

Figure 4.6.164 Box & whiskers of surface color by isohaline sampling location (all flows)

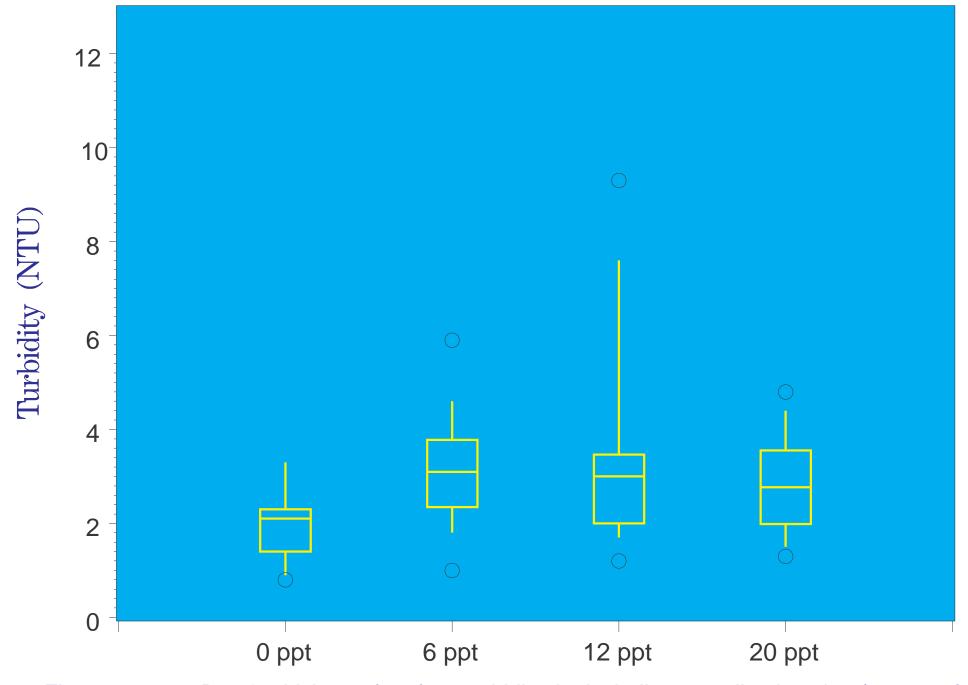


Figure 4.6.165 Box & whiskers of surface turbidity by isohaline sampling location (0 to 90 cfs)

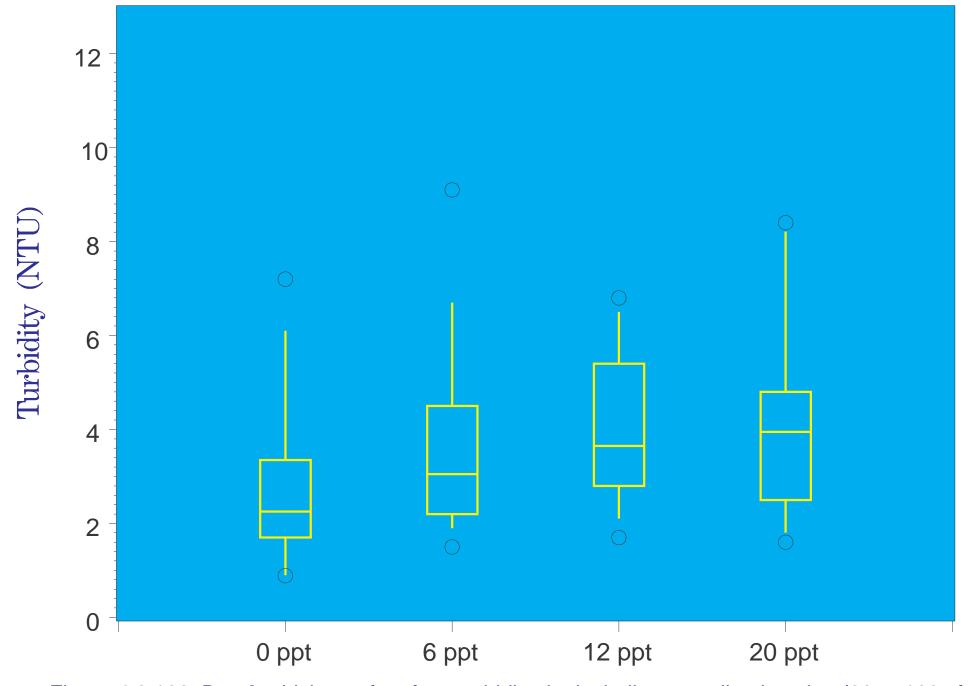


Figure 4.6.166 Box & whiskers of surface turbidity by isohaline sampling location (90 to 160 cfs)

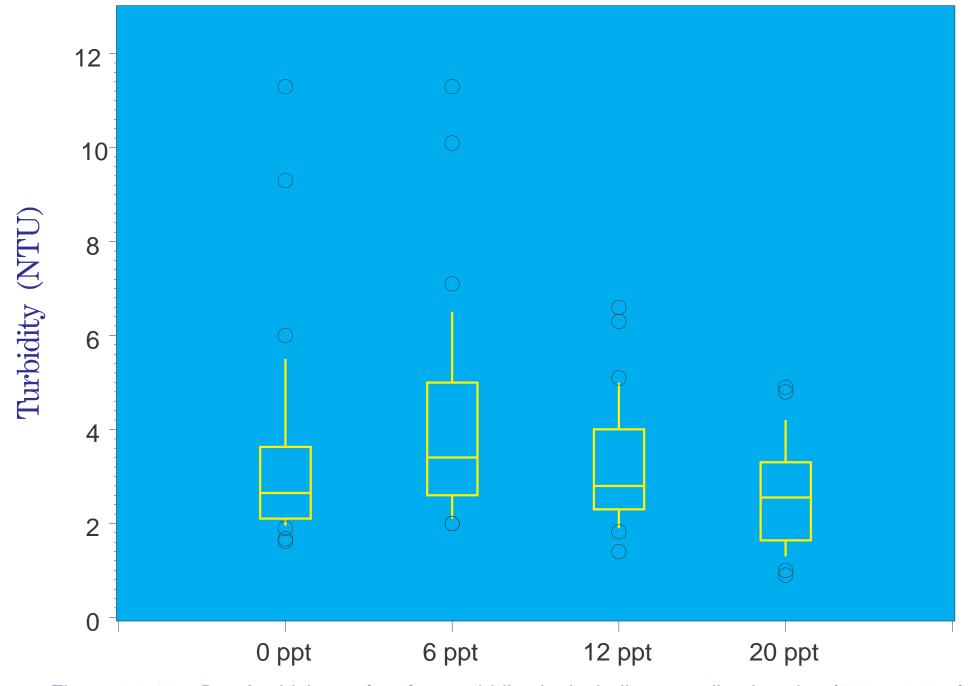


Figure 4.6.167 Box & whiskers of surface turbidity by isohaline sampling location (160 to 360 cfs)

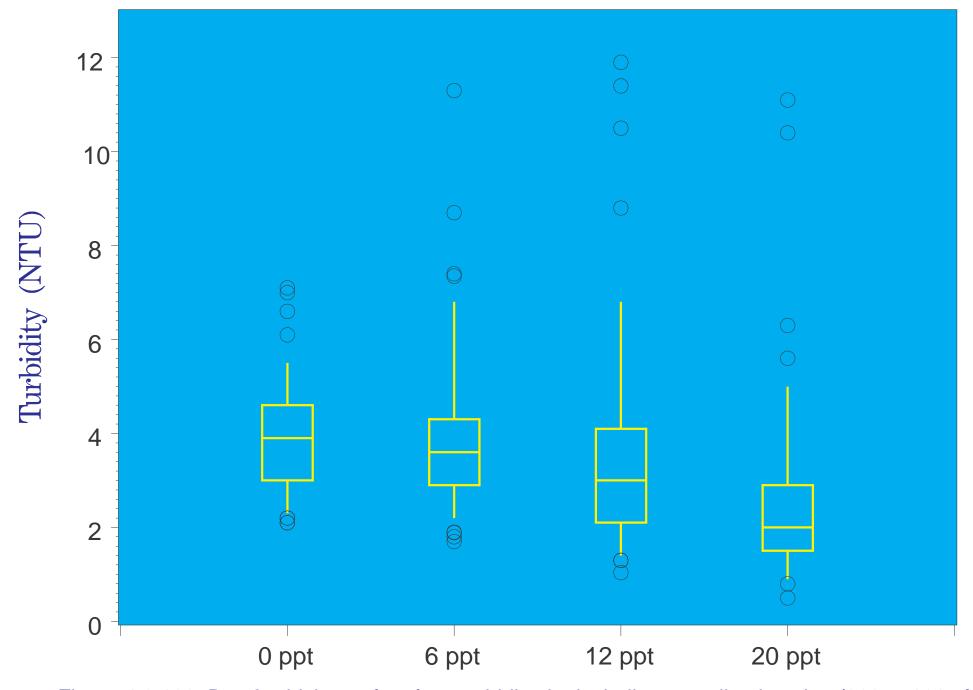


Figure 4.6.168 Box & whiskers of surface turbidity by isohaline sampling location (360 to 920 cfs)

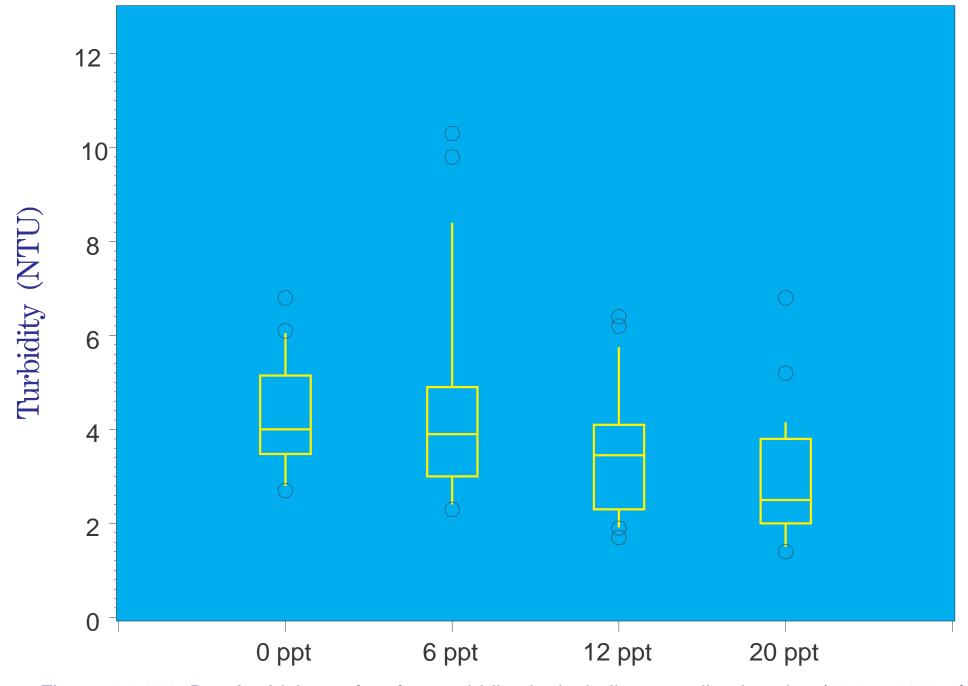


Figure 4.6.169 Box & whiskers of surface turbidity by isohaline sampling location (920 to 2100 cfs)

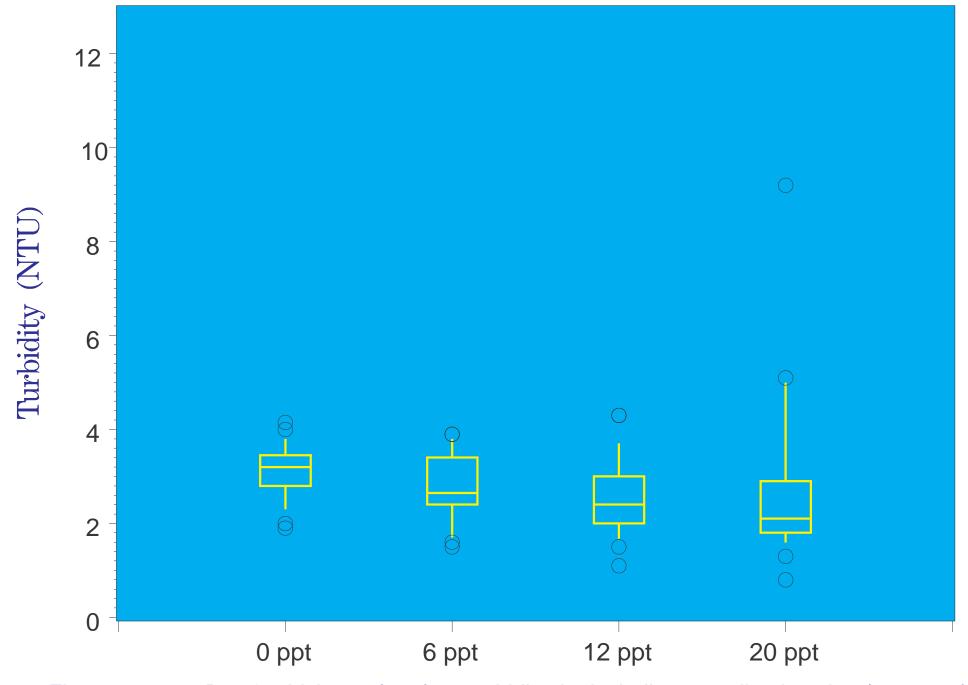


Figure 4.6.170 Box & whiskers of surface turbidity by isohaline sampling location (> 2100 cfs)

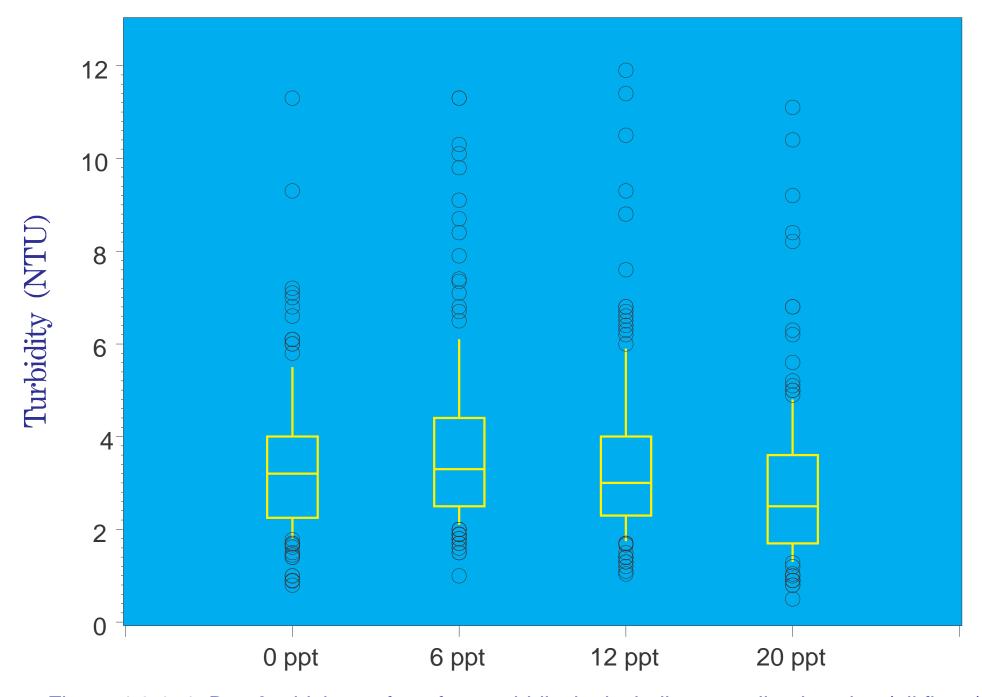


Figure 4.6.171 Box & whiskers of surface turbidity by isohaline sampling location (all flows)

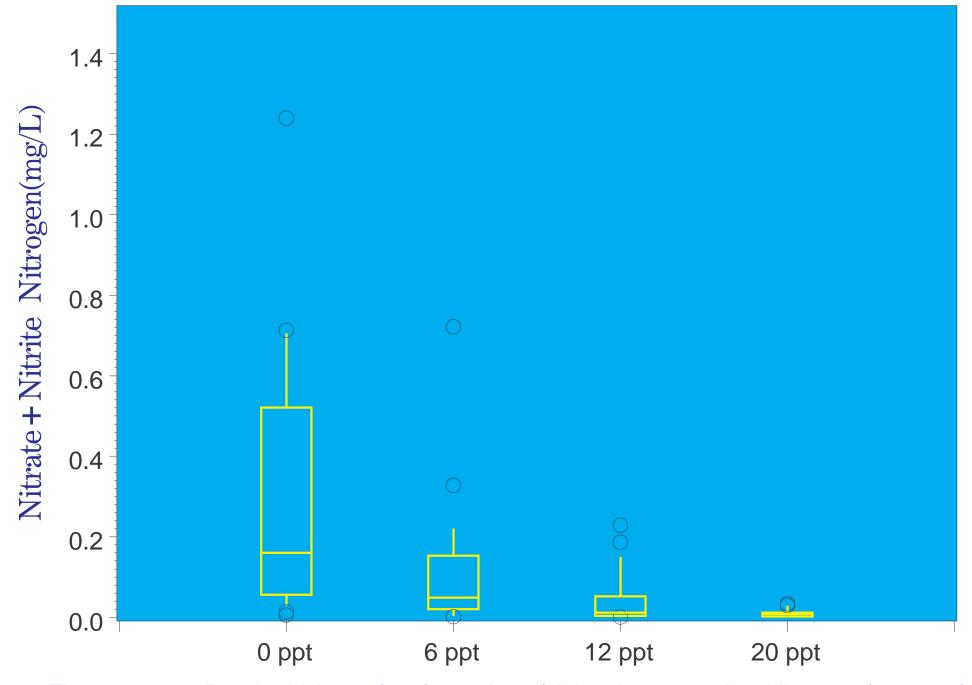


Figure 4.6.172 Box & whiskers of surface nitrate/nitrite nitrogen at river kilometer (0 to 90 cfs)

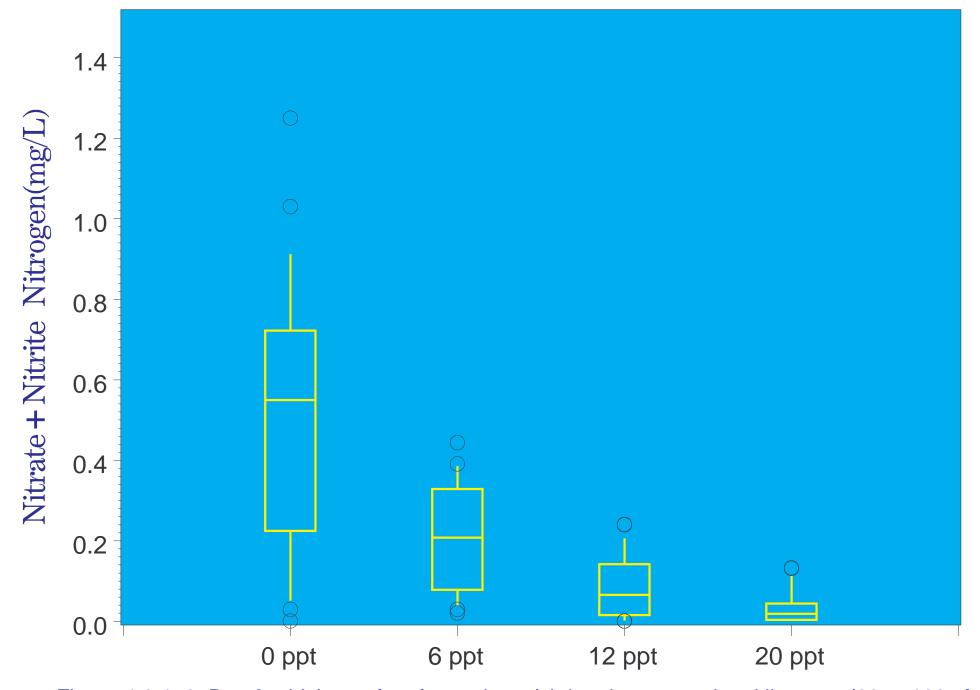


Figure 4.6.173 Box & whiskers of surface nitrate/nitrite nitrogen at river kilometer (90 to 160 cfs)

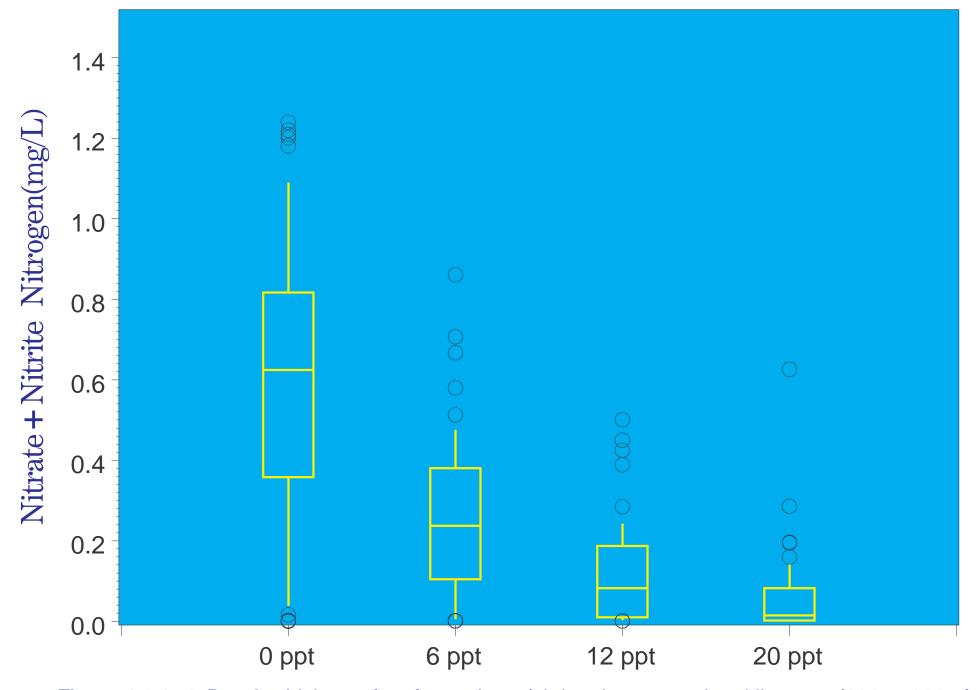


Figure 4.6.174 Box & whiskers of surface nitrate/nitrite nitrogen at river kilometer (160 to 360 cfs)

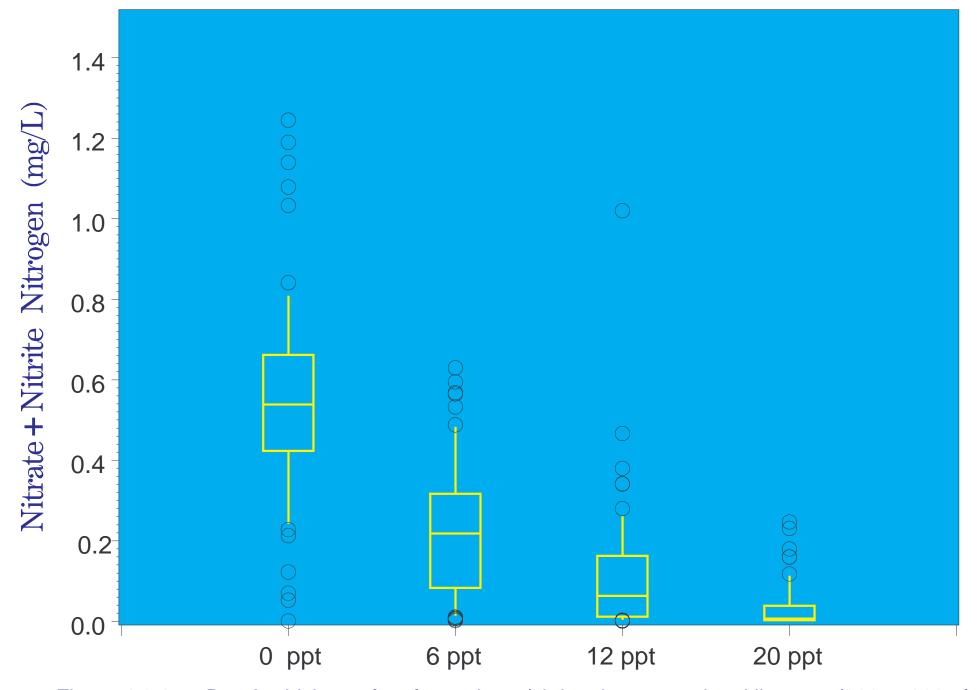


Figure 4.6.175 Box & whiskers of surface nitrate/nitrite nitrogen at river kilometer (360 to 920 cfs)

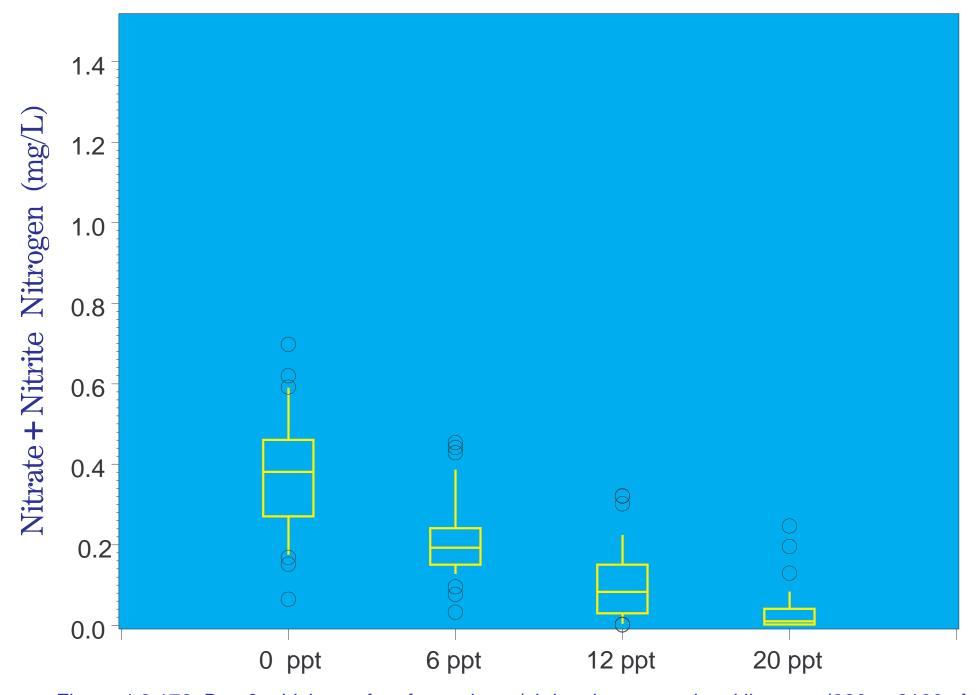


Figure 4.6.176 Box & whiskers of surface nitrate/nitrite nitrogen at river kilometer (920 to 2100 cfs)

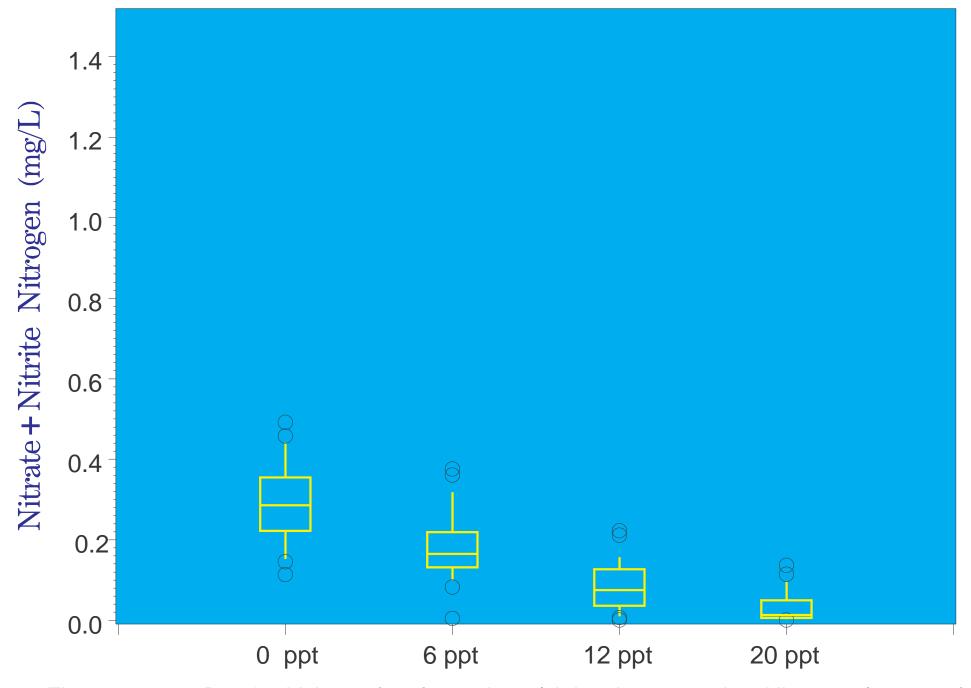


Figure 4.6.177 Box & whiskers of surface nitrate/nitrite nitrogen at river kilometer (> 2100 cfs)

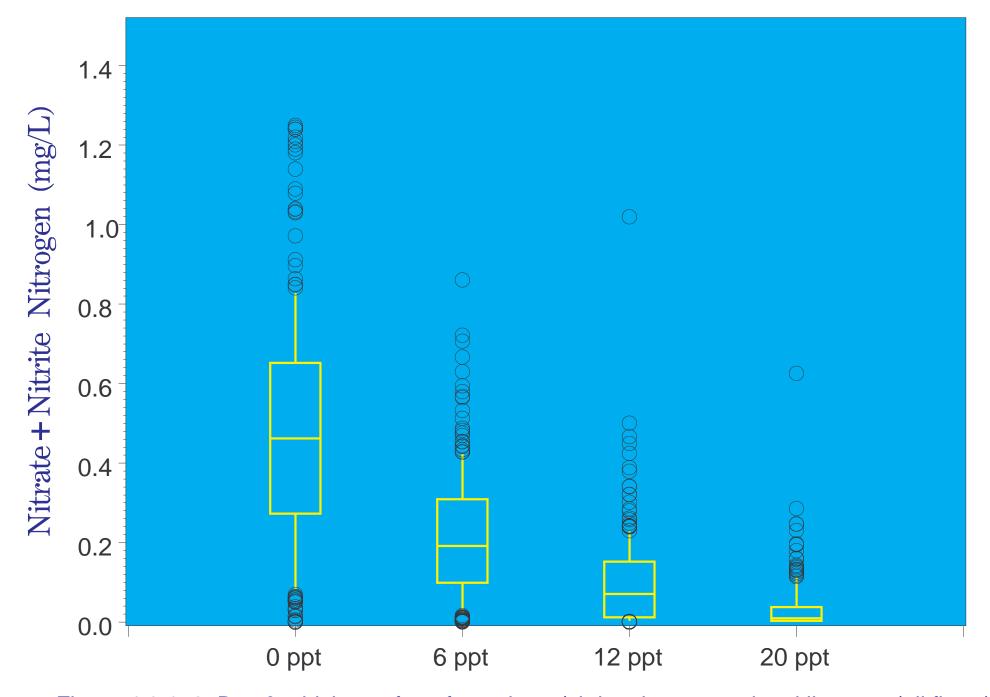


Figure 4.6.178 Box & whiskers of surface nitrate/nitrite nitrogen at river kilometer (all flows)

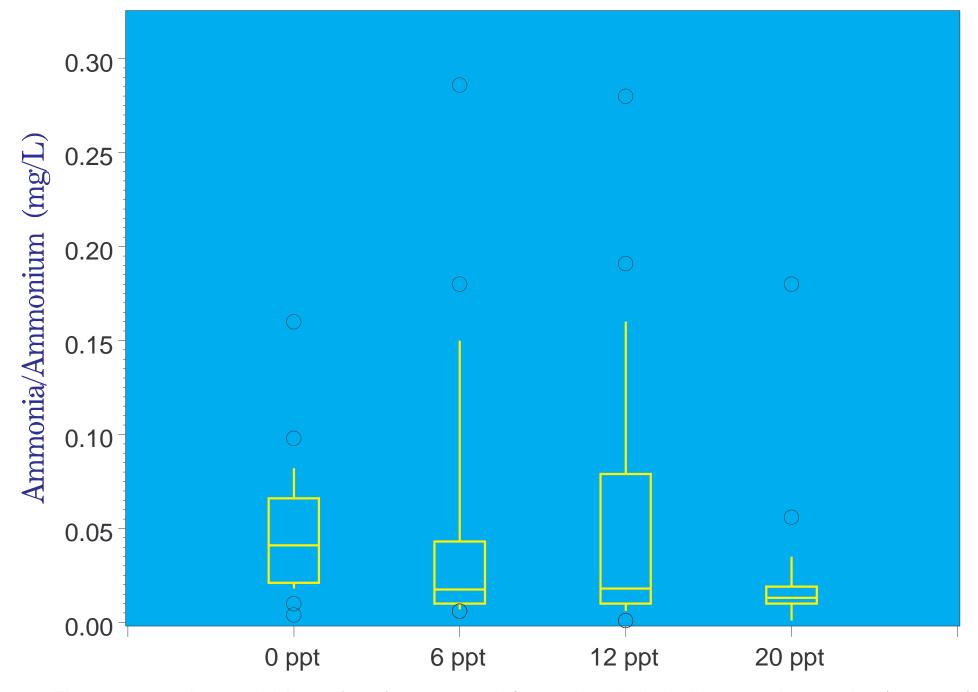


Figure 4.6.179 Box & whiskers of surface ammonia/ammonium by isohaline sampling location (0 to 90 cfs)

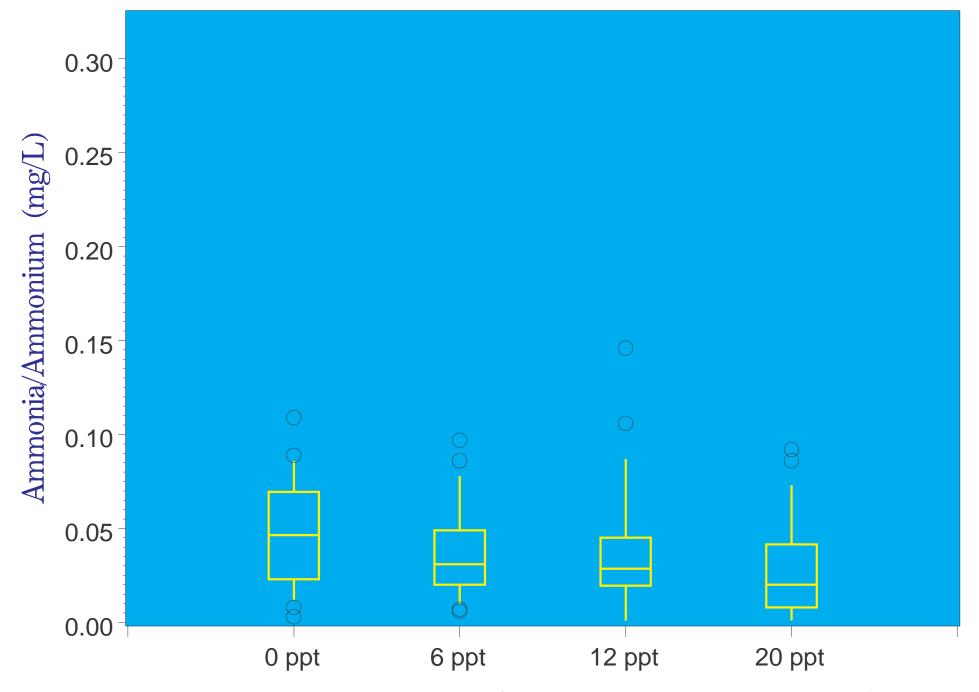


Figure 4.6.180 Box & whiskers of surface ammonia/ammonium by isohaline sampling location (90 to 160 cfs)

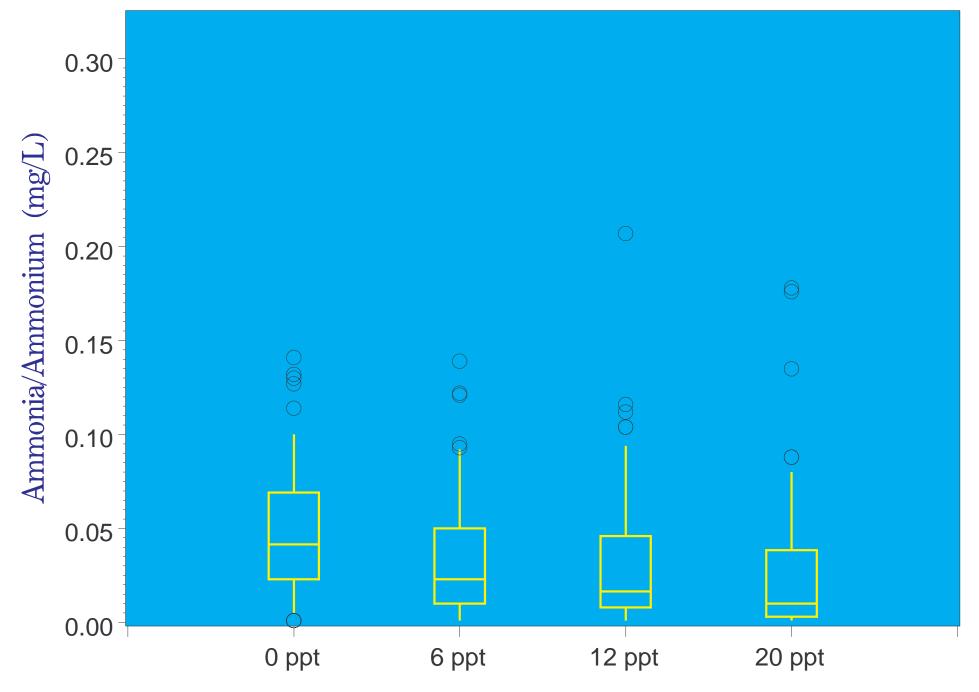


Figure 4.6.181 Box & whiskers of surface ammonia/ammonium by isohaline sampling location (160 to 360 cfs)

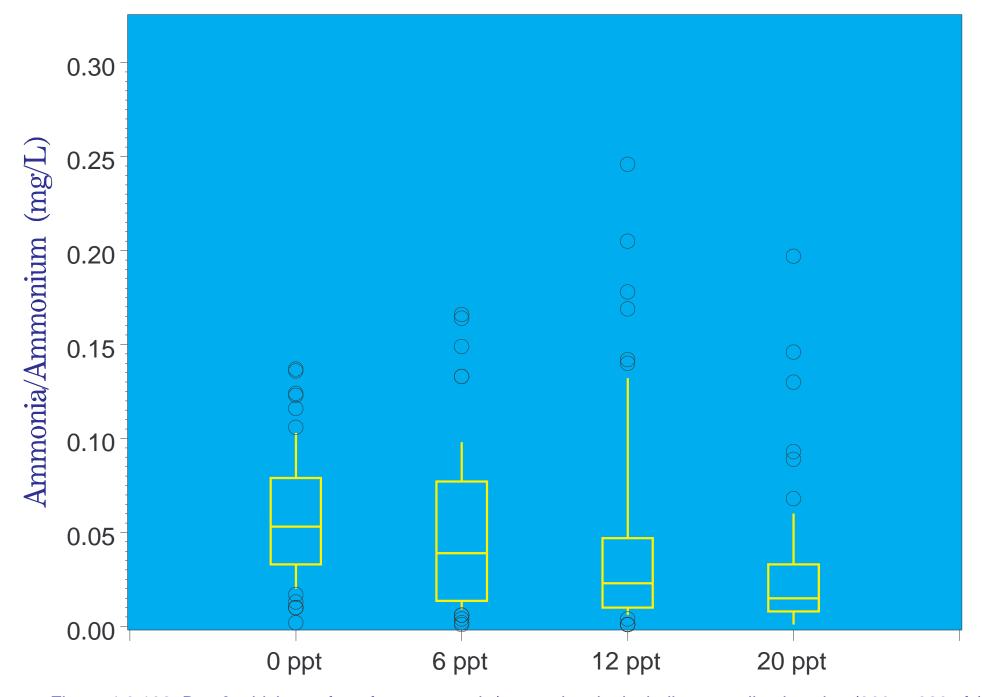


Figure 4.6.182 Box & whiskers of surface ammonia/ammonium by isohaline sampling location (360 to 920 cfs)

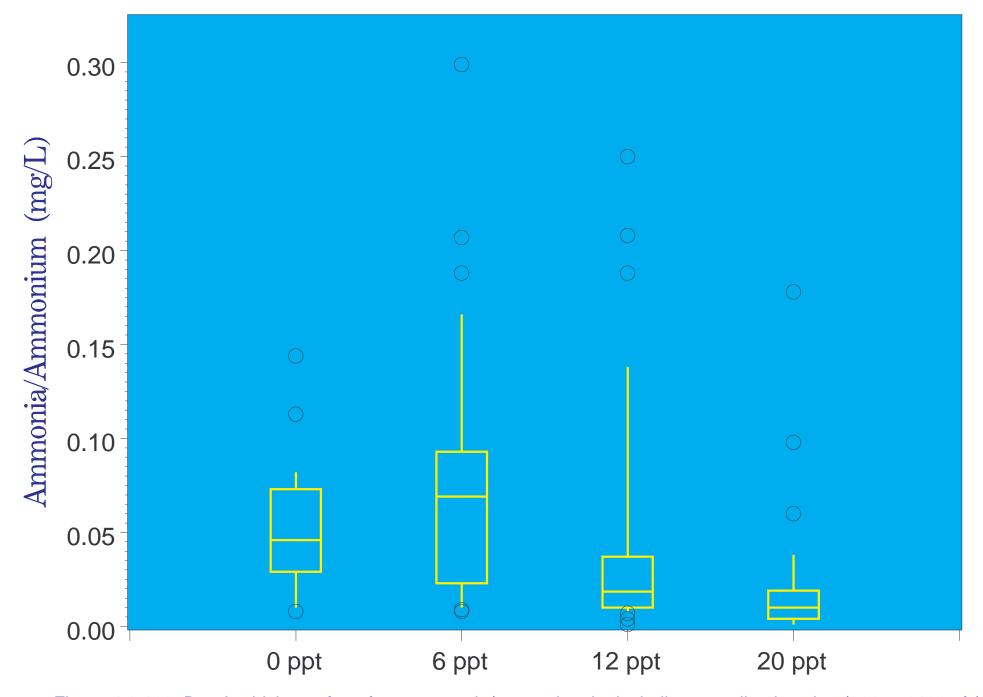


Figure 4.6.183 Box & whiskers of surface ammonia/ammonium by isohaline sampling location (920 to 2100 cfs)

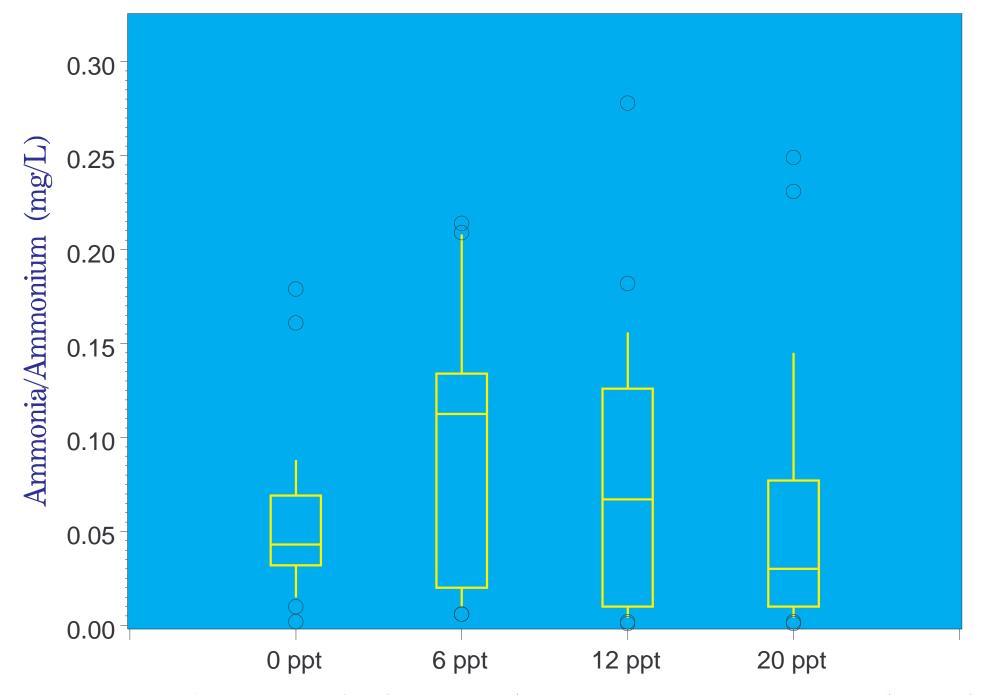


Figure 4.6.184 Box & whiskers of surface ammonia/ammonium by isohaline sampling location (> 2100 cfs)

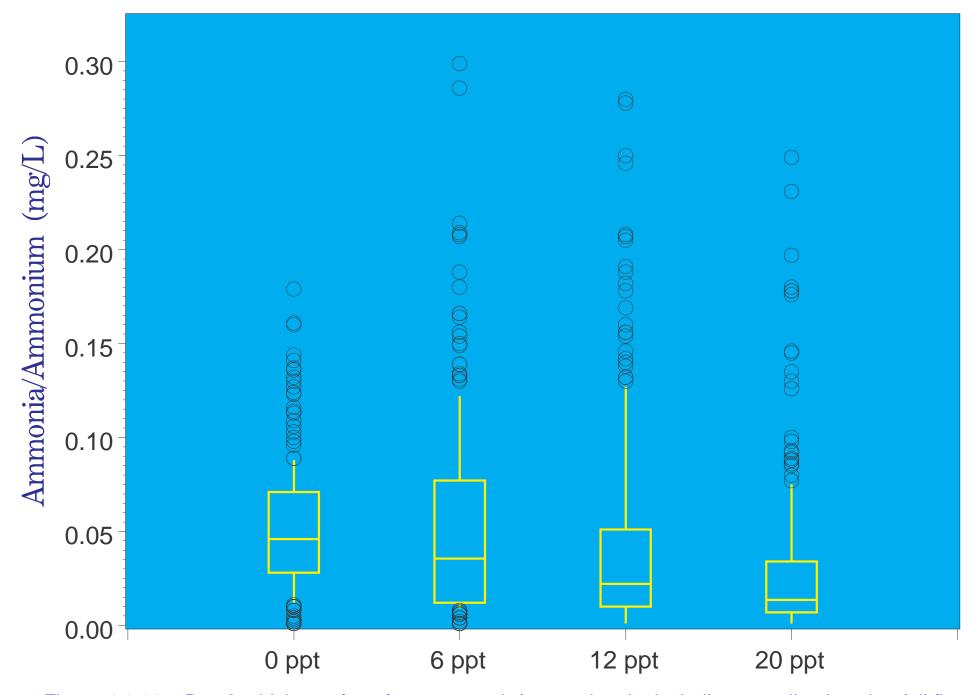


Figure 4.6.185 Box & whiskers of surface ammonia/ammonium by isohaline sampling location (all flows)

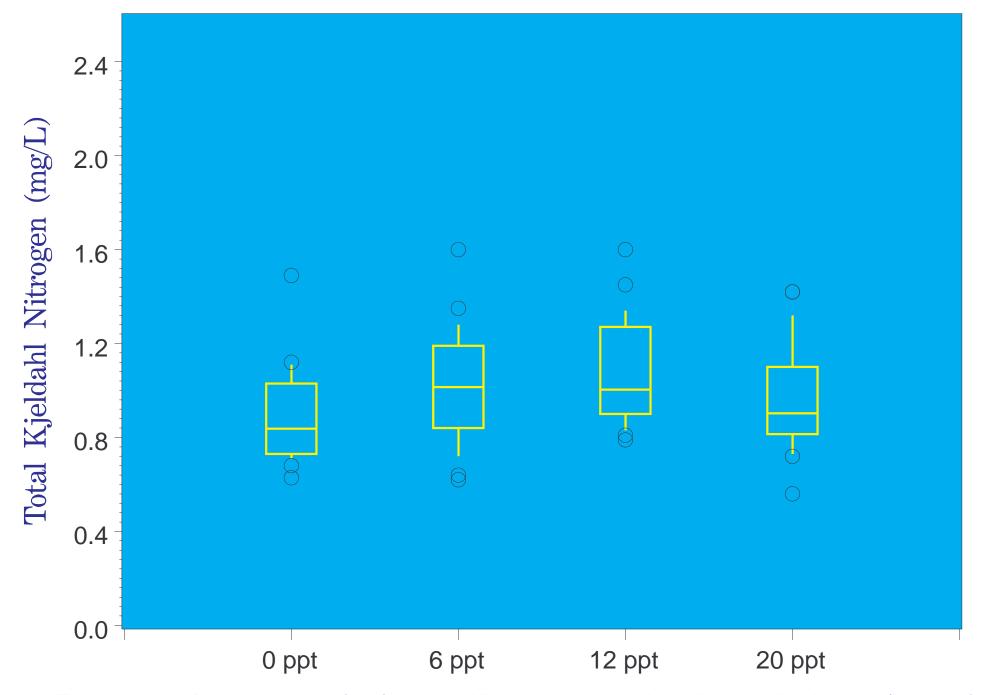


Figure 4.6.186 Box & whiskers of surface total Kjeldahl nitrogen by isohaline sampling location (0 to 90 cfs)

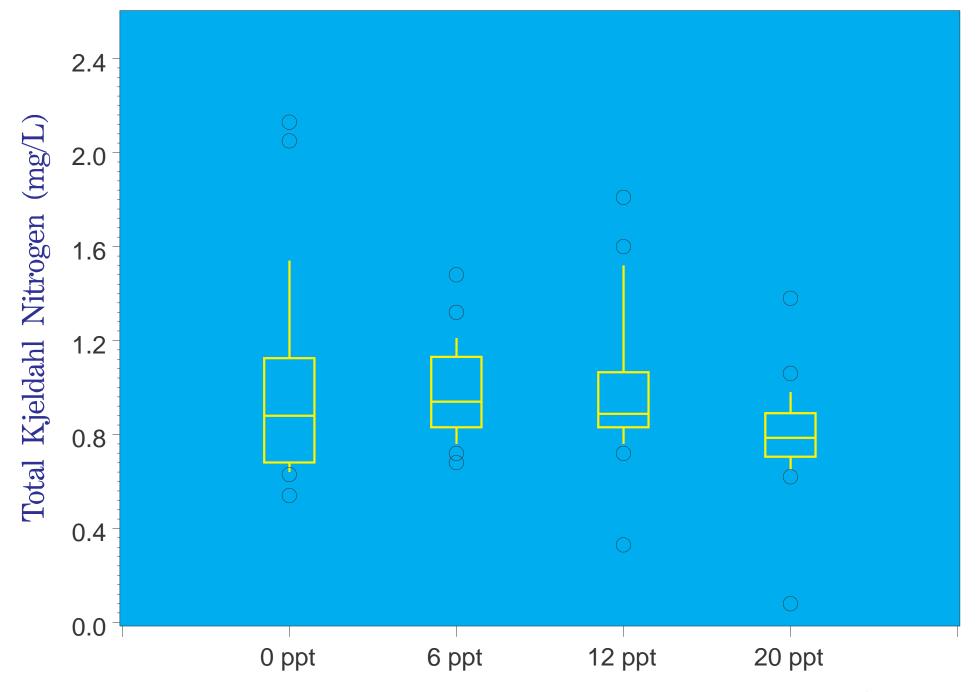


Figure 4.6.187 Box & whiskers of surface total Kjeldahl nitrogen by isohaline sampling location (90 to 160 cfs)

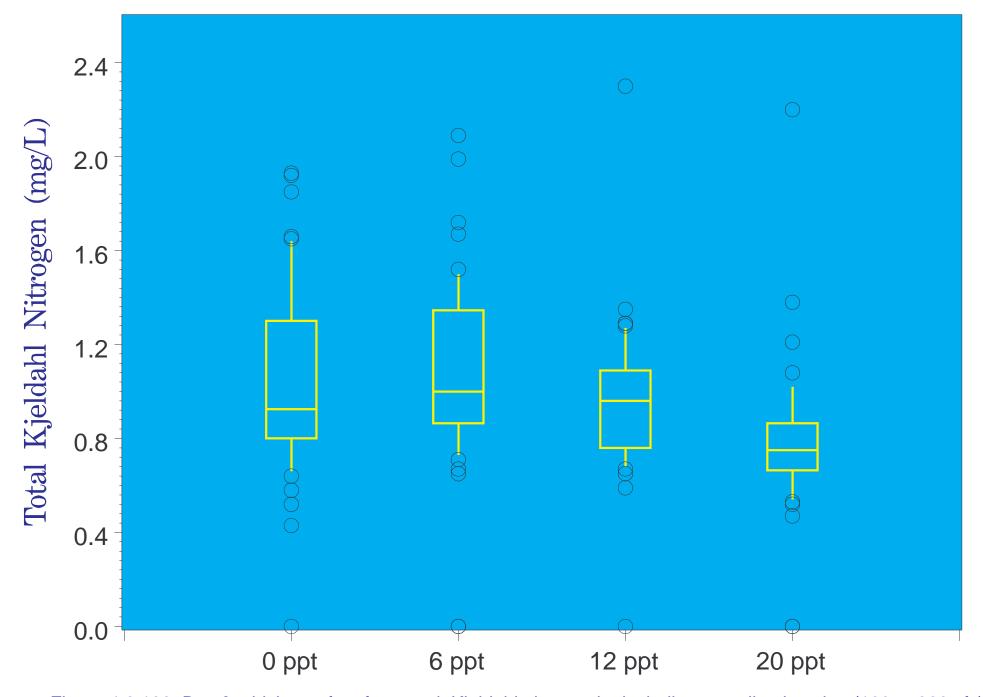


Figure 4.6.188 Box & whiskers of surface total Kjeldahl nitrogen by isohaline sampling location (160 to 360 cfs)

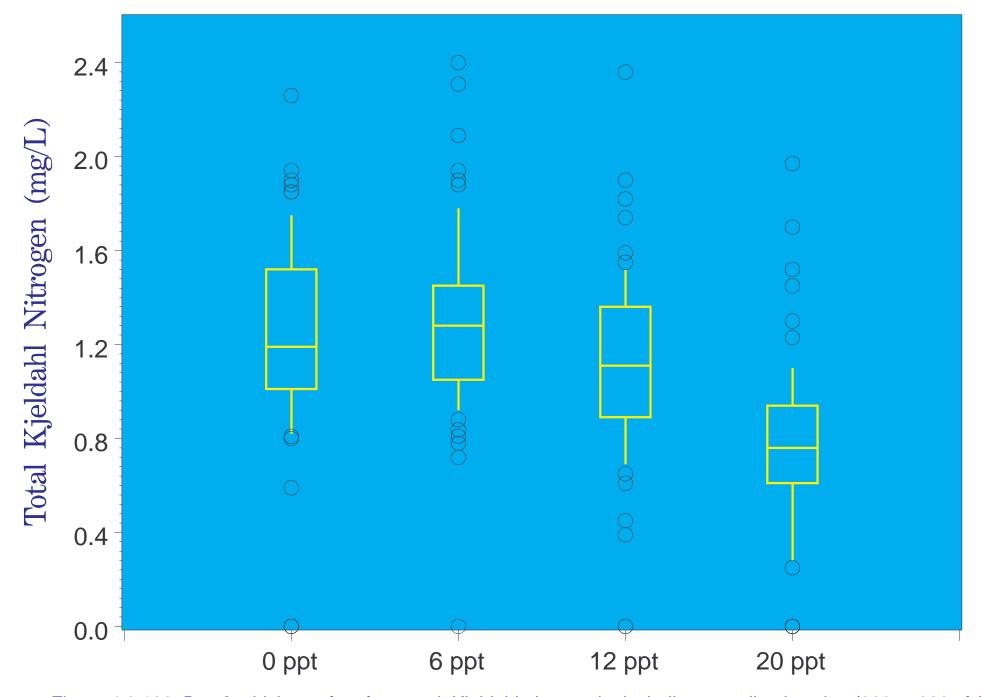


Figure 4.6.189 Box & whiskers of surface total Kjeldahl nitrogen by isohaline sampling location (360 to 920 cfs)

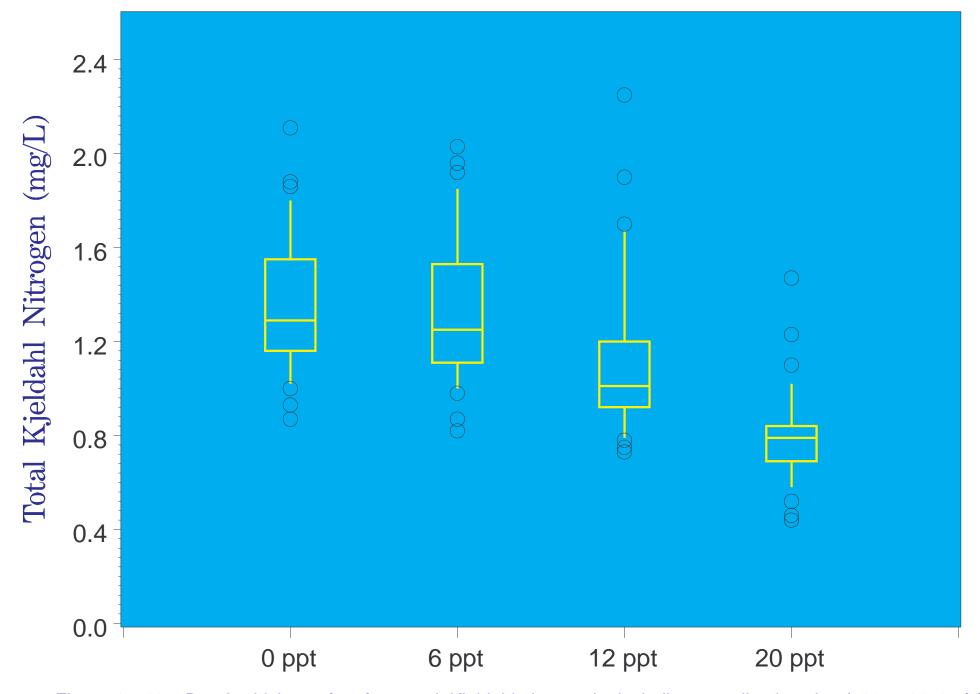


Figure 4.6.190 Box & whiskers of surface total Kjeldahl nitrogen by isohaline sampling location (920 to 2100 cfs)

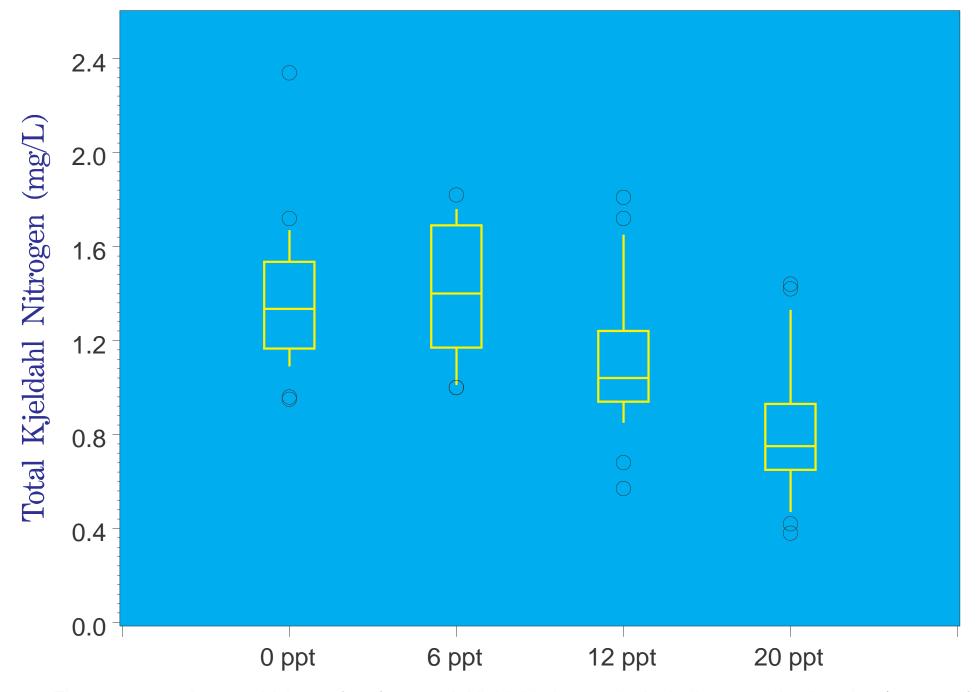


Figure 4.6.191 Box & whiskers of surface total Kjeldahl nitrogen by isohaline sampling location (> 2100 cfs)

