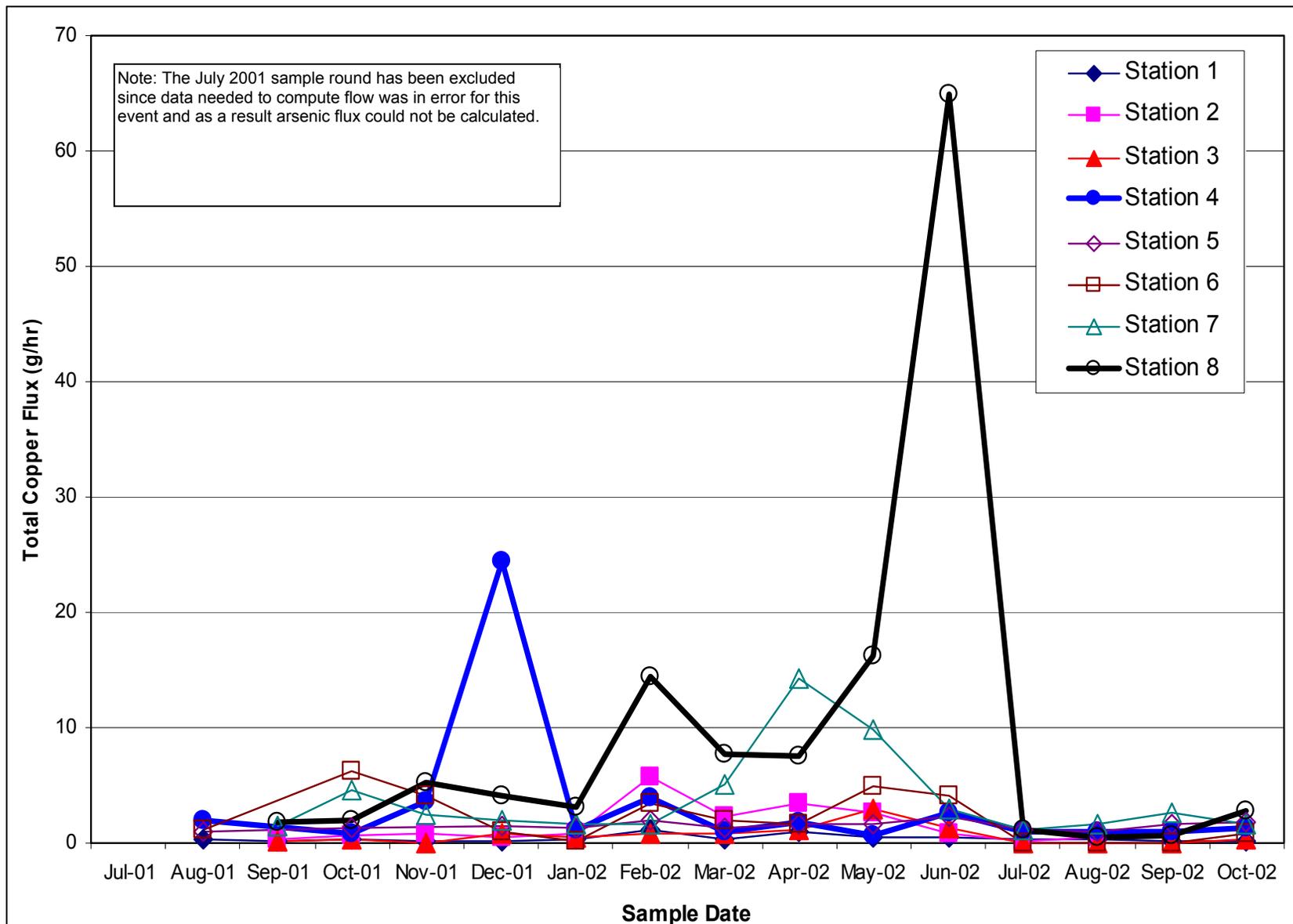


Figure 4-34: Total Copper Flux per Sample Date and Station During Baseflow Conditions

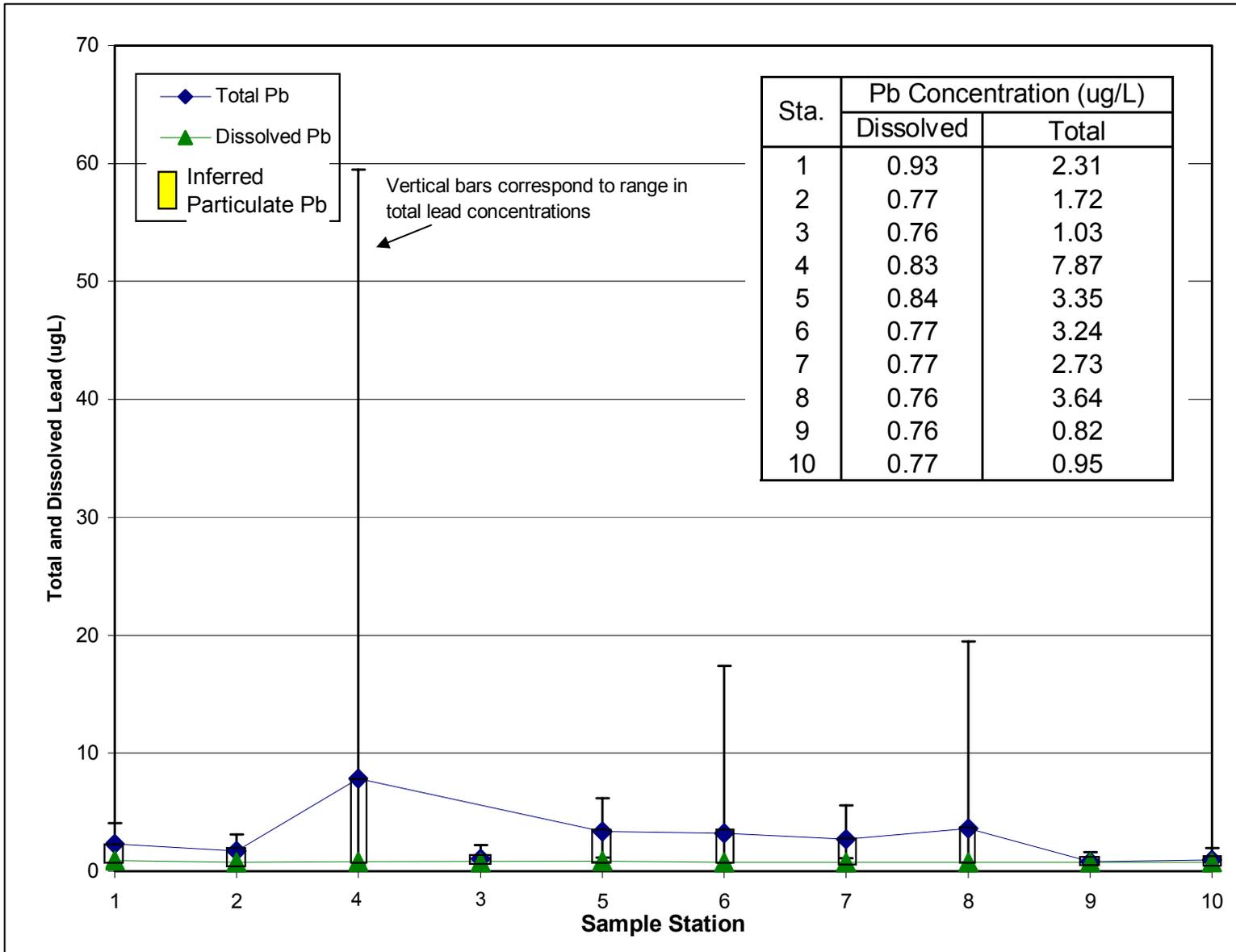


Figure 4-35: Average Total and Dissolved Lead Concentrations per Sample Station During Baseflow Conditions

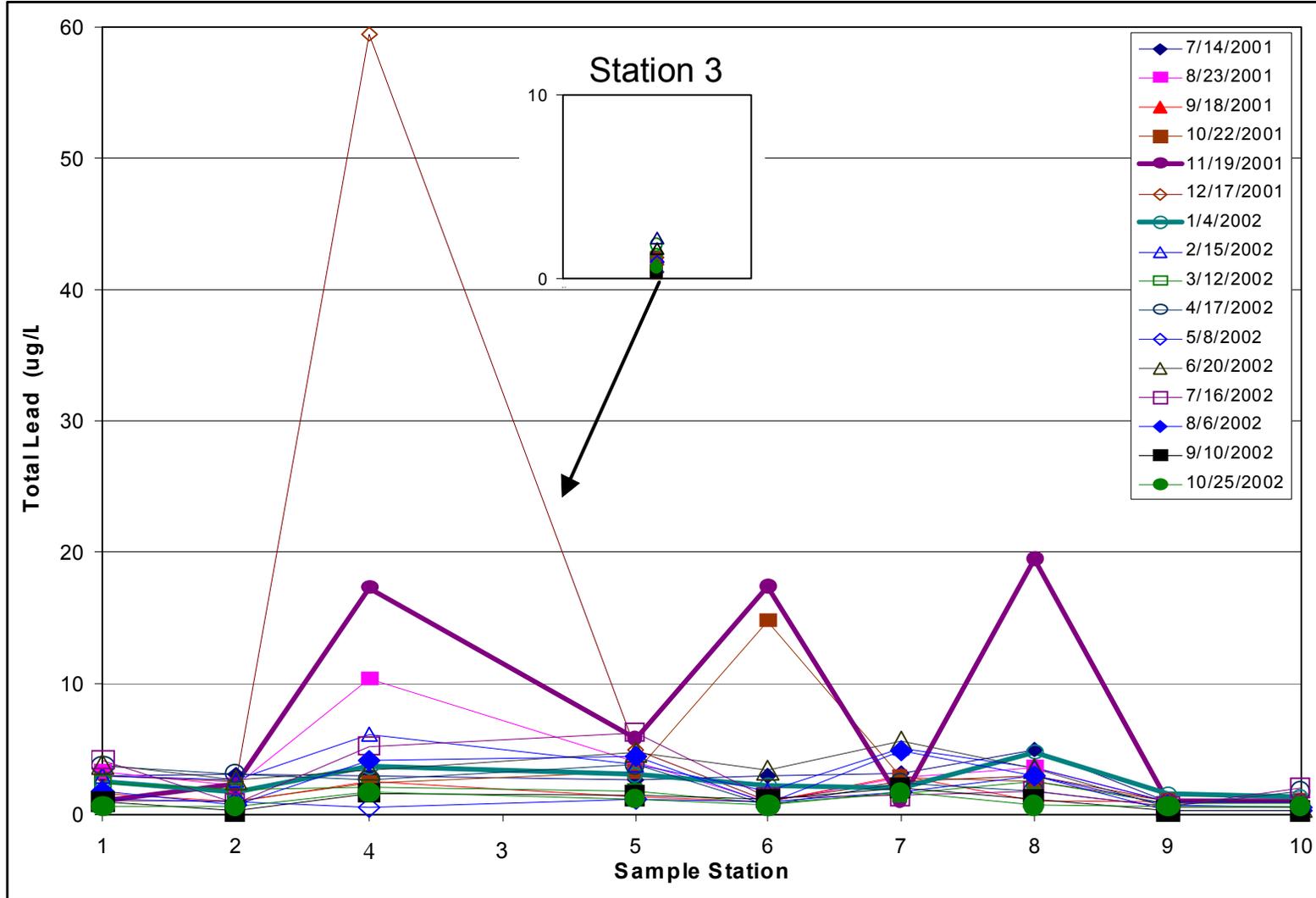


Figure 4-36: Total Lead Concentrations per Sample Station During each Baseflow Sampling Date

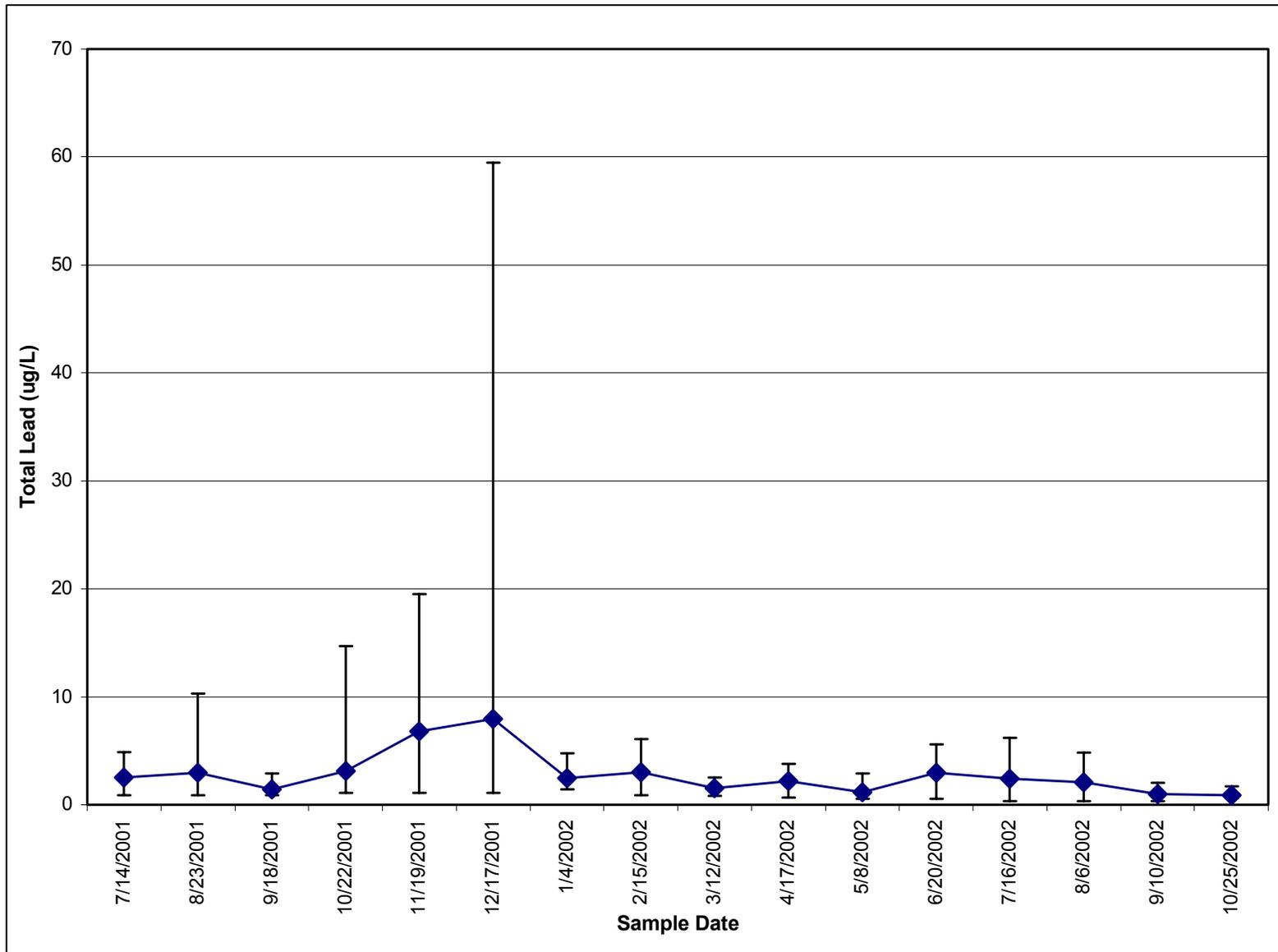


Figure 4-37: Average Total Lead Concentrations per Sample Date During Baseflow Conditions

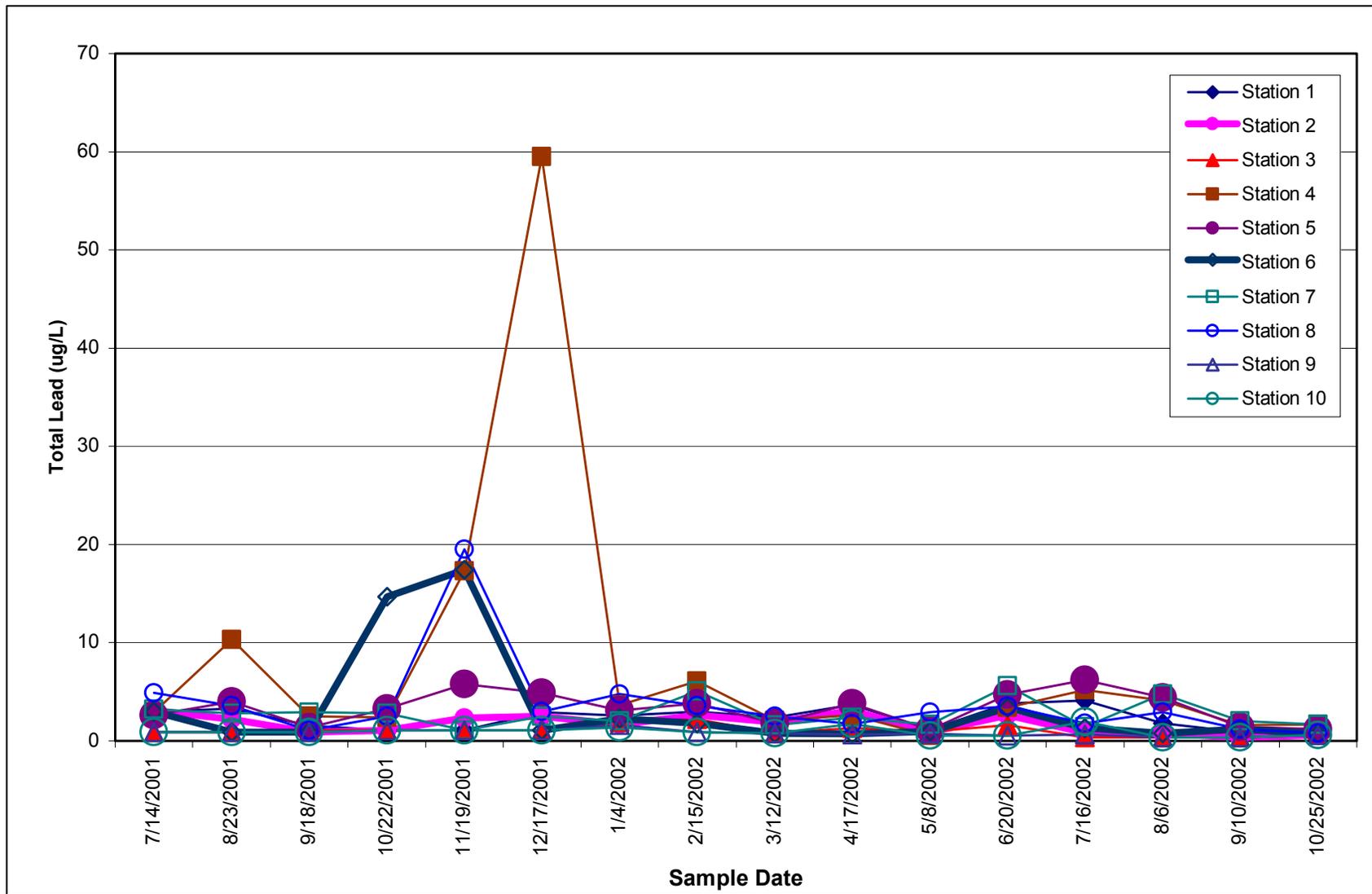


Figure 4-38: Total Lead Concentrations per Sample Date During Baseflow Conditions

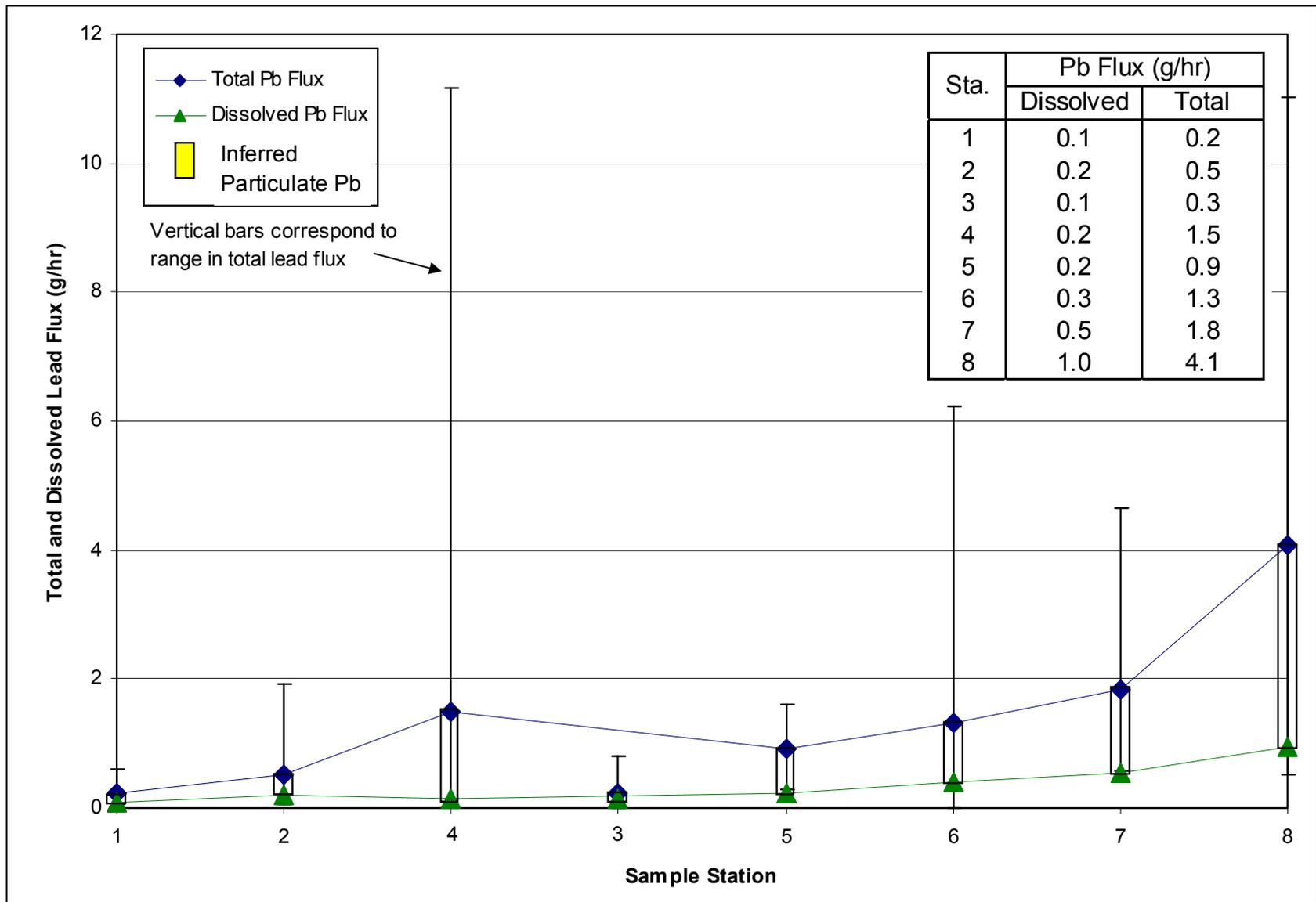


Figure 4-39: Average Total and Dissolved Lead Flux per Sample Station During Baseflow Conditions

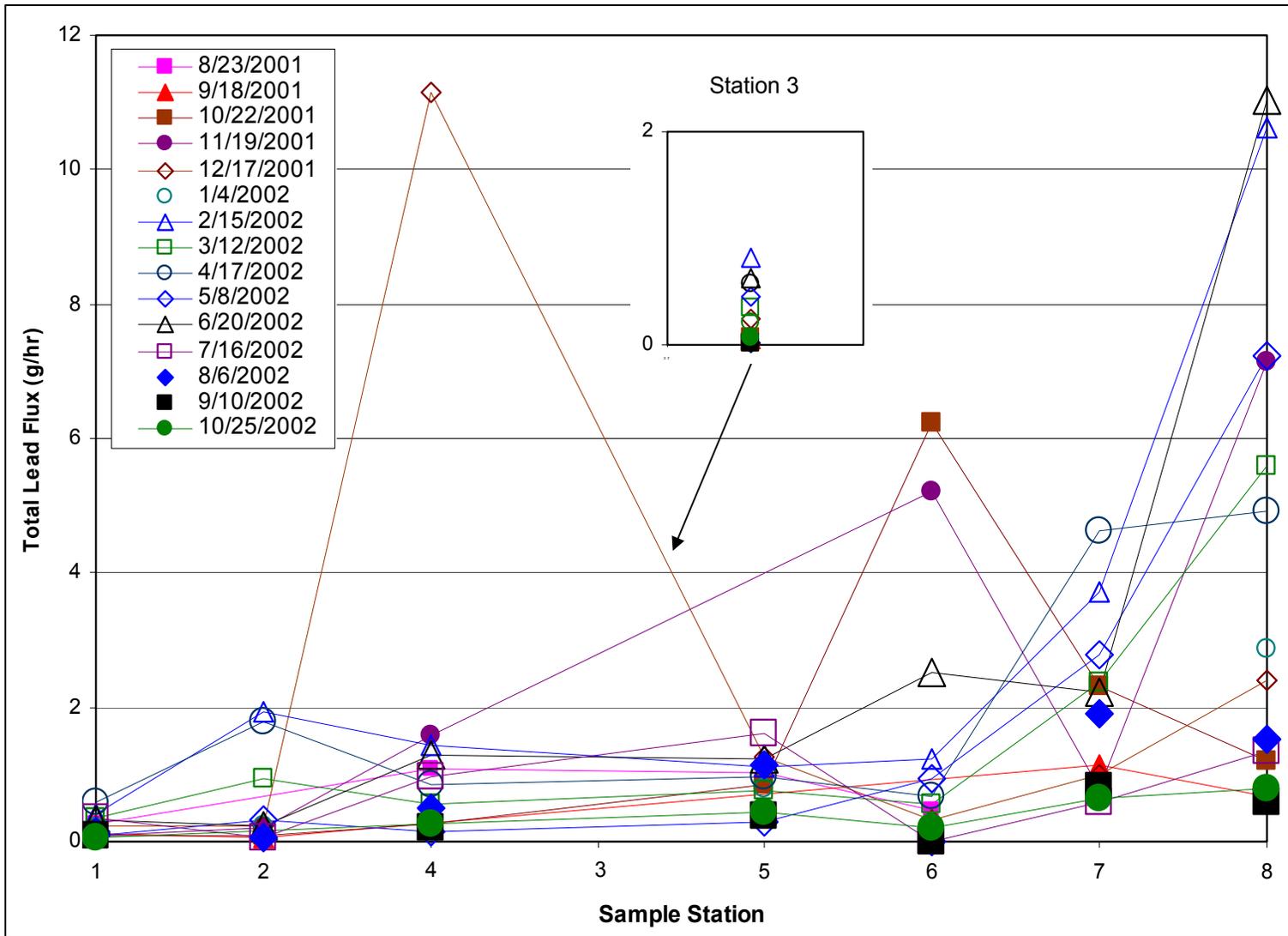


Figure 4-40: Total Lead Flux at each Sample Station for each Baseflow Event

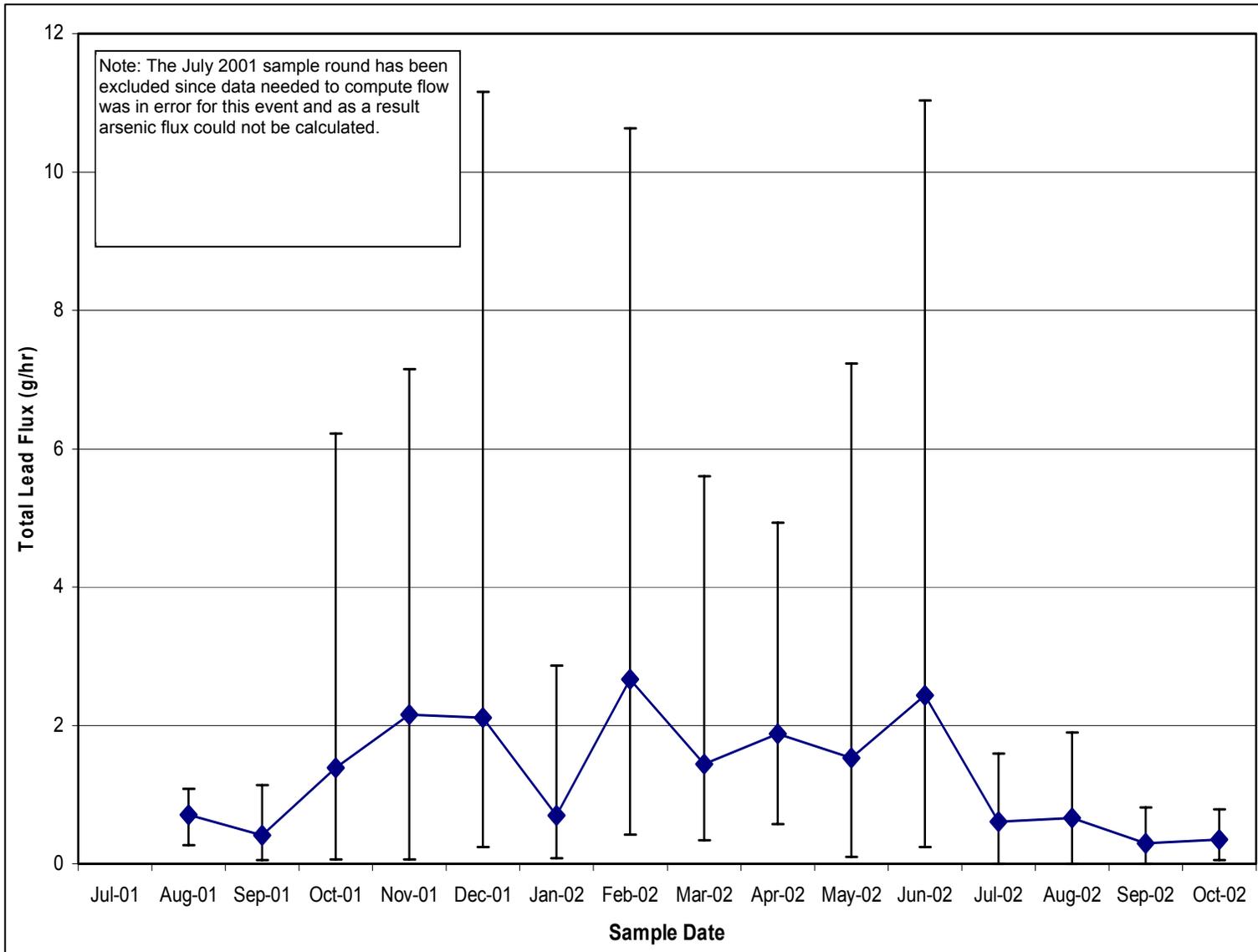


Figure 4-41: Average Total Lead Flux per Sample Date During Baseflow Conditions

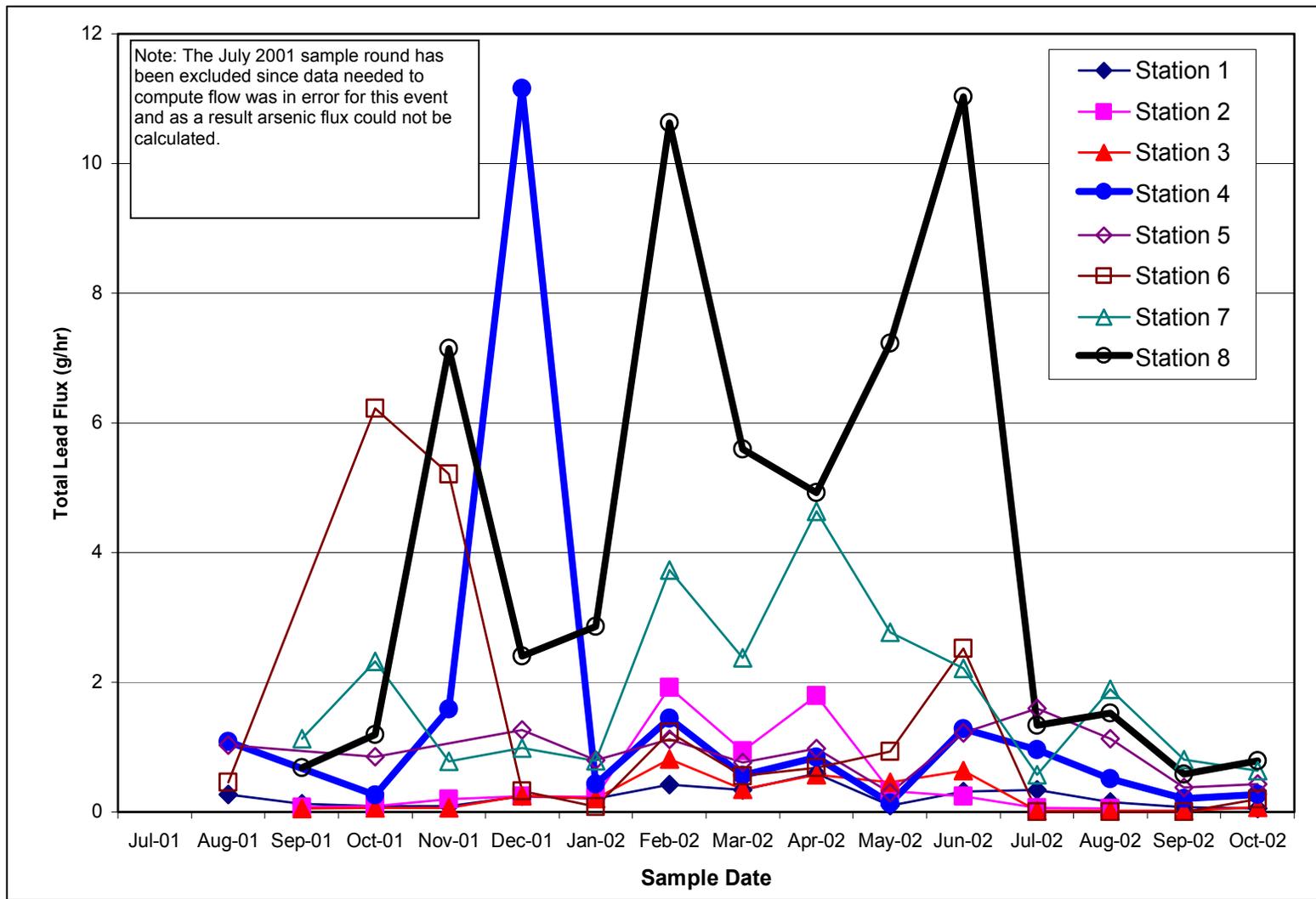


Figure 4-42: Total Lead Flux per Sample Date and Station During Baseflow Conditions

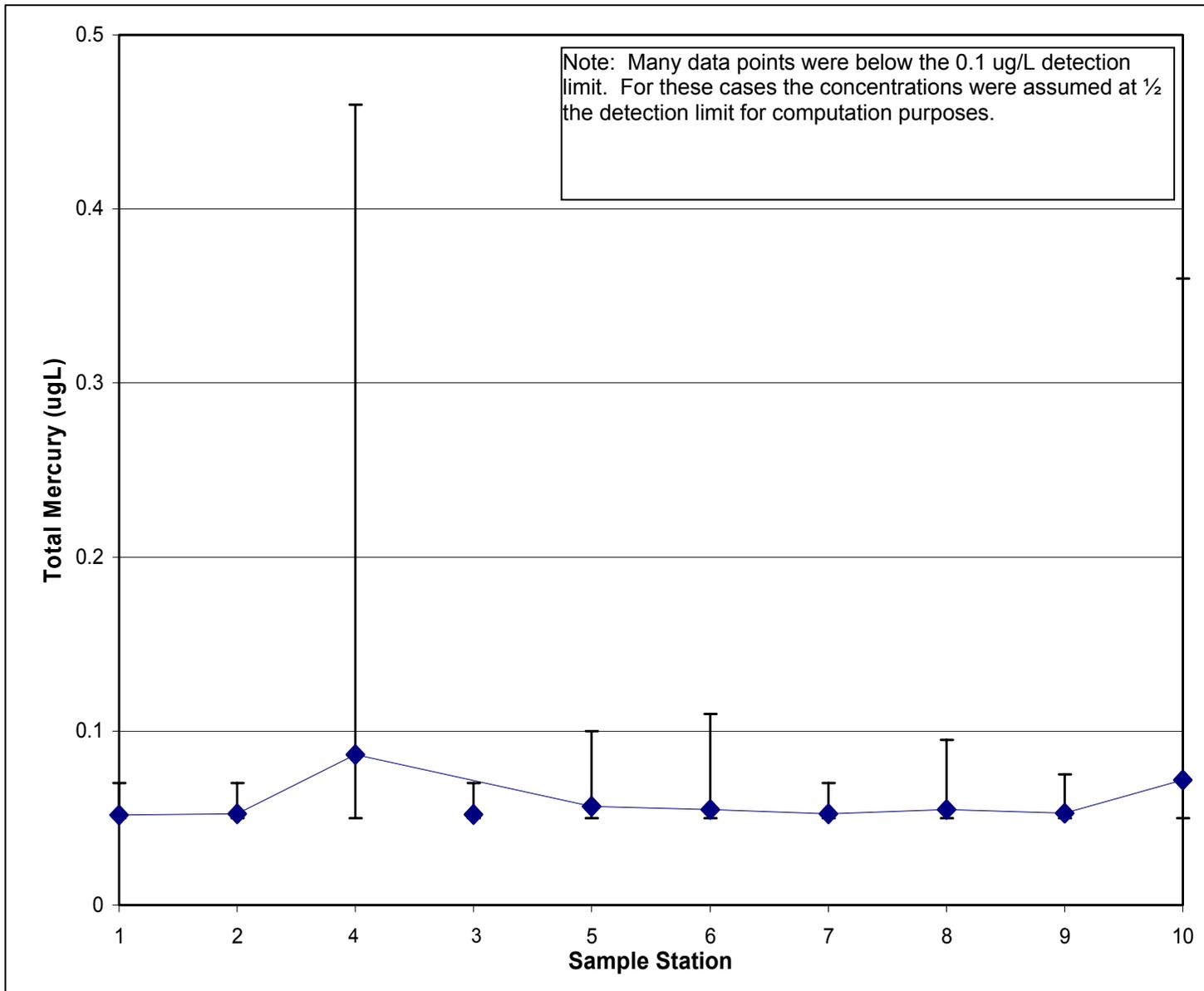


Figure 4-43: Average Total Mercury Concentrations per Sample Station During Baseflow Conditions

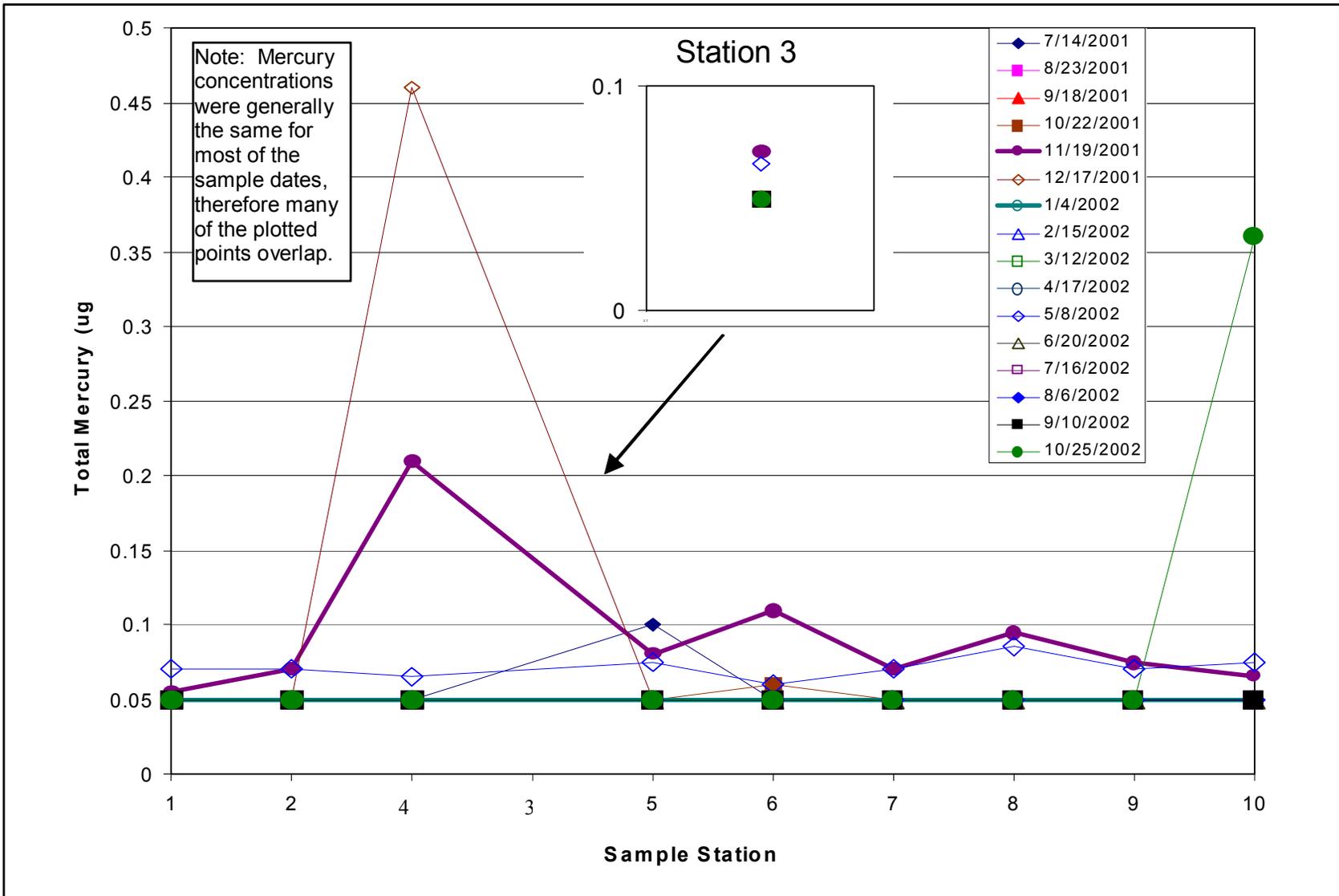


Figure 4-44: Total Mercury Concentrations per Sample Station During Each Baseflow Sampling Date

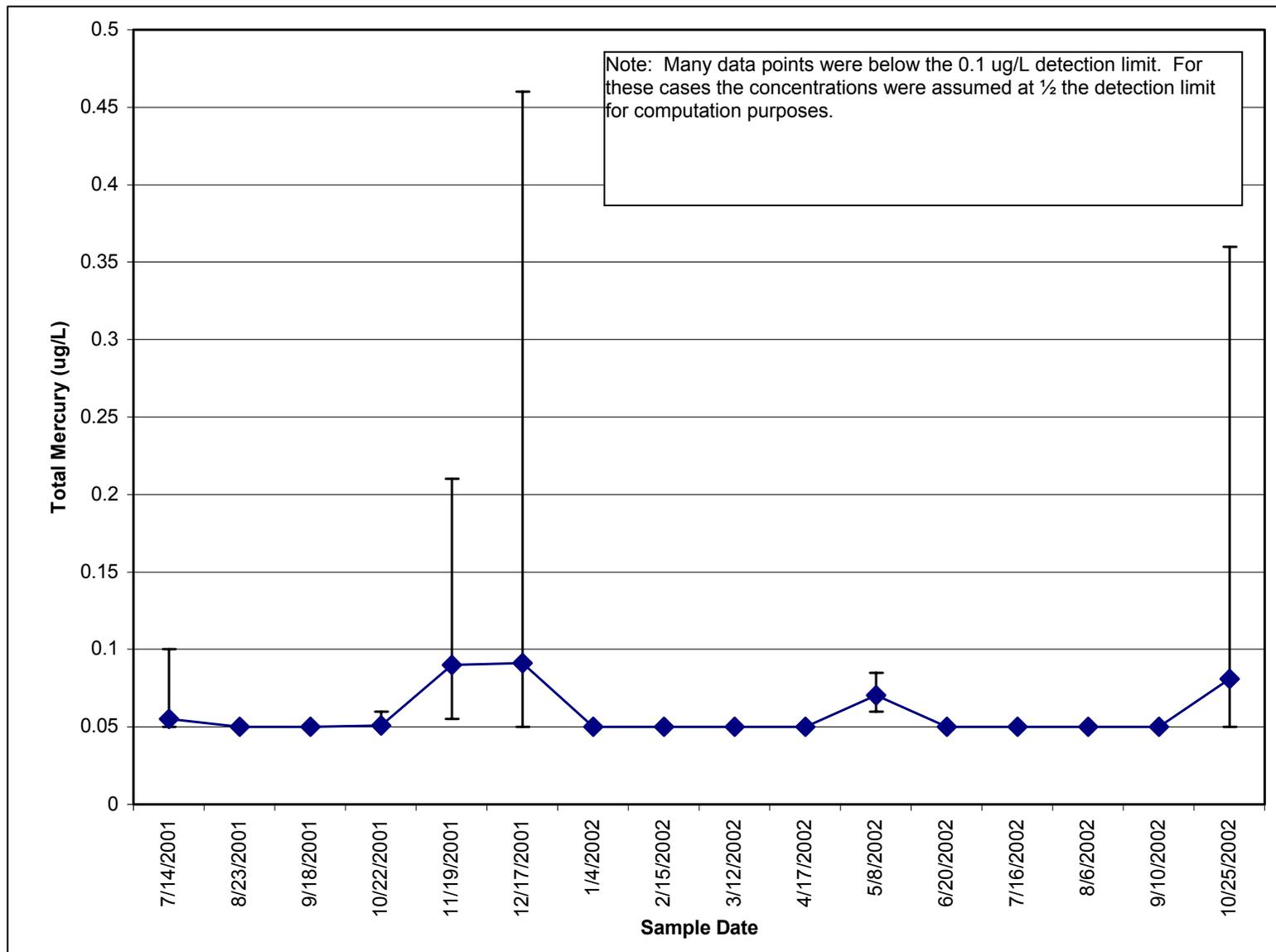


Figure 4-45: Average Total Mercury Concentrations per Sample Date During Baseflow Conditions

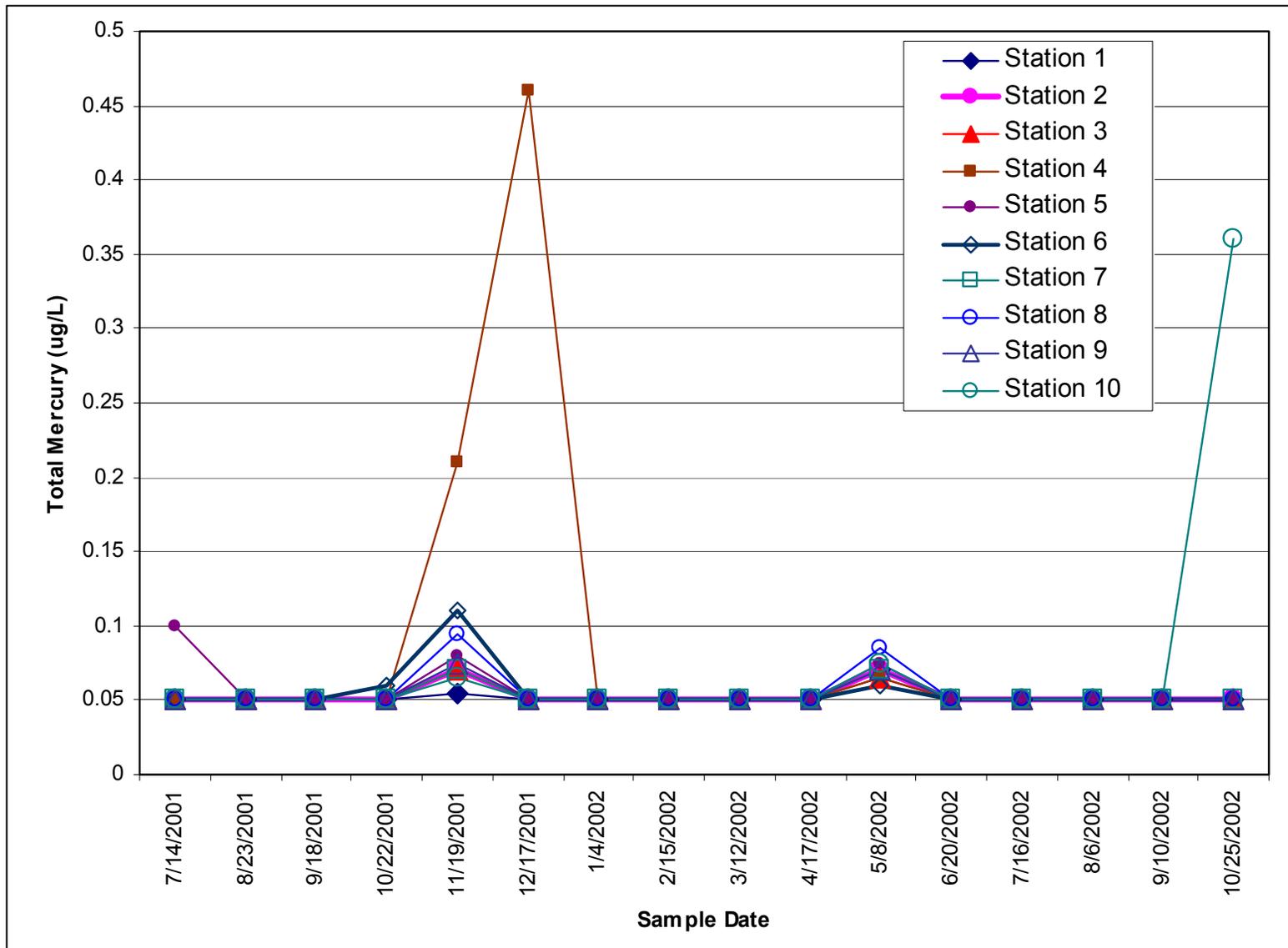


Figure 4-46: Total Mercury Concentrations per Sample Date During Baseflow Conditions