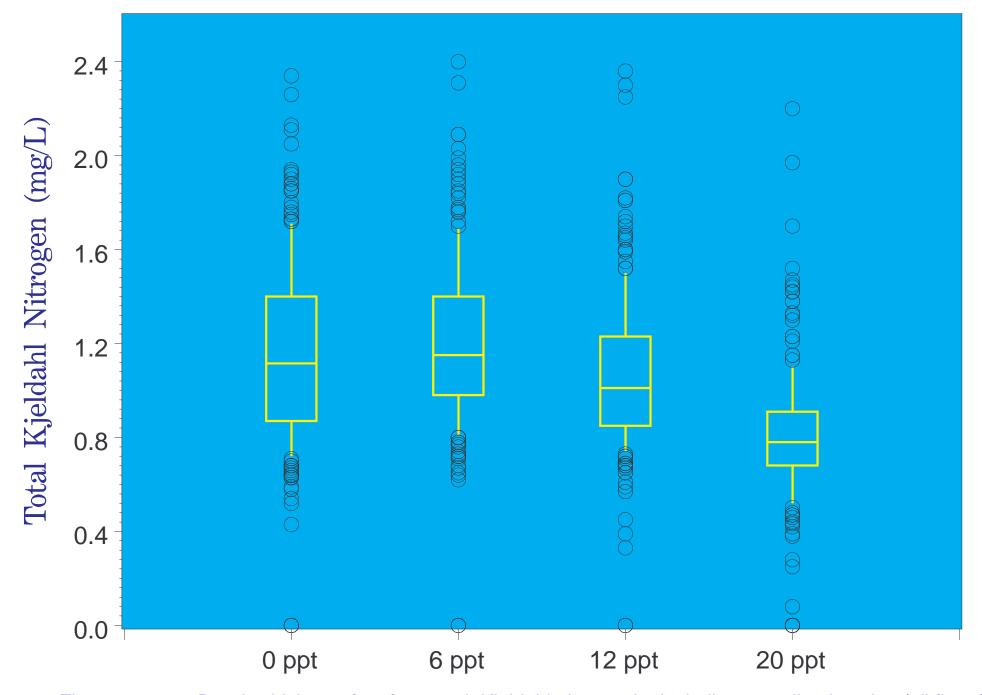


Figure 4.6.192 Box & whiskers of surface total Kjeldahl nitrogen by isohaline sampling location (all flows)

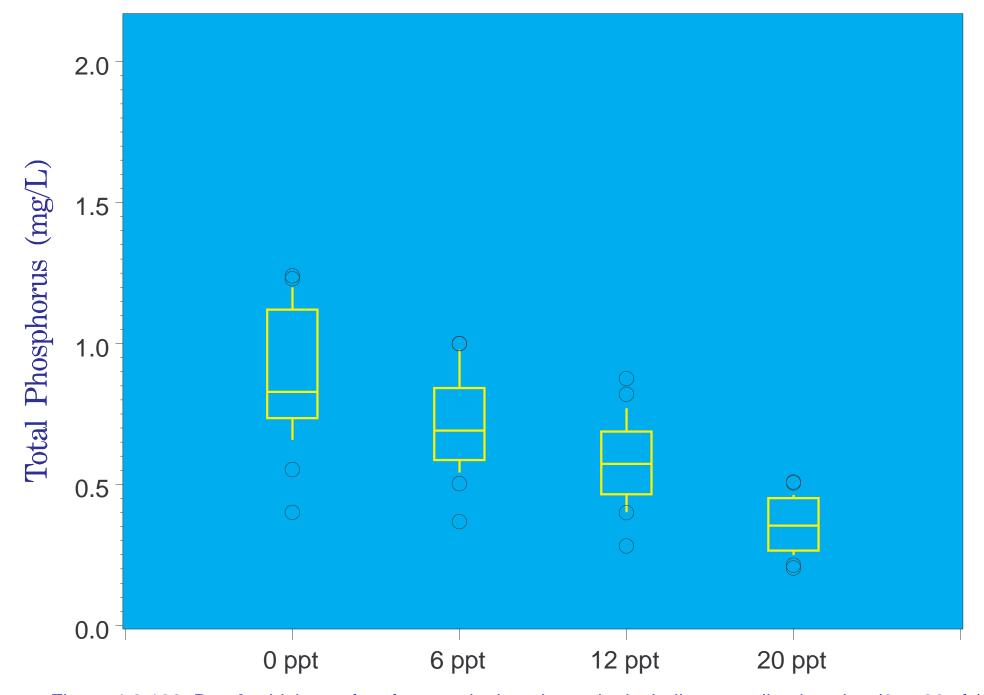


Figure 4.6.193 Box & whiskers of surface total phosphorus by isohaline sampling location (0 to 90 cfs)

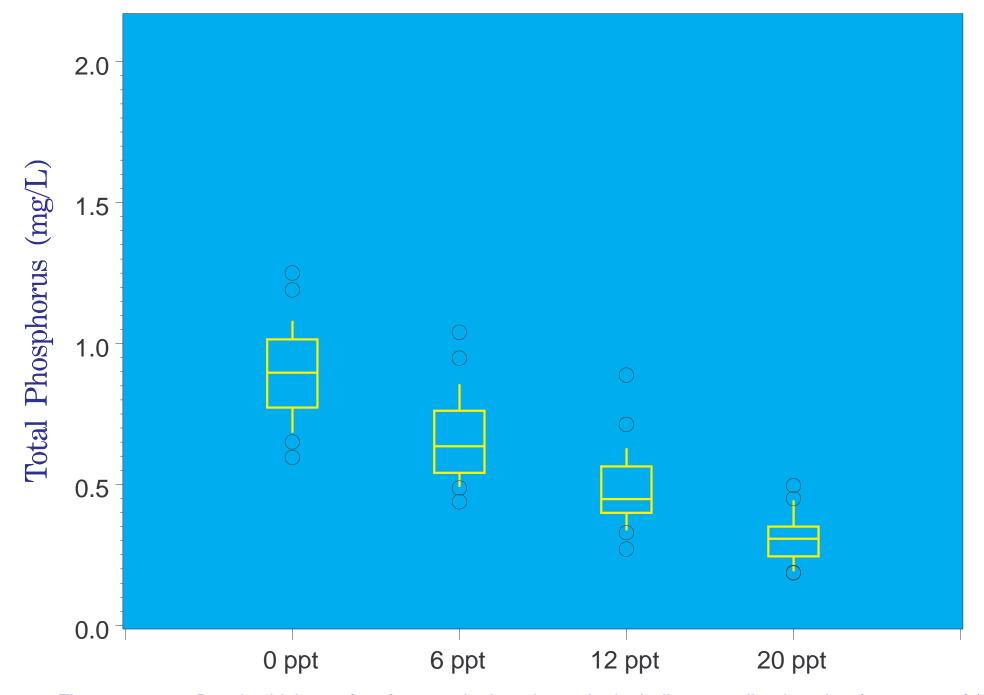


Figure 4.6.194 Box & whiskers of surface total phosphorus by isohaline sampling location (90 to 160 cfs)

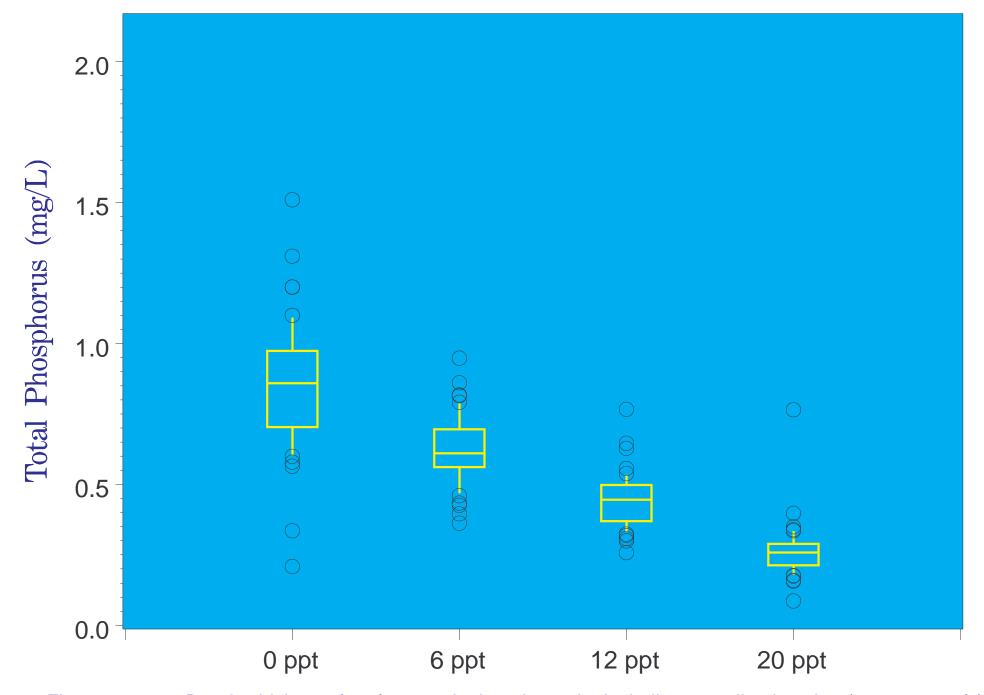


Figure 4.6.195 Box & whiskers of surface total phosphorus by isohaline sampling location (160 to 360 cfs)

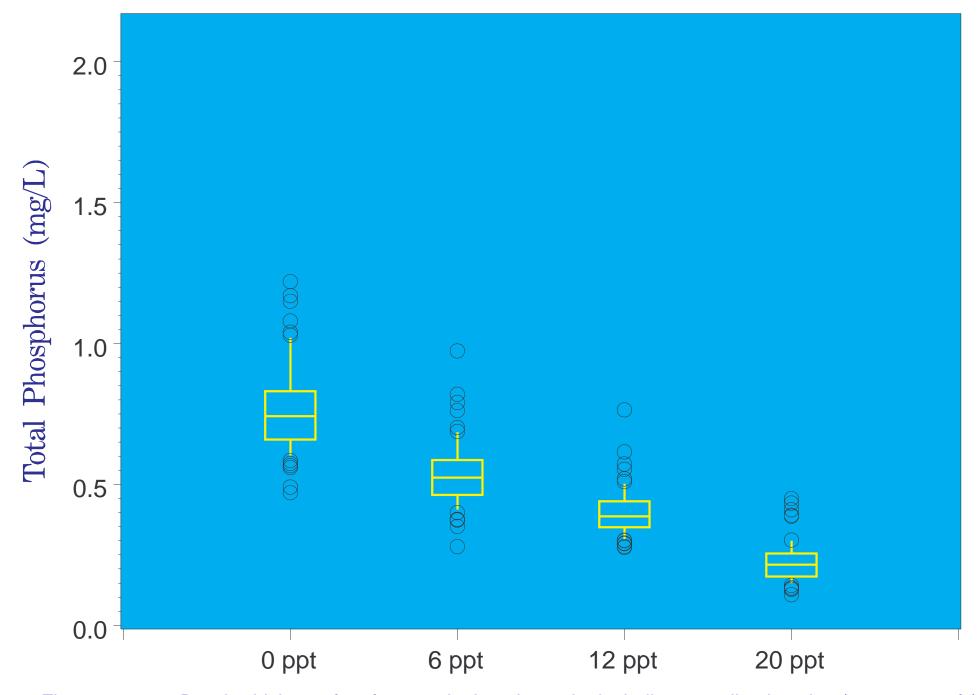


Figure 4.6.196 Box & whiskers of surface total phosphorus by isohaline sampling location (360 to 920 cfs)

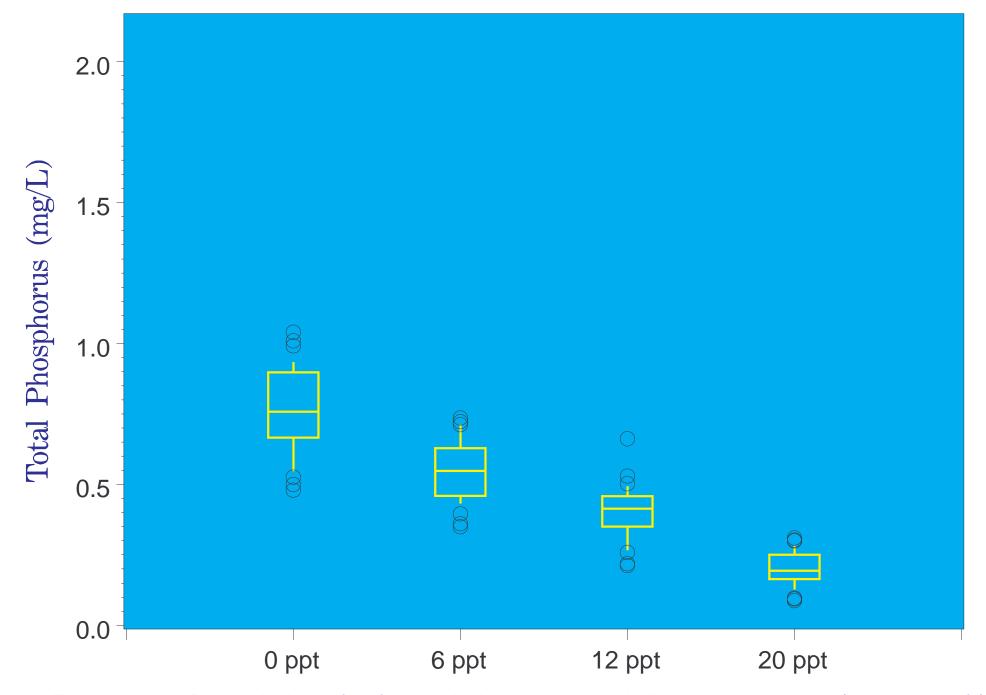


Figure 4.6.197 Box & whiskers of surface total phosphorus by isohaline sampling location (920 to 2100 cfs)

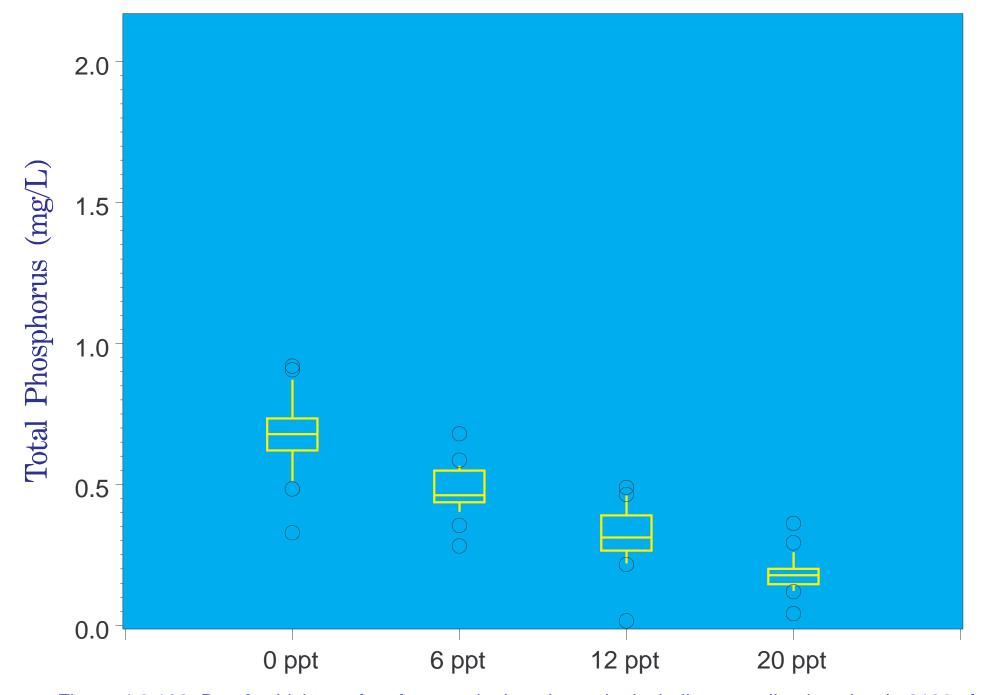


Figure 4.6.198 Box & whiskers of surface total phosphorus by isohaline sampling location (> 2100 cfs)

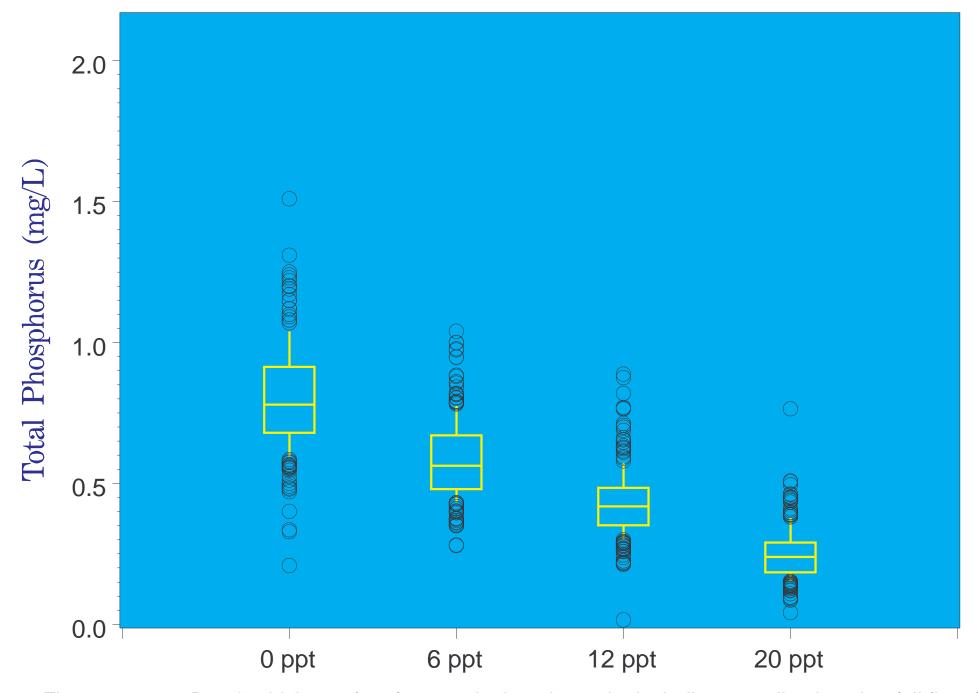


Figure 4.6.199 Box & whiskers of surface total phosphorus by isohaline sampling location (all flows)

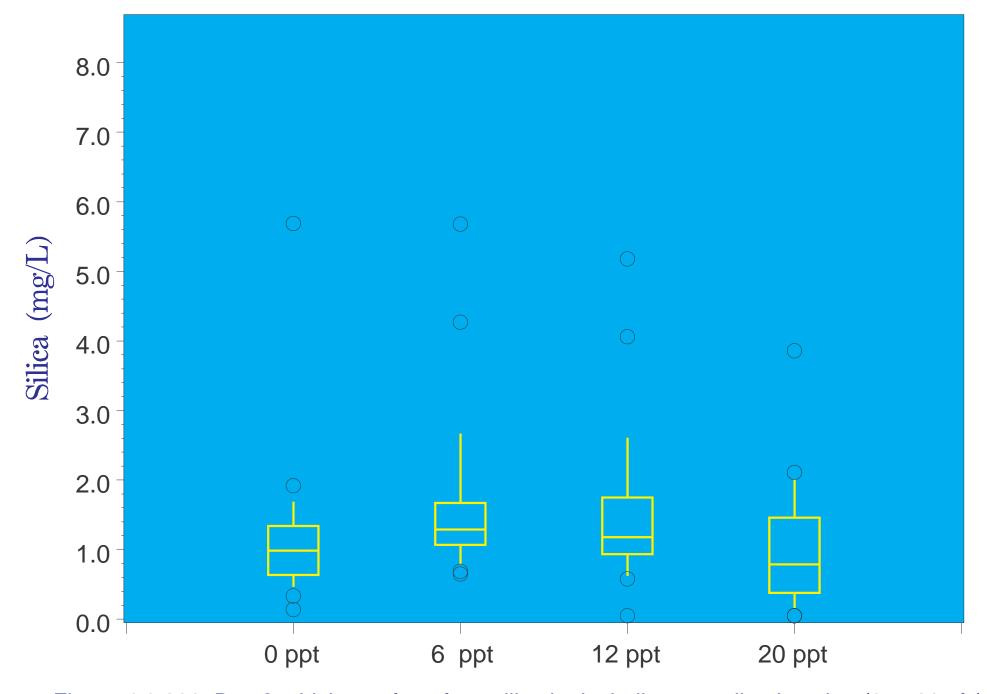


Figure 4.6.200 Box & whiskers of surface silica by isohaline sampling location (0 to 90 cfs)

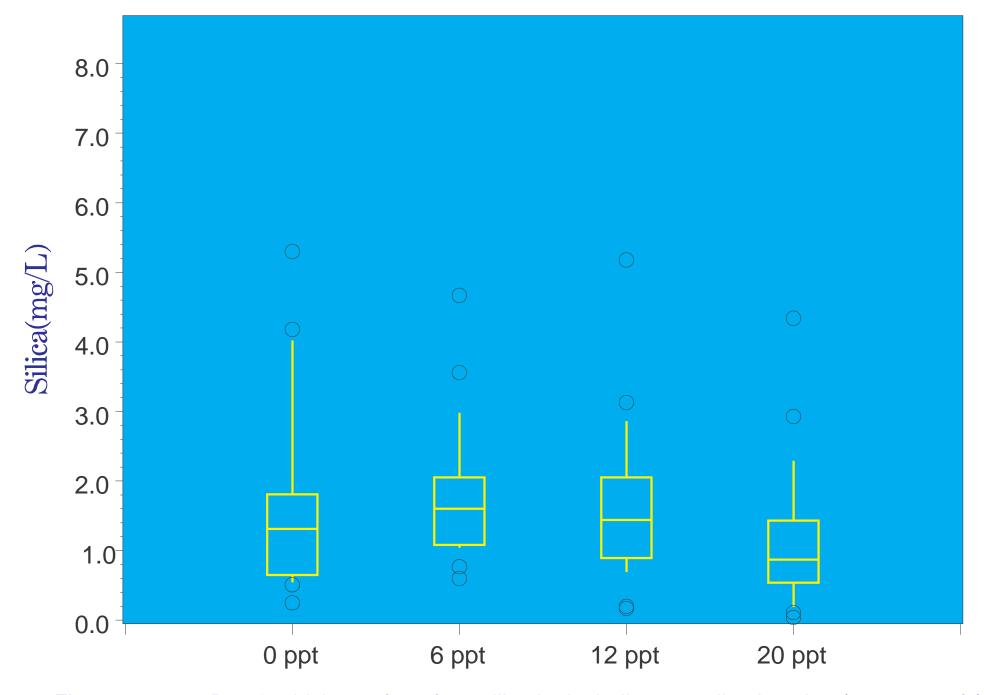


Figure 4.6.201 Box & whiskers of surface silica by isohaline sampling location (90 to 160 cfs)

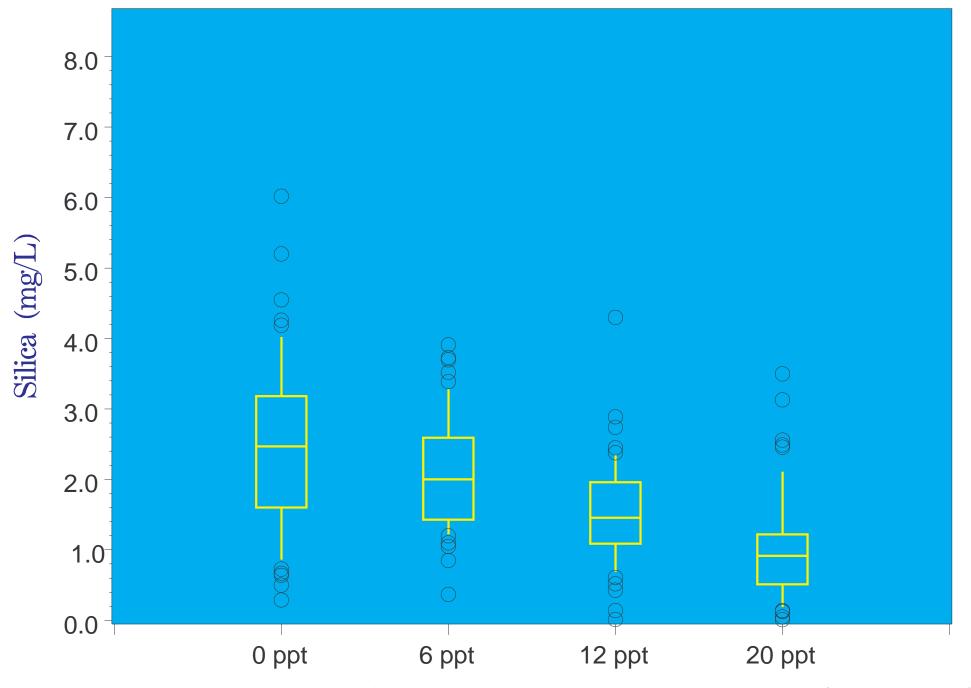


Figure 4.6.202 Box & whiskers of surface silica by isohaline sampling location (160 to 360 cfs)

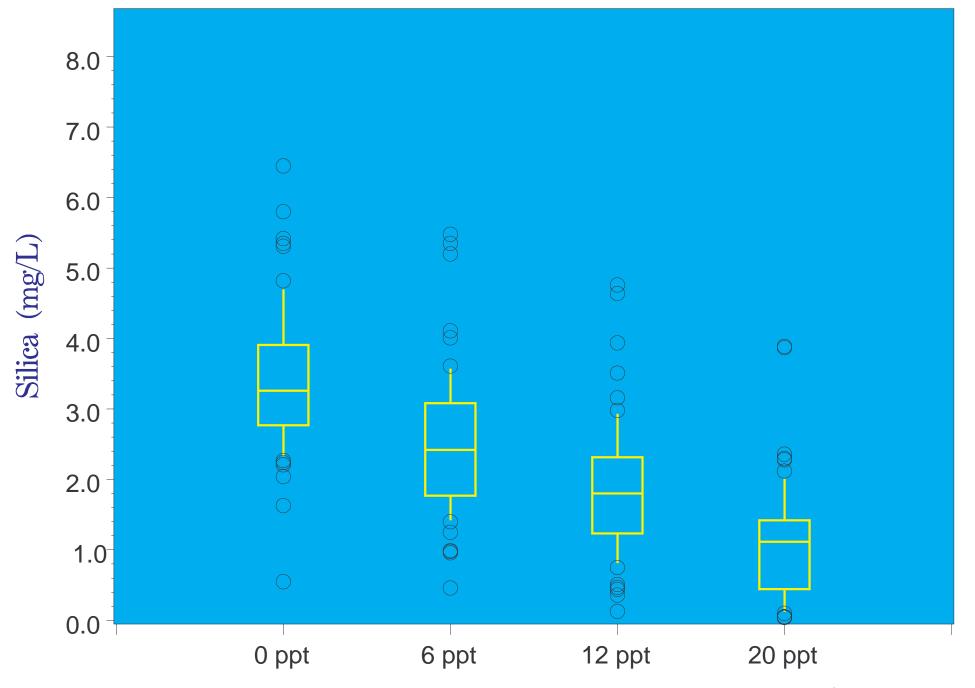


Figure 4.6.203 Box & whiskers of surface silica by isohaline sampling location (360 to 920 cfs)

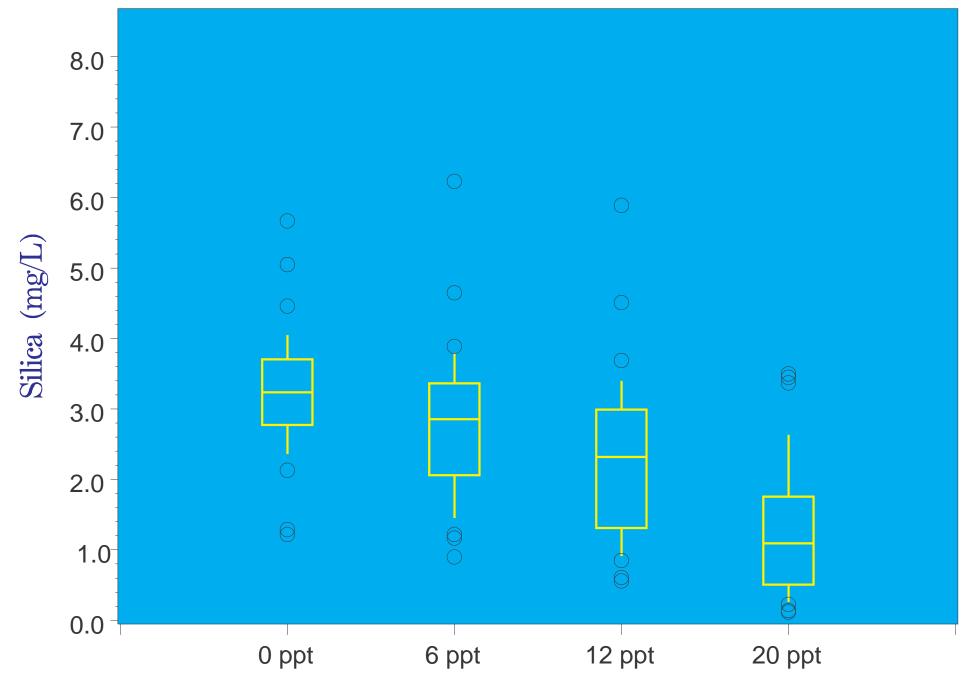


Figure 4.6.204 Box & whiskers of surface silica by isohaline sampling location (920 to 2100 cfs)

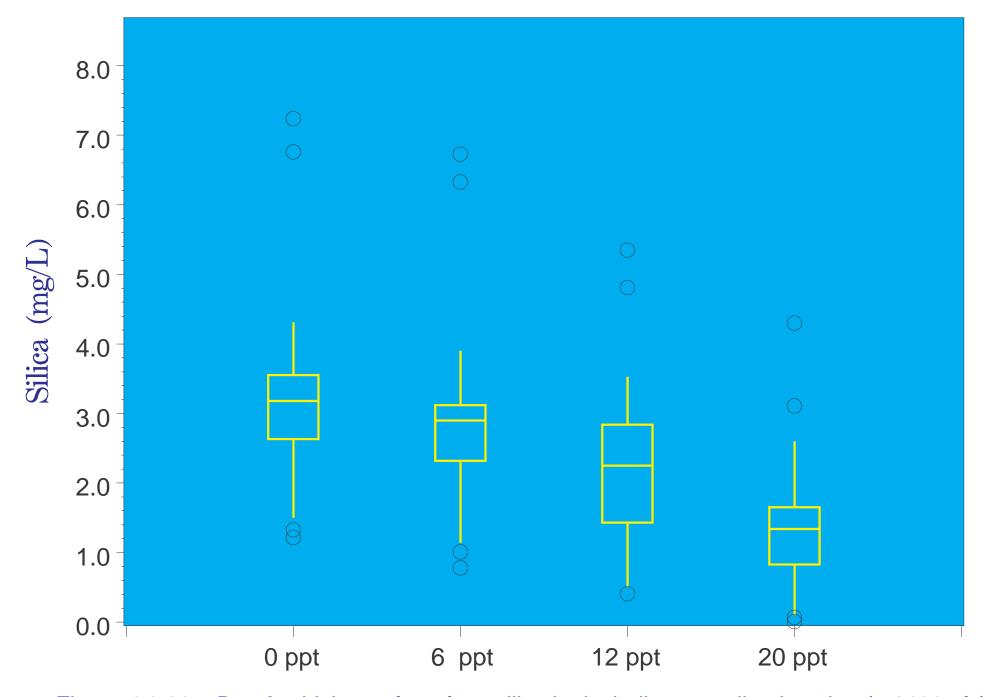


Figure 4.6.205 Box & whiskers of surface silica by isohaline sampling location (> 2100 cfs)

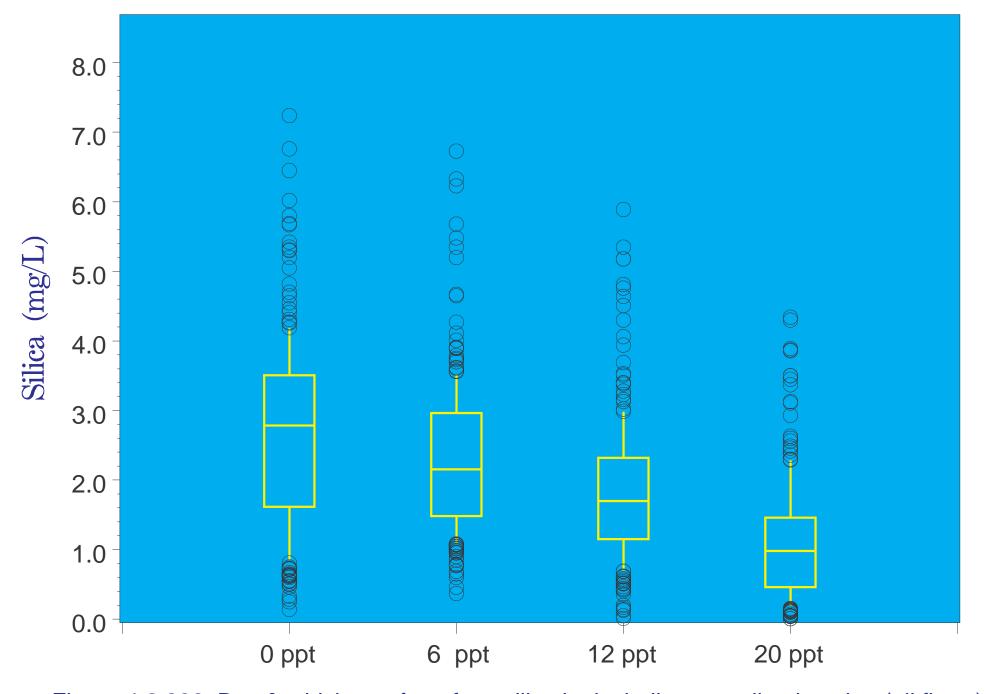


Figure 4.6.206 Box & whiskers of surface silica by isohaline sampling location (all flows)

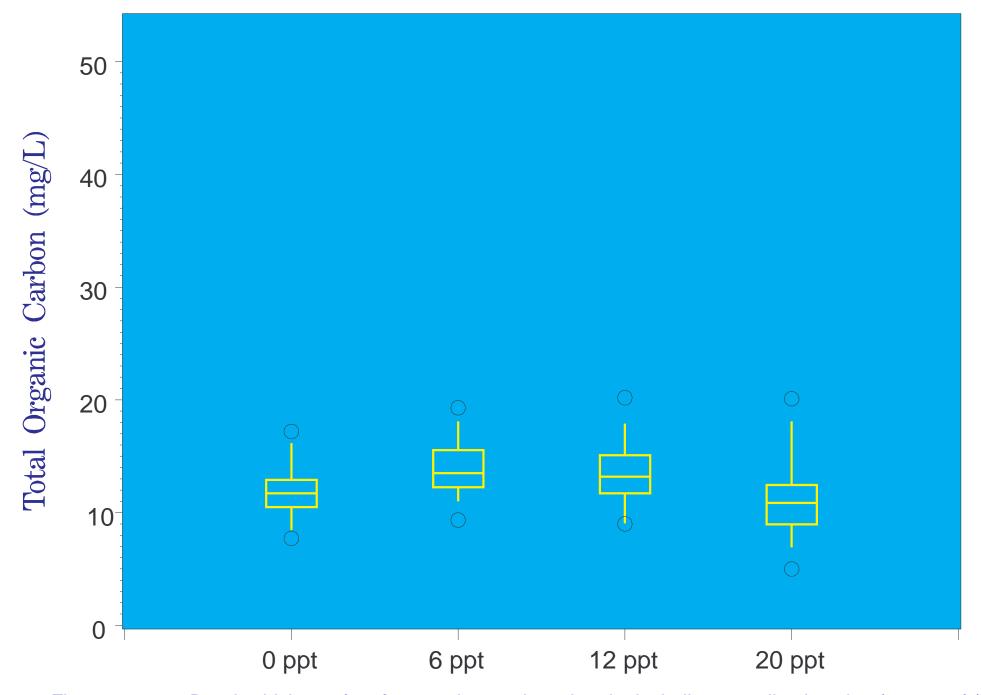


Figure 4.6.207 Box & whiskers of surface total organic carbon by isohaline sampling location (0 to 90 cfs)

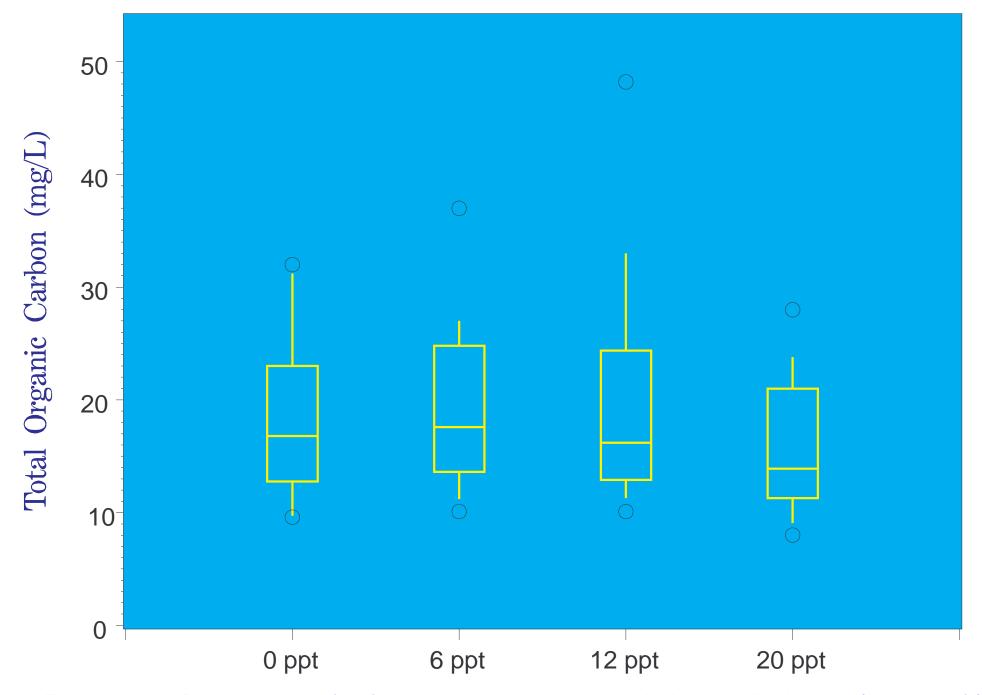


Figure 4.6.208 Box & whiskers of surface total organic carbon by isohaline sampling location (90 to 160 cfs)

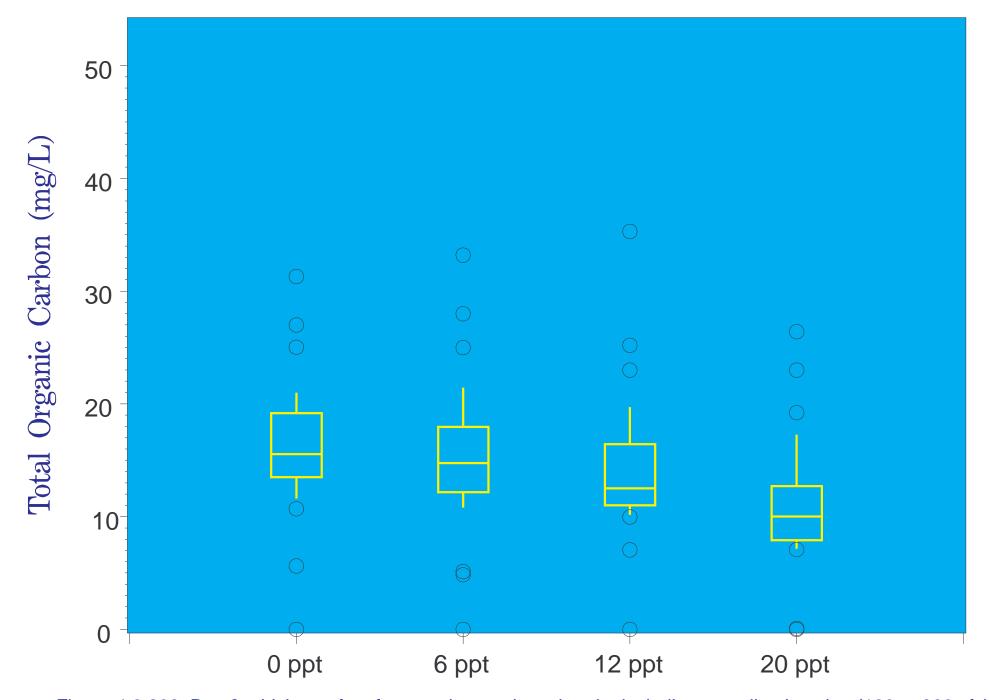


Figure 4.6.209 Box & whiskers of surface total organic carbon by isohaline sampling location (160 to 360 cfs)

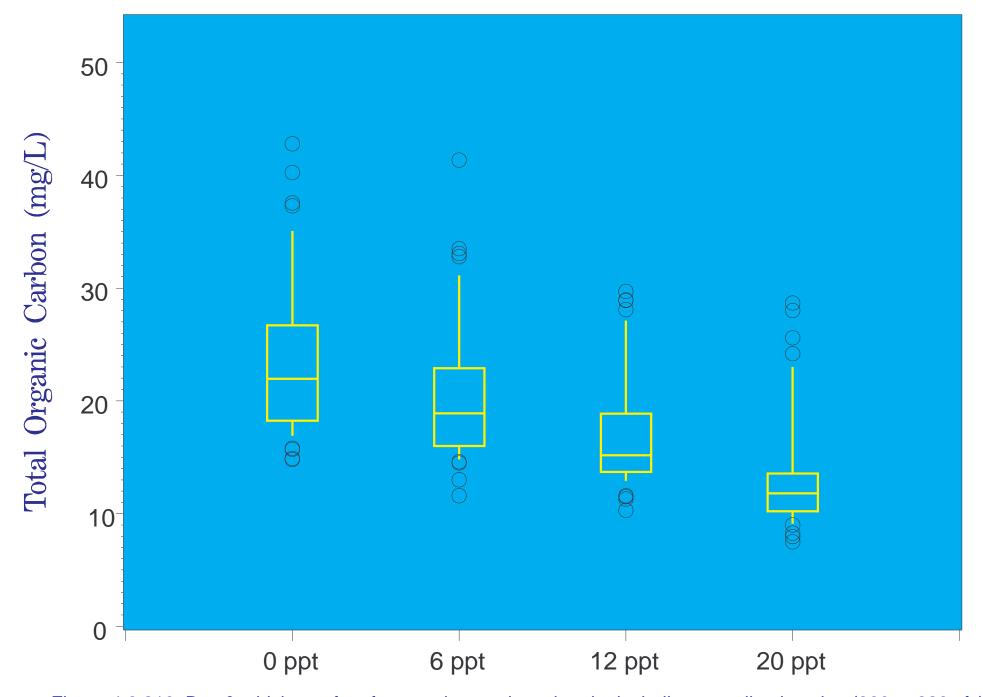


Figure 4.6.210 Box & whiskers of surface total organic carbon by isohaline sampling location (360 to 920 cfs)

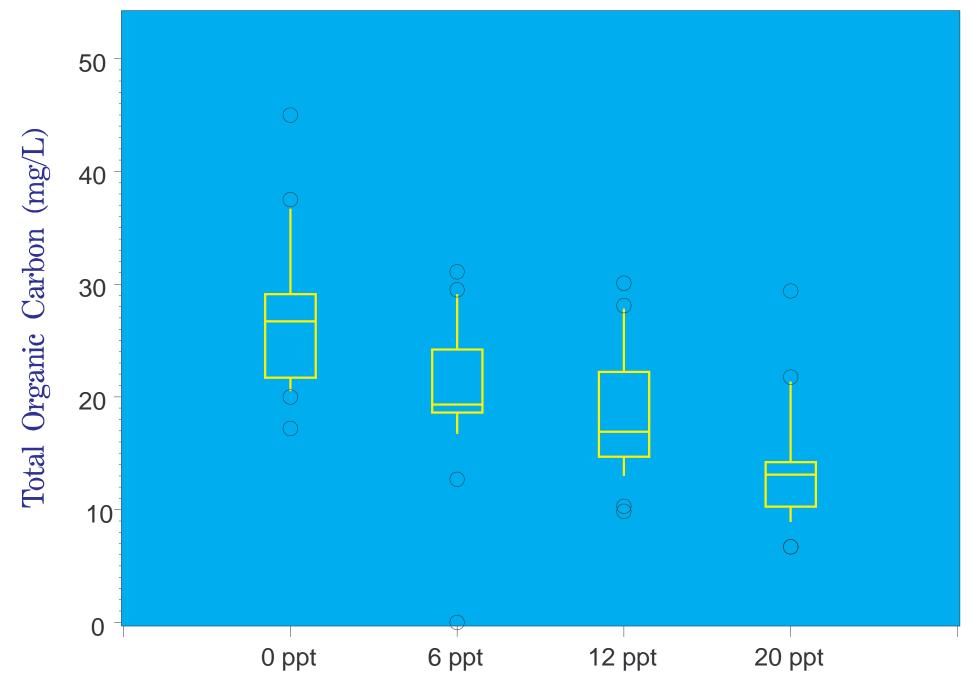


Figure 4.6.211 Box & whiskers of surface total organic carbon by isohaline sampling location (920 to 2100 cfs)

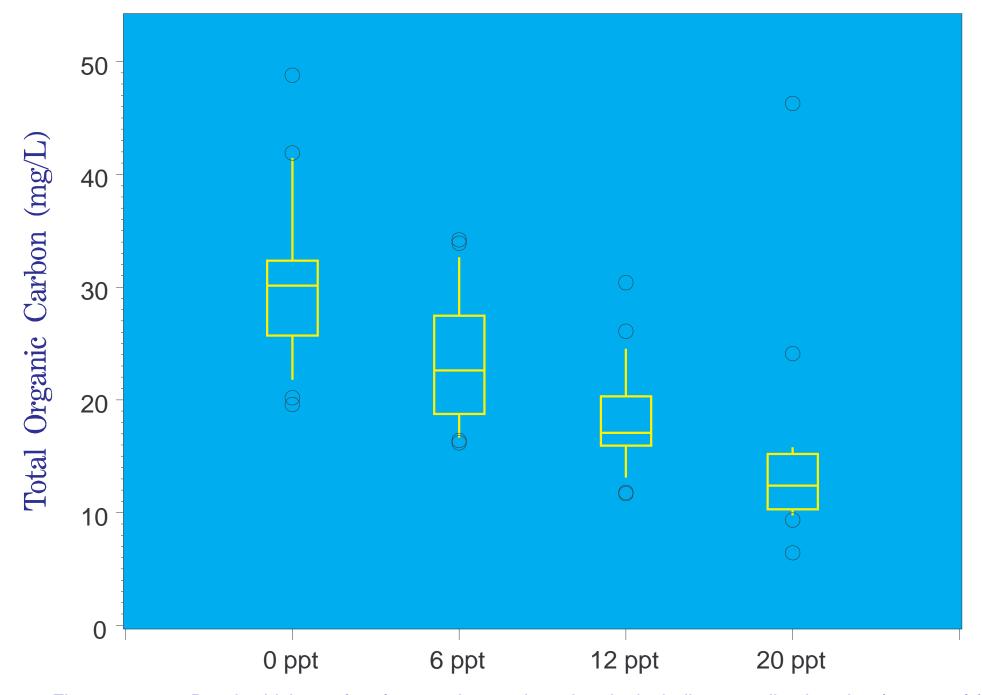


Figure 4.6.212 Box & whiskers of surface total organic carbon by isohaline sampling location (> 2100 cfs)

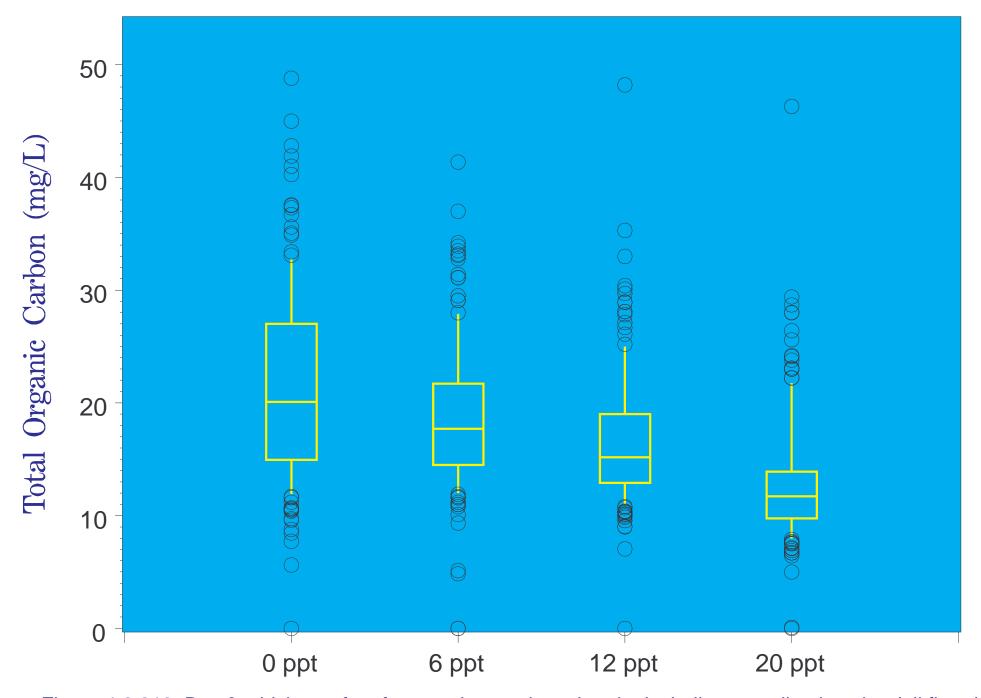


Figure 4.6.213 Box & whiskers of surface total organic carbon by isohaline sampling location (all flows)

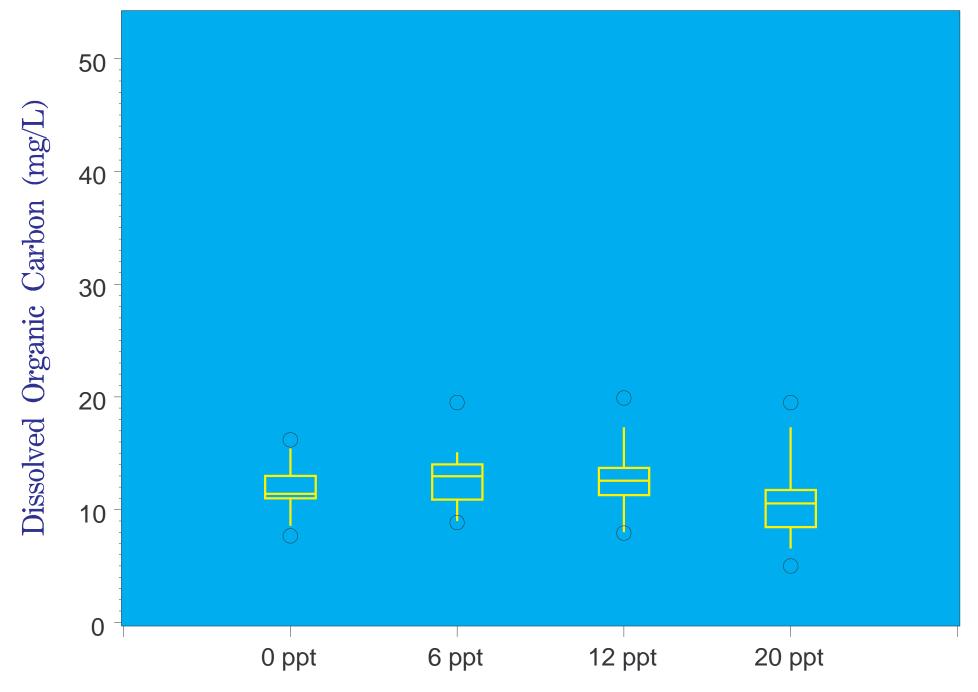


Figure 4.6.214 Box & whiskers of surface dissolved organic carbon by isohaline sampling location (0 to 90 cfs)

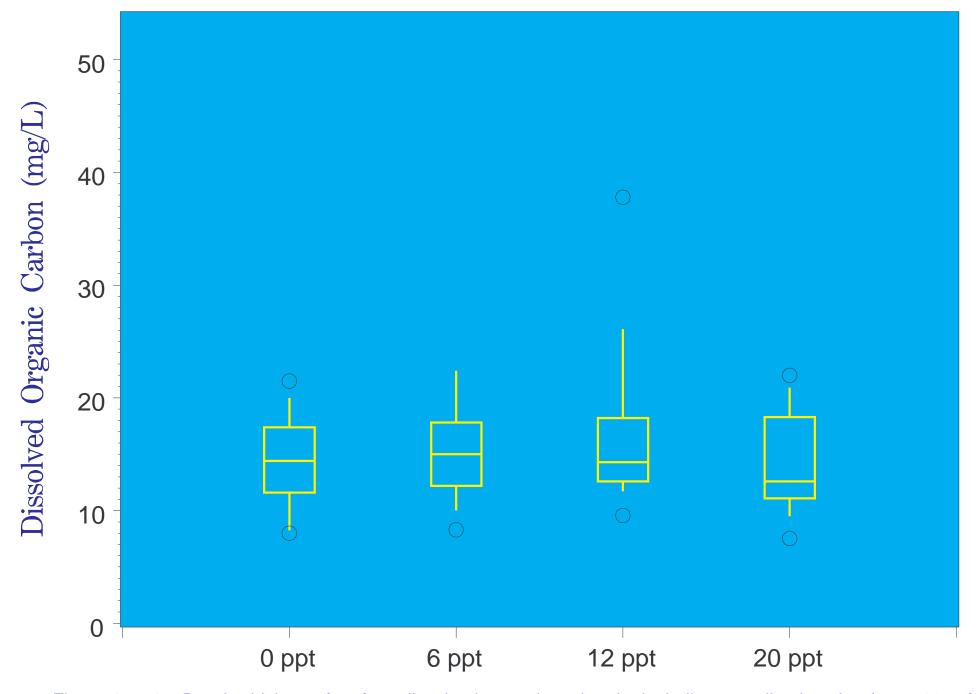


Figure 4.6.215 Box & whiskers of surface dissolved organic carbon by isohaline sampling location (90 to 160 cfs)

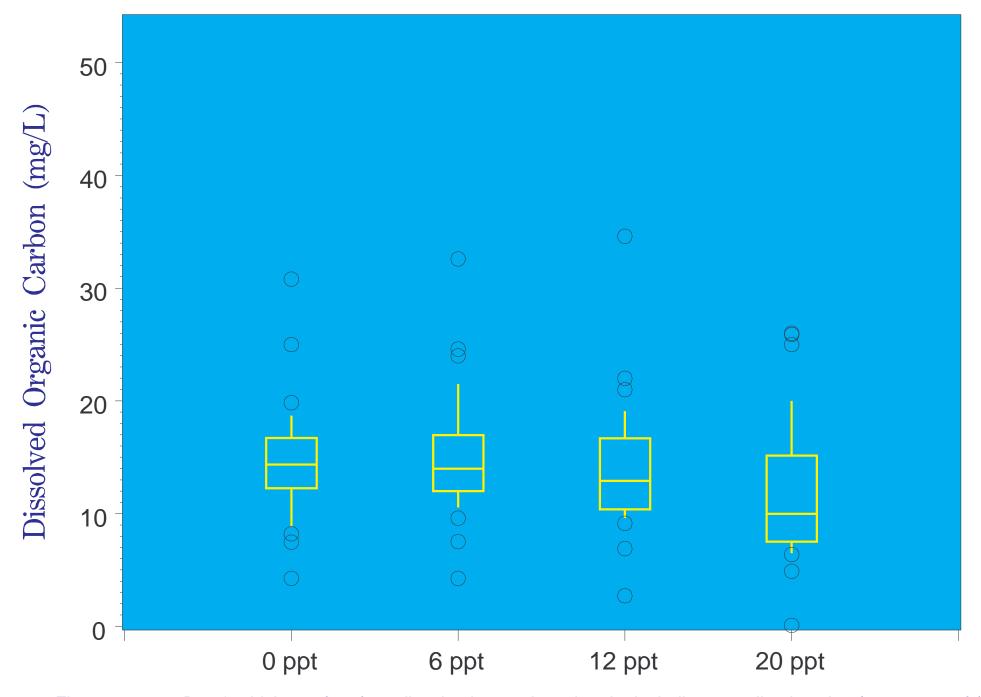


Figure 4.6.216 Box & whiskers of surface dissolved organic carbon by isohaline sampling location (160 to 360 cfs)

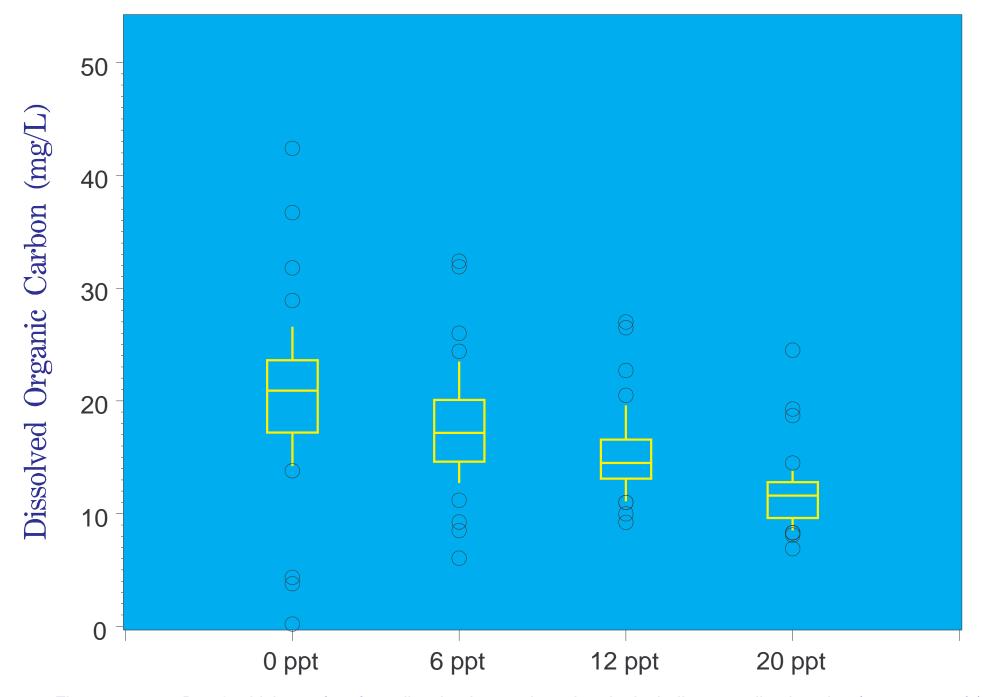


Figure 4.6.217 Box & whiskers of surface dissolved organic carbon by isohaline sampling location (360 to 920 cfs)

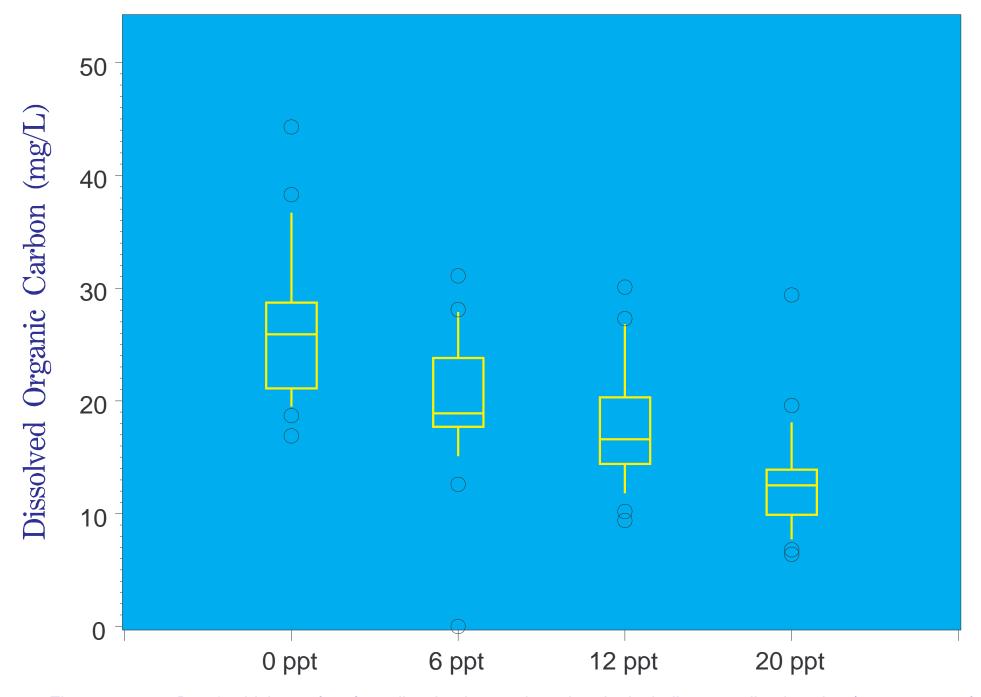


Figure 4.6.218 Box & whiskers of surface dissolved organic carbon by isohaline sampling location (920 to 2100 cfs)