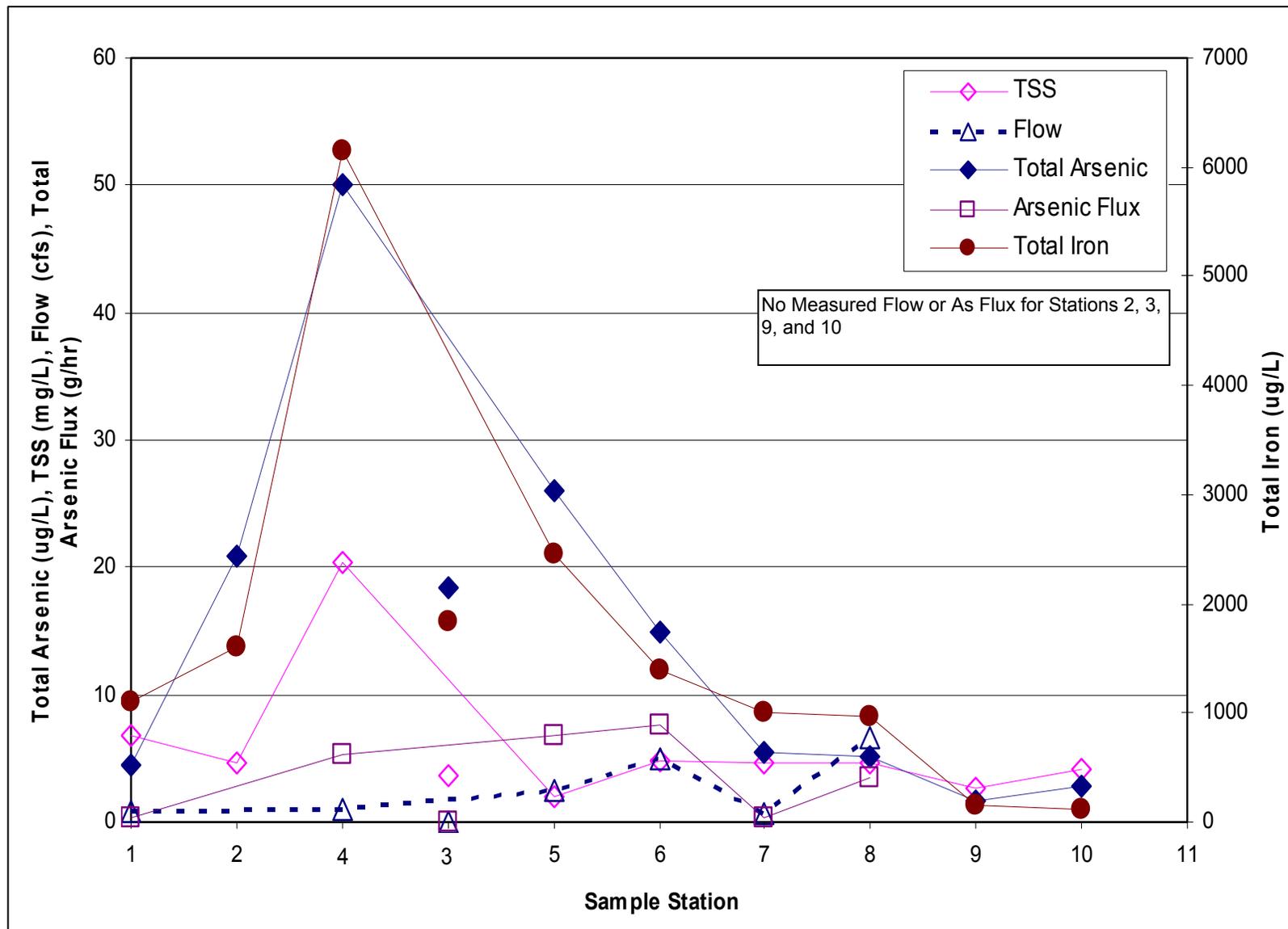


Figure 4-47: Total Arsenic and Total Iron During the August 23, 2001 Baseflow Sampling Event (No Measured Flow or As Flux Points for Stations 2, 3, 9, and 10)

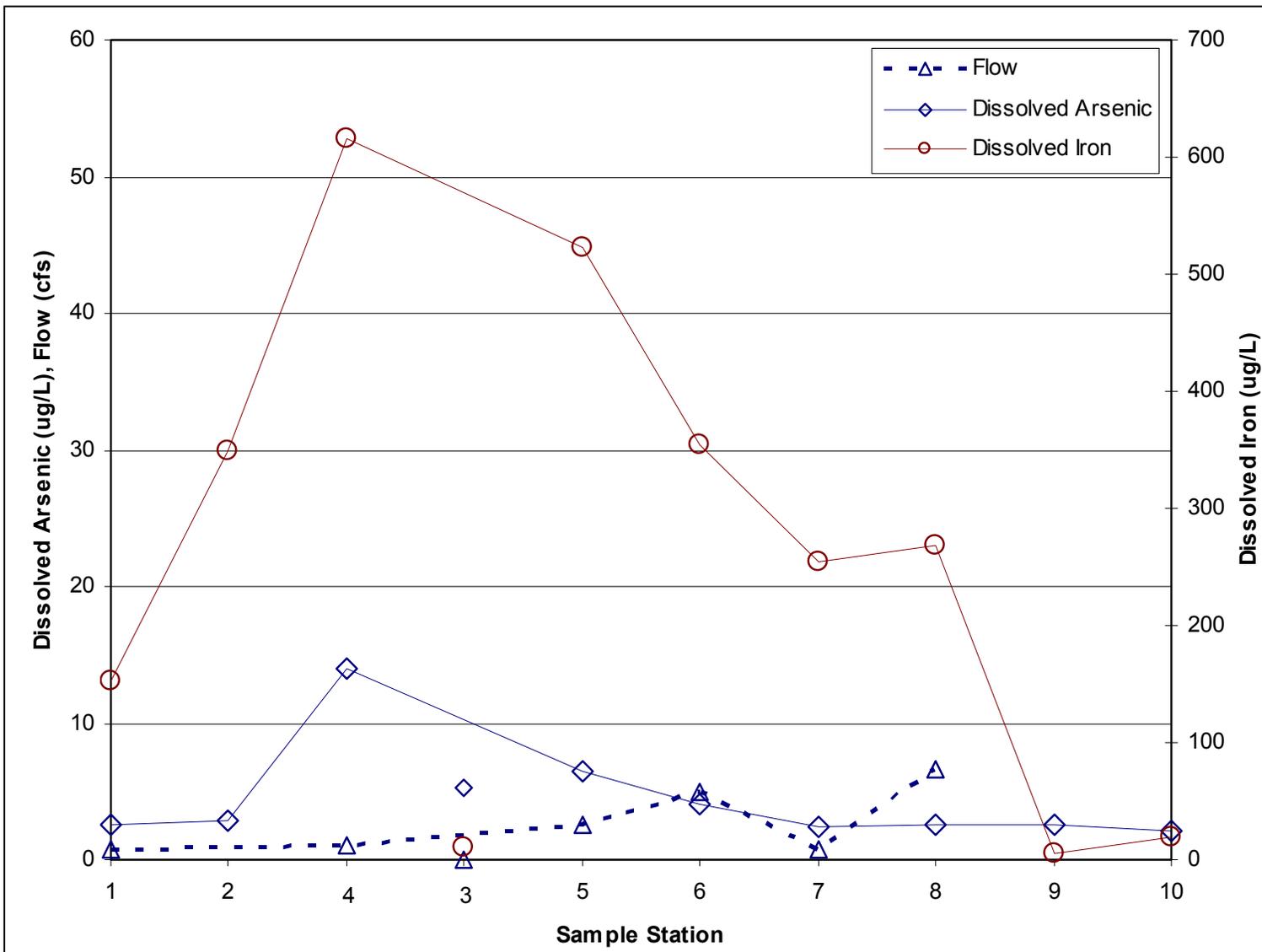


Figure 4-48: Dissolved Arsenic and Dissolved Iron During the August 23, 2001 Baseflow Sampling Event

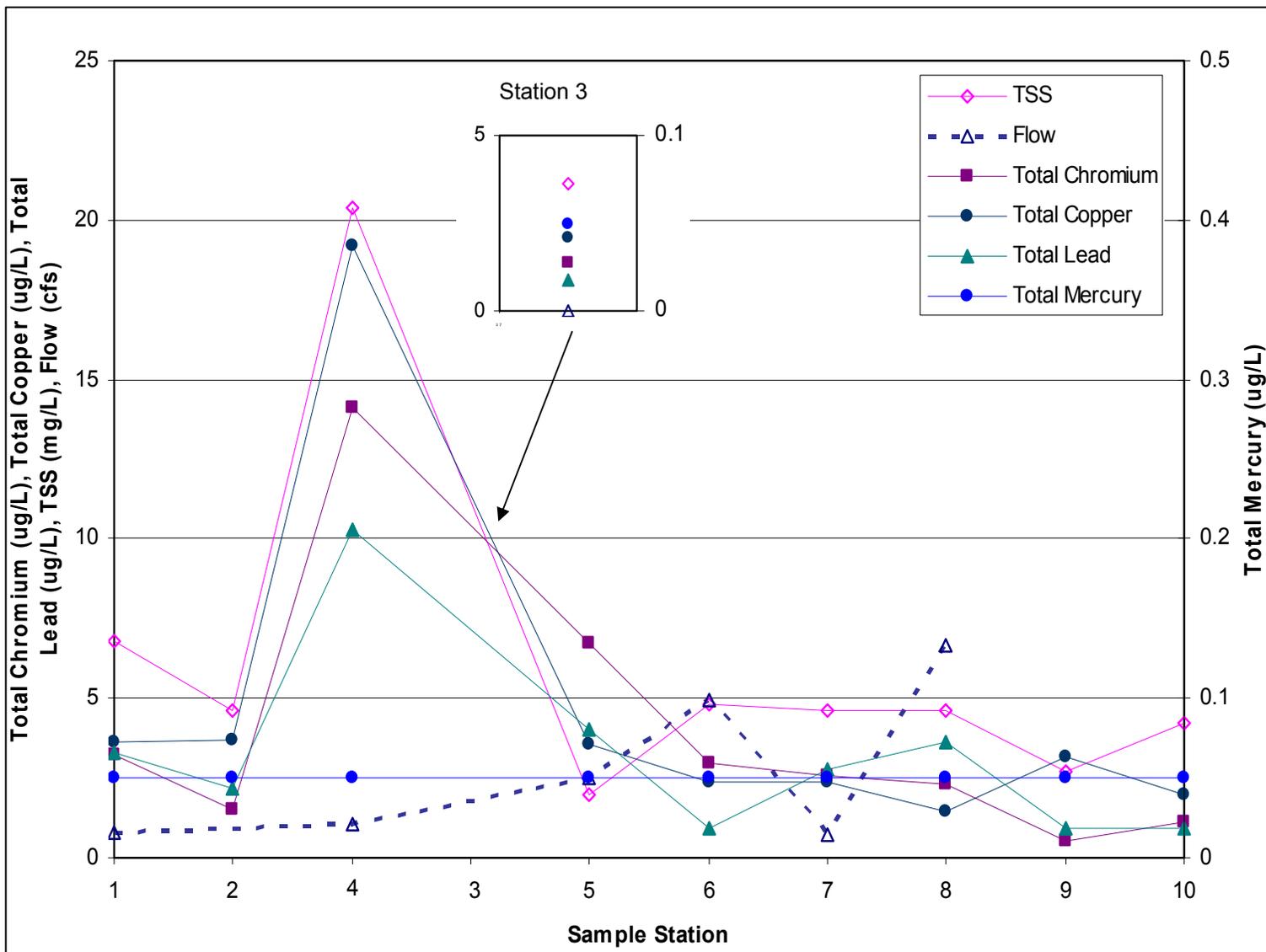


Figure 4-49: Total Chromium, Copper, Lead and Mercury During the August 23, 2001 Baseflow Sampling Event

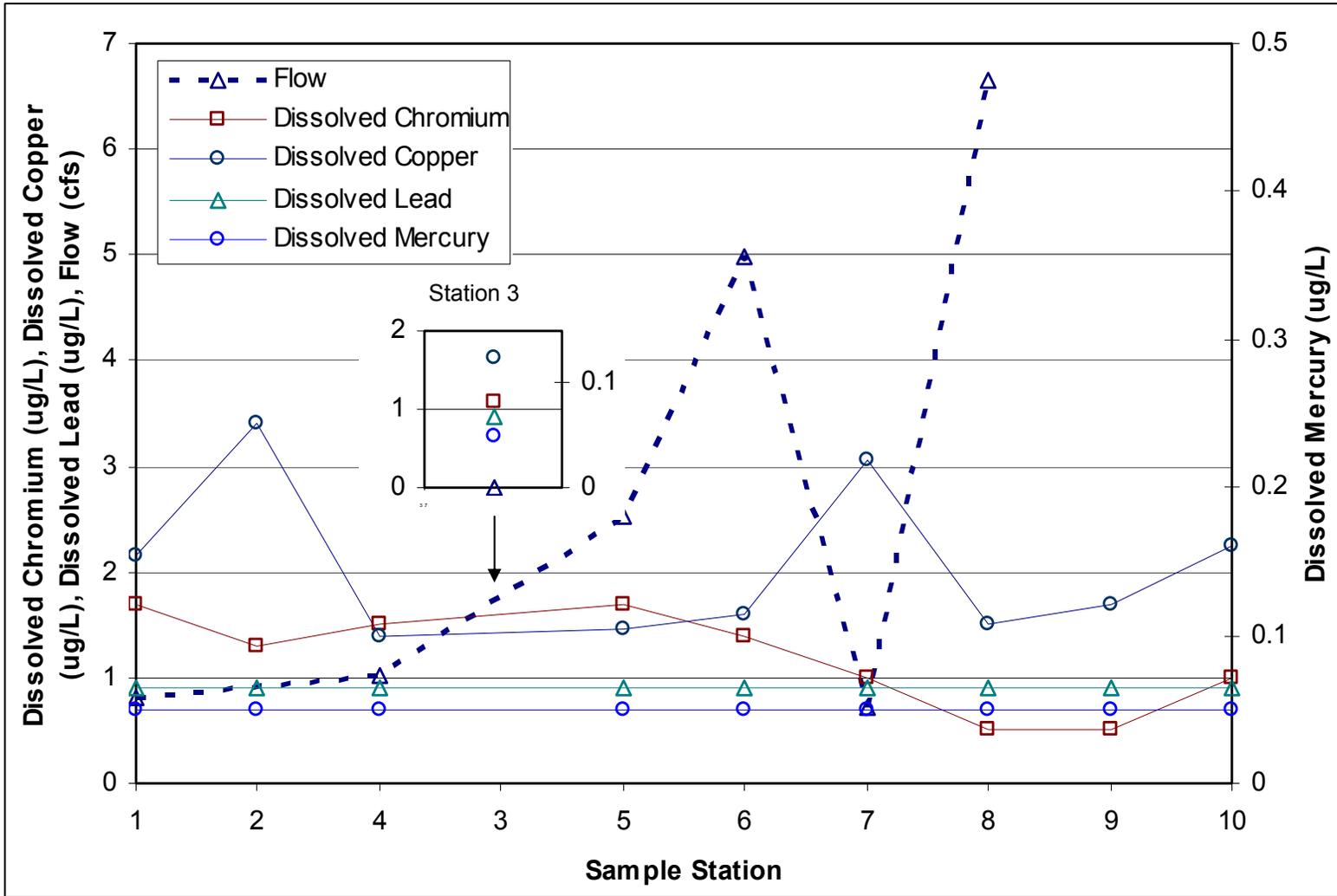


Figure 4-50: Dissolved Chromium, Copper, Lead and Mercury During the August 23, 2001 Baseflow Sampling Event

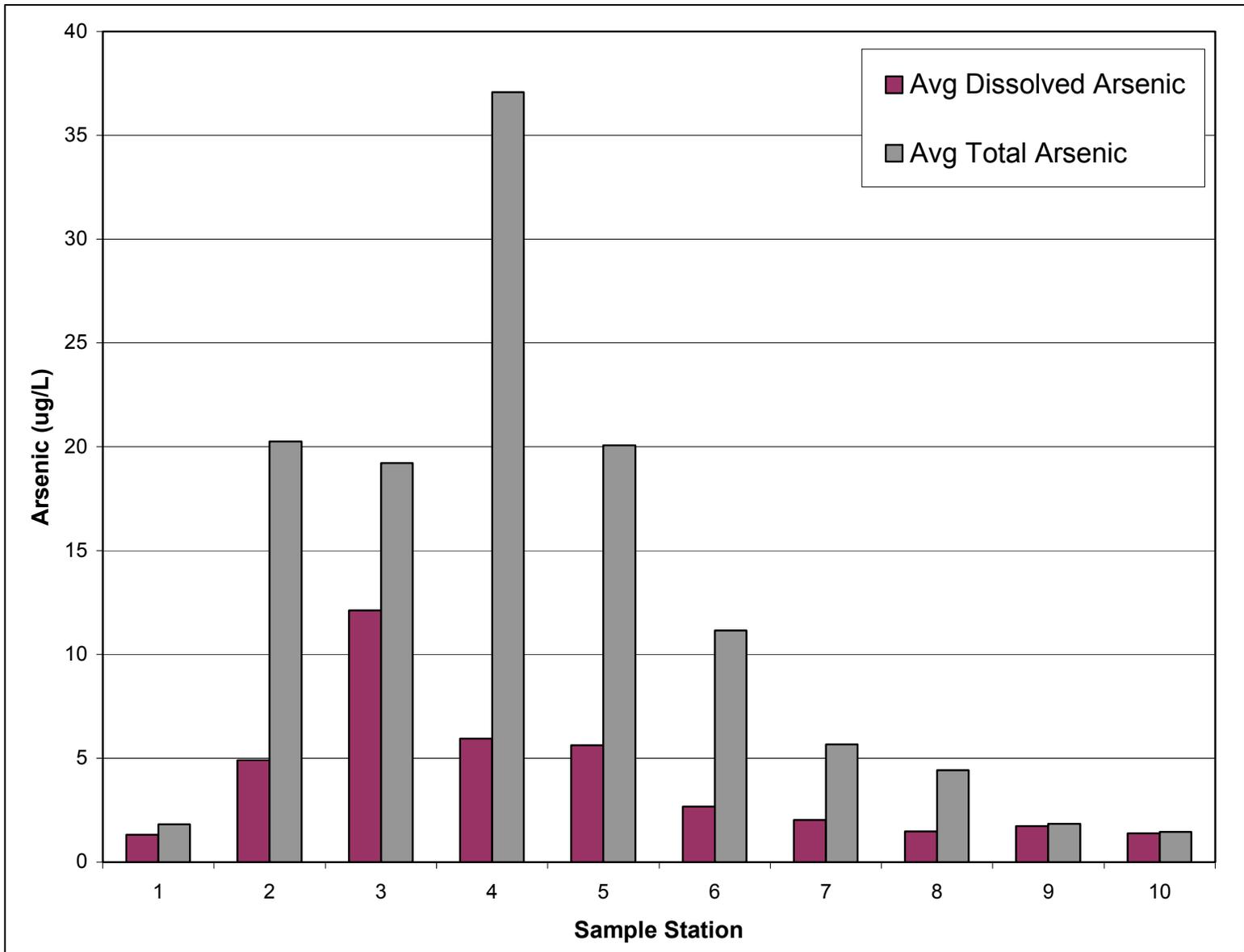


Figure 4-51: Average Baseflow Dissolved Versus Total Arsenic

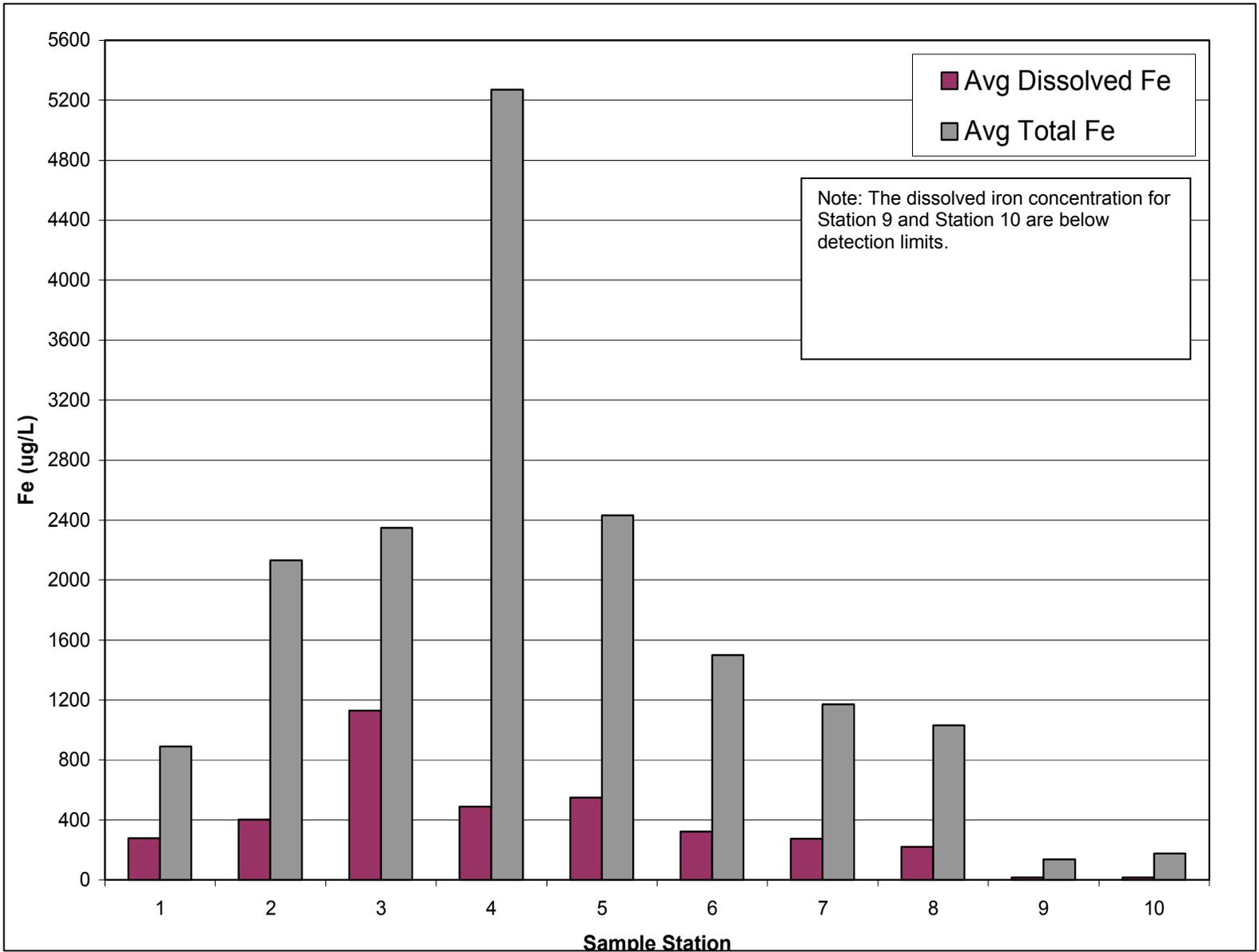


Figure 4-52: Average Baseflow Dissolved Versus Total Iron

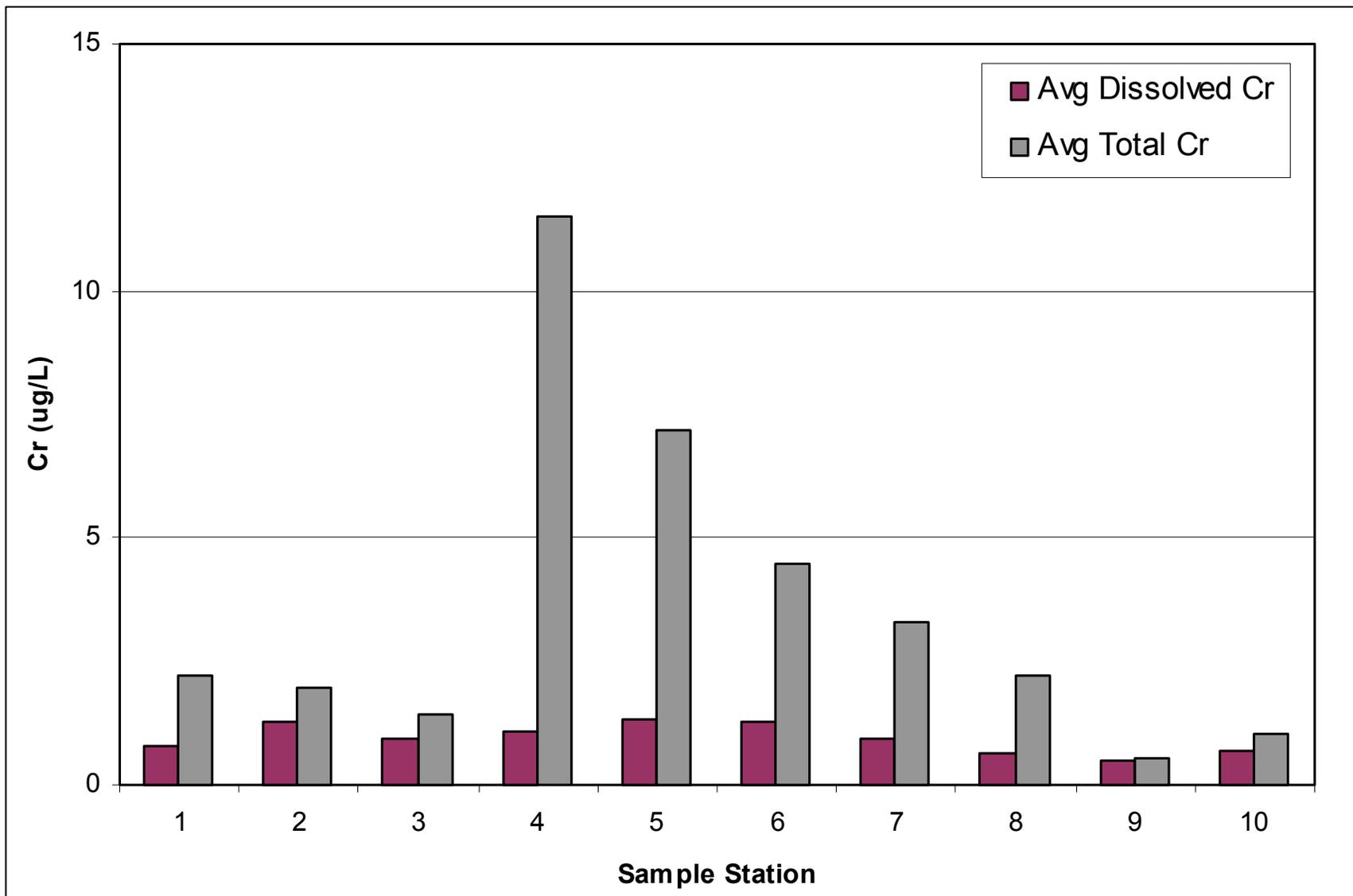


Figure 4-53: Average Baseflow Dissolved versus Total Chromium

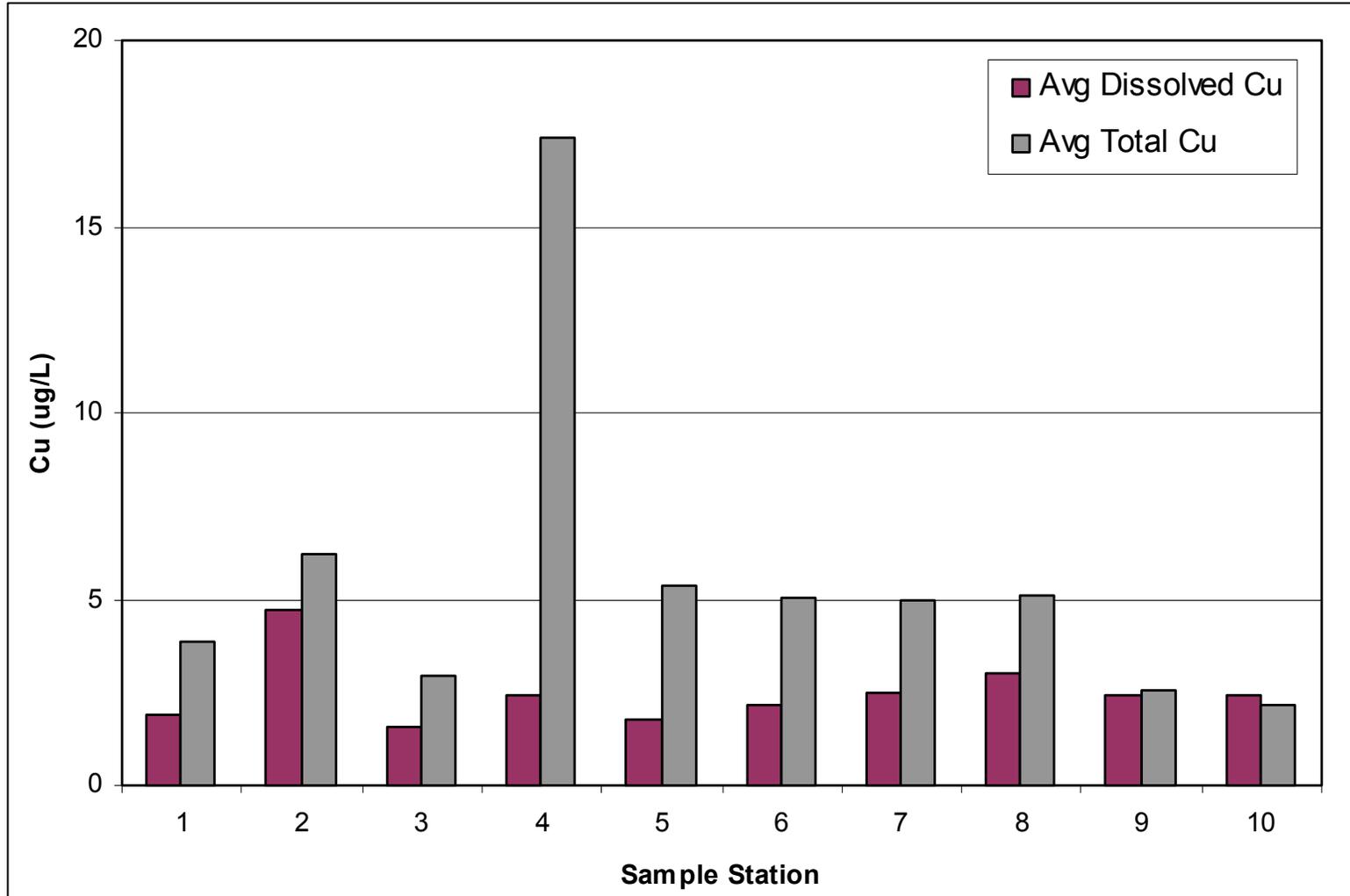


Figure 4-54: Average Baseflow Dissolved versus Total Copper (The Dissolved Copper Value For Station 10 Was Computed at Slightly Greater than the Total Value. This was Likely Caused by the Majority of Samples Measuring Near or Below the Instrument Detection Limit )

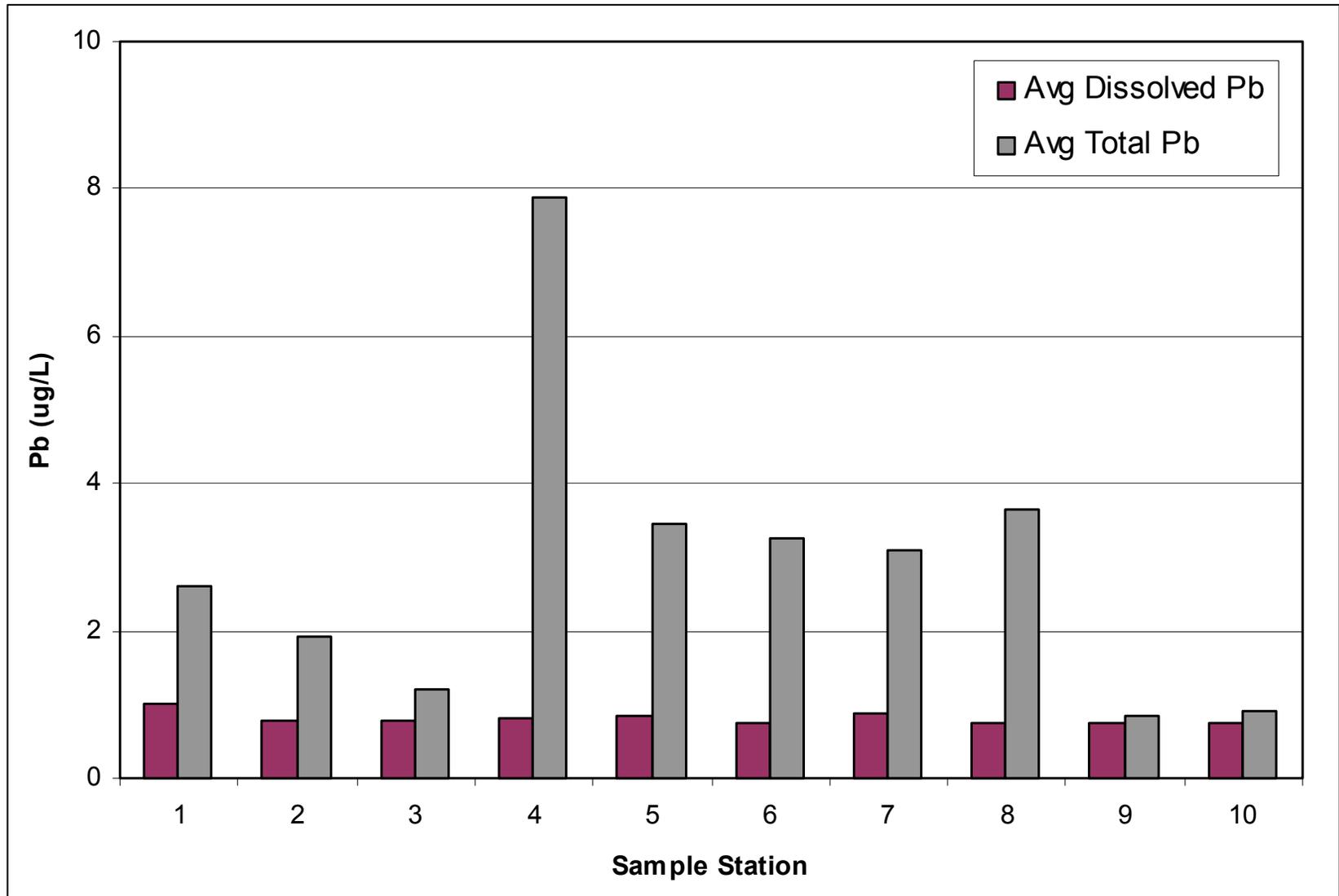


Figure 4-55: Average Baseflow Dissolved versus Total Lead

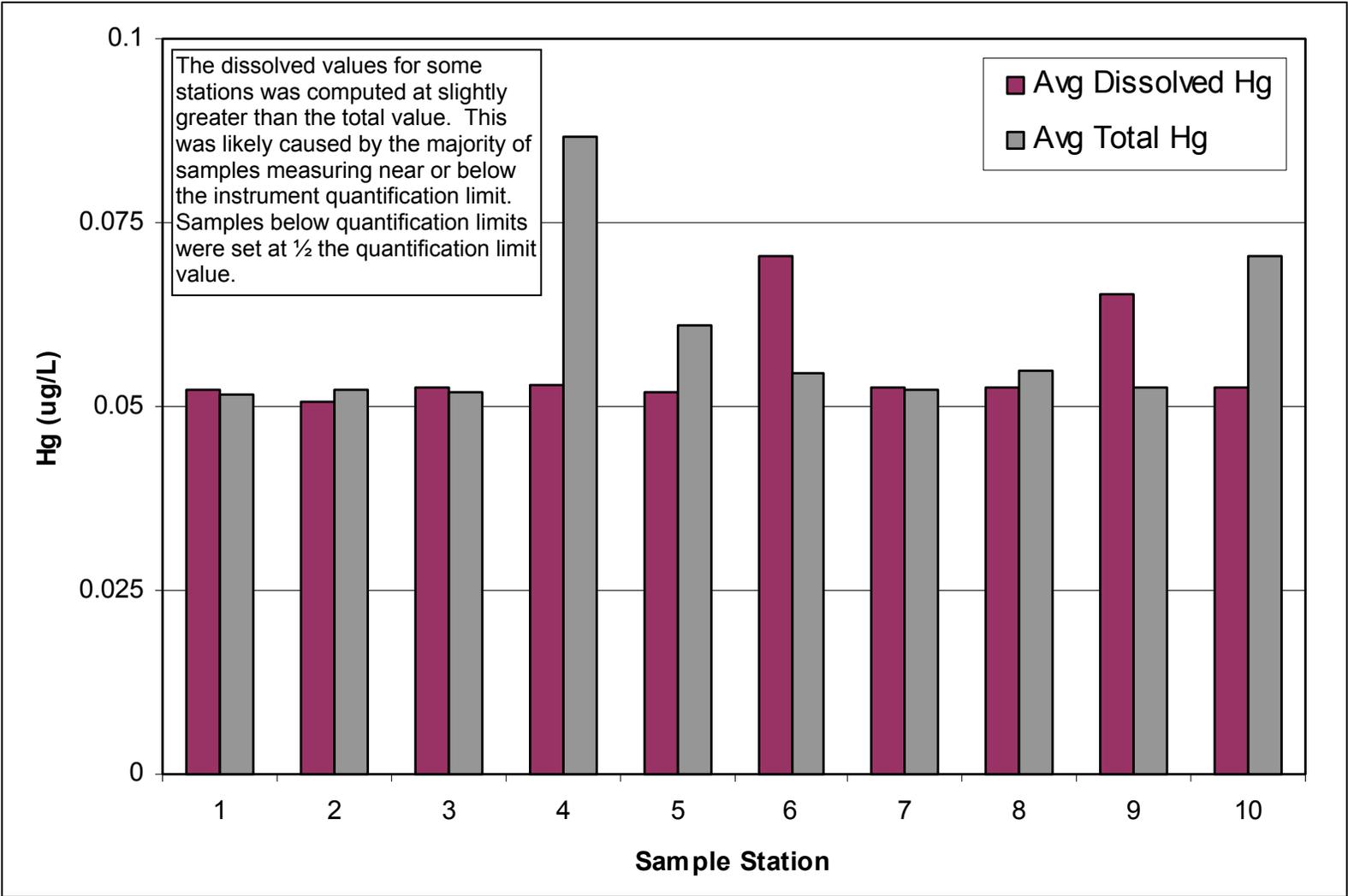


Figure 4-56: Average Baseflow Dissolved versus Total Mercury

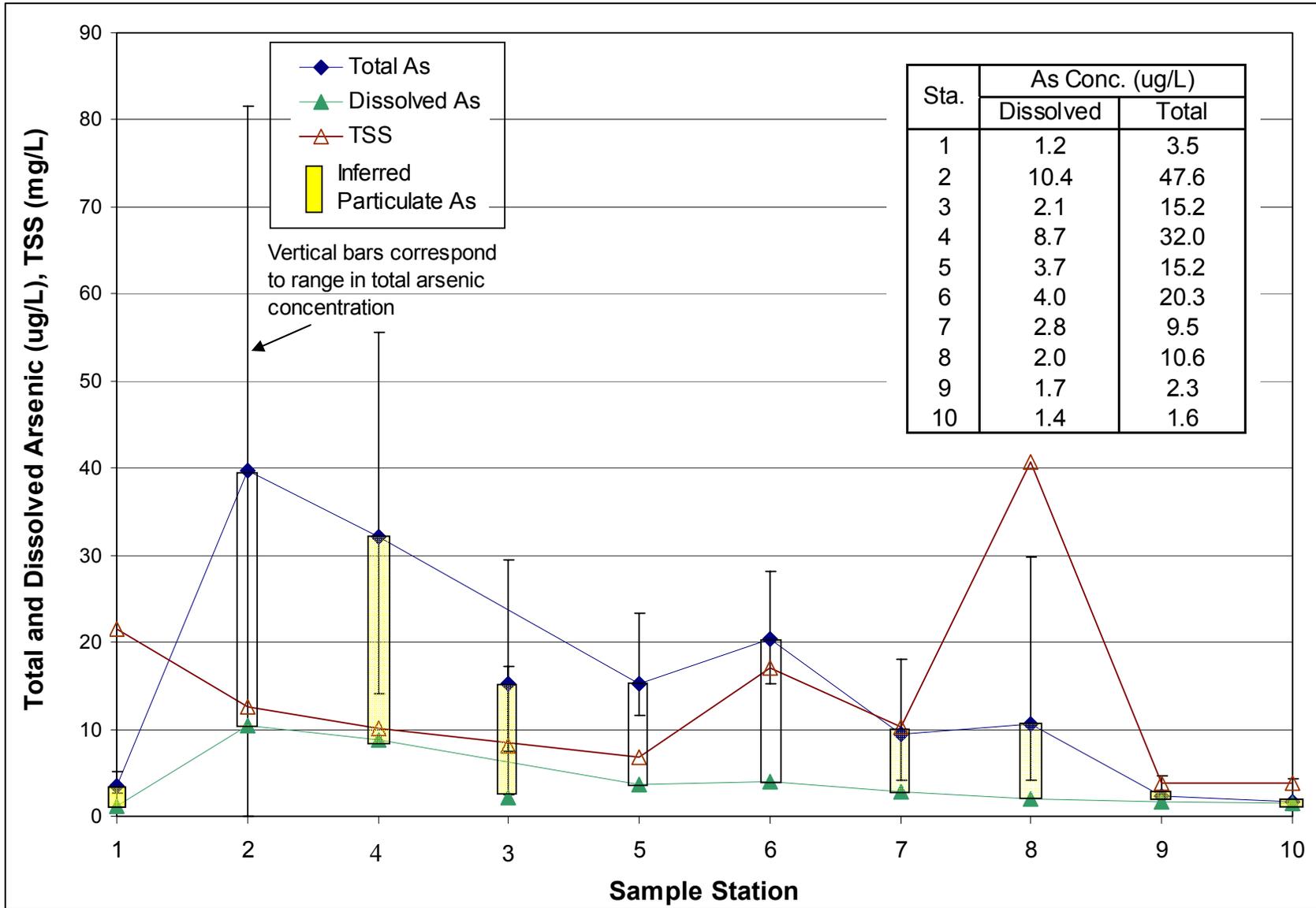


Figure 4-57: Average Total and Dissolved Arsenic Concentrations per Sample Station During Storm Flow Conditions

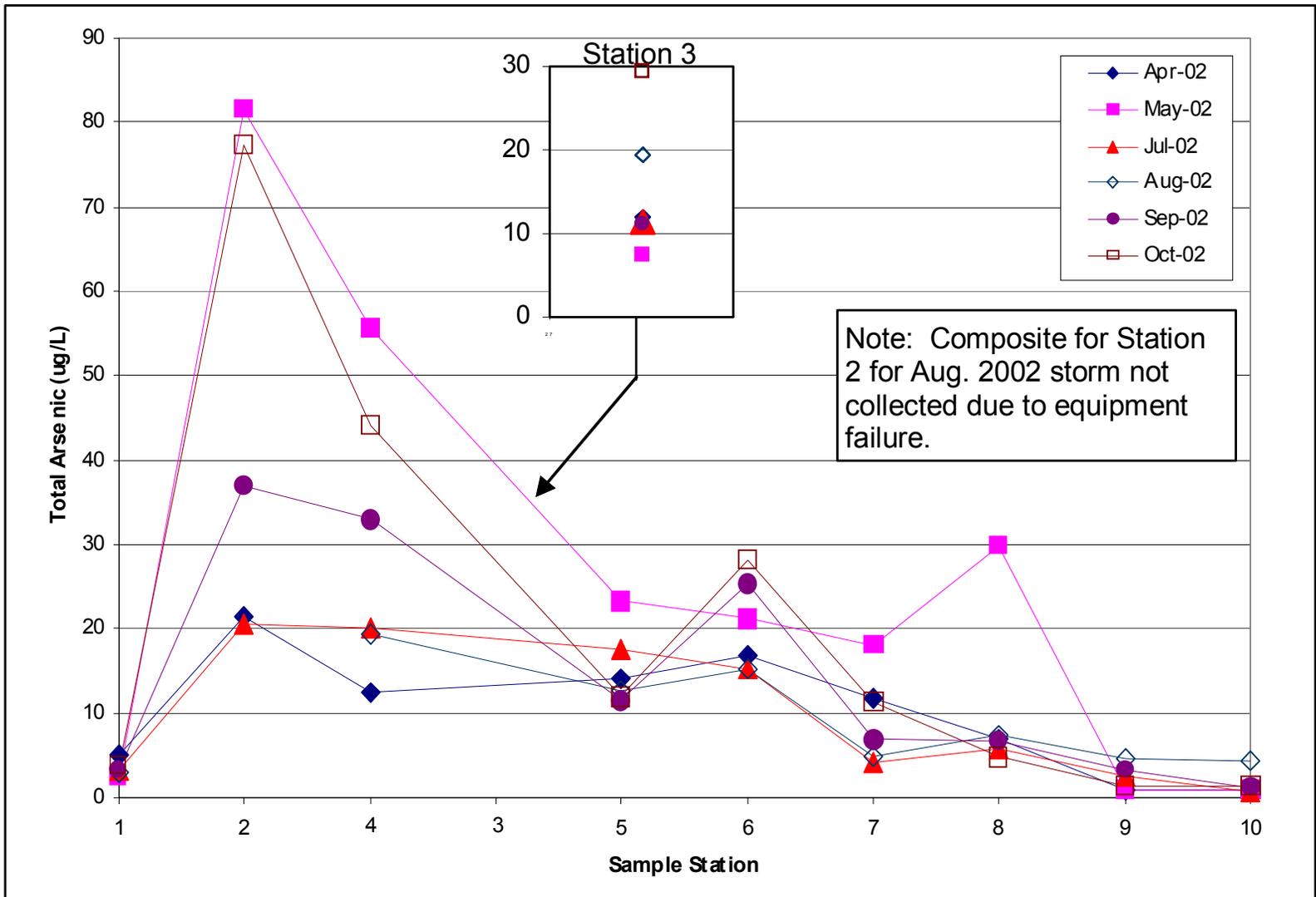


Figure 4-58: Storm – Composite Total Arsenic Concentration per Sample Station During Storm Flow Conditions

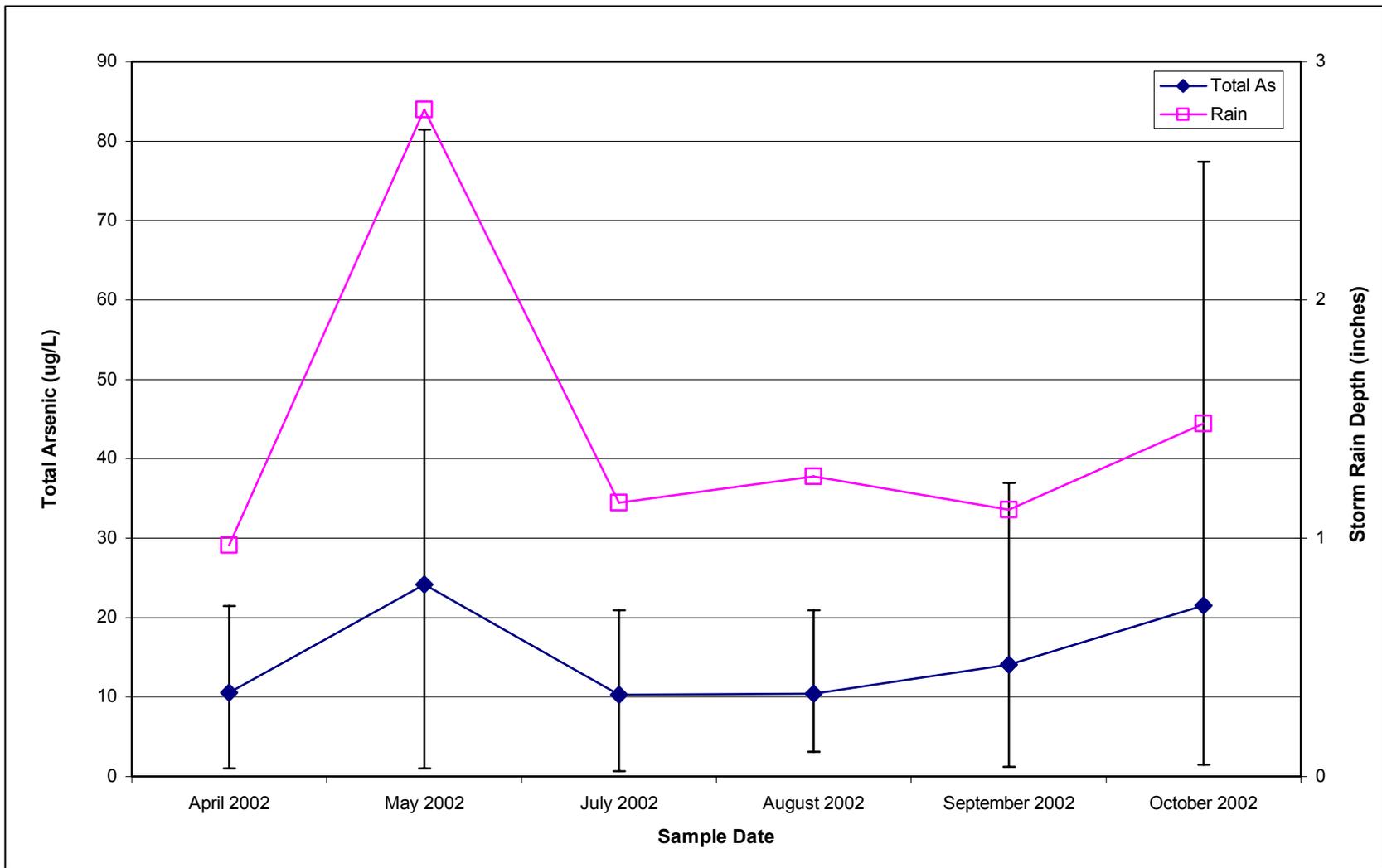


Figure 4-59: Average Total Arsenic Concentrations per Sampling Date During Storm Flow Conditions