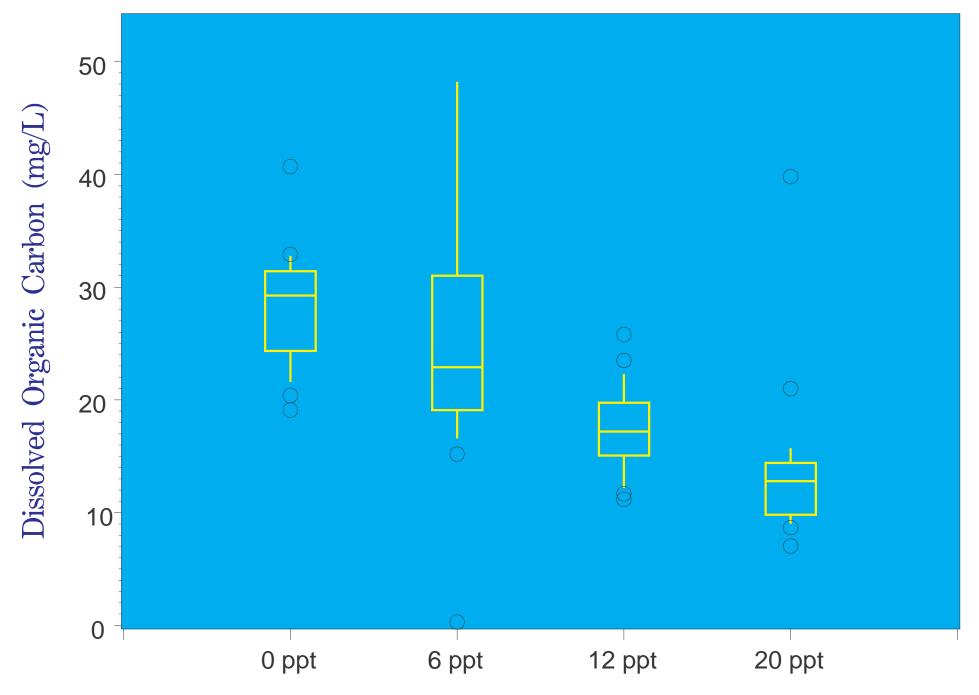


Figure 4.6.219 Box & whiskers of surface dissolved organic carbon by isohaline sampling location (> 2100 cfs)

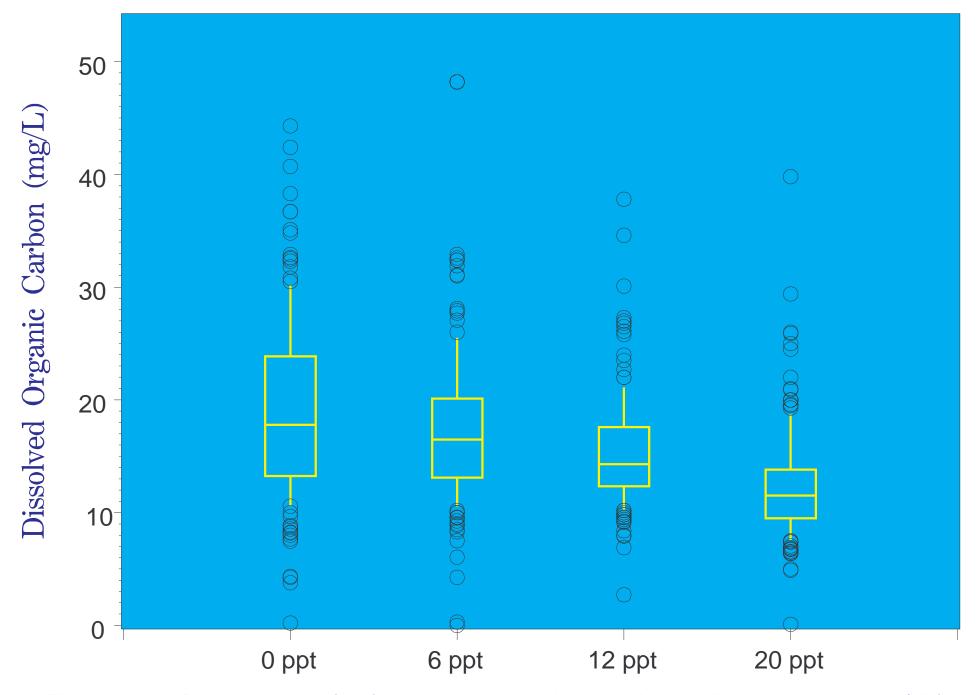


Figure 4.6.220 Box & whiskers of surface dissolved organic carbon by isohaline sampling location (all flows)

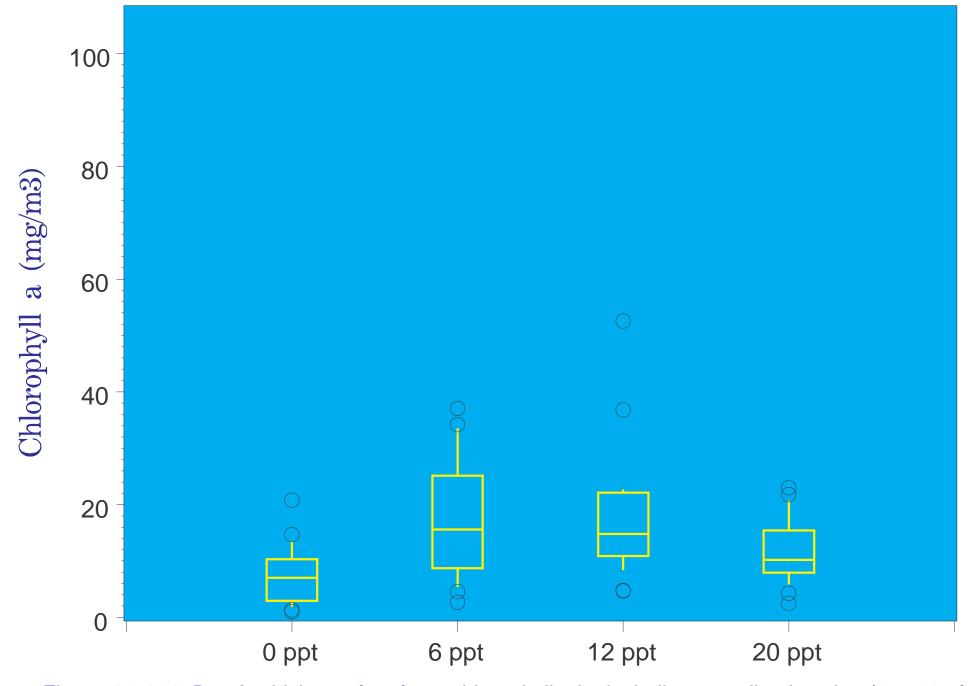


Figure 4.6.221 Box & whiskers of surface chlorophyll a by isohaline sampling location (0 to 90 cfs)

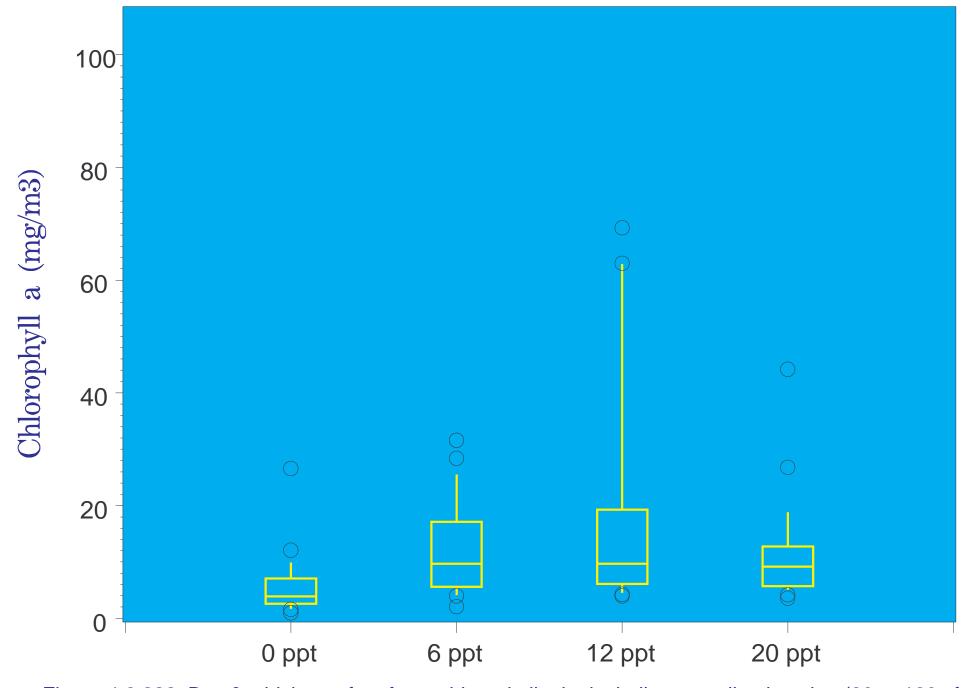


Figure 4.6.222 Box & whiskers of surface chlorophyll a by isohaline sampling location (90 to 160 cfs)

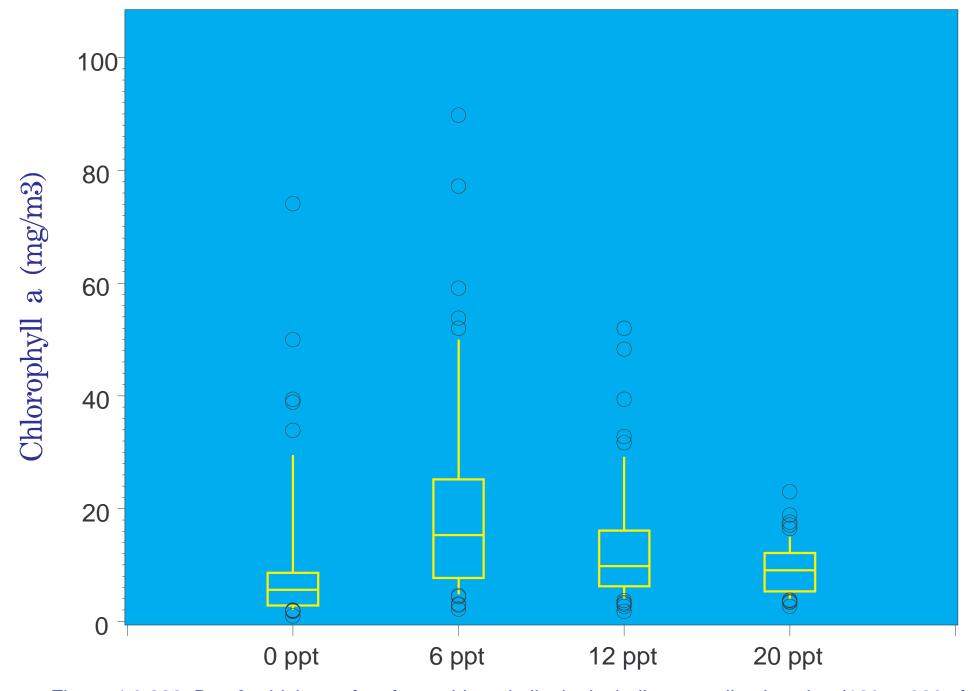


Figure 4.6.223 Box & whiskers of surface chlorophyll a by isohaline sampling location (160 to 360 cfs)

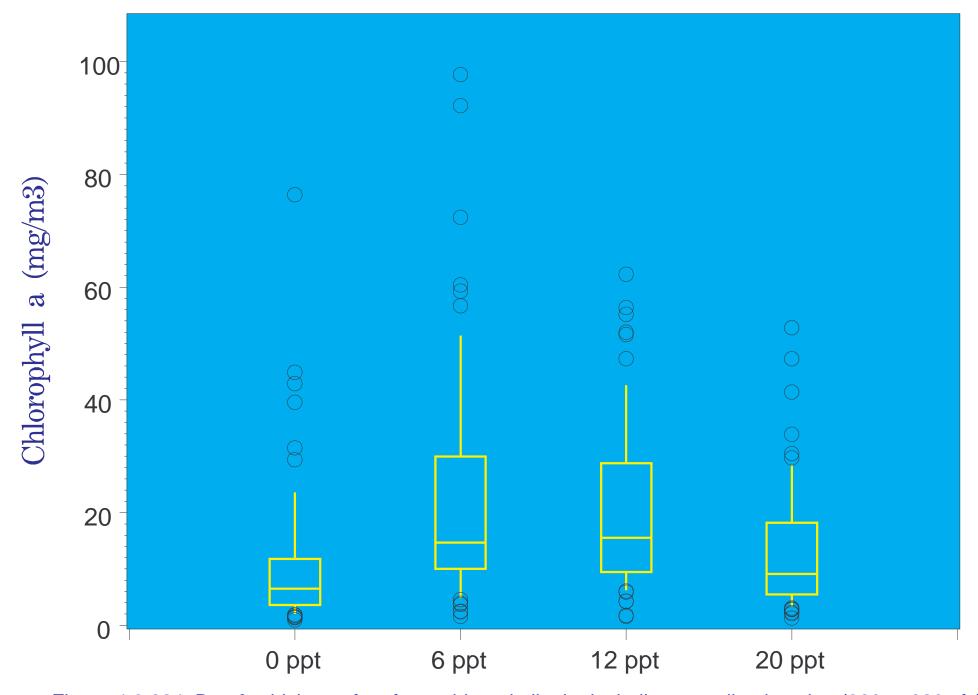


Figure 4.6.224 Box & whiskers of surface chlorophyll a by isohaline sampling location (360 to 920 cfs)

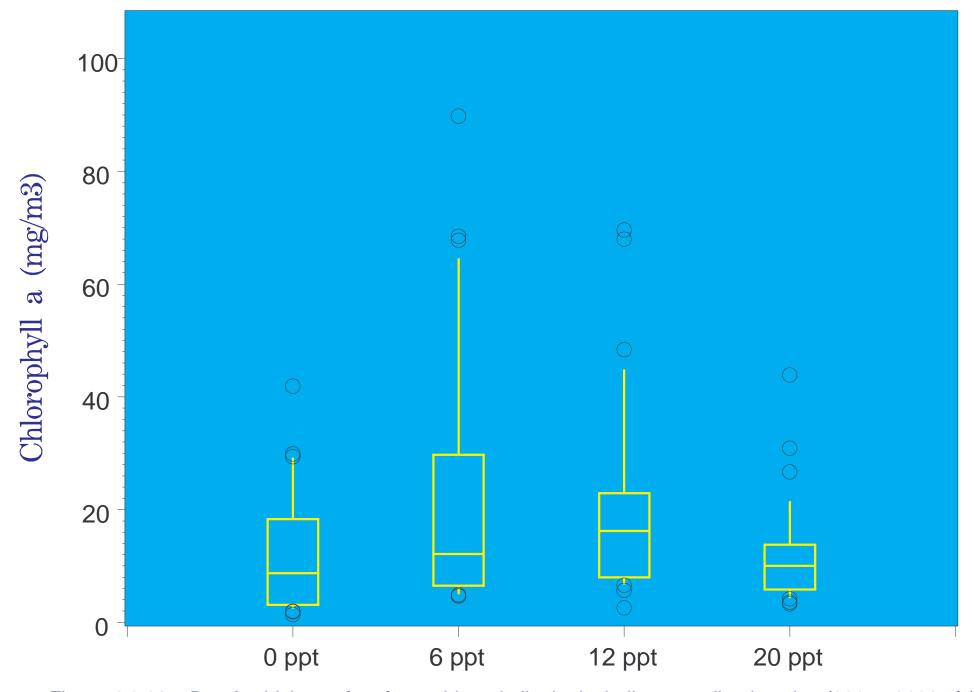


Figure 4.6.225 Box & whiskers of surface chlorophyll a by isohaline sampling location (920 to 2100 cfs)

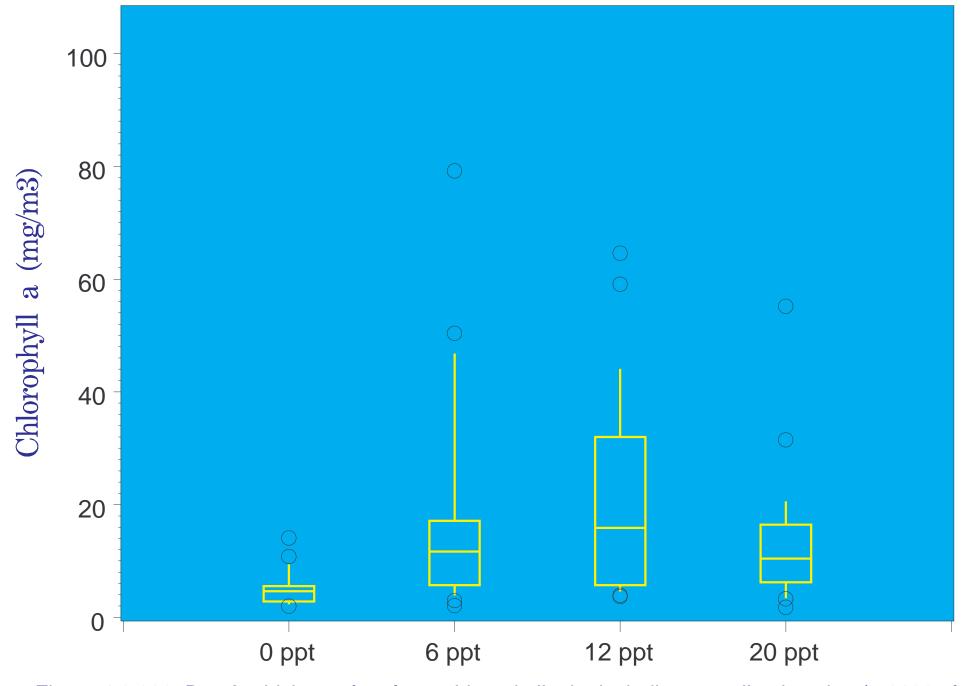


Figure 4.6.226 Box & whiskers of surface chlorophyll a by isohaline sampling location (> 2100 cfs)

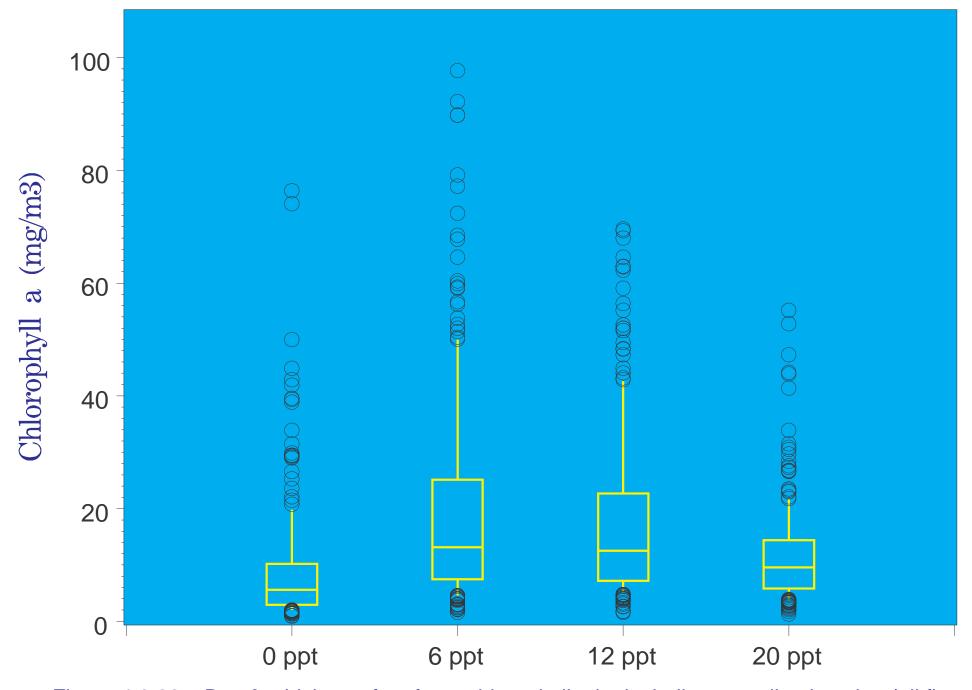


Figure 4.6.227 Box & whiskers of surface chlorophyll a by isohaline sampling location (all flows)

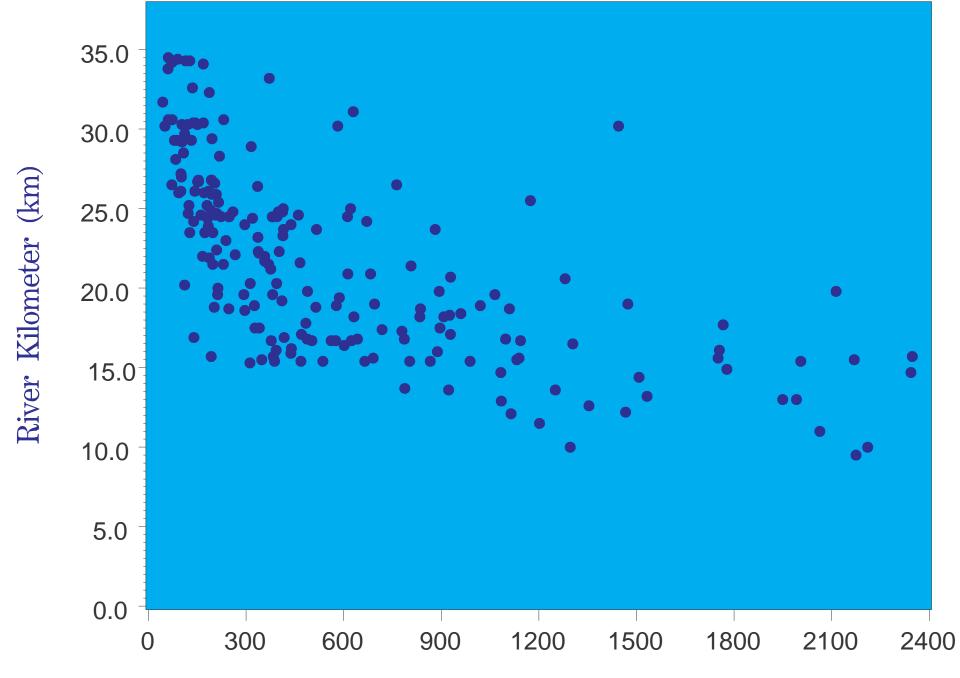


Figure 4.6.228 Isohaline sampling location versus flow - 0 ppt isohaline

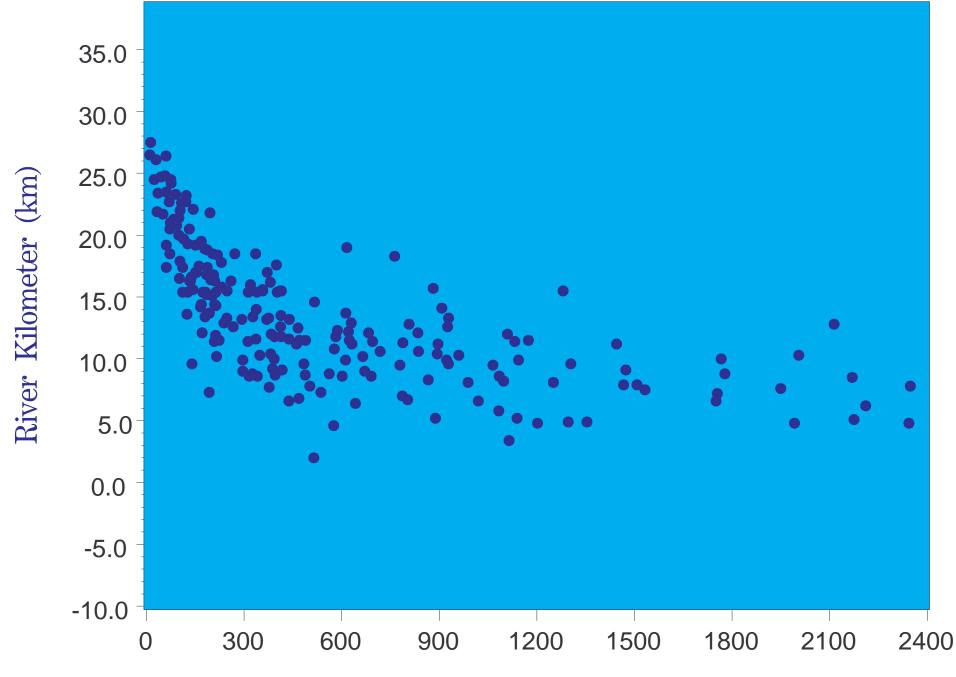


Figure 4.6.229 Isohaline sampling location versus flow - 6 ppt isohaline

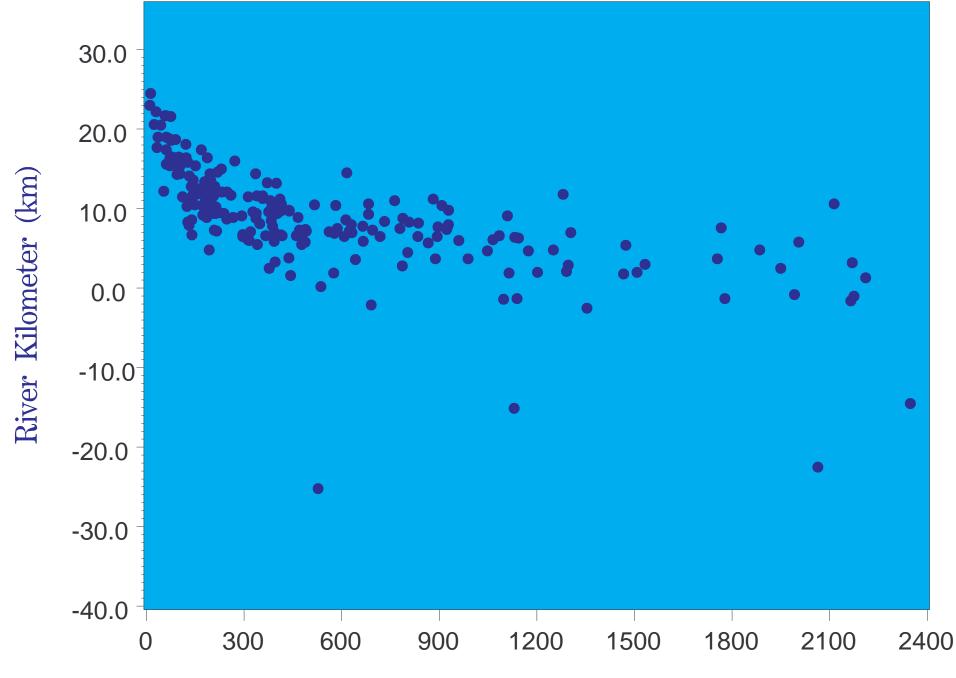


Figure 4.6.230 Isohaline sampling location versus flow - 12 ppt isohaline

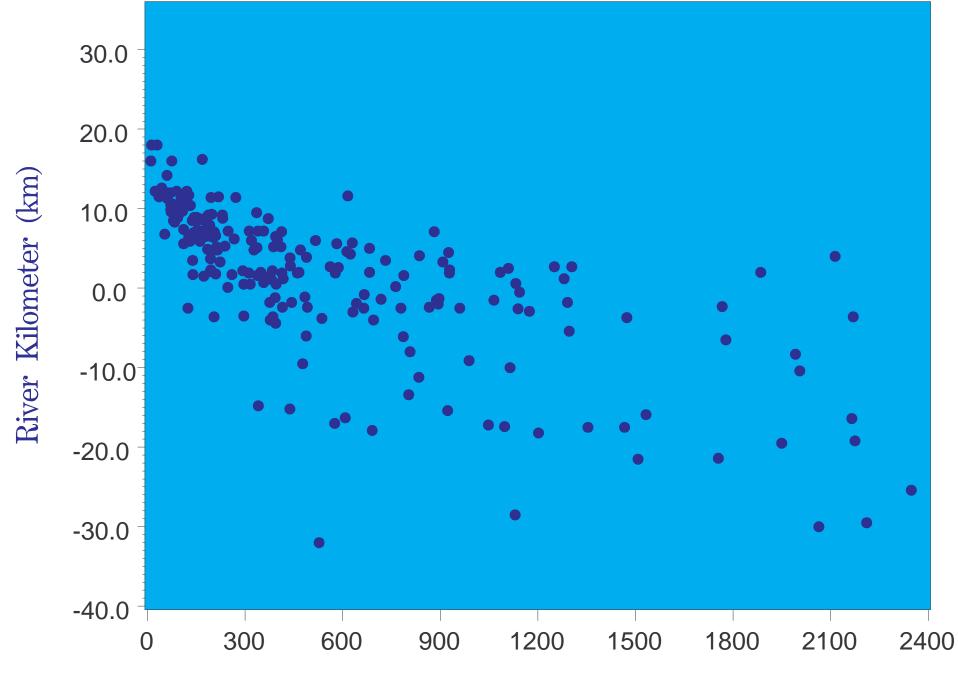


Figure 4.6.231 Isohaline sampling location versus flow - 20 ppt isohaline

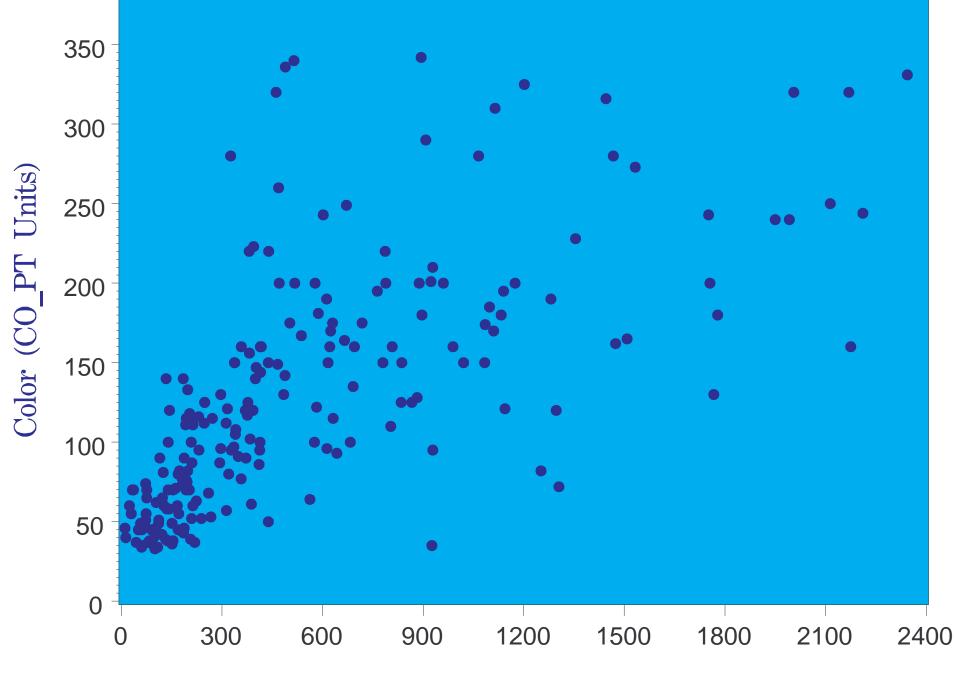


Figure 4.6.232 Surface color versus flow - 0 ppt isohaline

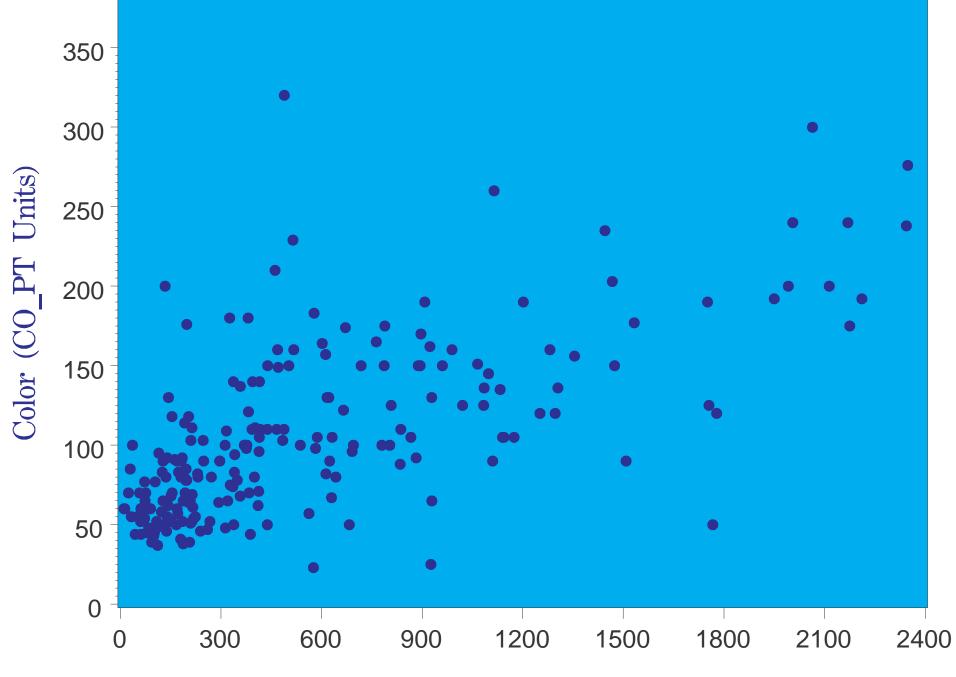


Figure 4.6.233 Surface color versus flow - 6 ppt isohaline

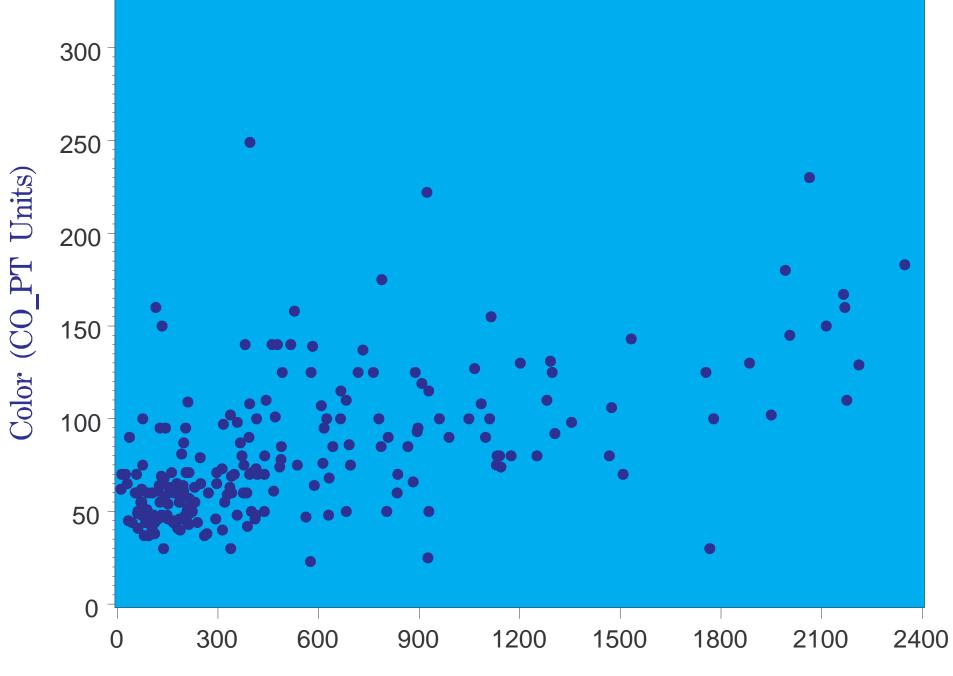


Figure 4.6.234 Surface color versus flow - 12 ppt isohaline

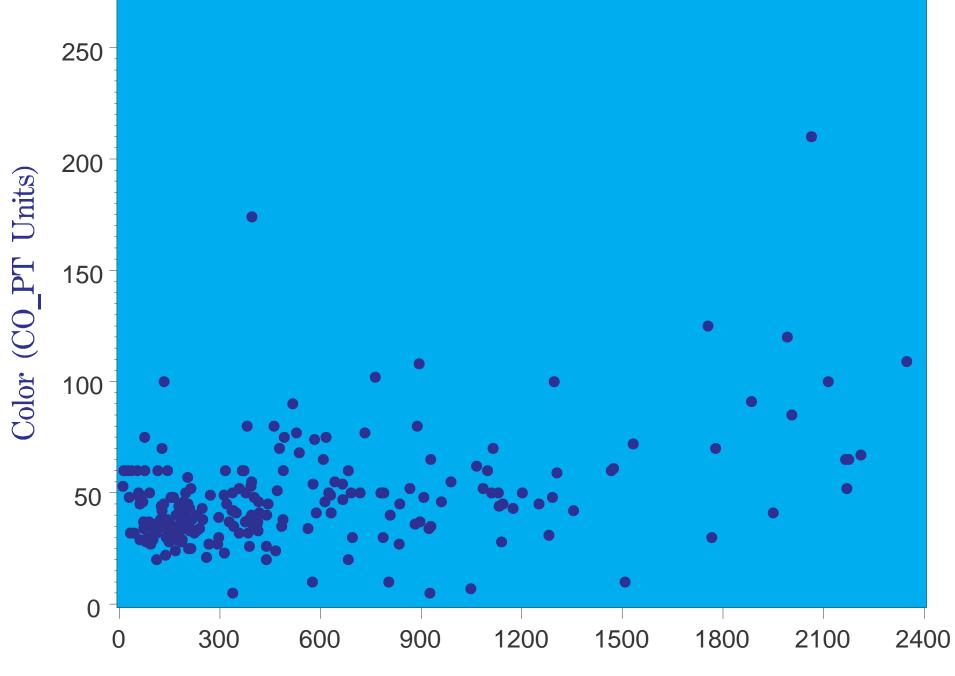


Figure 4.6.235 Surface color versus flow - 20 ppt isohaline

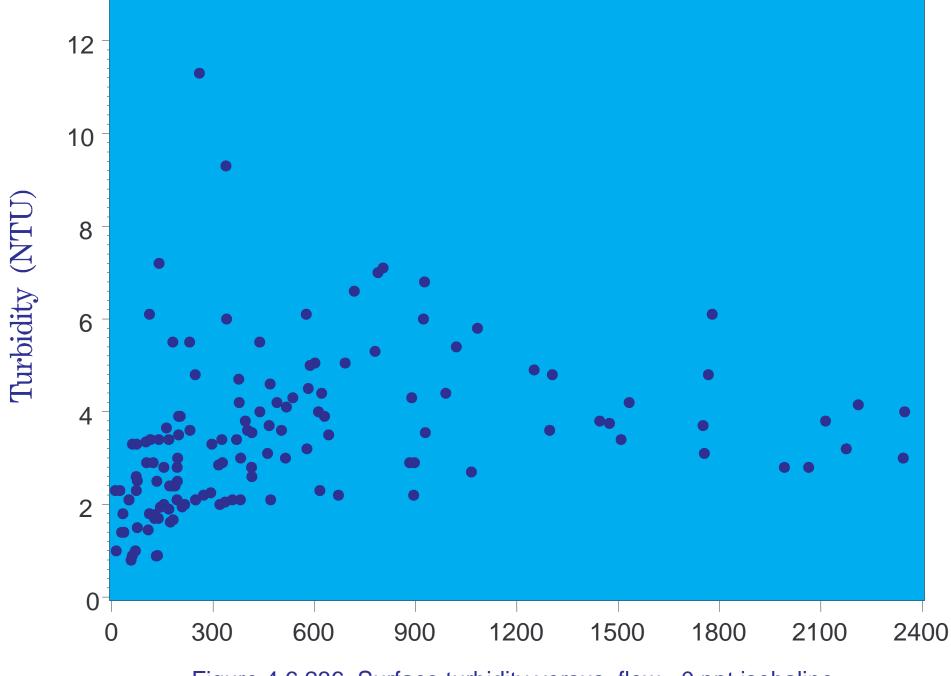


Figure 4.6.236 Surface turbidity versus flow - 0 ppt isohaline

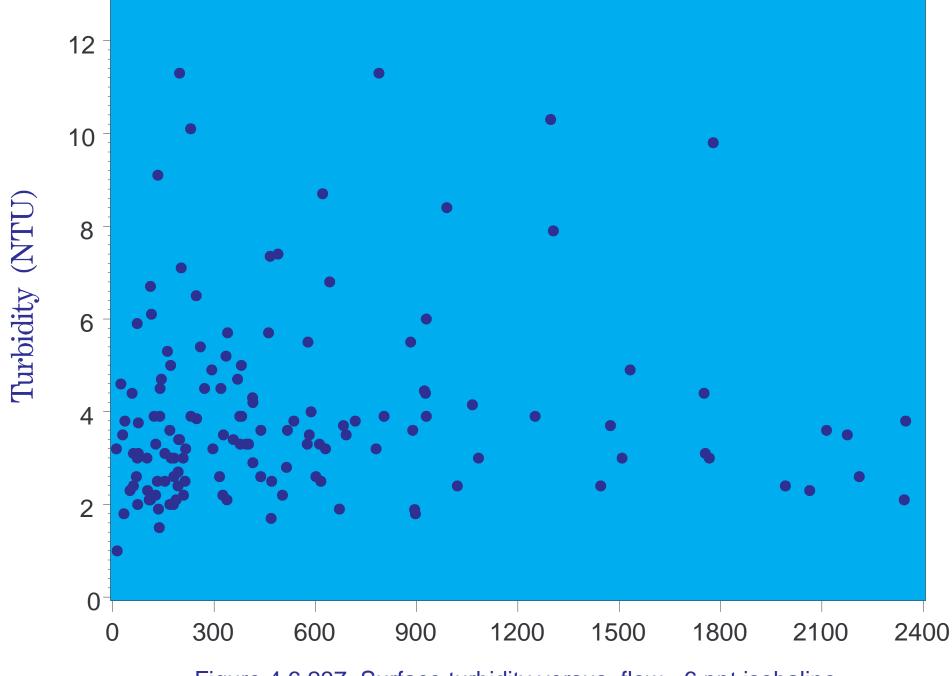


Figure 4.6.237 Surface turbidity versus flow - 6 ppt isohaline

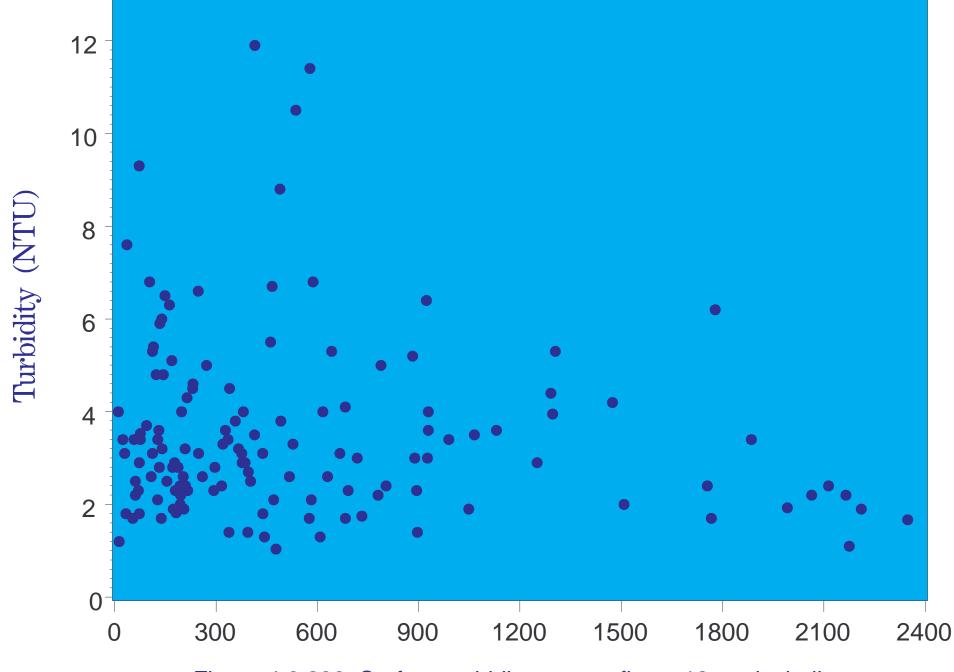


Figure 4.6.238 Surface turbidity versus flow - 12 ppt isohaline

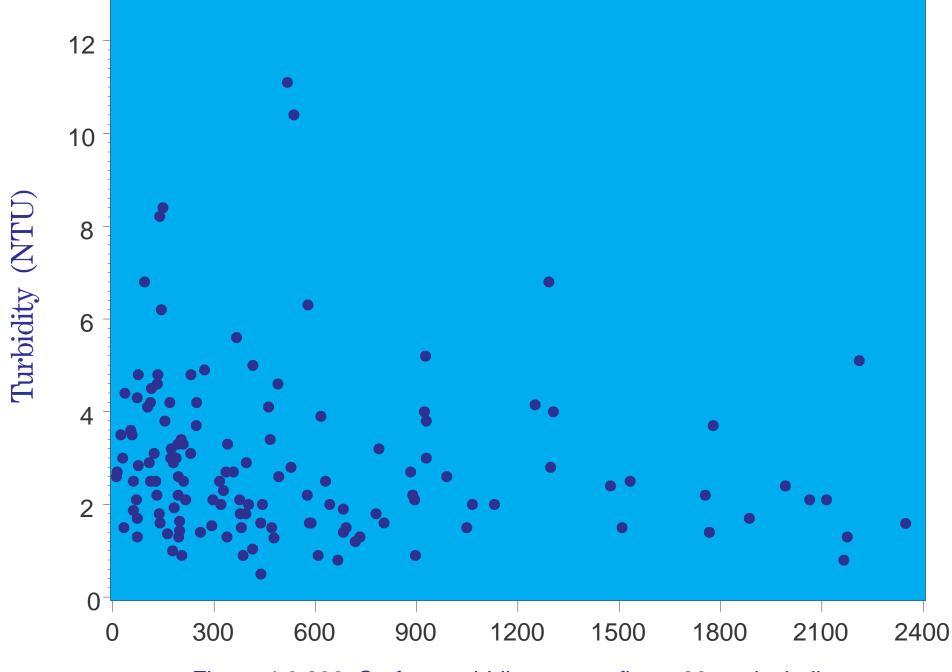


Figure 4.6.239 Surface turbidity versus flow - 20 ppt isohaline

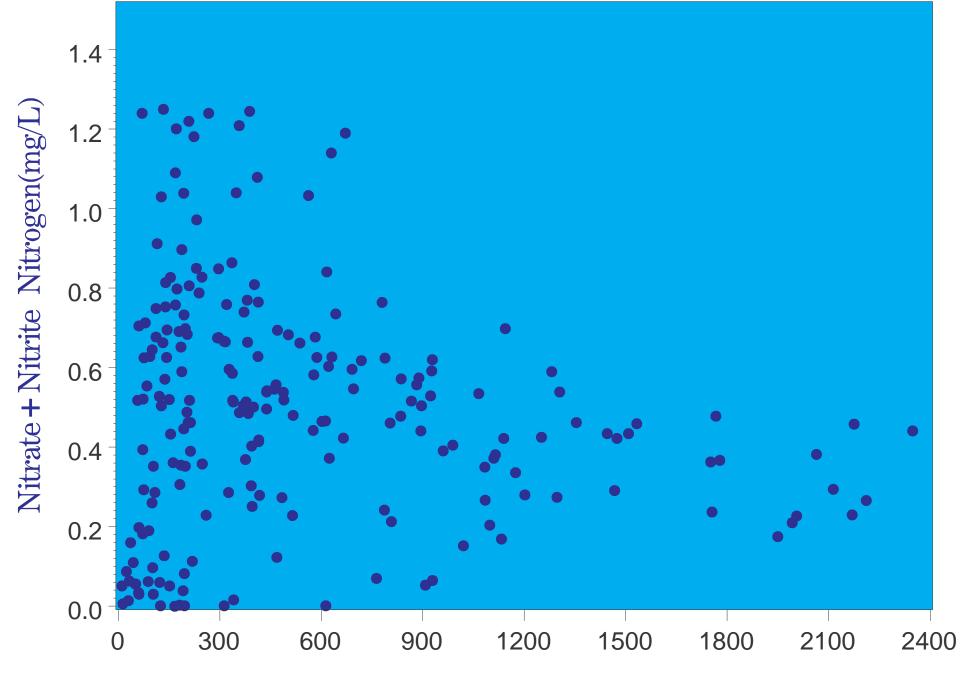


Figure 4.6.240 Surface nitrate/nitrite nitrogen versus flow - 0 ppt isohaline

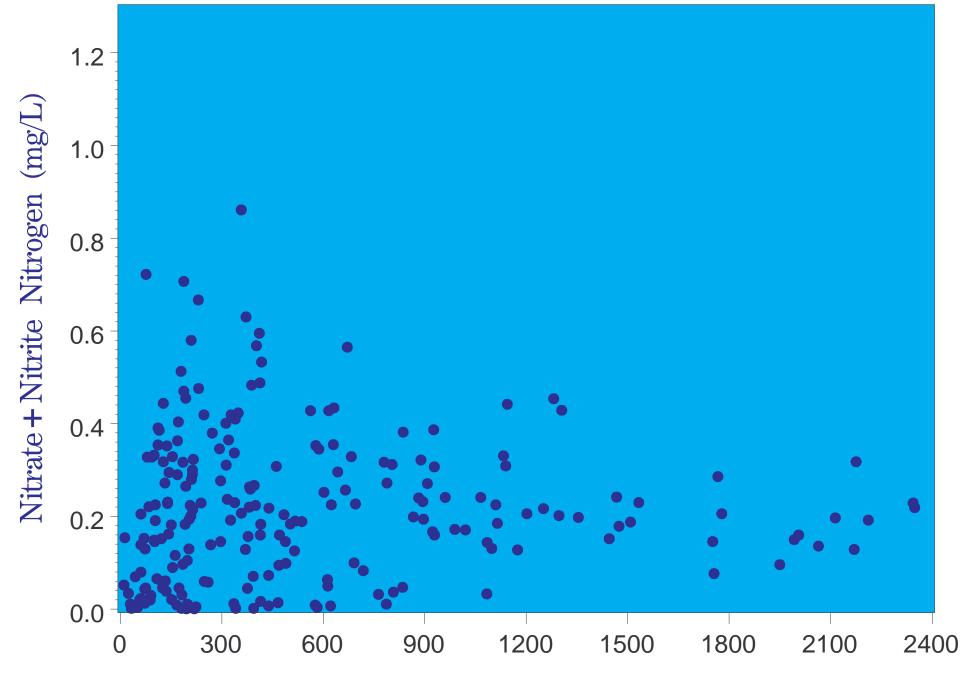


Figure 4.6.241 Surface nitrate/nitrite nitrogen versus flow - 6 ppt isohaline

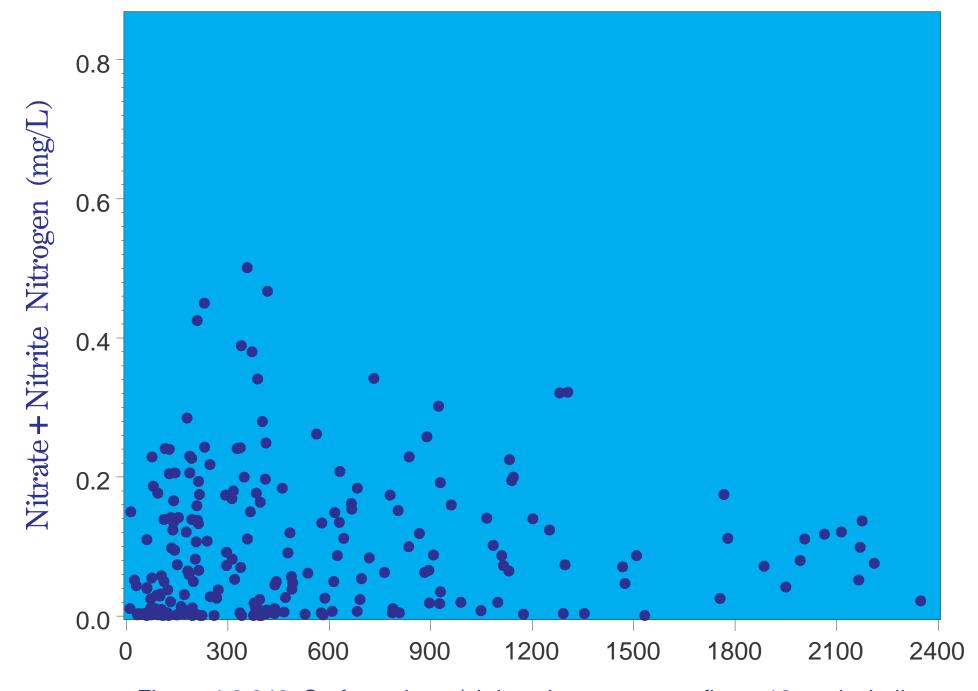


Figure 4.6.242 Surface nitrate/nitrite nitrogen versus flow - 12 ppt isohaline

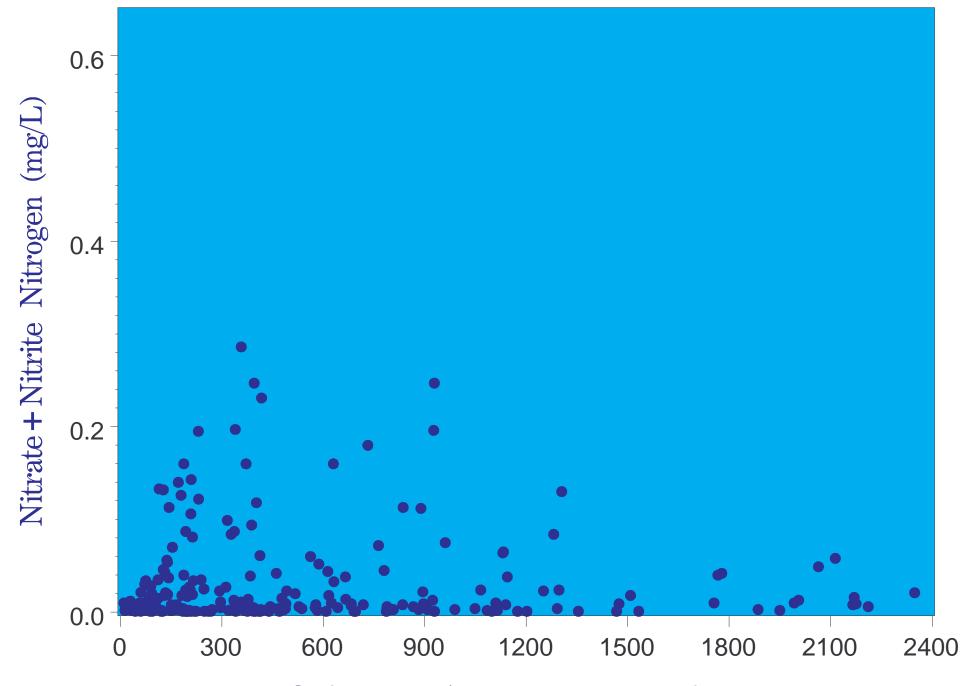


Figure 4.6.243 Surface nitrate/nitrite nitrogen versus flow - 20 ppt isohaline

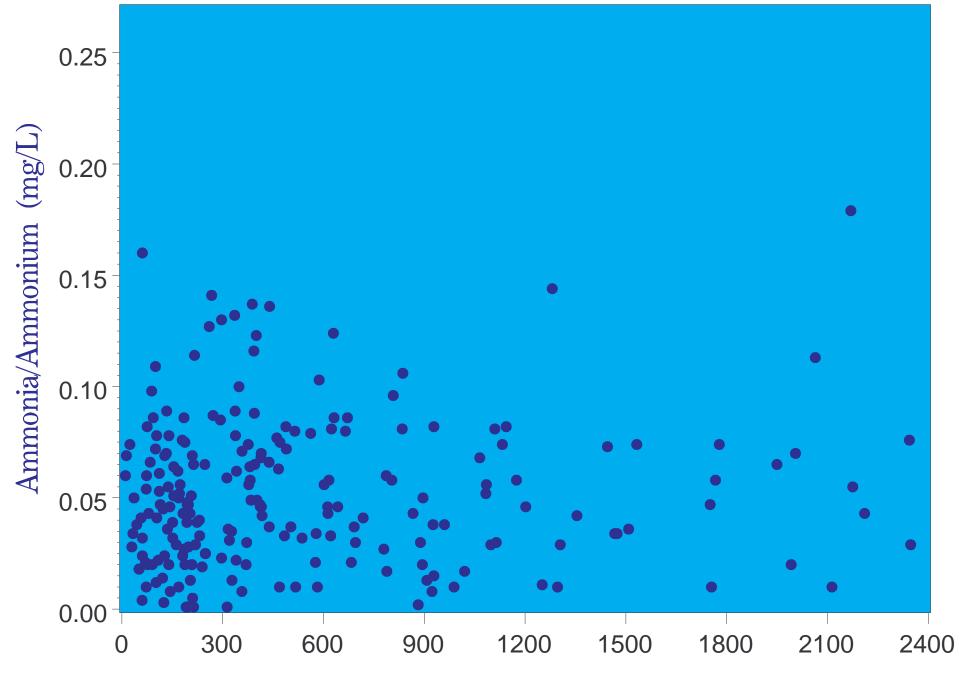


Figure 4.6.244 Surface ammonia/ammonium versus flow - 0 ppt isohaline

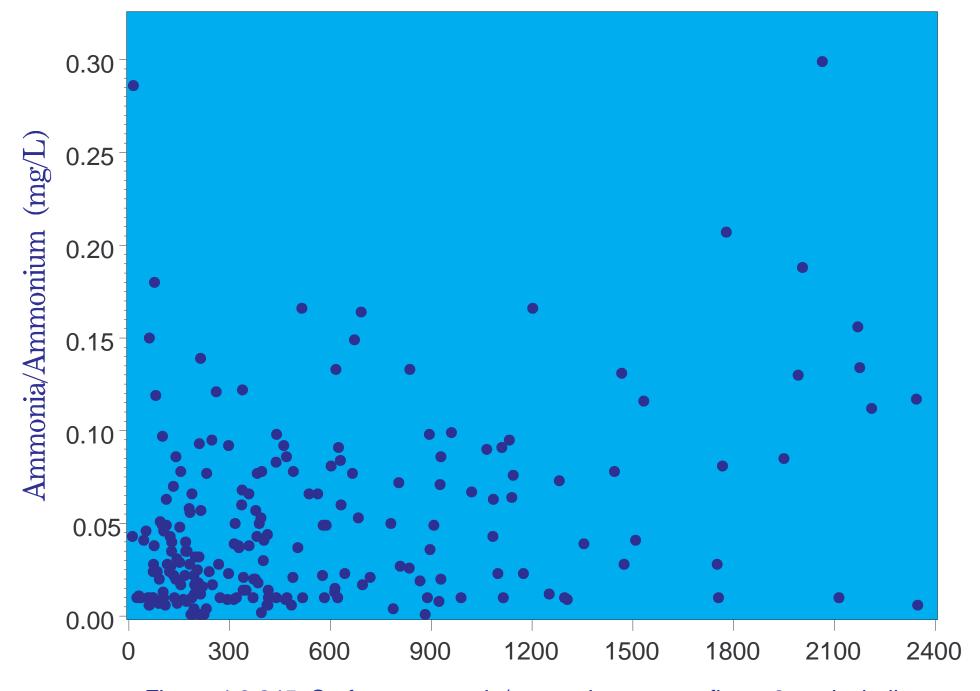


Figure 4.6.245 Surface ammonia/ammonium versus flow - 6 ppt isohaline

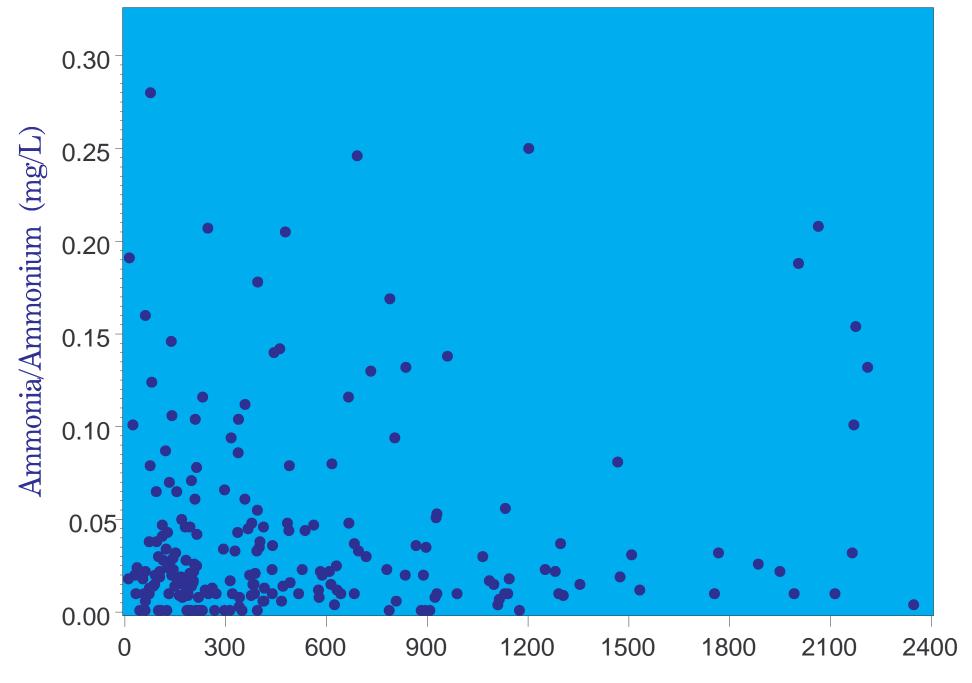


Figure 4.6.246 Surface ammonia/ammonium versus flow - 12 ppt isohaline

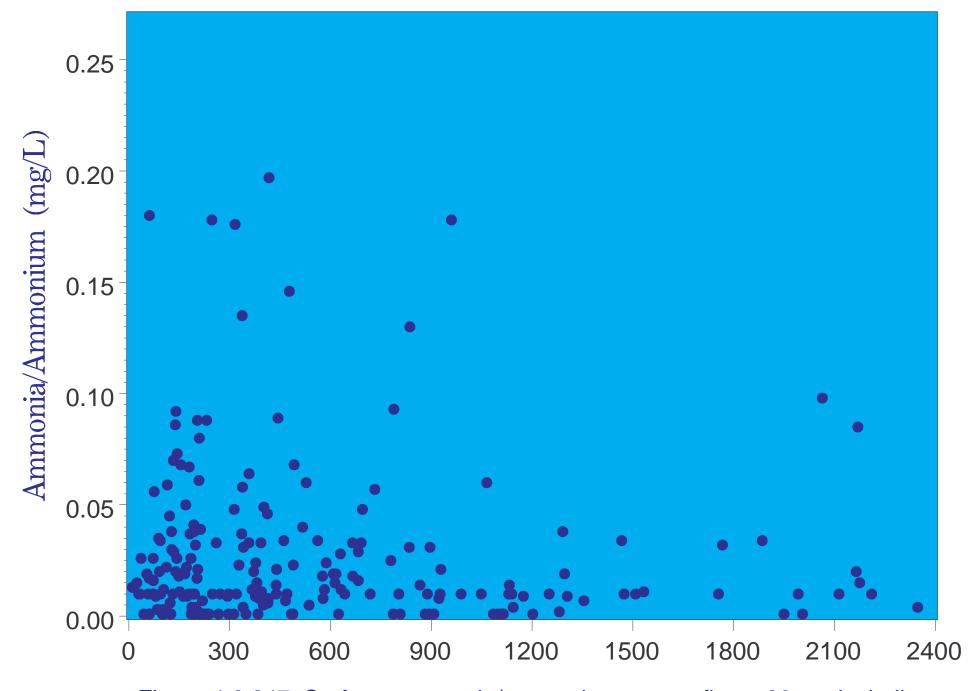


Figure 4.6.247 Surface ammonia/ammonium versus flow - 20 ppt isohaline

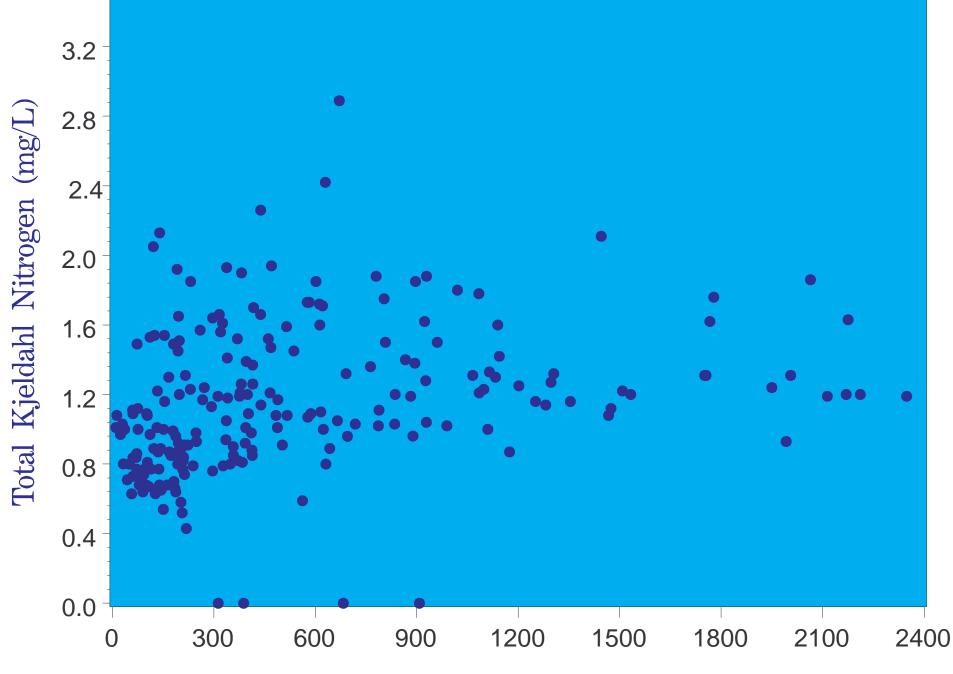


Figure 4.6.248 Surface total Kjeldahl nitrogen versus flow - 0 ppt isohaline

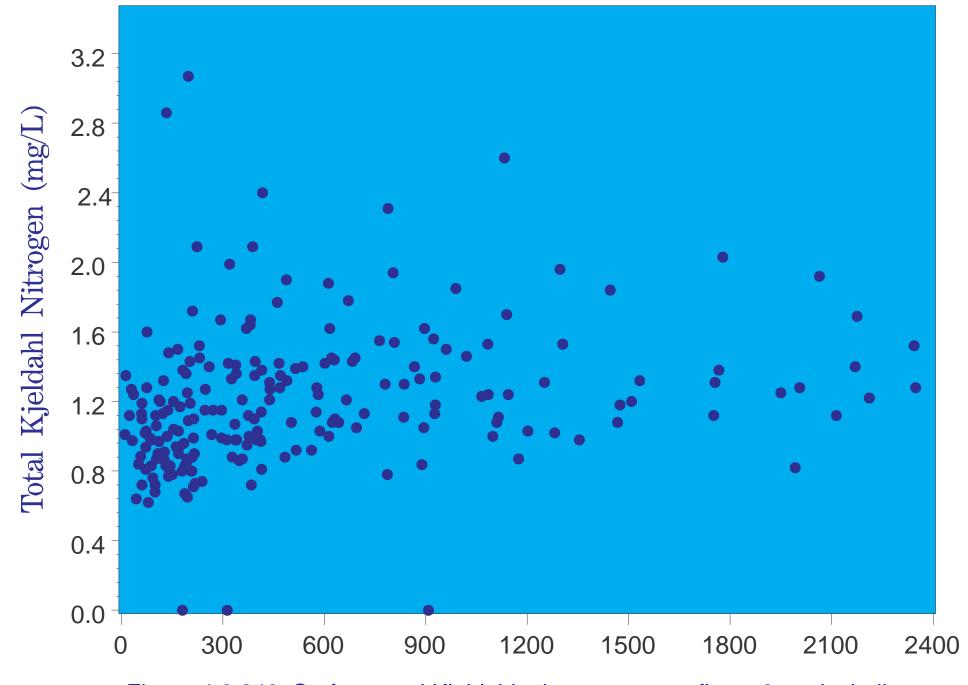


Figure 4.6.249 Surface total Kjeldahl nitrogen versus flow - 6 ppt isohaline

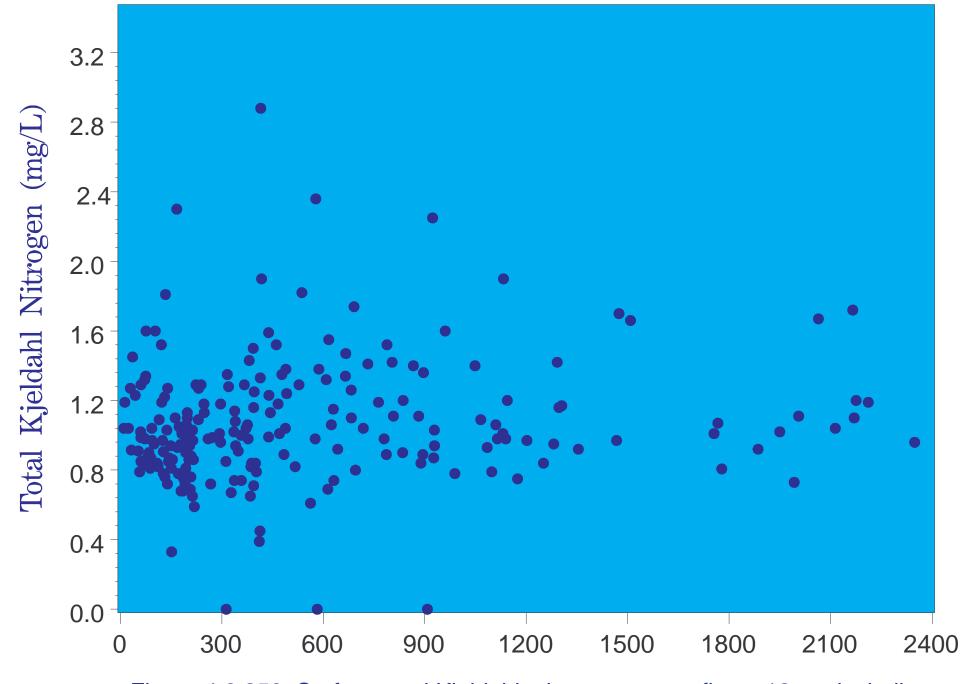


Figure 4.6.250 Surface total Kjeldahl nitrogen versus flow - 12 ppt isohaline

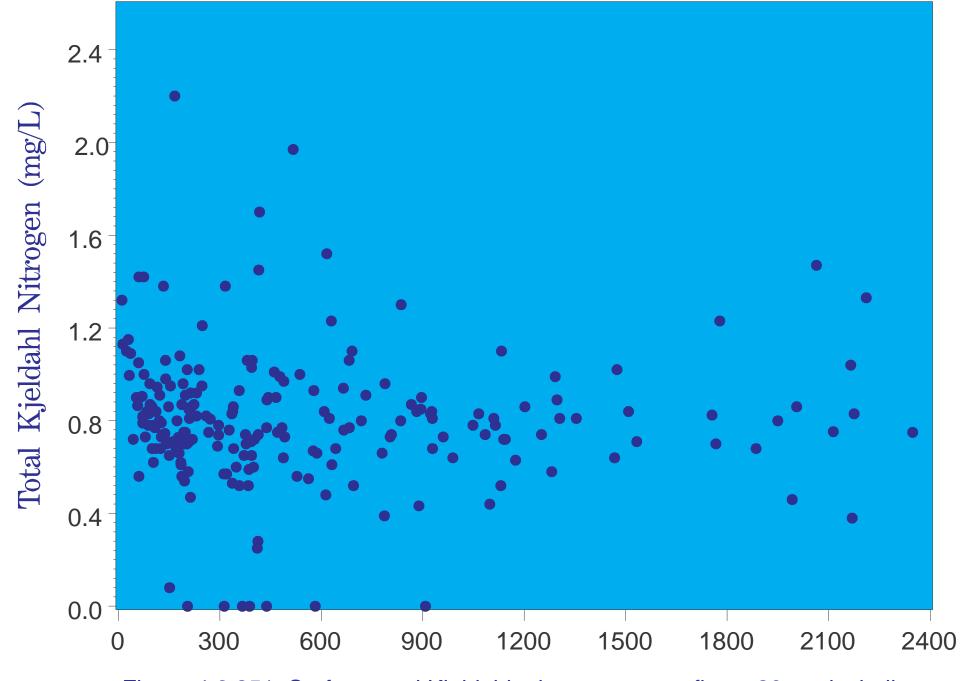


Figure 4.6.251 Surface total Kjeldahl nitrogen versus flow - 20 ppt isohaline

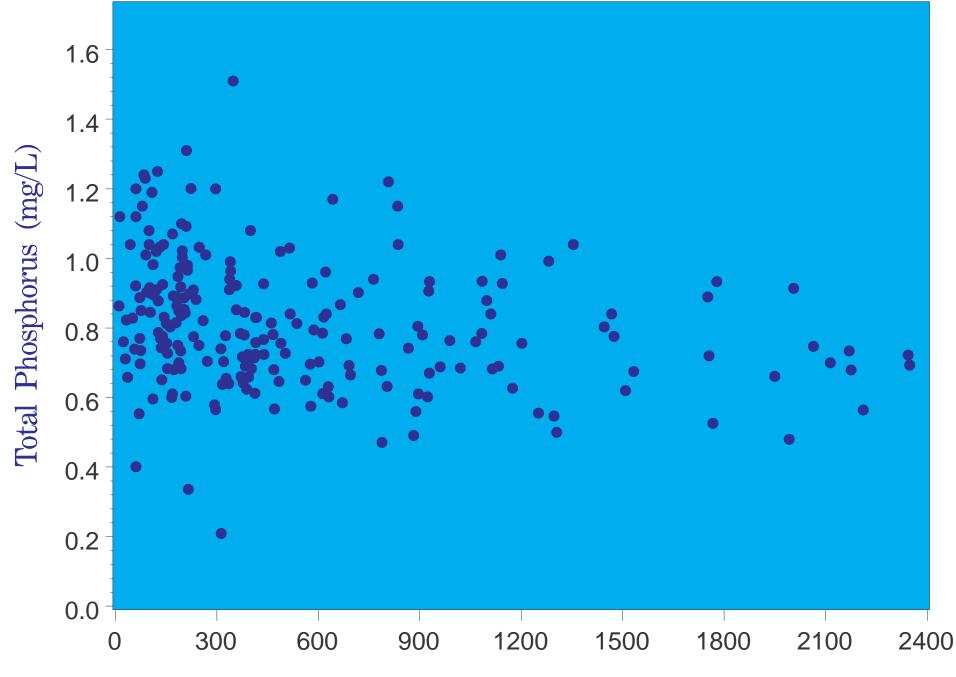


Figure 4.6.252 Surface total phosphorus versus flow - 0 ppt isohaline

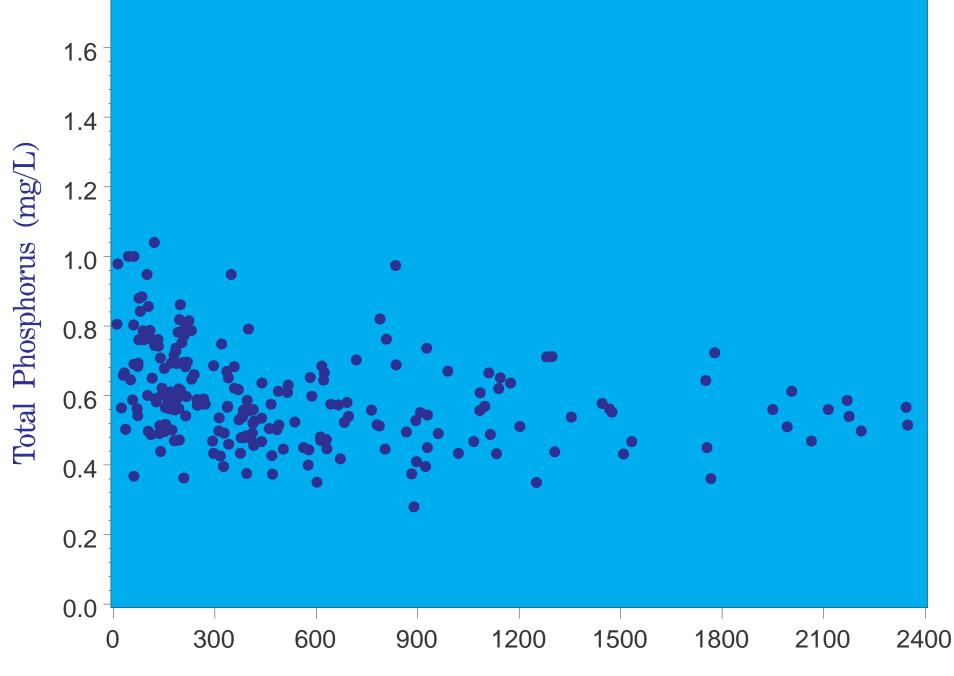


Figure 4.6.253 Surface total phosphorus versus flow - 6 ppt isohaline

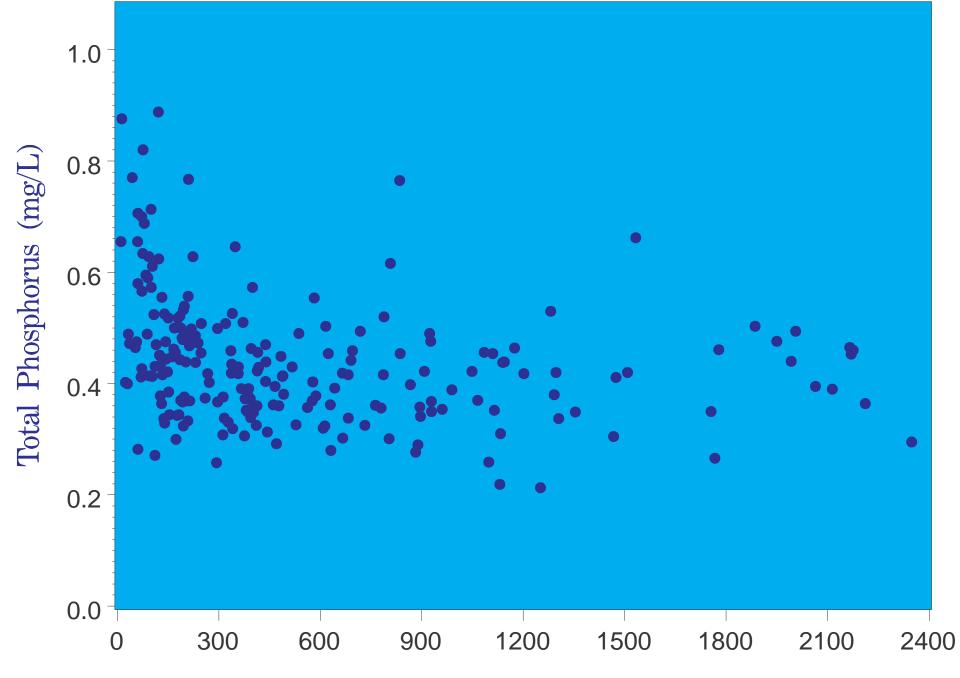


Figure 4.6.254 Surface total phosphorus versus flow - 12 ppt isohaline

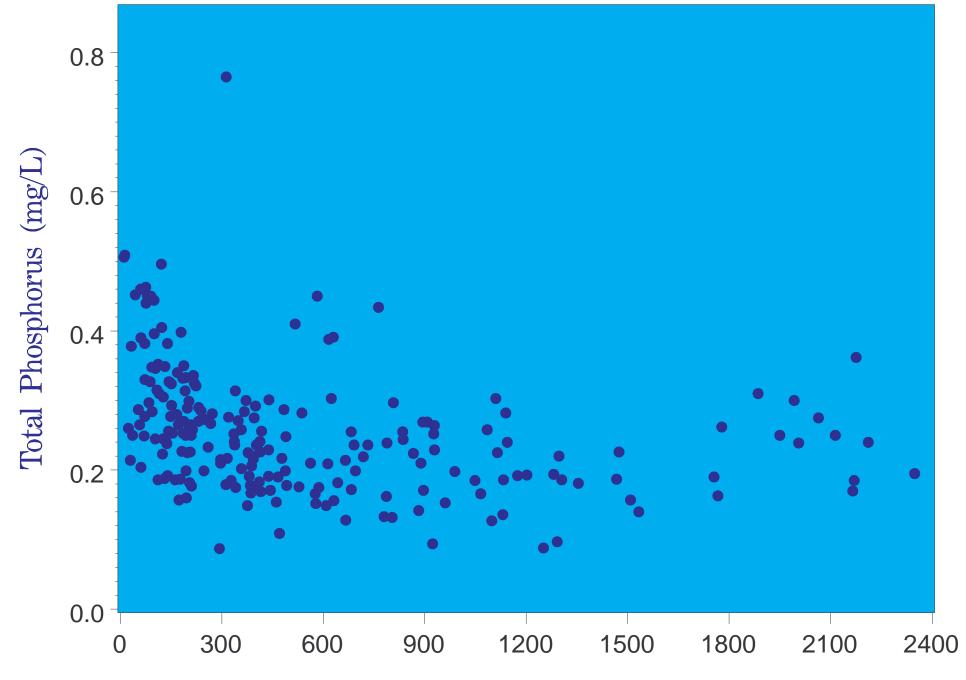


Figure 4.6.255 Surface total phosphorus versus flow - 20 ppt isohaline

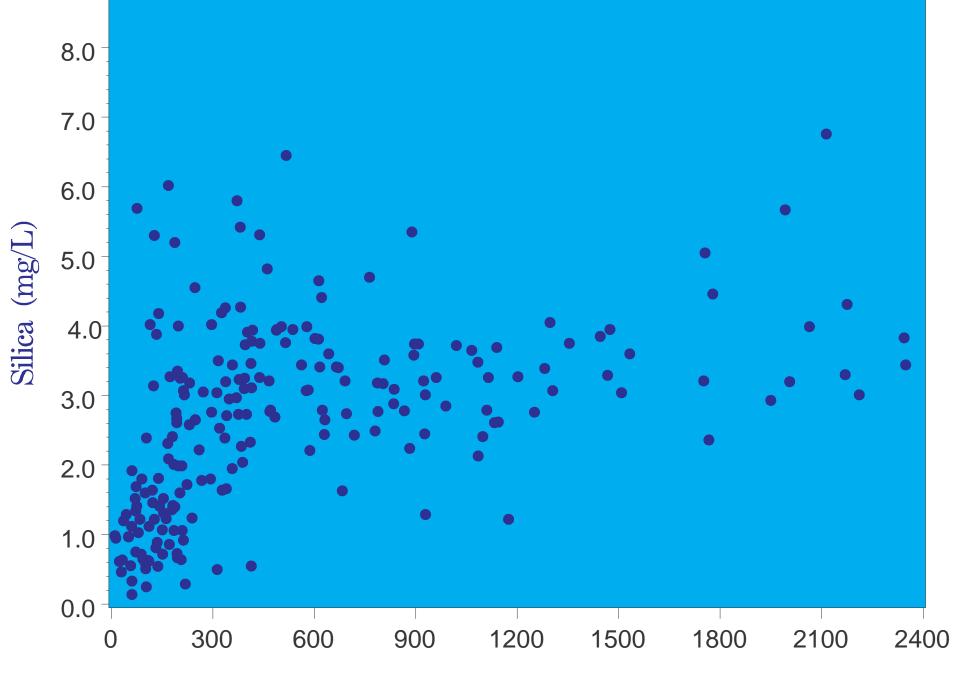


Figure 4.6.256 Surface silica versus flow - 0 ppt isohaline

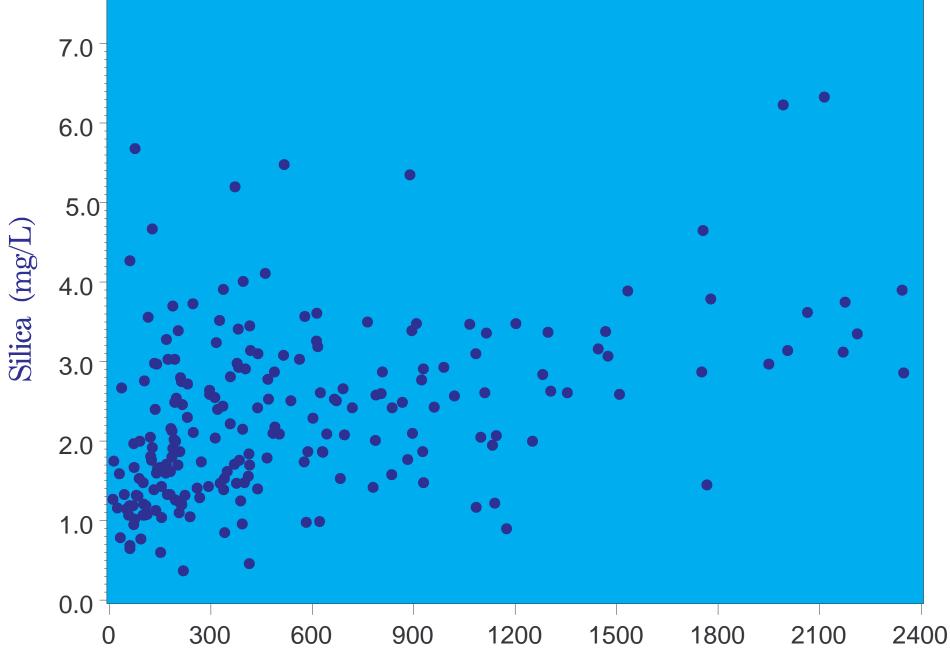


Figure 4.6.257 Surface silica versus flow - 6 ppt isohaline

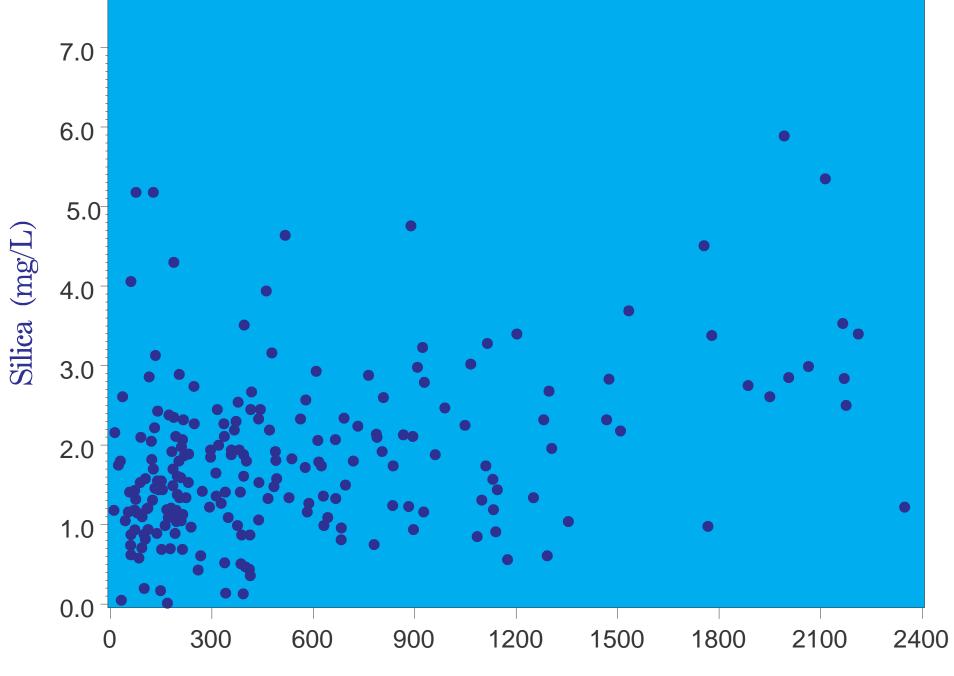


Figure 4.6.258 Surface silica versus flow - 12 ppt isohaline

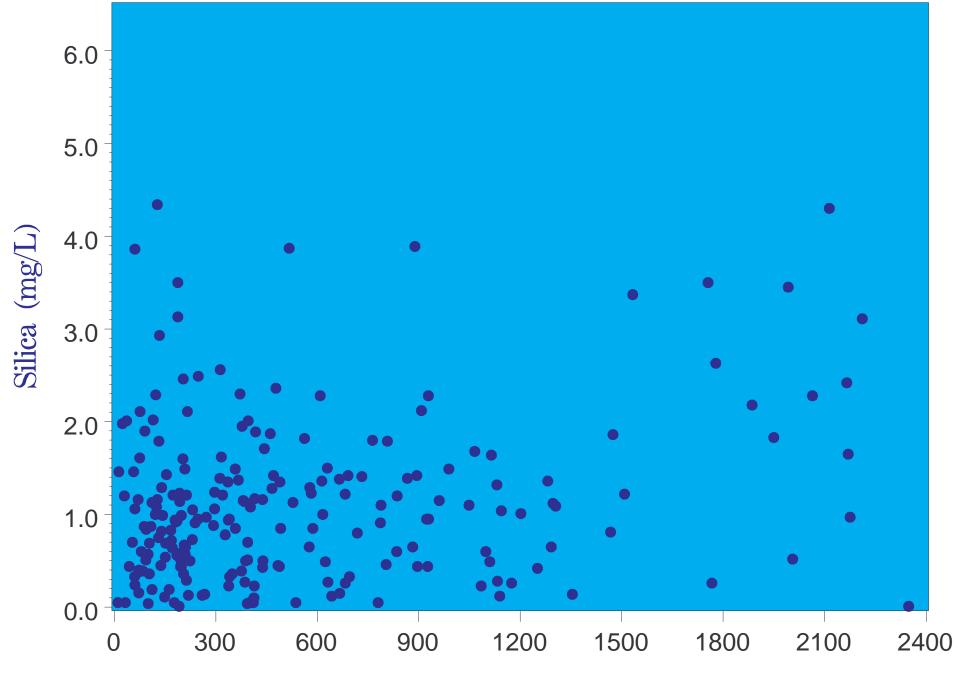


Figure 4.6.259 Surface silica versus flow - 20 ppt isohaline

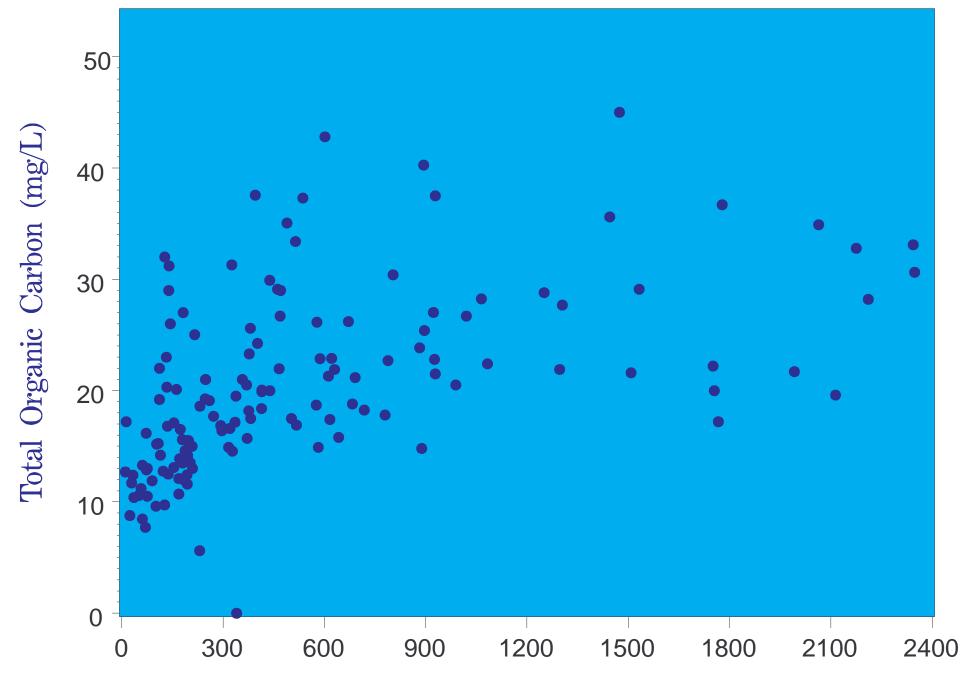


Figure 4.6.260 Surface total organic carbon versus flow - 0 ppt isohaline

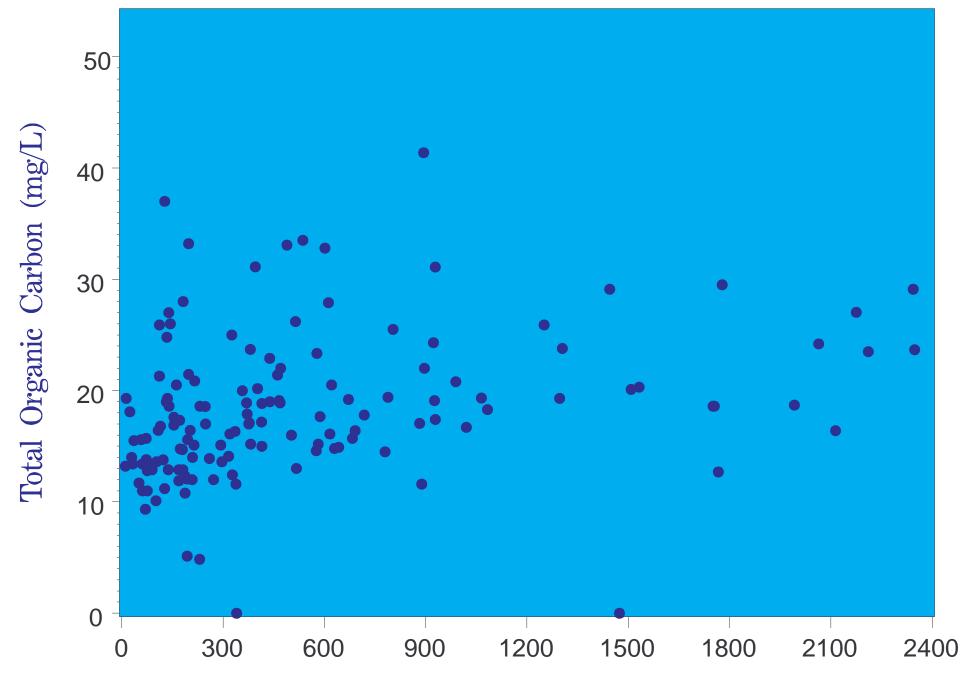


Figure 4.6.261 Surface total organic carbon versus flow - 6 ppt isohaline

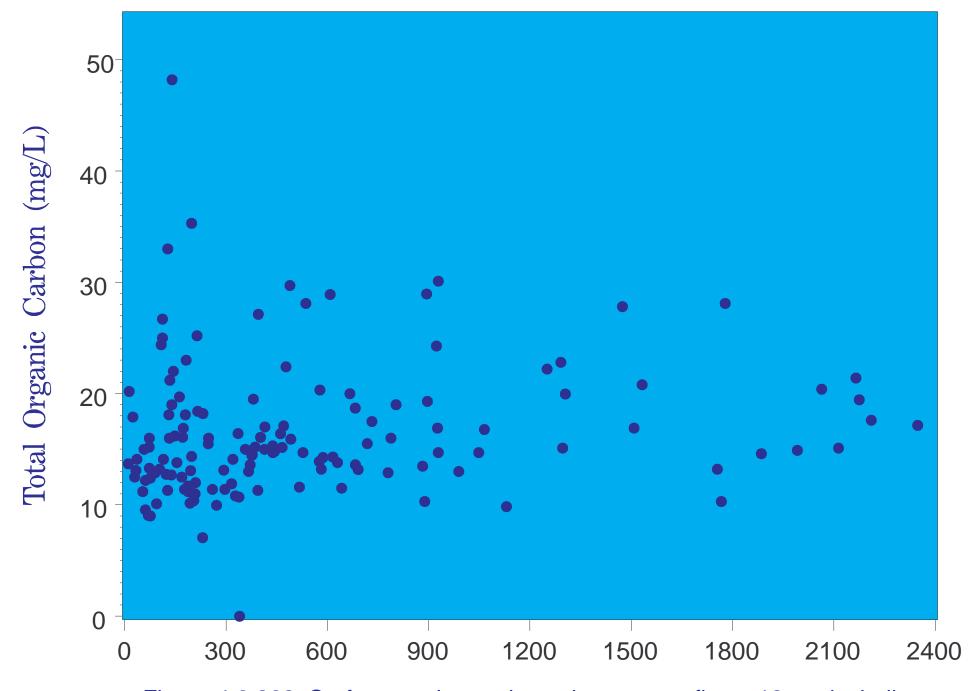


Figure 4.6.262 Surface total organic carbon versus flow - 12 ppt isohaline

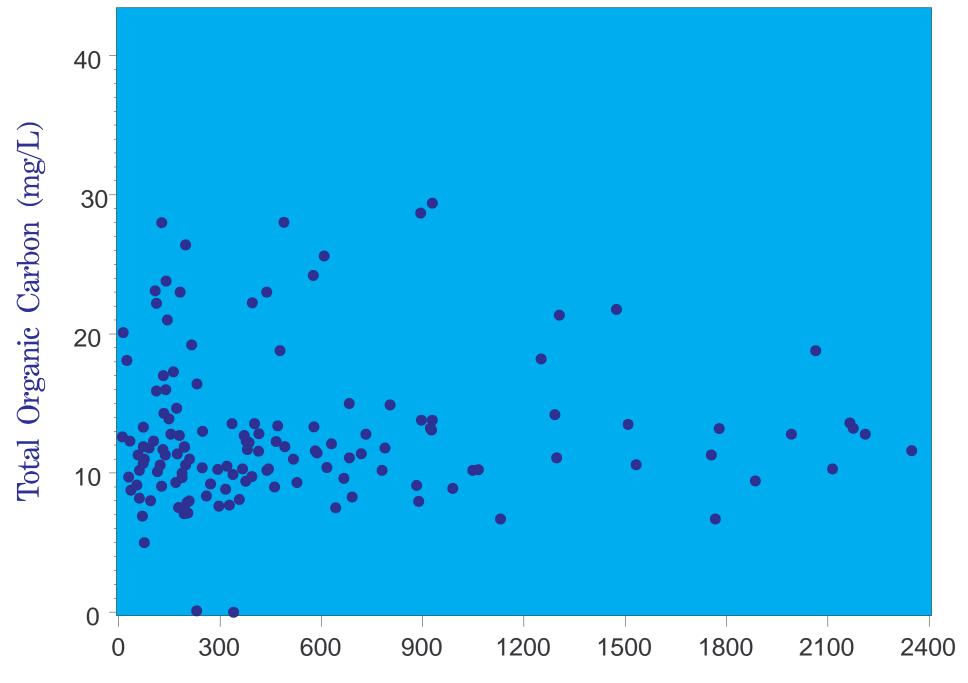


Figure 4.6.263 Surface total organic carbon versus flow - 20 ppt isohaline

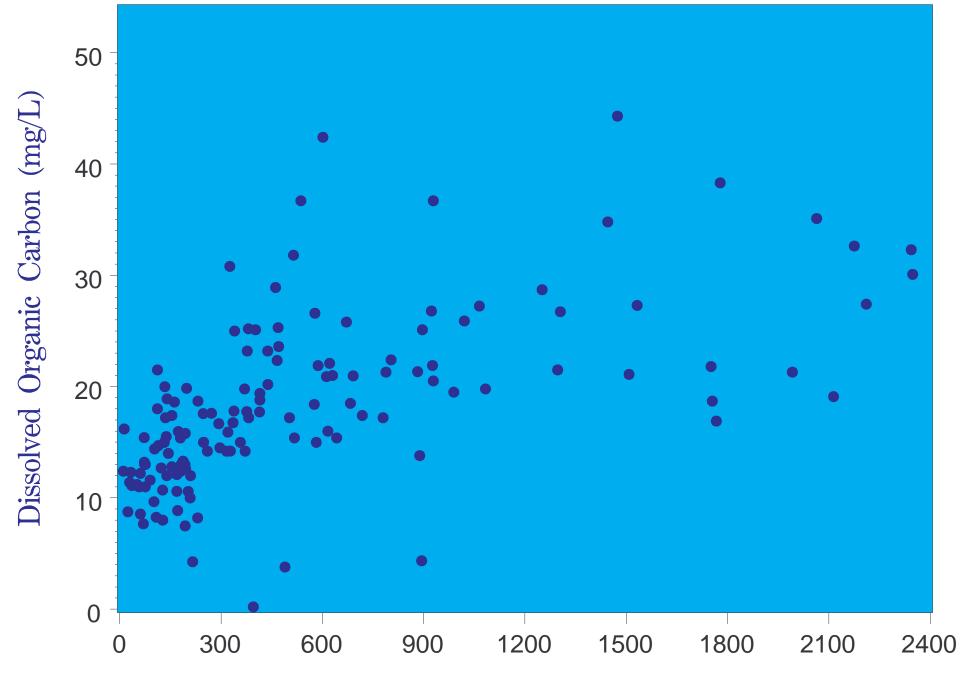


Figure 4.6.264 Surface dissolved organic carbon versus flow - 0 ppt isohaline

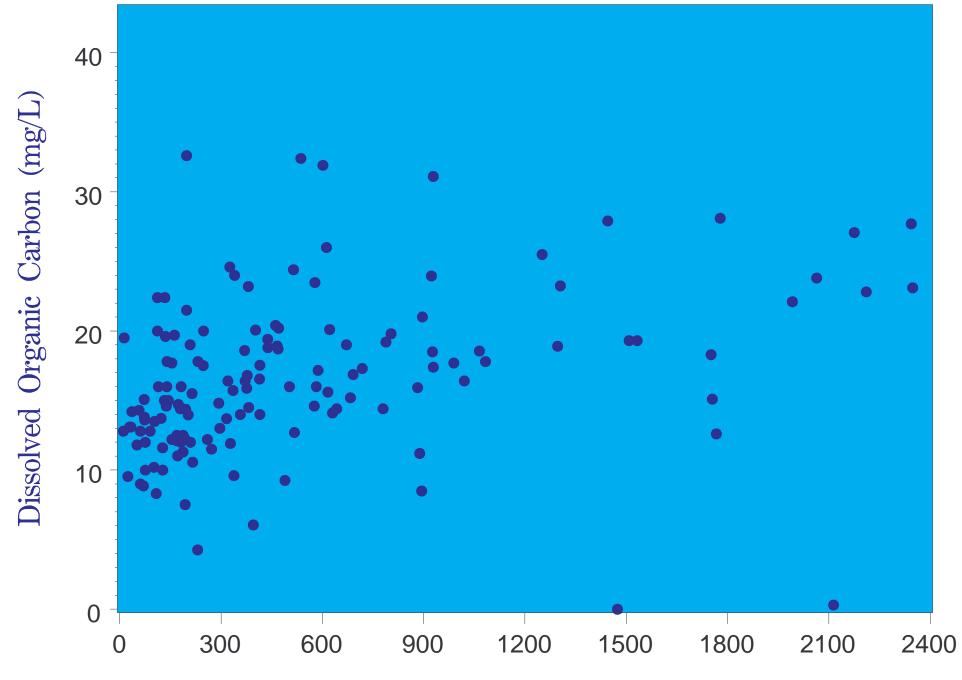


Figure 4.6.265 Surface dissolved organic carbon versus flow - 6 ppt isohaline

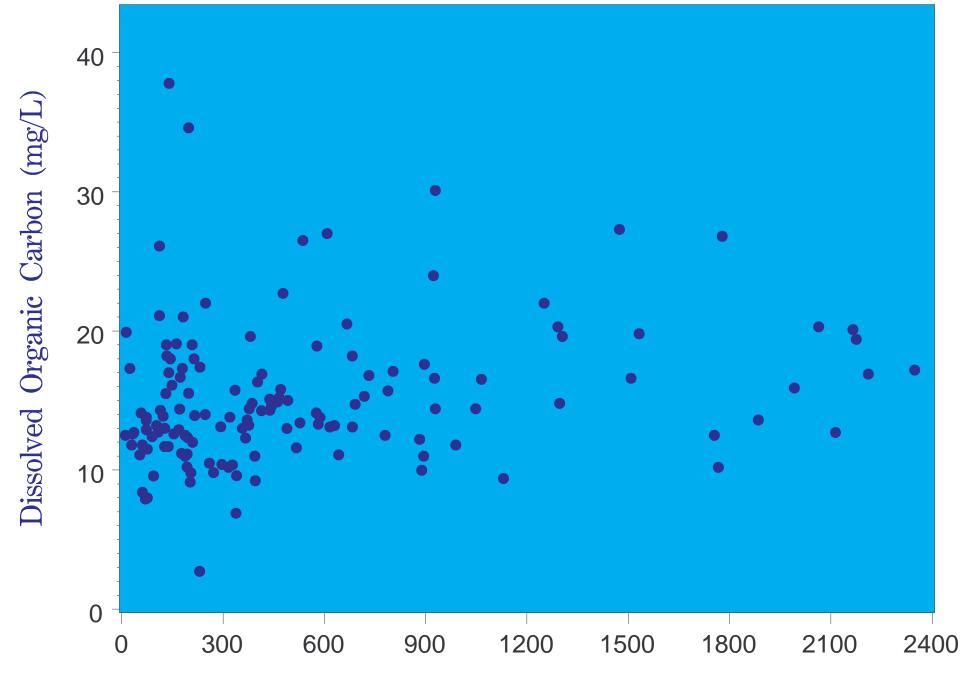


Figure 4.6.266 Surface dissolved organic carbon versus flow - 12 ppt isohaline

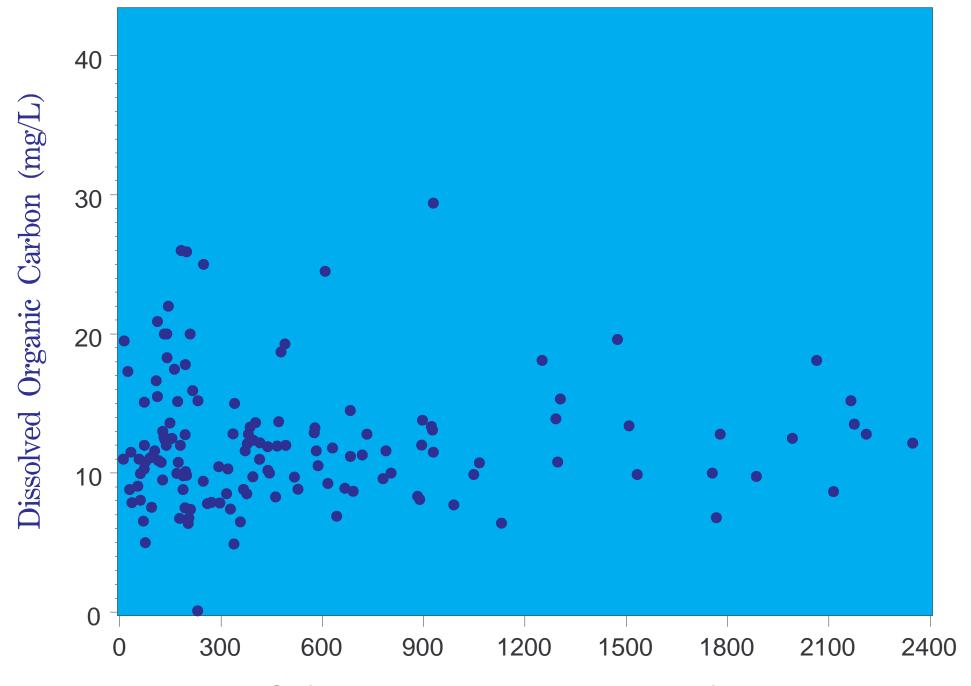


Figure 4.6.267 Surface dissolved organic carbon versus flow - 20 ppt isohaline

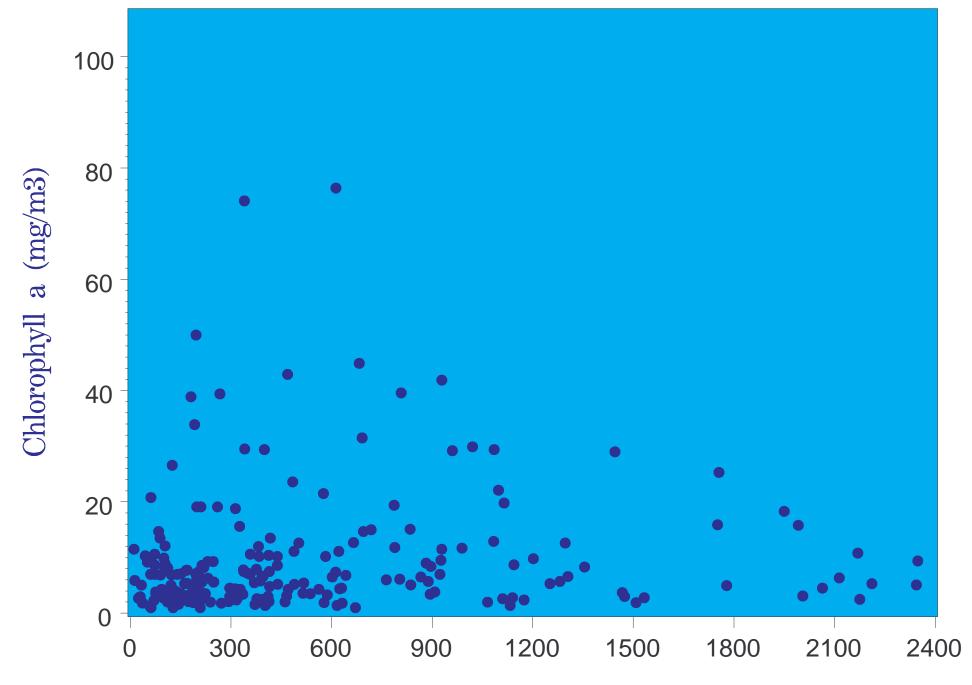


Figure 4.6.268 Surface chlorophyll a versus flow - 0 ppt isohaline

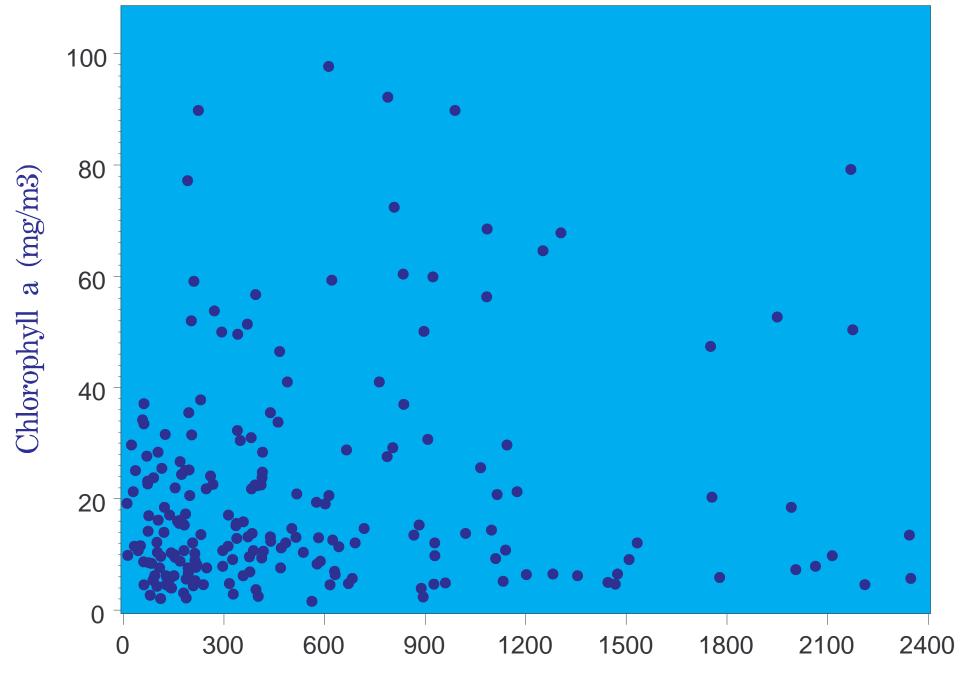


Figure 4.6.269 Surface chlorophyll a versus flow - 6 ppt isohaline

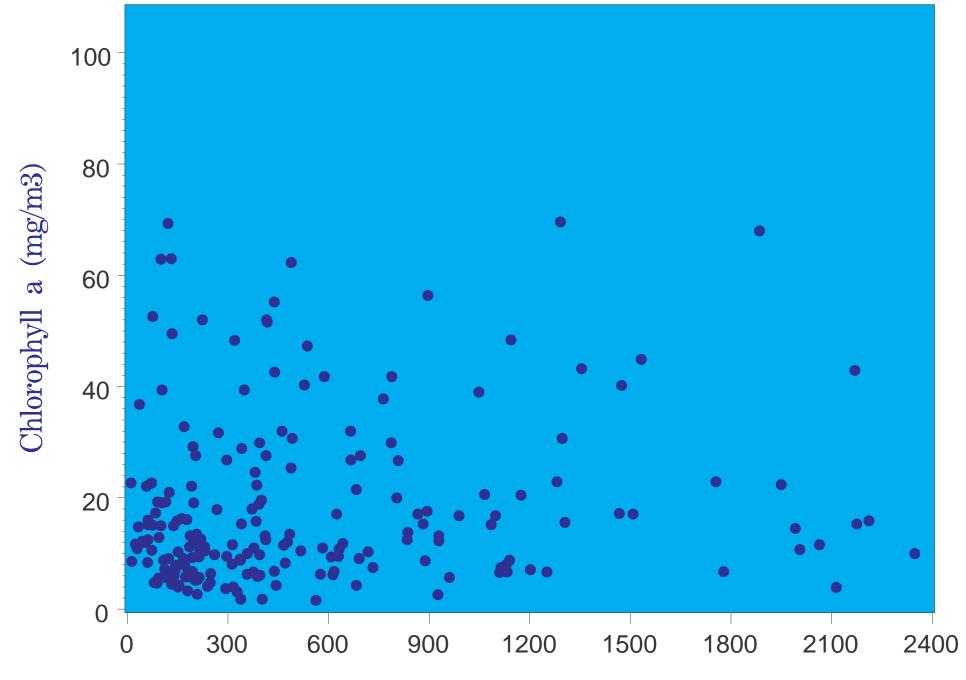


Figure 4.6.270 Surface chlorophyll a versus flow - 12 ppt isohaline

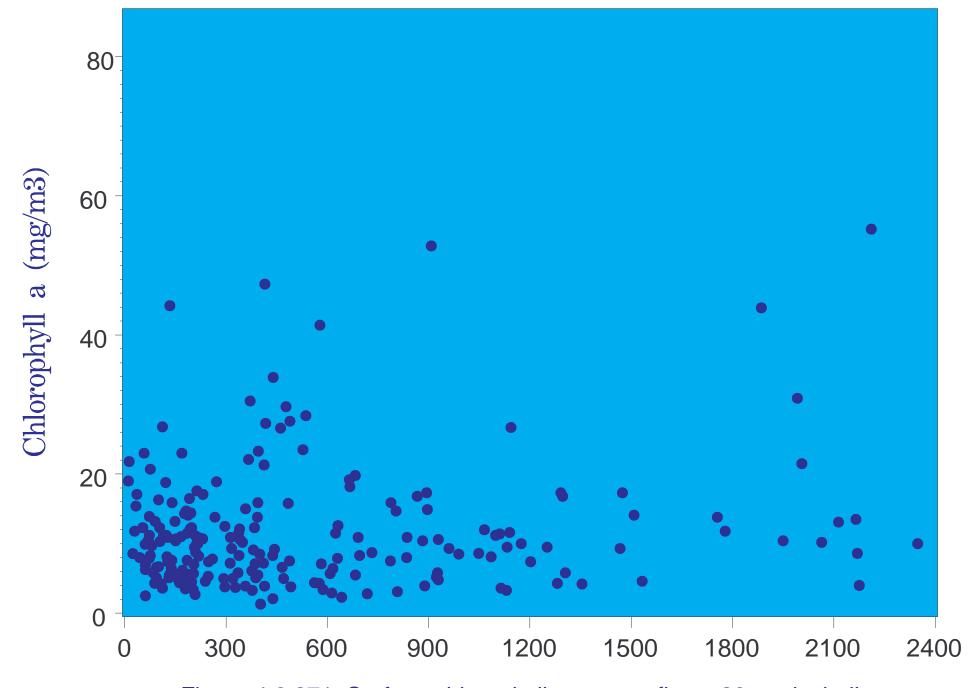


Figure 4.6.271 Surface chlorophyll a versus flow - 20 ppt isohaline

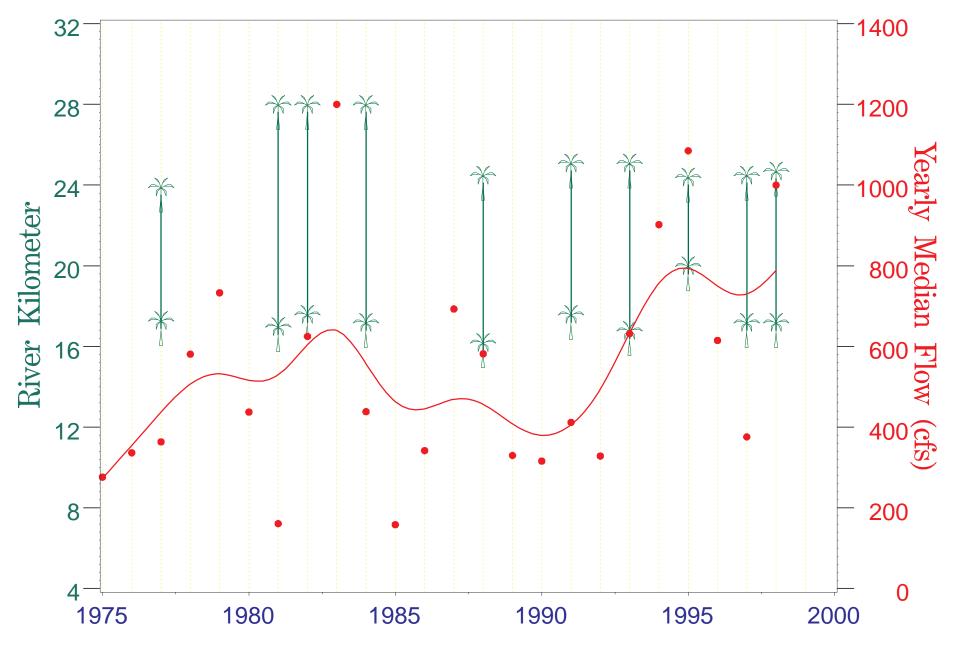


Figure 4.7.1 Long-term first and last occurences of Sawgrass (Cladium jamaicense)

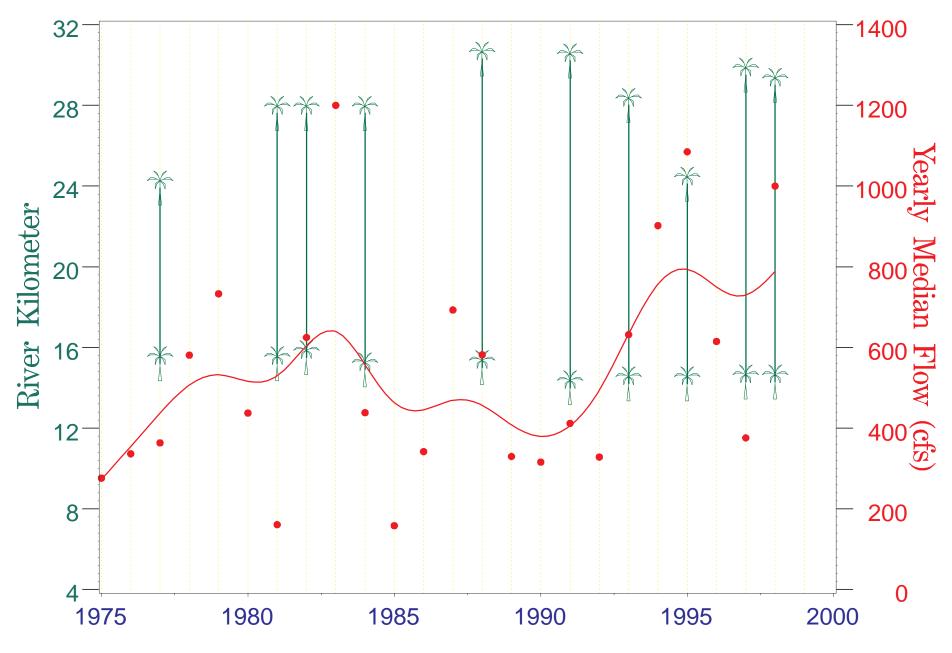


Figure 4.7.2 Long-term first and last occurences of Bulrush (Scirpus validus)

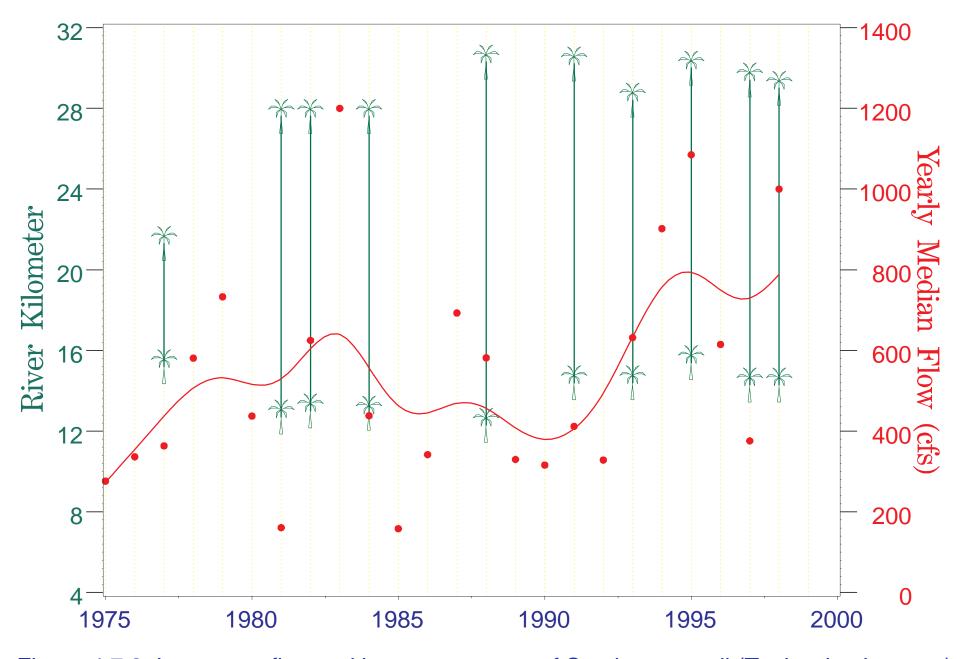


Figure 4.7.3 Long-term first and last occurences of Southern cattail (Typha domingenss)

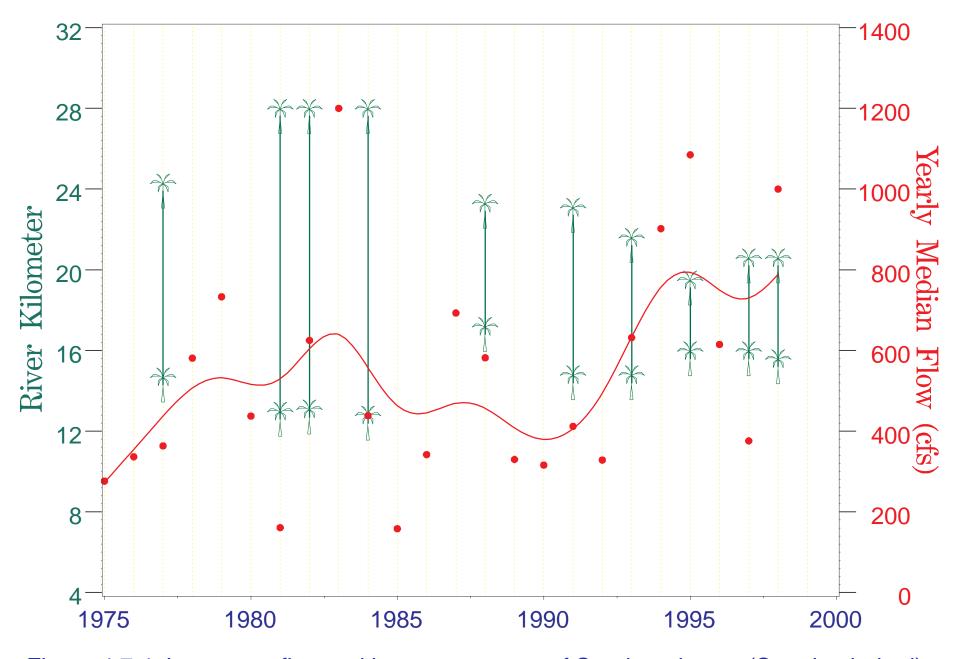


Figure 4.7.4 Long-term first and last occurences of Sand cordgrass (Spartina bakeri)