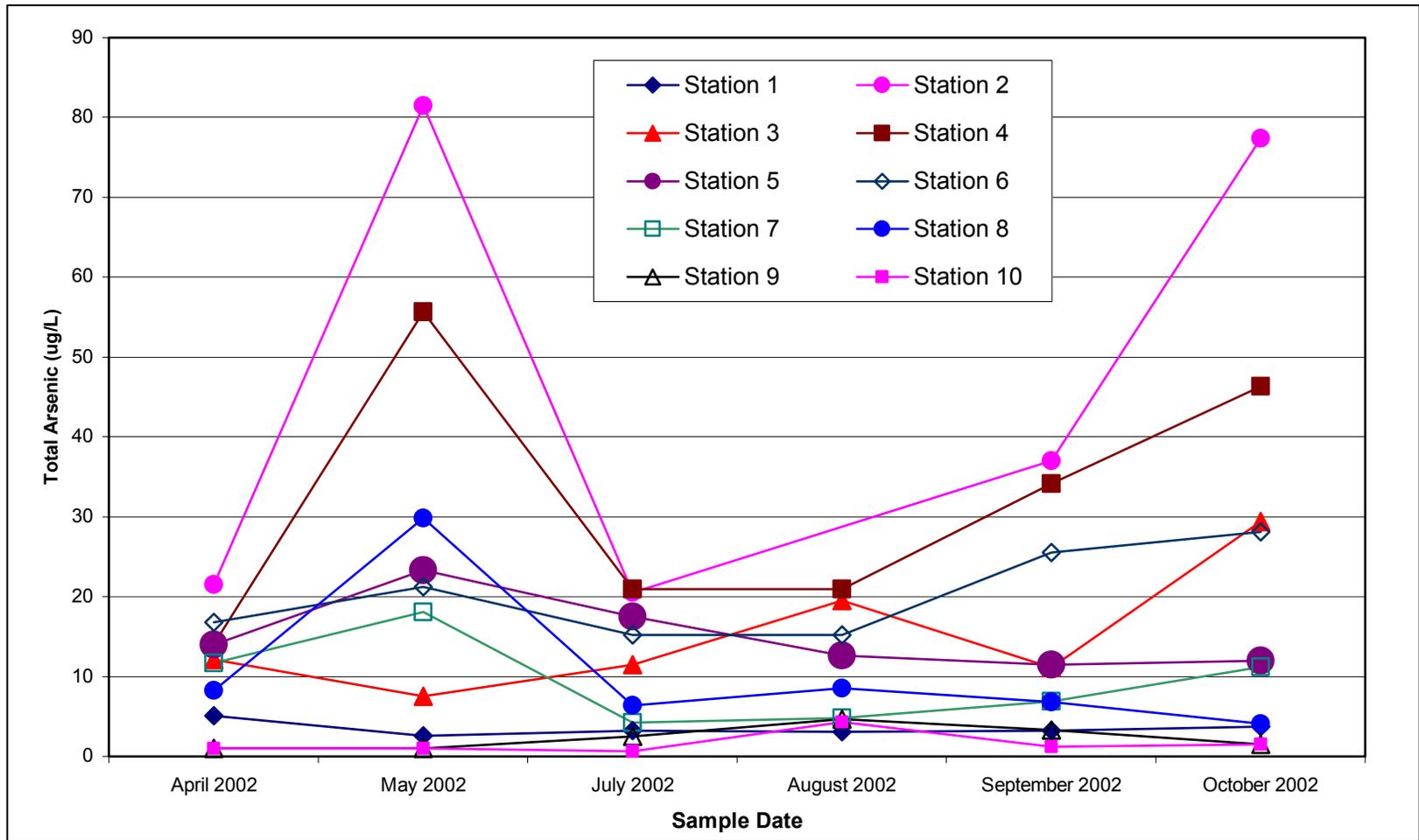


Figure 4-60: Storm – Composite Total Arsenic Concentrations per Sampling Date During Storm Flow Conditions

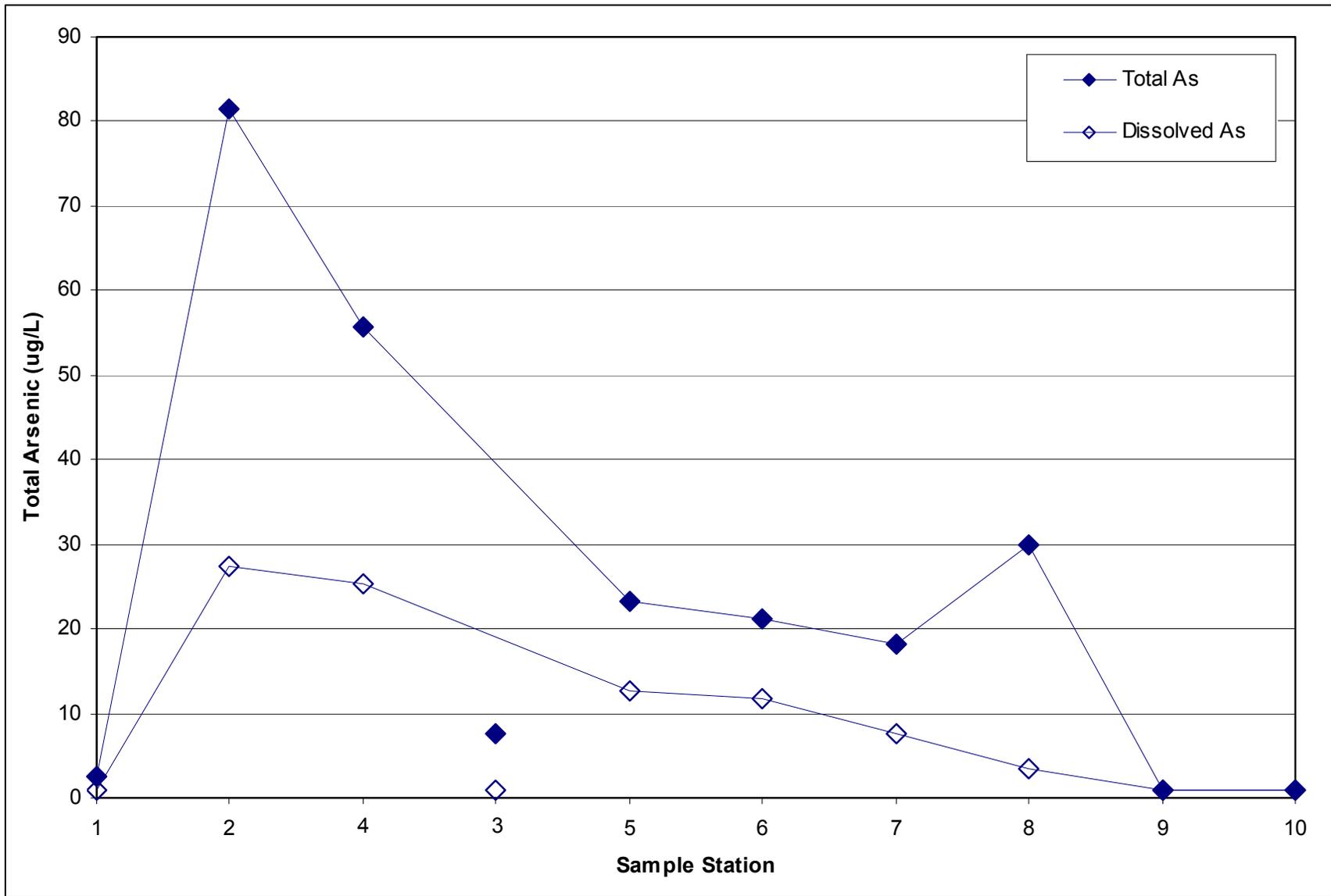


Figure 4-61: Storm – Composite Total and Dissolved Arsenic Concentrations for the May 12, 2002 Storm Event

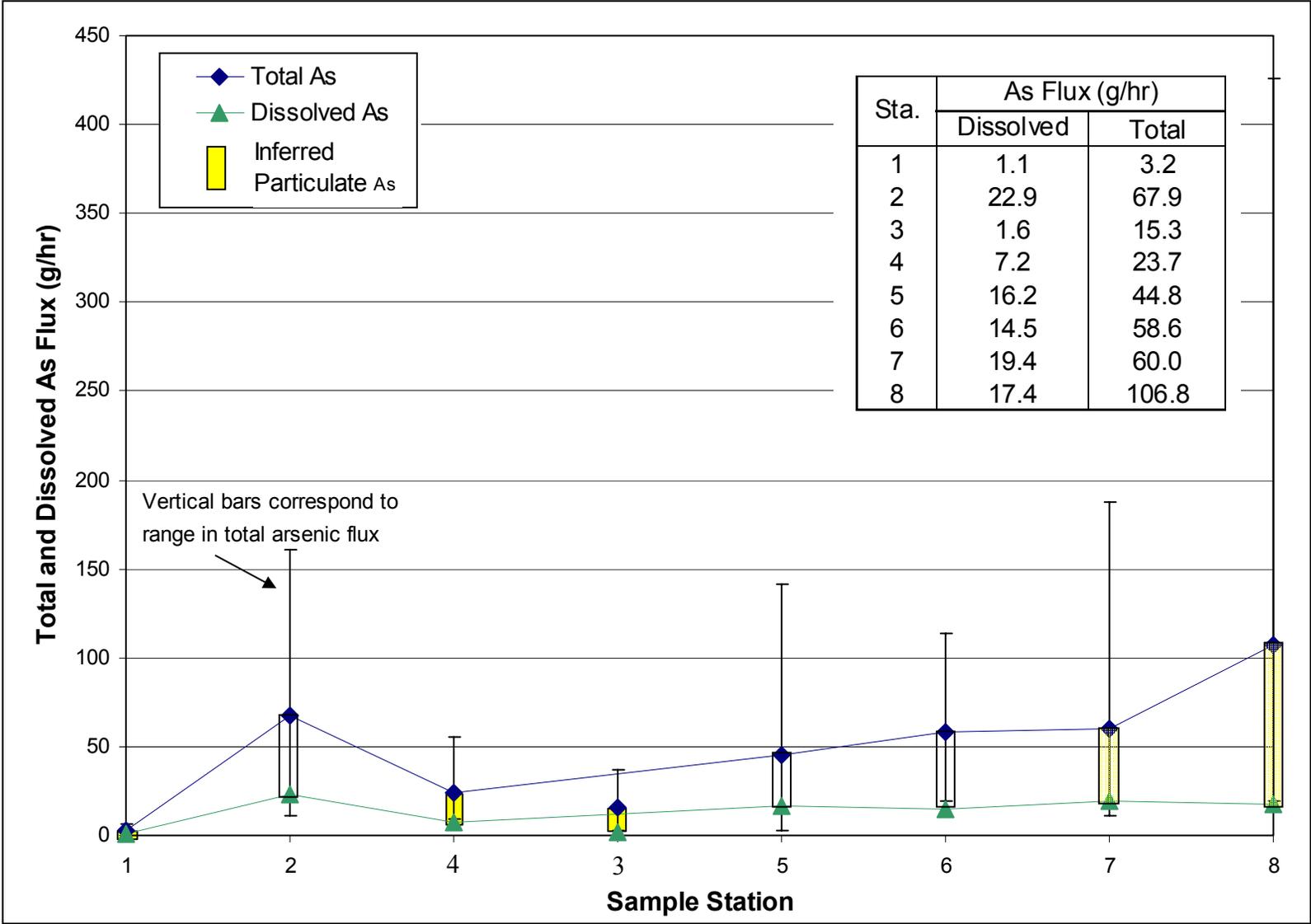


Figure 4-62: Storm Event Overall Average Arsenic Flux per Sample Station

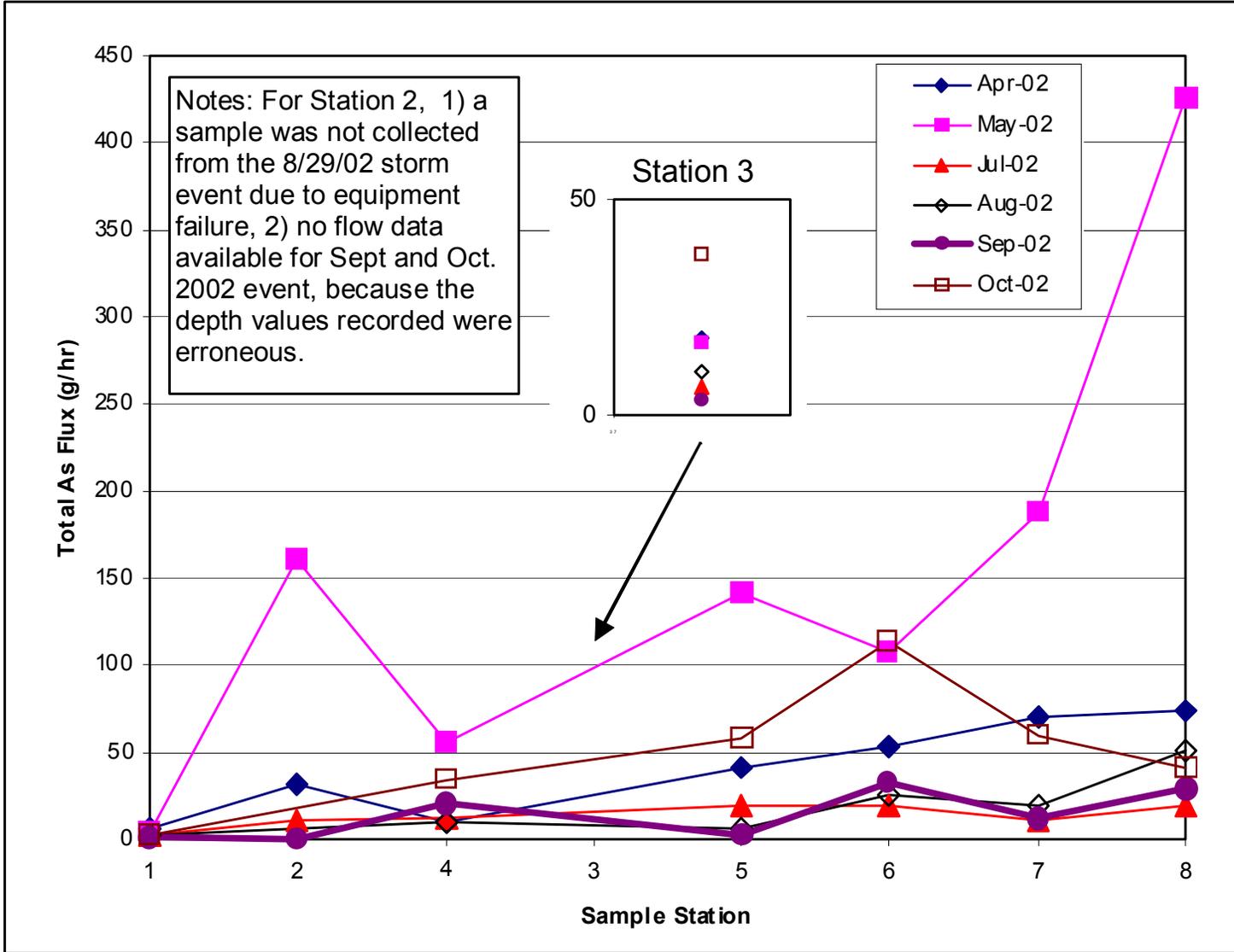


Figure 4-63: Arsenic Flux at Each Sample Station for Each Storm Event

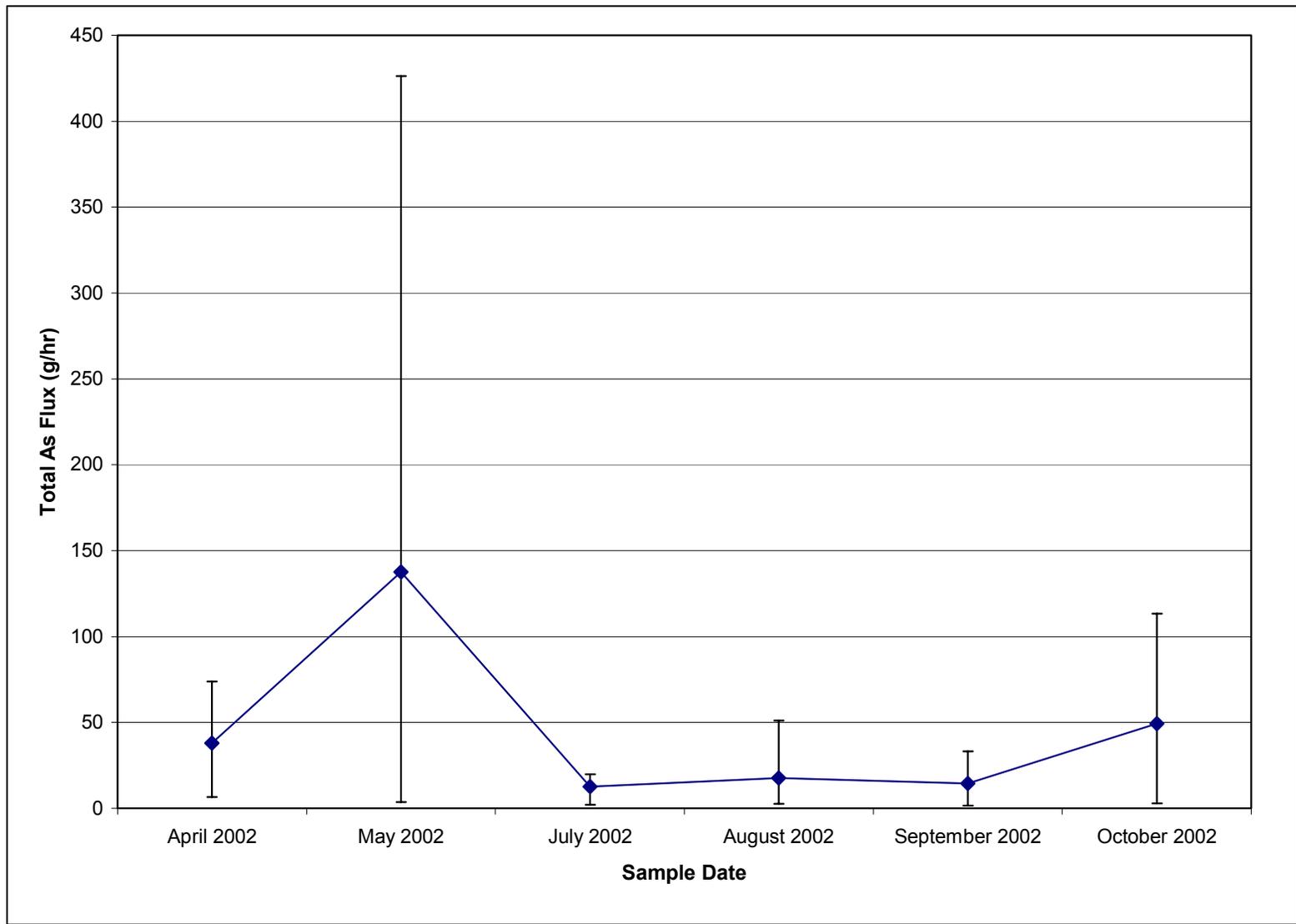


Figure 4-64: Storm Event Overall Average Arsenic Flux per Sample Date

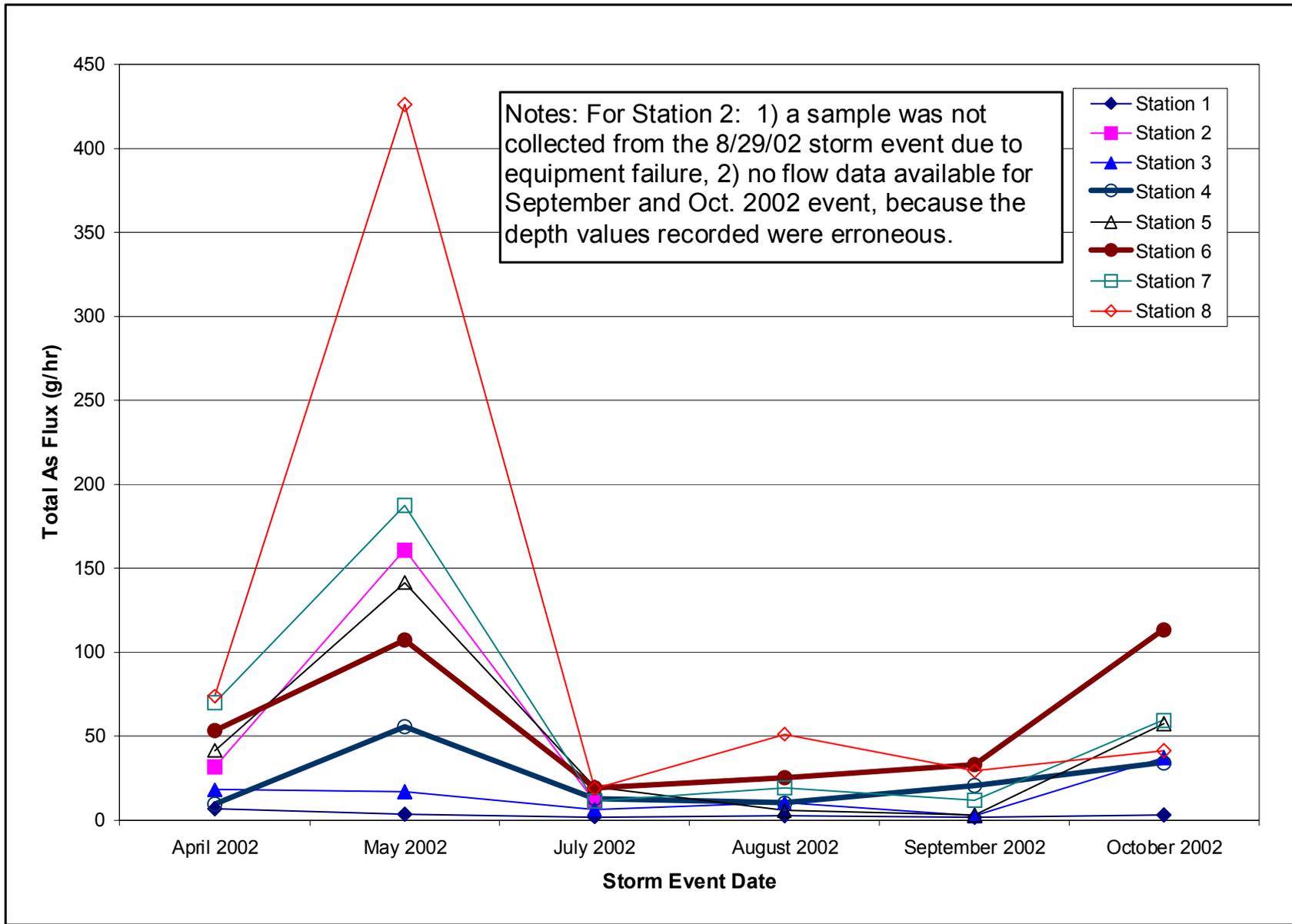


Figure 4-65: Arsenic Flux for each Storm Event at each Sample Station

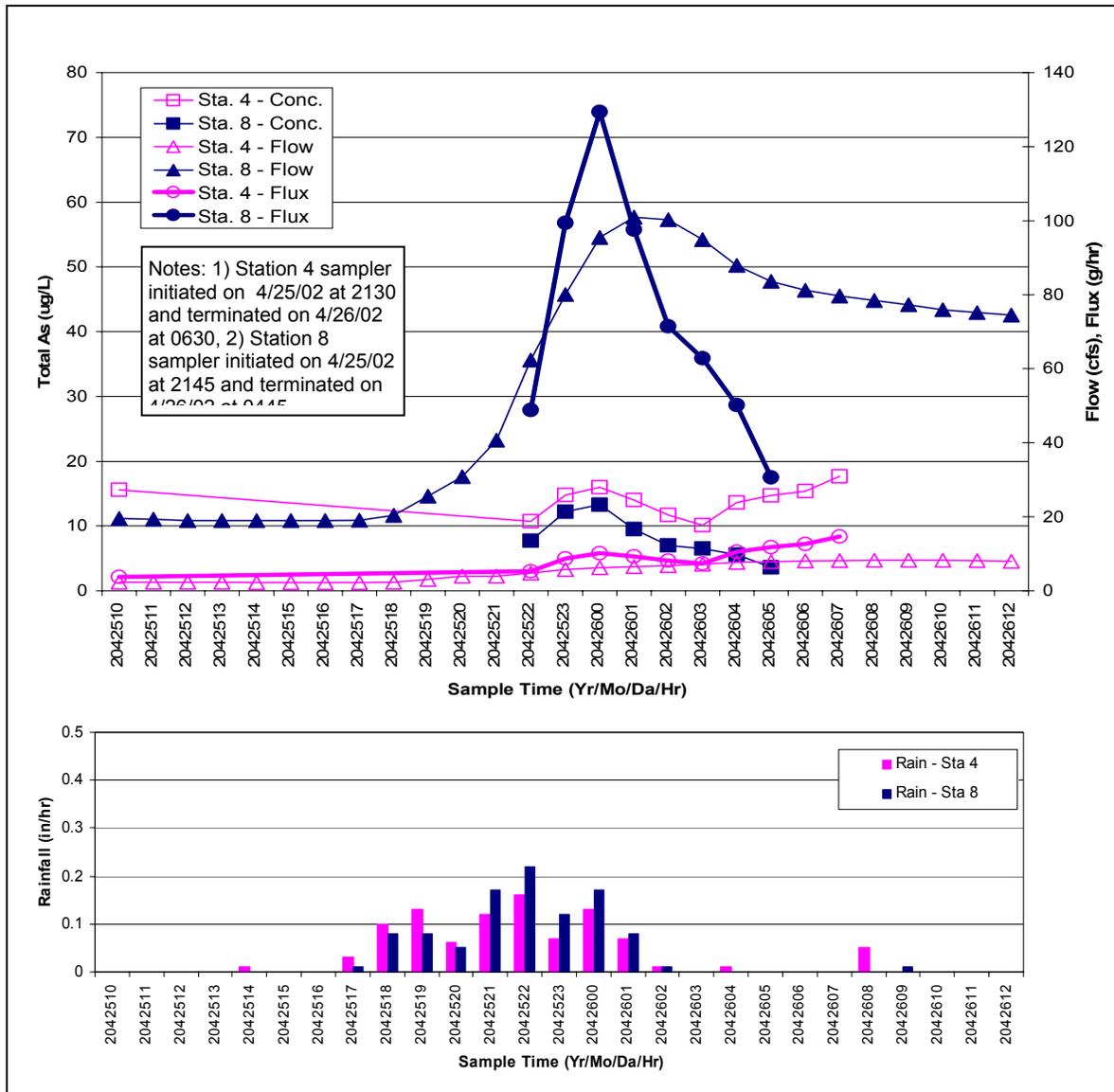


Figure 4-66: Storm Arsenic Flux for Stations 4 and 8 for April 2002 Event

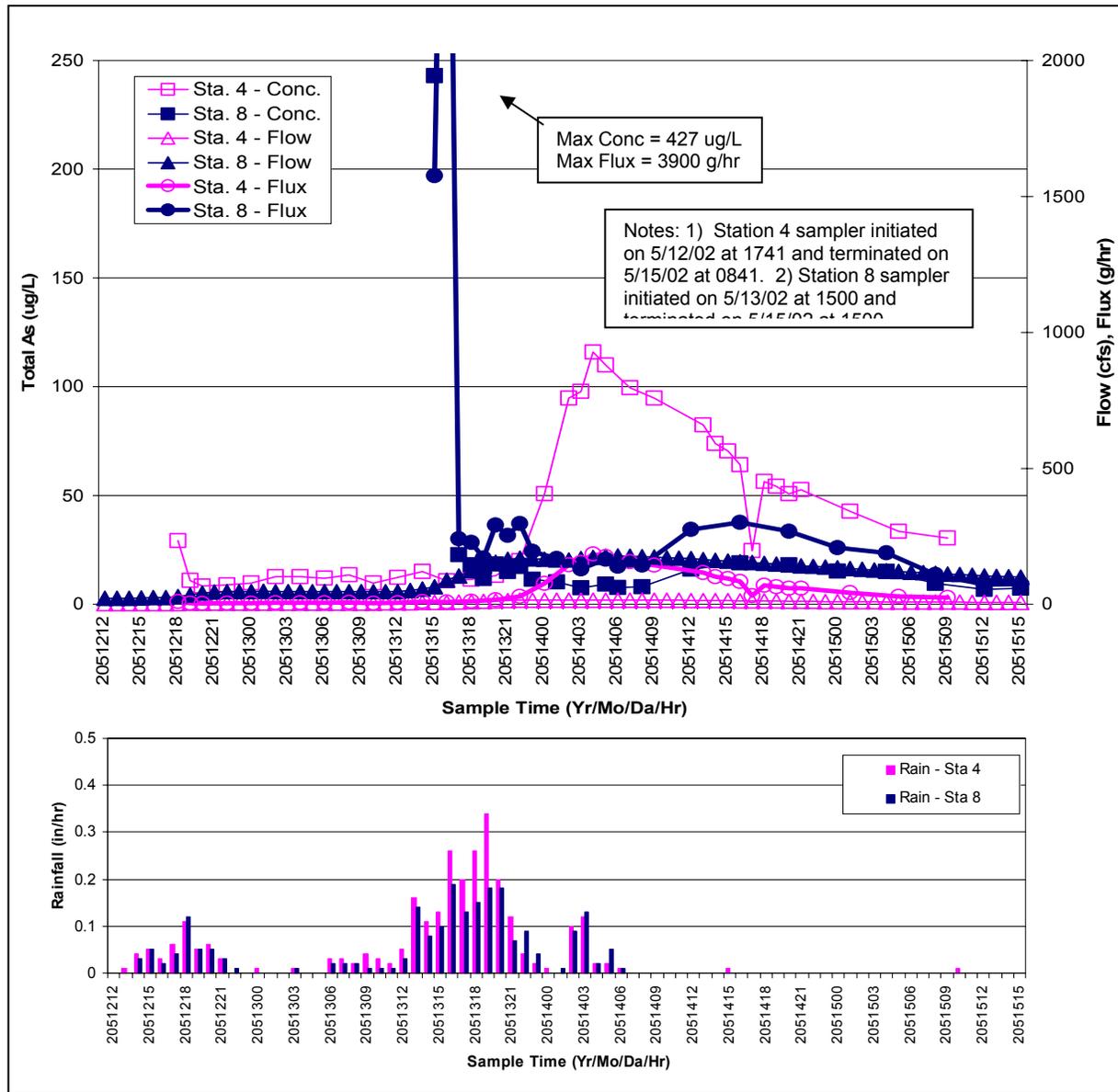


Figure 4-67: Storm Arsenic Flux for Stations 4 and 8 for May 2002 Event

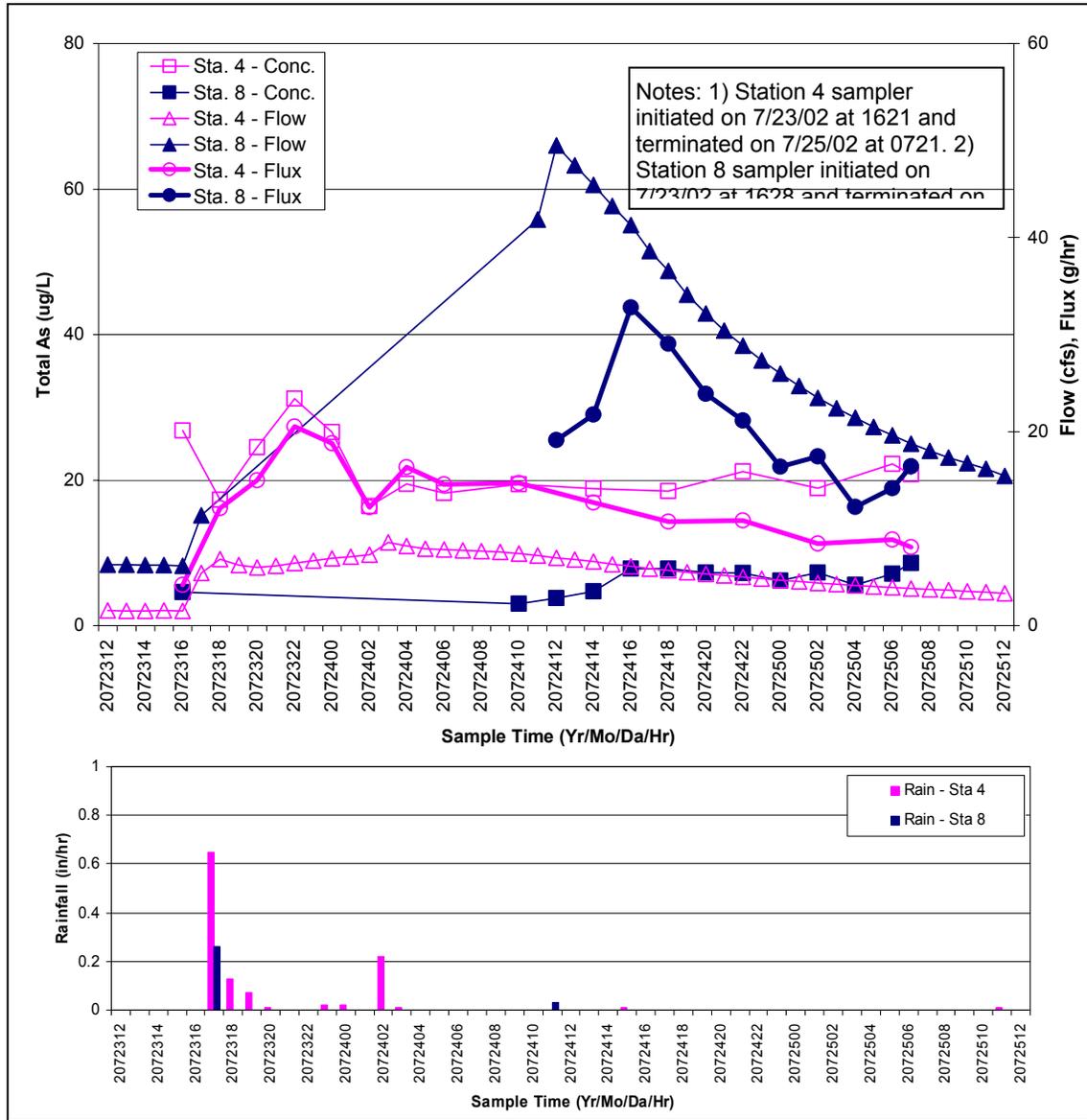


Figure 4-68: Storm Arsenic Flux for Stations 4 and 8 for July 2002 Event

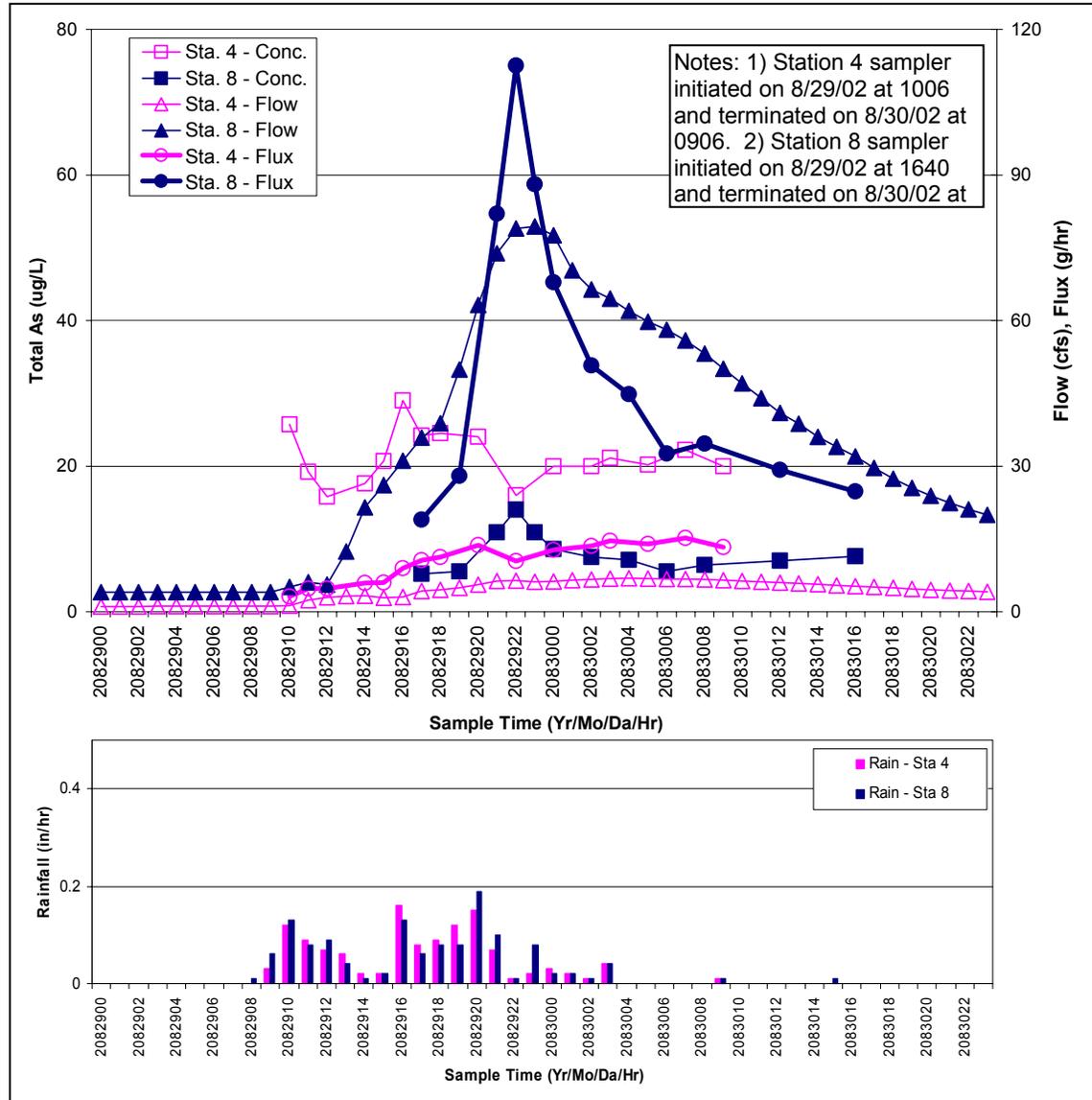


Figure 4-69: Storm Arsenic Flux for Stations 4 and 8 for August 2002 Event

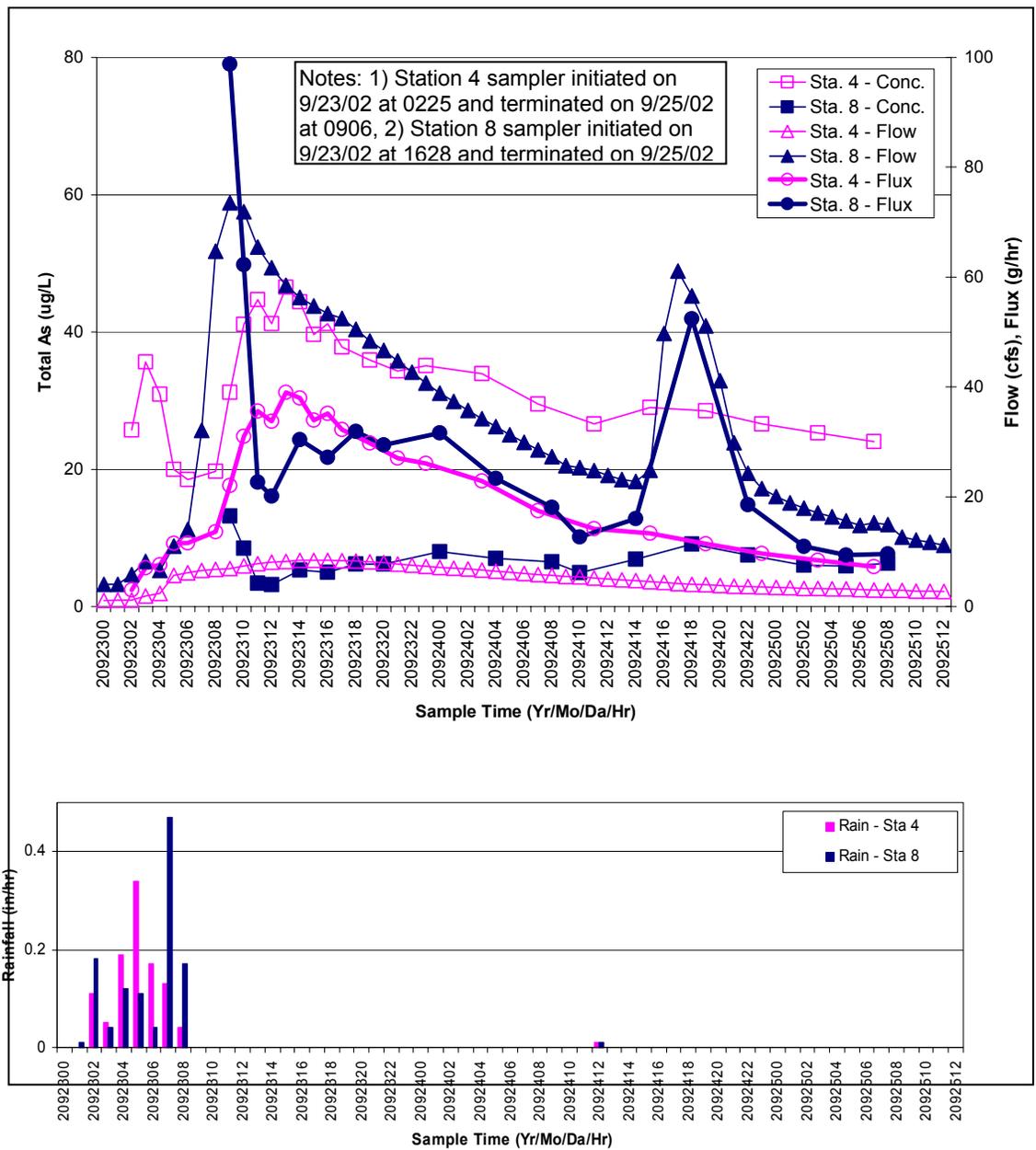


Figure 4-70: Storm Arsenic Flux for Stations 4 and 8 for September 2002 Event

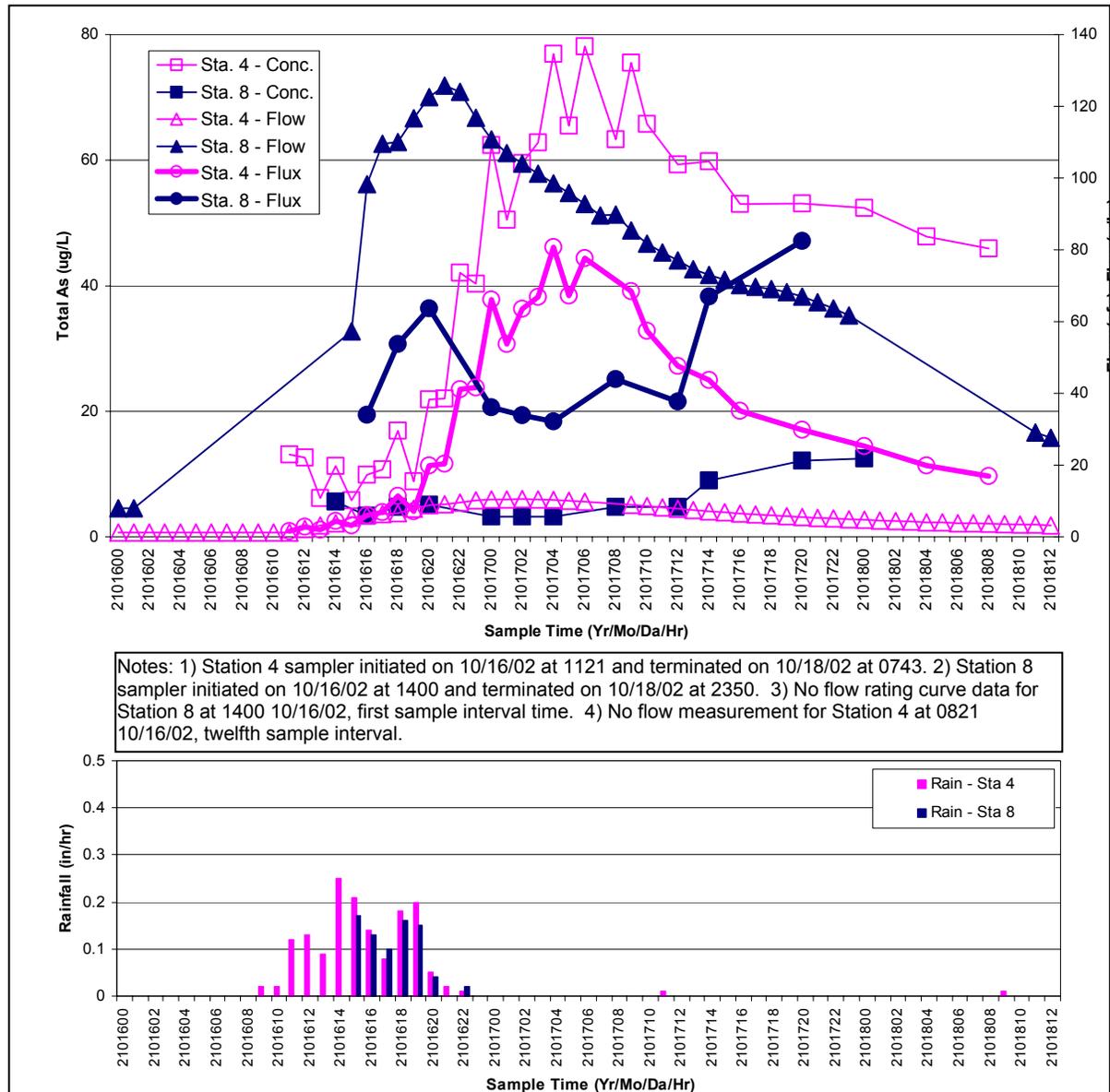


Figure 4-71: Storm Arsenic Flux for Stations 4 and 8 for October 2002 Event

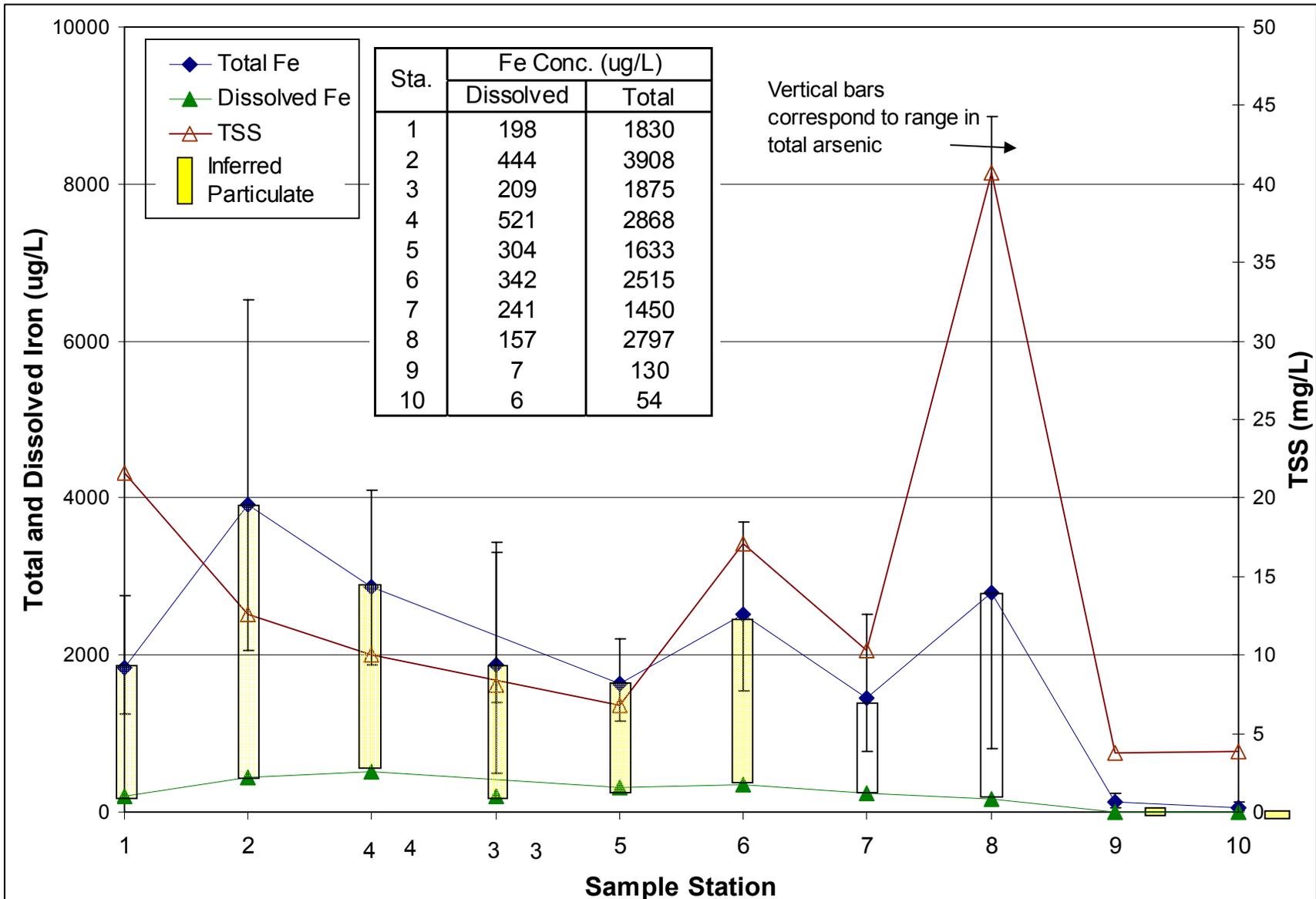


Figure 4-72: Average Total Iron Concentrations per Sample Station During Storm Conditions