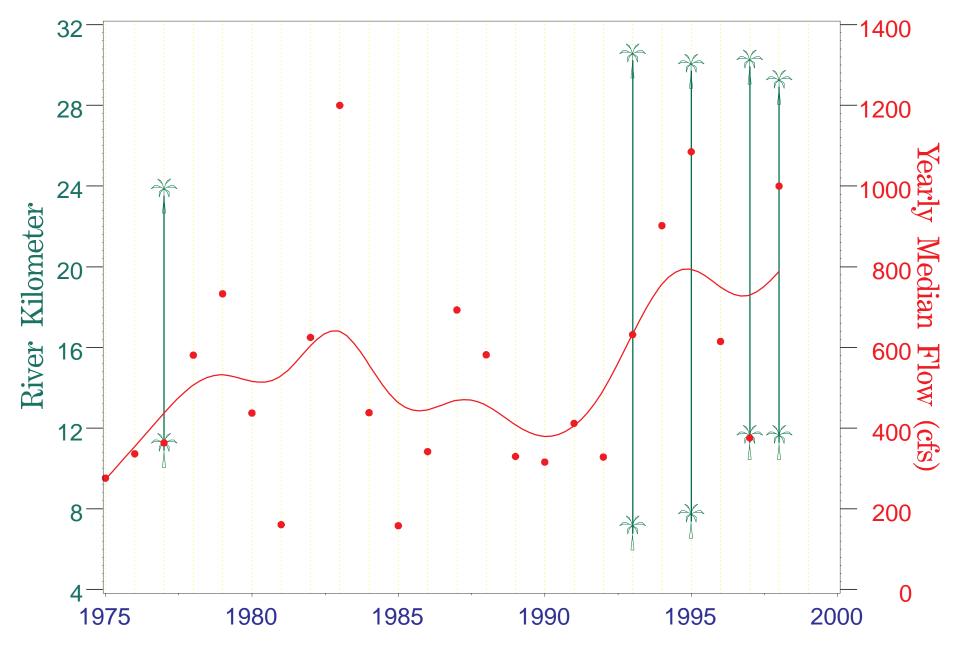


Figure 4.7.5 Long-term first and last occurences of Leather fern (Acrostichum danaeifol)

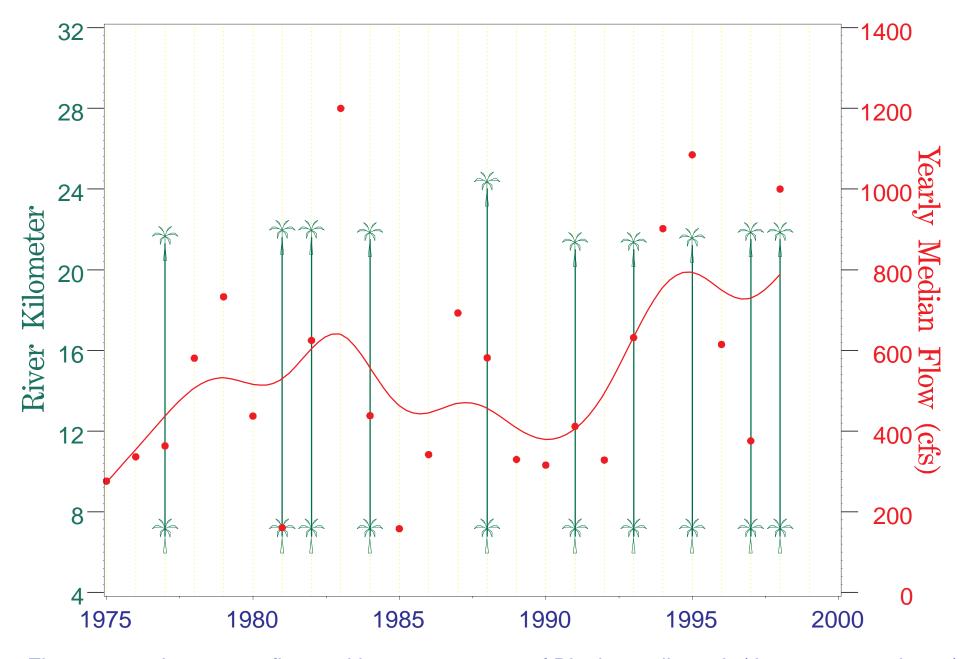


Figure 4.7.6 Long-term first and last occurences of Black needle rush (Juncus roemerianus)

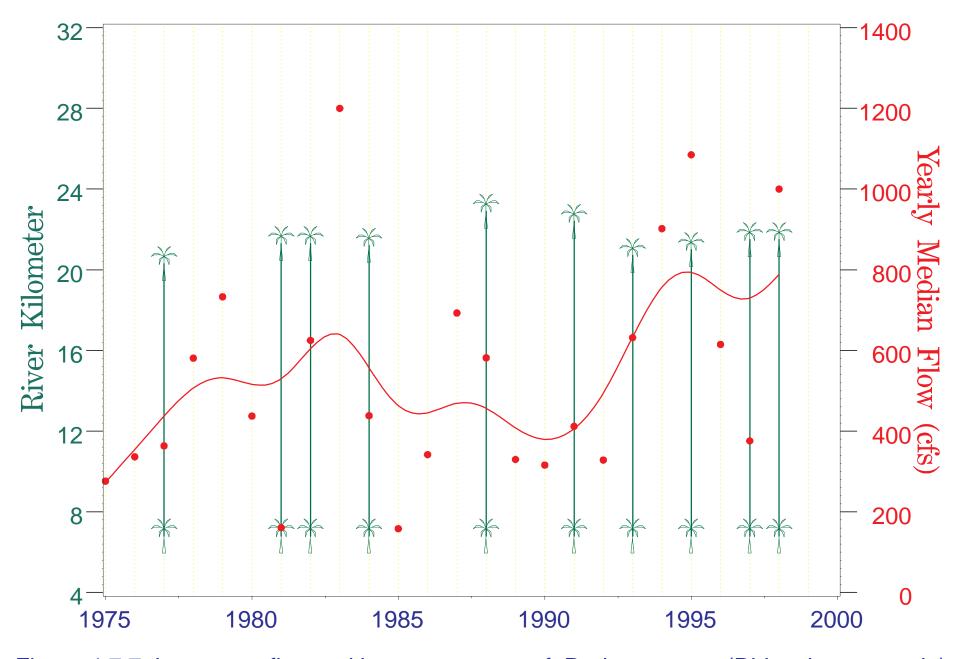


Figure 4.7.7 Long-term first and last occurences of Red mangrove (Rhizophora mangle)

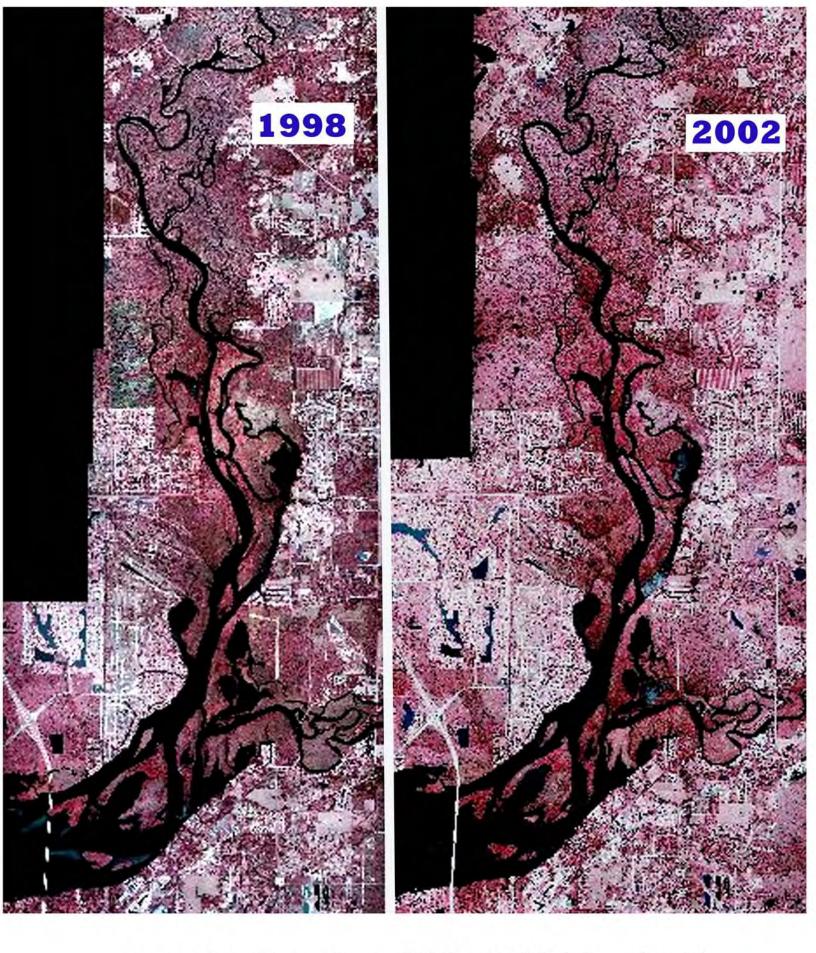


Figure 4.7.8 Comparisons of 1998 and 2002 infra-red aerials

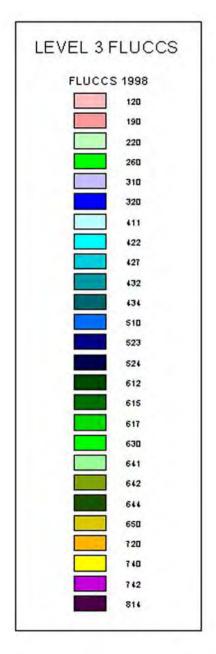
1998 2002





Figure 4.7.9 Example of "forward dating" process

Figure 4.7.10
1998 Lower Peace River
FLUCCS



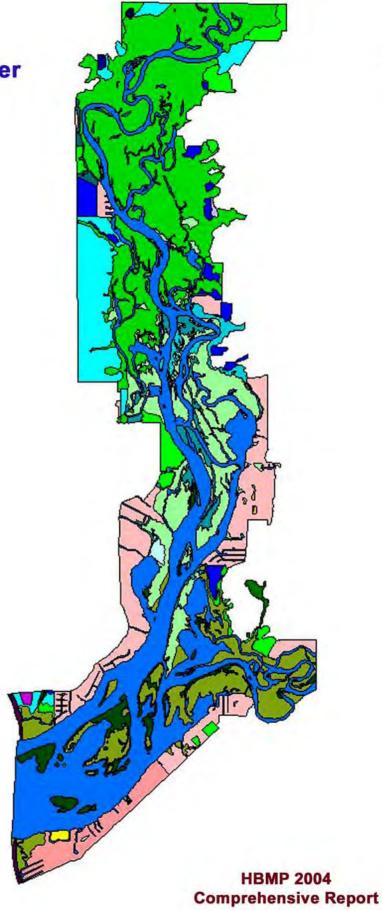
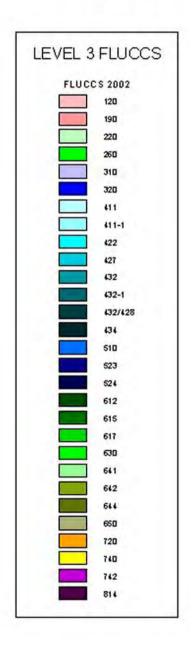
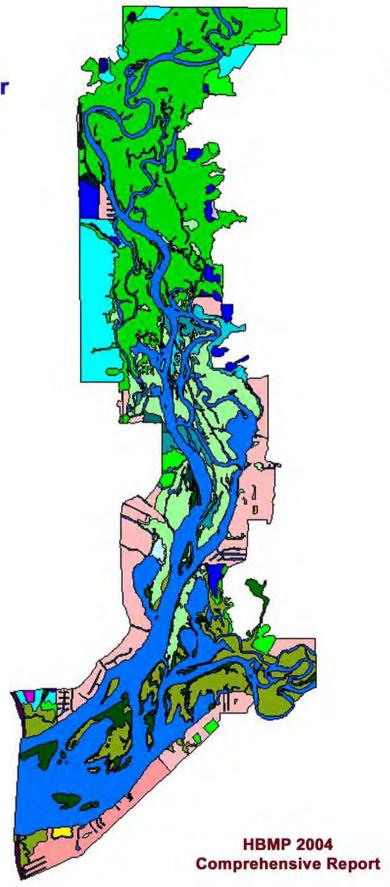
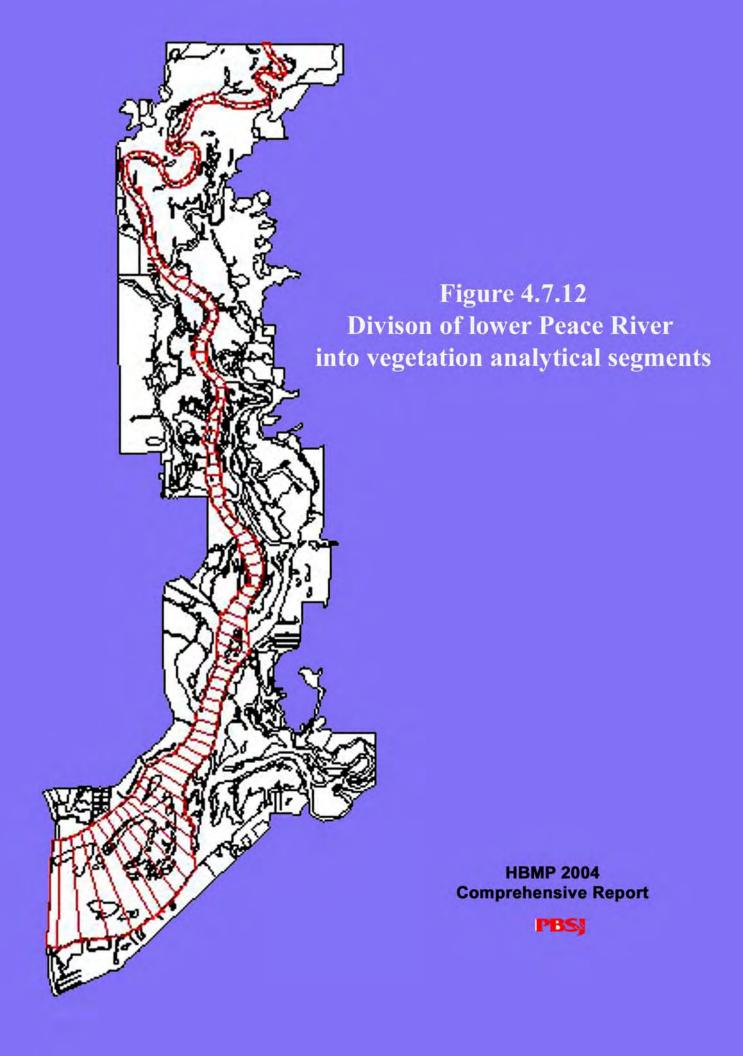


Figure 4.7.11
2002 Lower Peace River
FLUCCS









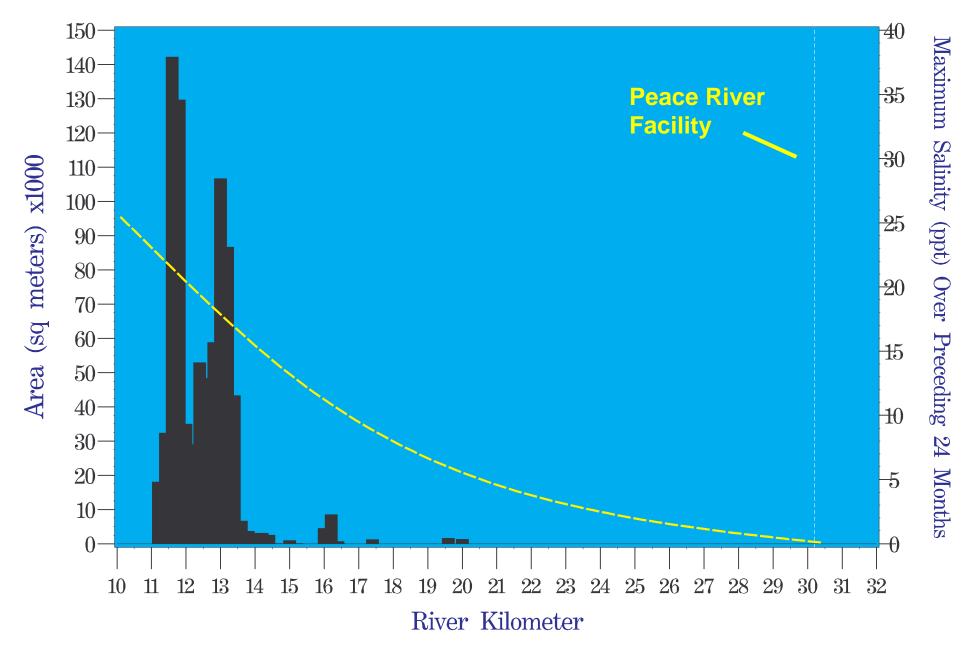


Figure 4.7.13a Riverine mangrove riparian habitat -1998

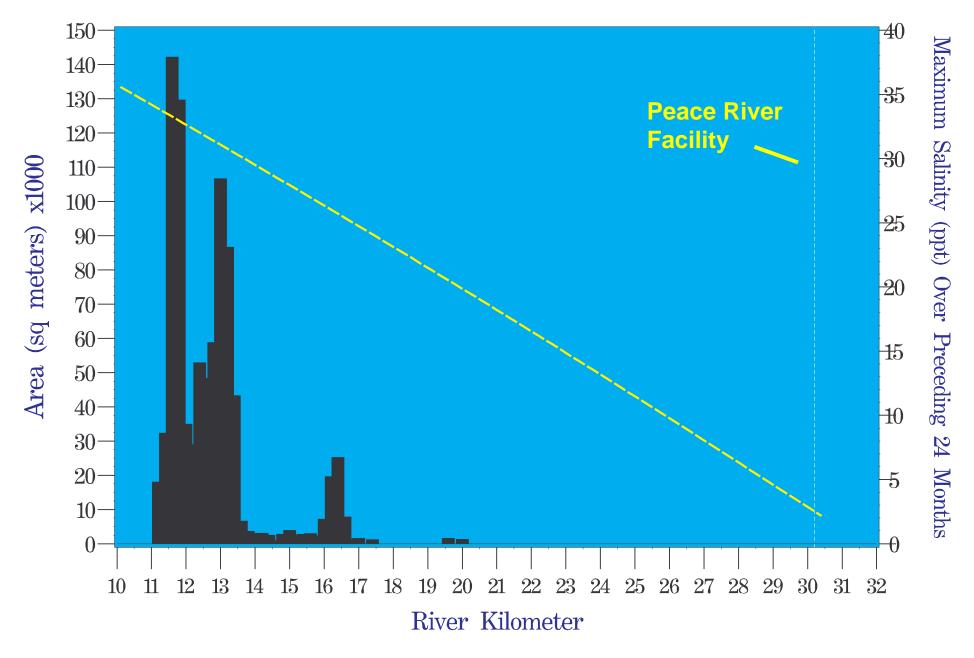


Figure 4.7.13b Riverine mangrove riparian habitat -2002

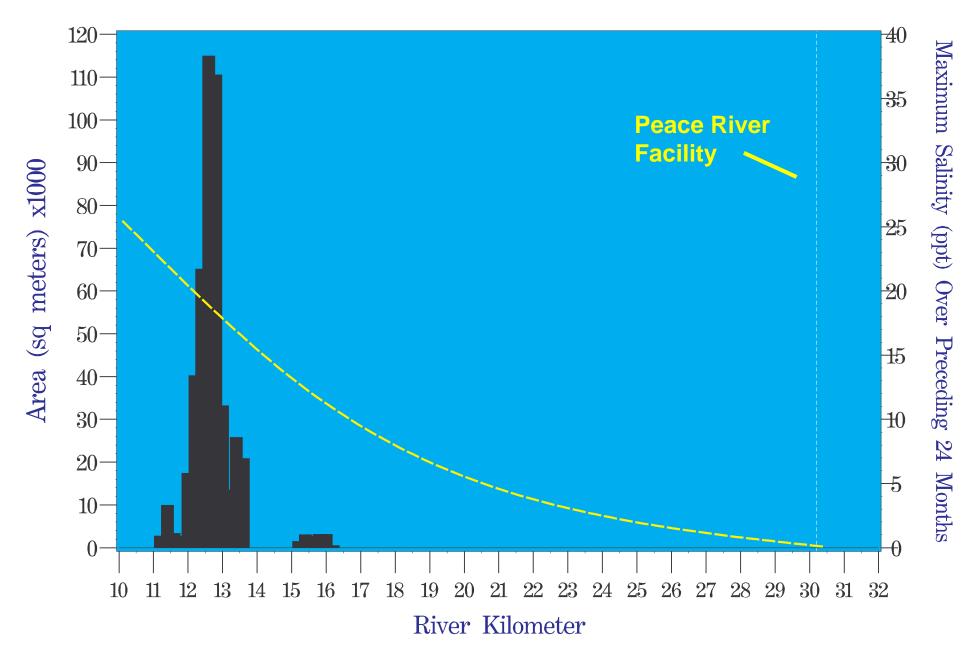


Figure 4.7.14a Riverine saltwater marsh riparian habitat -1998

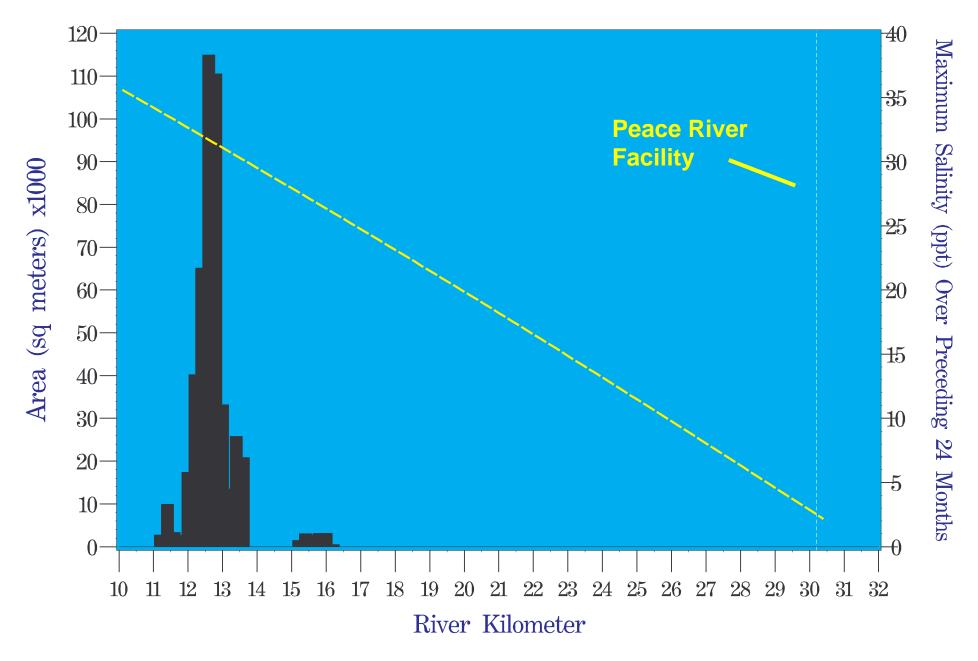


Figure 4.7.14b Riverine saltwater marsh riparian habitat -2002

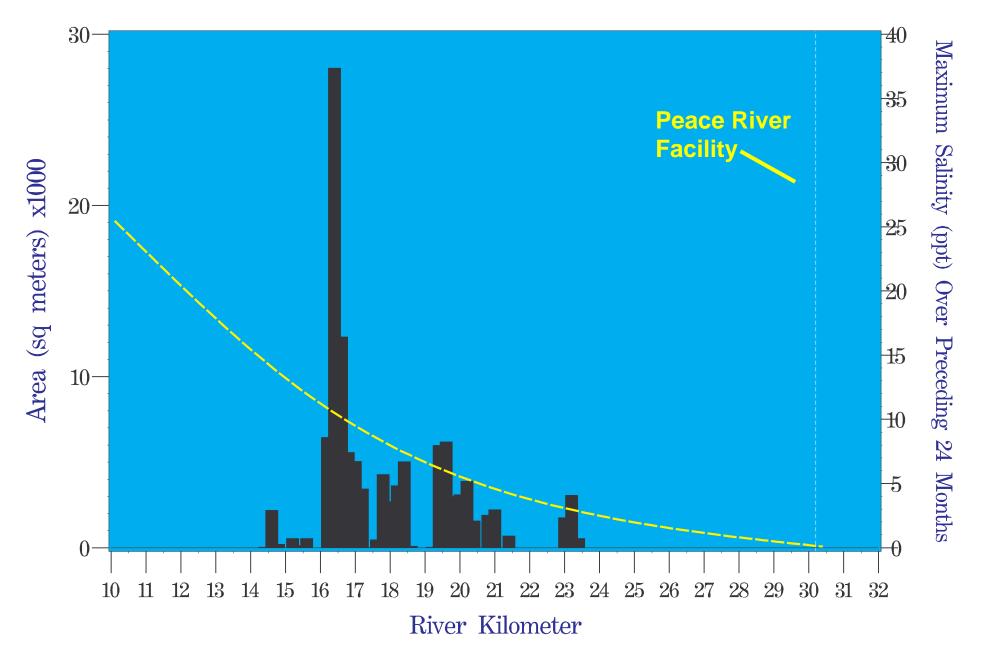


Figure 4.7.15a Riverine freshwater marsh riparian habitat -1998

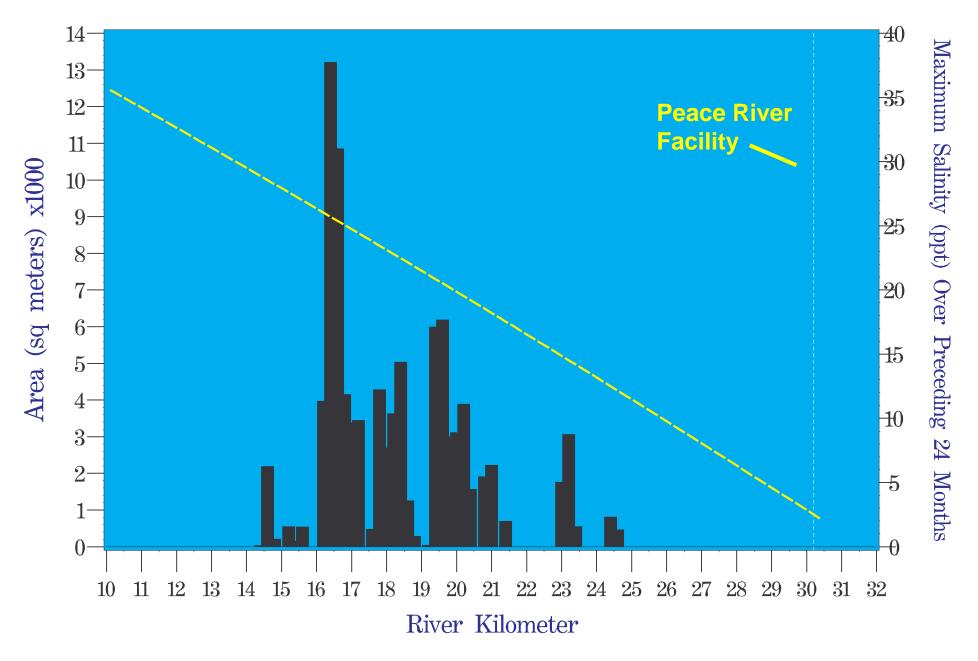


Figure 4.7.15b Riverine freshwater marsh riparian habitat -2002

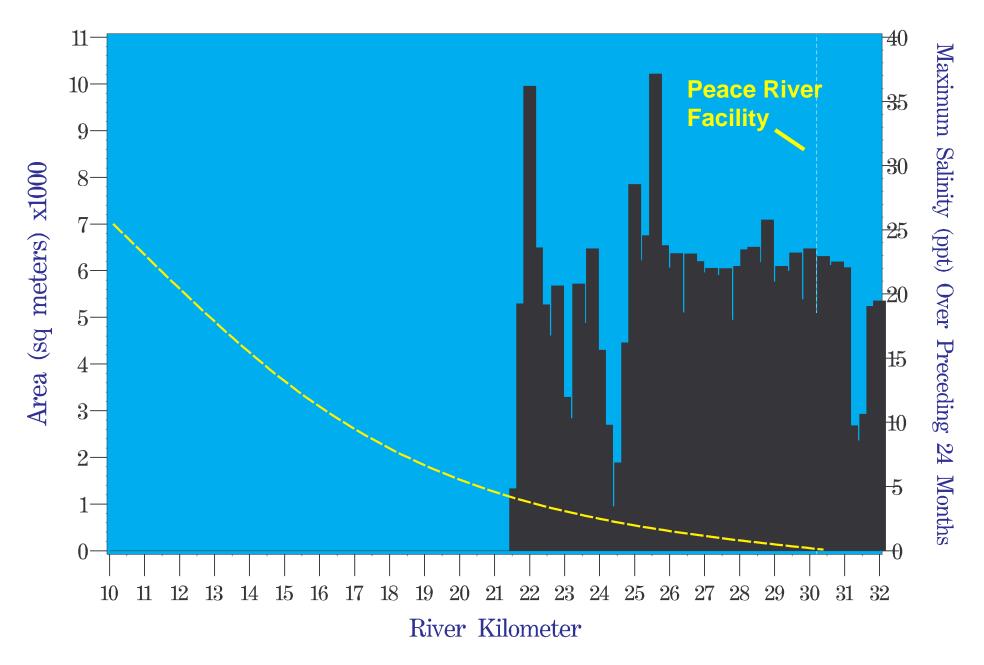


Figure 4.7.16a Riverine mixed hardwood riparian habitat -1998

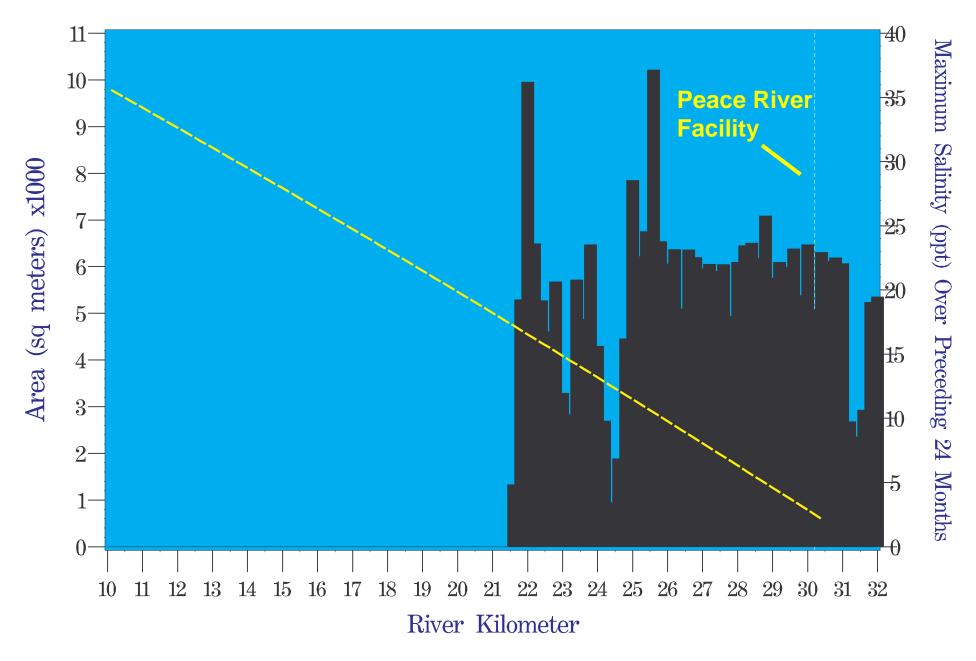


Figure 4.7.16b Riverine mixed hardwood riparian habitat -2002

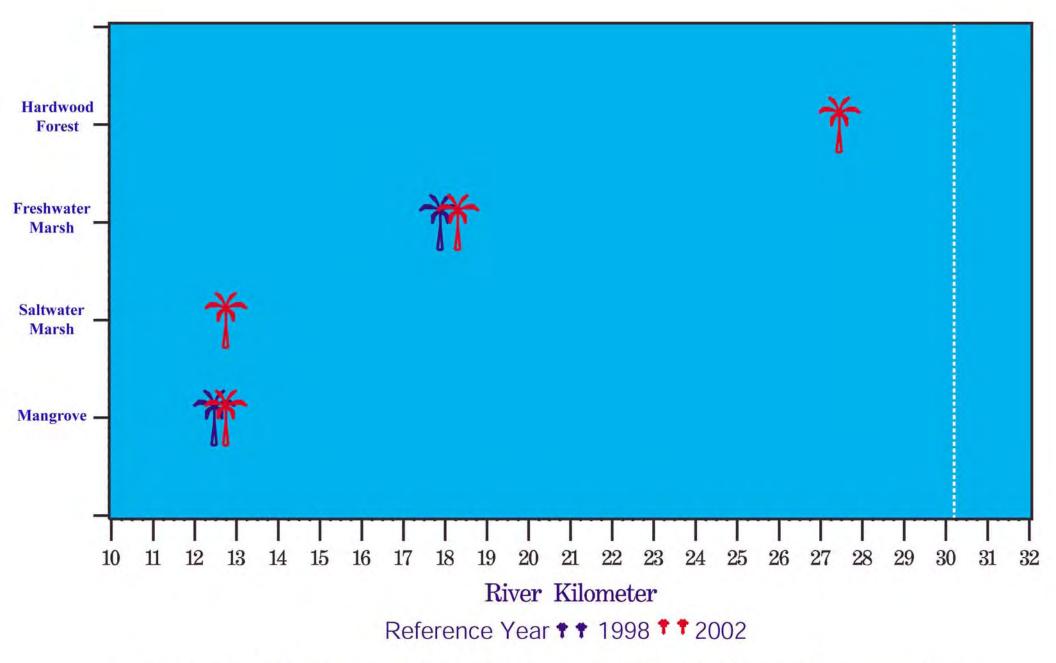
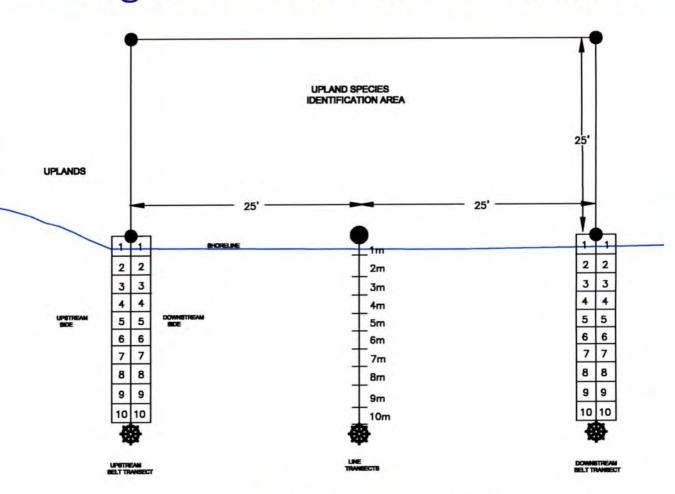


Figure 4.7.17 Comparisons of centers of abundances of major vegetation associations

Figure 4.7.18 Diagram of Belt Transect Method

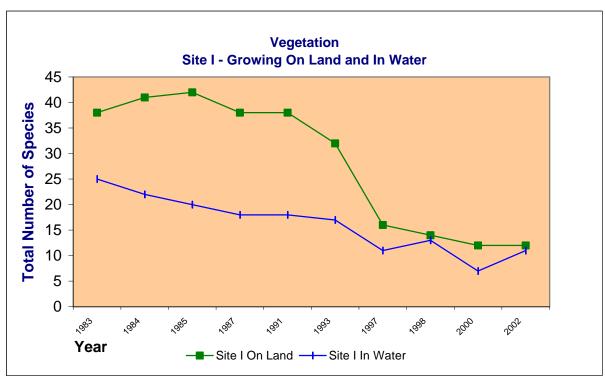


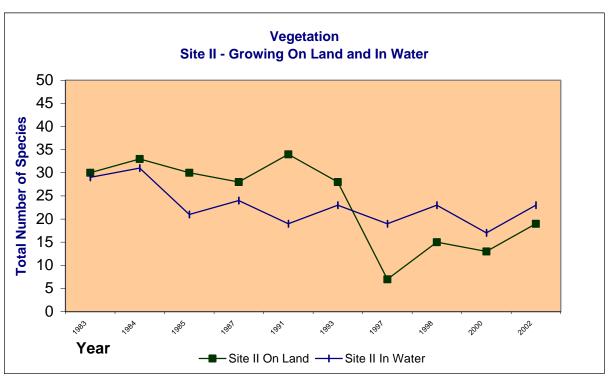
Peace River

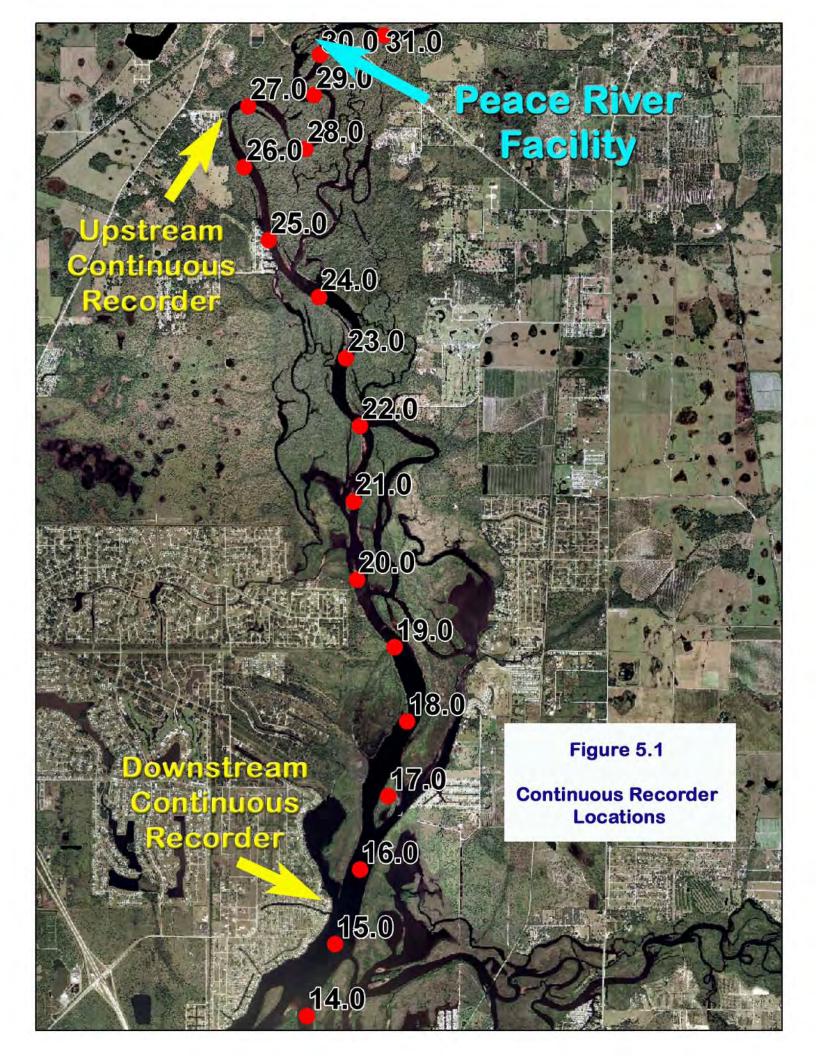


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Figure 4.7.19
Transitional Vegetation Sites
Total Number of Species 1983-2003







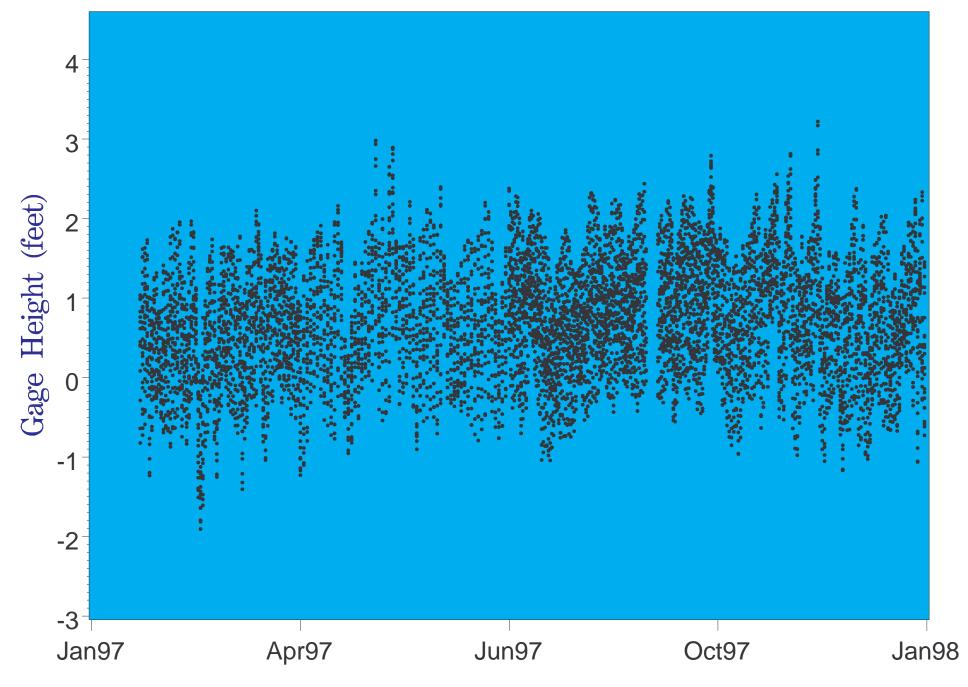


Figure 5.2a Hourly gage height at Harbour Heights (RK 15.5) - 1997

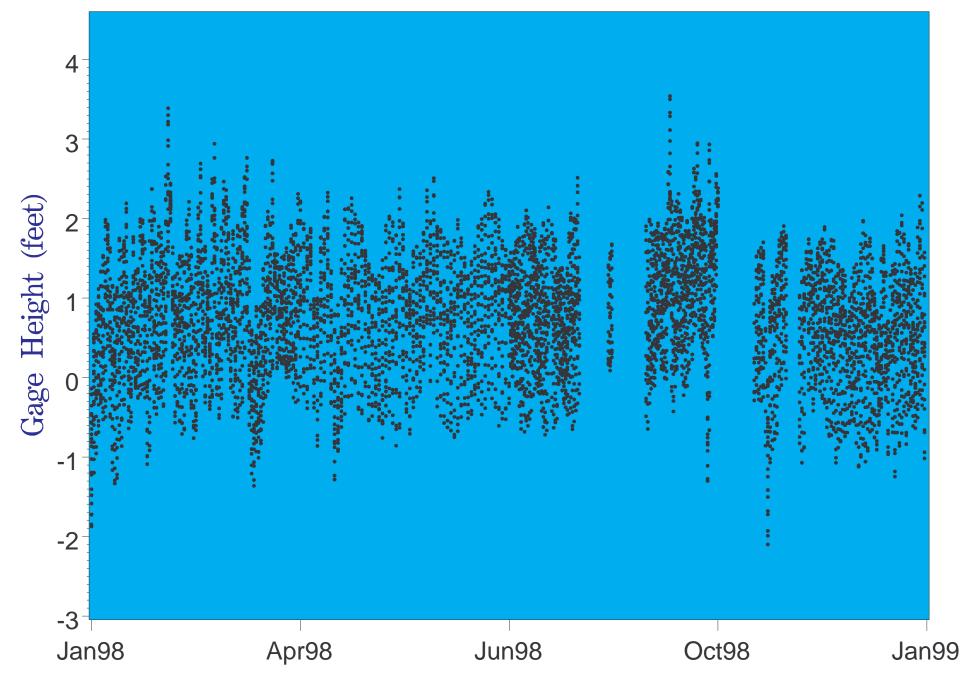


Figure 5.2b Hourly gage height at Harbour Heights (RK 15.5) - 1998

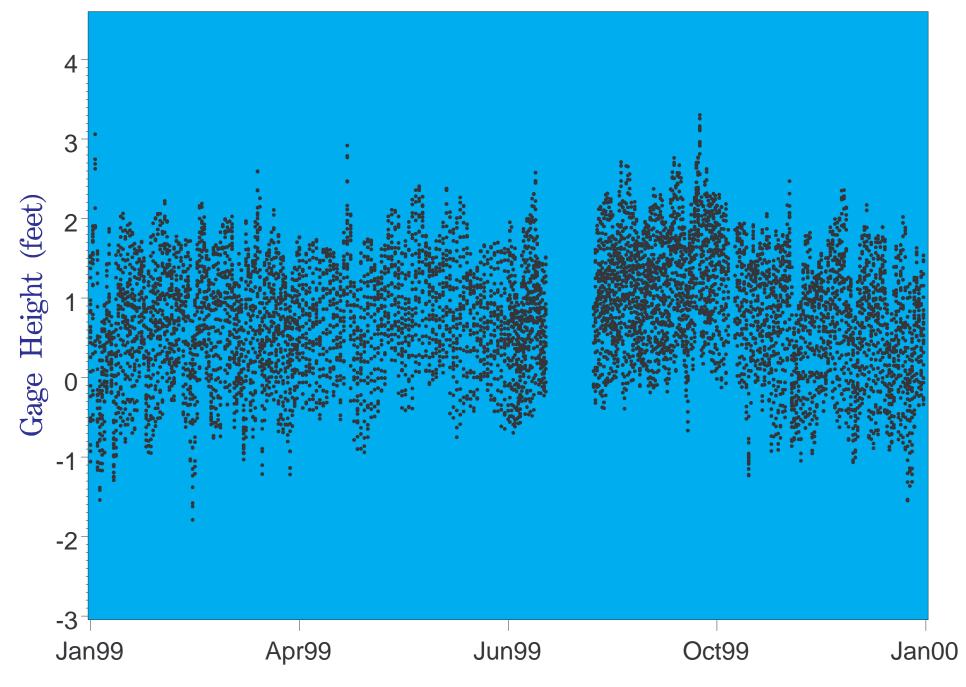


Figure 5.2c Hourly gage height at Harbour Heights (RK 15.5) - 1999

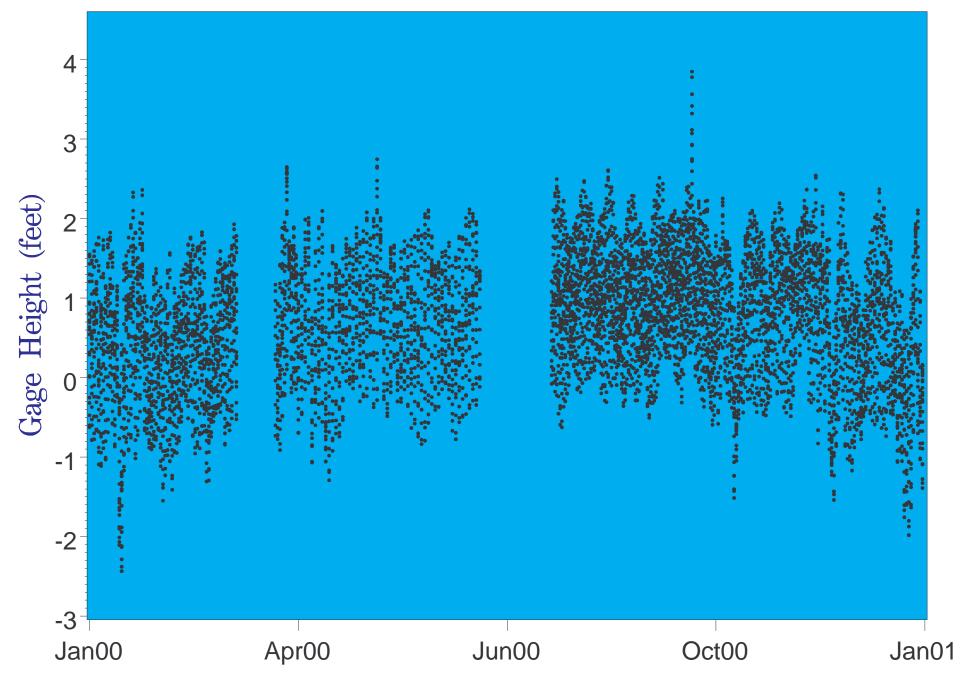


Figure 5.2d Hourly gage height at Harbour Heights (RK 15.5) - 2000

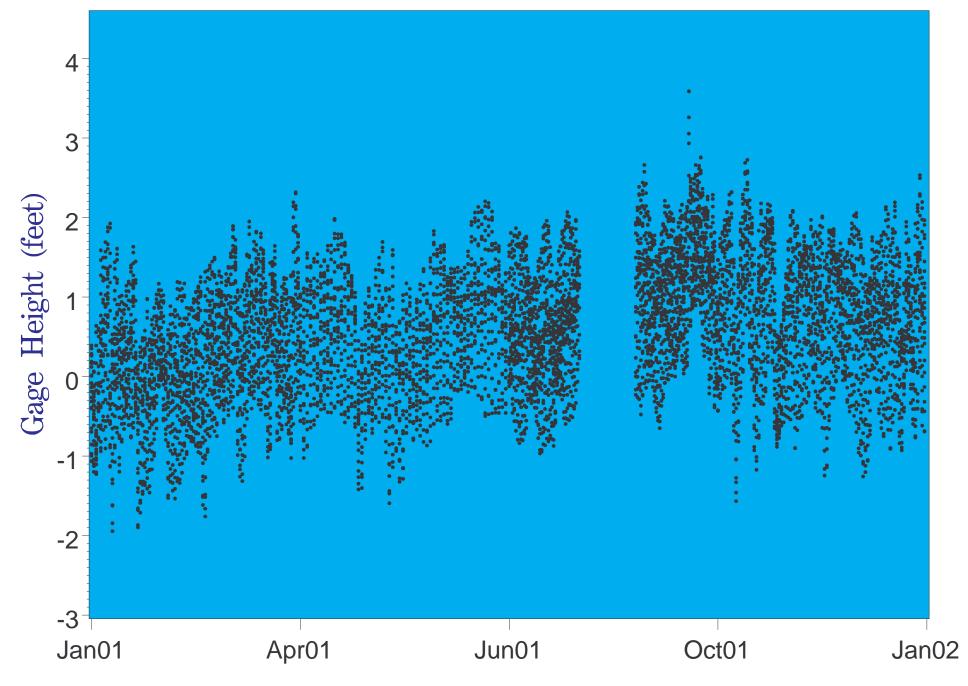


Figure 5.2e Hourly gage height at Harbour Heights (RK 15.5) - 2001

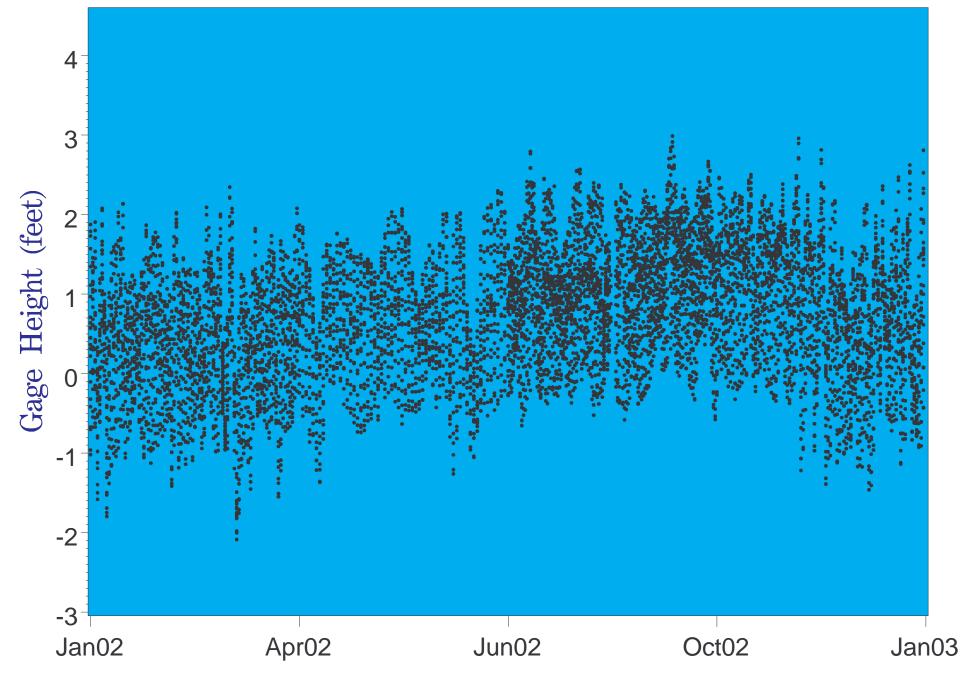


Figure 5.2f Hourly gage height at Harbour Heights (RK 15.5) - 2002

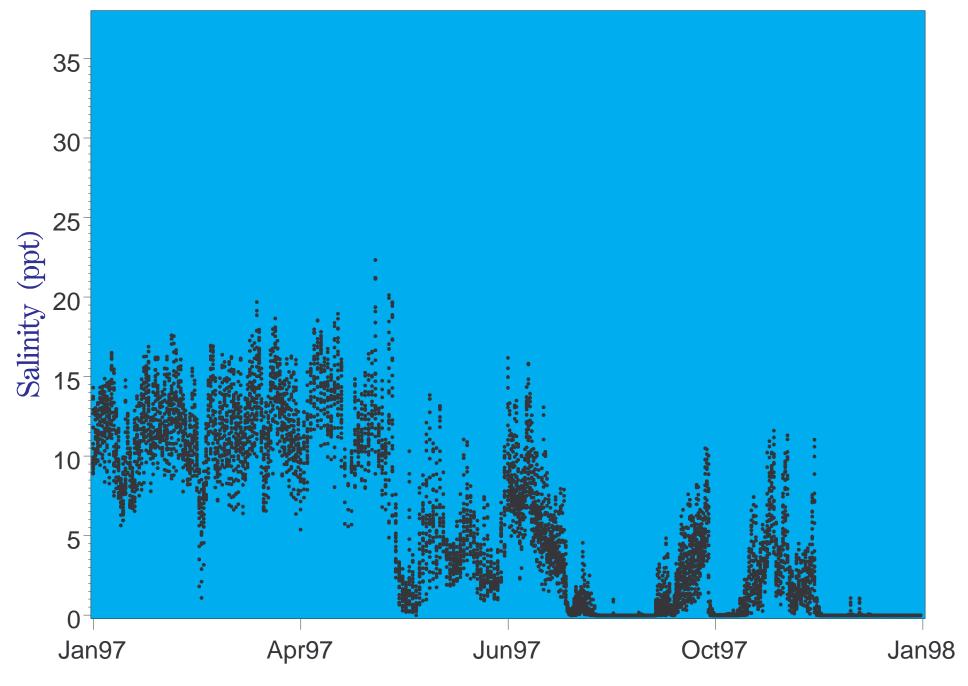


Figure 5.3a Hourly surface salinity at Harbour Heights (RK 15.5) - 1997

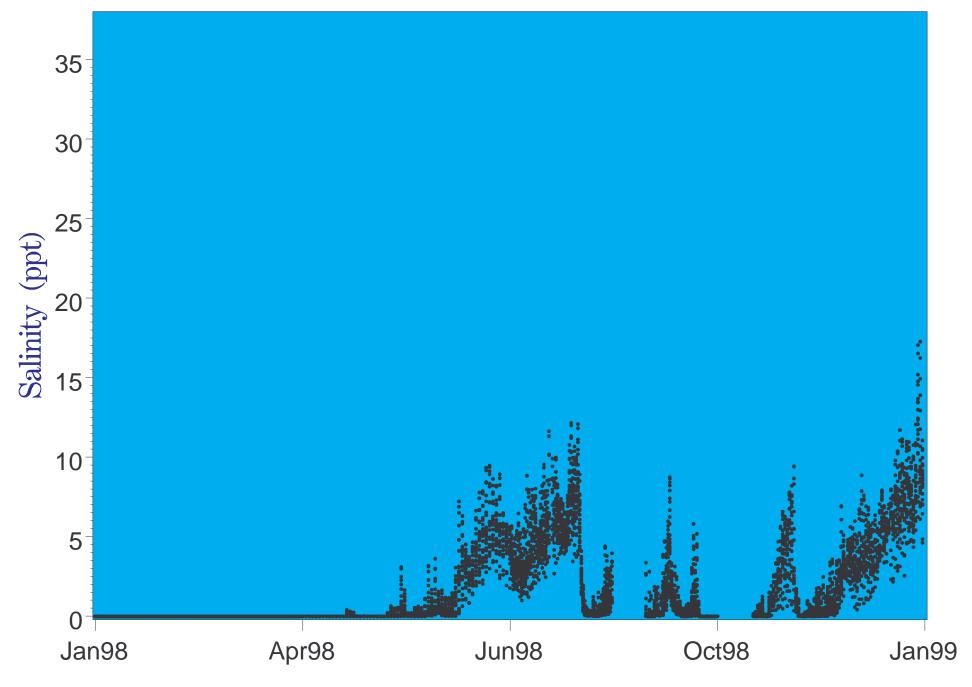


Figure 5.3b Hourly surface salinity at Harbour Heights (RK 15.5) - 1998

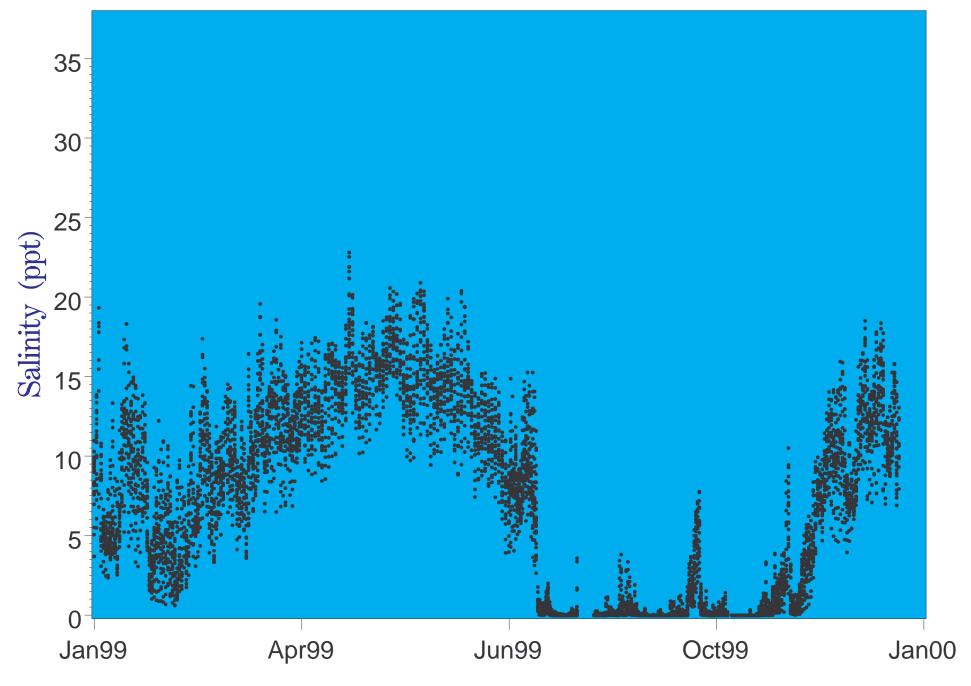


Figure 5.3c Hourly surface salinity at Harbour Heights (RK 15.5) - 1999

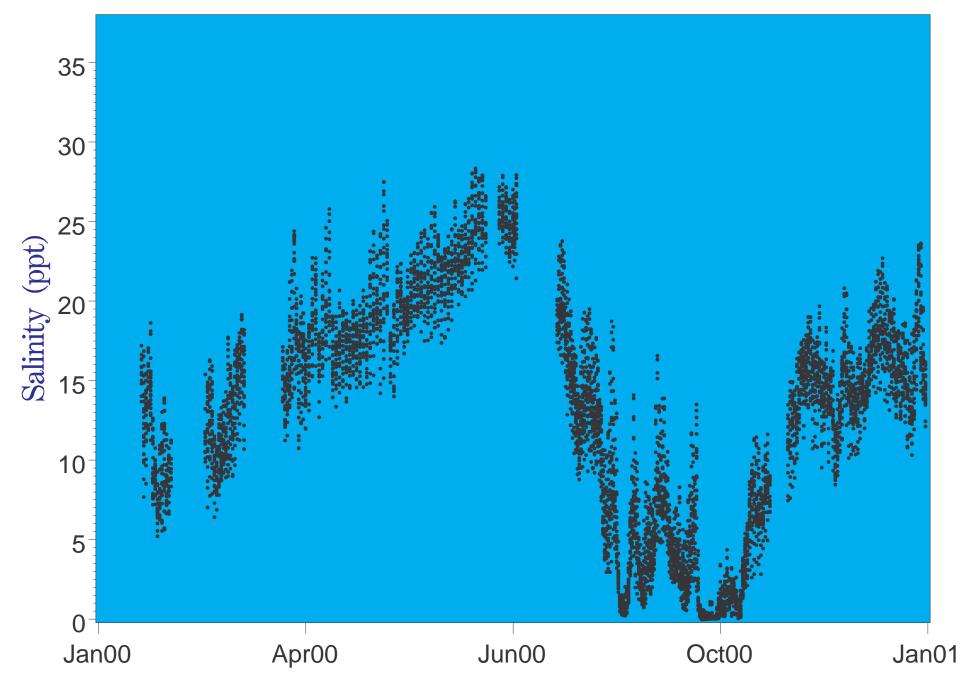


Figure 5.3d Hourly surface salinity at Harbour Heights (RK 15.5) - 2000

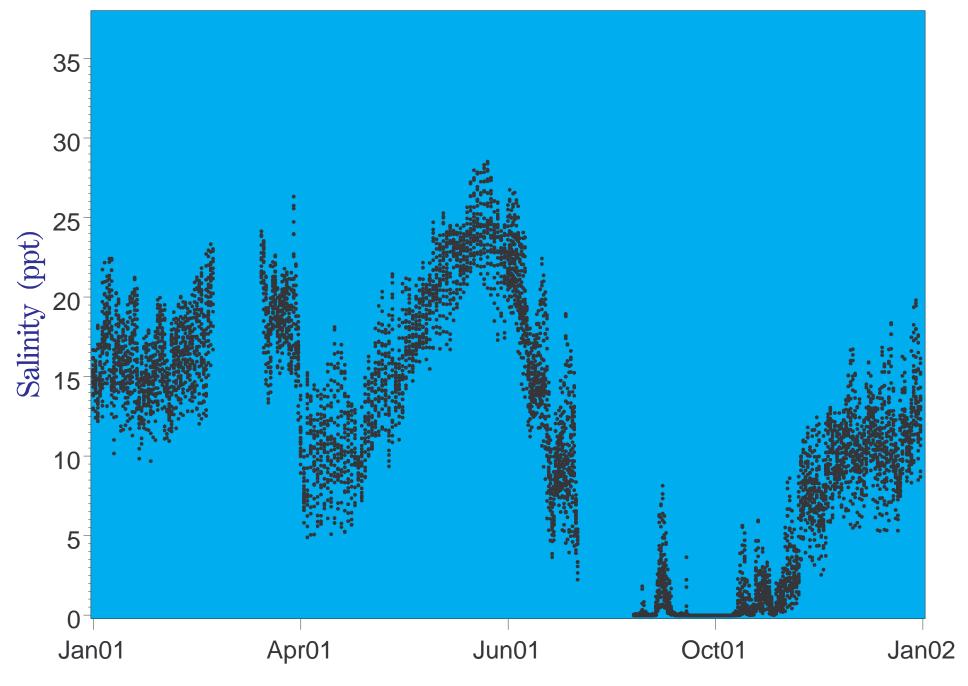


Figure 5.3e Hourly surface salinity at Harbour Heights (RK 15.5) - 2001

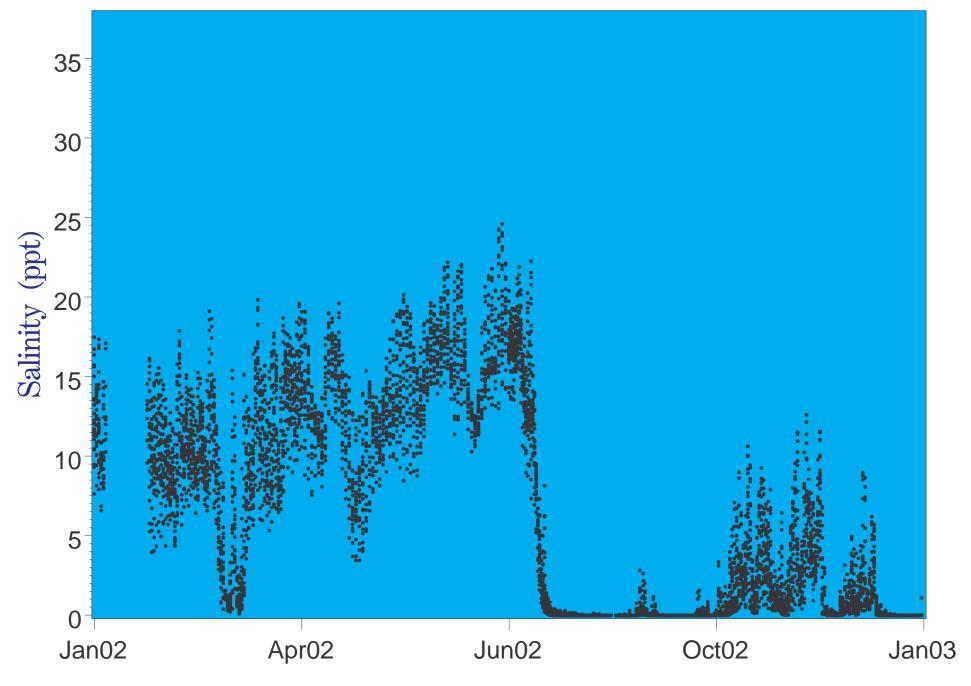


Figure 5.3f Hourly surface salinity at Harbour Heights (RK 15.5) - 2002

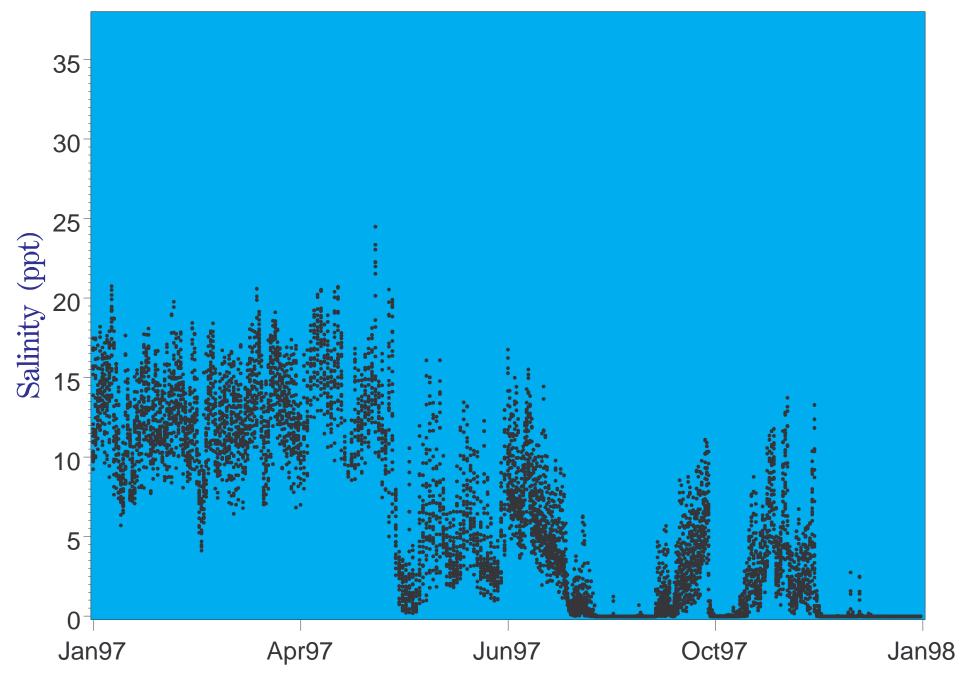


Figure 5.4a Hourly bottom salinity at Harbour Heights (RK 15.5) - 1997

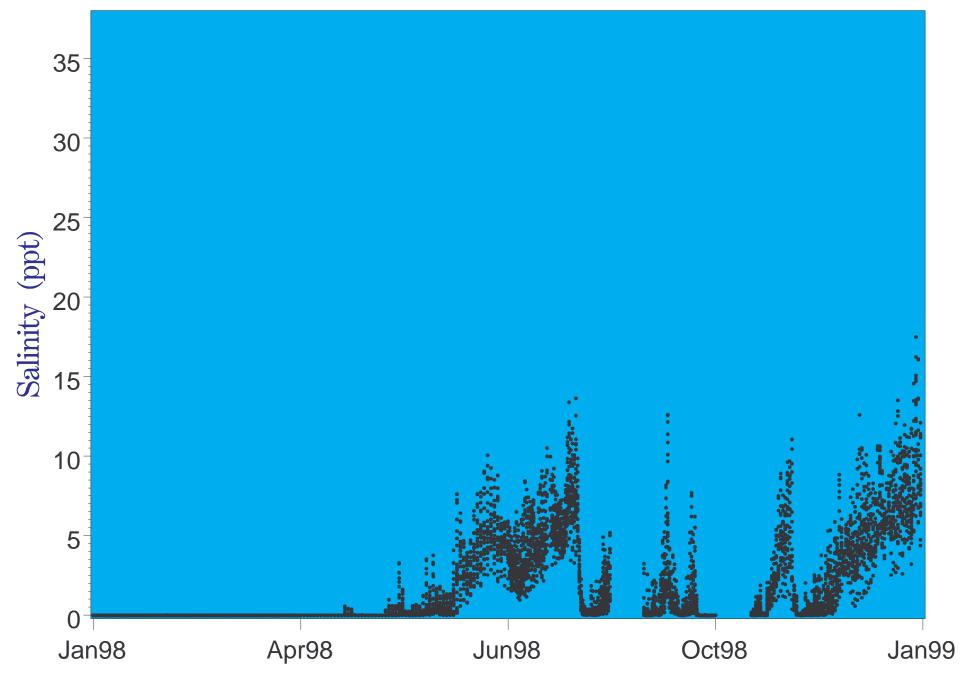


Figure 5.4b Hourly bottom salinity at Harbour Heights (RK 15.5) - 1998

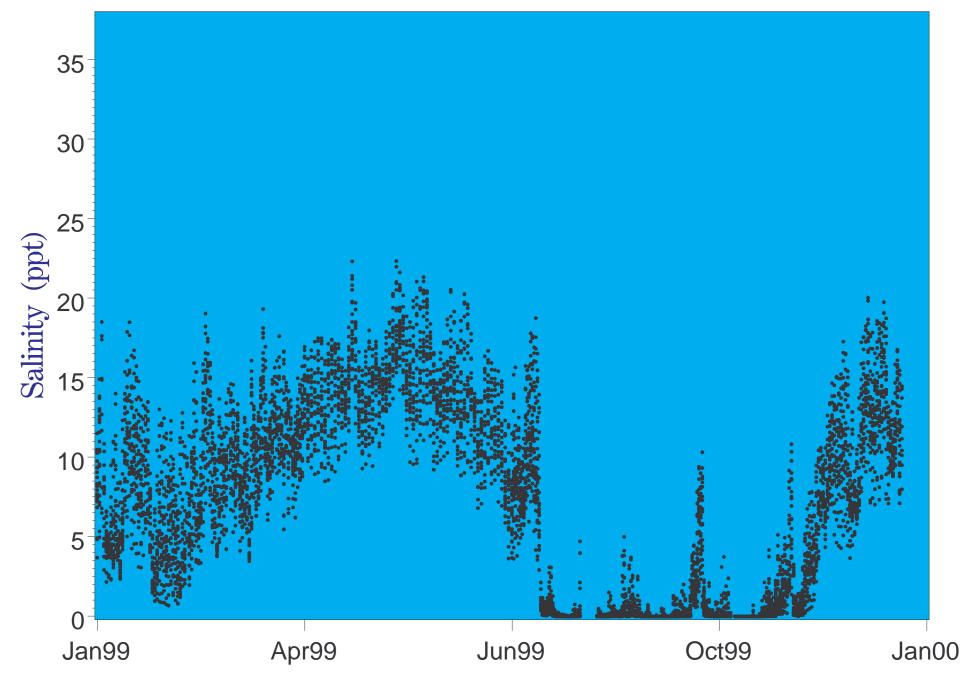


Figure 5.4c Hourly bottom salinity at Harbour Heights (RK 15.5) - 1999

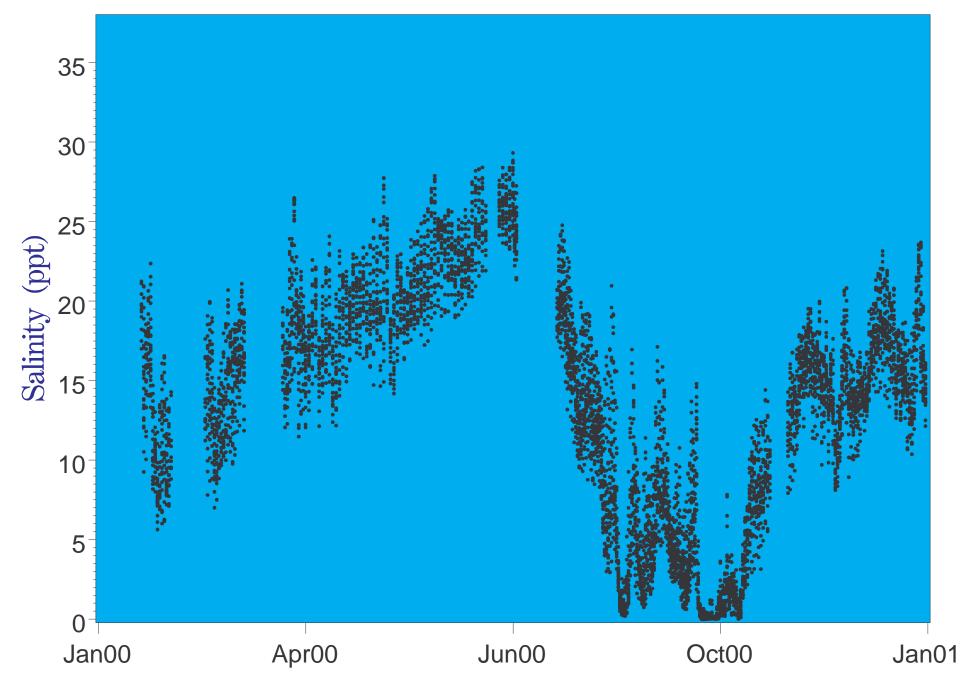


Figure 5.4d Hourly bottom salinity at Harbour Heights (RK 15.5) - 2000

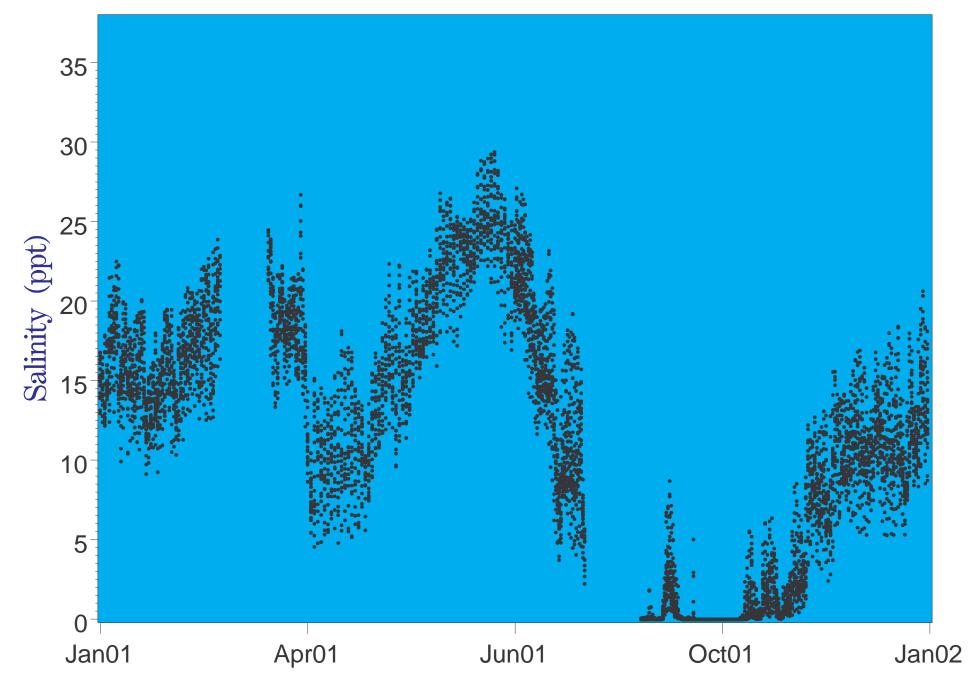


Figure 5.4e Hourly bottom salinity at Harbour Heights (RK 15.5) - 2001

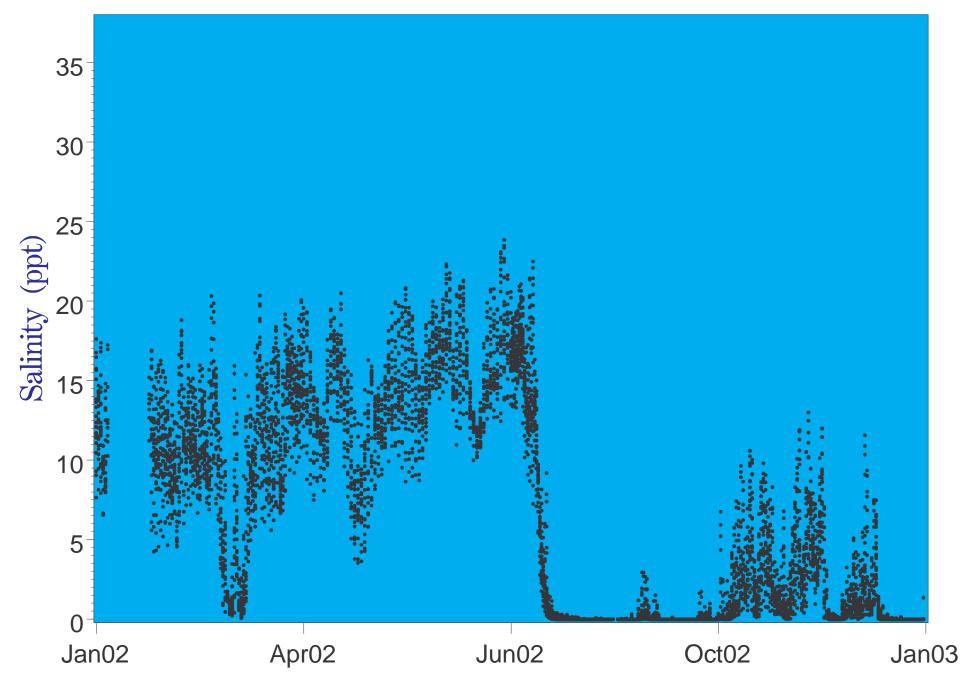


Figure 5.4f Hourly bottom salinity at Harbour Heights (RK 15.5) - 2002

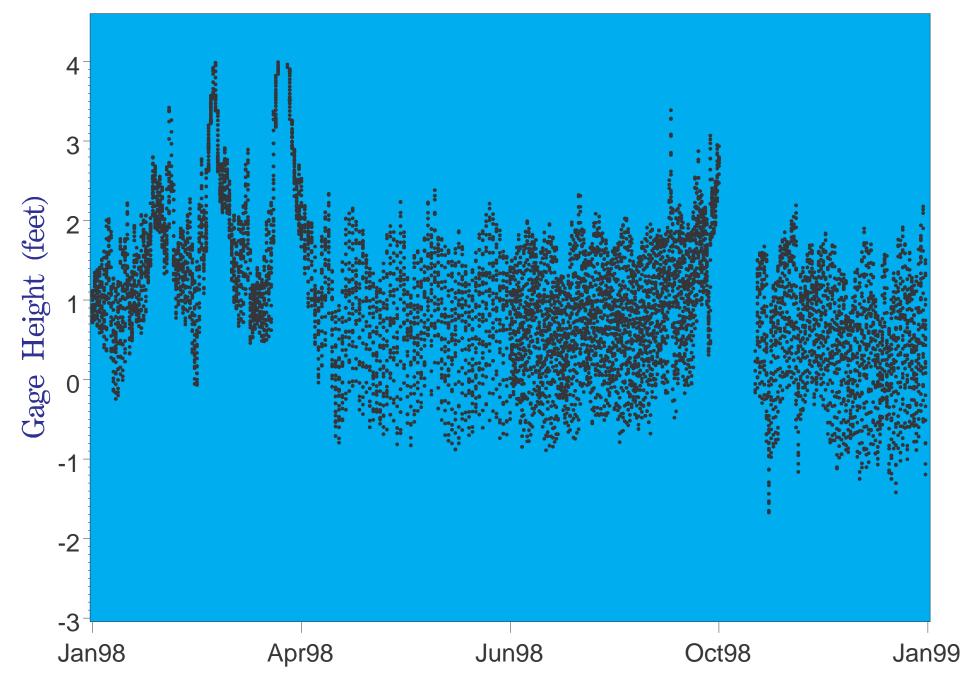


Figure 5.5a Hourly gage height at Peace River Heights (RK 26.7) - 1998

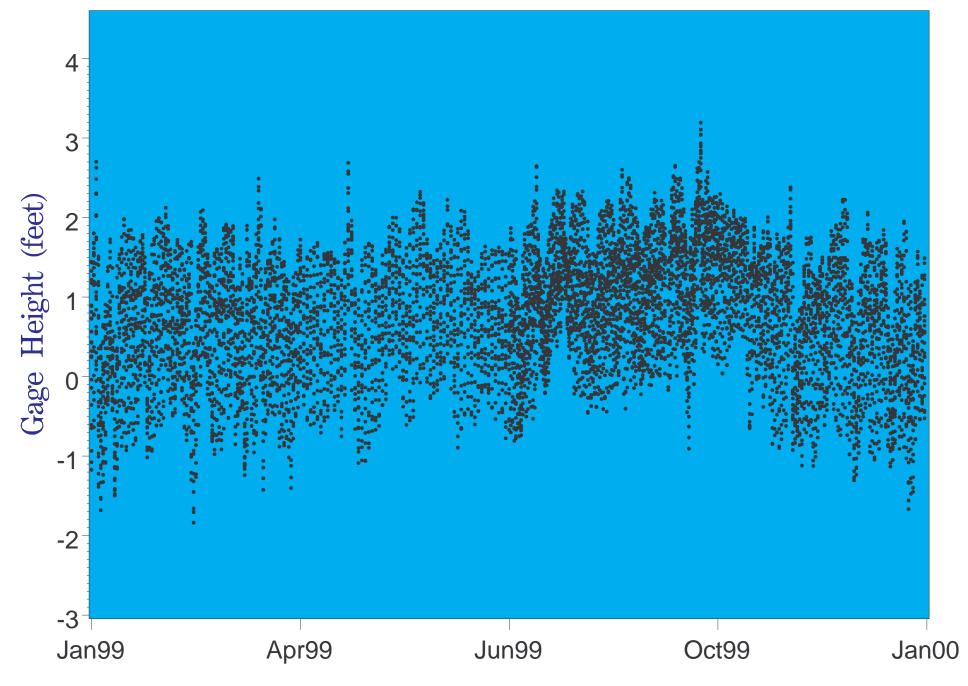


Figure 5.5b Hourly gage height at Peace River Heights (RK 26.7) - 1999

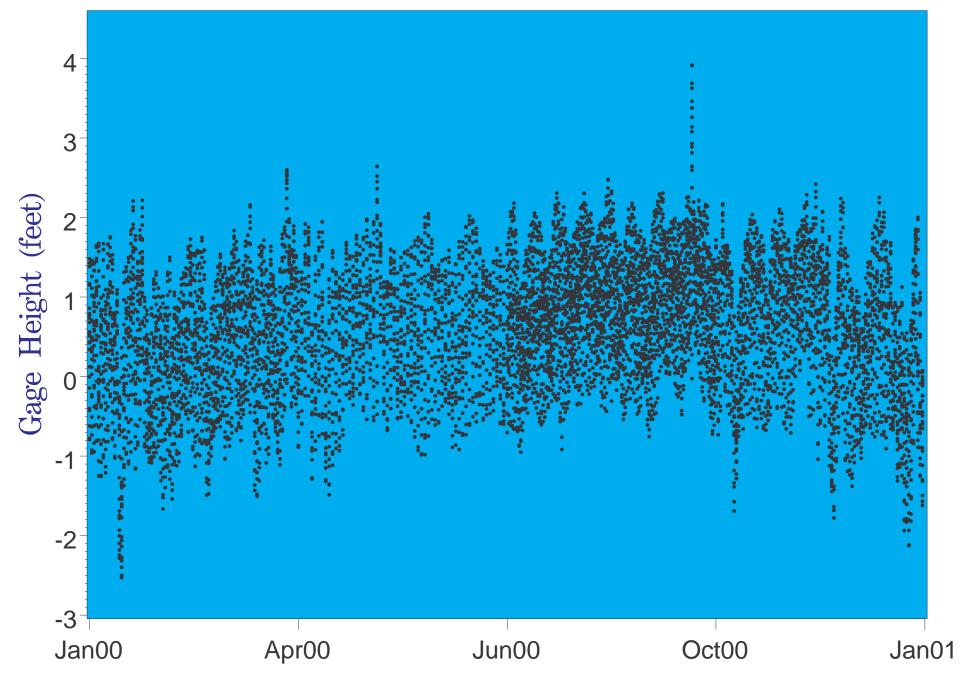


Figure 5.5c Hourly gage height at Peace River Heights (RK 26.7) - 2000

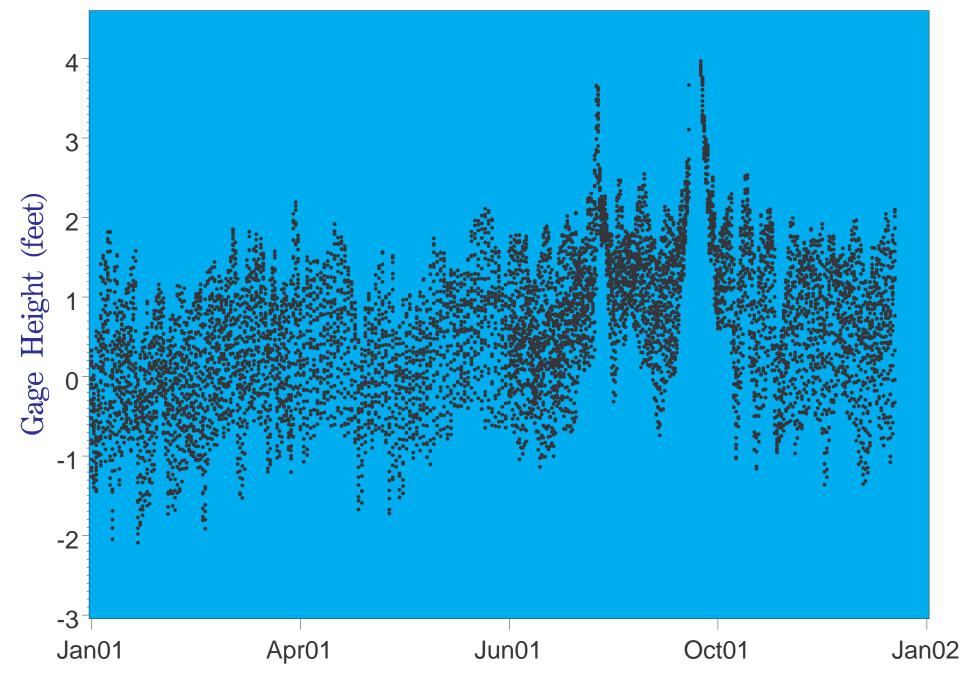


Figure 5.5d Hourly gage height at Peace River Heights (RK 26.7) - 2001

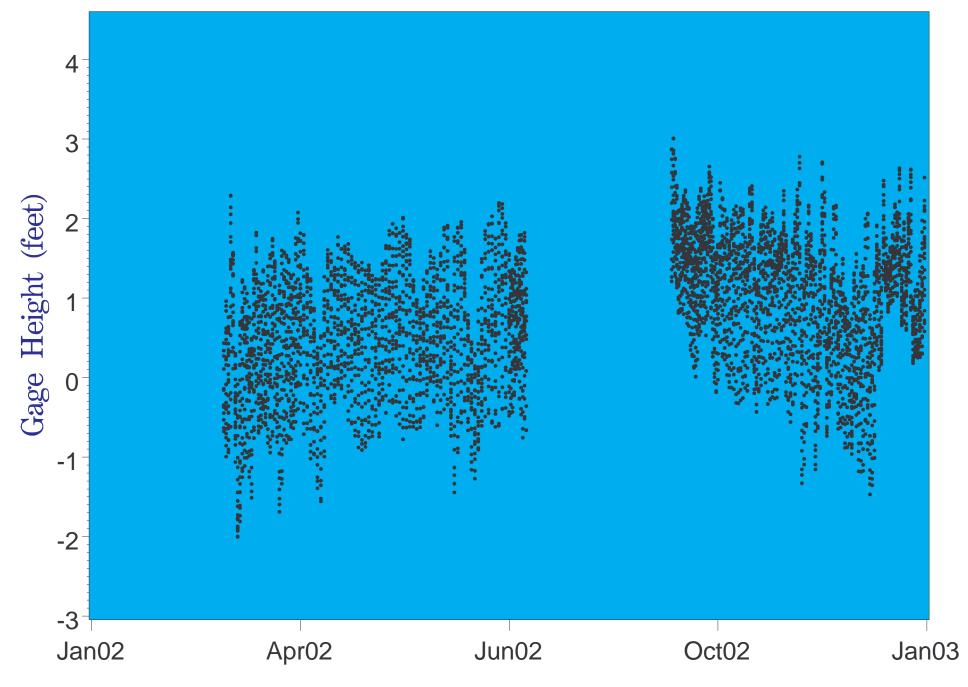


Figure 5.5e Hourly gage height at Peace River Heights (RK 26.7) - 2002

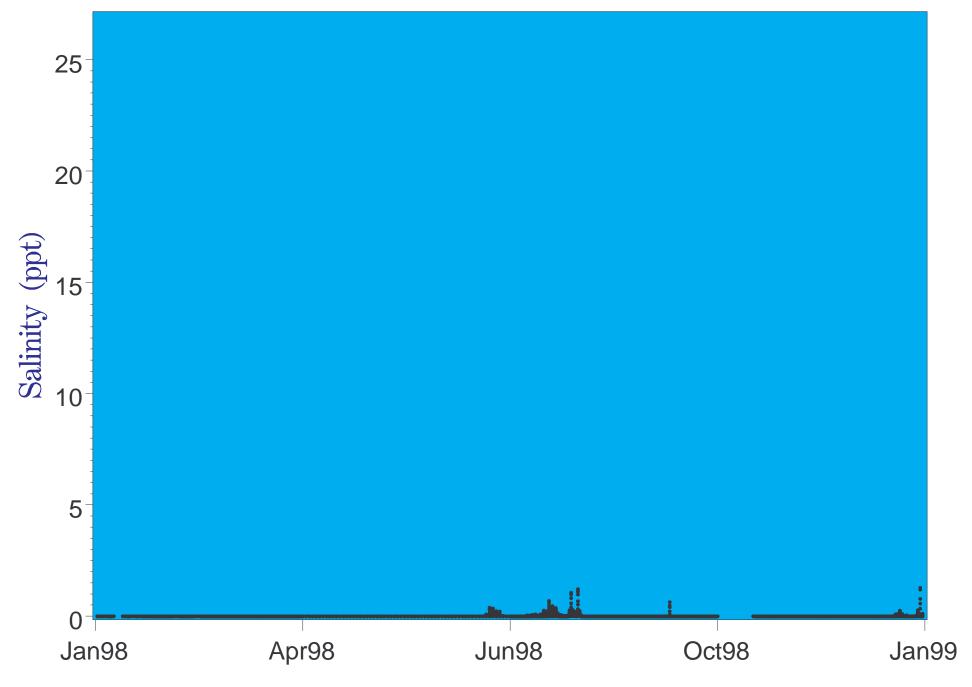


Figure 5.6a Hourly surface salinity at Peace River Heights (RK 26.7) - 1998

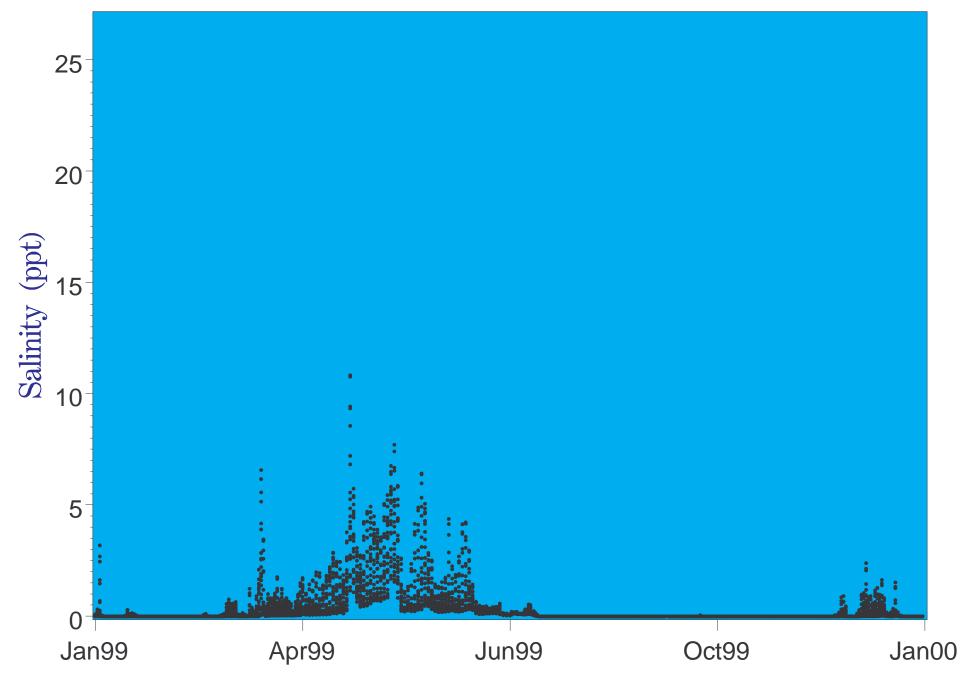


Figure 5.6b Hourly surface salinity at Peace River Heights (RK 26.7) - 1999

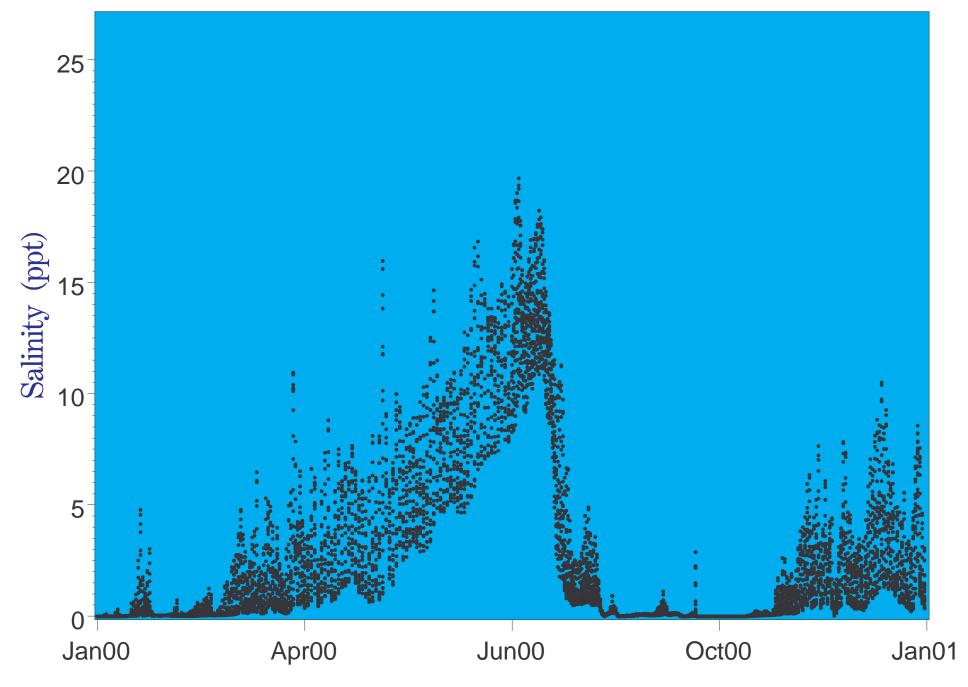


Figure 5.6c Hourly surface salinity at Peace River Heights (RK 26.7) - 2000

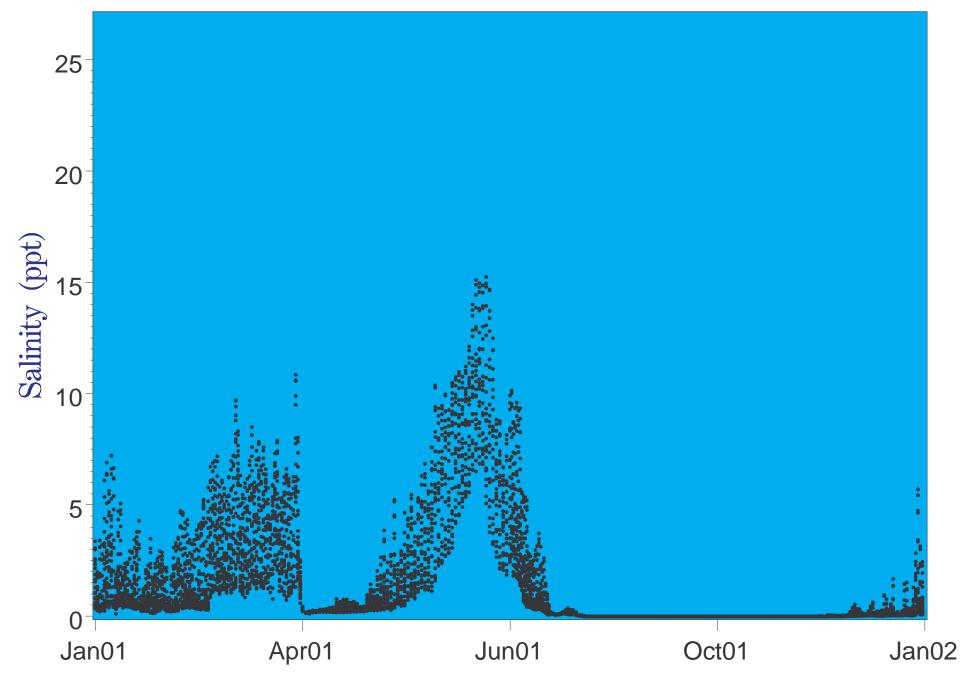


Figure 5.6d Hourly surface salinity at Peace River Heights (RK 26.7) - 2001

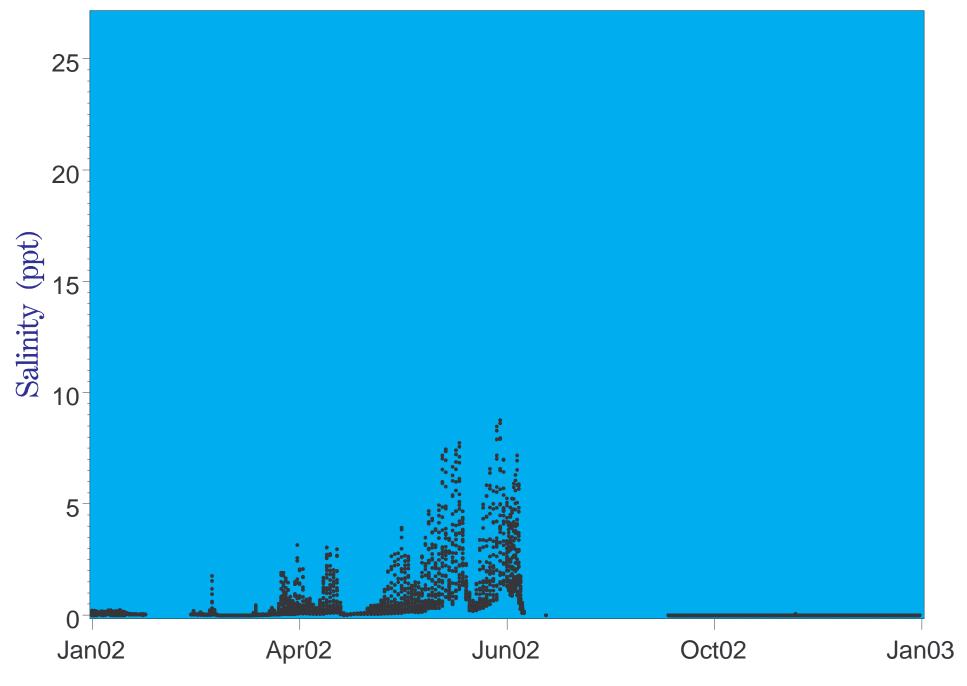


Figure 5.6e Hourly surface salinity at Peace River Heights (RK 26.7) - 2002

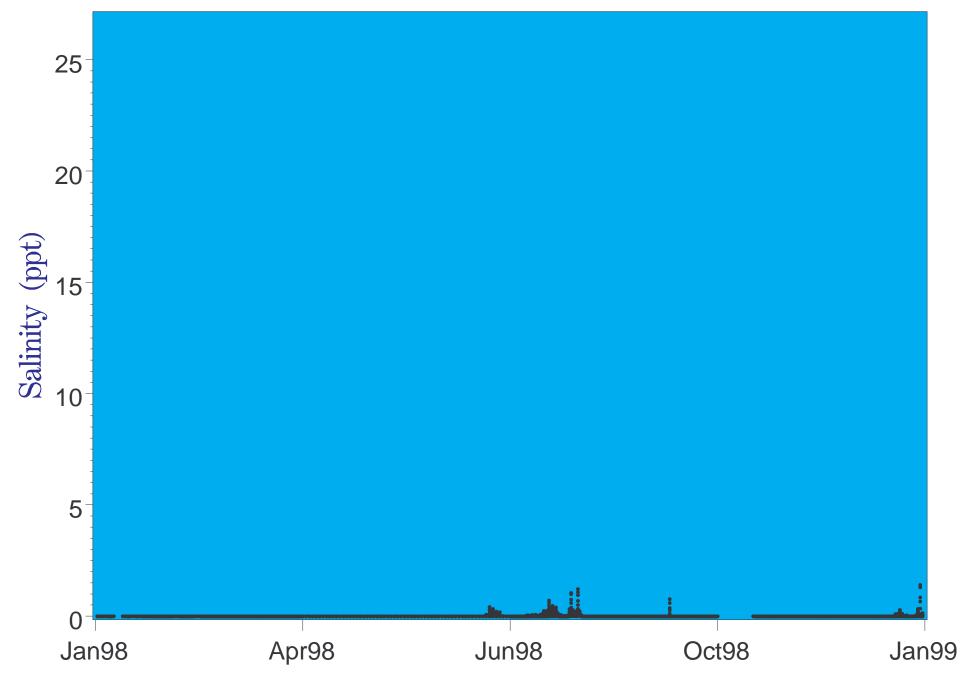


Figure 5.7a Hourly bottom salinity at Peace River Heights (RK 26.7) - 1998

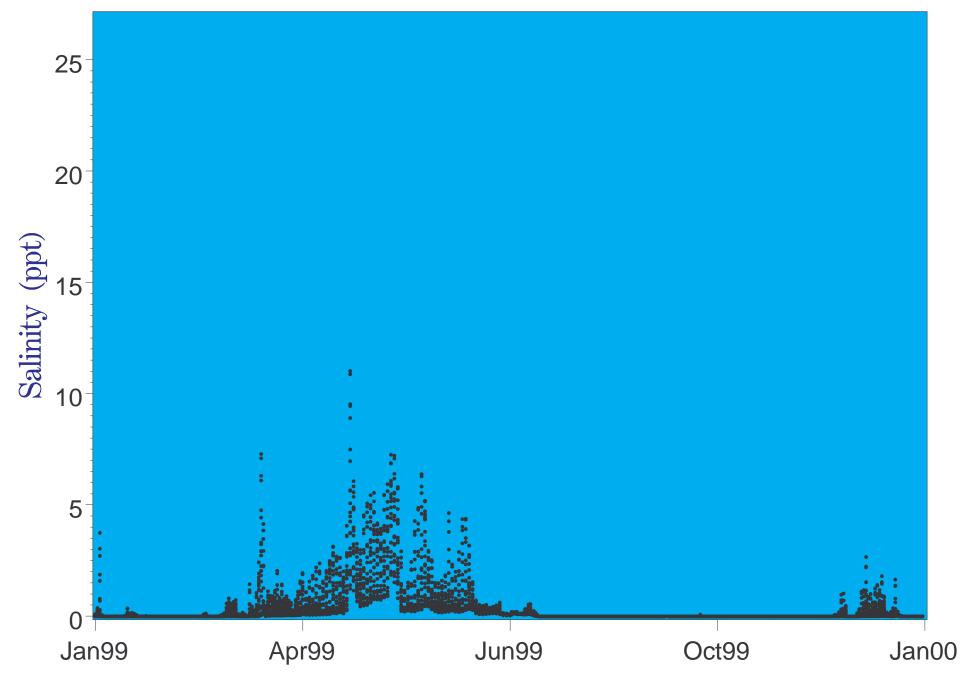


Figure 5.7b Hourly bottom salinity at Peace River Heights (RK 26.7) - 1999

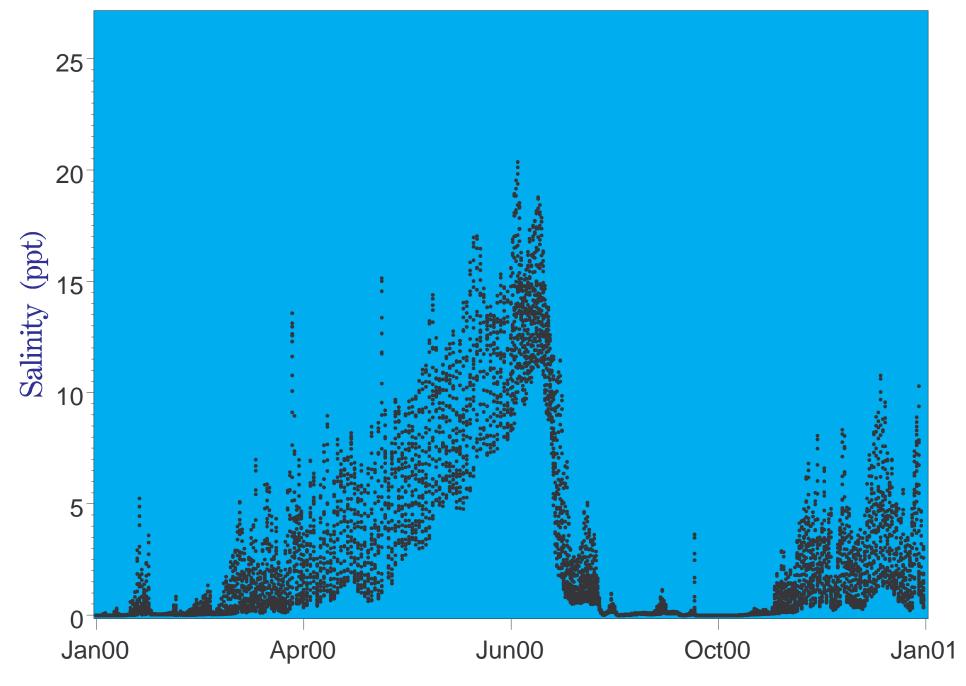


Figure 5.7c Hourly bottom salinity at Peace River Heights (RK 26.7) - 2000

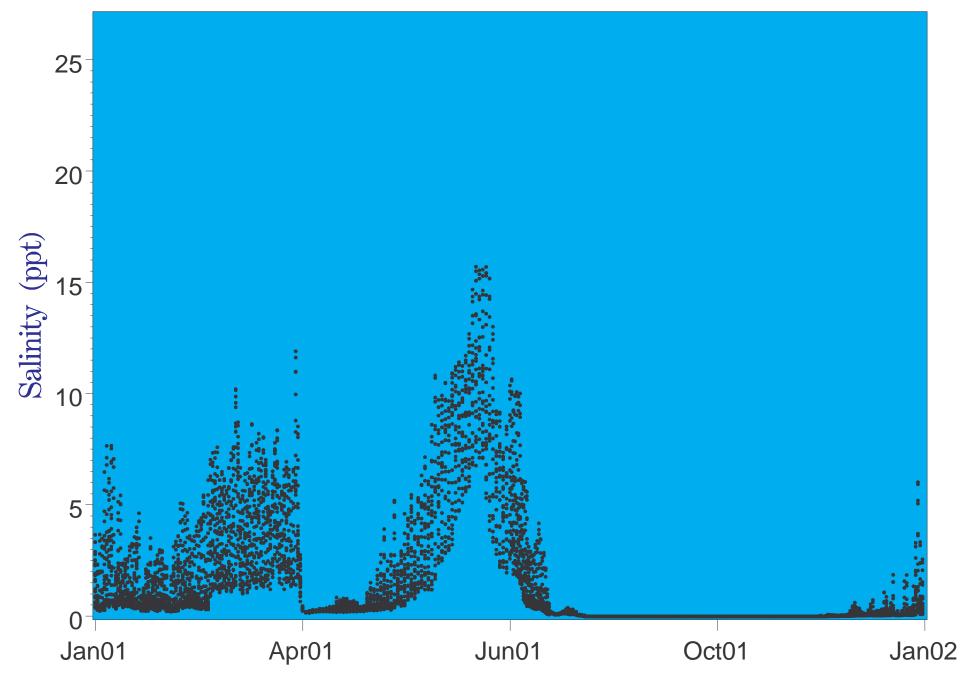


Figure 5.7d Hourly bottom salinity at Peace River Heights (RK 26.7) - 2001

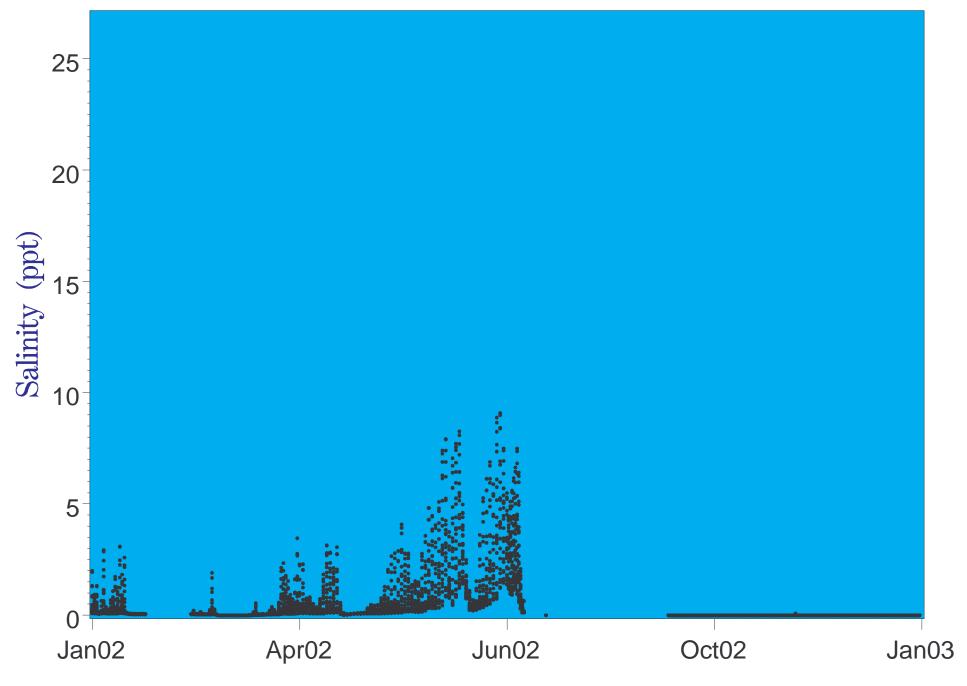


Figure 5.7e Hourly bottom salinity at Peace River Heights (RK 26.7) - 2002

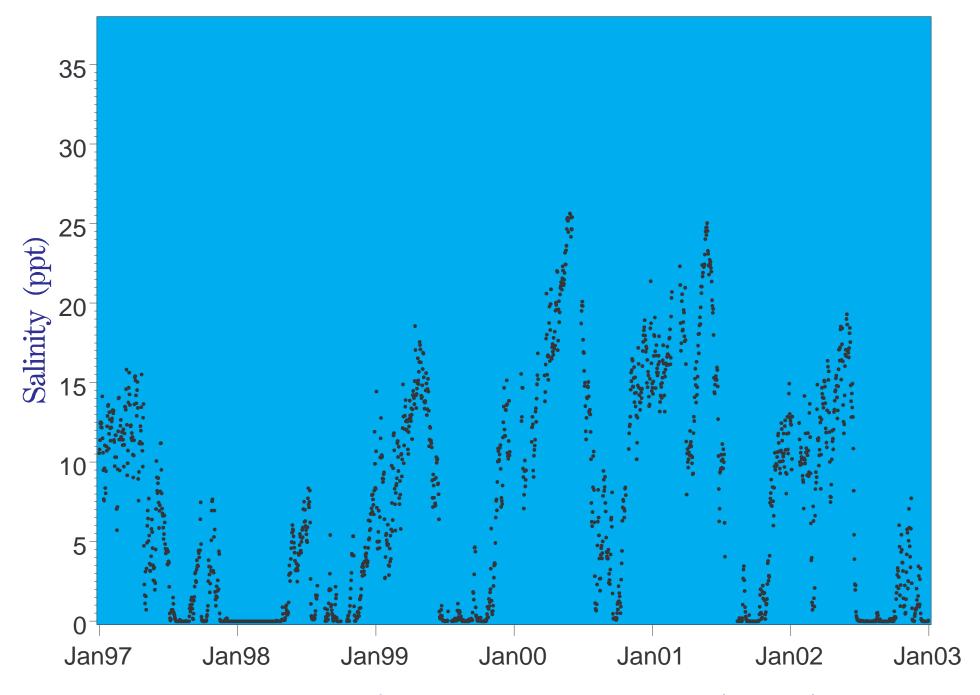


Figure 5.8a Daily mean surface salinity at Harbour Heights (RK 15.5) - 1997-2002

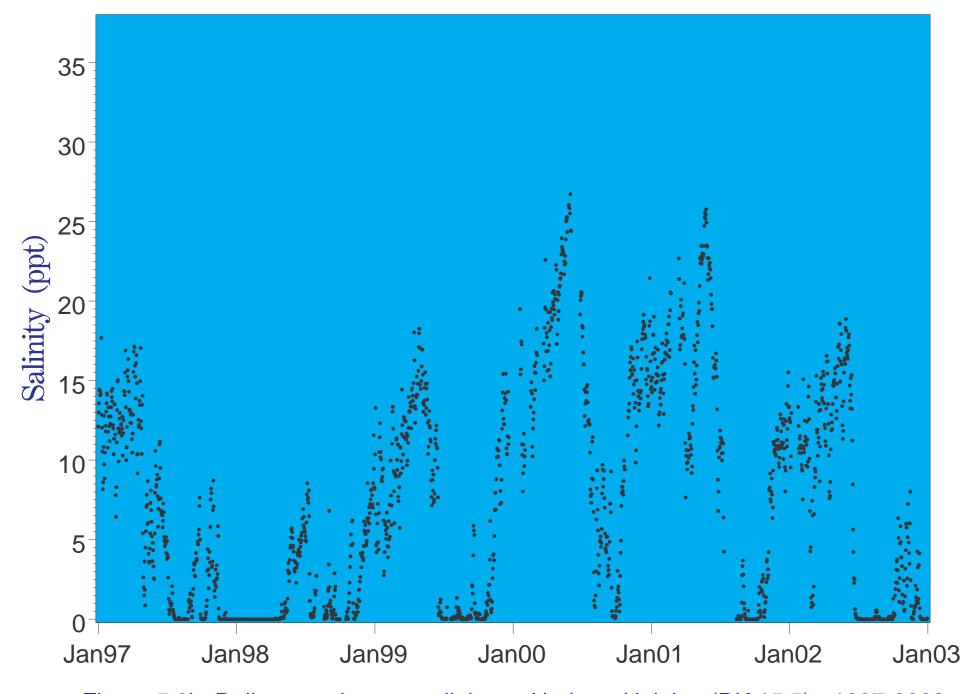


Figure 5.8b Daily mean bottom salinity at Harbour Heights (RK 15.5) - 1997-2002

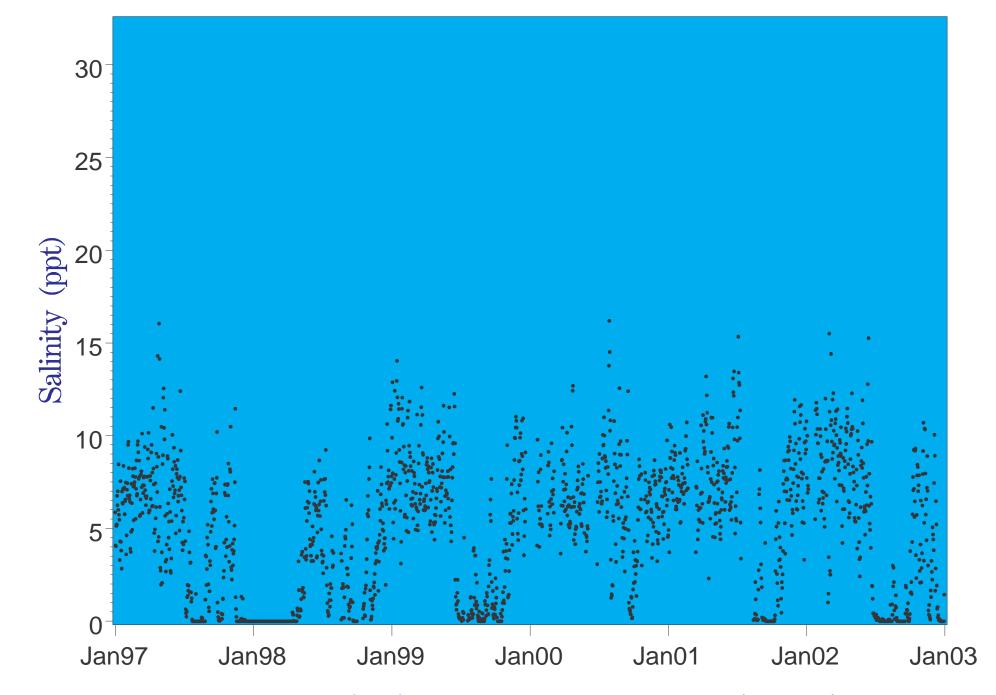


Figure 5.8c Daily range of surface salinity at Harbour Heights (RK 15.5) - 1997-2002

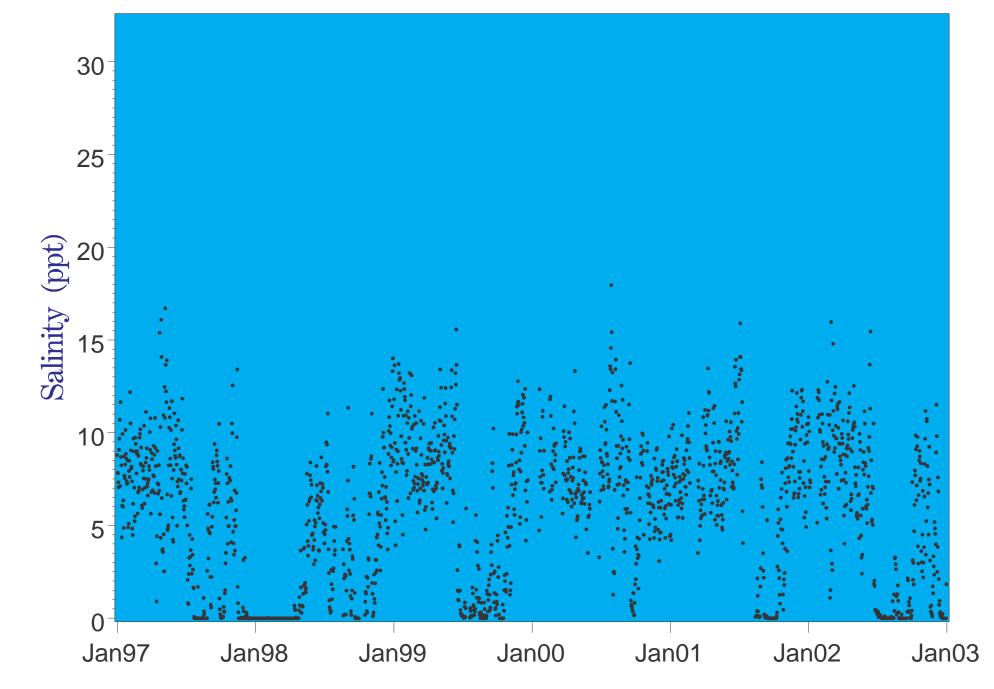


Figure 5.8d Daily range of bottom salinity at Harbour Heights (RK 15.5) - 1997-2002