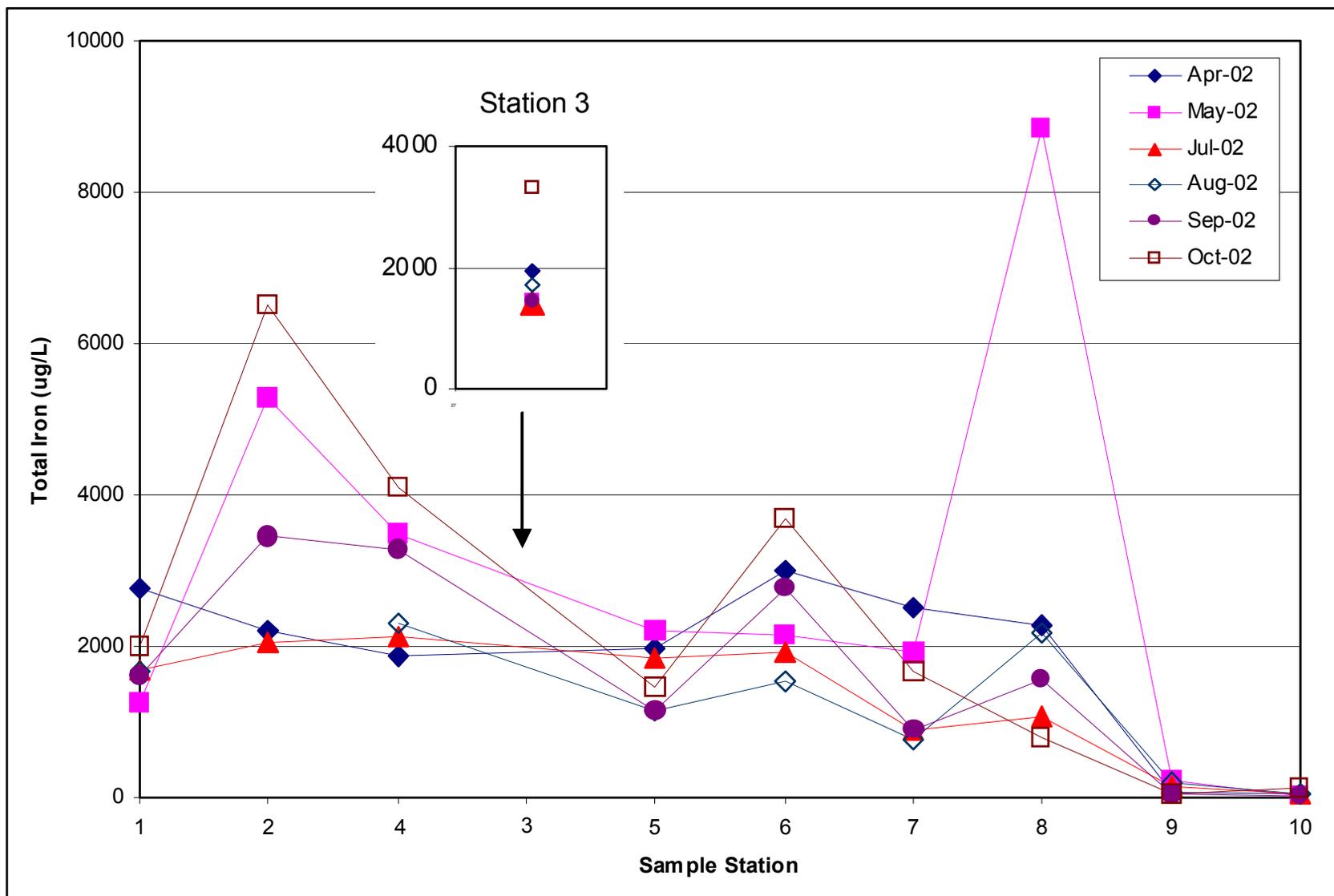


Figure 4-73: Storm-Composite Total Iron Concentrations per Sample Station

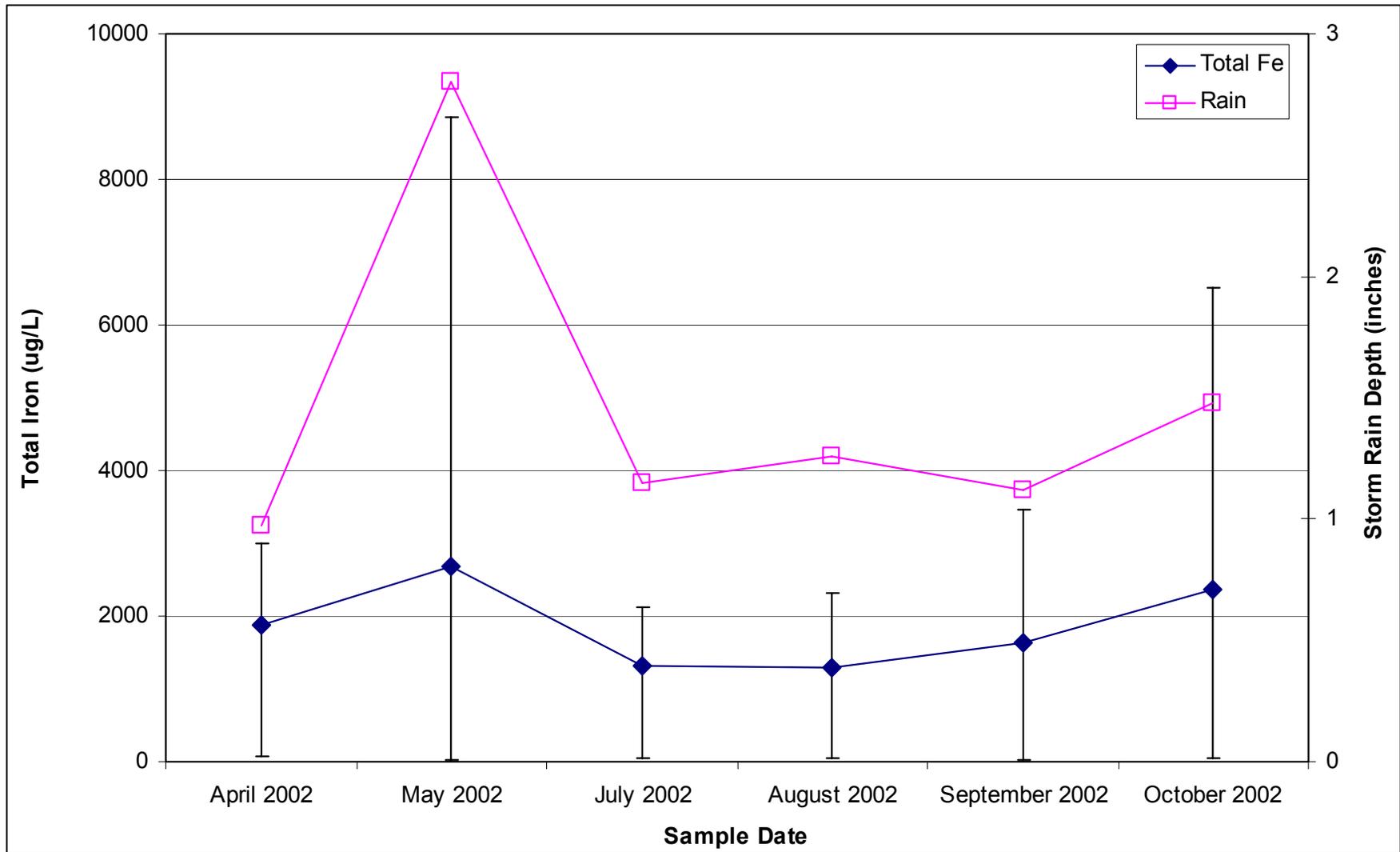


Figure 4-74: Average Total Iron Concentrations per Sampling Date During Storm Flow Conditions

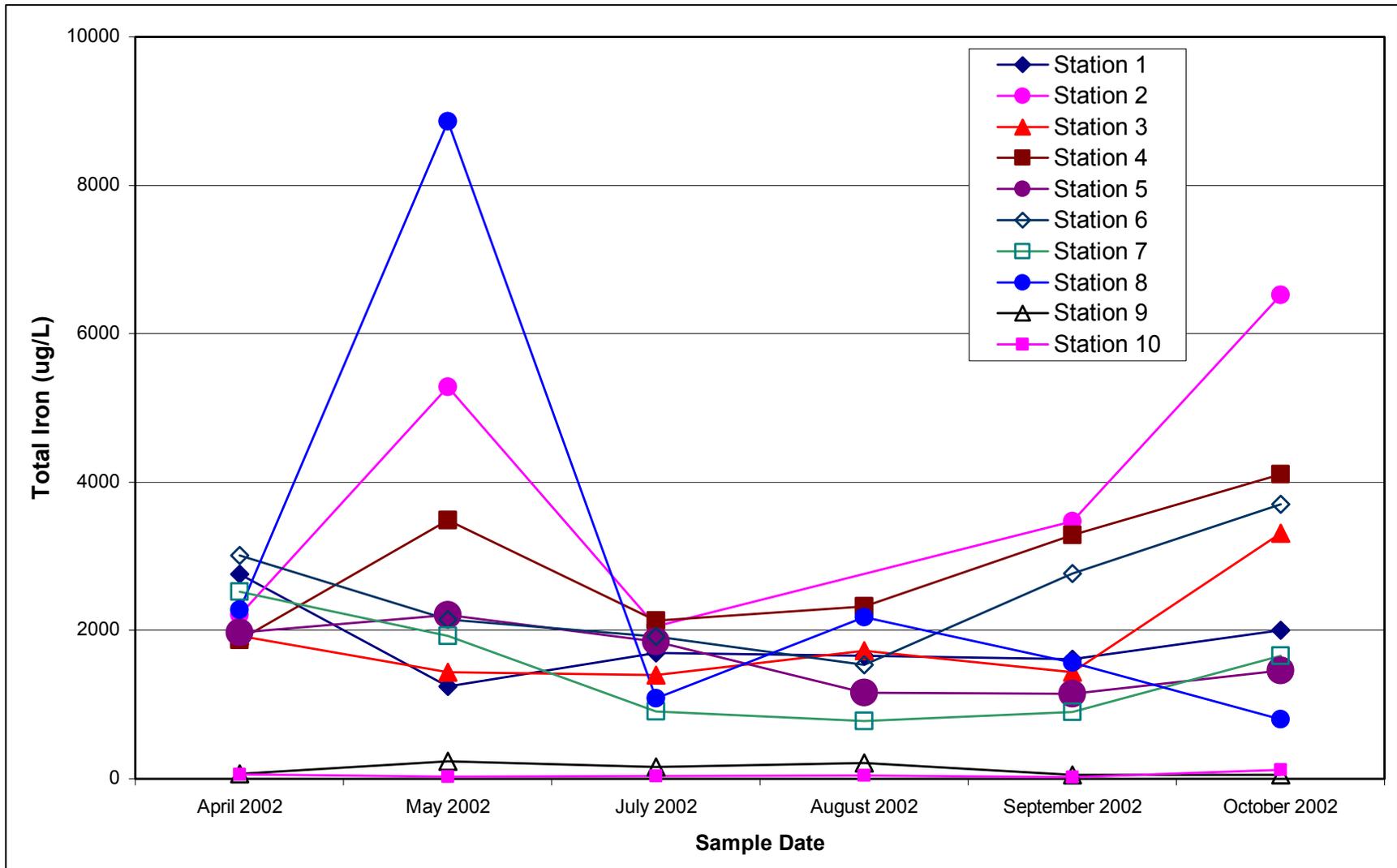


Figure 4-75: Storm-Composite Total Iron Concentrations per Sampling Date

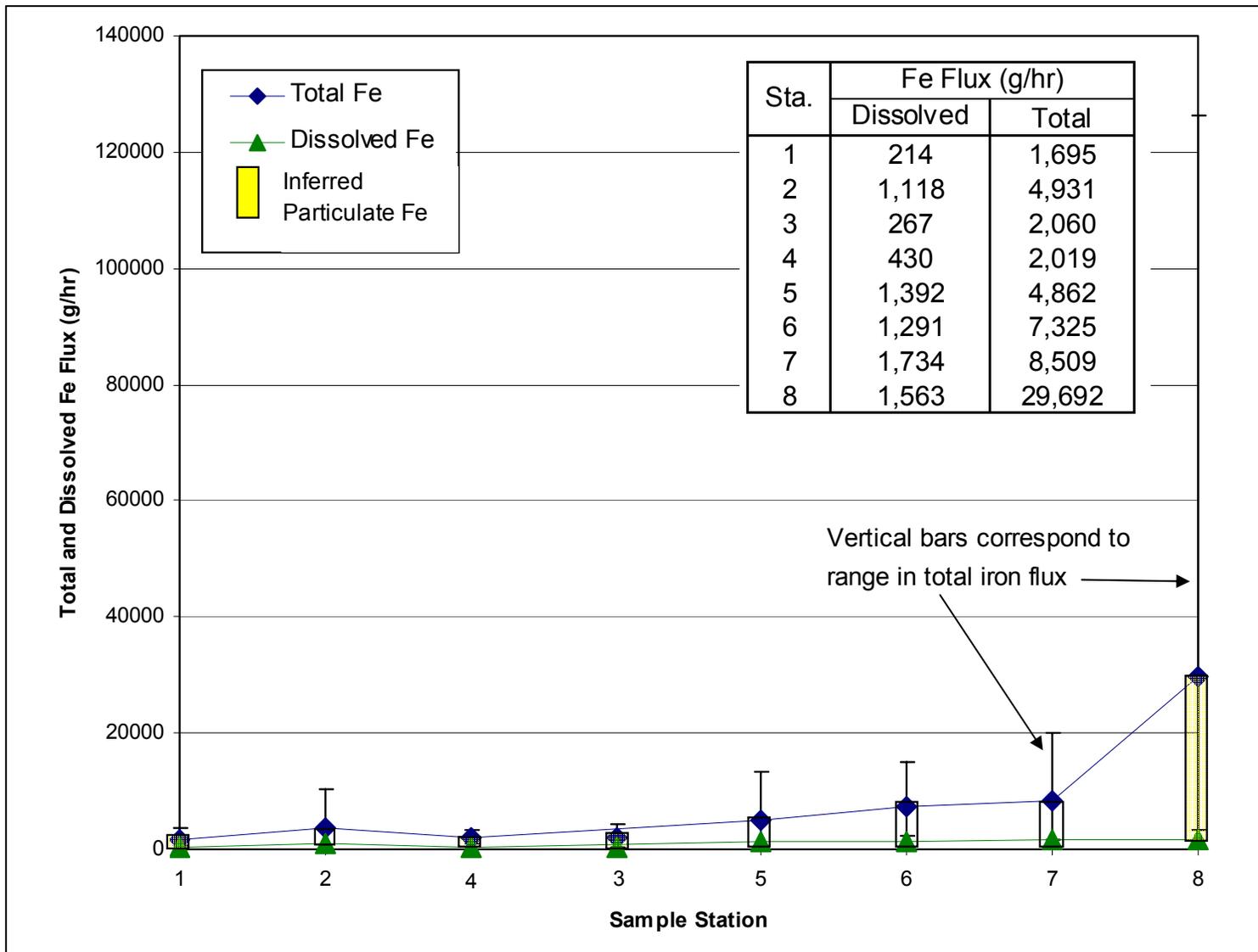


Figure 4-76: Storm Event Overall Average Iron Flux per Sample Station

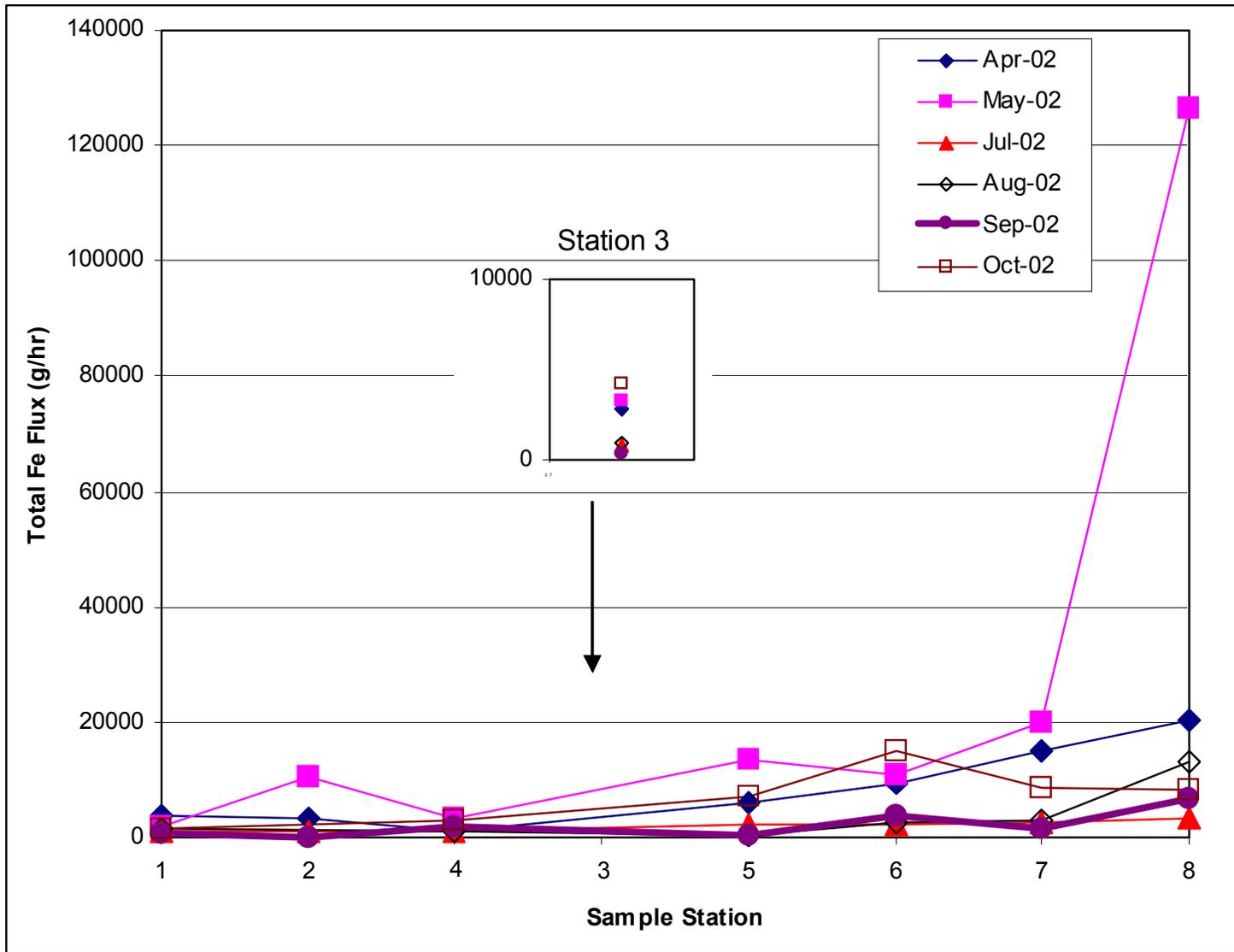


Figure 4-77: Iron Flux at Each Sample Station for Each Storm Event

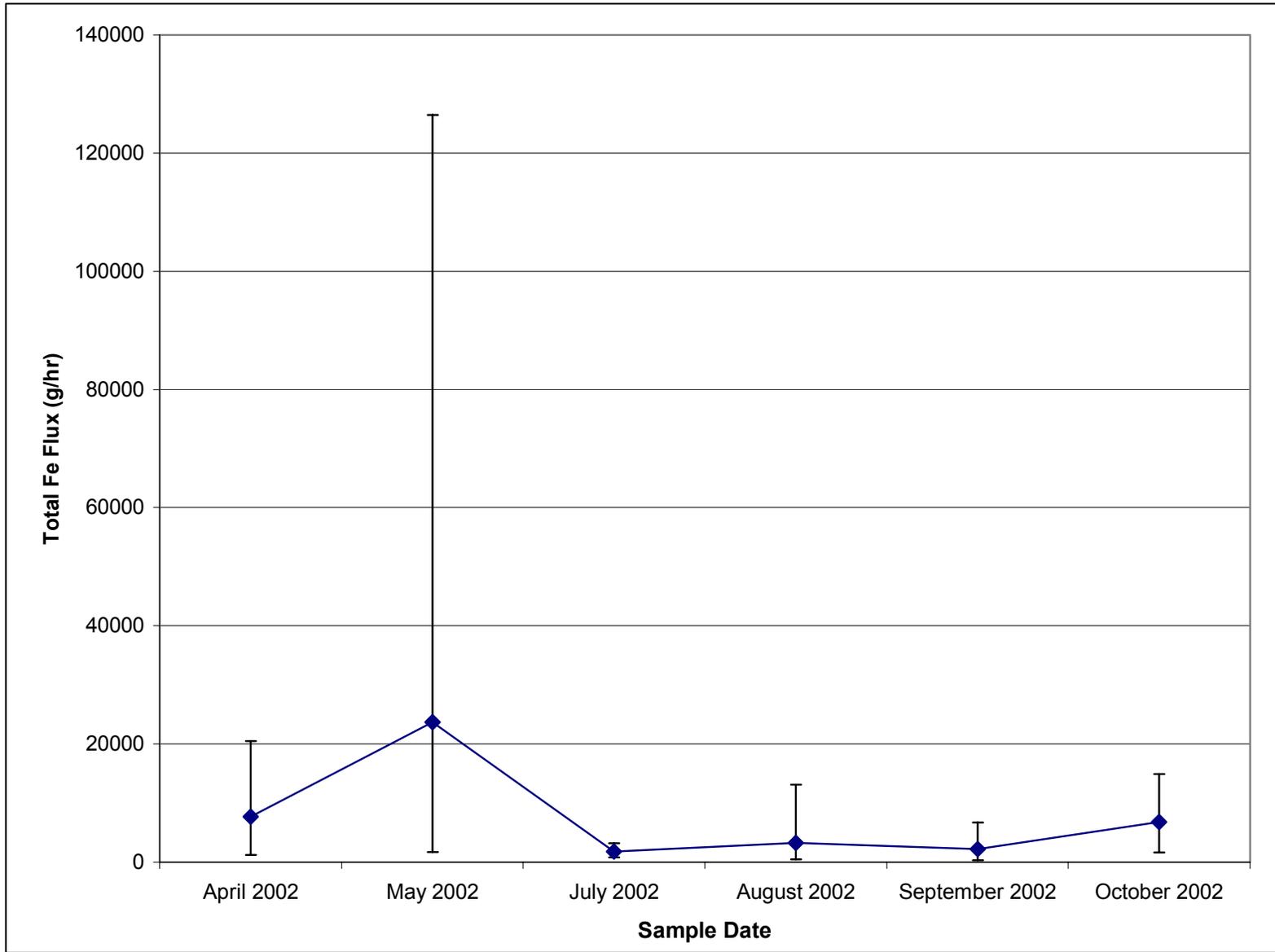


Figure 4-78: Storm Event Overall Average Iron Flux per Sample Date

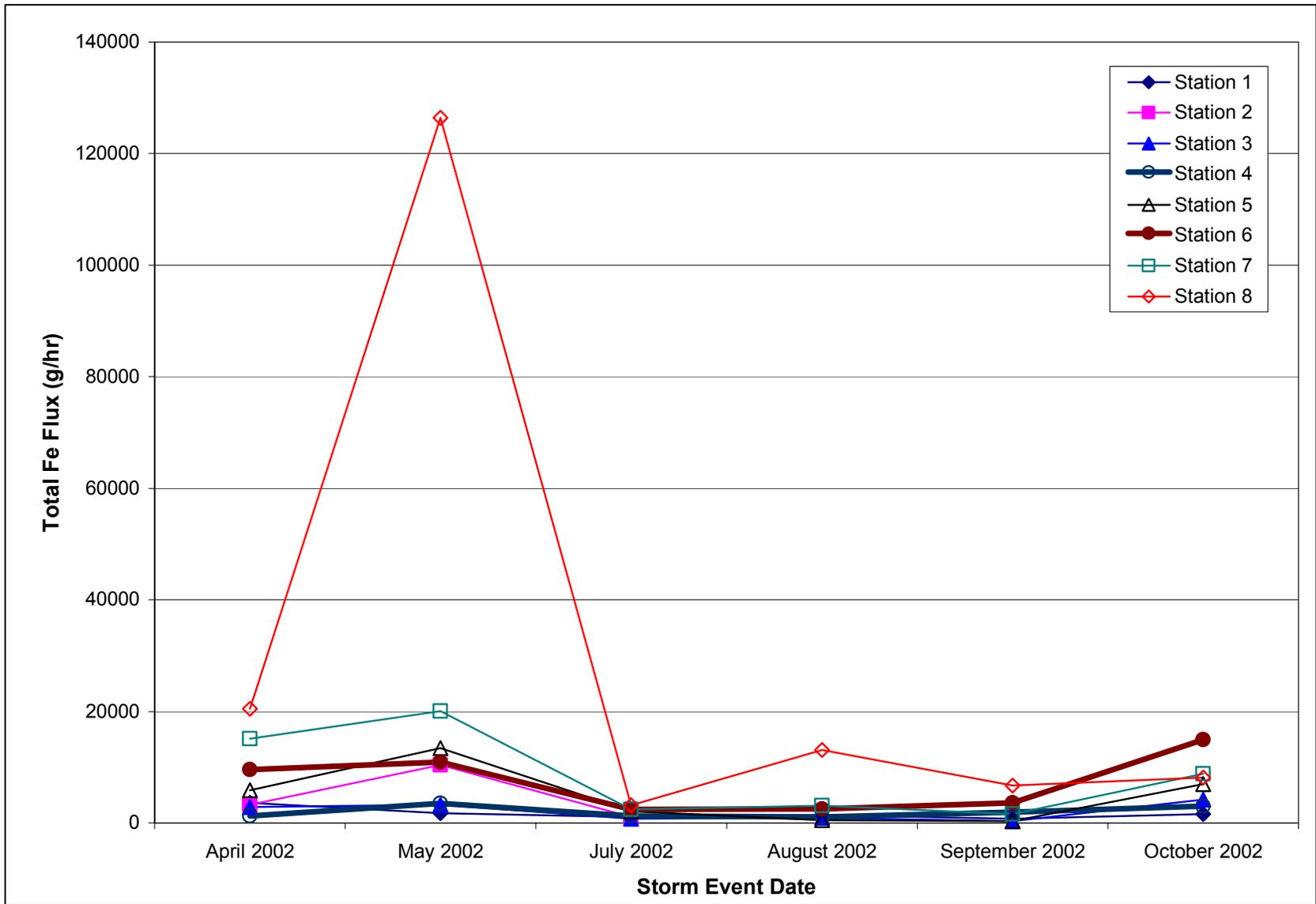


Figure 4-79: Iron Flux for each Storm Event at each Sample Station

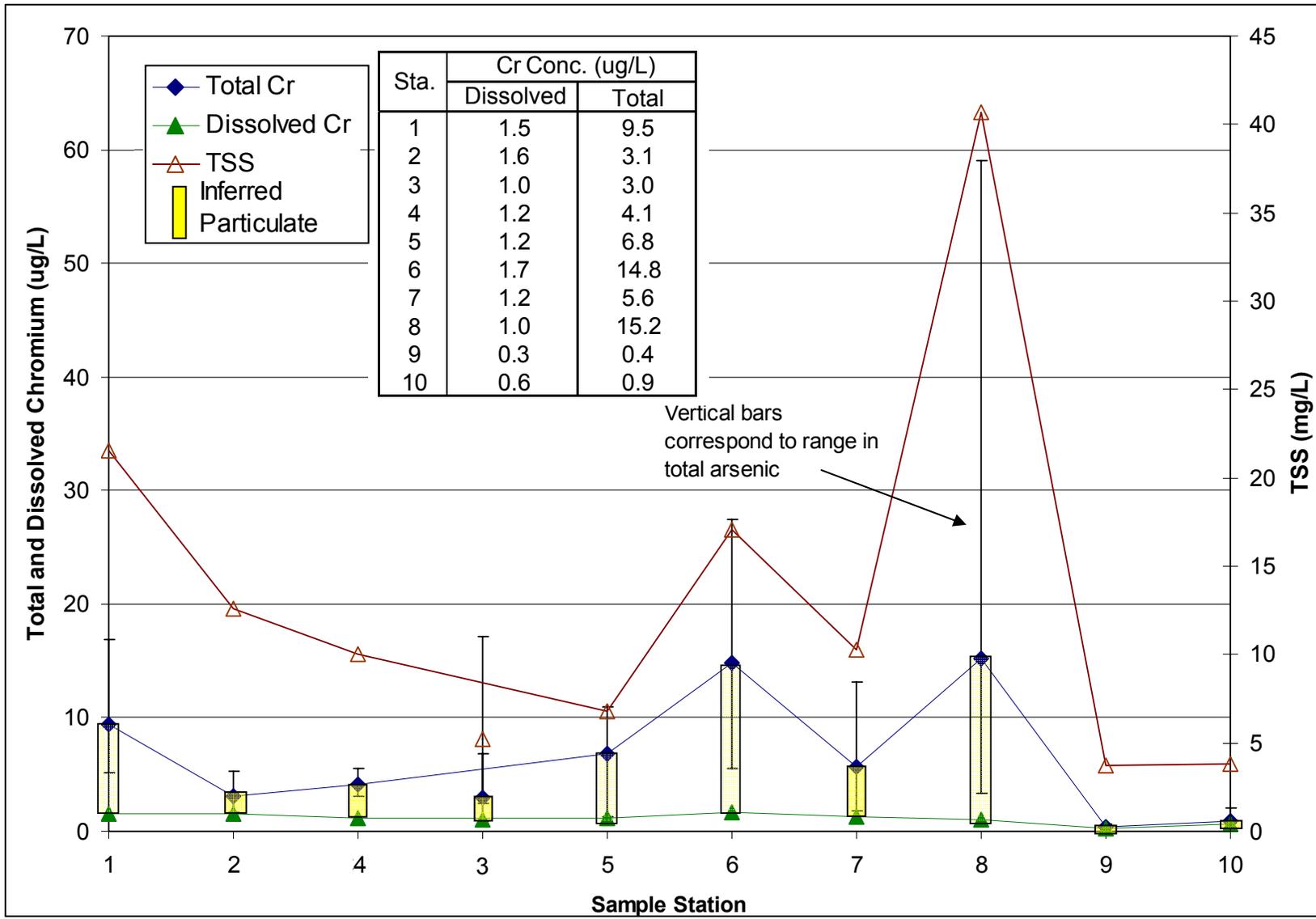


Figure 4-80: Average Total Chromium Concentrations per Sample Station During Storm Events

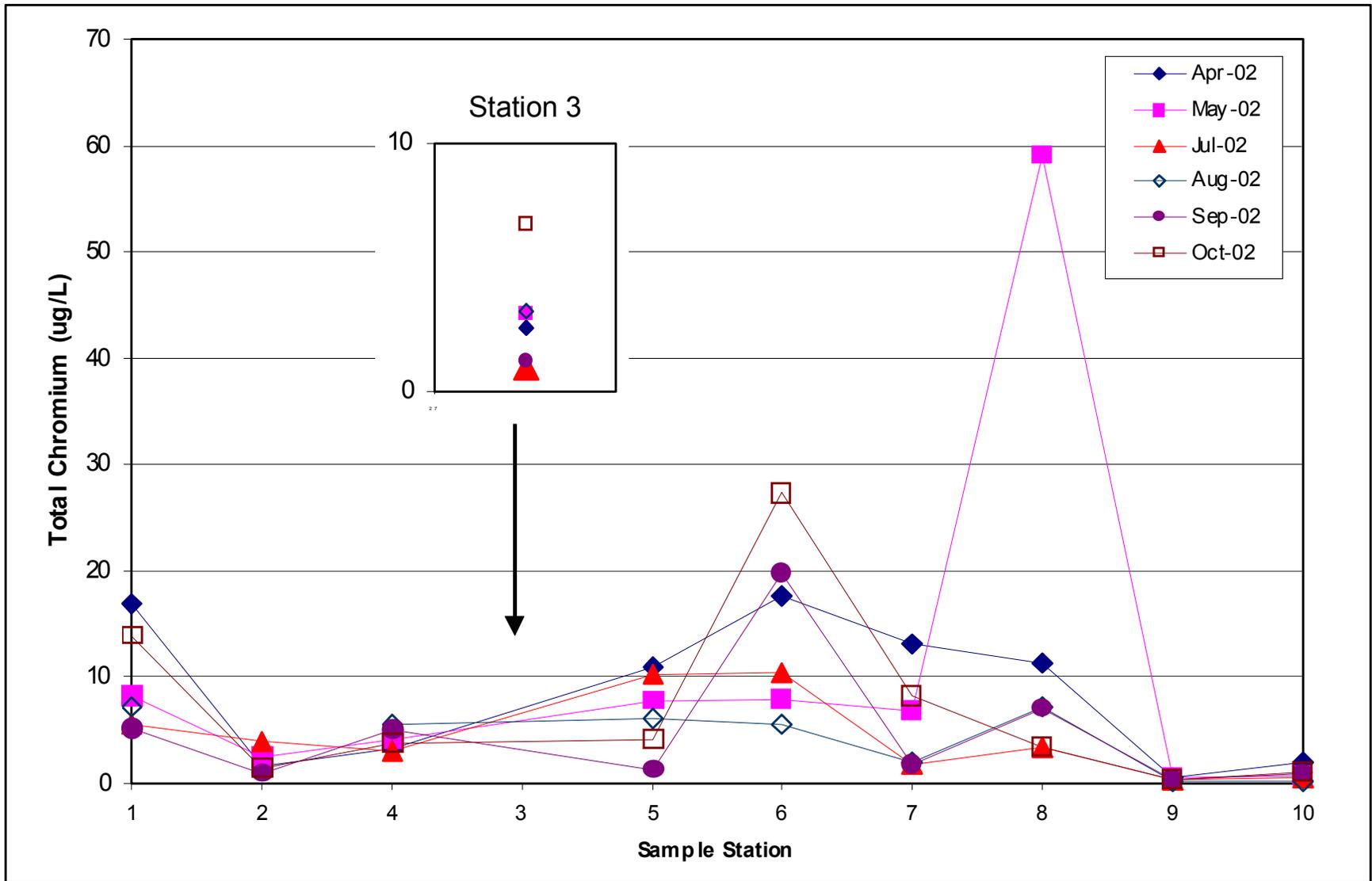


Figure 4-81: Storm-Composite Total Chromium Concentrations per Sample Station

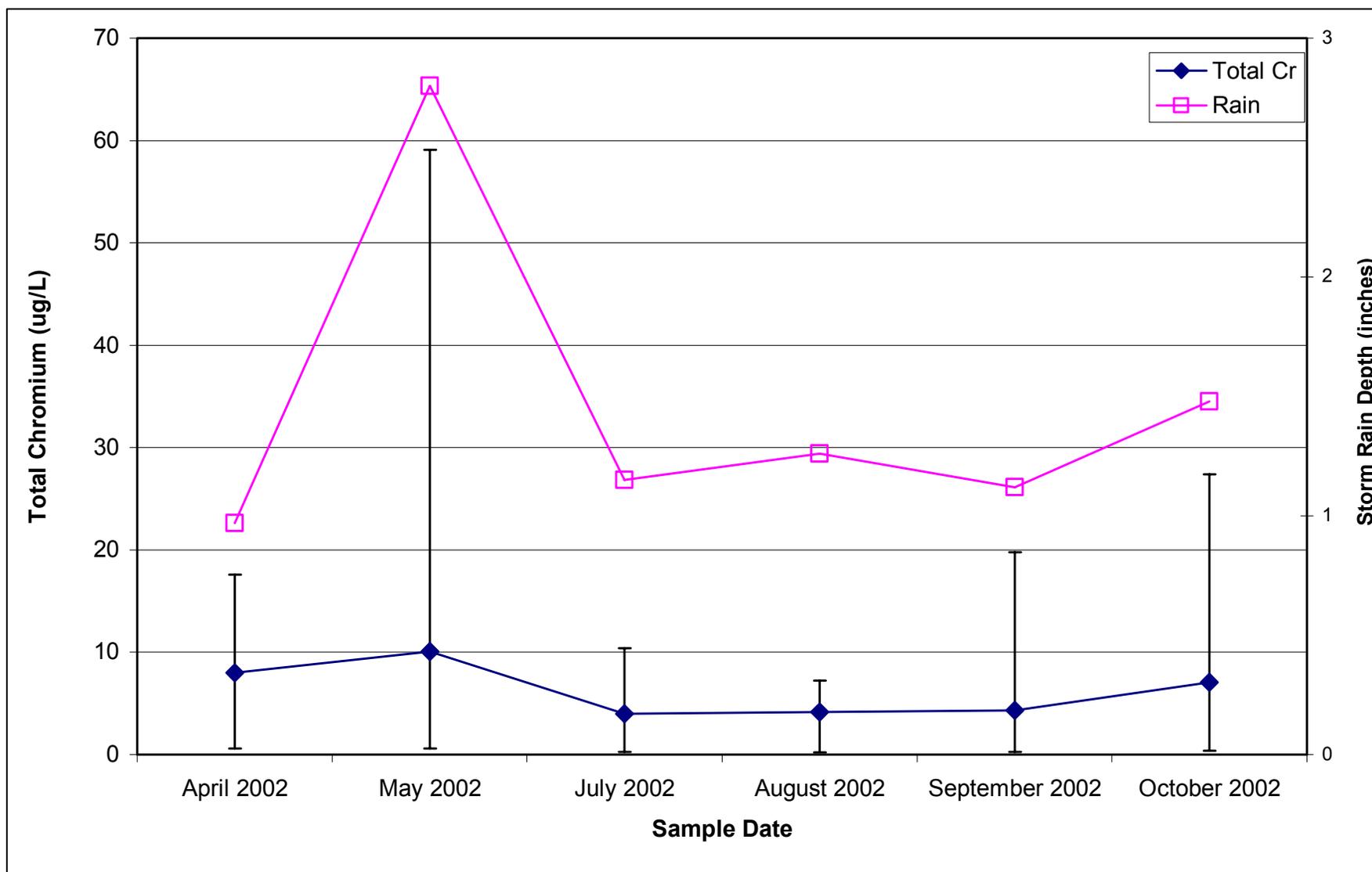


Figure 4-82: Average Total Chromium Concentrations per Sampling Date During Storm Flow Conditions

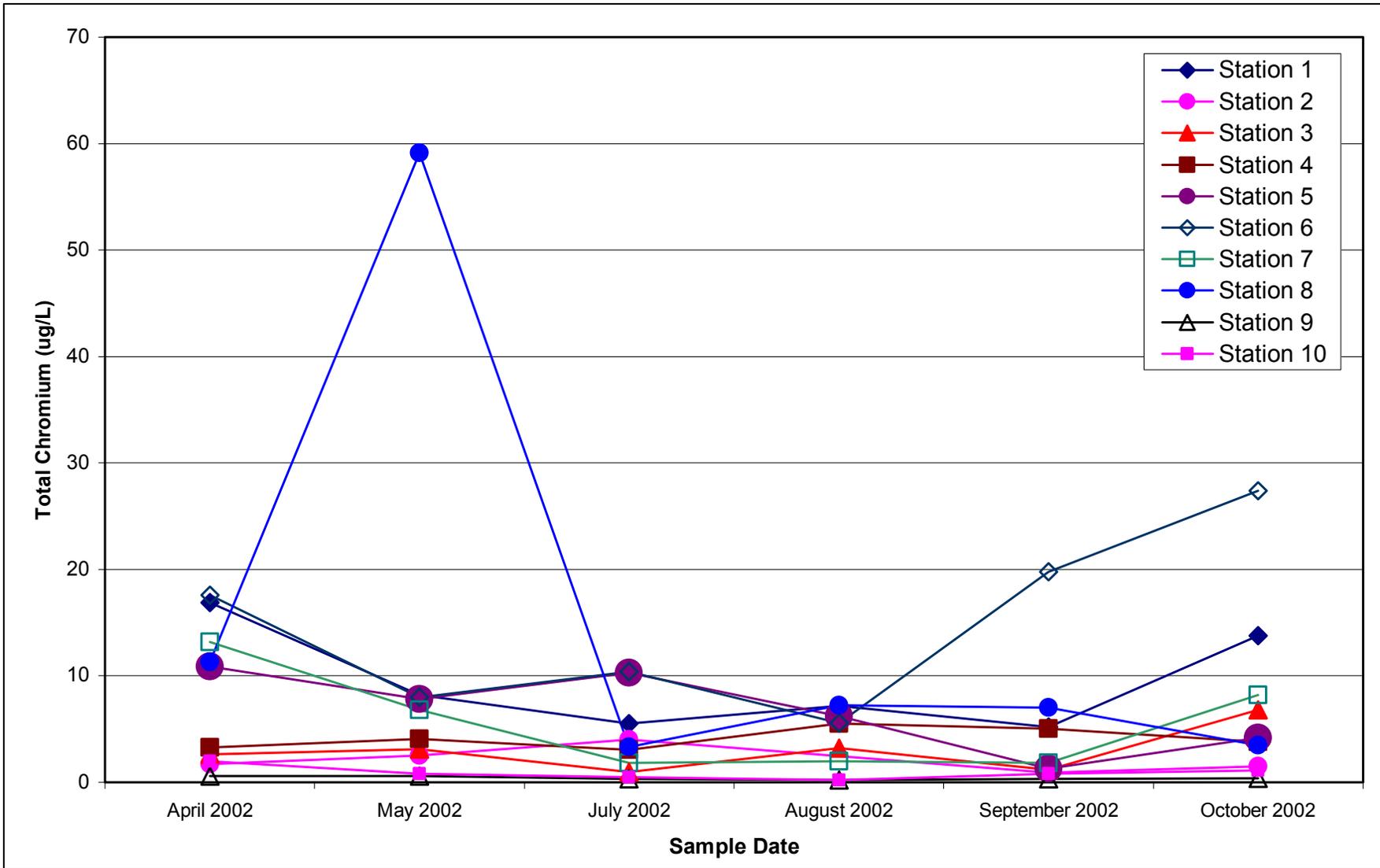


Figure 4-83: Storm-Composite Total Chromium Concentrations per Sampling Date

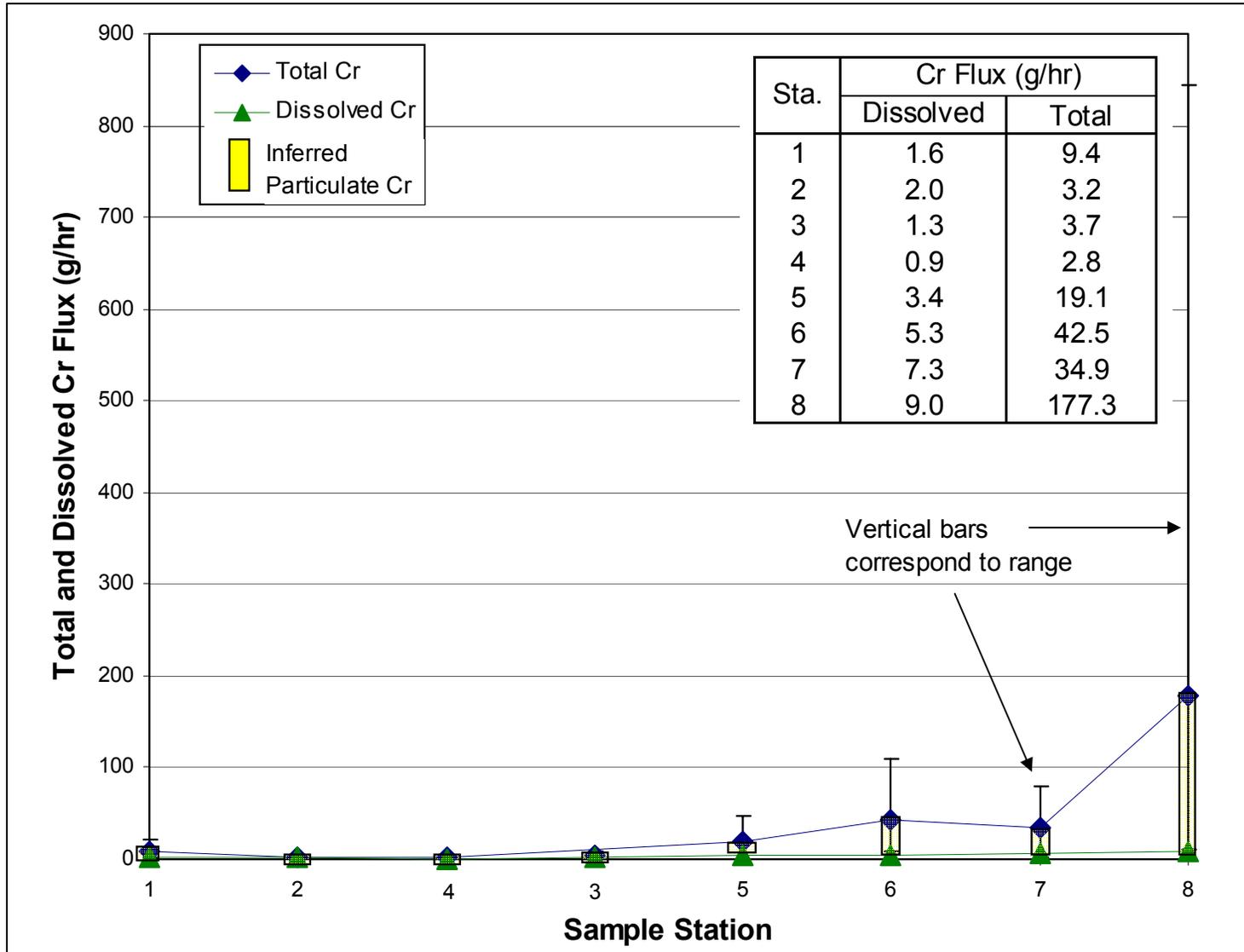


Figure 4-84: Storm Event Overall Average Chromium Flux per Sample Station

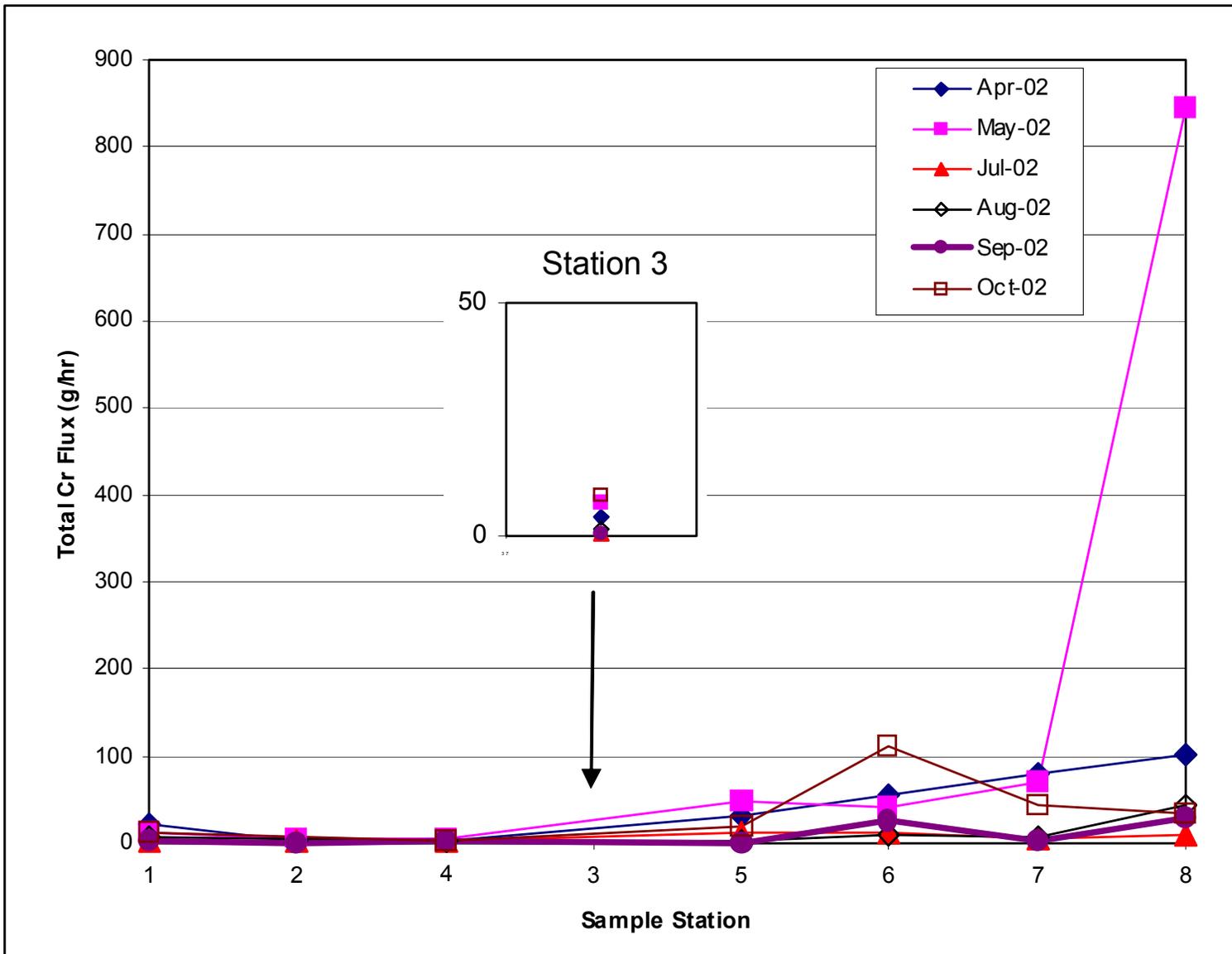


Figure 4-85: Chromium Flux at Each Sample Station for Each Storm Event

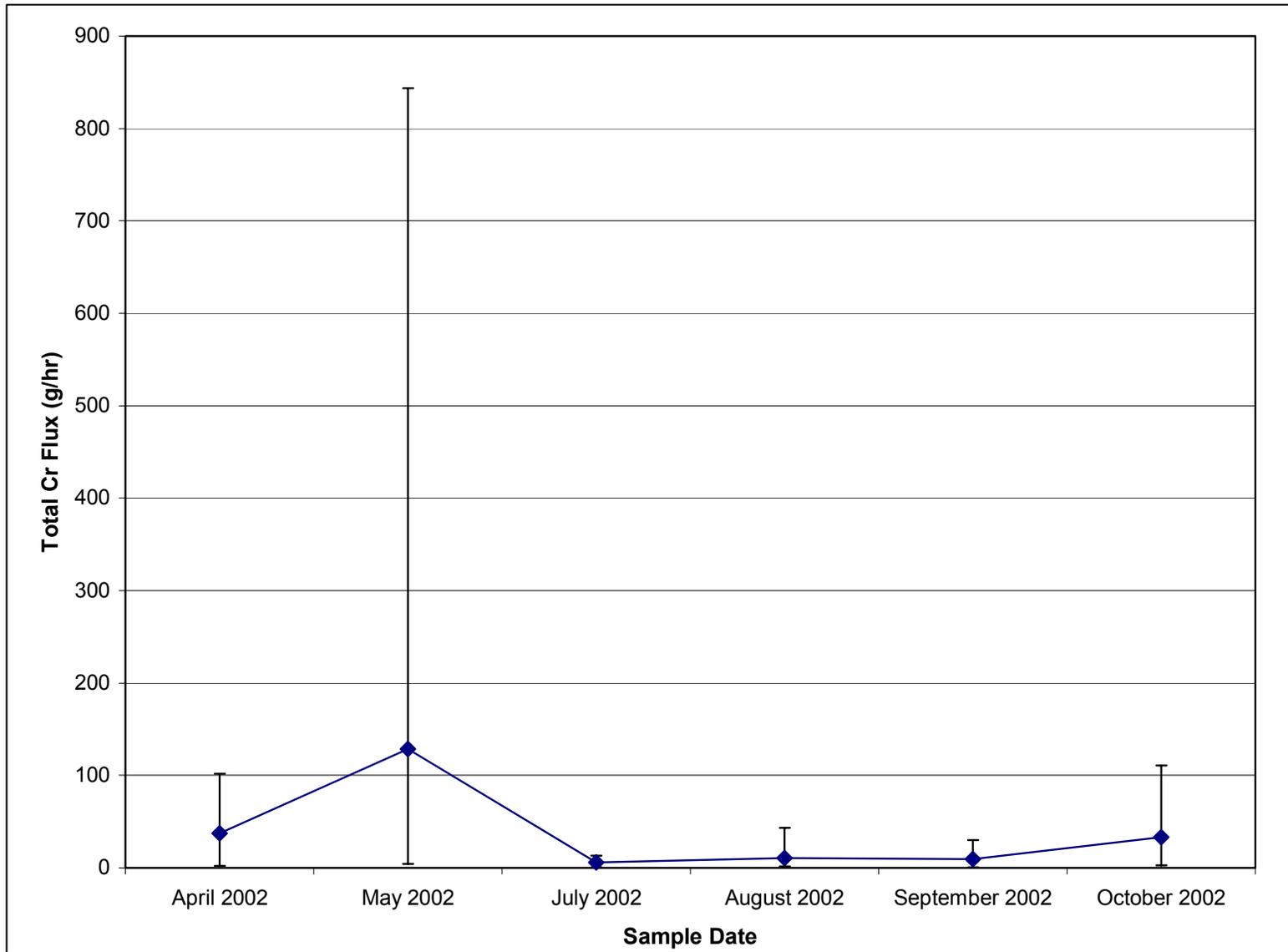


Figure 4-86: Storm Event Overall Average Chromium Flux per Sample Date

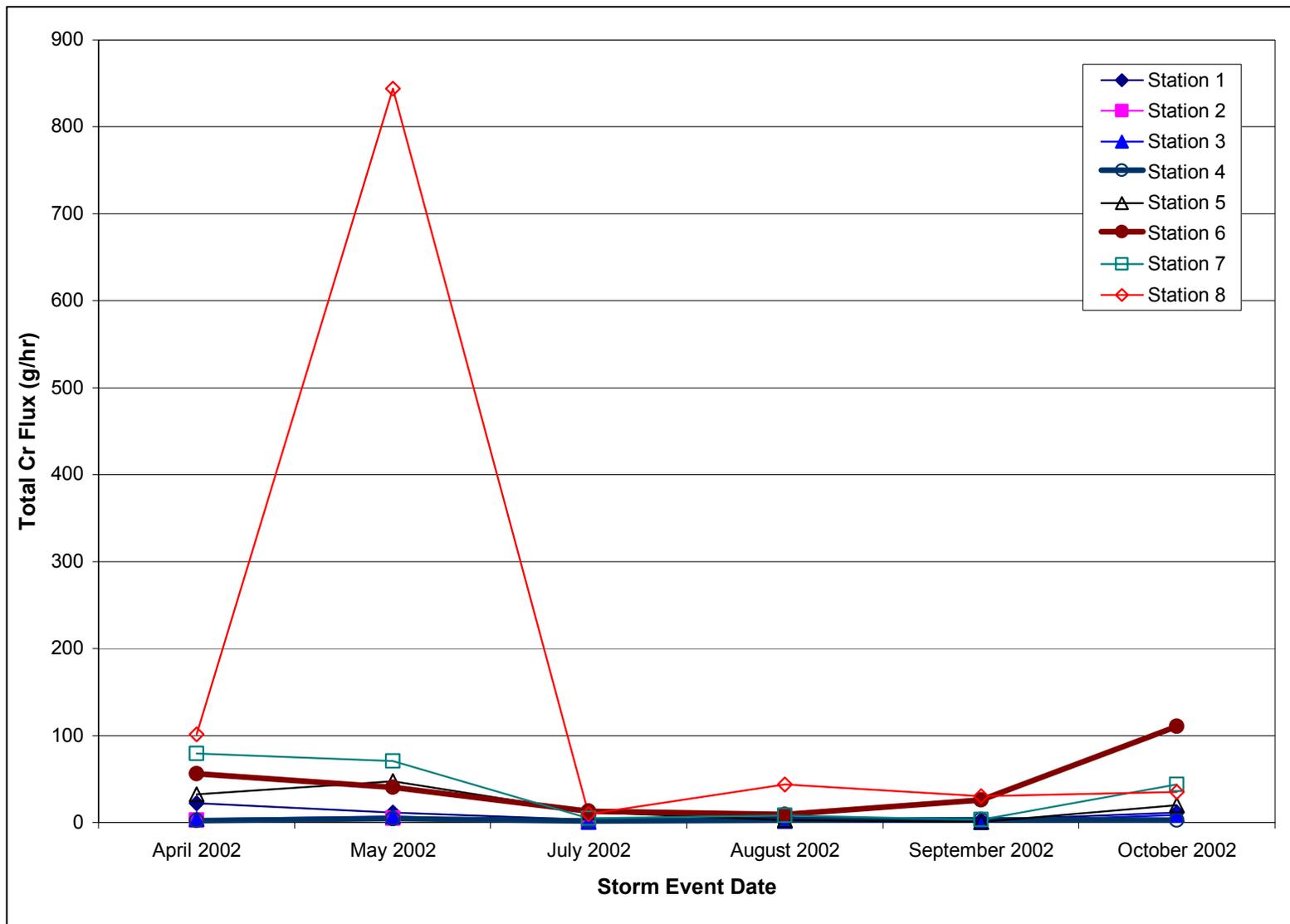


Figure 4-87: Chromium Flux for each Storm Event at each Sample Station

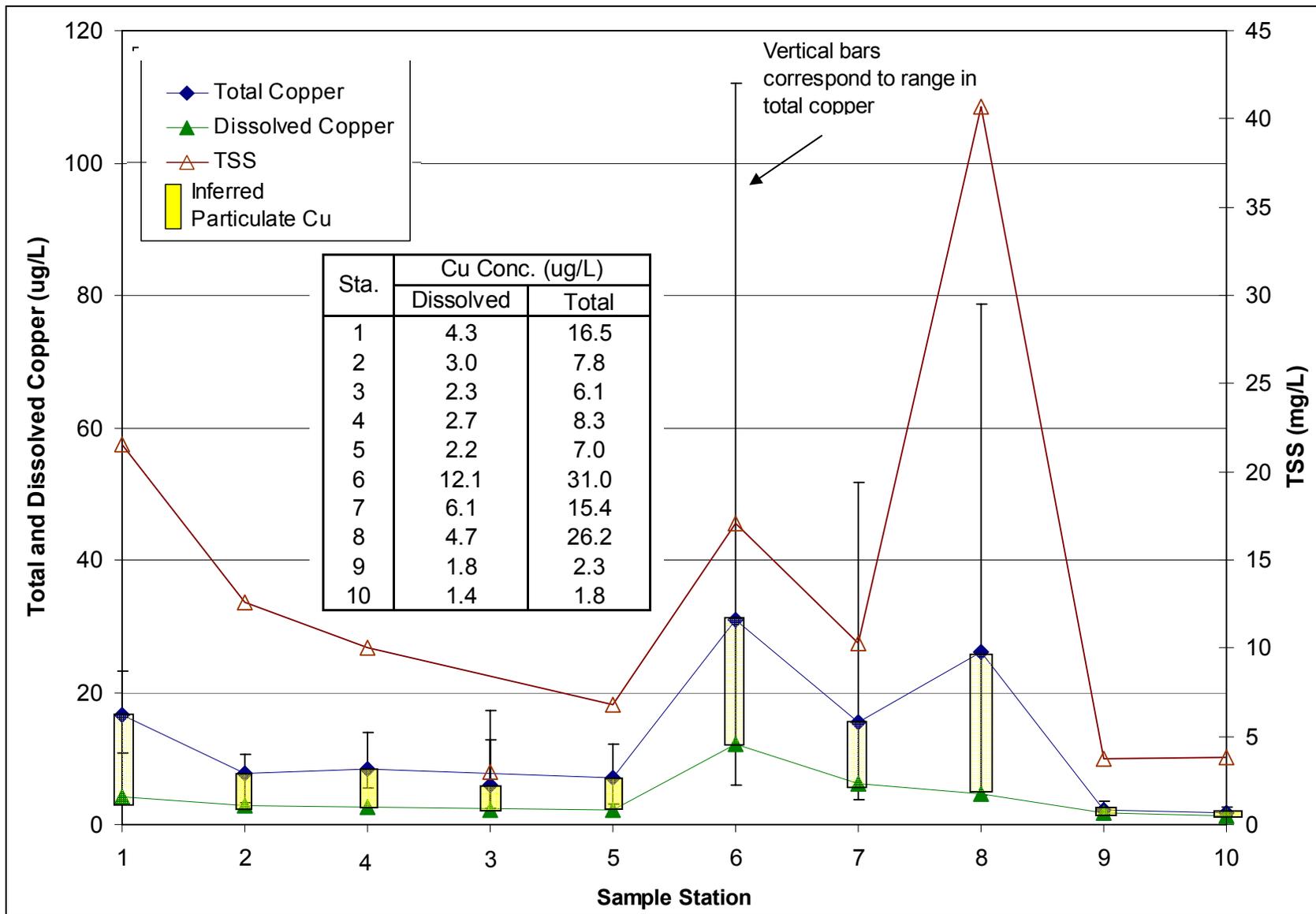


Figure 4-88: Average Total Copper Concentrations per Sample Station During Storm Flow Conditions

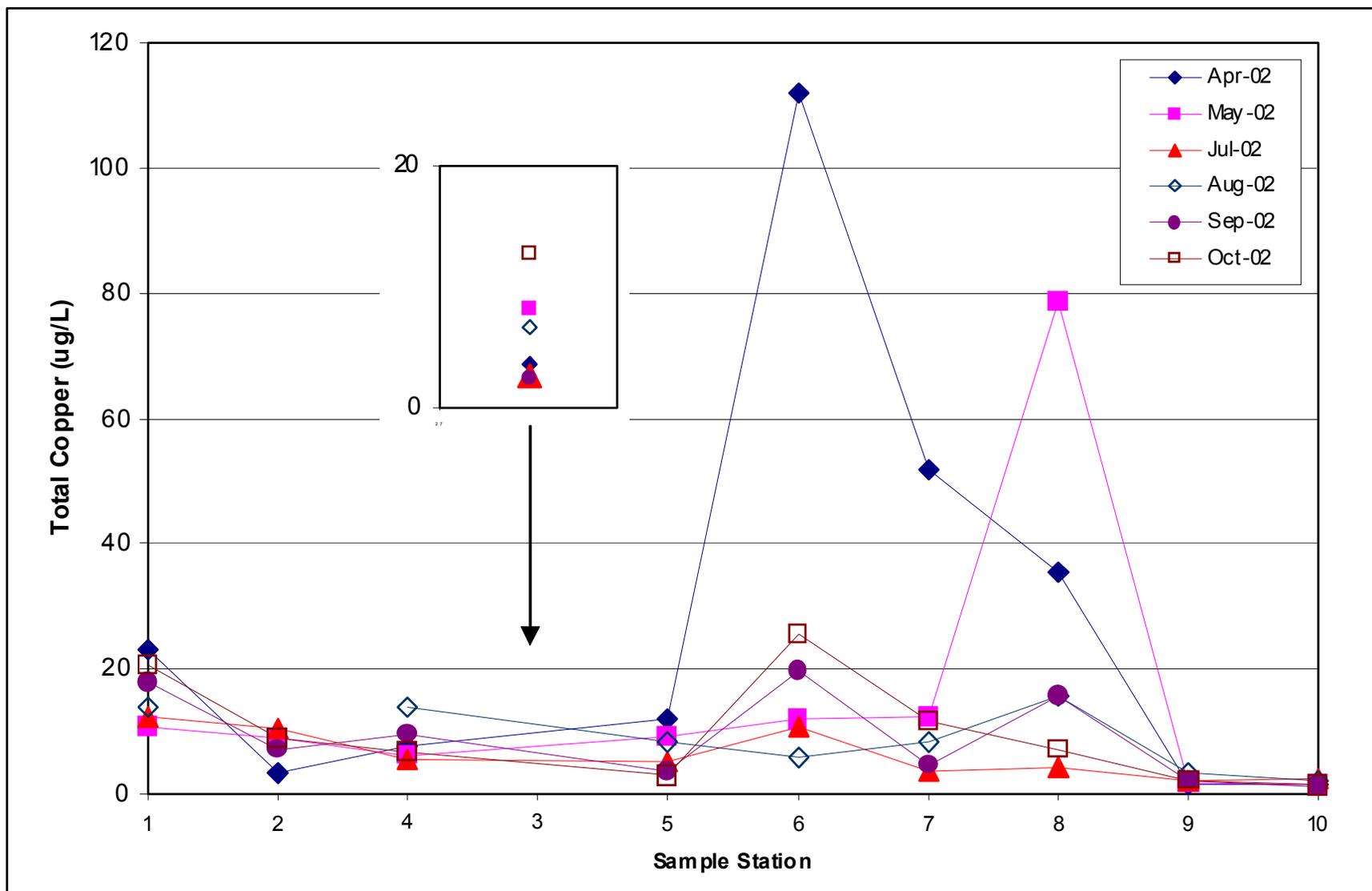


Figure 4-89: Storm-Composite Total Copper Concentrations per Sample Station

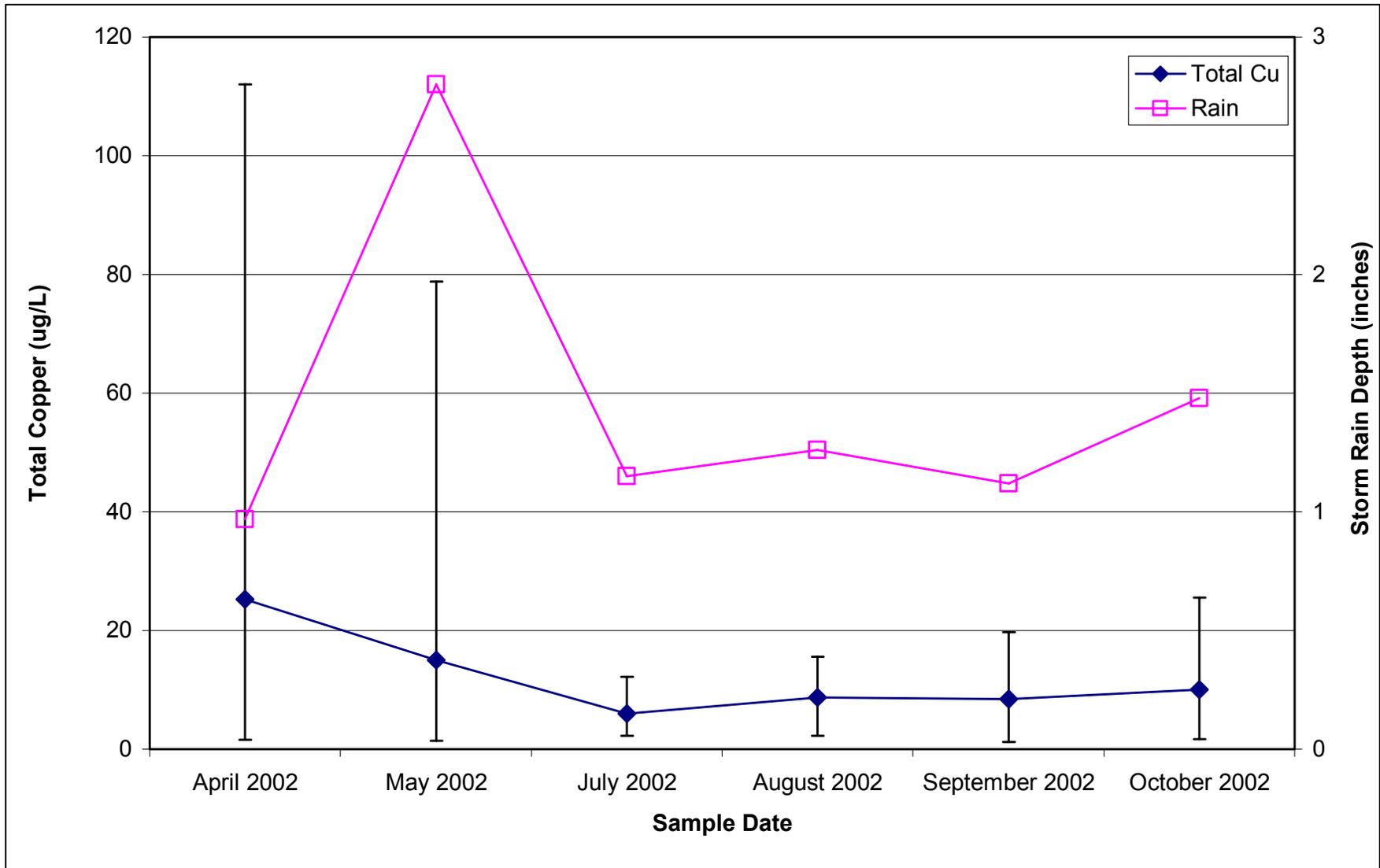


Figure 4-90: Average Total Copper Concentrations per Sampling Date During Storm Flow Conditions

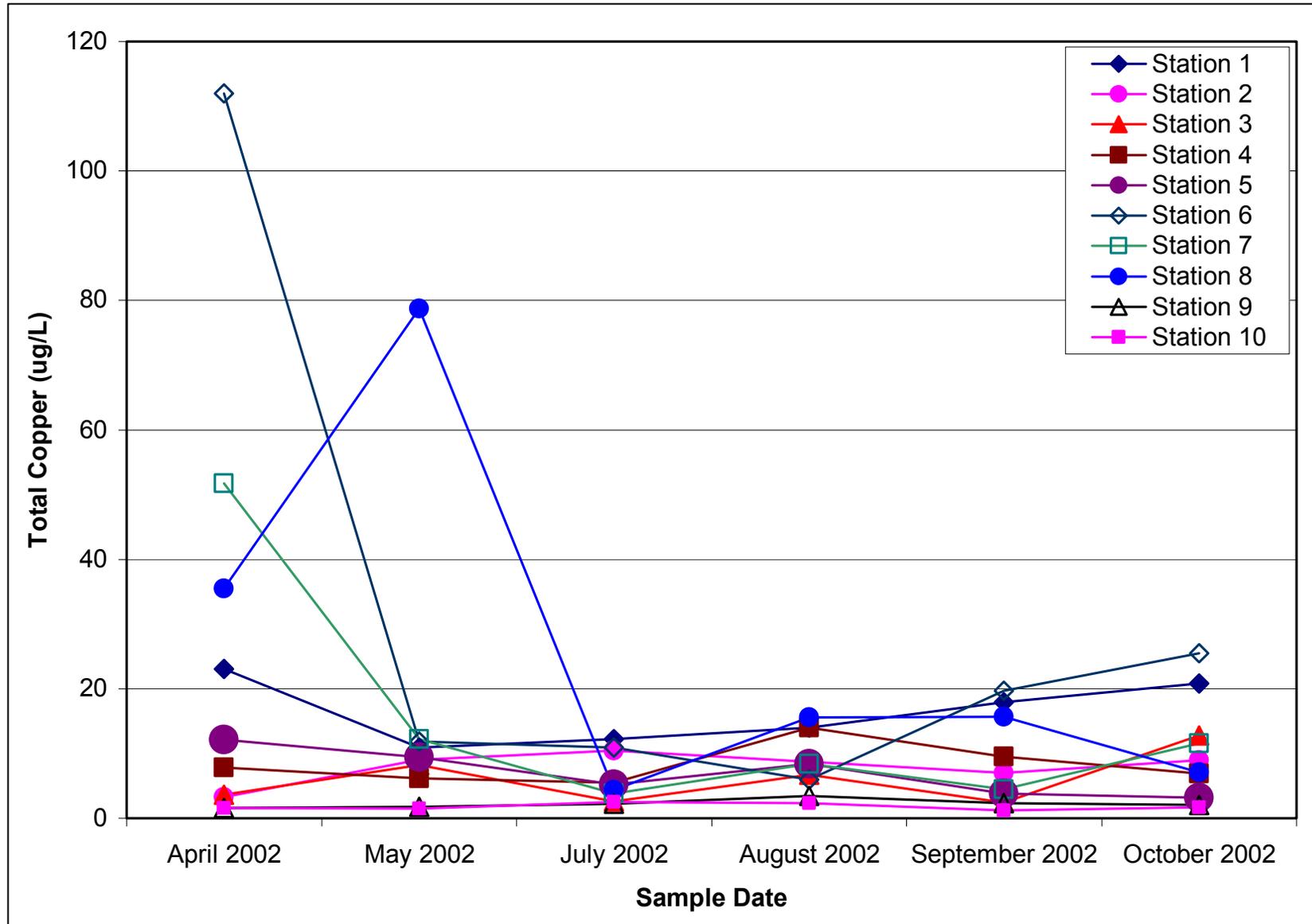


Figure 4-91: Storm-Composite Total Copper Concentrations per Sampling Date

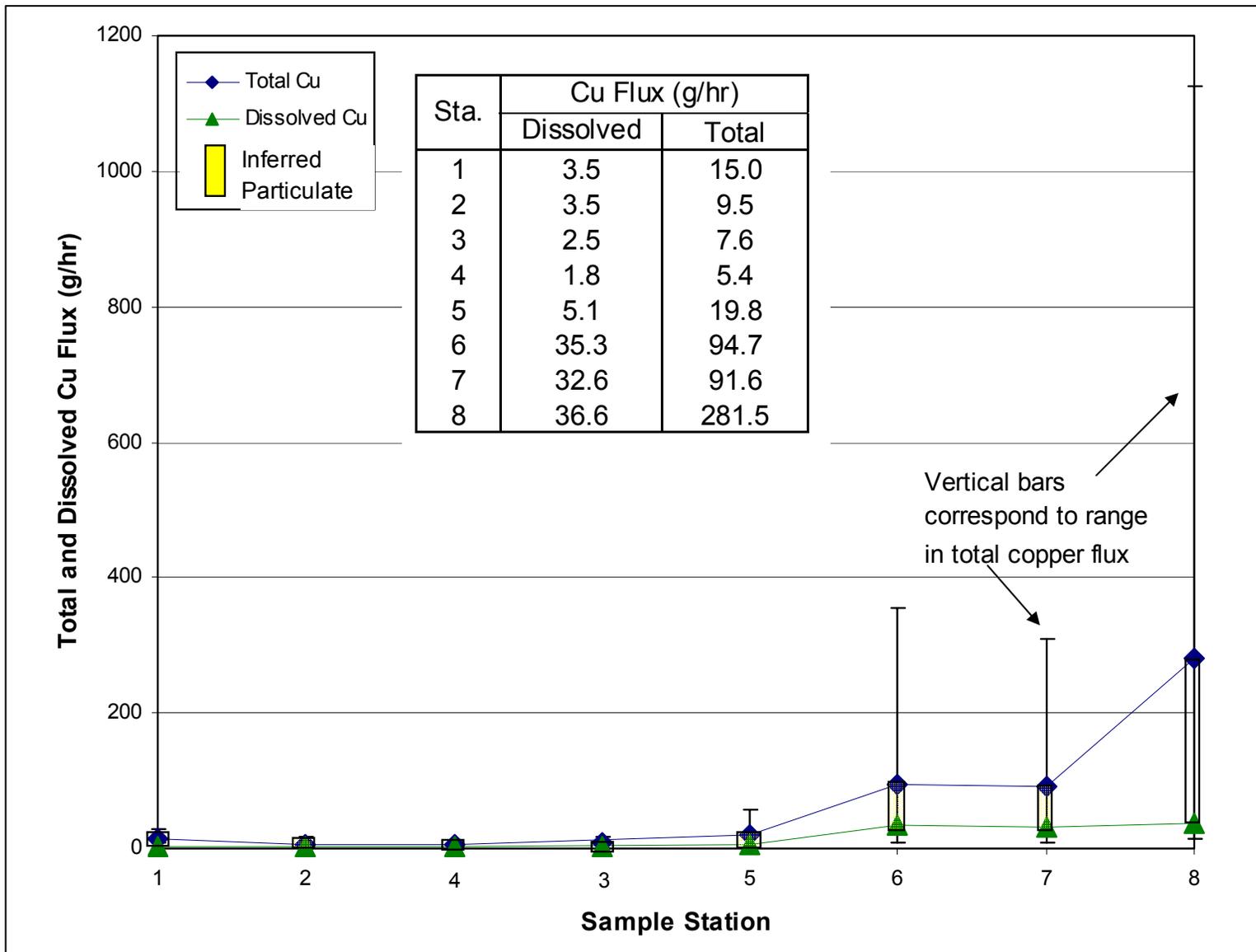


Figure 4-92: Storm Event Overall Average Copper Flux per Sample Station

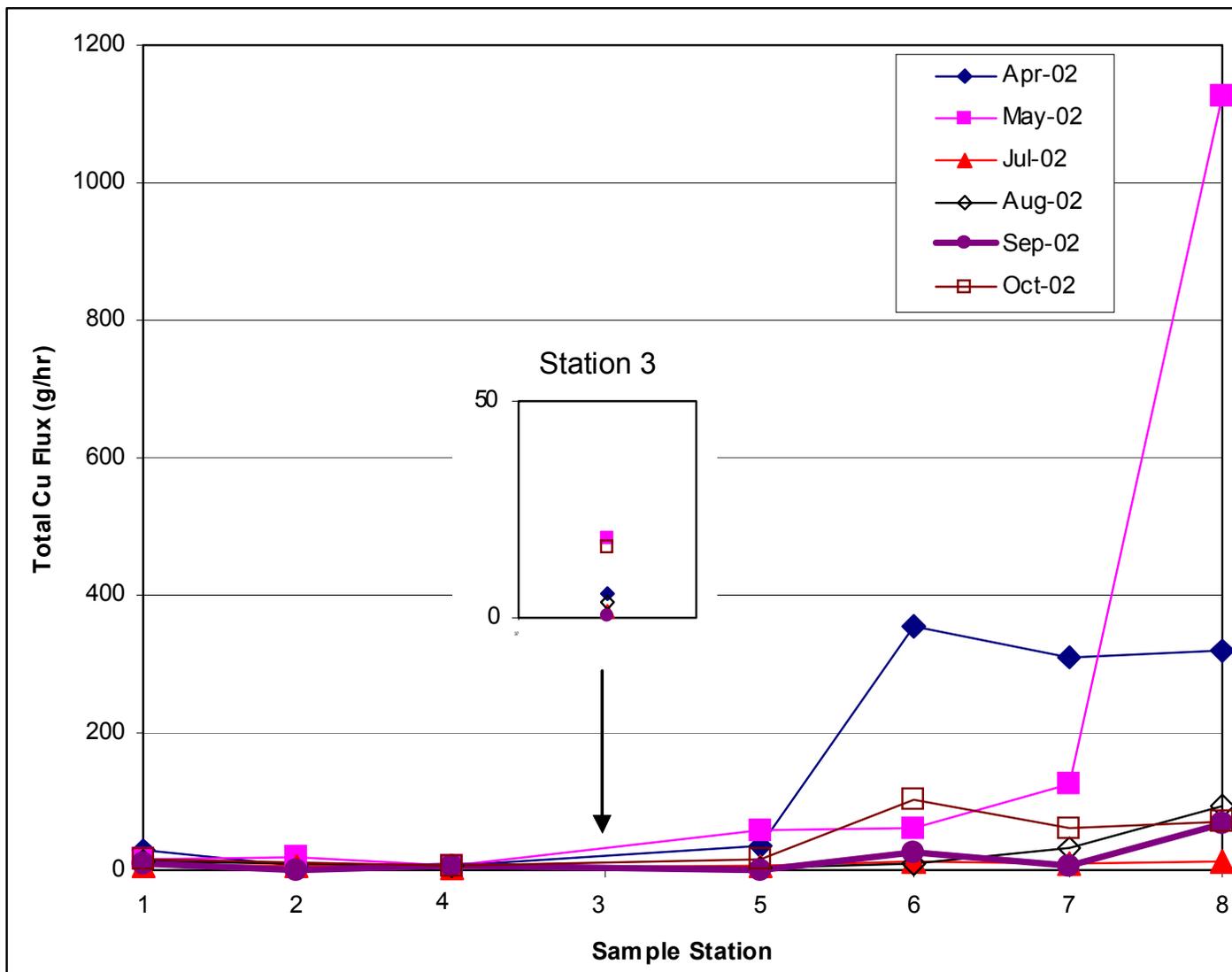


Figure 4-93: Copper Flux at each Sample Station for Each Storm Event

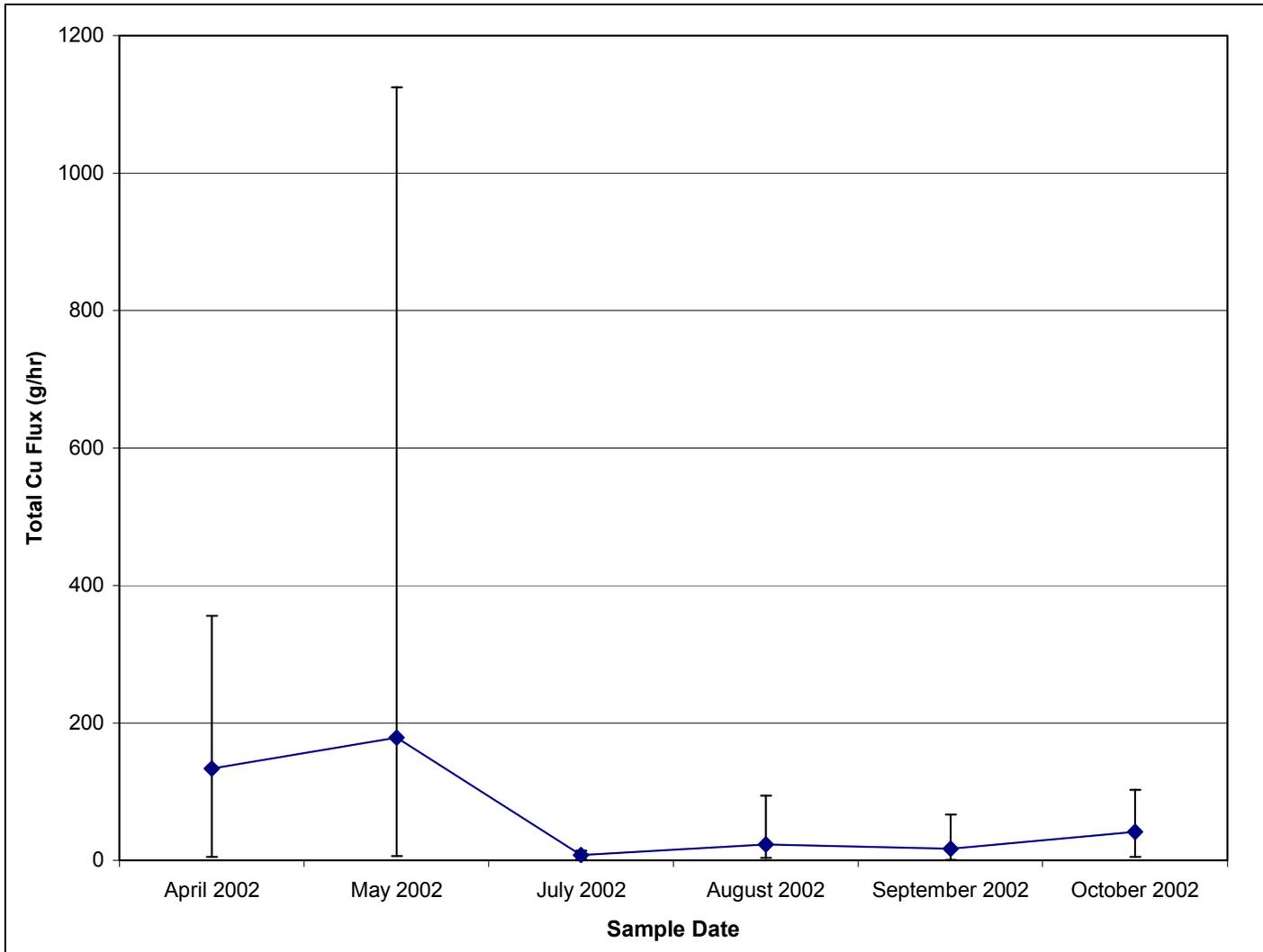


Figure 4-94: Storm Event Overall Average Copper Flux per Sample Date

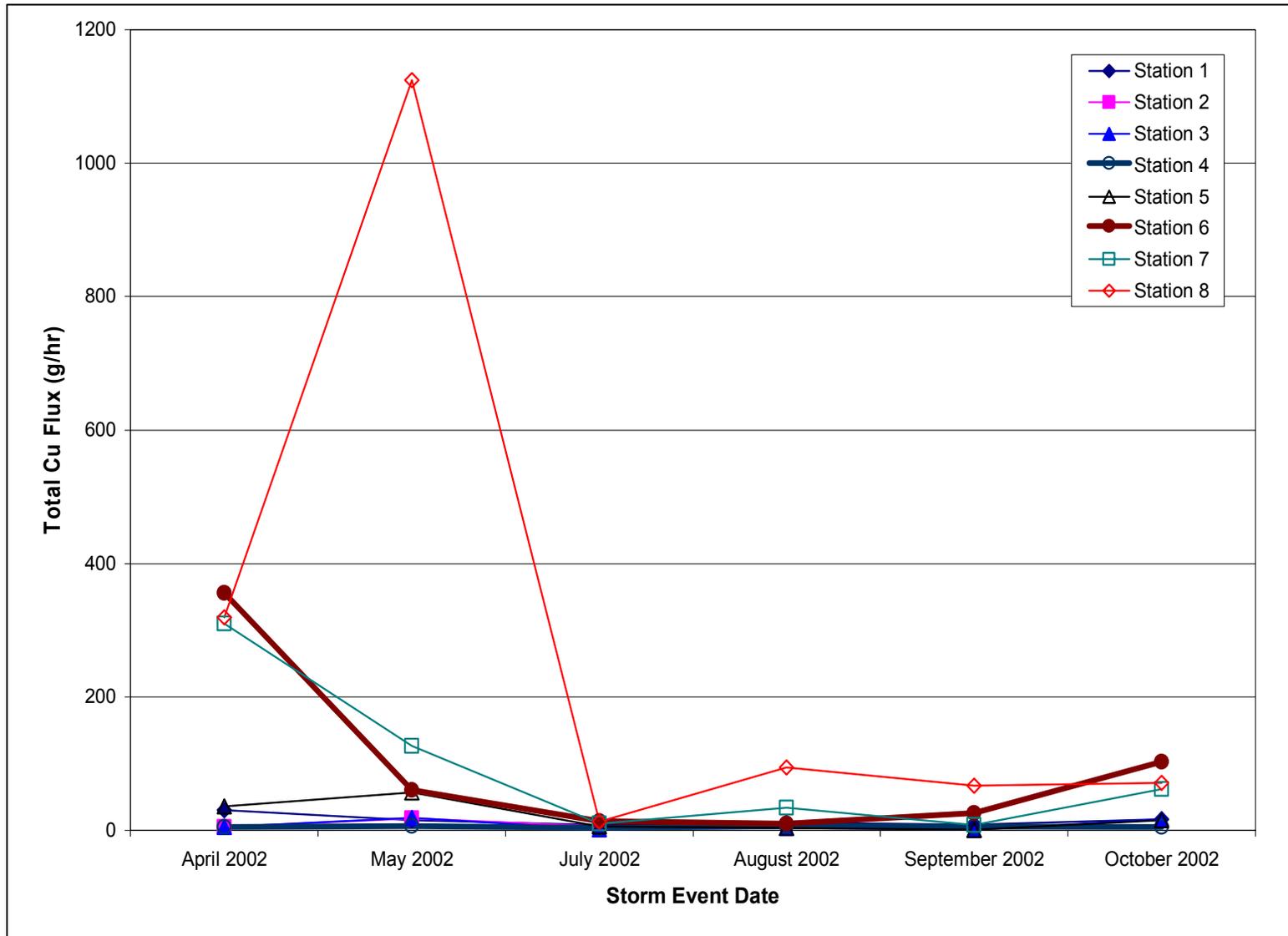


Figure 4-95: Copper Flux for each Storm Event at each Sample Station

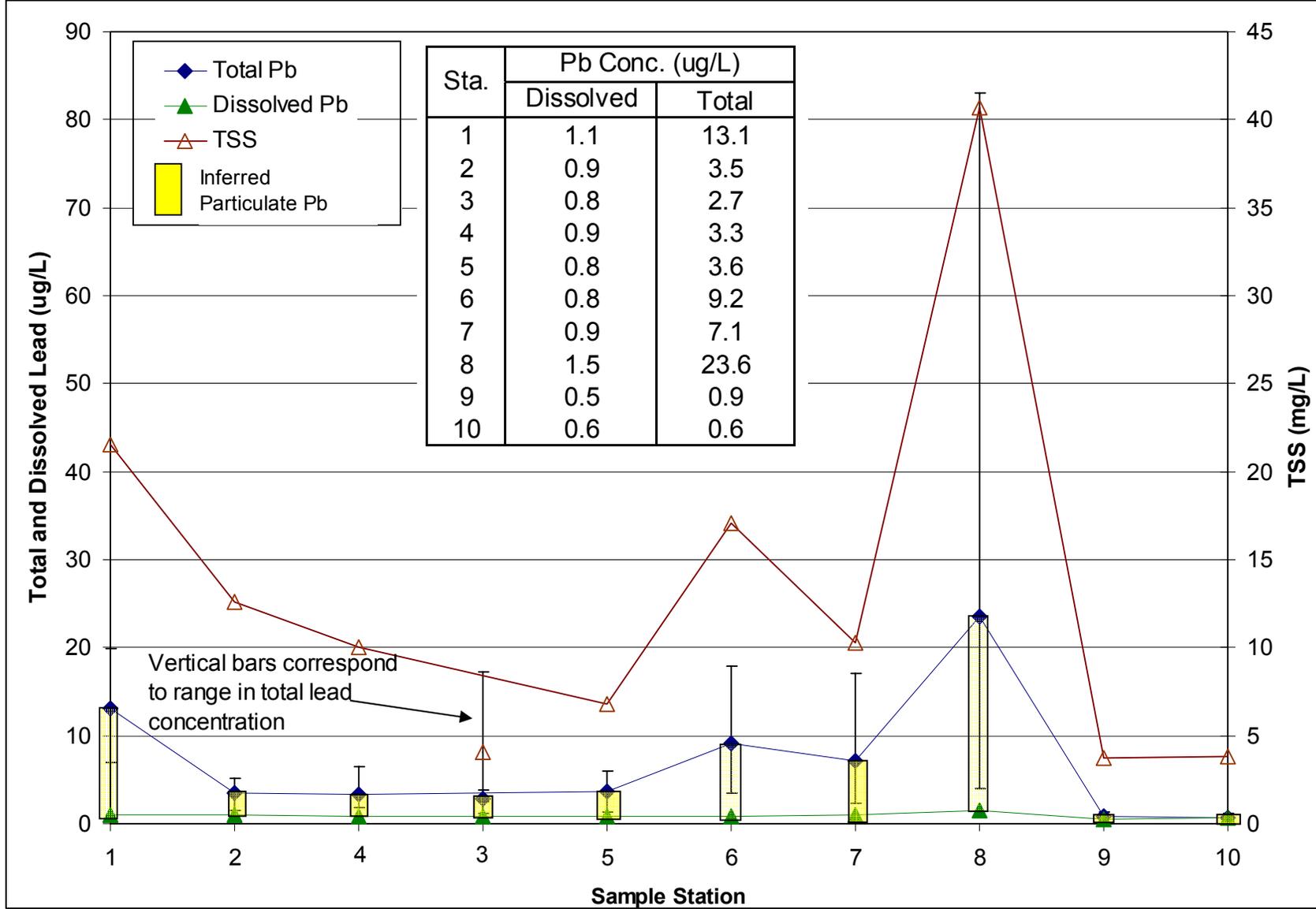


Figure 4-96: Average Total Lead Concentrations per Sample Station During Storm Flow Conditions

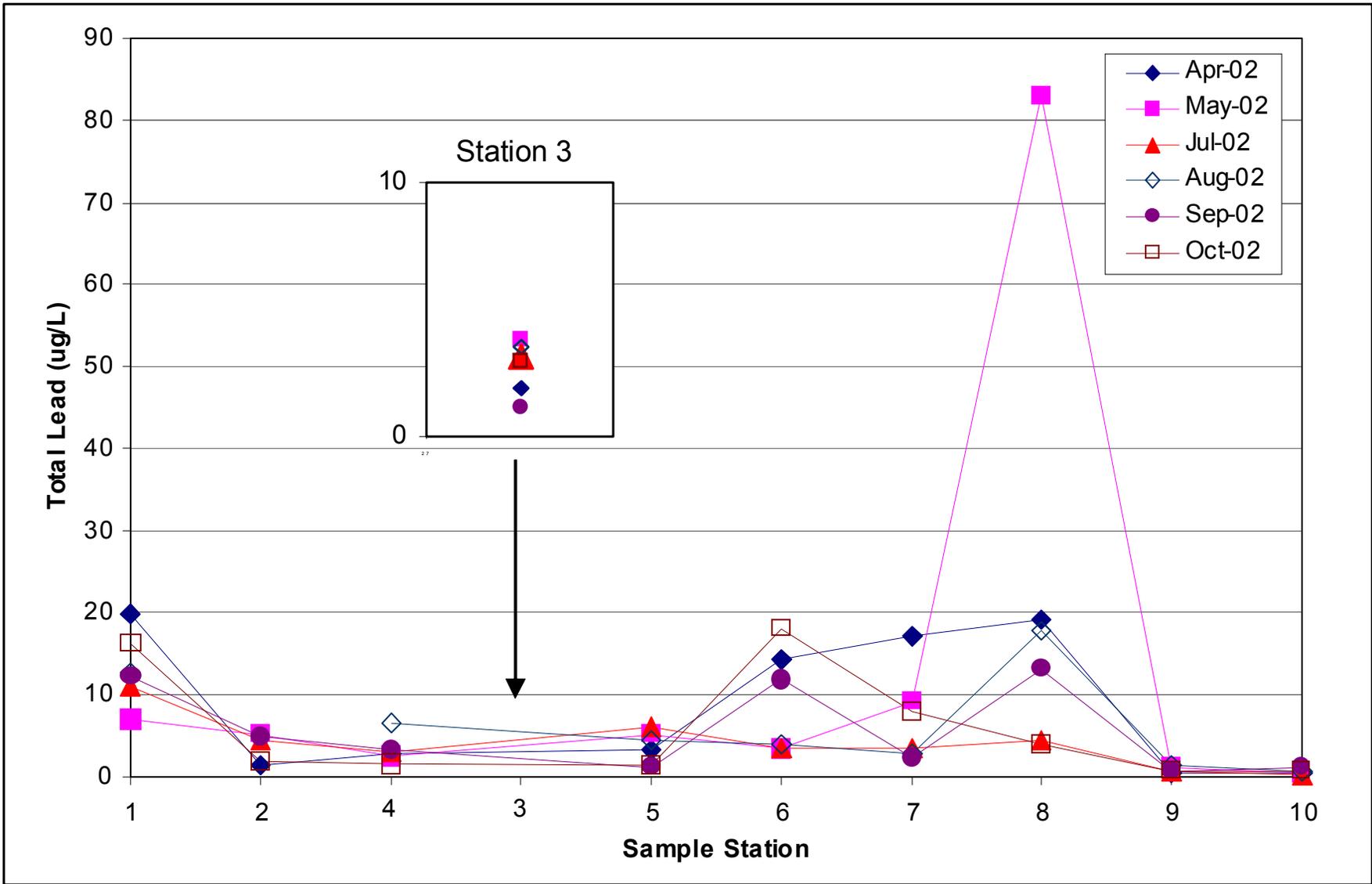


Figure 4-97: Storm-Composite Total Lead Concentrations per Sample Station

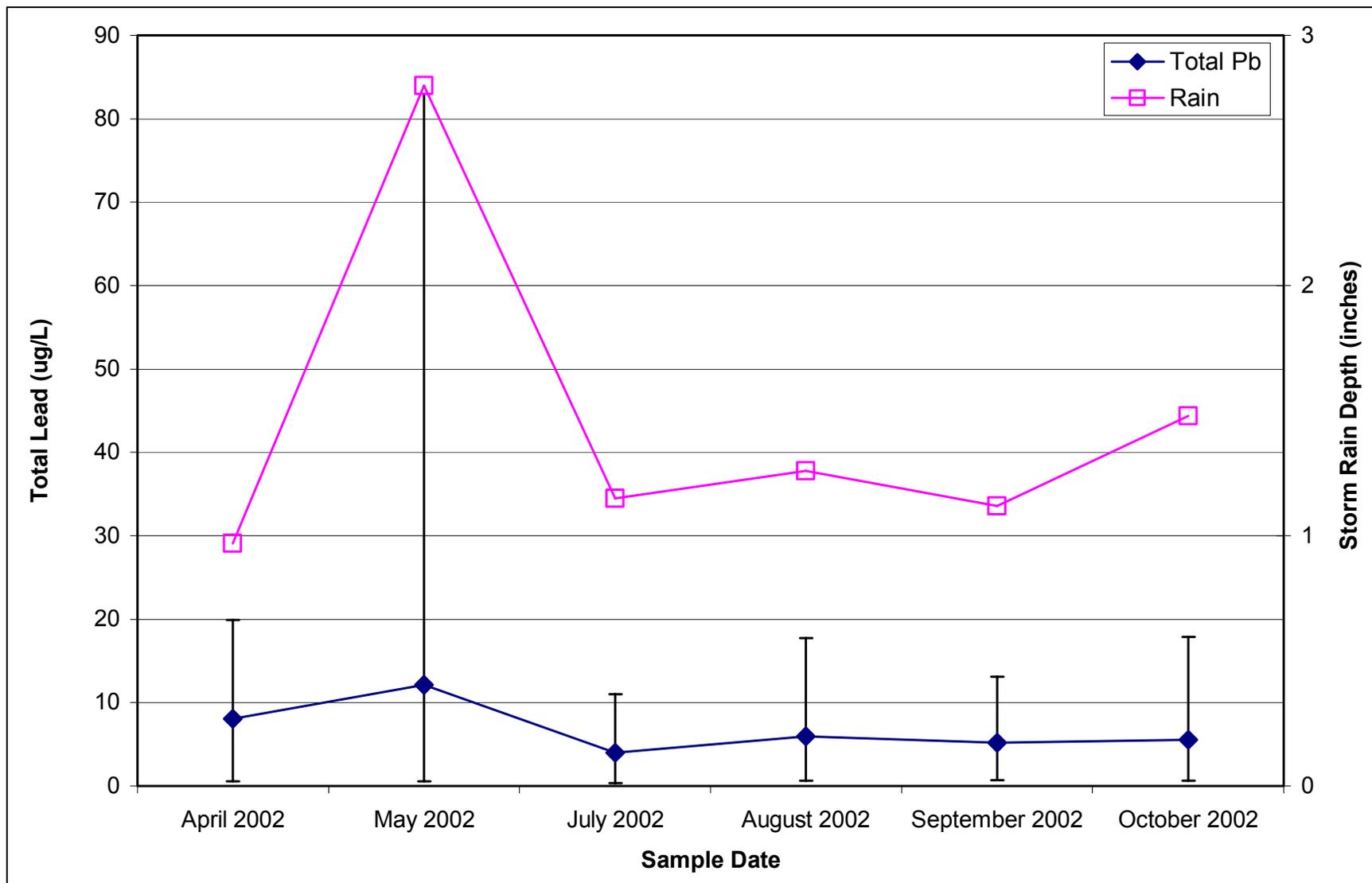


Figure 4-98: Average Total Lead Concentrations per Sampling Date During Storm Flow Conditions