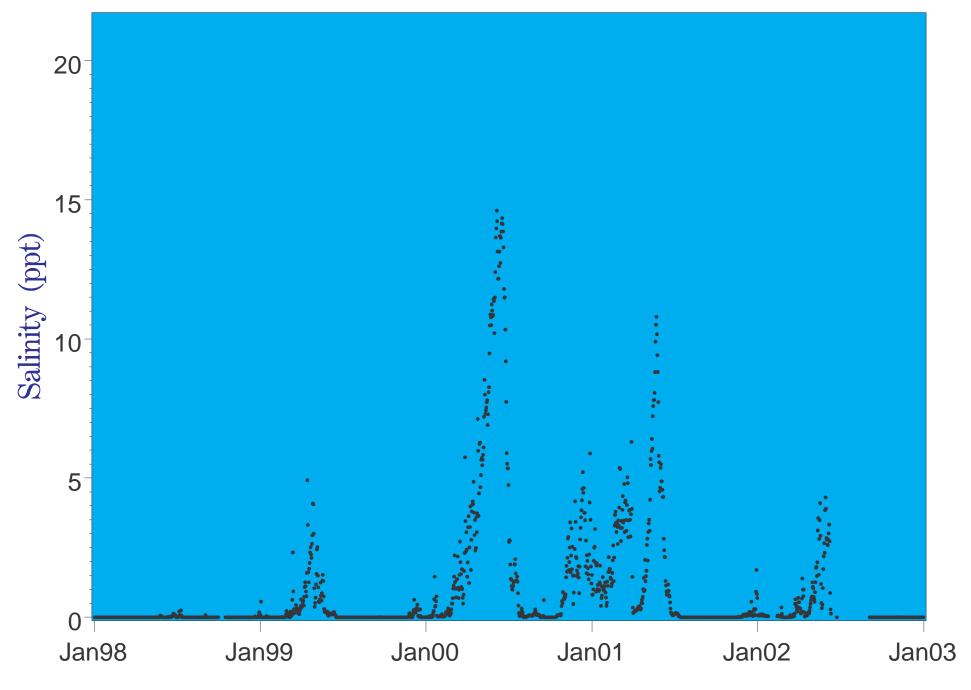


Figure 5.9a Daily mean surface salinity at Peace River Heights (RK 26.7) - 1998-2002

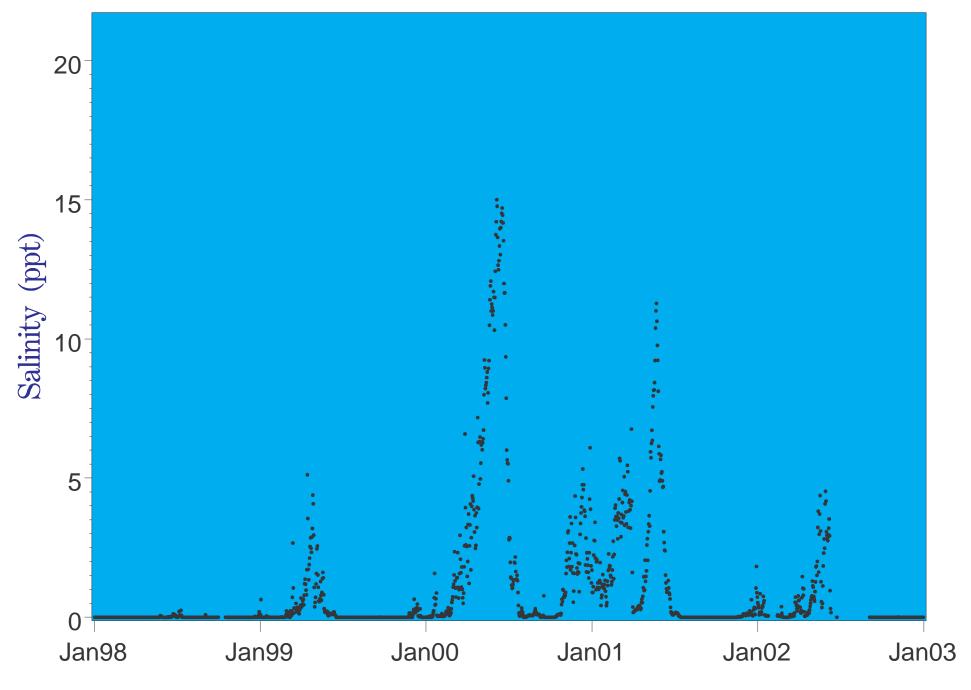


Figure 5.9b Daily mean bottom salinity at Peace River Heights (RK 26.7) - 1998-2002

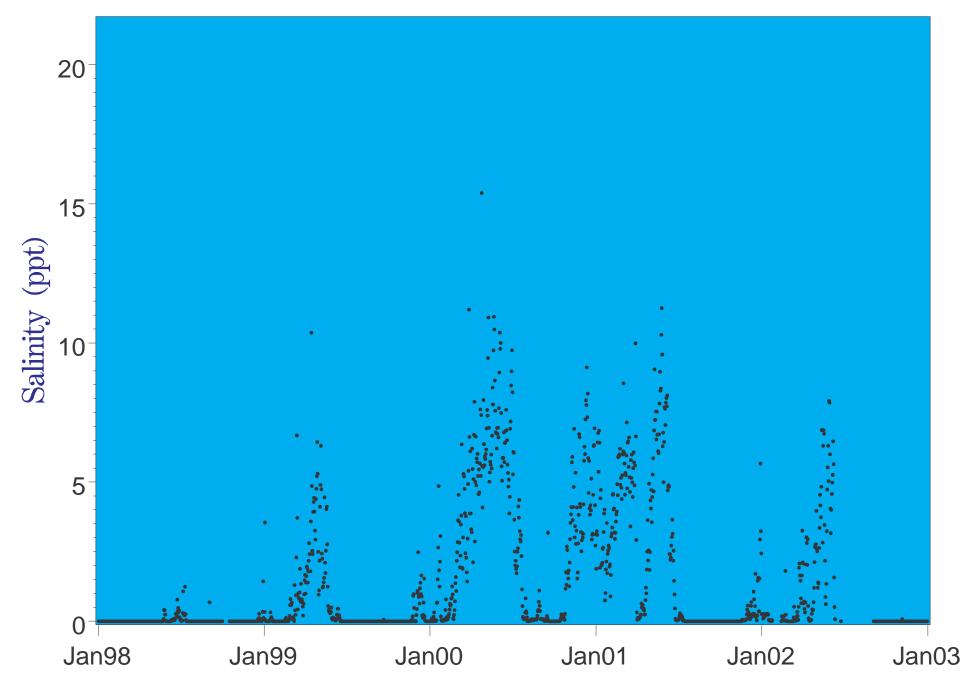


Figure 5.9c Daily range of surface salinity at Peace River Heights (RK 26.7) - 1998-2002

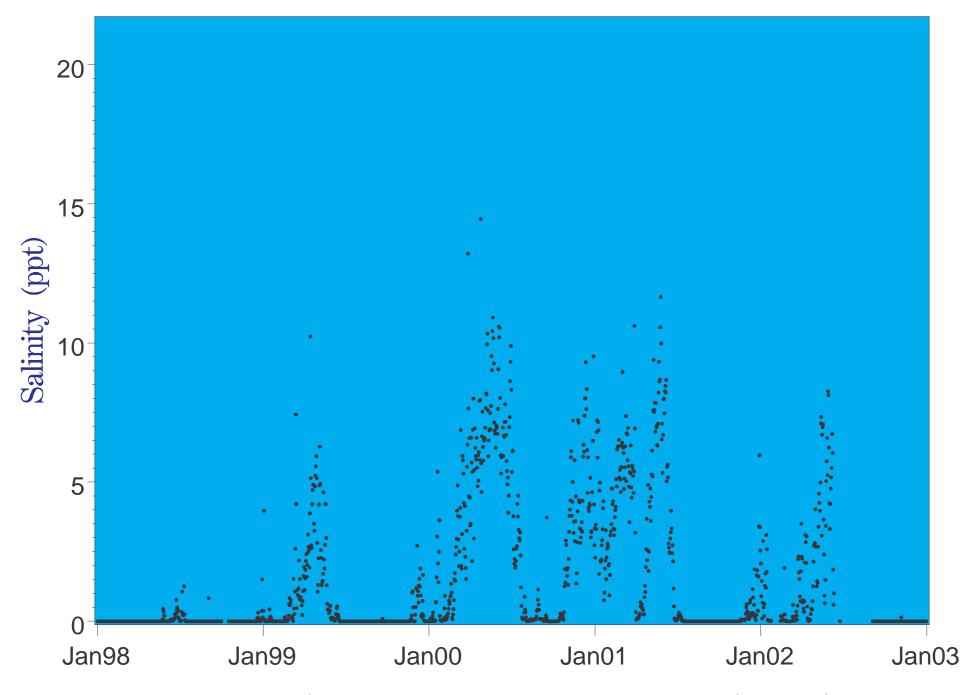


Figure 5.9d Daily range of bottom salinity at Peace River Heights (RK 26.7) - 1998-2002

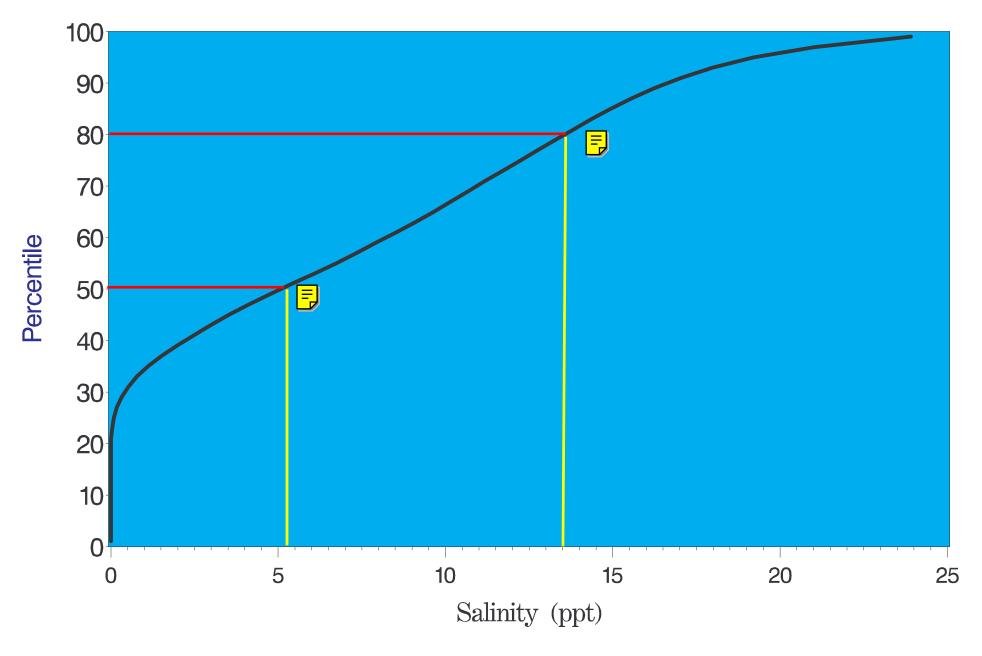


Figure 5.10a CDF of surface salinity at Harbour Heights (RK 15.5)

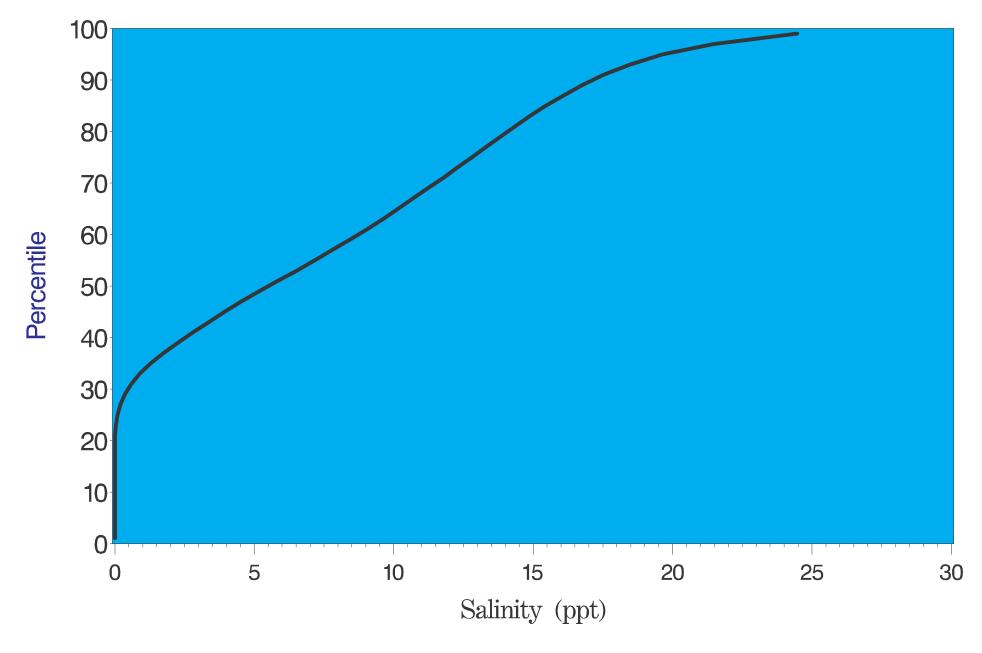


Figure 5.10b CDF of bottom salinity at Harbour Heights (RK 15.5)

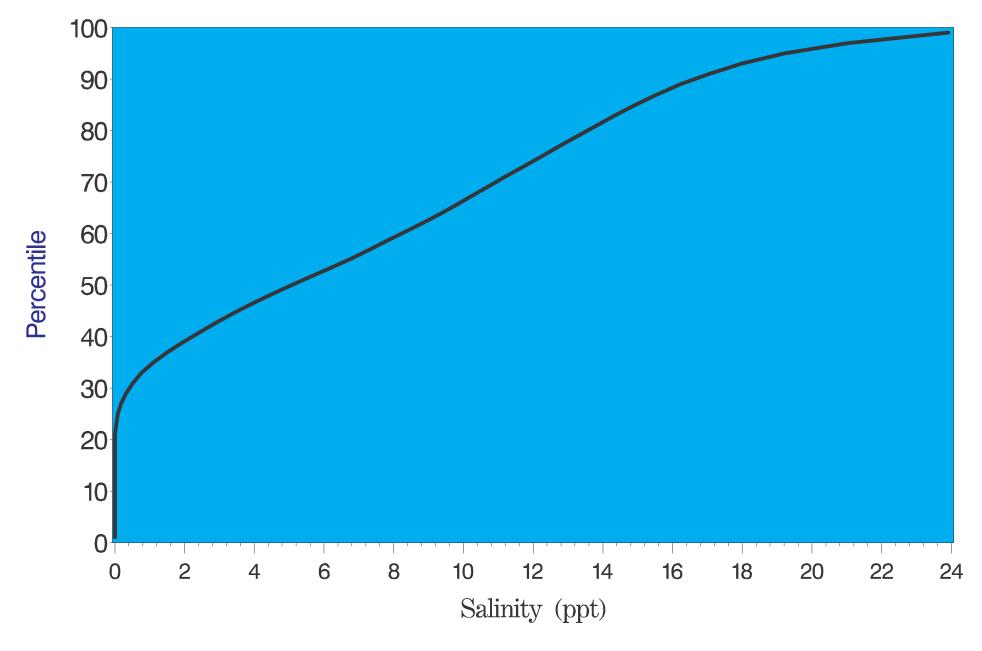


Figure 5.11a CDF of daily range of surface salinity at Harbour Heights (RK 15.5)

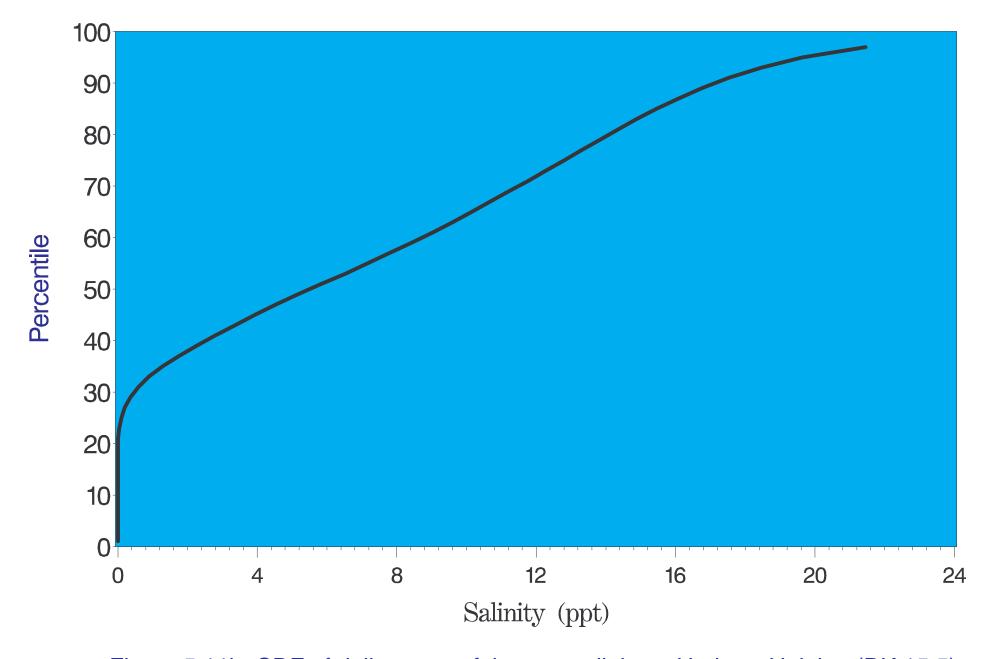


Figure 5.11b CDF of daily range of bottom salinity at Harbour Heights (RK 15.5)

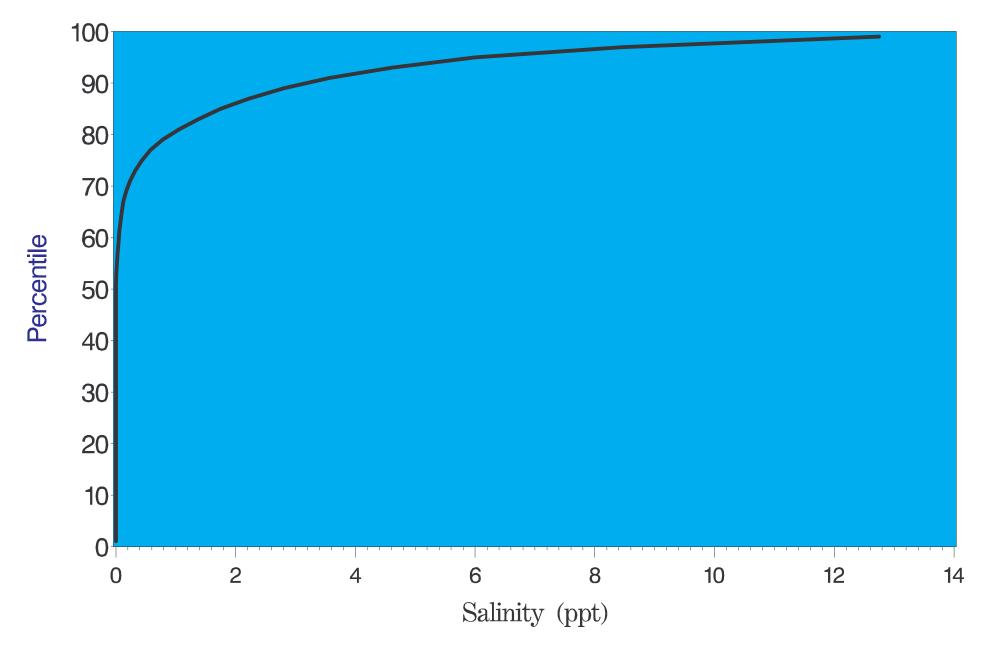


Figure 5.12a CDF of surface salinity at Peace River Heights (RK 26.7)

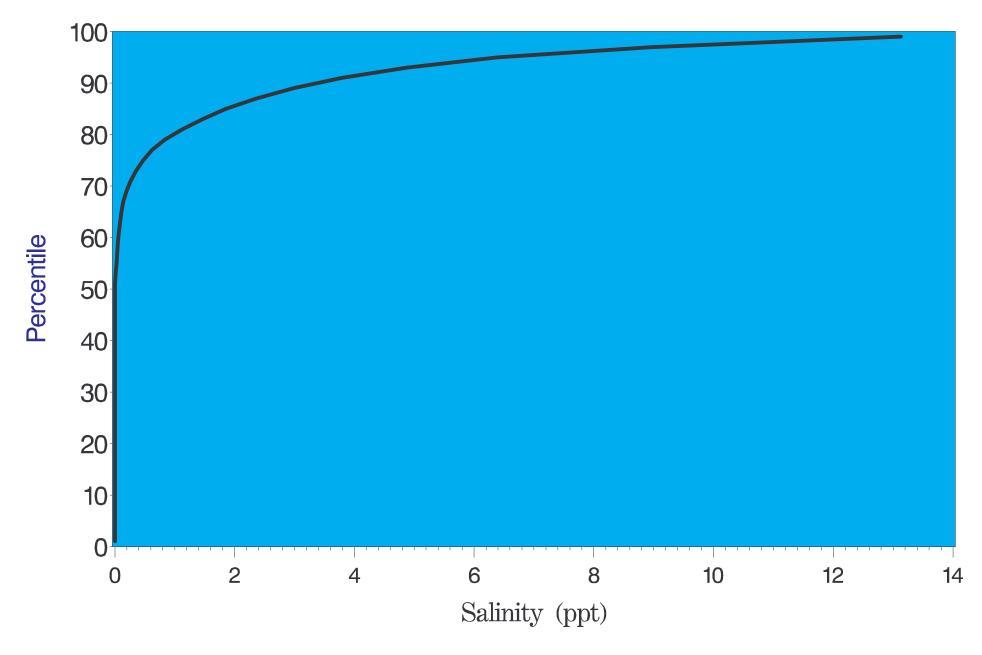


Figure 5.12b CDF of bottom salinity at Peace River Heights (RK 26.7)

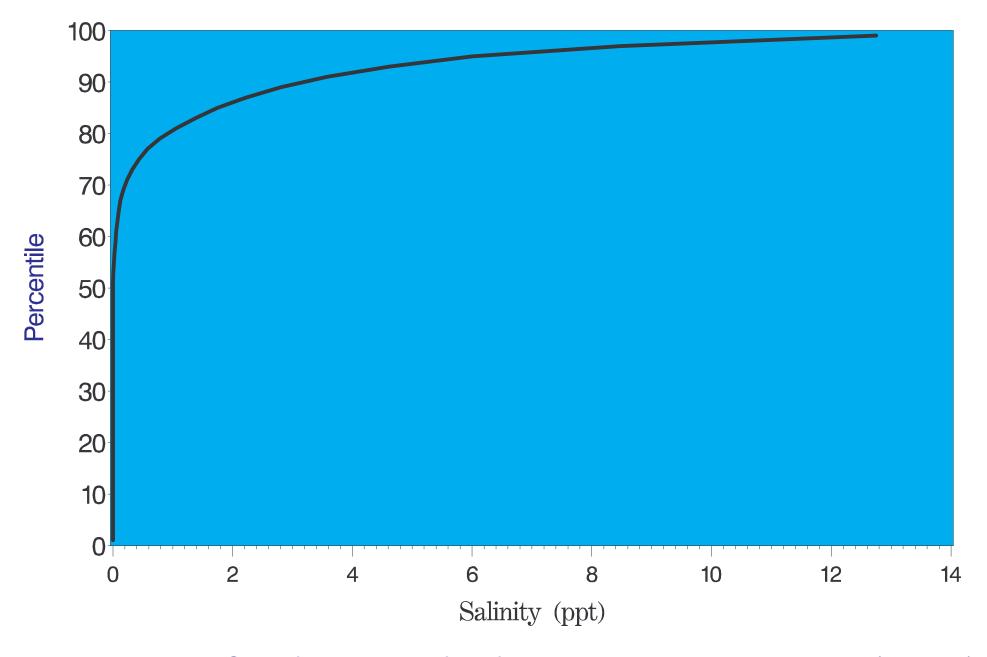


Figure 5.13a CDF of daily range of surface salinity at Peace River Heights (RK 26.7)

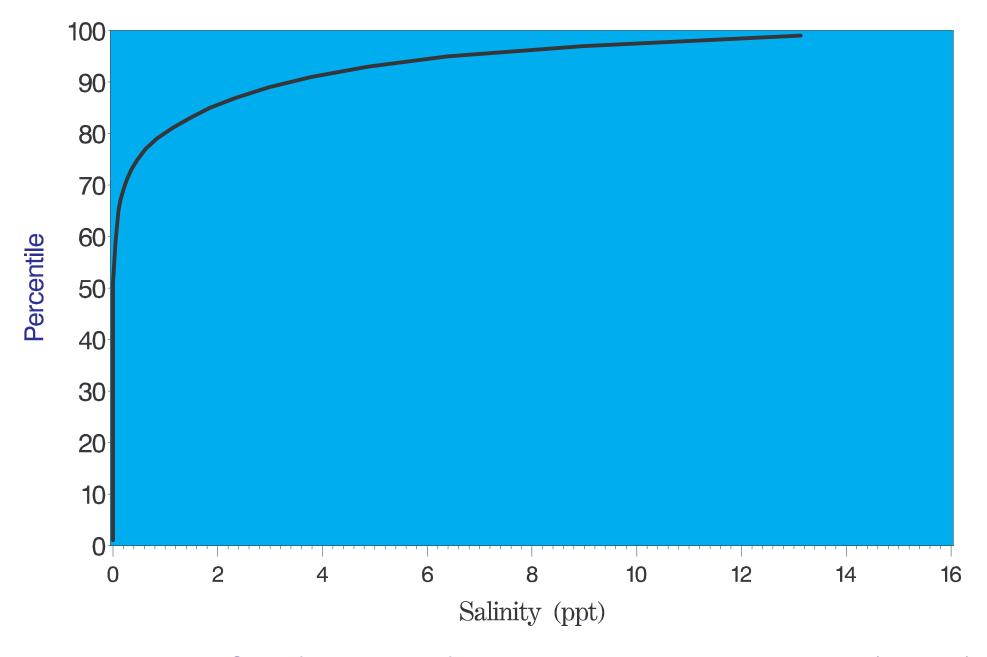


Figure 5.13b CDF of daily range of bottom salinity at Peace River Heights (RK 26.7)

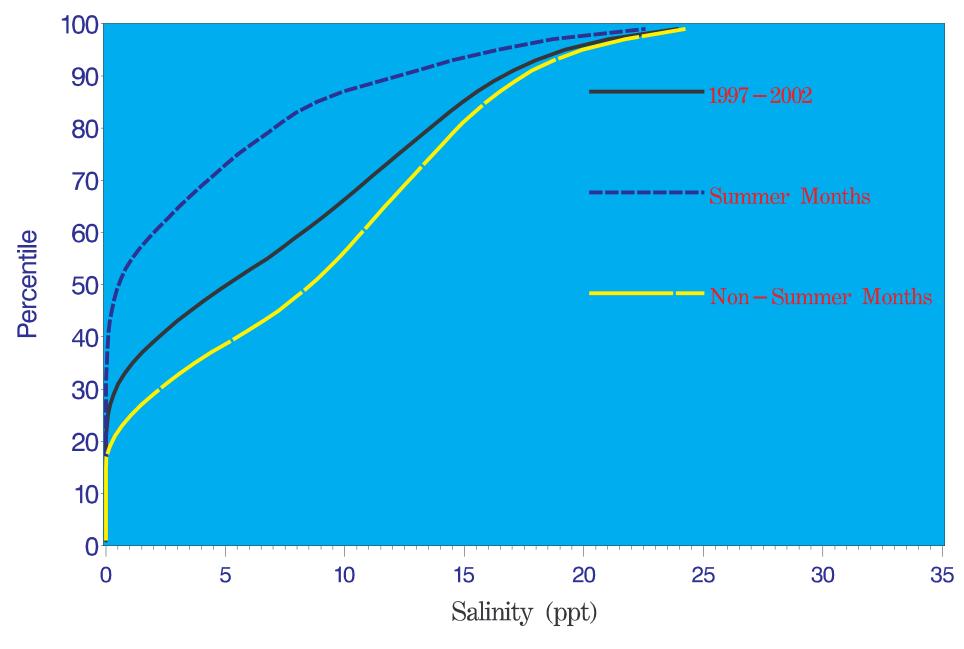


Figure 5.14a CDF of surface salinity at Harbour Heights (RK 15.5)

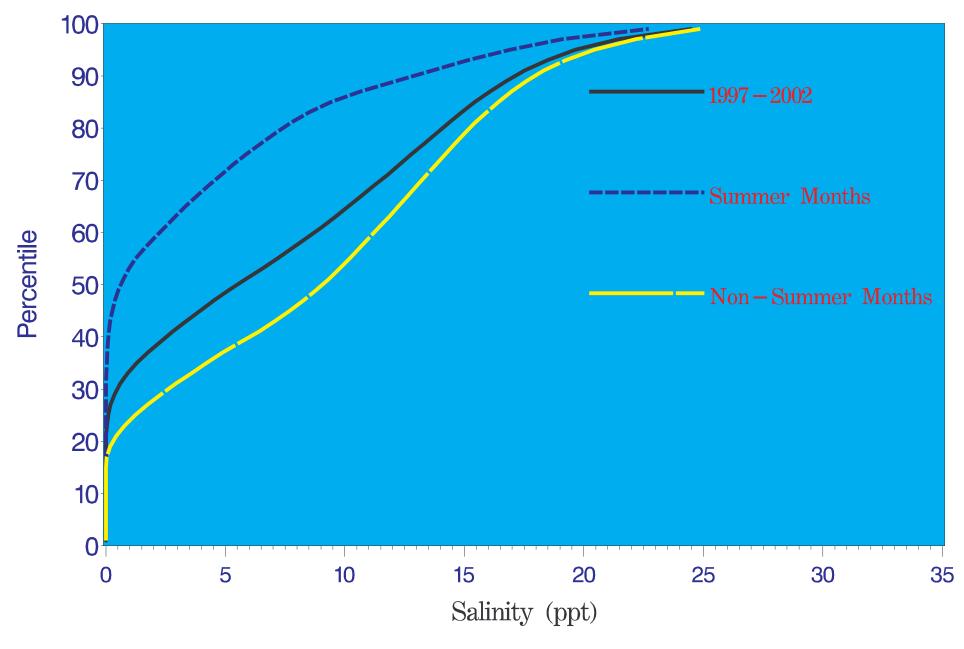


Figure 5.14b CDF of bottom salinity at Harbour Heights (RK 15.5)

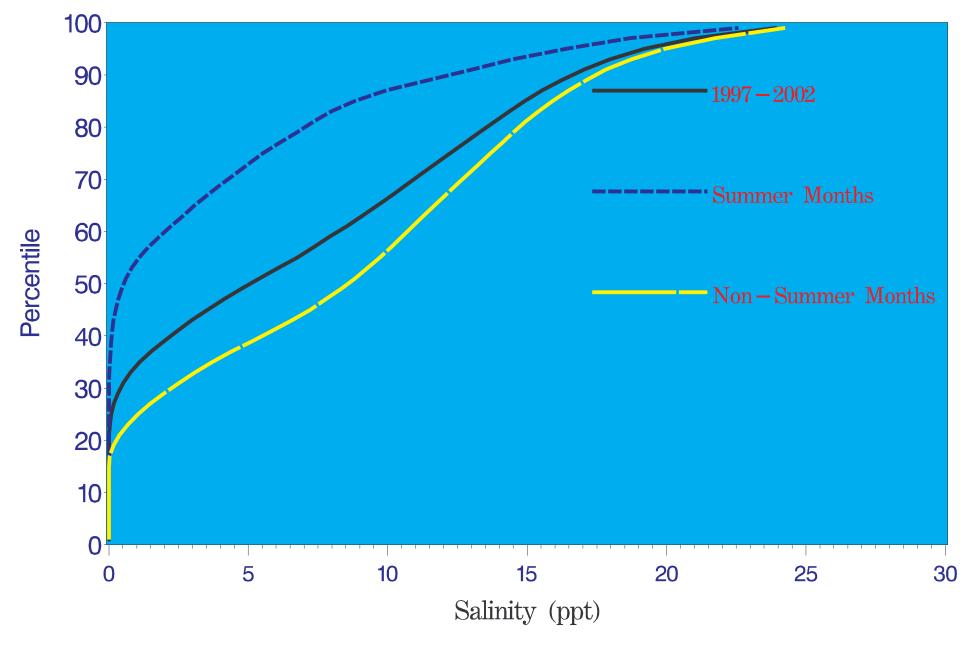


Figure 5.15a CDF of daily range of surface salinity at Harbour Heights (RK 15.5)

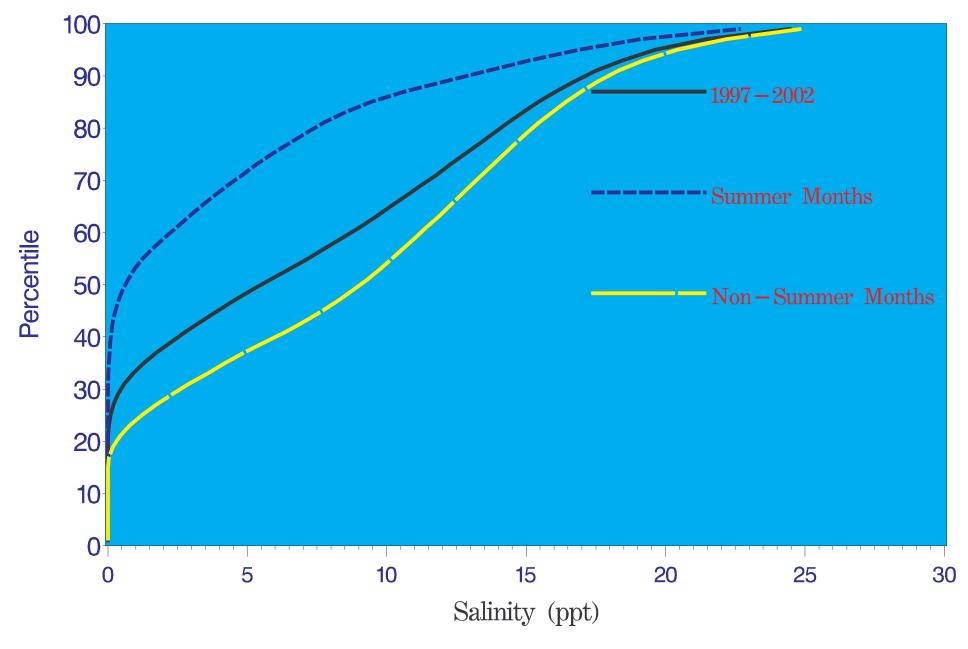


Figure 5.15b CDF of daily range of bottom salinity at Harbour Heights (RK 15.5)

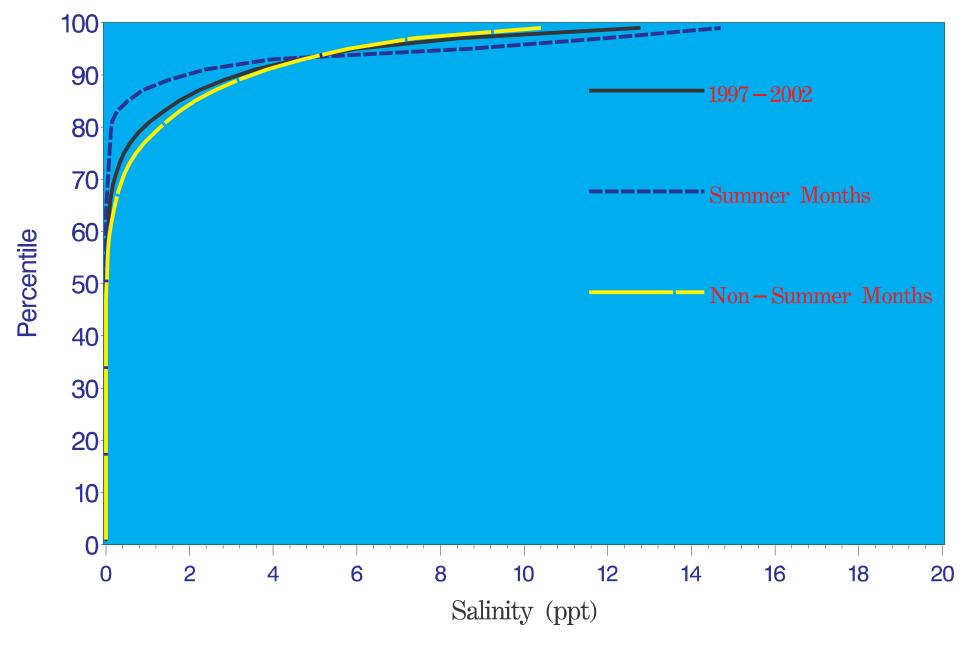


Figure 5.16a CDF of surface salinity at Peace River Heights (RK 26.7)

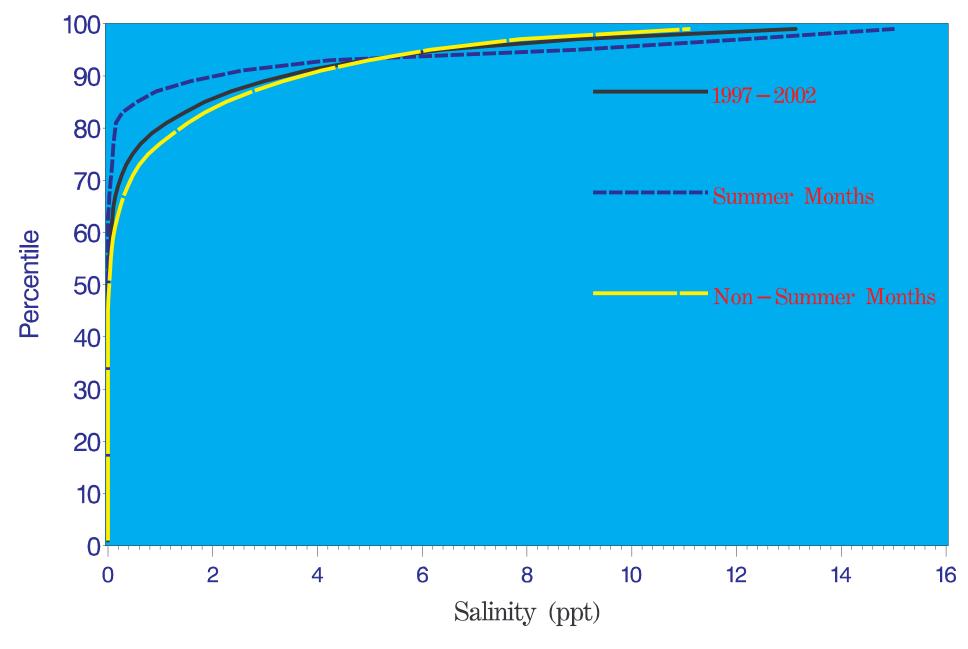


Figure 5.16b CDF of bottom salinity at Peace River Heights (RK 26.7)

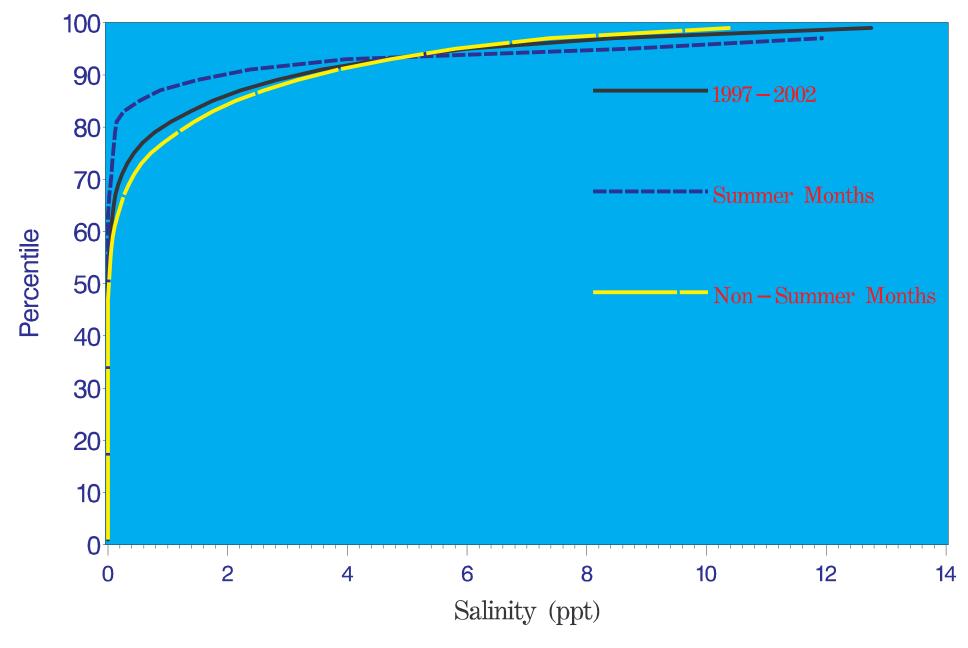


Figure 5.17a CDF of daily range of surface salinity at Peace River Heights (RK 26.7)

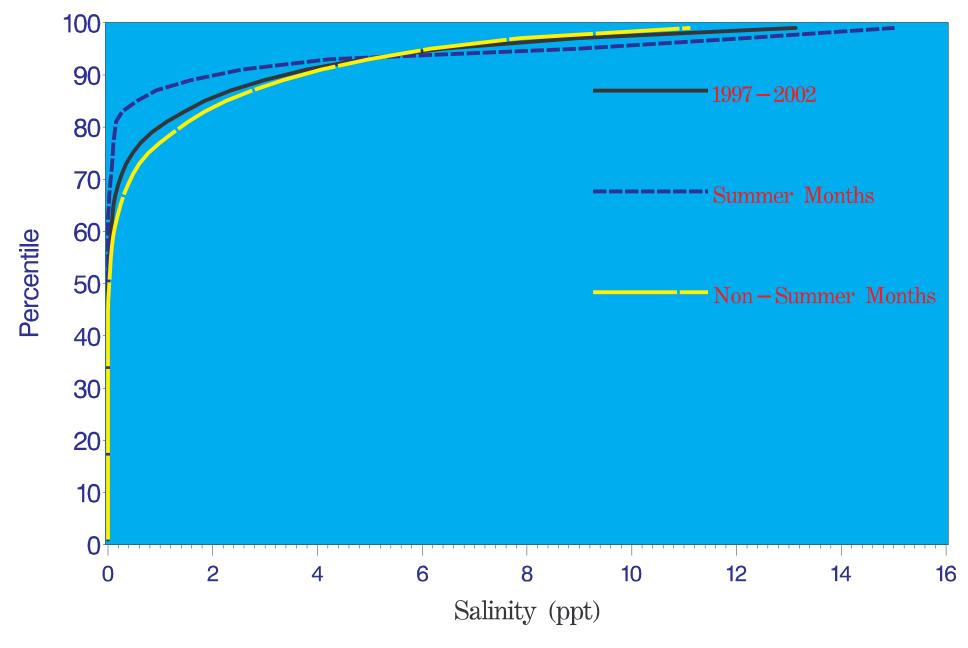


Figure 5.17b CDF of daily range of bottom salinity at Peace River Heights (RK 26.7)

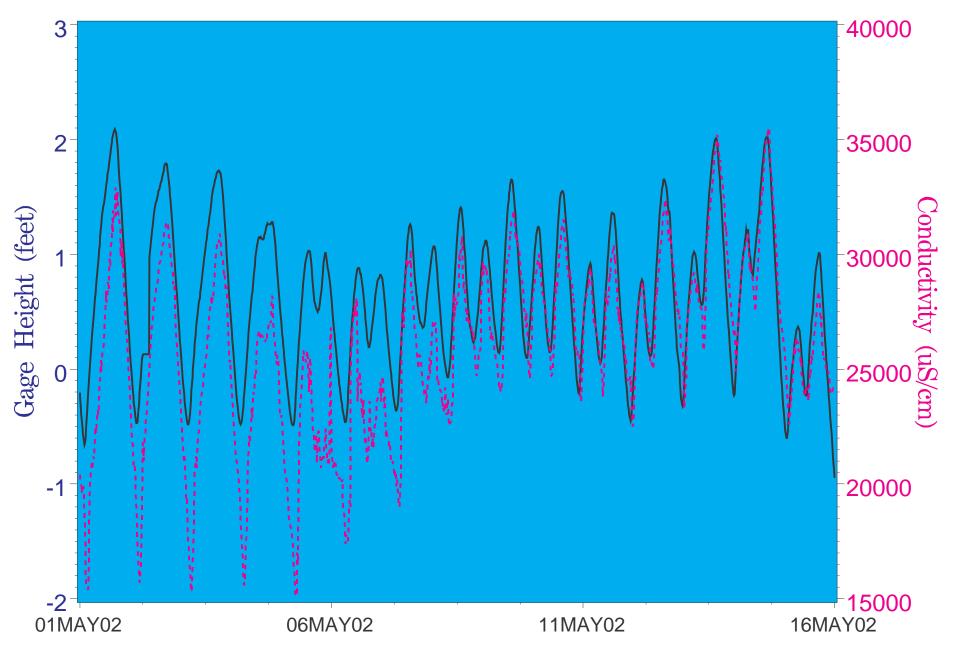


Figure 5.18a Surface conductivity in May at Harbour Heights (River Kilometer 15.5)

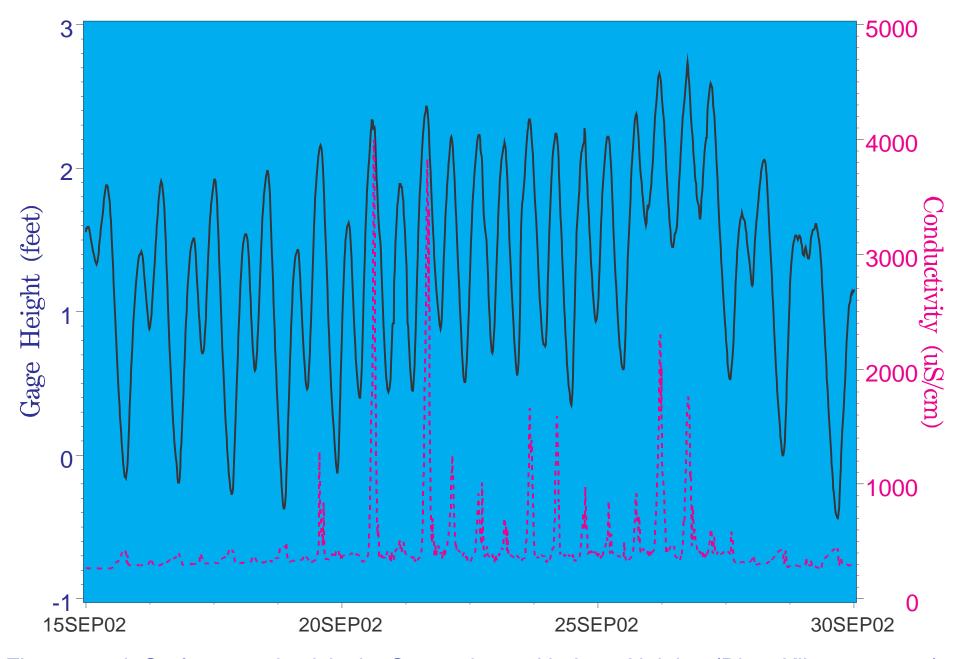


Figure 5.18b Surface conductivity in September at Harbour Heights (River Kilometer 15.5)

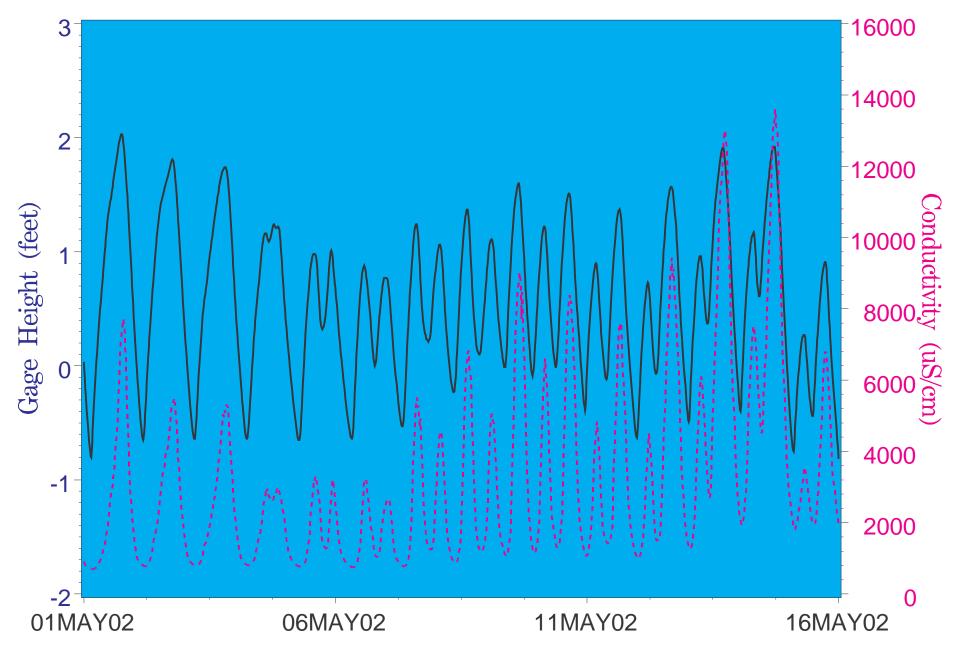


Figure 5.19a Surface conductivity in May at Peace River Heights (River Kilometer 26.7)

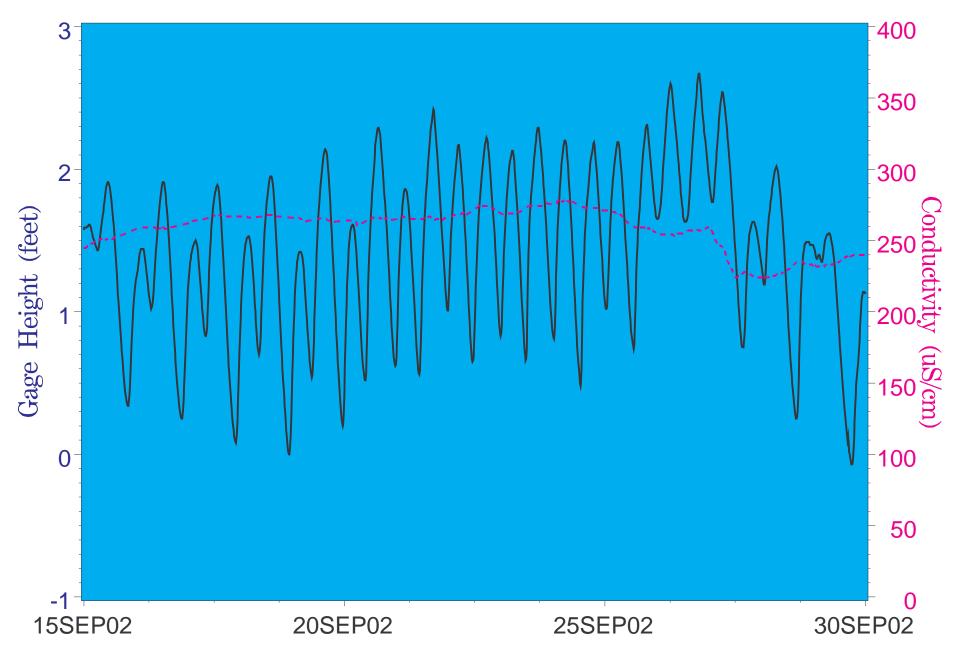


Figure 5.19b Surface conductivity in September at Peace River Heights (River Kilometer 26.7)

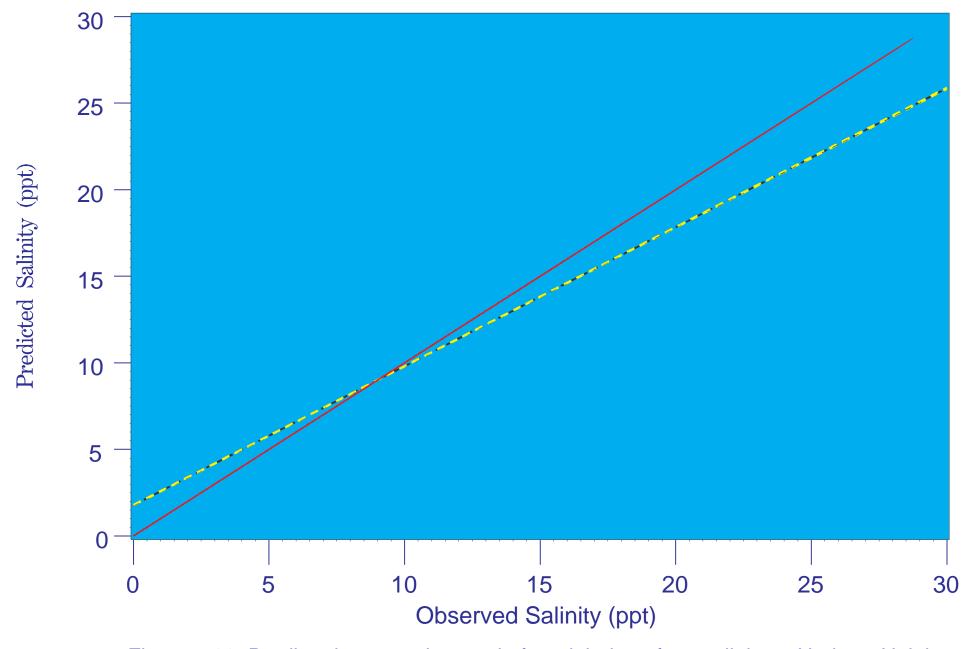


Figure 5.20 Predicted versus observed of modeled surface salinity at Harbour Heights

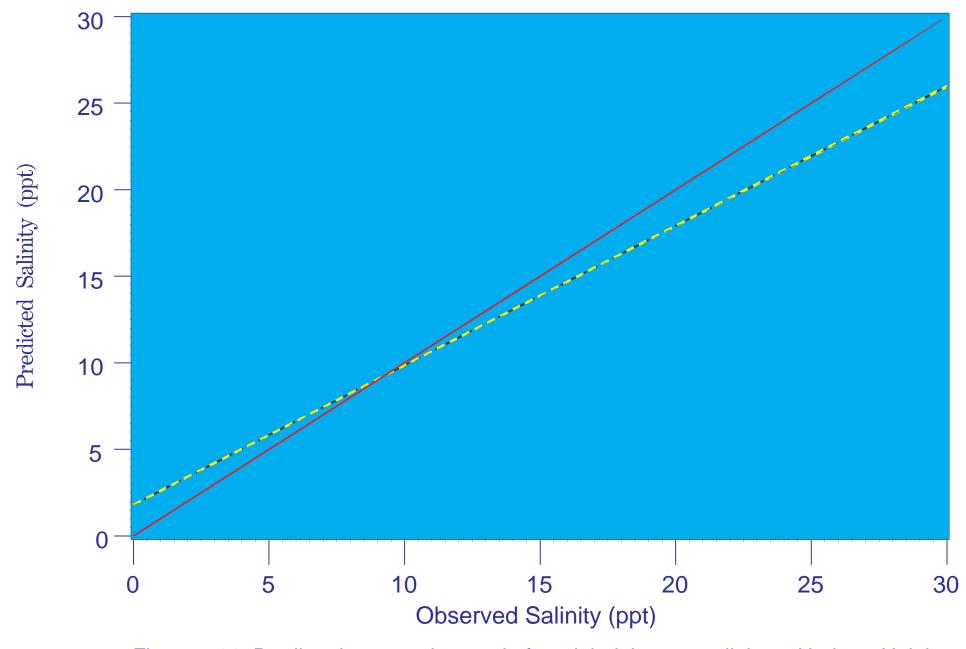


Figure 5.21 Predicted versus observed of modeled bottom salinity at Harbour Heights

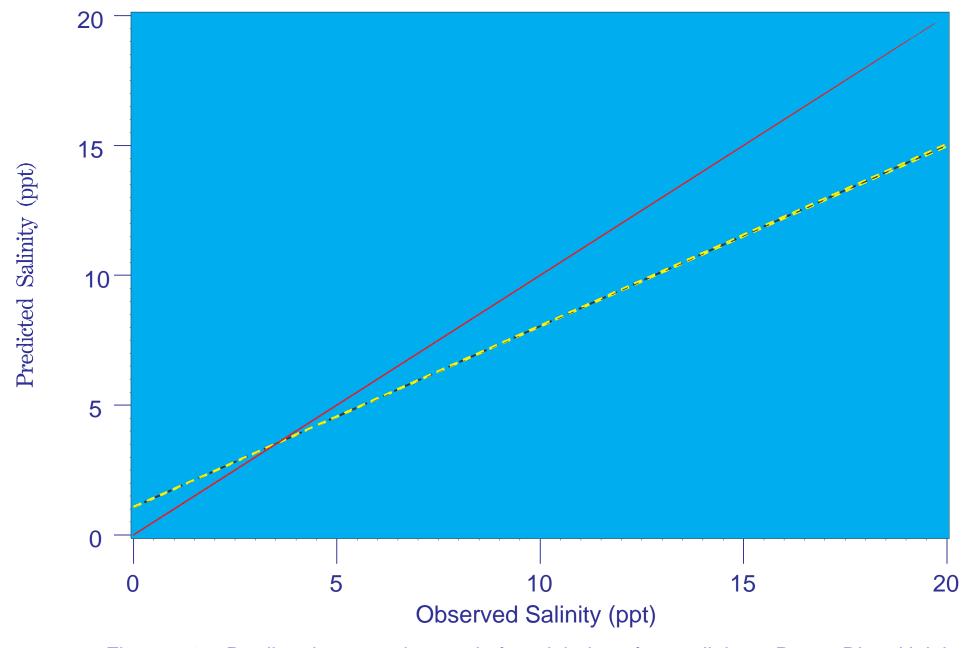


Figure 5.22 Predicted versus observed of modeled surface salinity at Peace River Heights

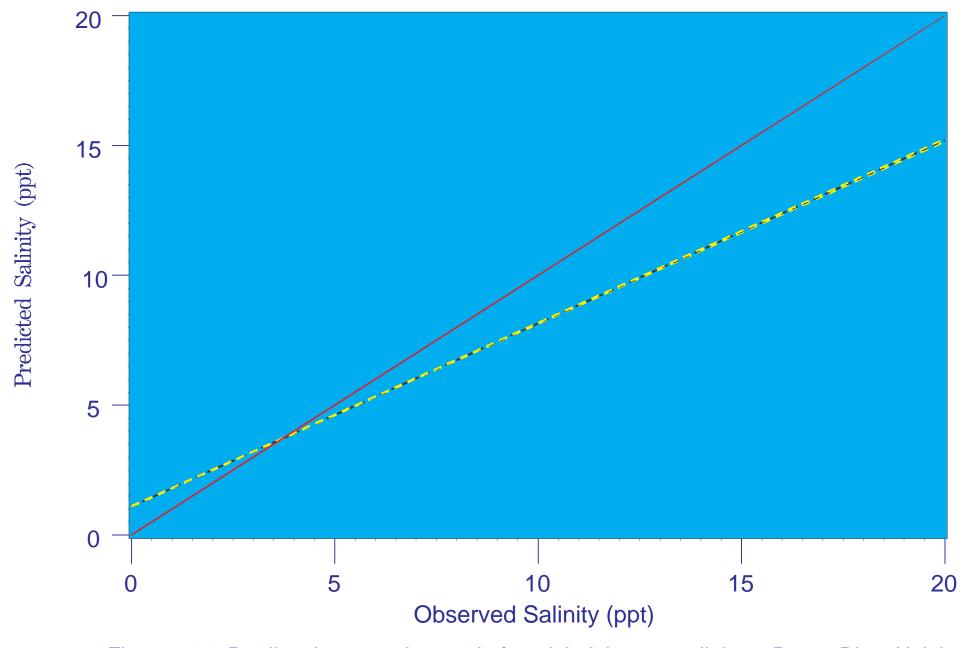


Figure 5.23 Predicted versus observed of modeled bottom salinity at Peace River Heights

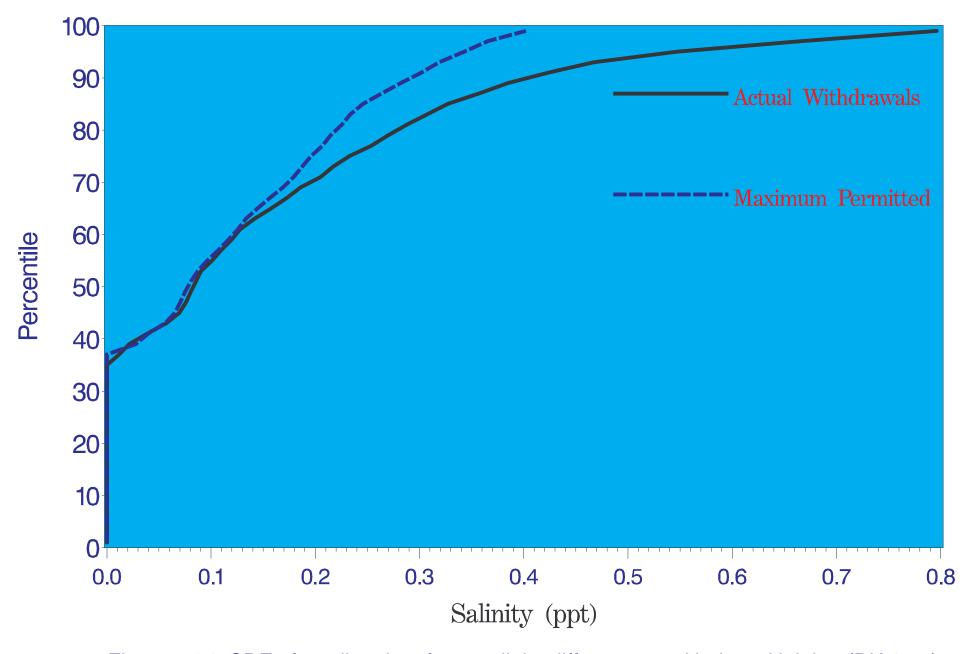


Figure 5.24 CDF of predicted surface salinity differences at Harbour Heights (RK 15.5)