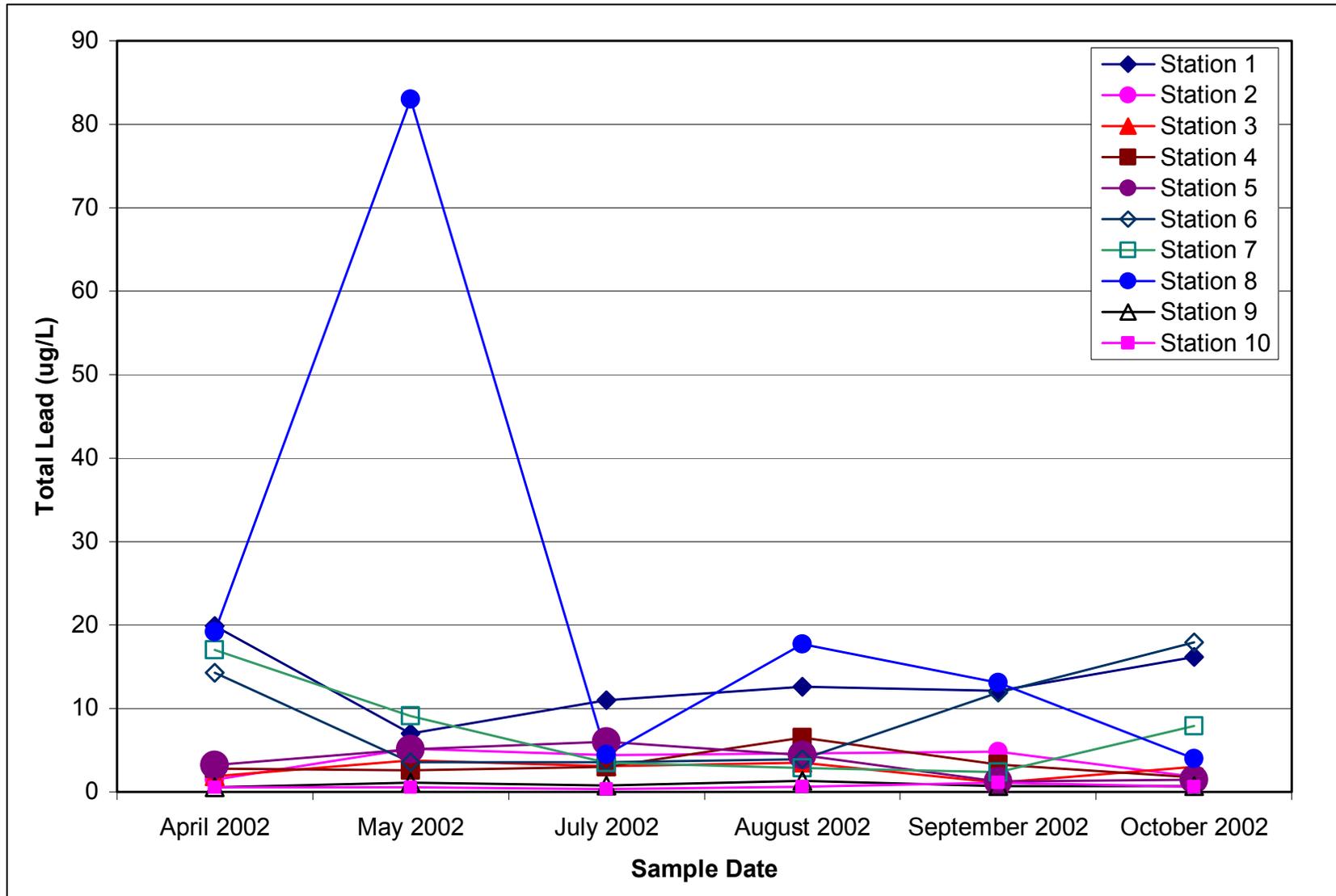
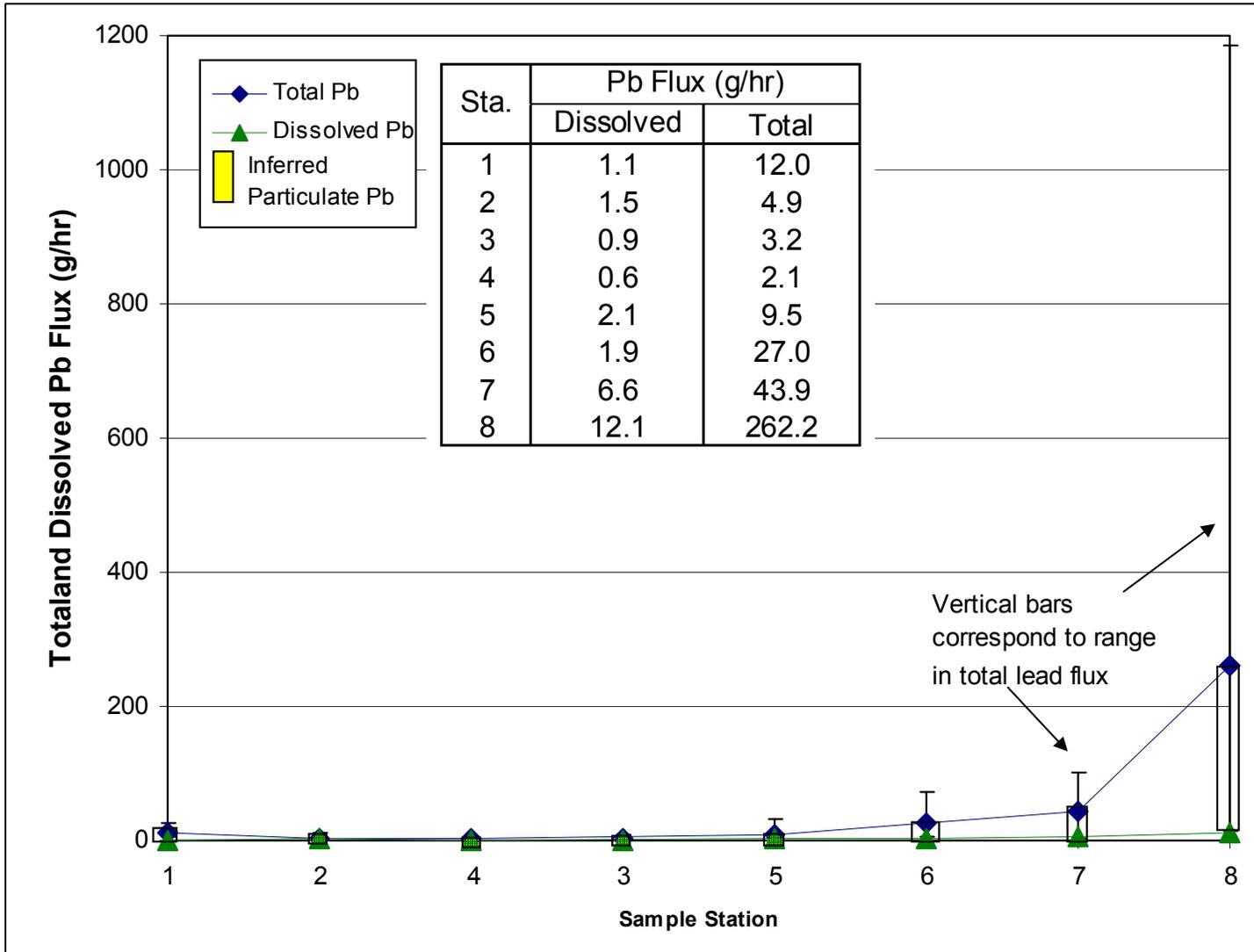


Figure 4-99: Storm-Composite Total Lead Concentrations per Sampling Date



F figure 4-100: Storm Event Overall Average Lead Flux per Sample Station

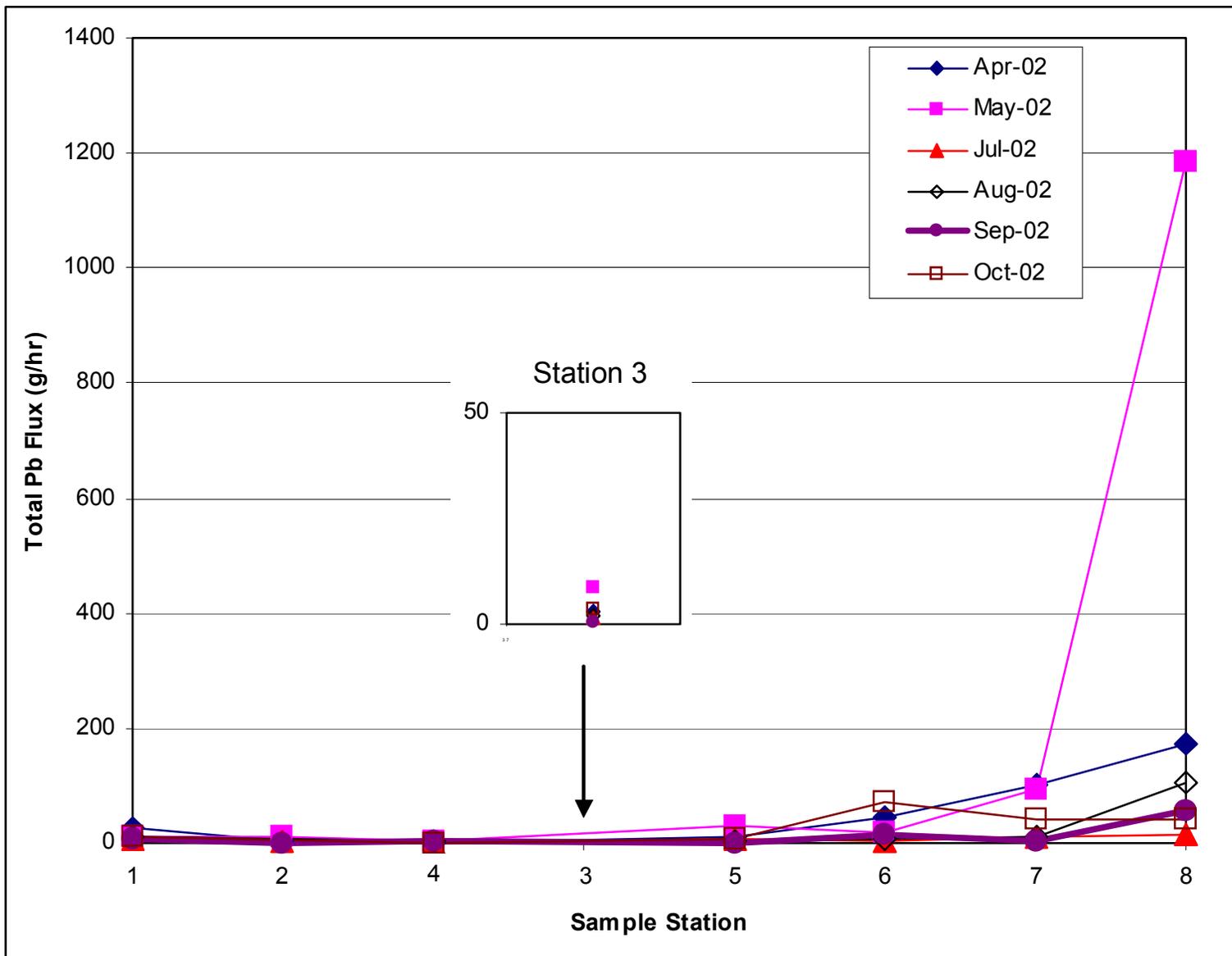


Figure 4-101: Lead Flux at each Sample Station for each Storm Event

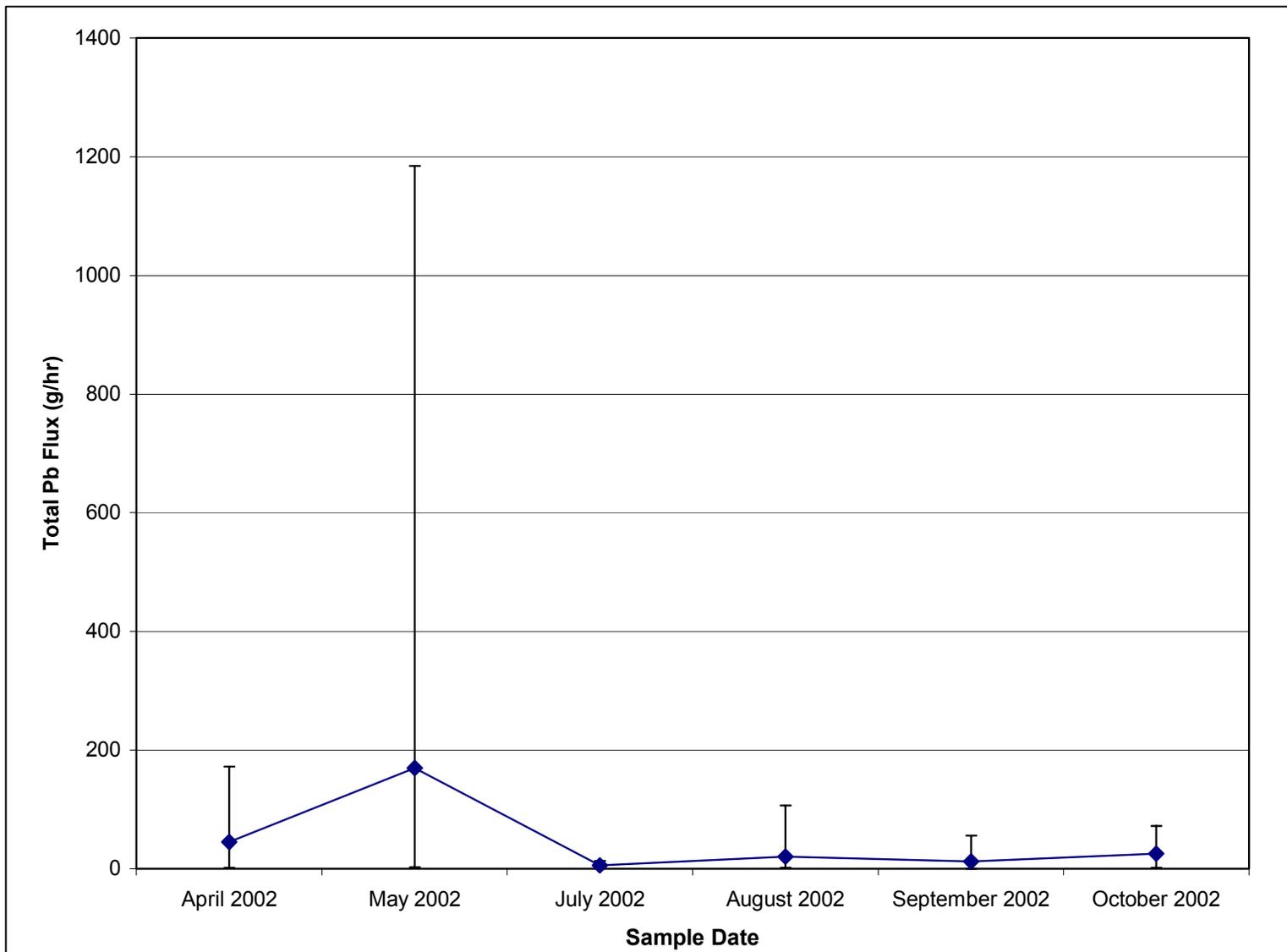


Figure 4-102: Storm Event Overall Average Lead Flux per Sample Date

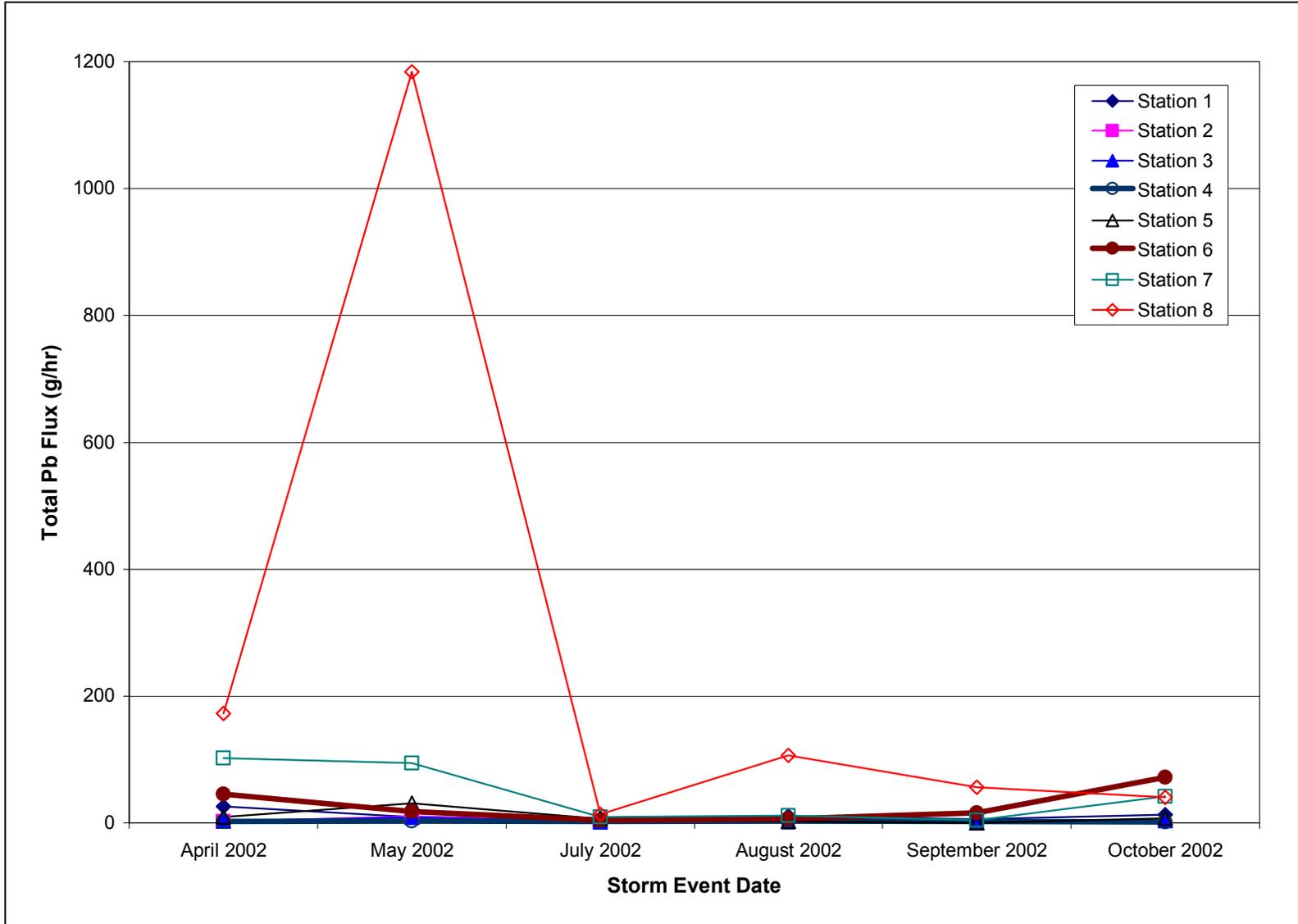


Figure 4-103: Lead Flux for each Storm Event at each Sample Station

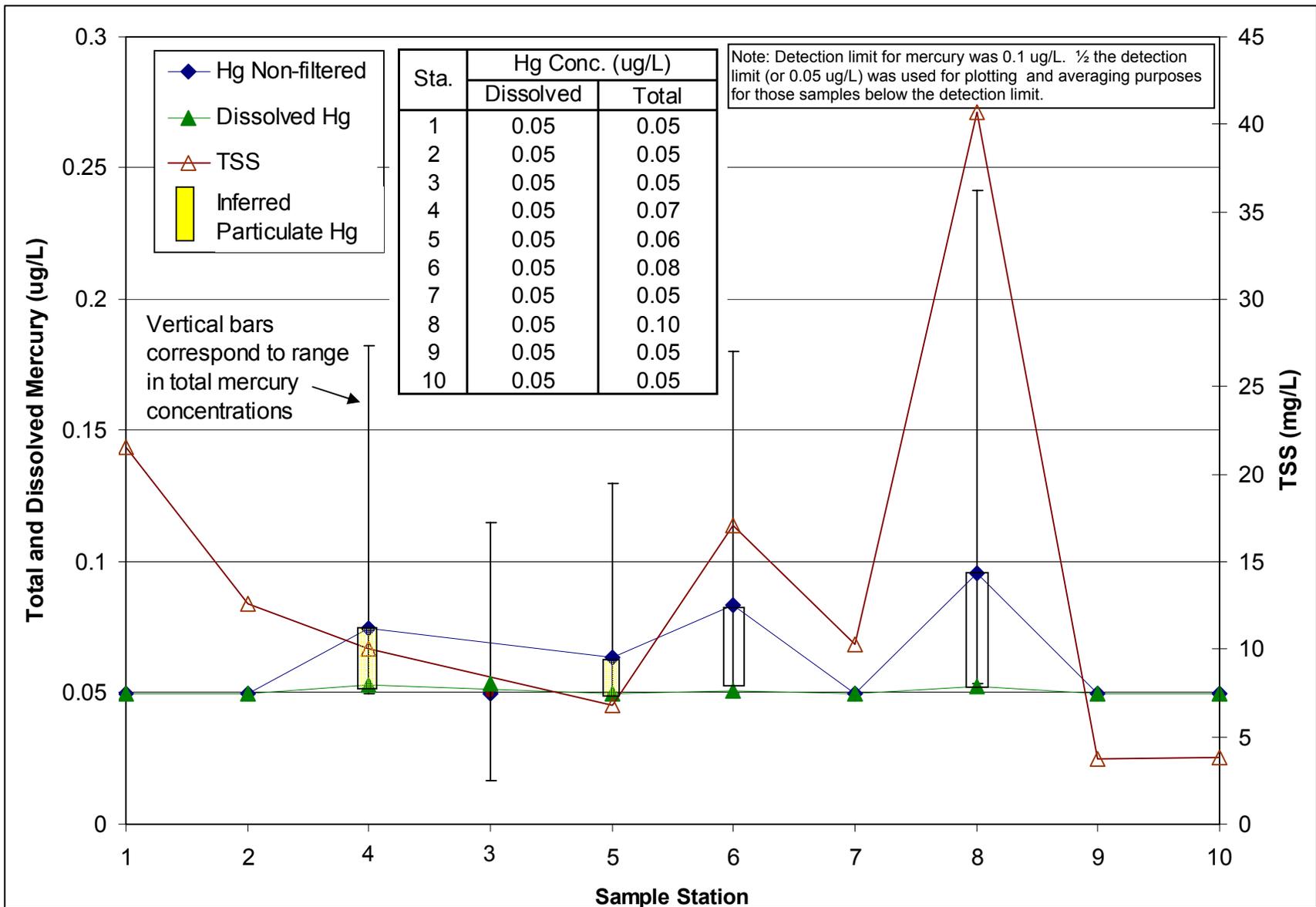


Figure 4-104: Average Total Mercury Concentrations per Sample Station During Storm Flow Conditions

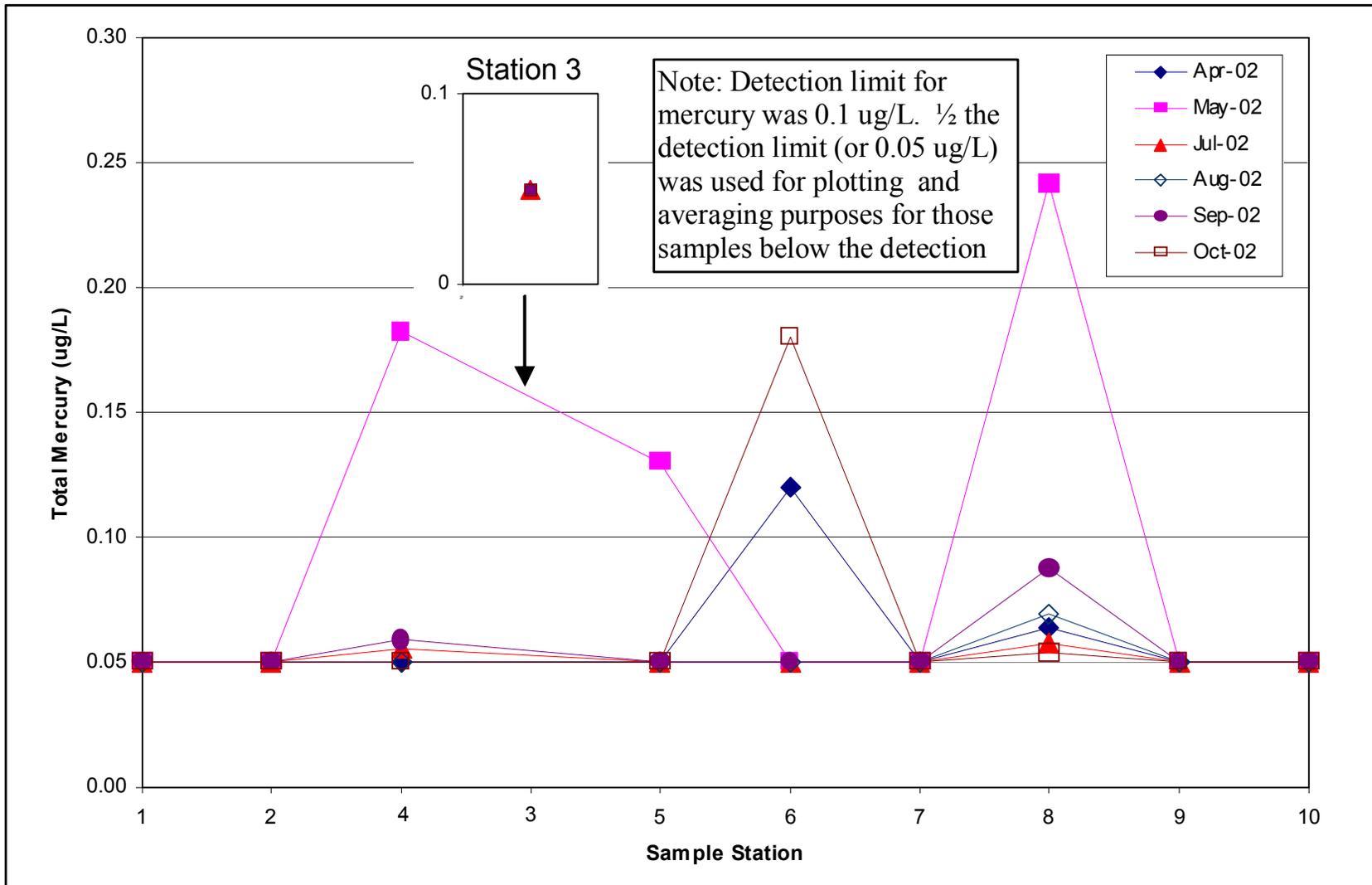


Figure 4-105: Storm-Composite Total Mercury Concentrations per Sample Station

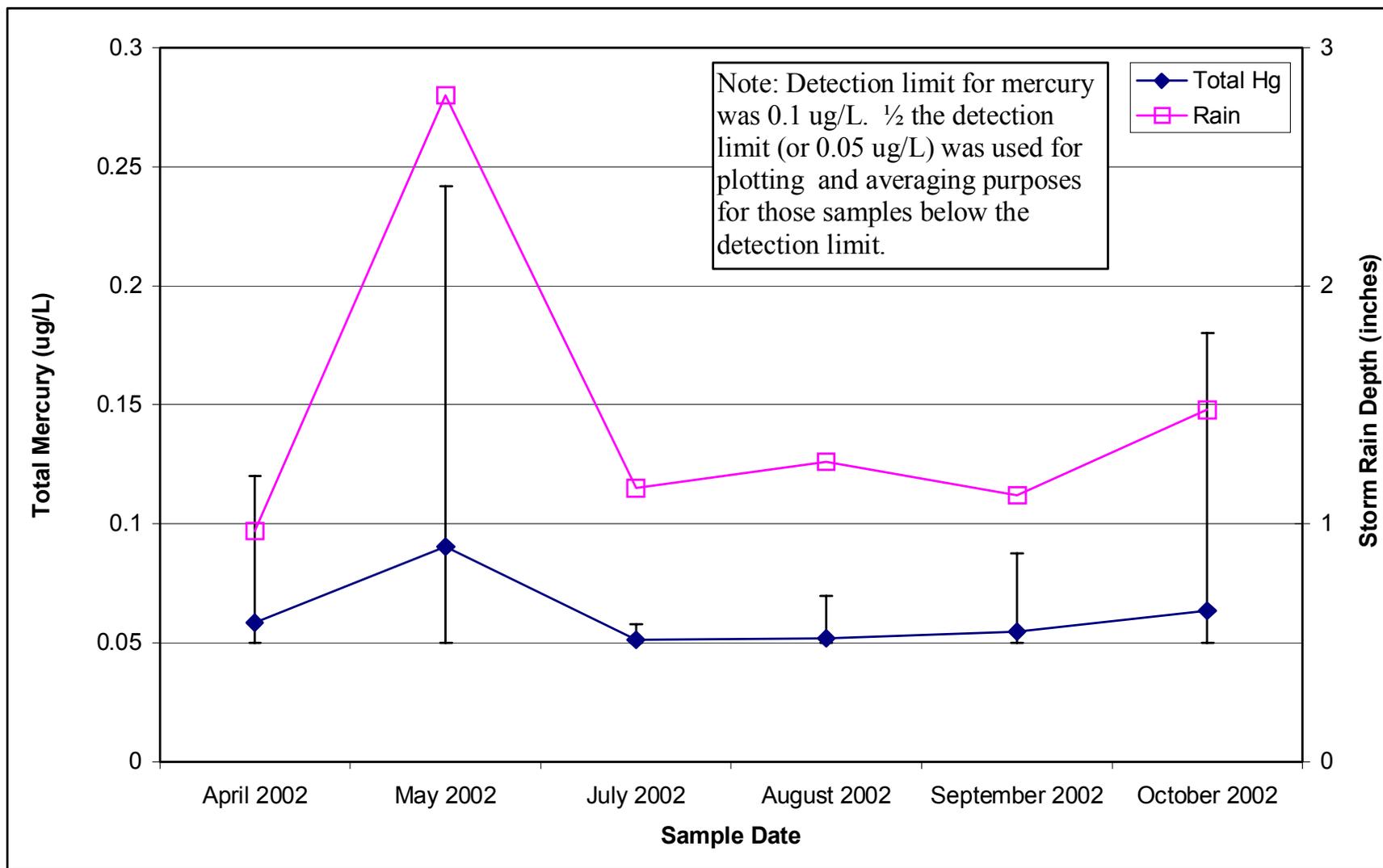


Figure 4-106: Average Total Mercury Concentrations per Sampling Date During Storm Flow Conditions

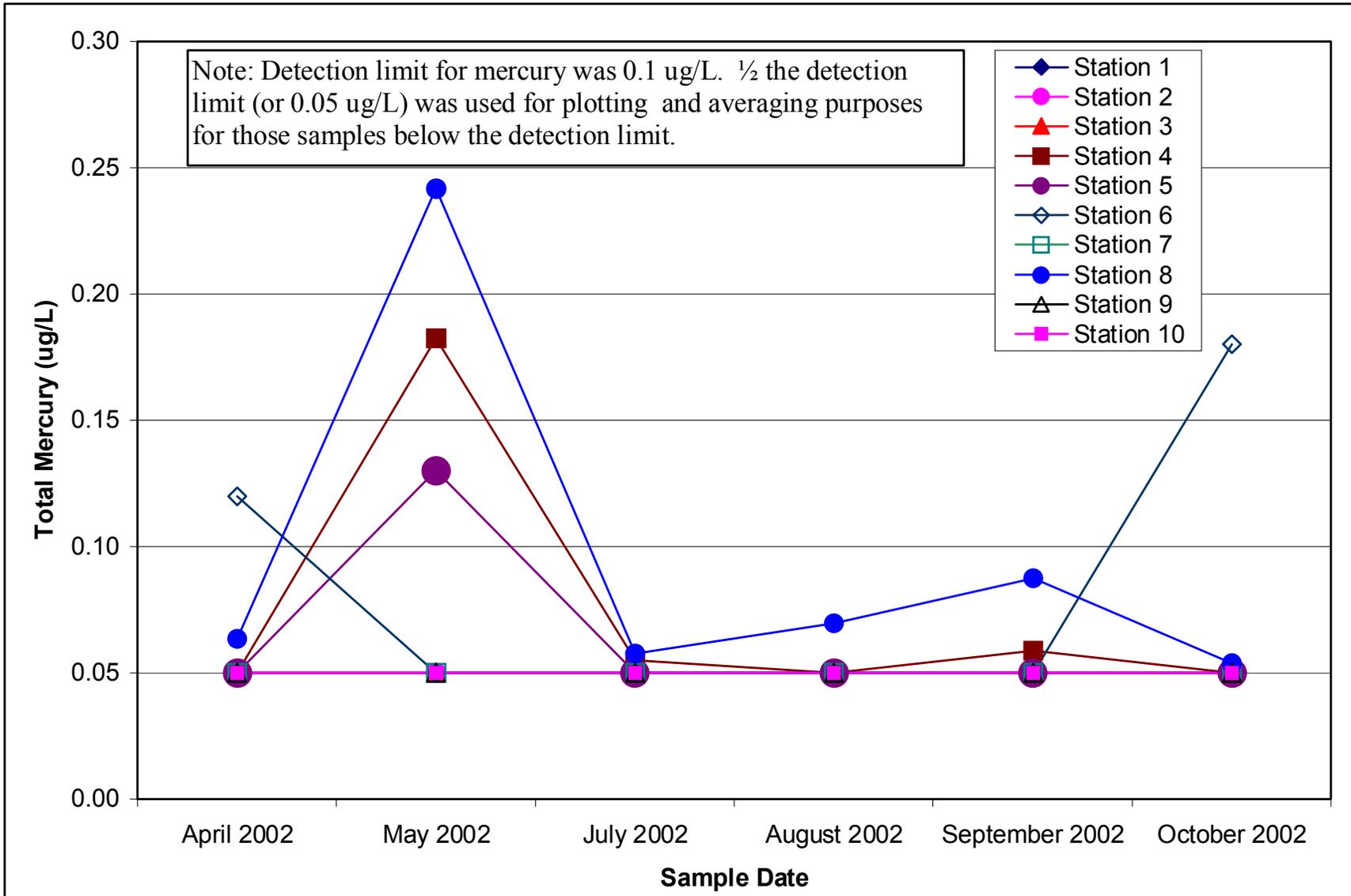


Figure 4-107: Storm-Composite Total Mercury Concentrations per Sampling Date

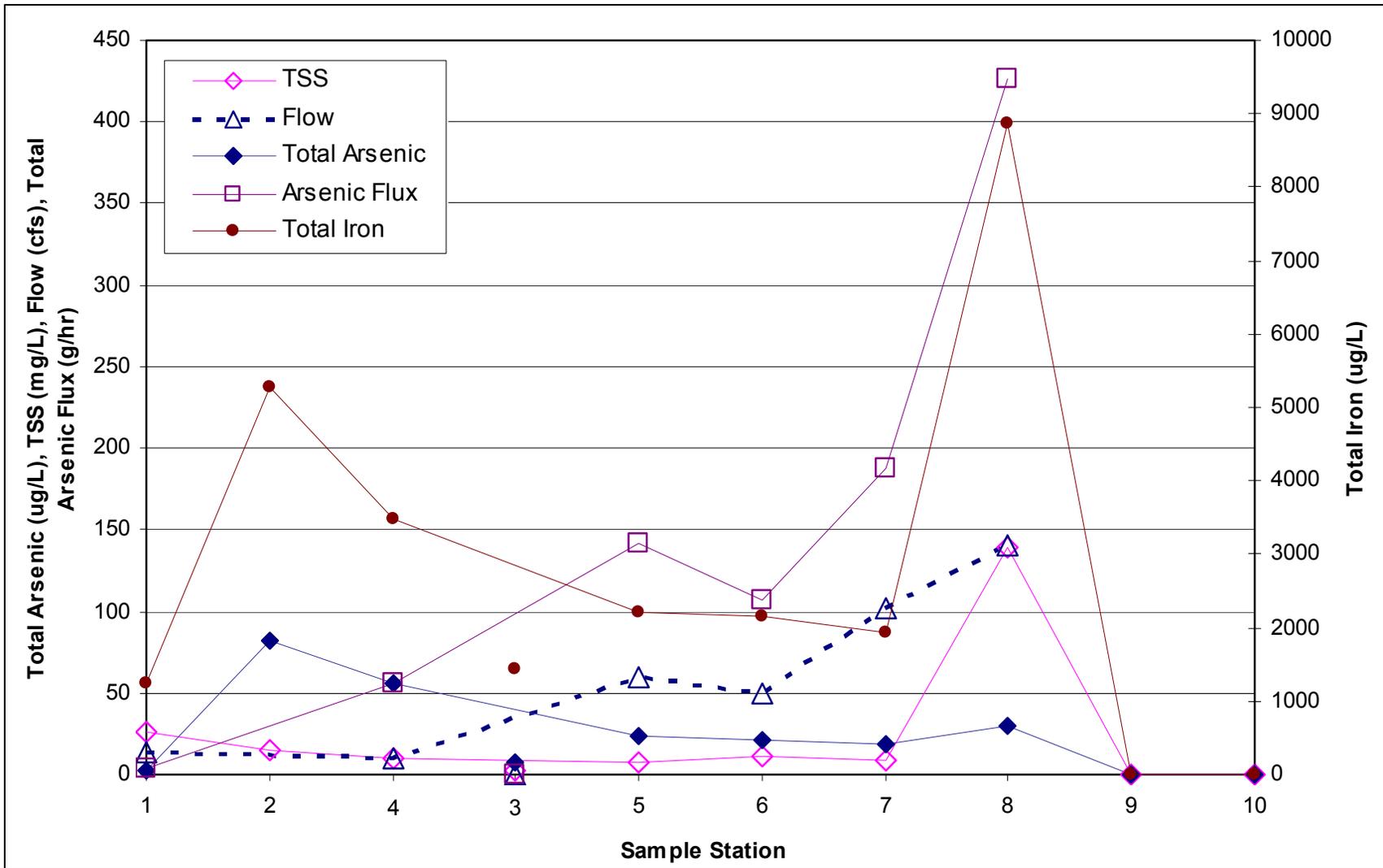


Figure 4-108: Total Arsenic and Iron During the May 2022 Storm Event

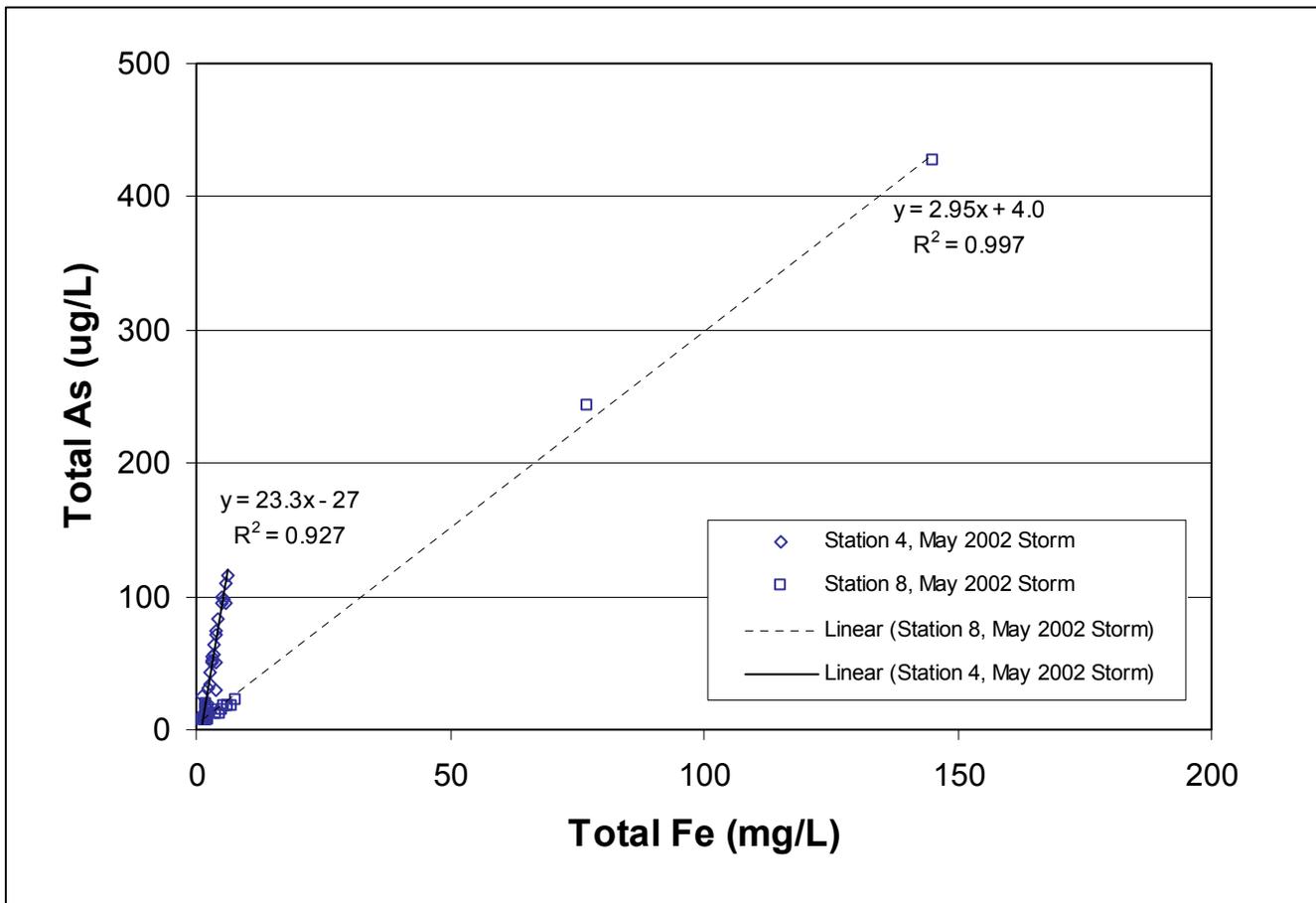


Figure 4-108a: Total Arsenic Versus Total Iron Concentrations at Stations 4 and 8 for the May 2002 Storm Event

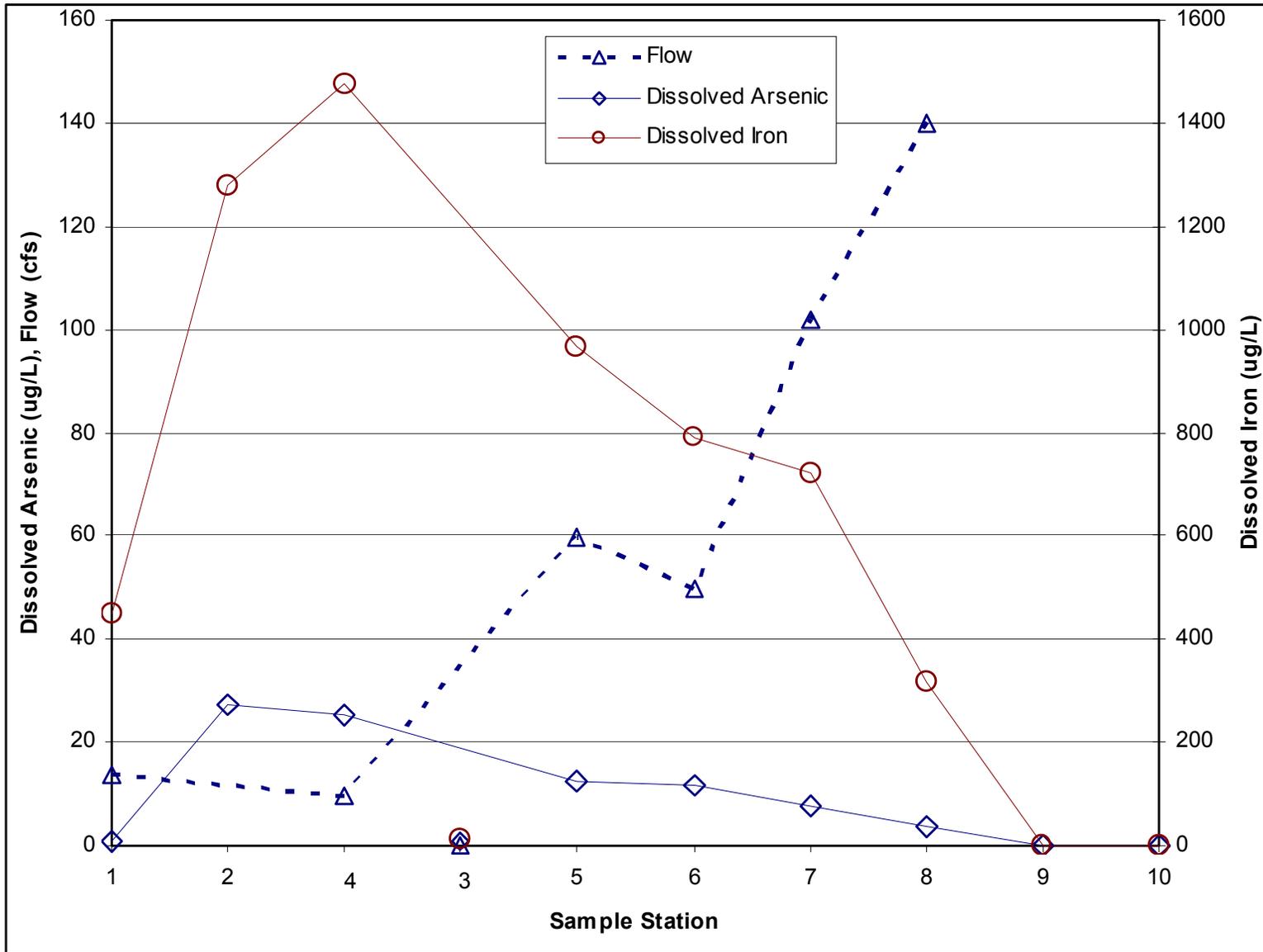


Figure 4-109: Dissolved Arsenic and Iron During the May 2002 Storm Event

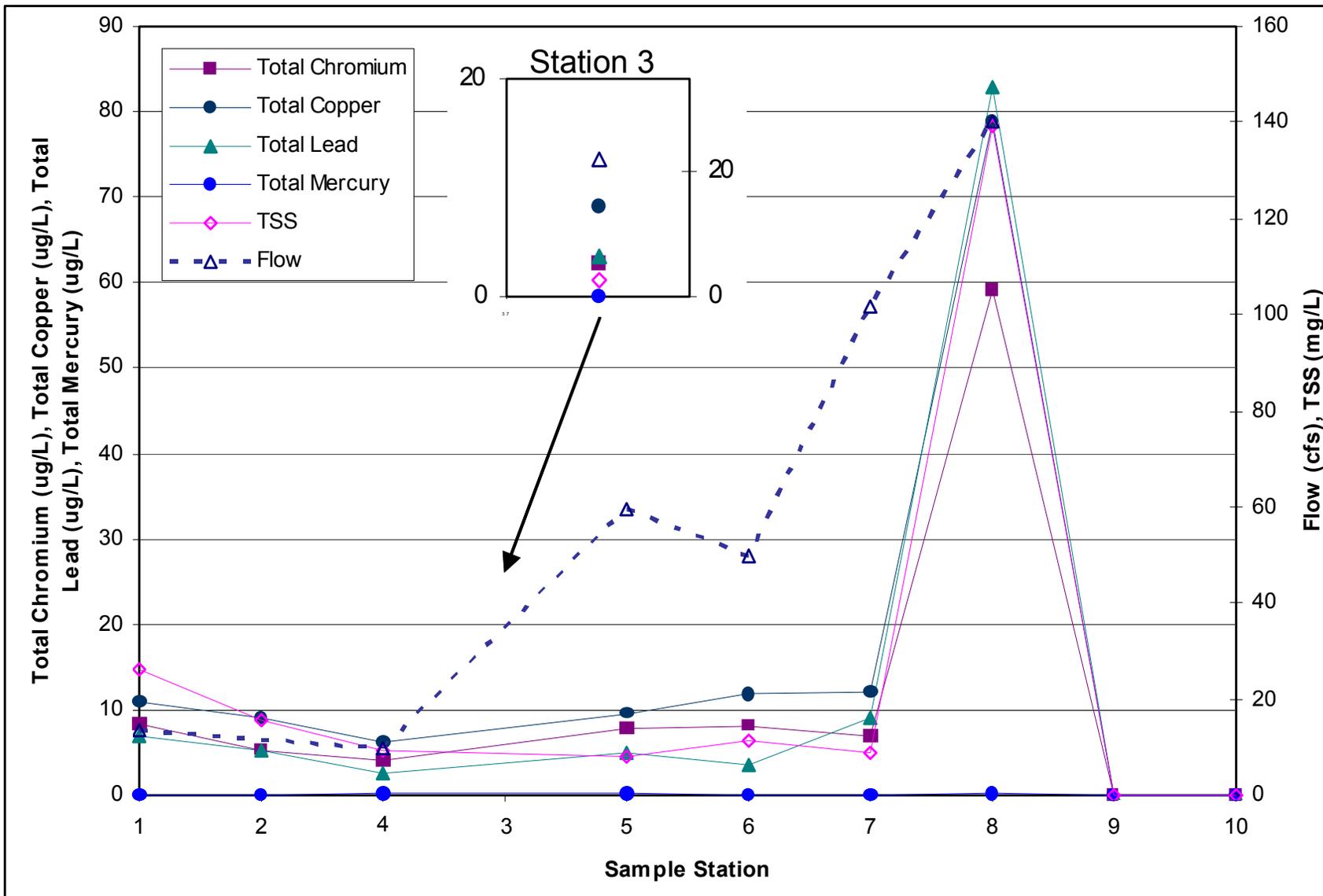


Figure 4-110: Total Chromium, Copper, Lead, and Mercury During the May 2002 Storm Event

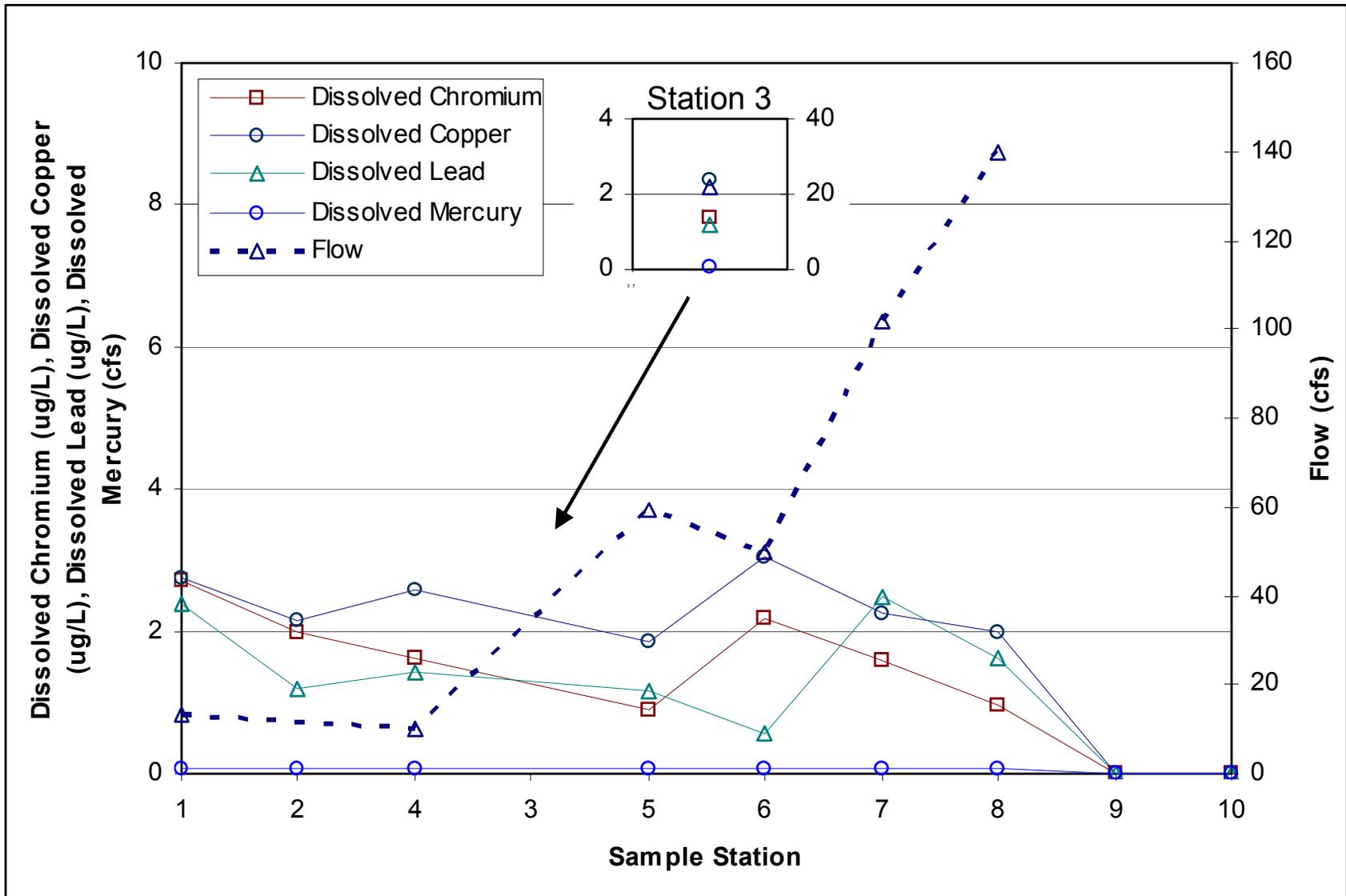


Figure 4-111: Dissolved Chromium, Copper, Lead, and Mercury During the May 2002 Storm Event

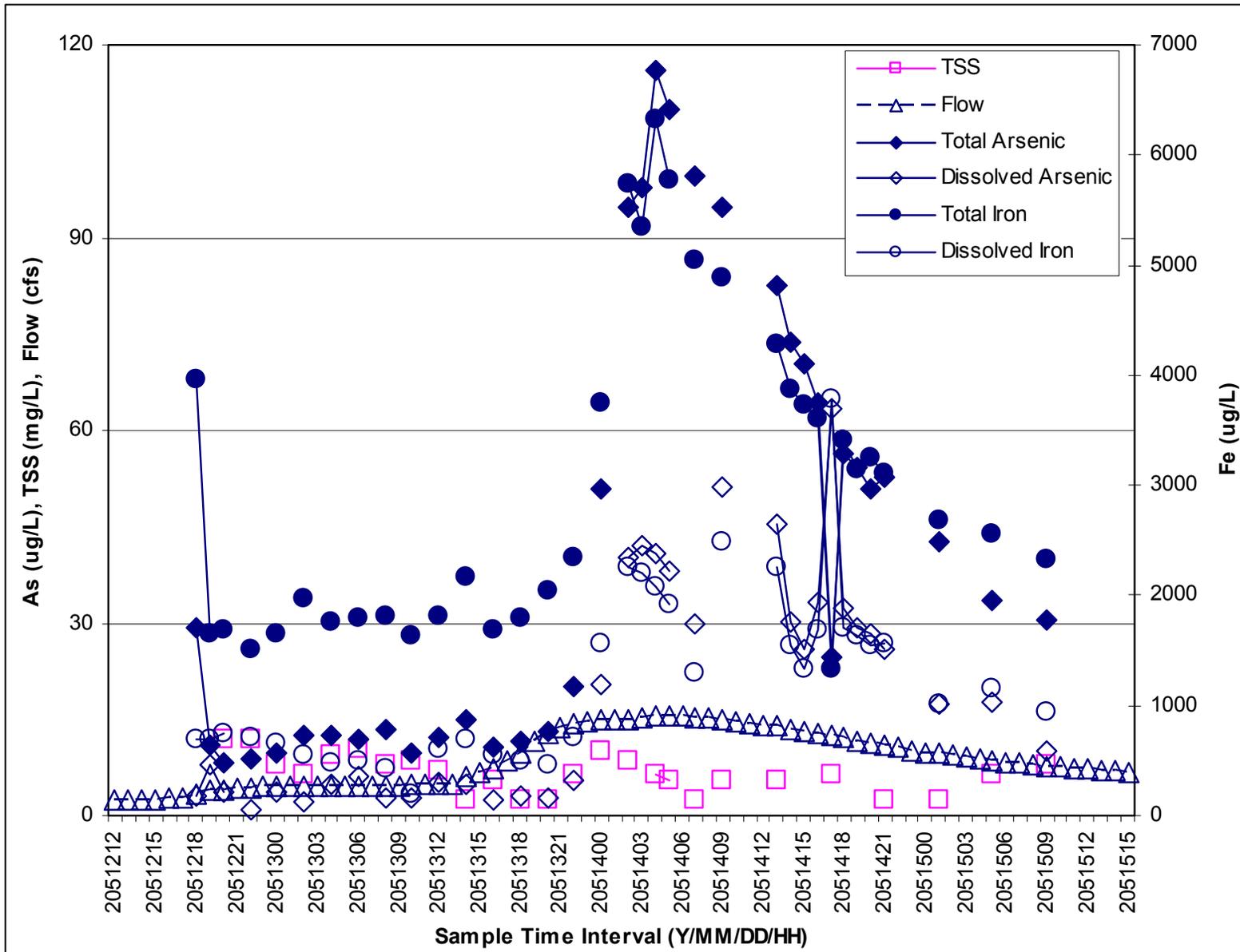


Figure 4-112: Arsenic and Iron Hourly Grab Sample Data at Station 4 for the May 2002 Storm Event

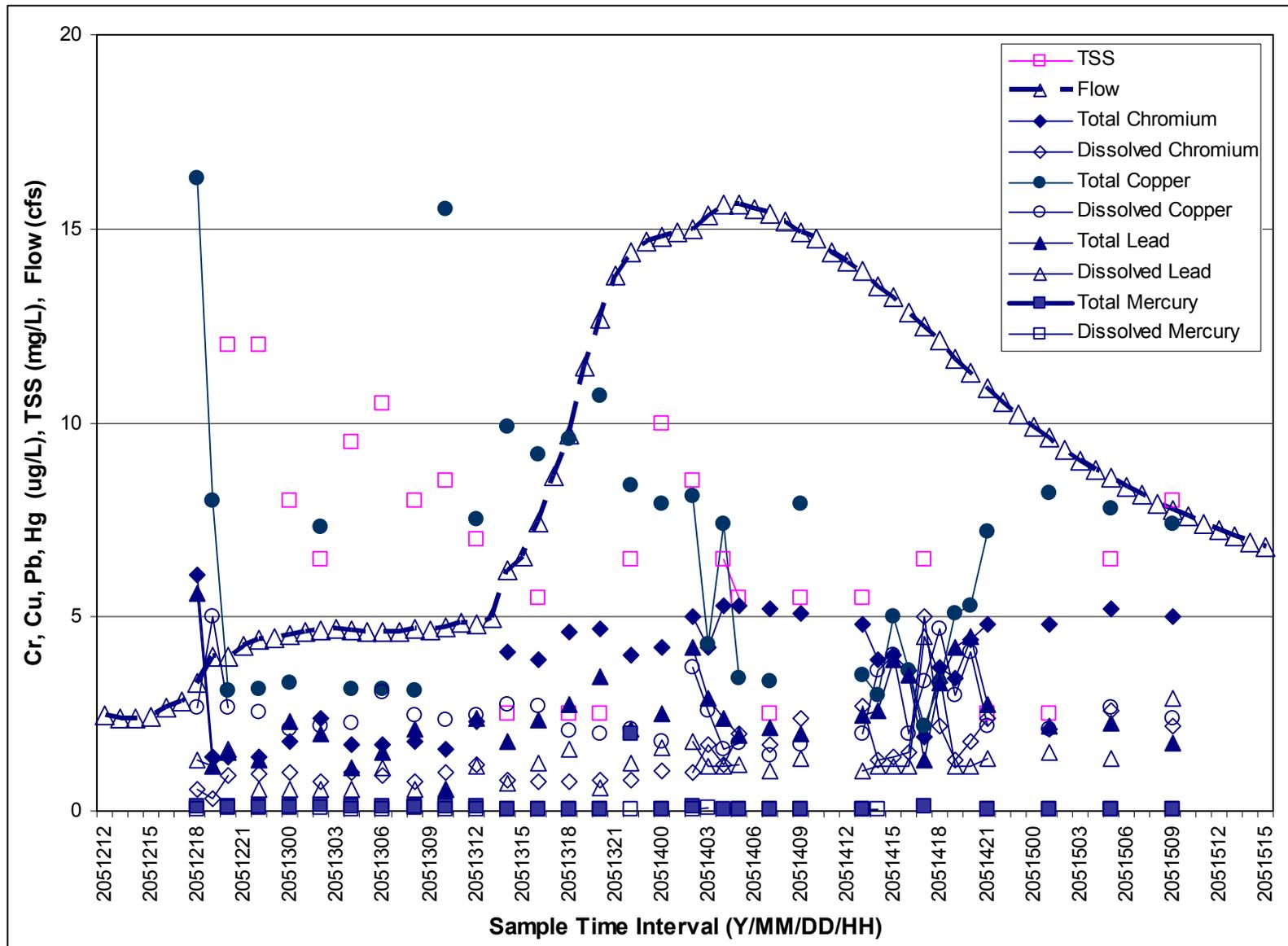


Figure 4-113: Chromium, Copper, Lead, and Mercury Hourly Grab Sample Data at Station 4 for the May 2002 Storm Event

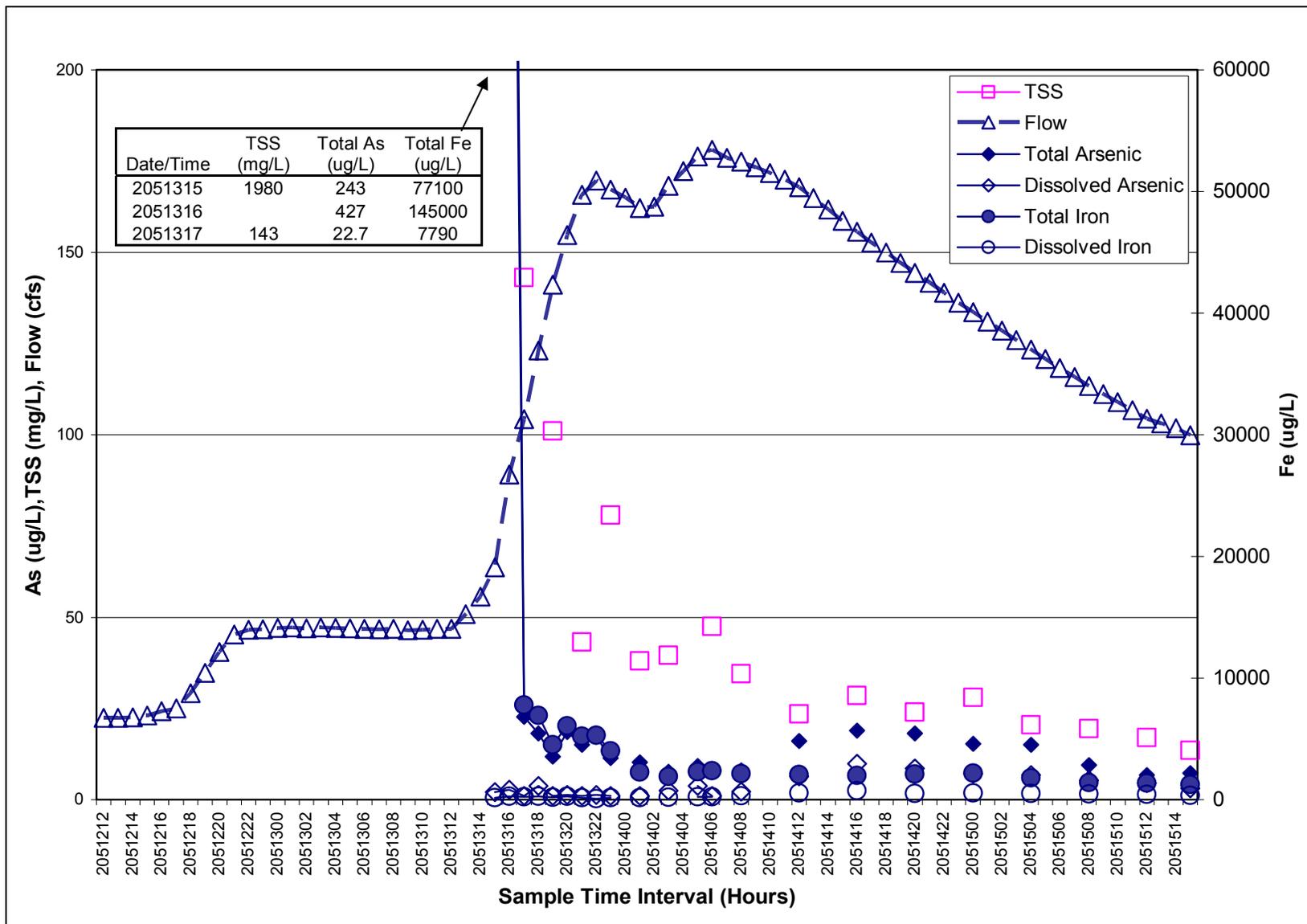


Figure 4-114: Arsenic and Iron Hourly Grab Sample Data at Station 8 for the May 2002 Storm Event

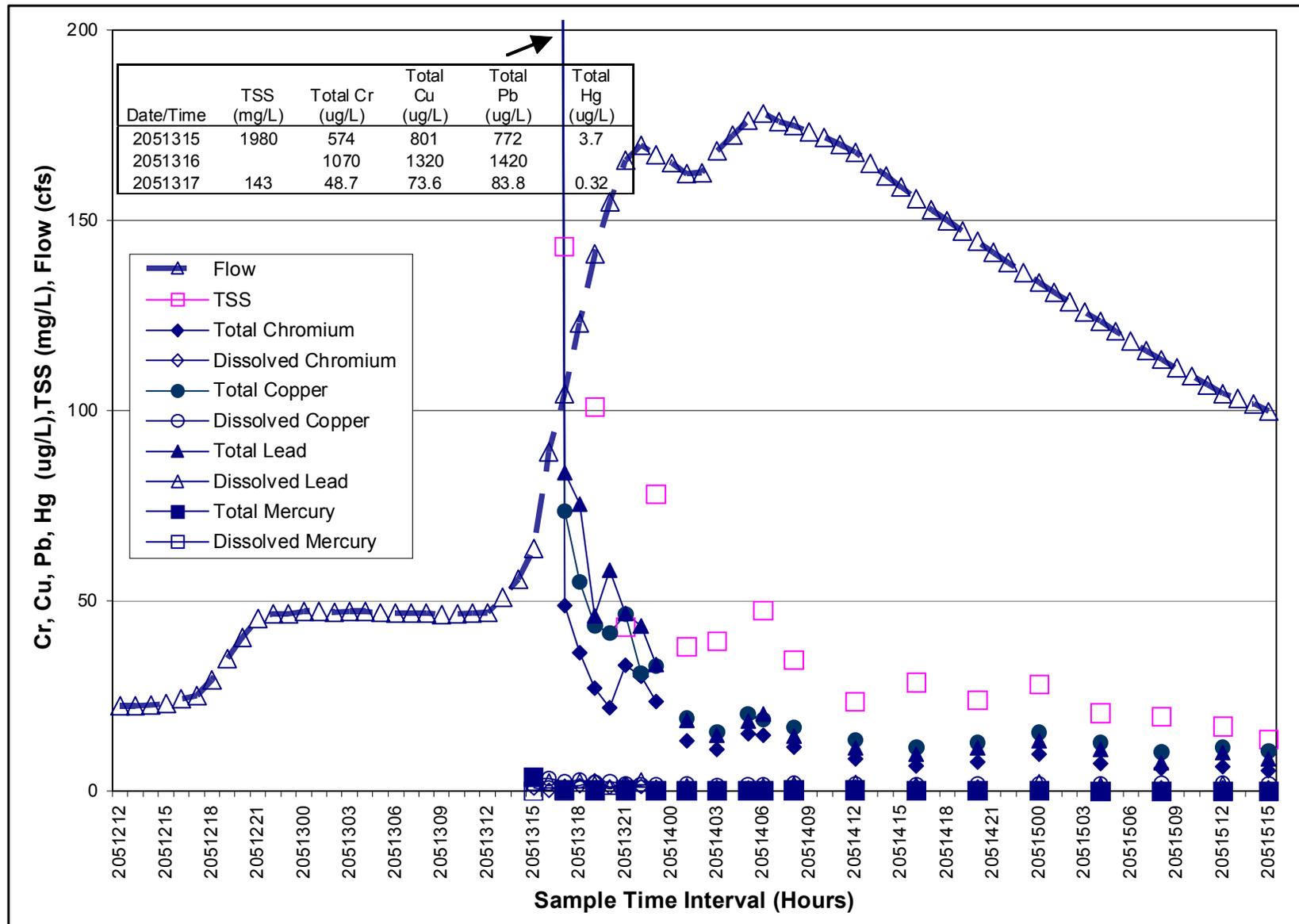


Figure 4-115: Chromium, Copper, Lead, and Mercury Hourly Grab Sample Data at Station 8 for the May 2002 Storm Event

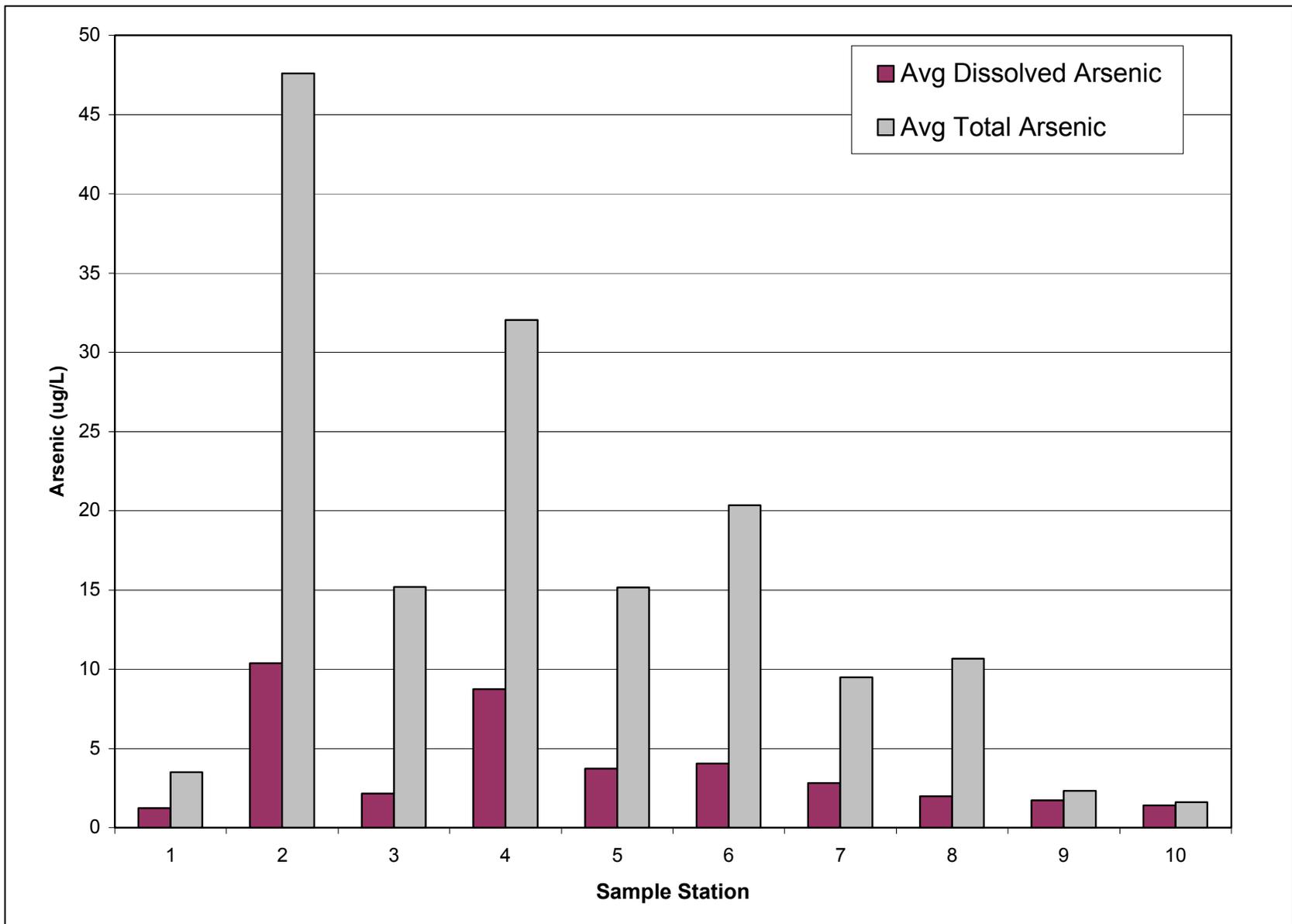


Figure 4-116: Average Storm Flow Dissolved Versus Total Arsenic

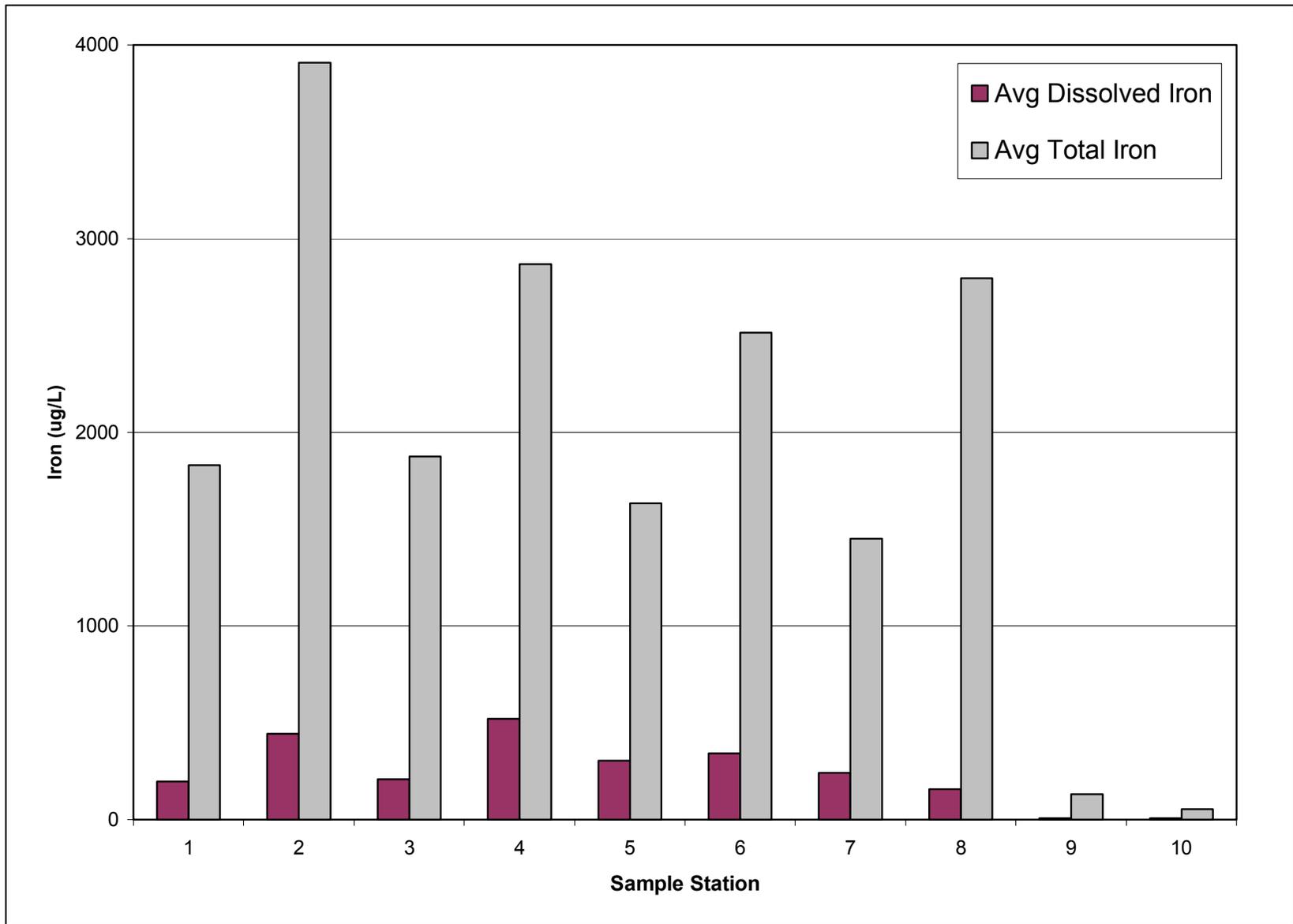


Figure 4-117: Average Storm Flow Dissolved Versus Total Iron

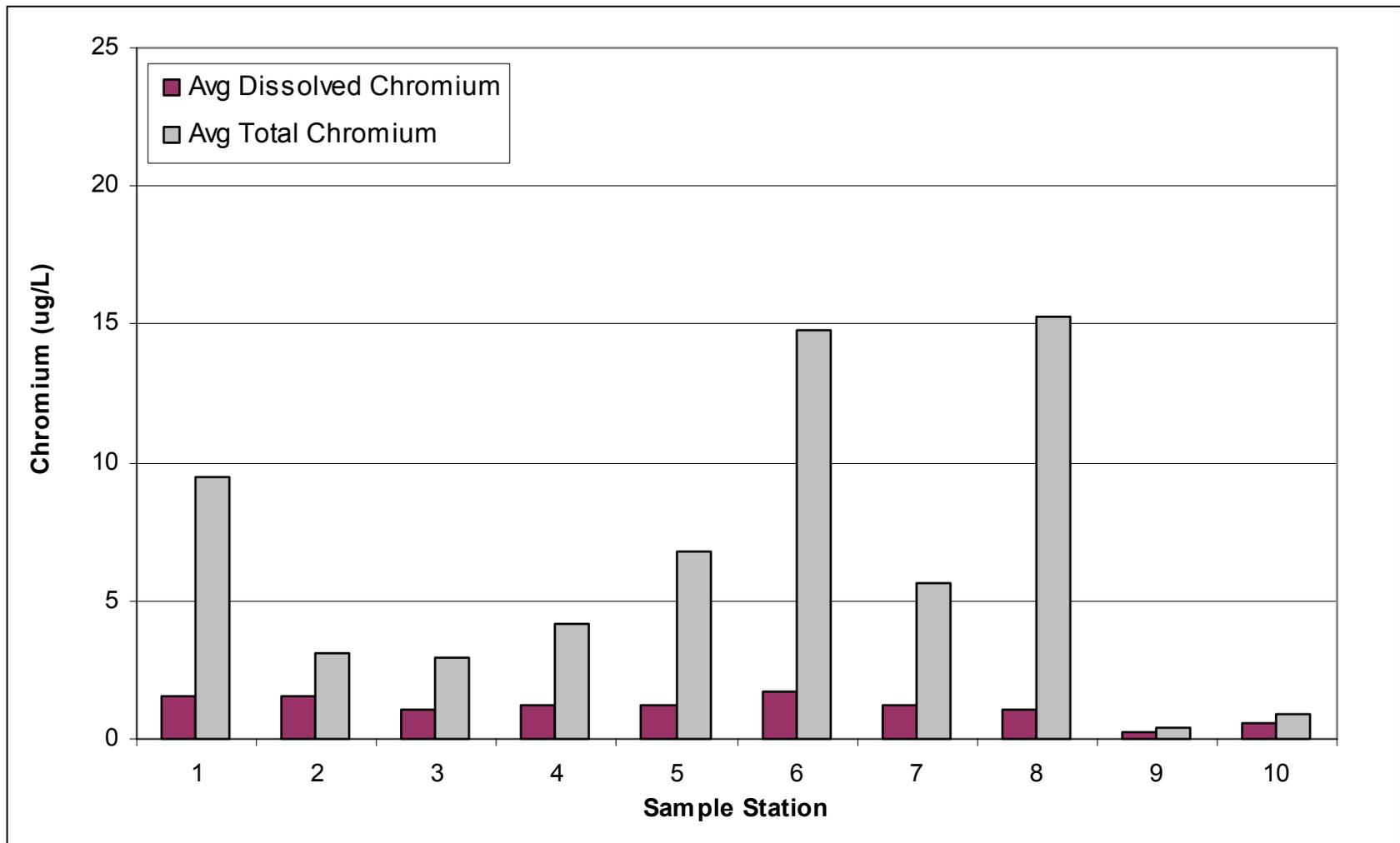


Figure 4-118: Average Storm Flow Dissolved Versus Total Chromium

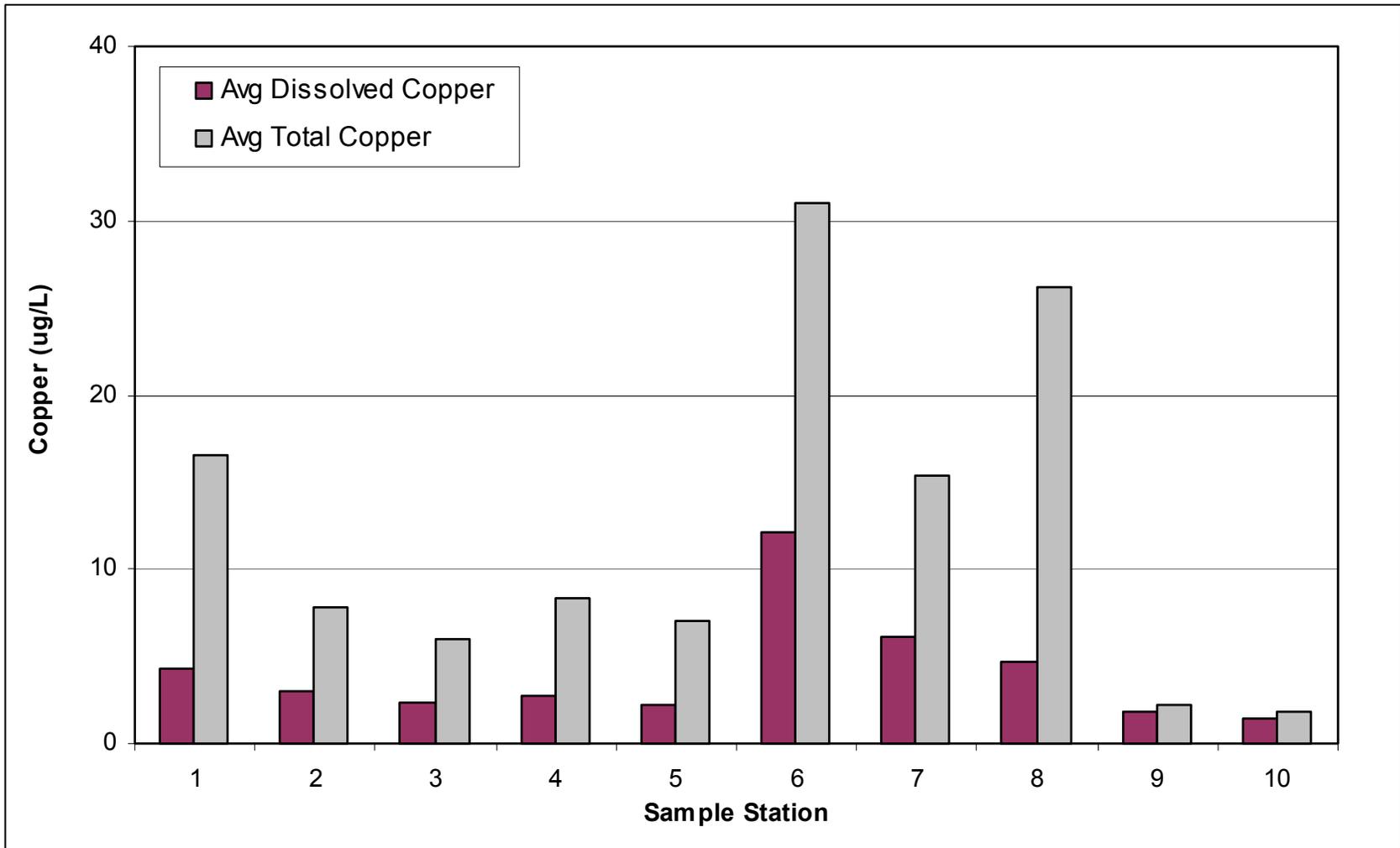


Figure 4-119: Average Storm Flow Dissolved Versus Total Copper

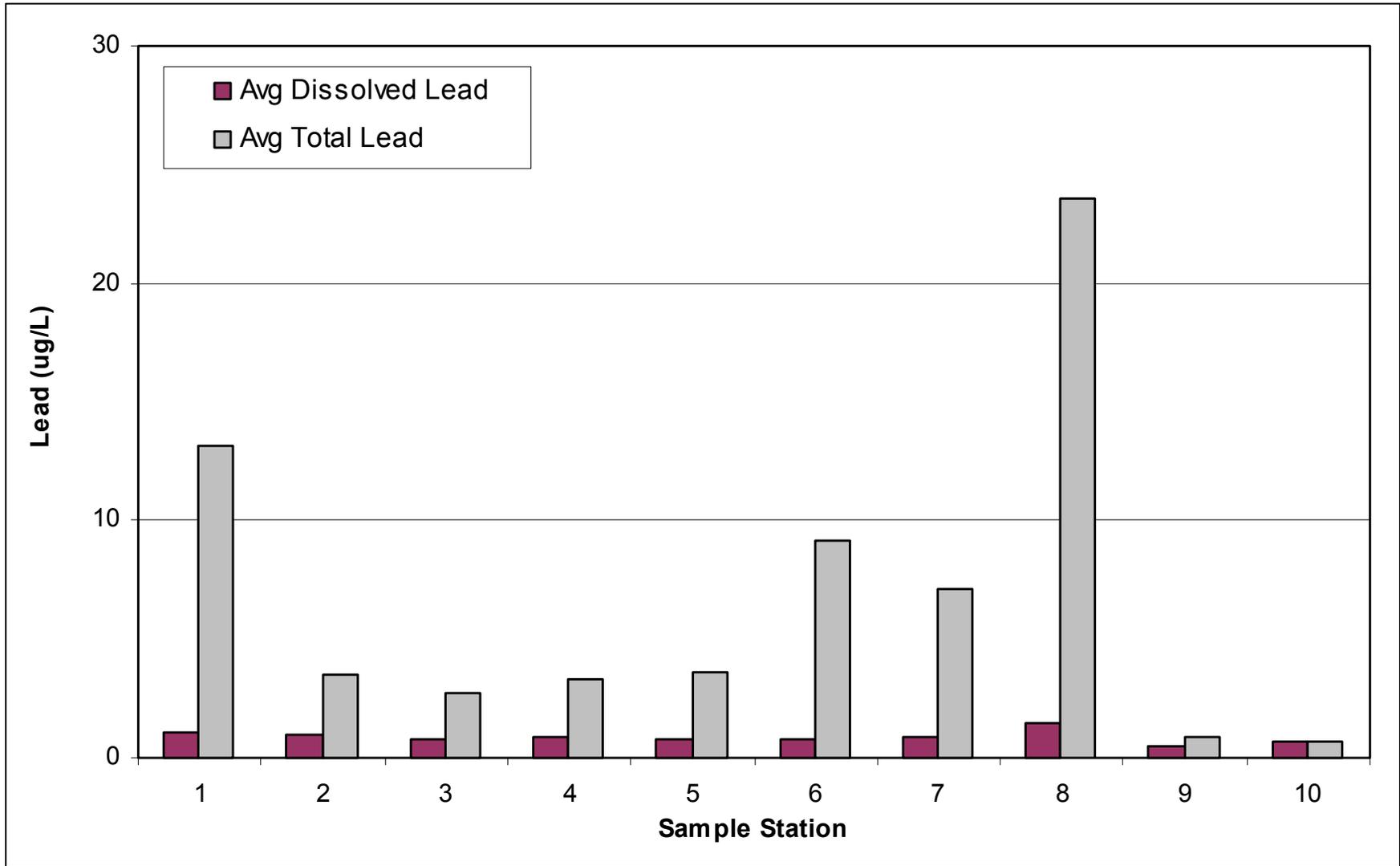


Figure 4-120: Average Storm Flow Dissolved Versus Total Lead

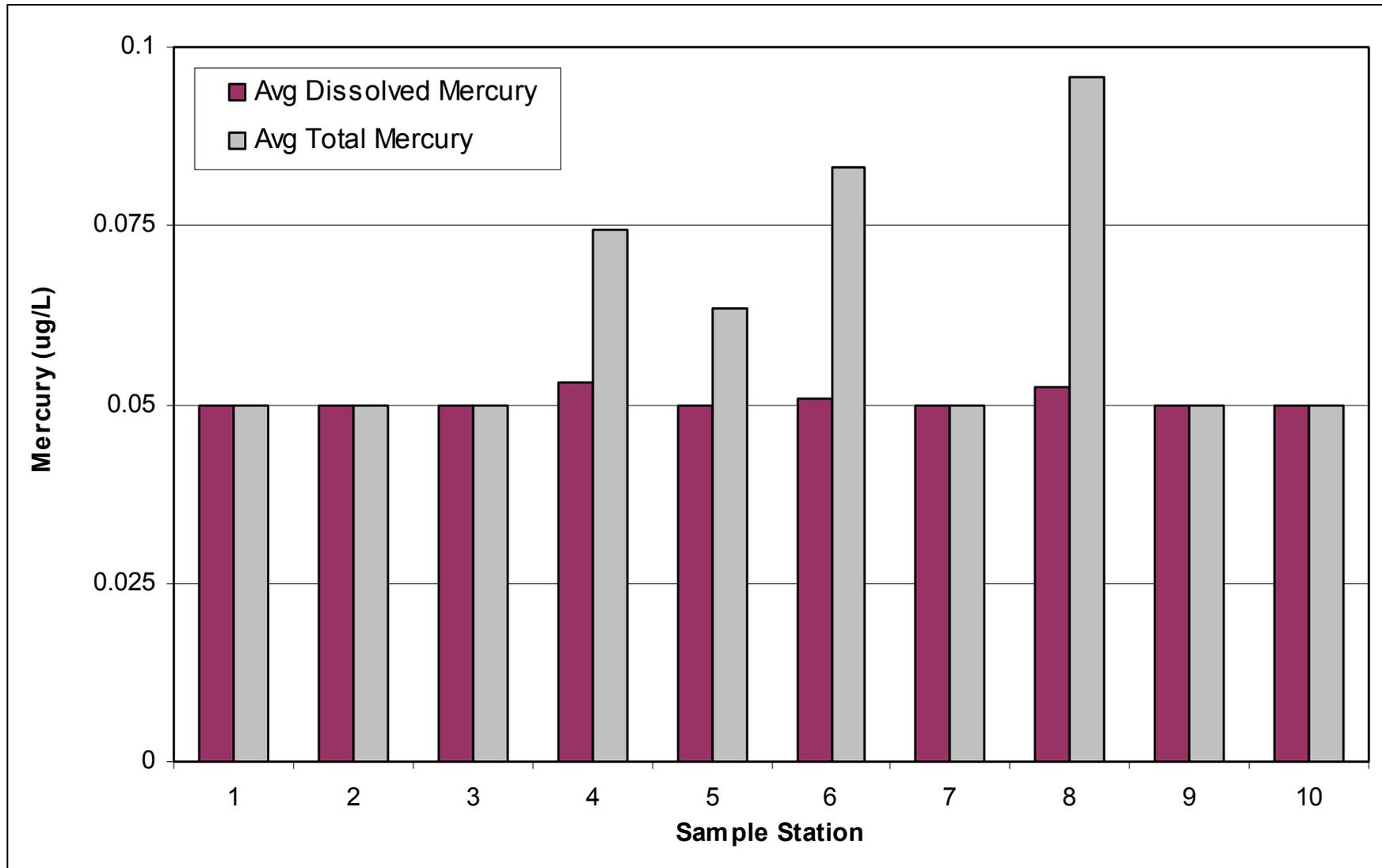


Figure 4-121: Average Storm Flow Dissolved Versus Total Mercury

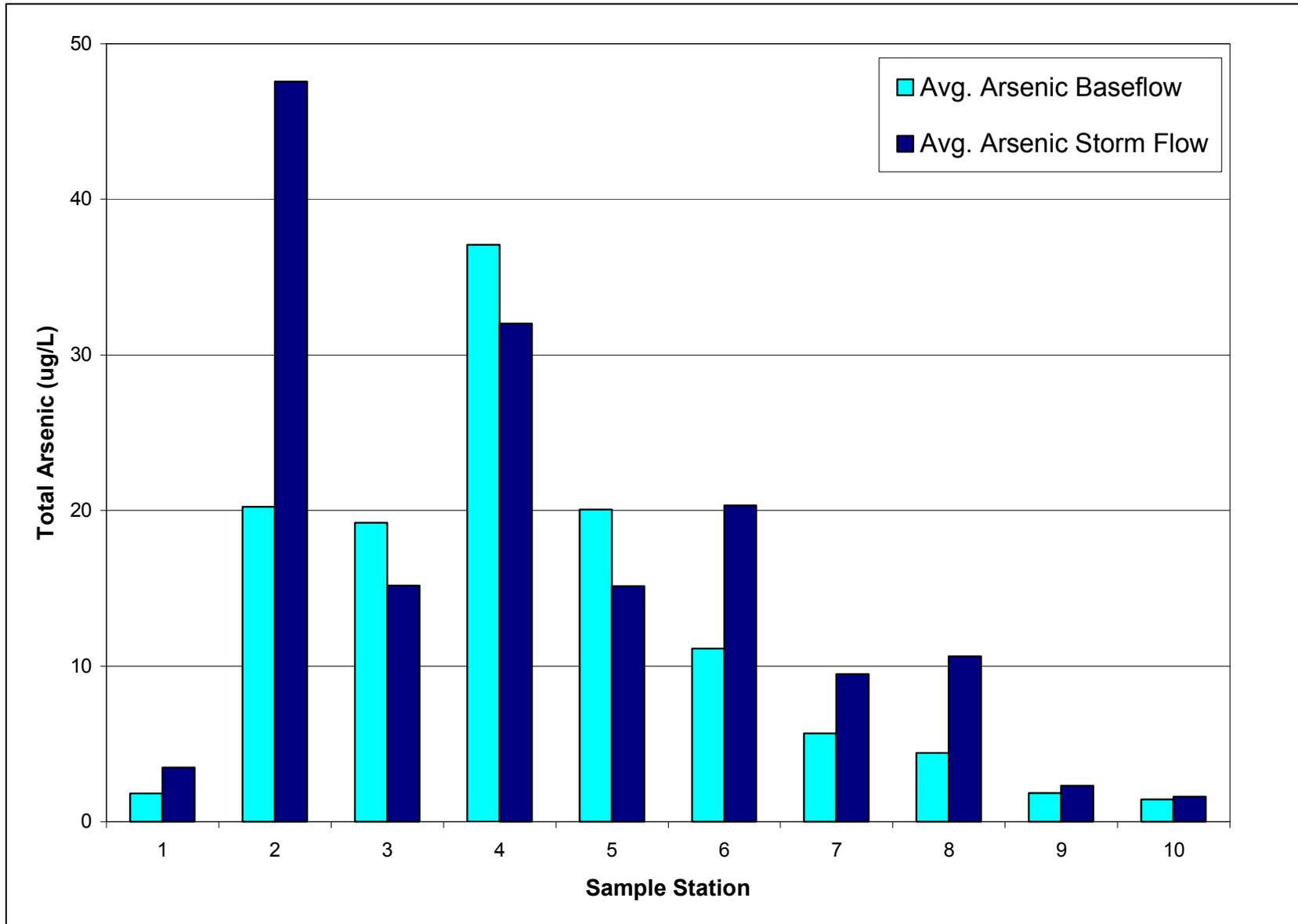


Figure 4-122: Total Average Arsenic Concentrations During Baseflow Versus Storm Flow Conditions

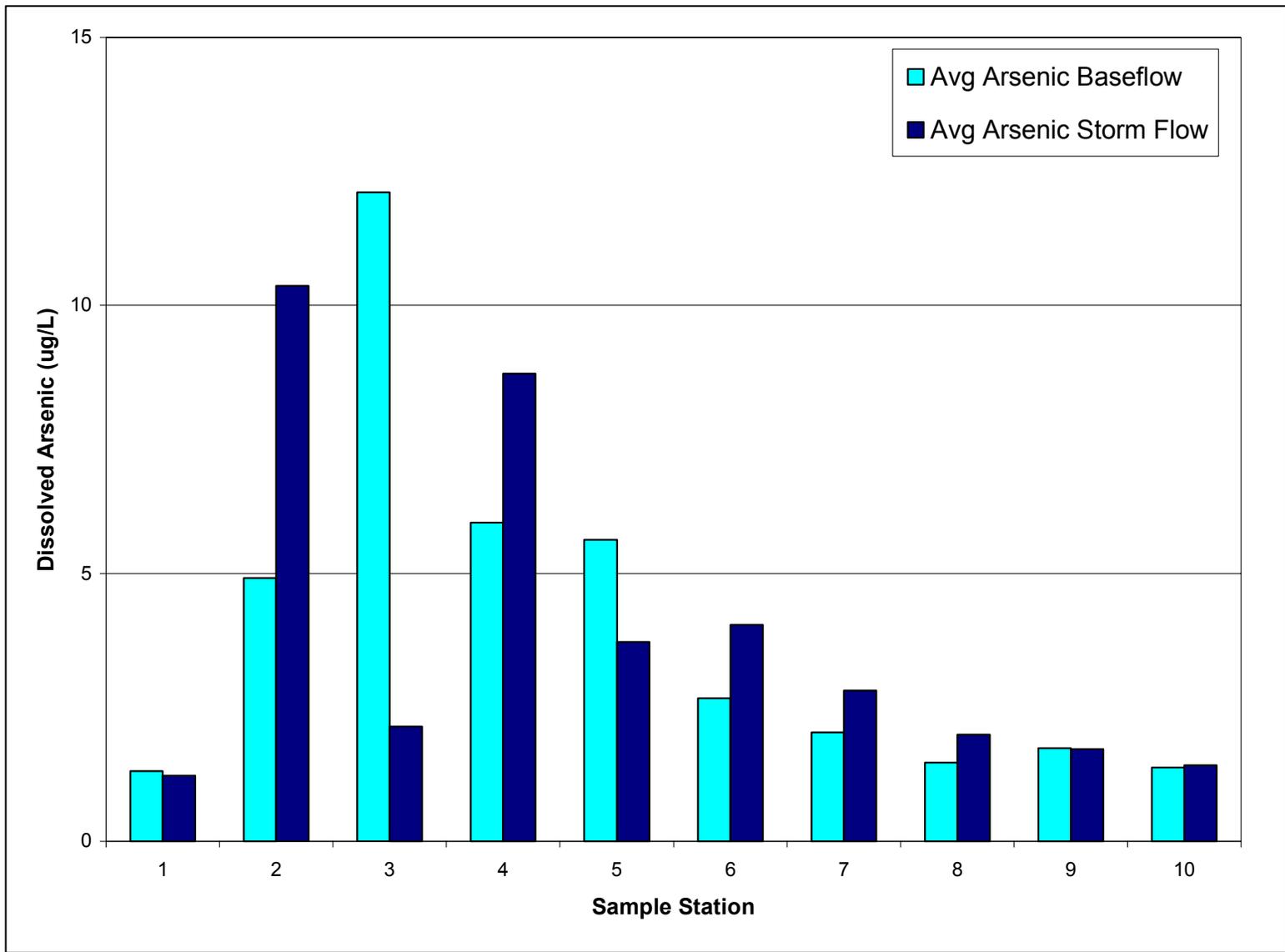


Figure 4-123: Dissolved Average Arsenic Concentrations During Baseflow Versus Storm Flow Conditions

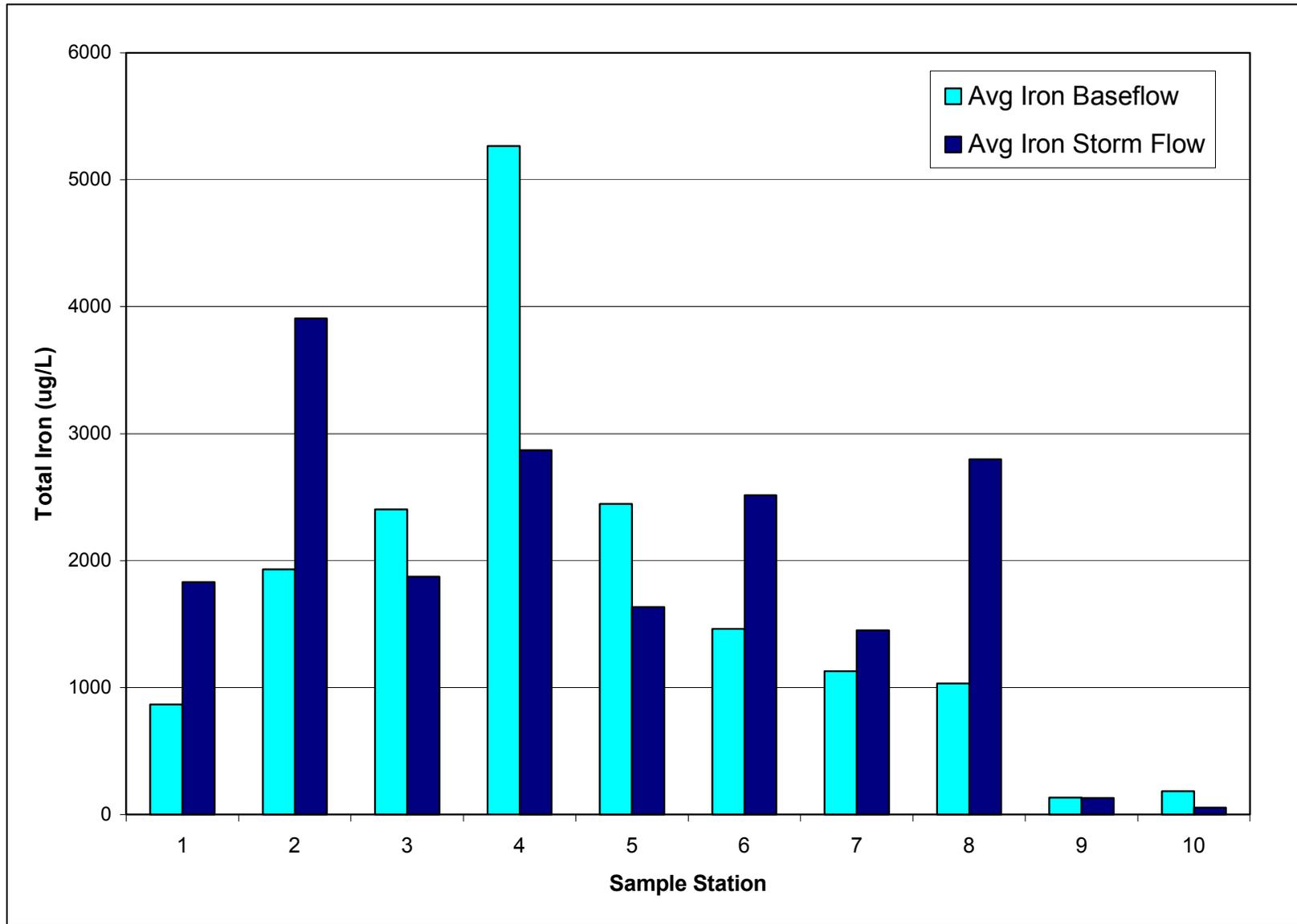


Figure 4-124: Average Total Iron Concentrations During Baseflow Versus Storm Flow Conditions

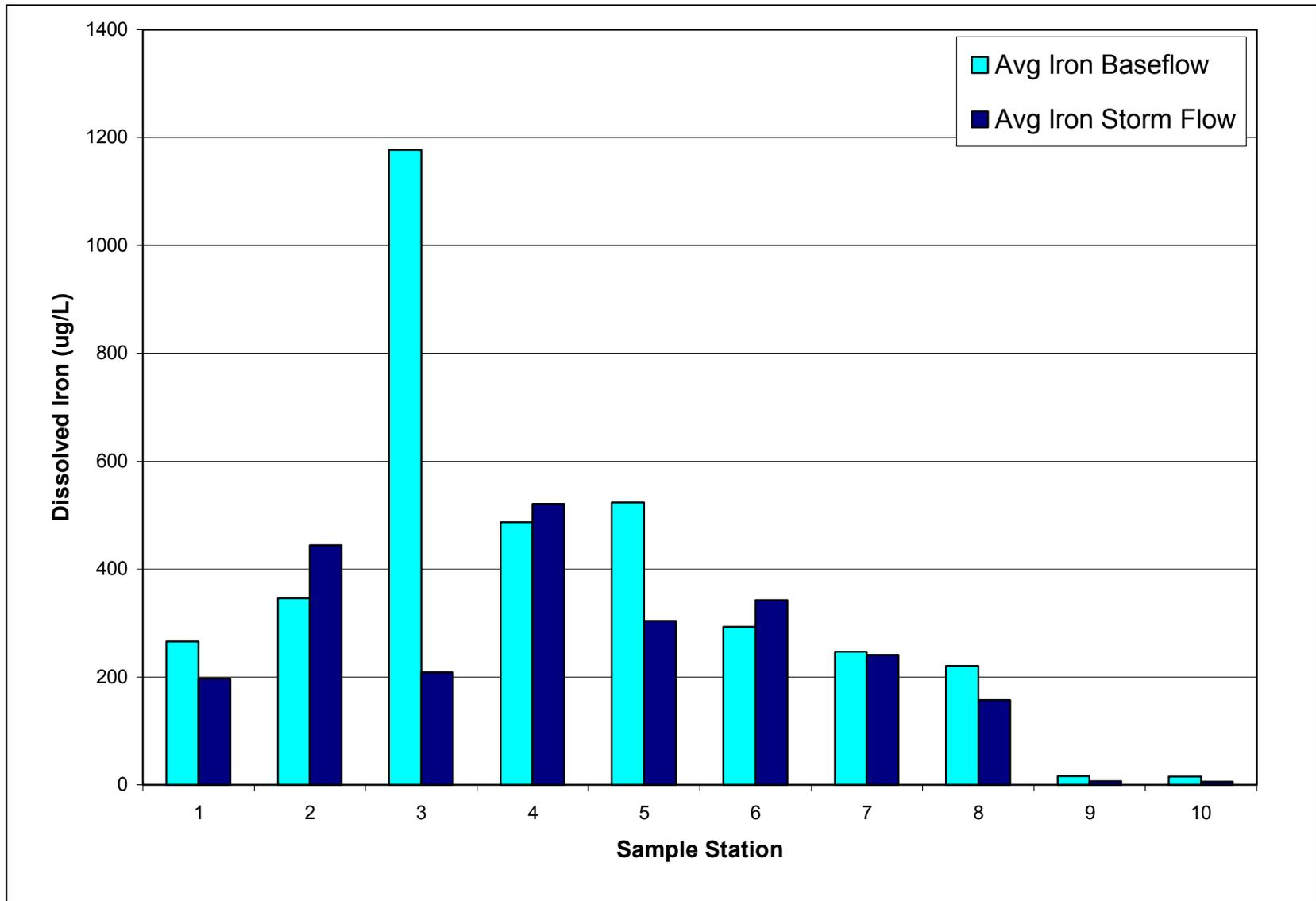


Figure 4-125: Average Dissolved Iron Concentrations During Baseflow Versus Storm Flow Conditions

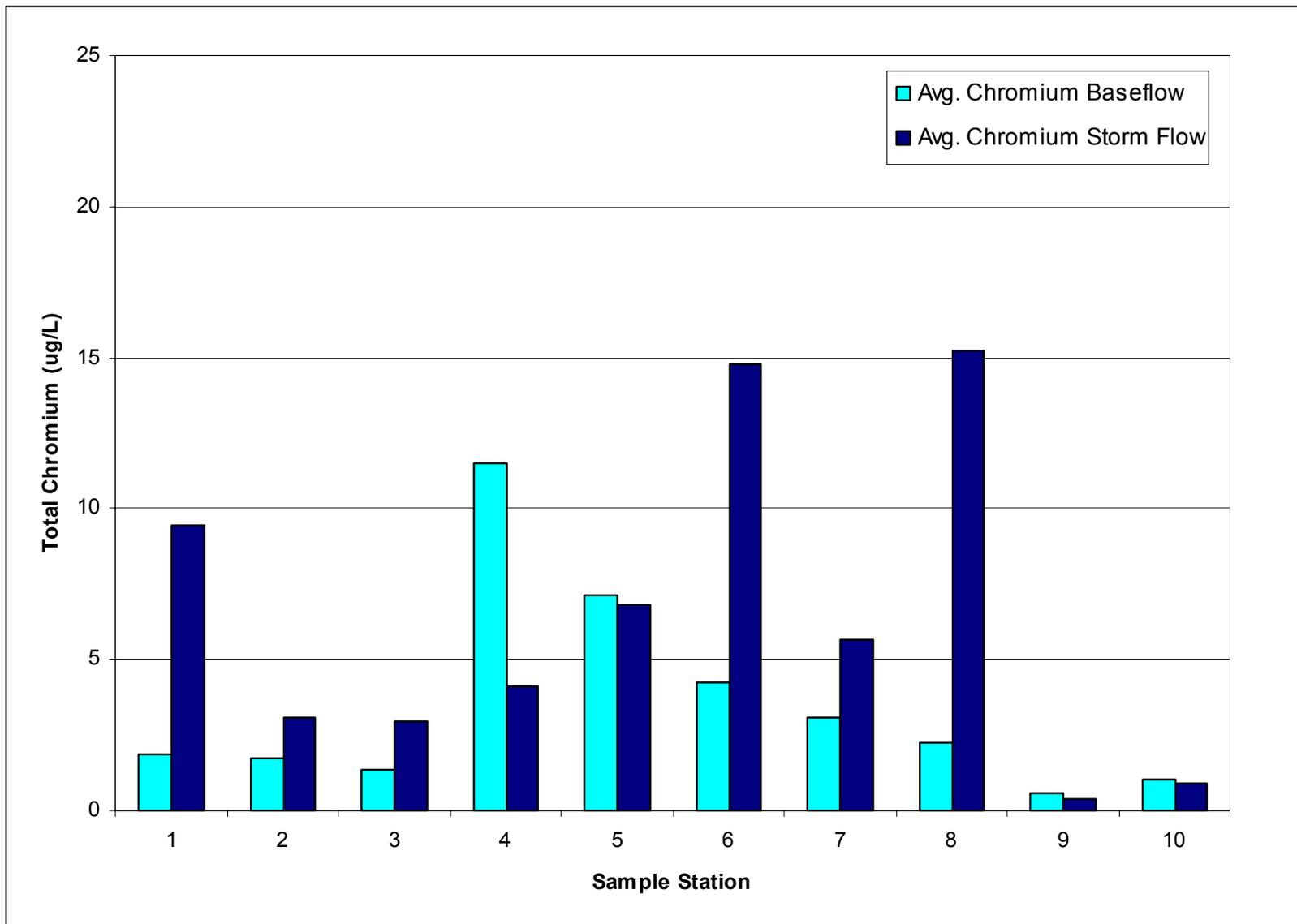


Figure 4-126: Total Average Chromium During Baseflow Versus Storm Flow Conditions

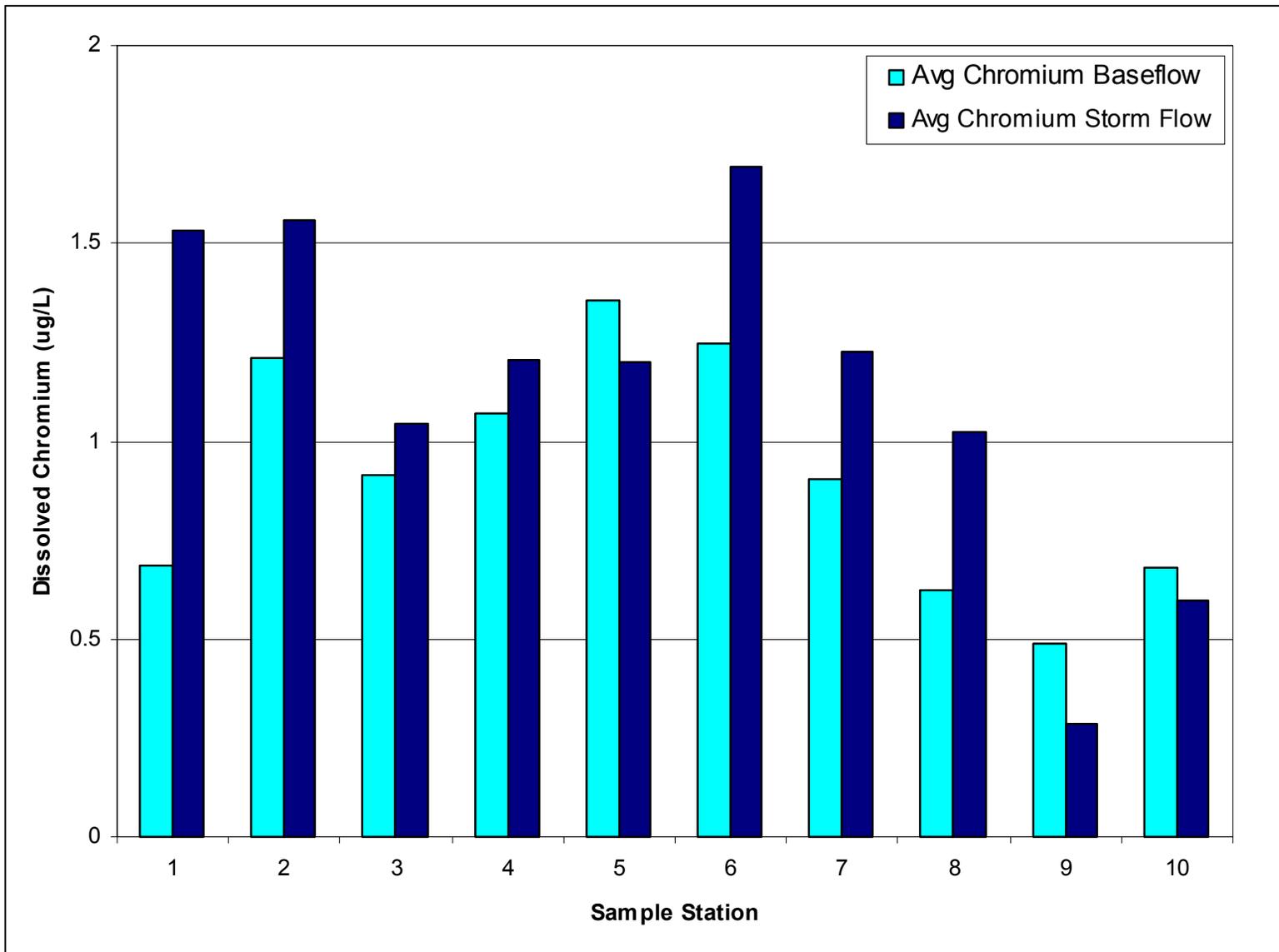


Figure 4-127: Dissolved Average Chromium During Baseflow Versus Storm Flow Conditions

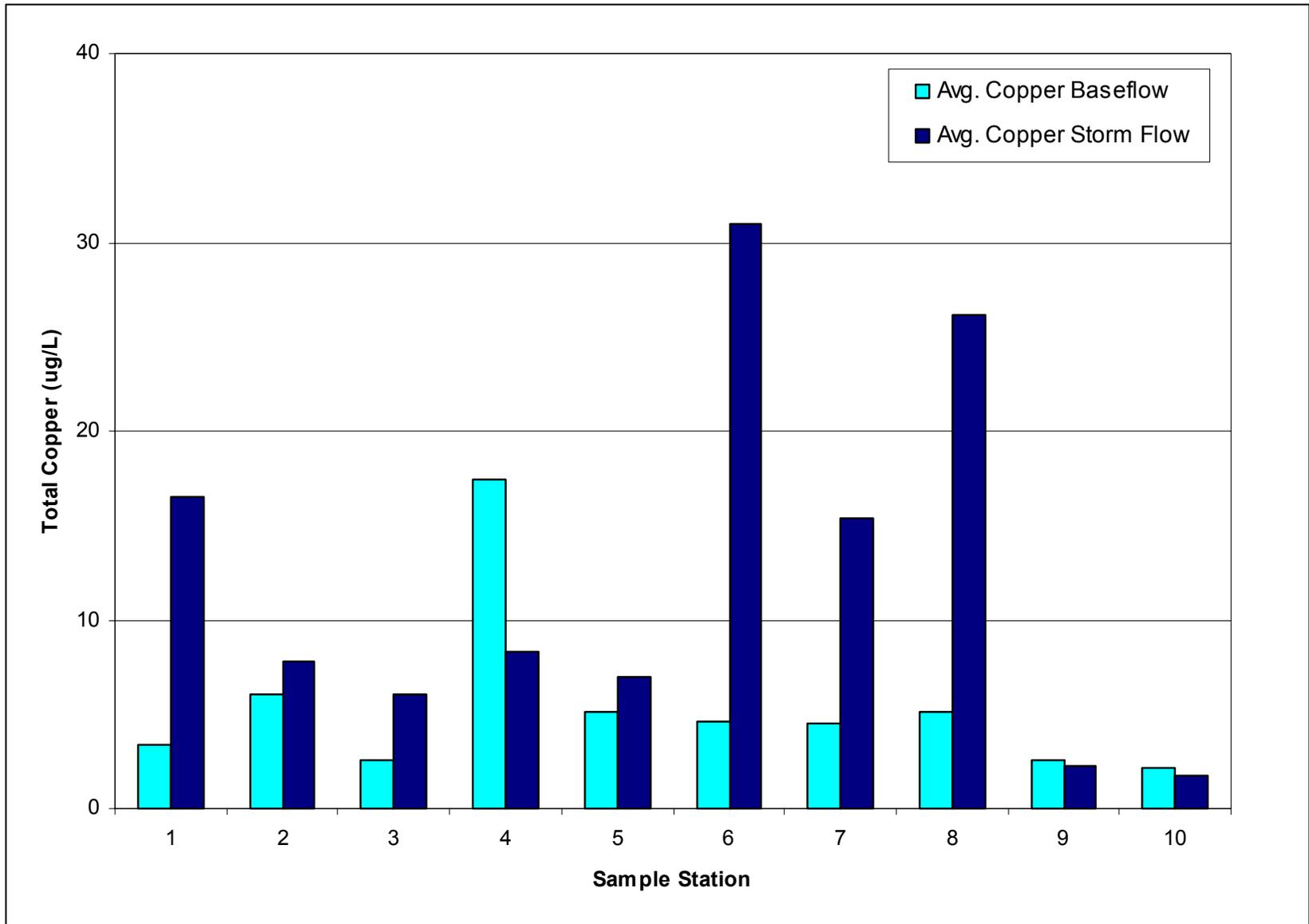


Figure 4-128: Total Average Copper During Baseflow Versus Storm Flow Conditions

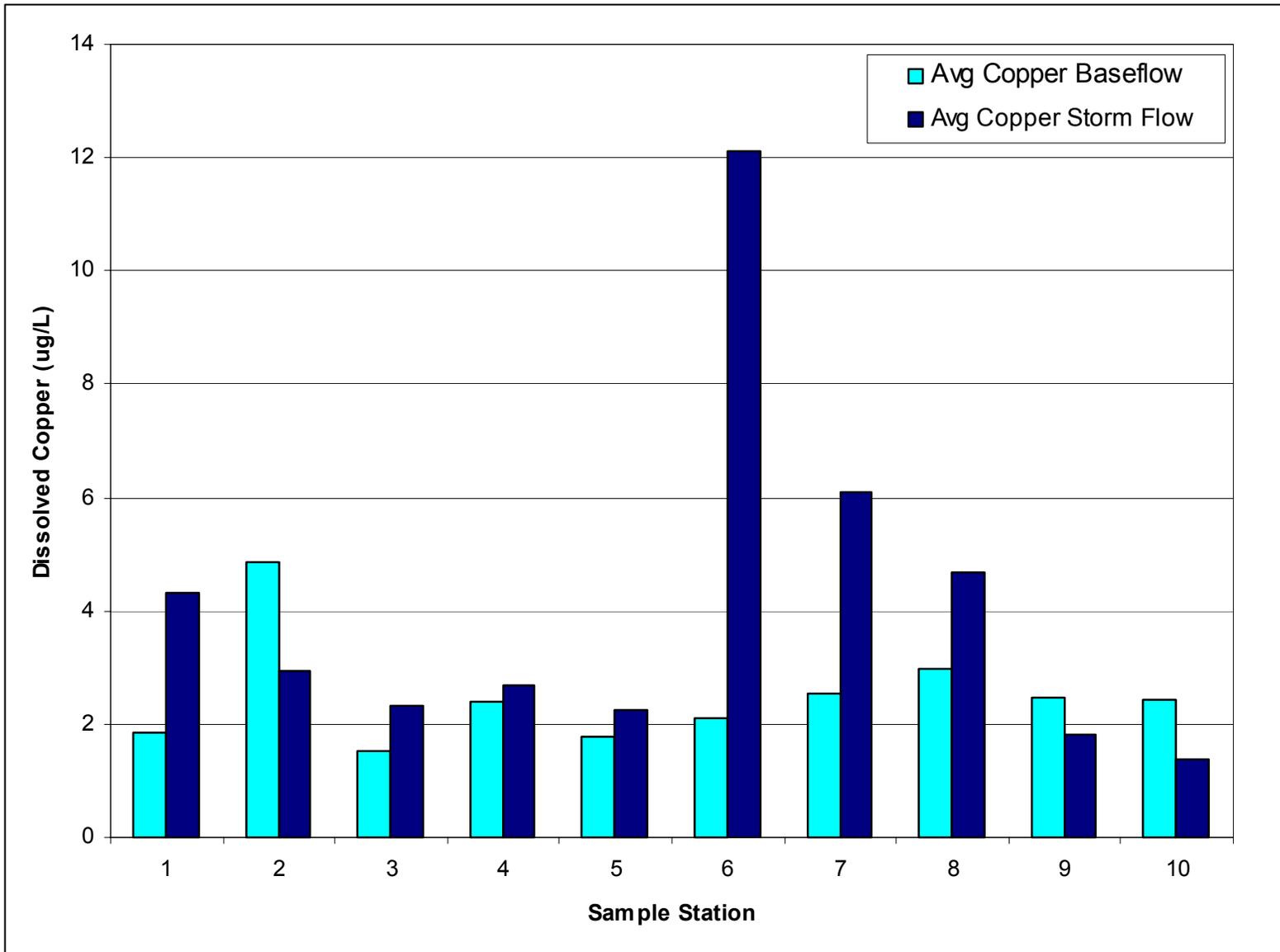


Figure 4-129: Dissolved Average Copper During Baseflow Versus Storm Flow Conditions

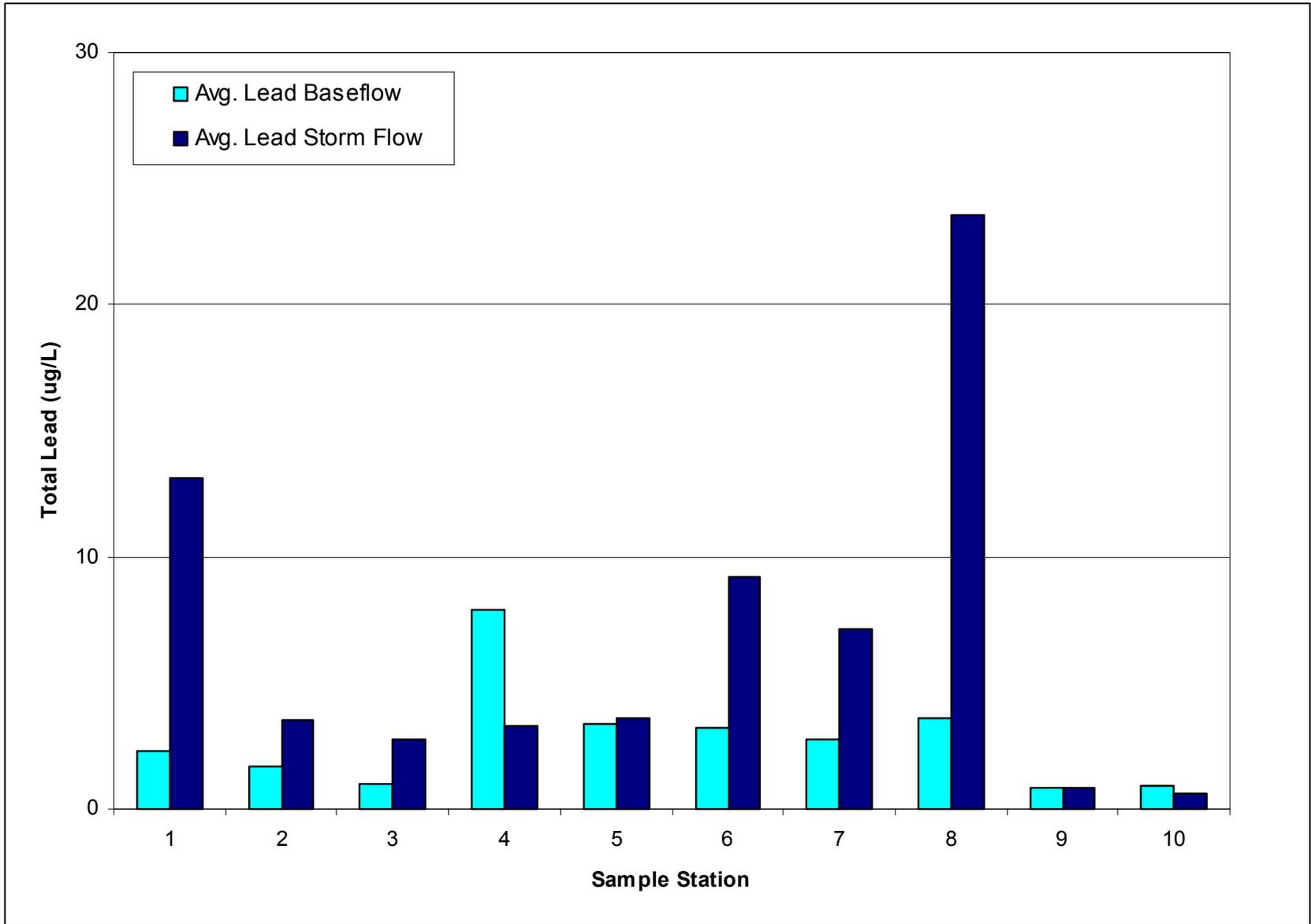


Figure 4-130: Total Average Lead During Baseflow Versus Storm Flow Conditions

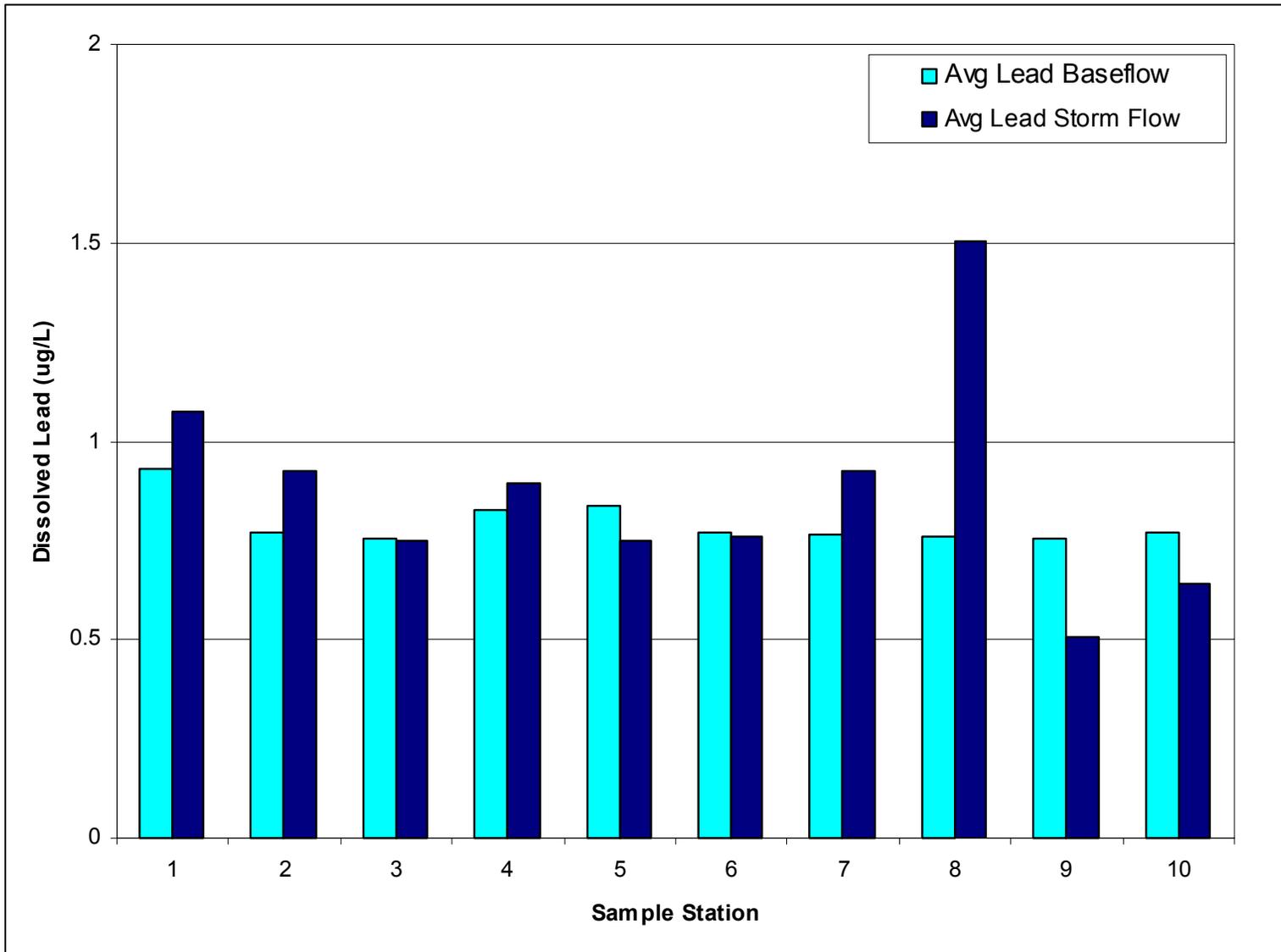


Figure 4-131: Dissolved Average Lead During Baseflow Versus Storm Flow Conditions

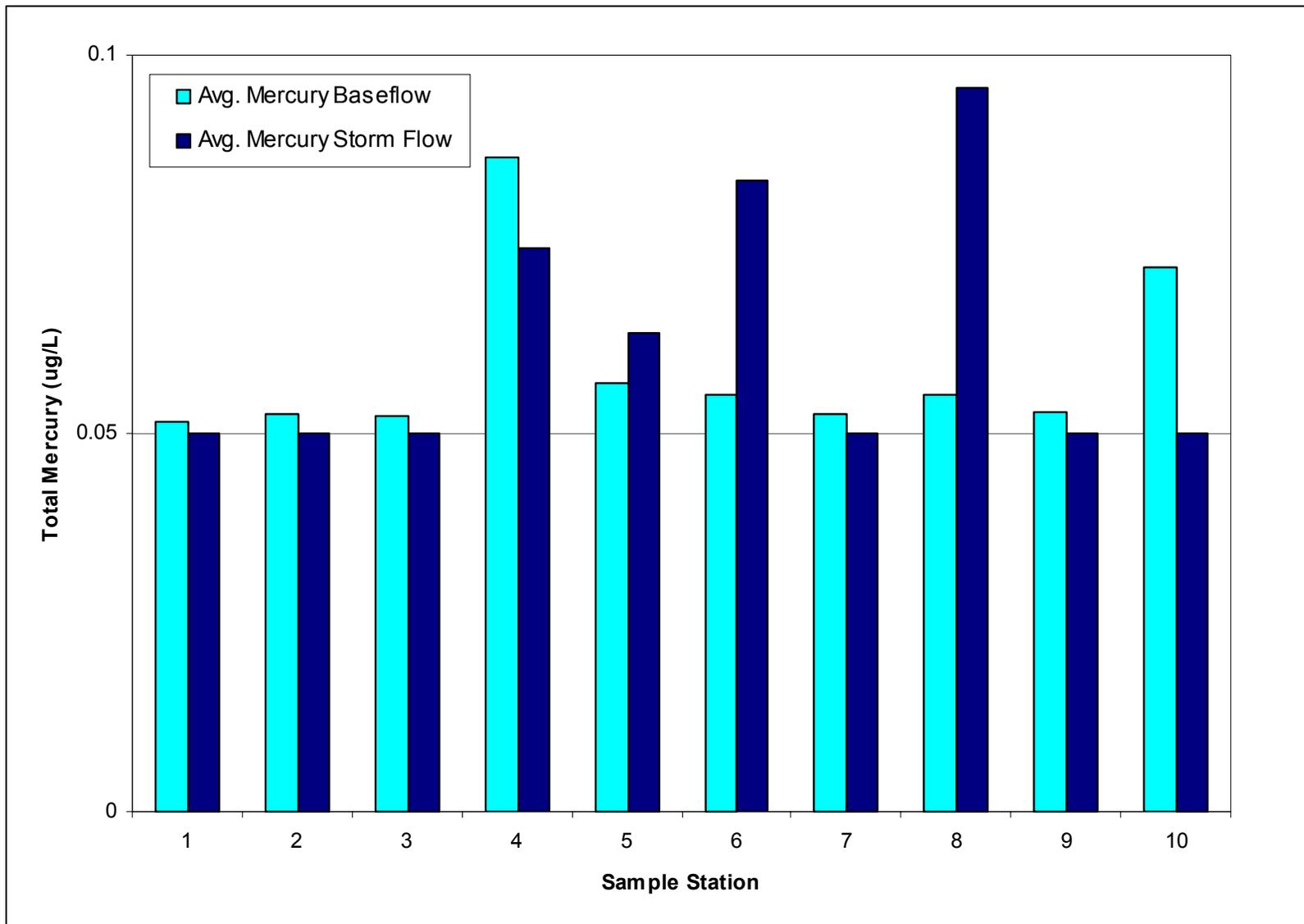


Figure 4-132: Total Average Mercury During Baseflow Versus Storm Flow Conditions

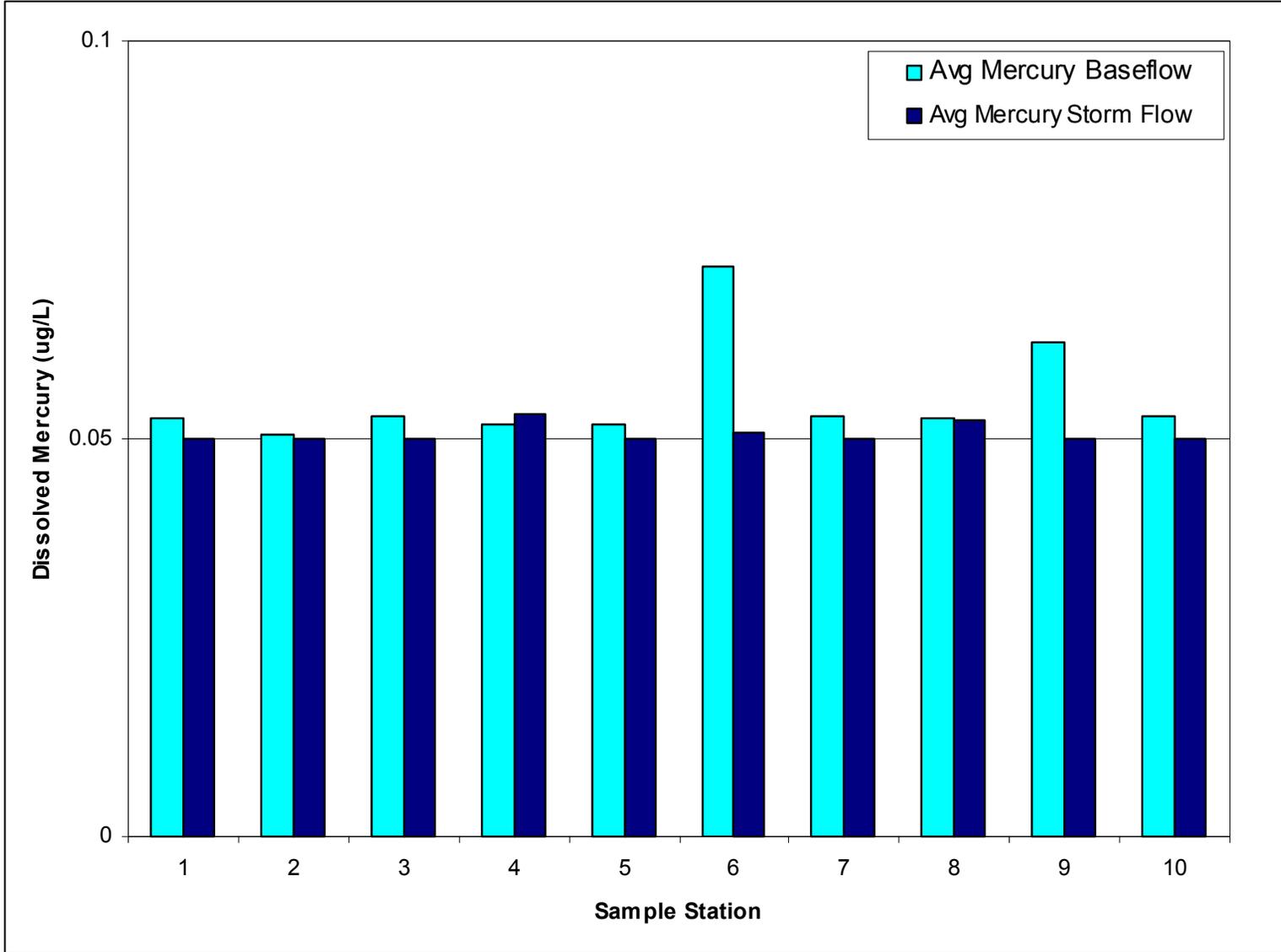


Figure 4-133: Dissolved Average Mercury During Baseflow Versus Storm Flow Conditions

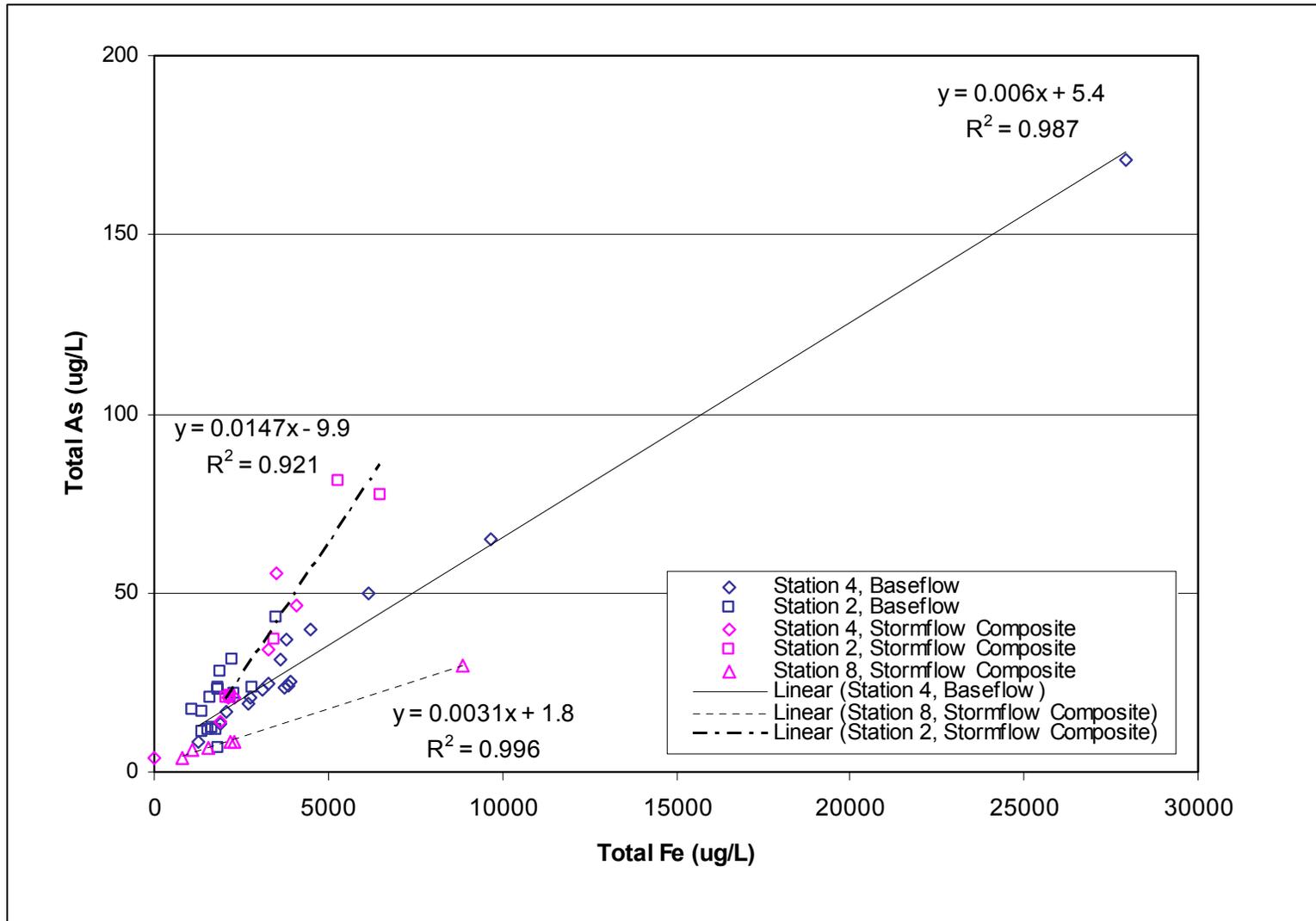


Figure 4-134: Total Arsenic Versus Total Iron Concentrations At Selected Stations During Baseflow and Storm Flow Conditions

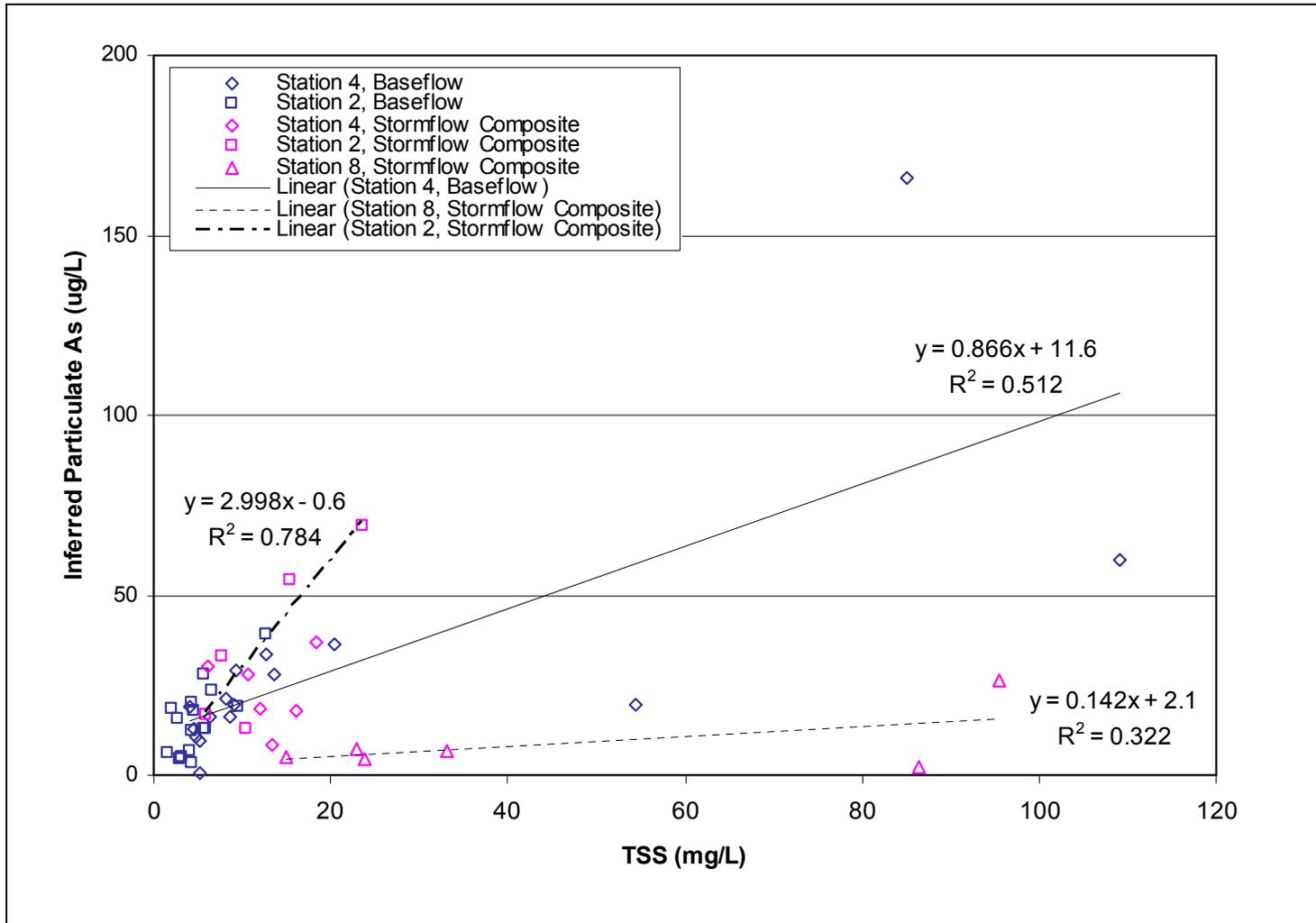


Figure 4-135: Total Arsenic Versus TSS Concentrations At Selected Stations During Baseflow and Storm Flow Conditions