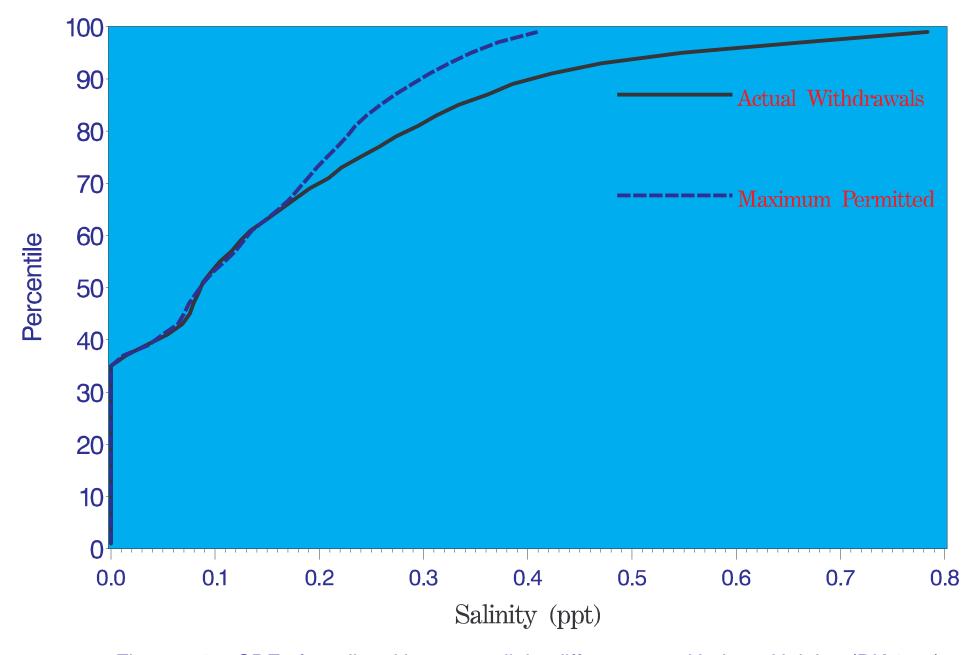


Figure 5.25 CDF of predicted bottom salinity differences at Harbour Heights (RK 15.5)

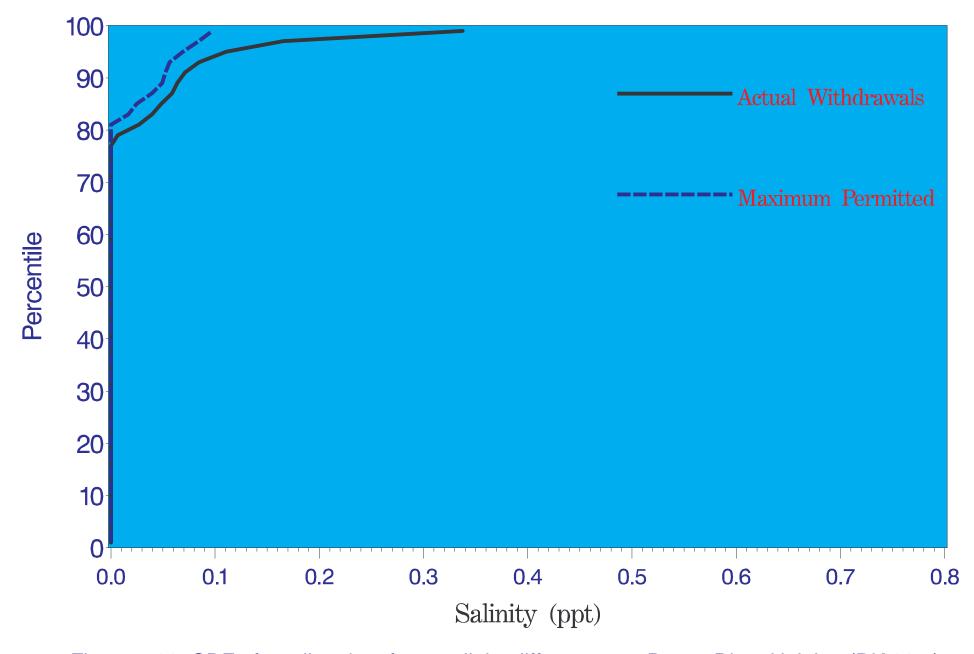


Figure 5.26 CDF of predicted surface salinity differences at Peace River Heights (RK 26.7)

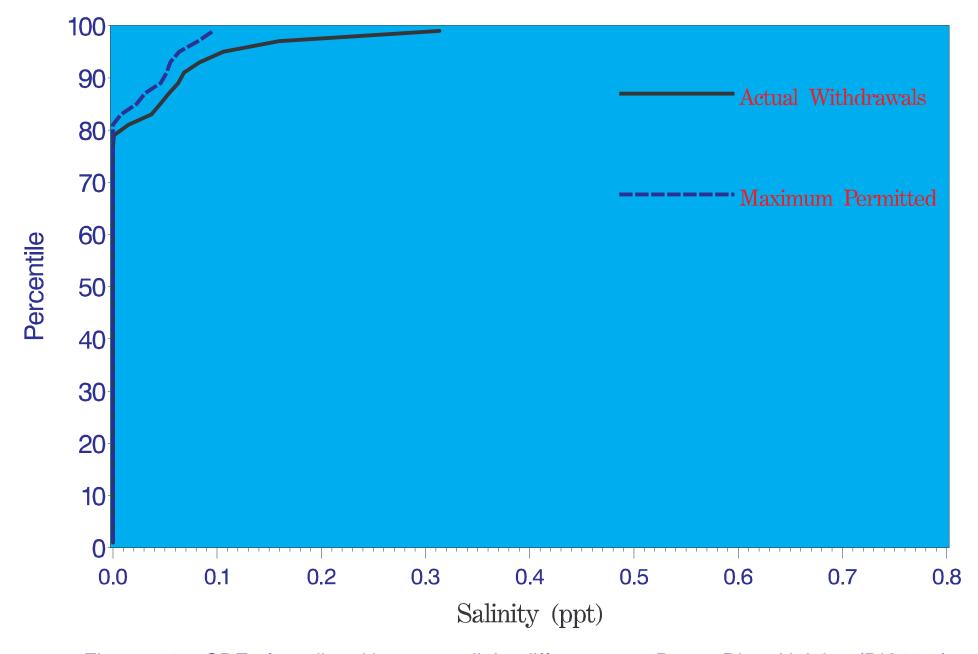
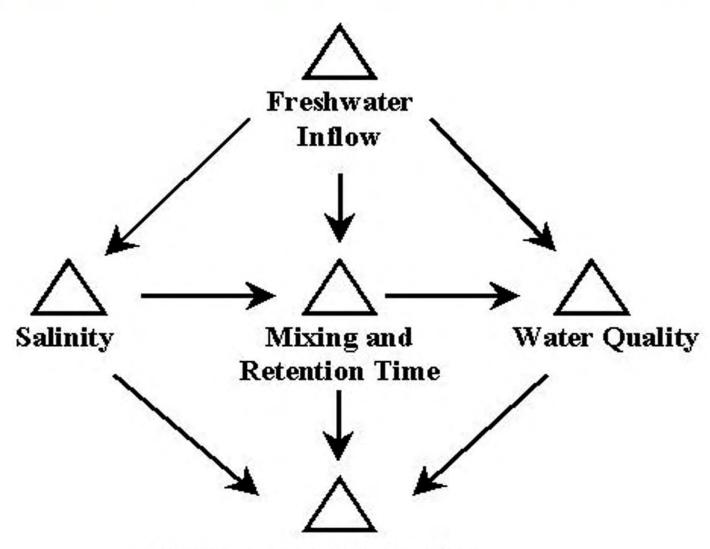


Figure 5.27 CDF of predicted bottom salinity differences at Peace River Heights (RK 26.7)

Figure 6.1

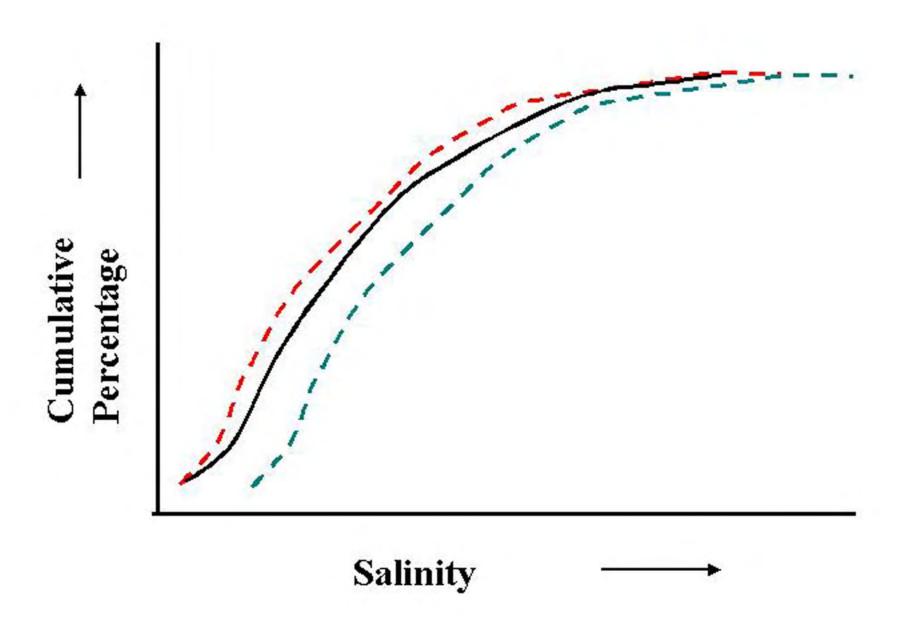
Conceptual Mode Of Impact Of Surface Water Withdrawals



Biotic and Habitat Indicators

Figure 6.2

Conceptual Illustration Of A Salinity Target Range



Conceptual Decision Tree For Evaluating Salinity Change

Figure 6.3

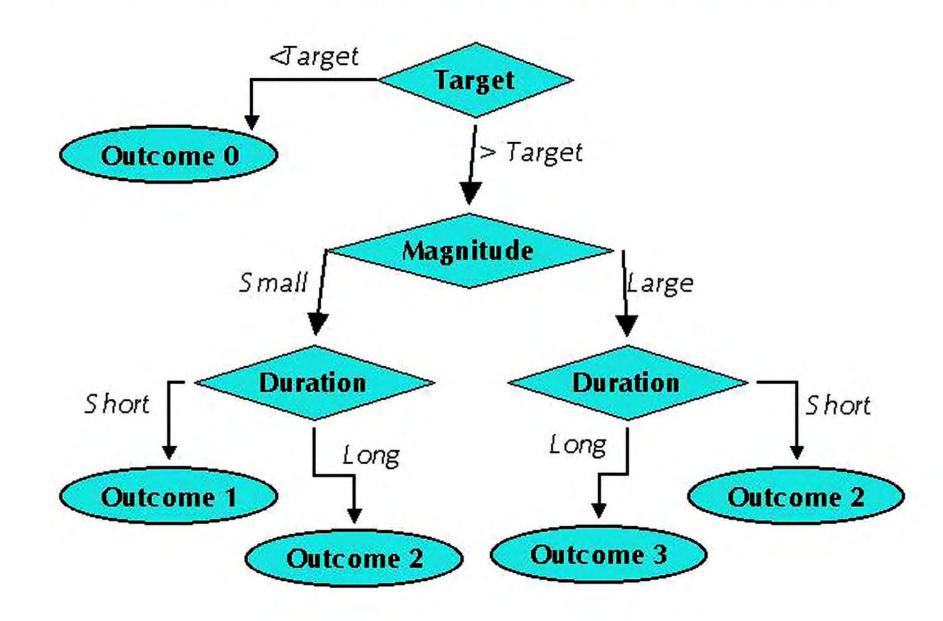
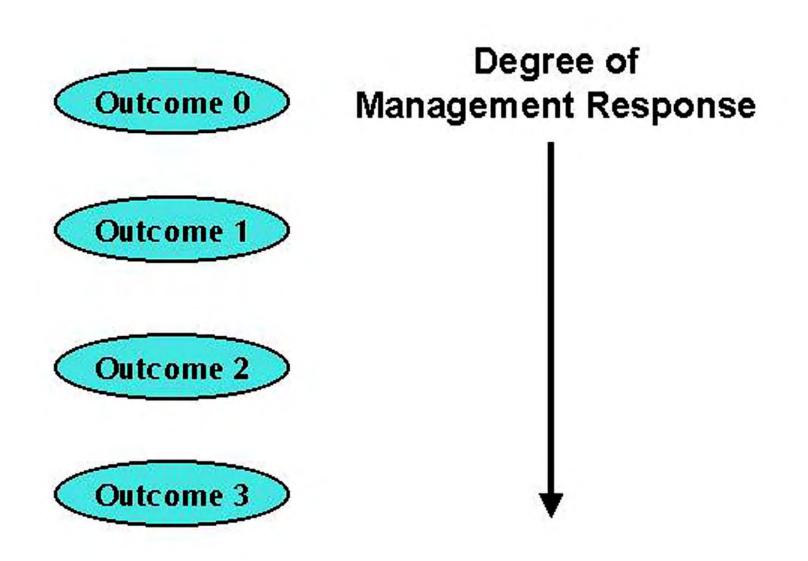


Figure 6.4

Relationship Of The Observed Salinity Change To Management Response



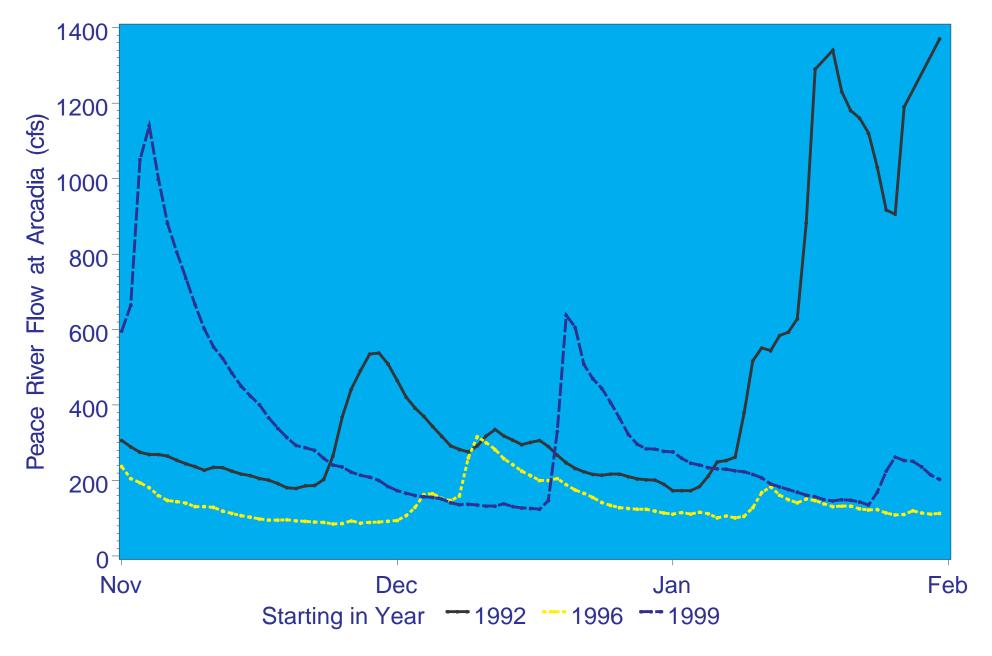


Figure 7.1a Examples of variability of fall/winter Peace River at Arcadia flows

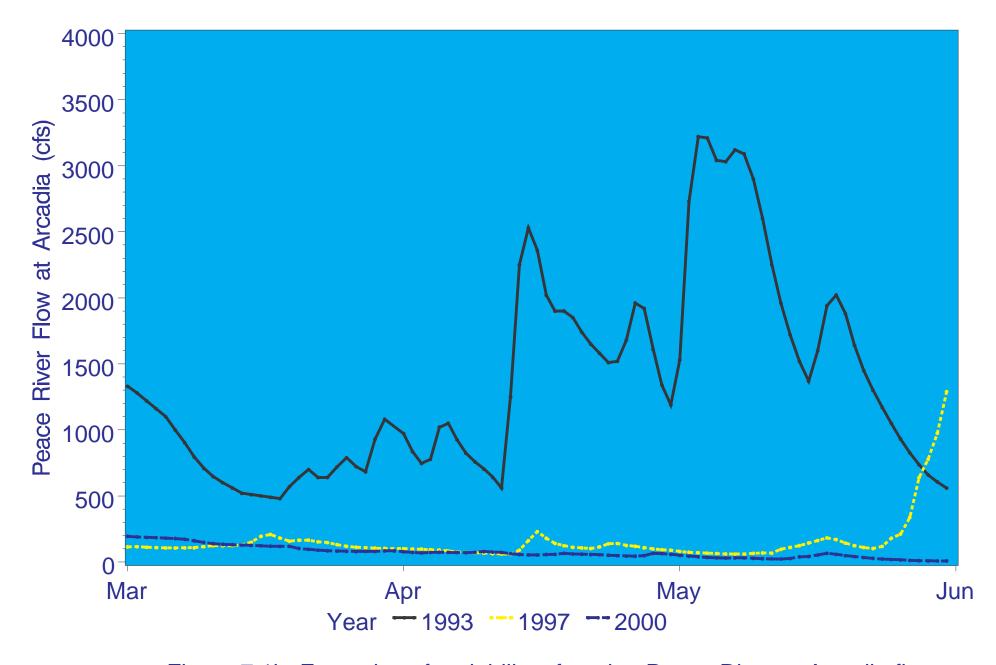


Figure 7.1b Examples of variability of spring Peace River at Arcadia flows

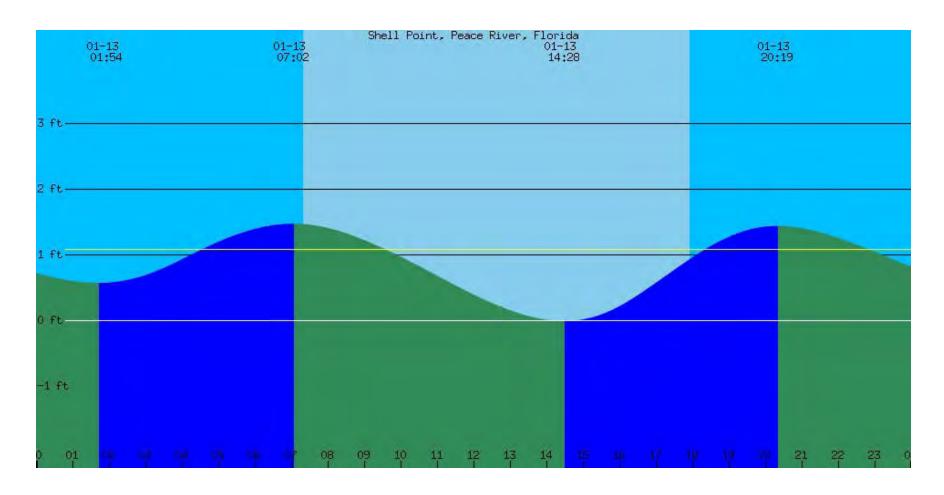
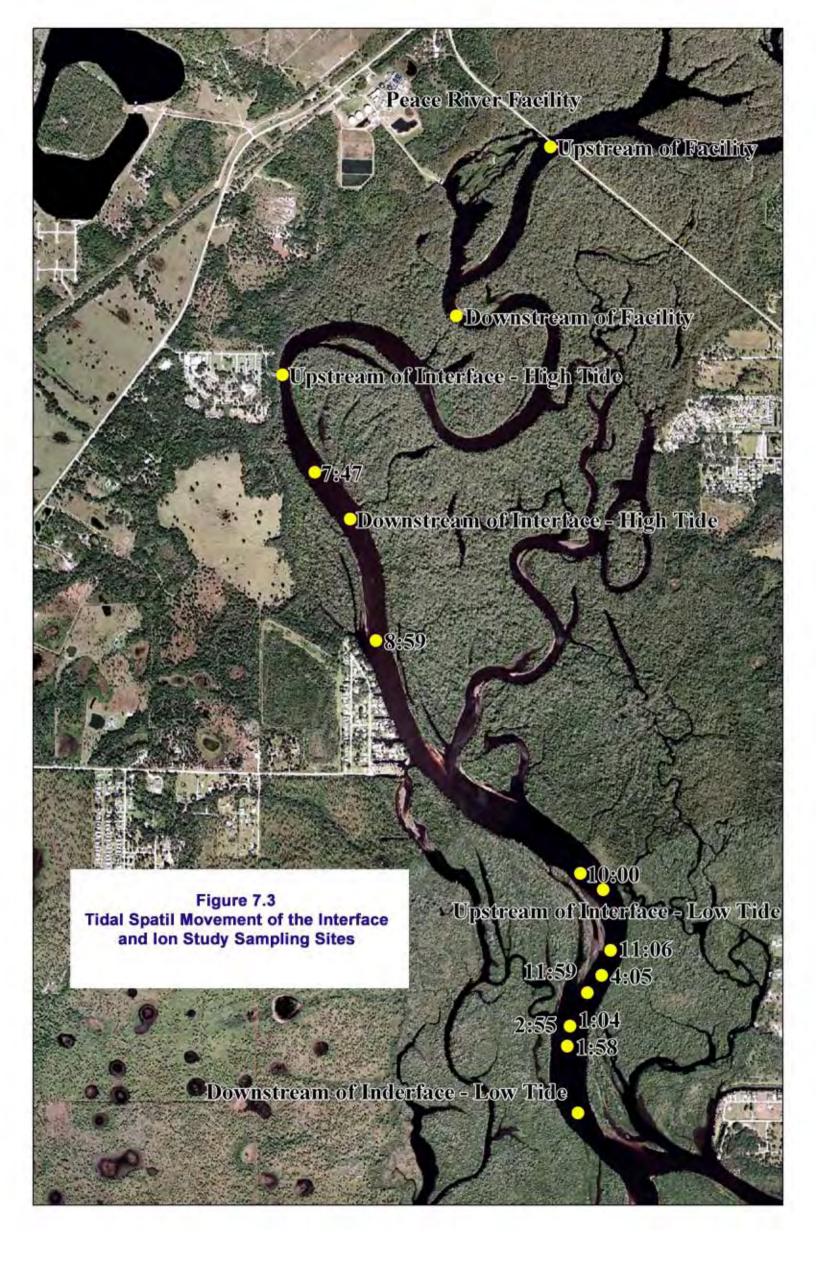


Figure 7.2 Predicted tide heights in the lower Peace River on January 13, 2004

Note: Maximum and minimum tides expected to be offset by approximately forty to fifty minutes upstream near the Facility.



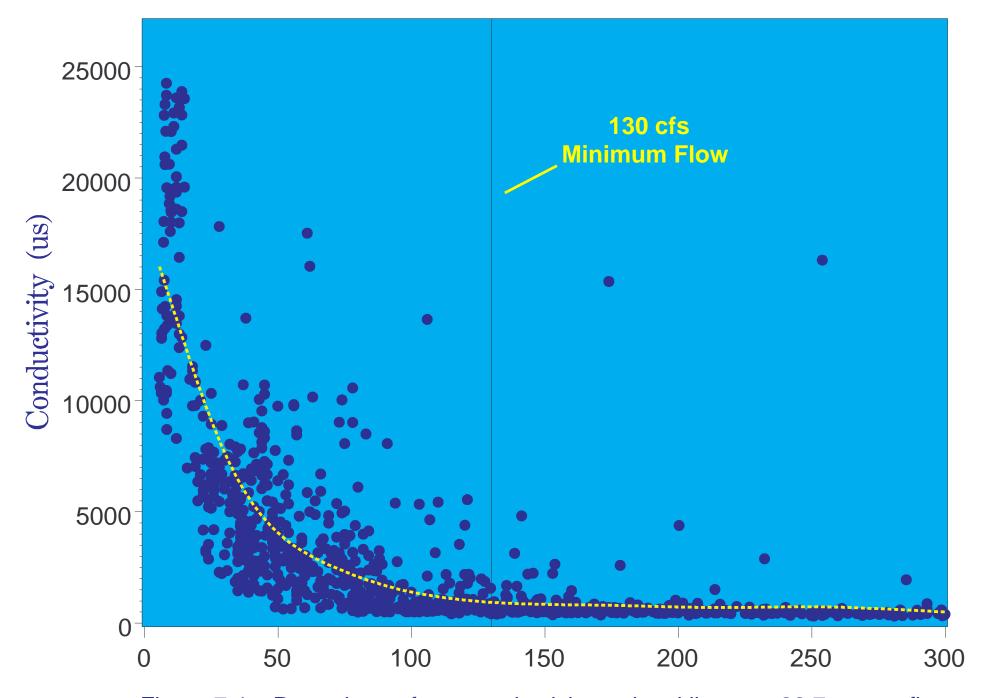


Figure 7.4a Recorder surface conductivity at river kilometer 26.7 versus flow

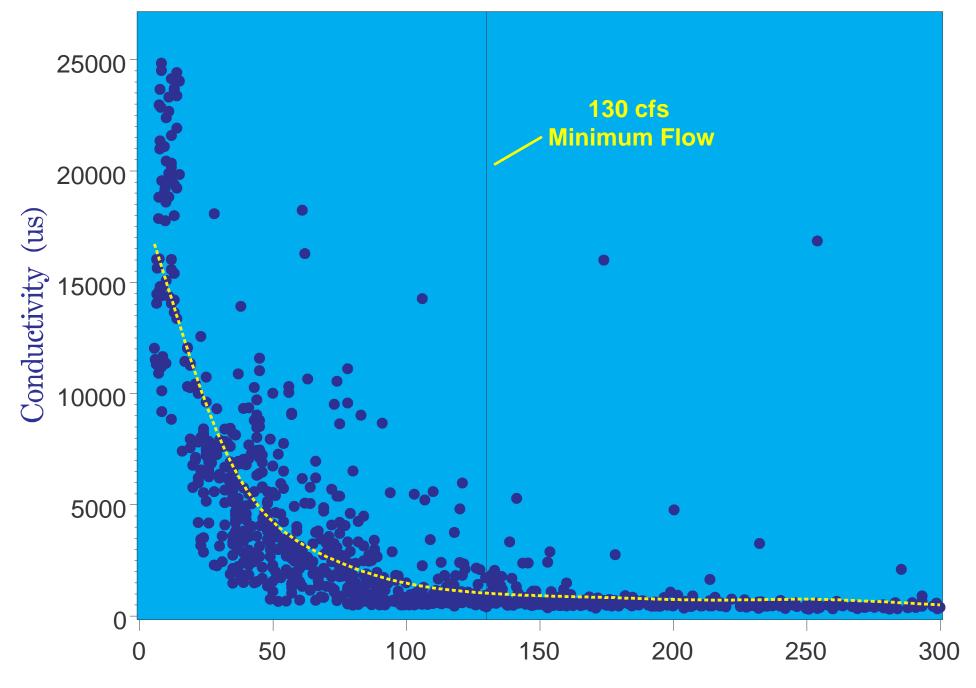


Figure 7.4b Recorder bottom conductivity at river kilometer 26.7 versus flow

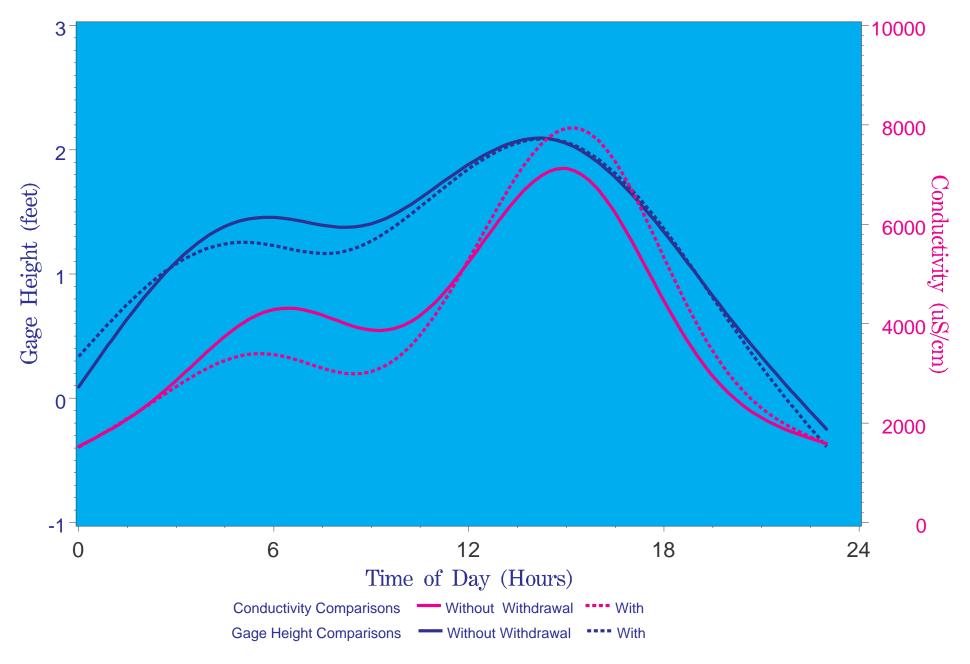


Figure 7.5a Surface conductivity, flows = 42 & 50 cfs, withdrawals = 10.7 & 0 cfs

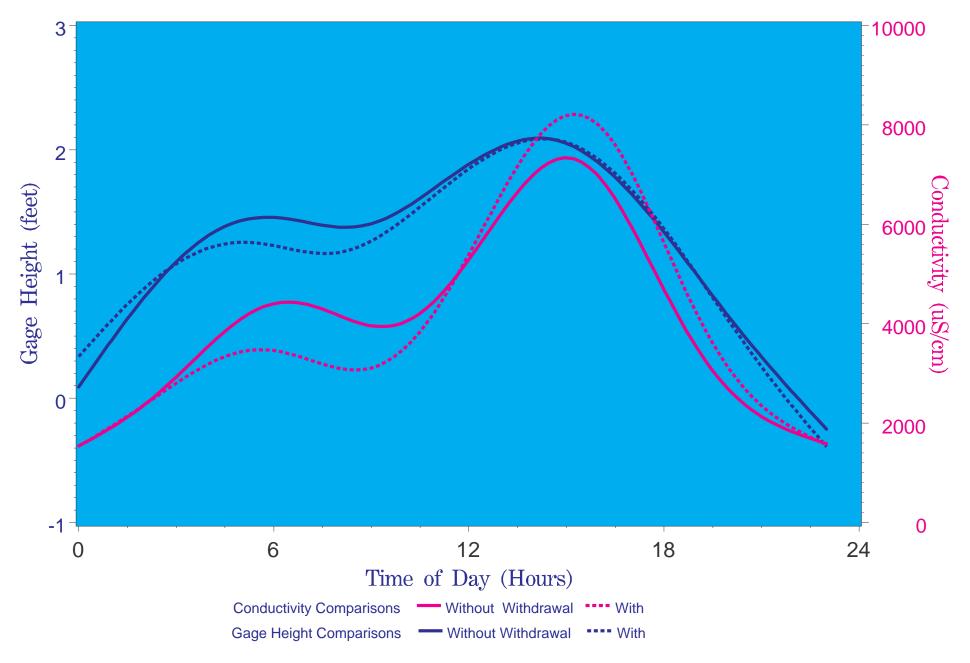


Figure 7.5b Bottom conductivity, flows = 42 & 50 cfs, withdrawals = 10.7 & 0 cfs

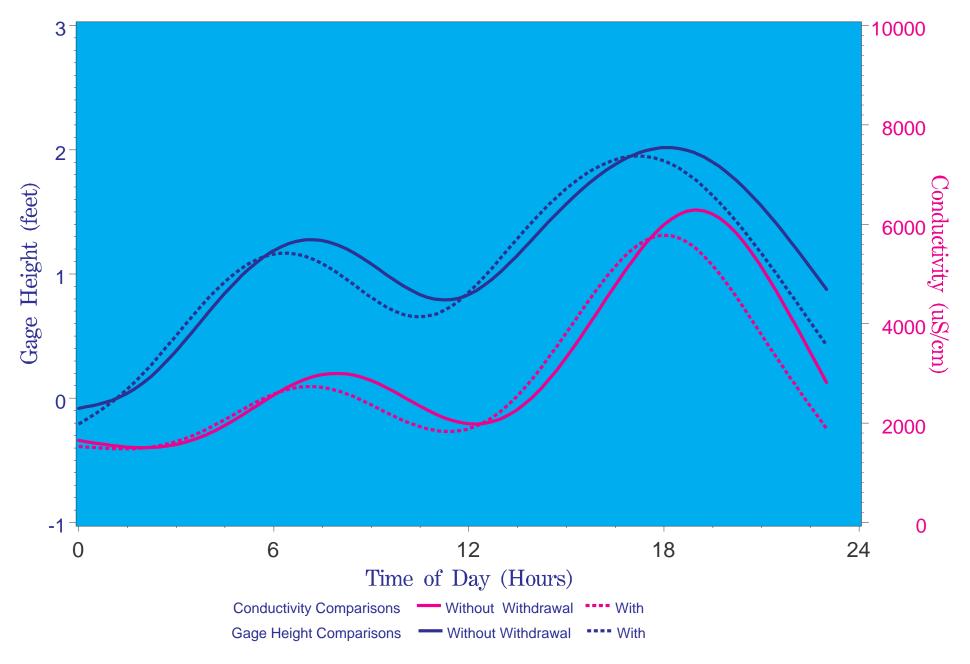


Figure 7.6a Surface conductivity, flows = 65 & 57 cfs, withdrawals = 13.9 & 0 cfs

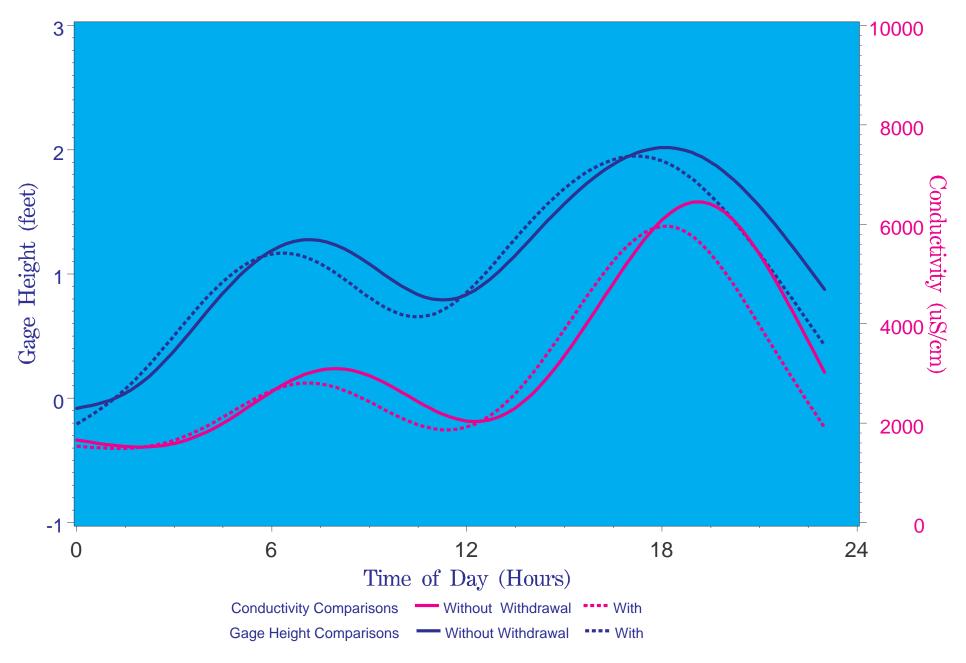


Figure 7.6b Bottom conductivity, flows = 65 & 57 cfs, withdrawals = 13.9 & 0 cfs

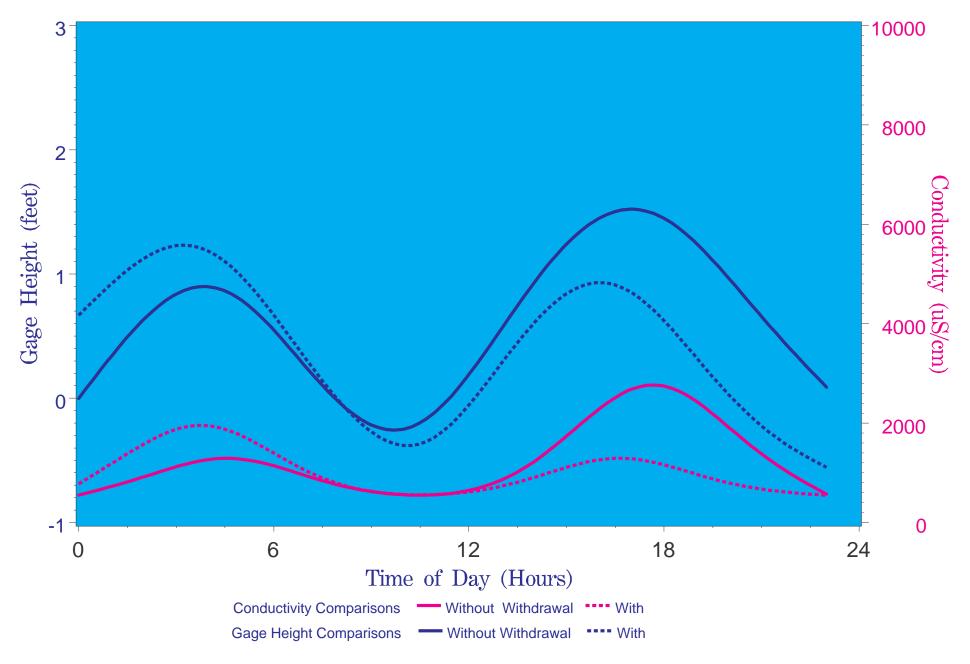


Figure 7.7a Surface conductivity, flows = 80 & 75 cfs, withdrawals = 13.3 & 0 cfs

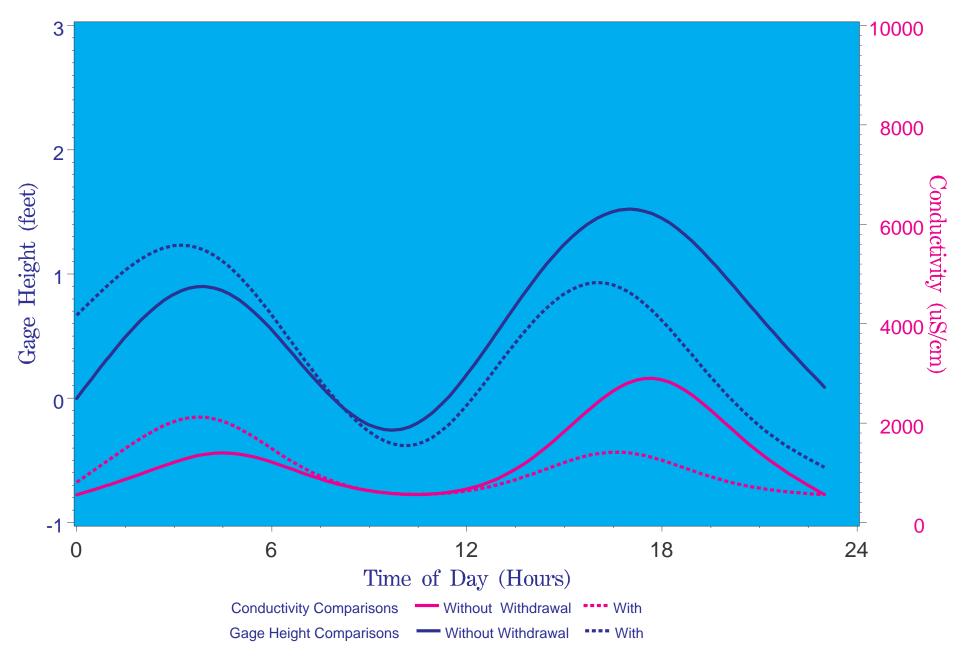


Figure 7.7b Bottom conductivity, flows = 80 & 75 cfs, withdrawals = 13.3 & 0 cfs

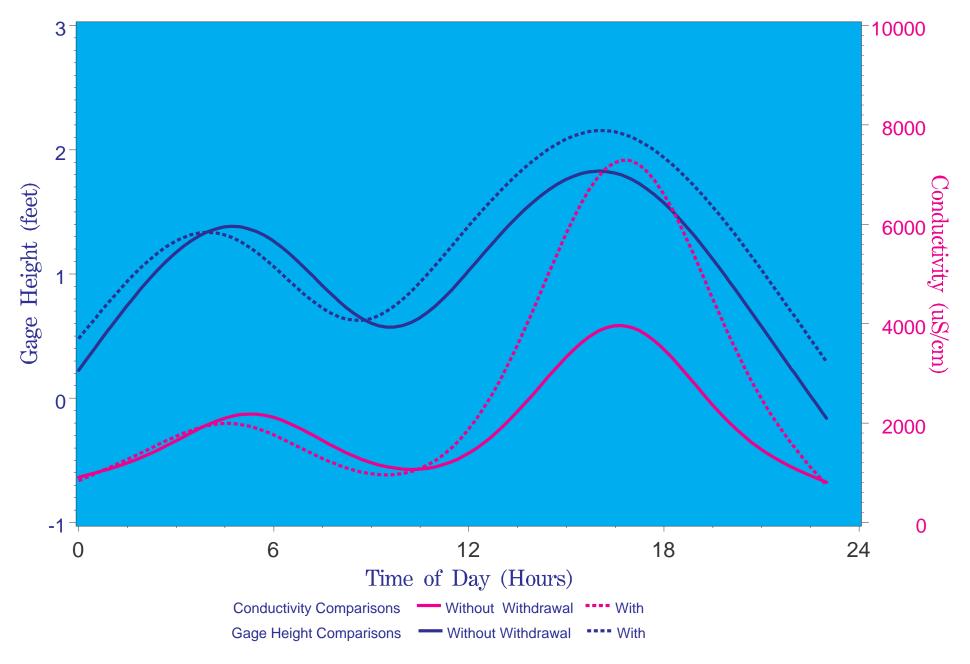


Figure 7.8a Surface conductivity, flows = 89 & 79 cfs, withdrawals = 12.8 & 0 cfs

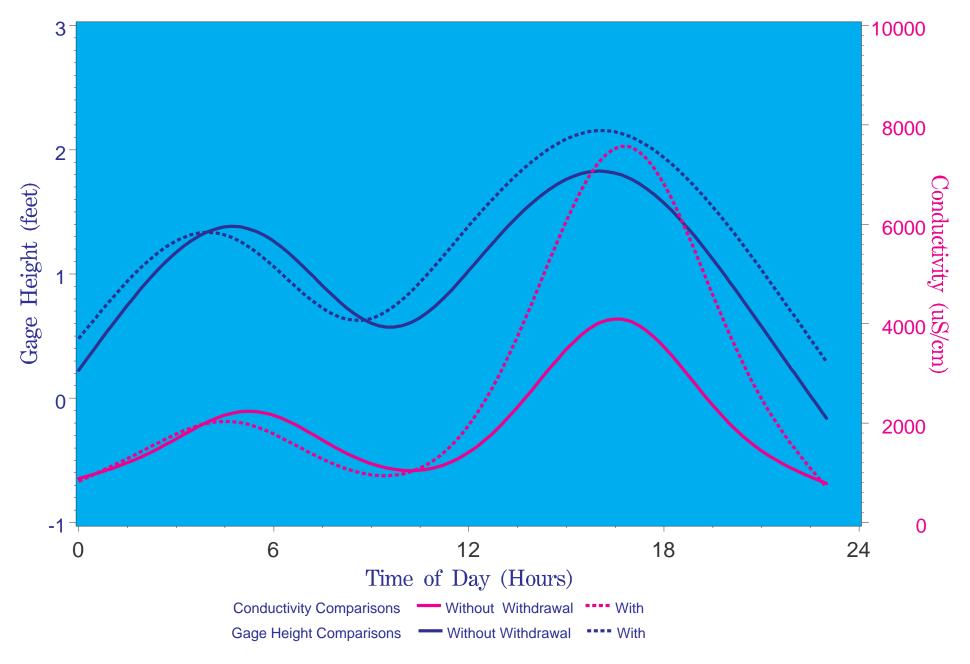


Figure 7.8b Bottom conductivity, flows = 89 & 79 cfs, withdrawals = 12.8 & 0 cfs

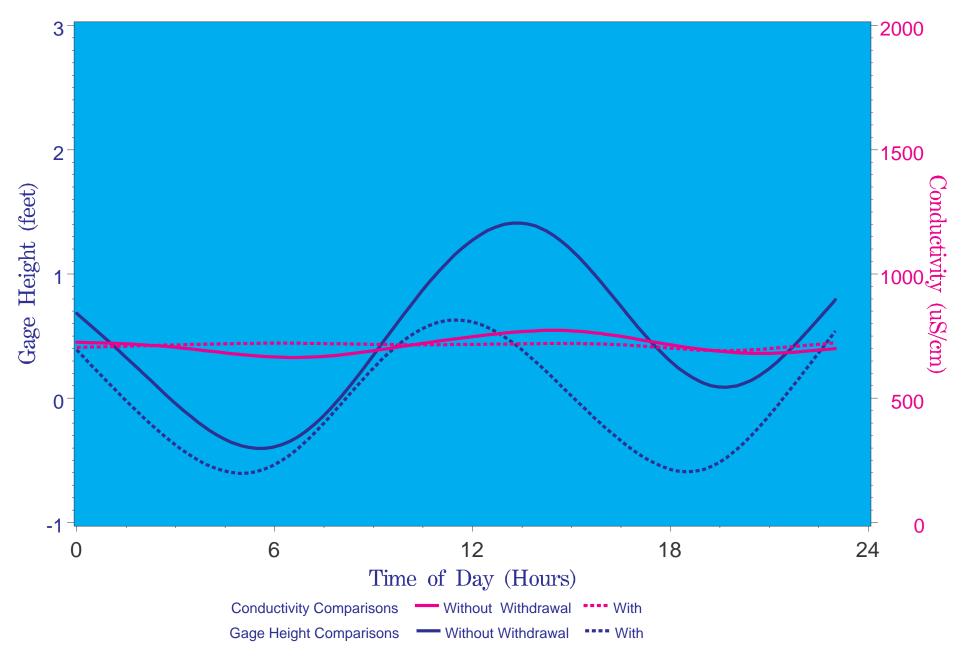


Figure 7.9a Surface conductivity, flows = 110 & 109 cfs, withdrawals = 9.2 & 0 cfs

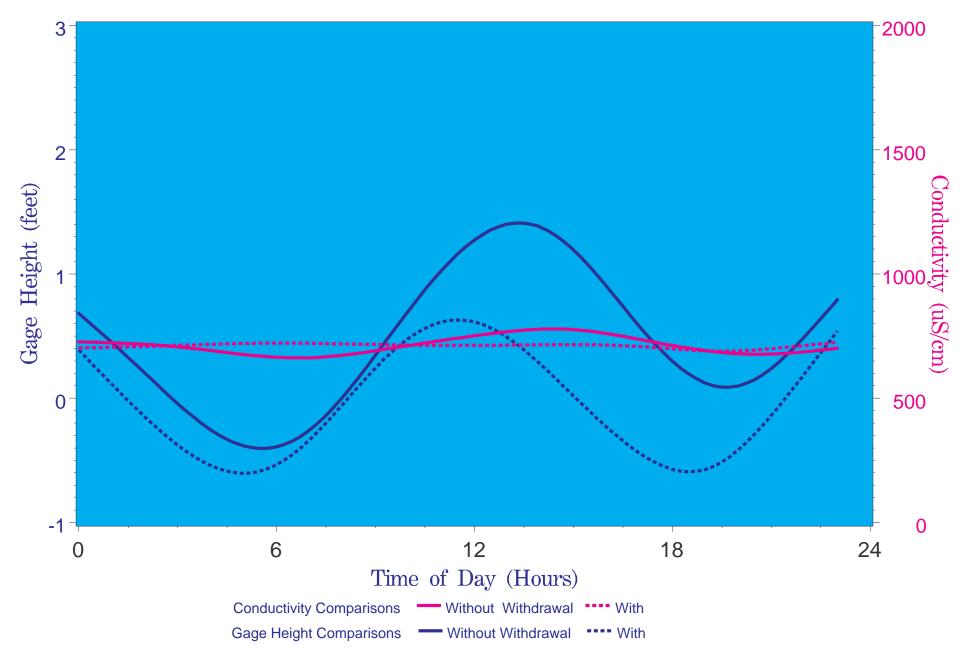


Figure 7.9b Bottom conductivity, flows = 110 & 109 cfs, withdrawals = 9.2 & 0 cfs

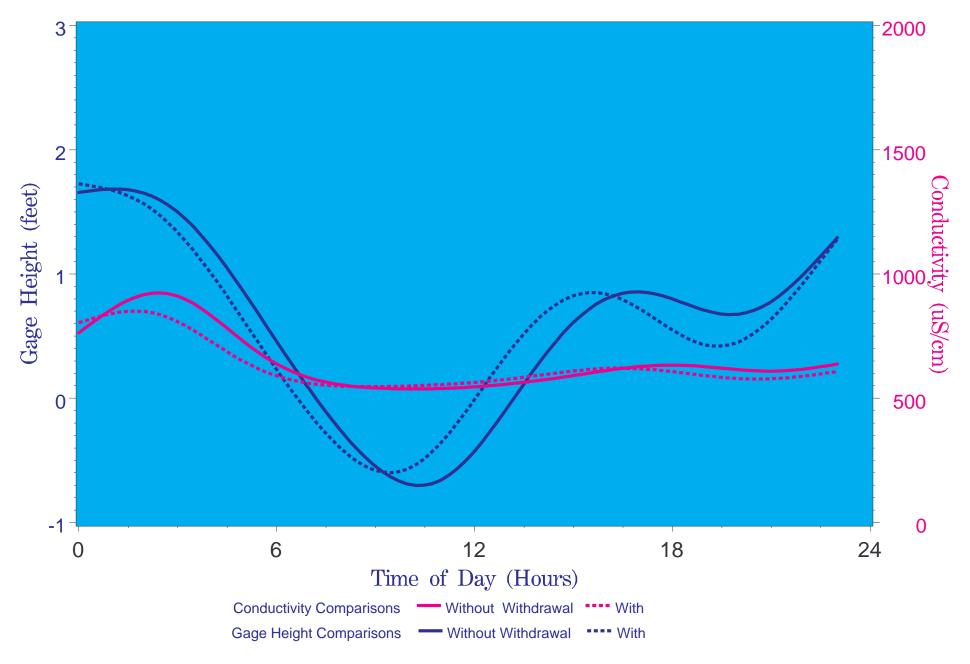


Figure 7.10a Surface conductivity, flows = 122 & 123 cfs, withdrawals = 8.0 & 0 cfs

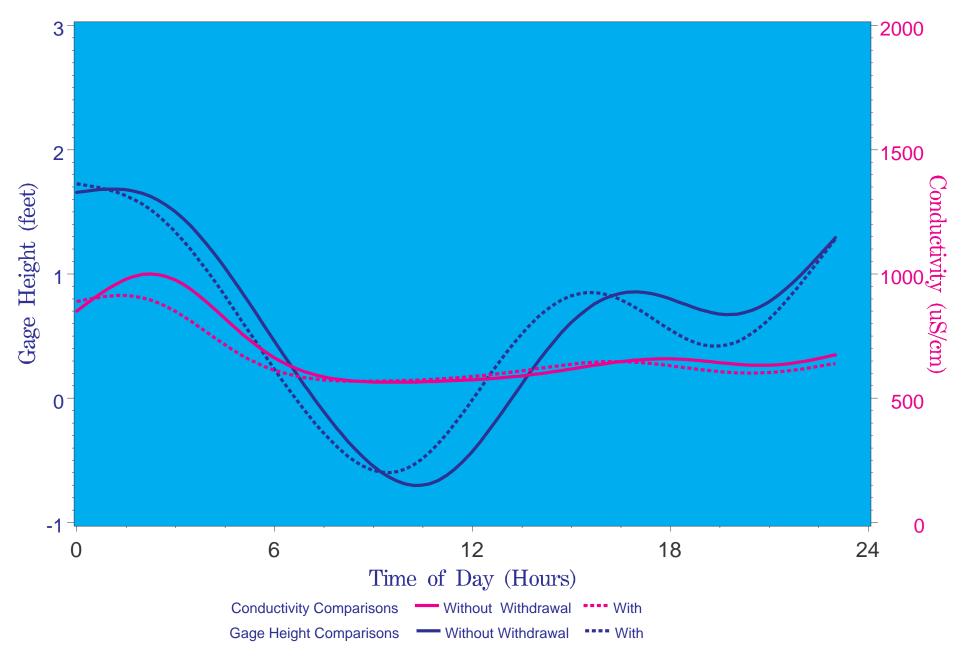


Figure 7.10b Bottom conductivity, flows = 122 & 123 cfs, withdrawals = 8.0 & 0 cfs

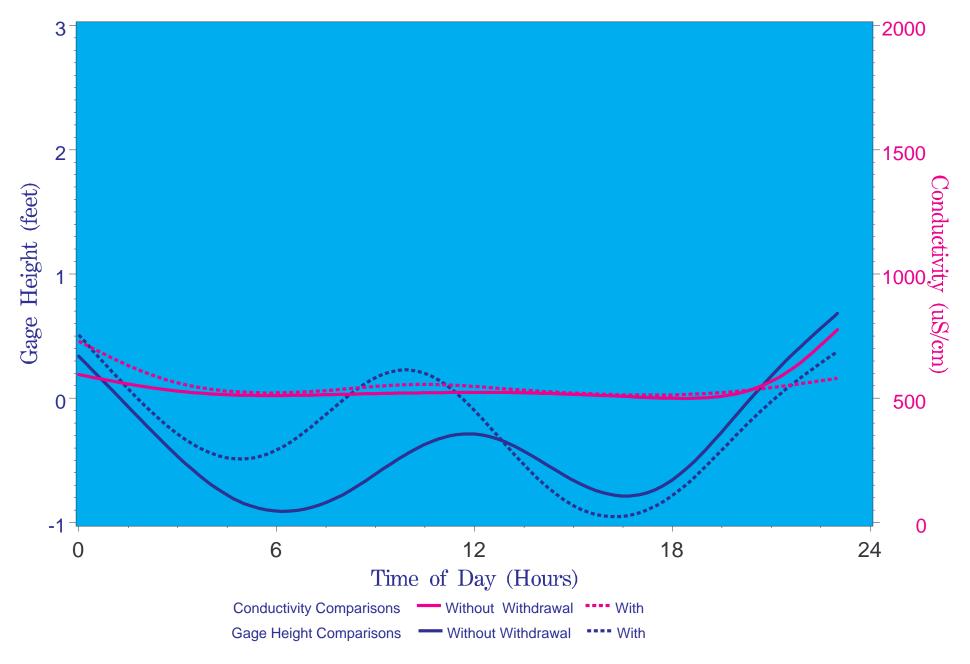


Figure 7.11a Surface conductivity, flows = 126 & 124 cfs, withdrawals = 13.8 & 0 cfs

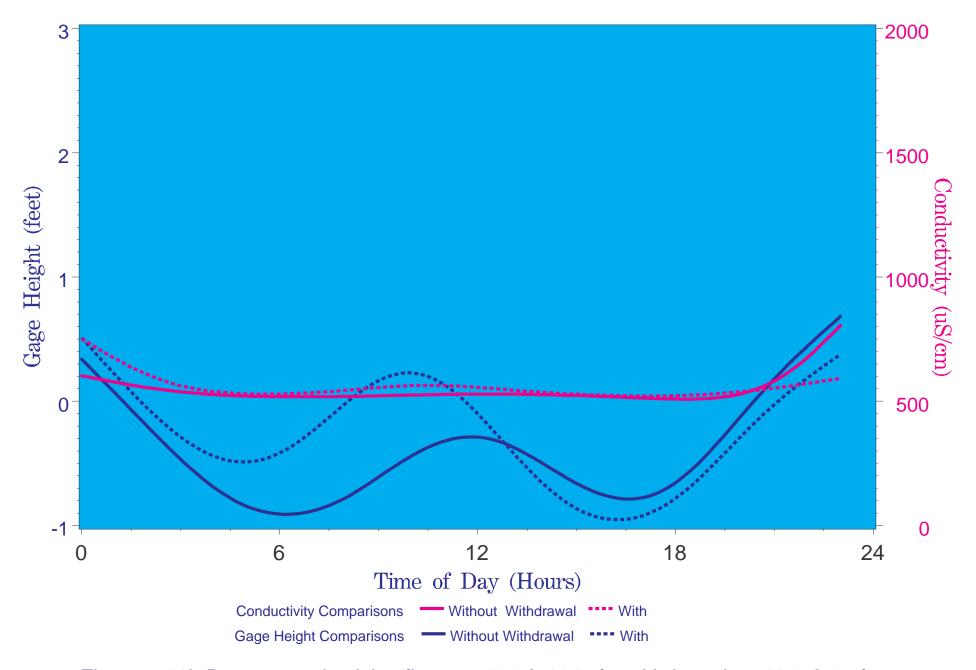


Figure 7.11b Bottom conductivity, flows = 126 & 124 cfs, withdrawals = 13.8 & 0 cfs

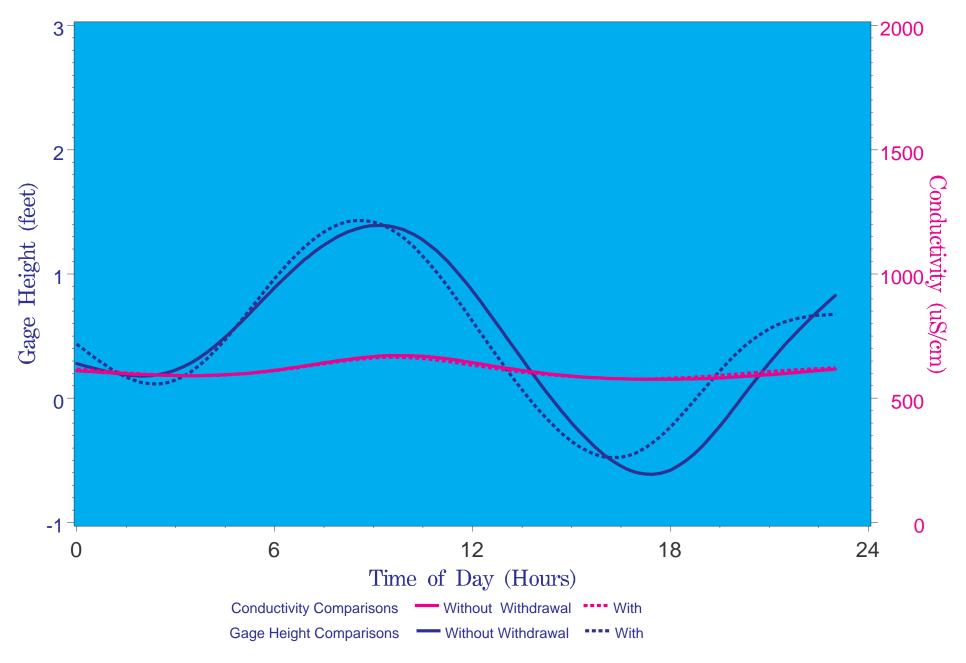


Figure 7.12a Surface conductivity, flows = 134 & 117 cfs, withdrawals = 11.5 & 0 cfs

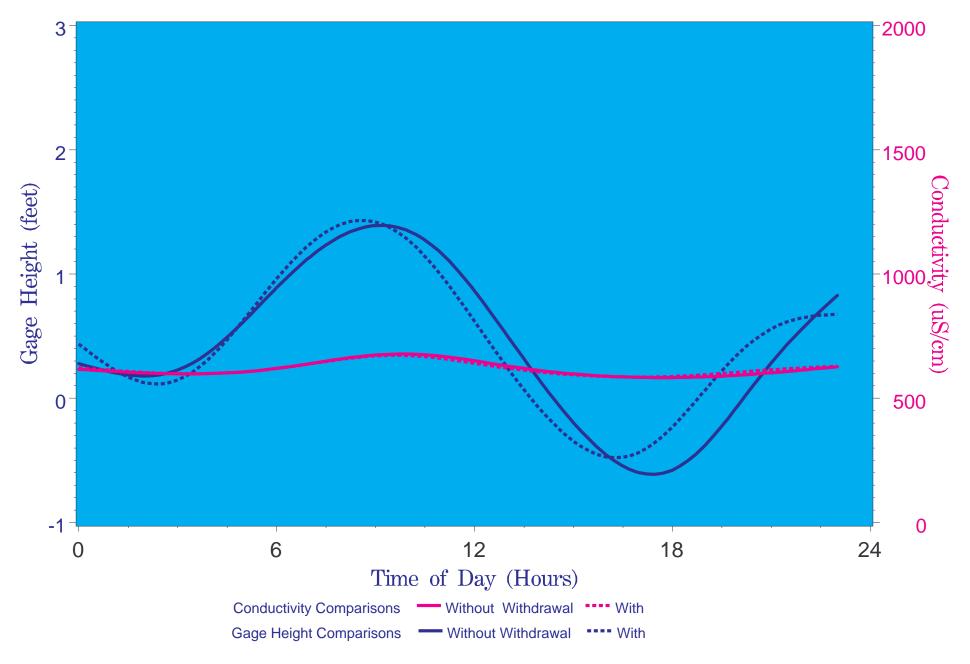


Figure 7.12b Bottom conductivity, flows = 134 & 117 cfs, withdrawals = 11.5 & 0 cfs

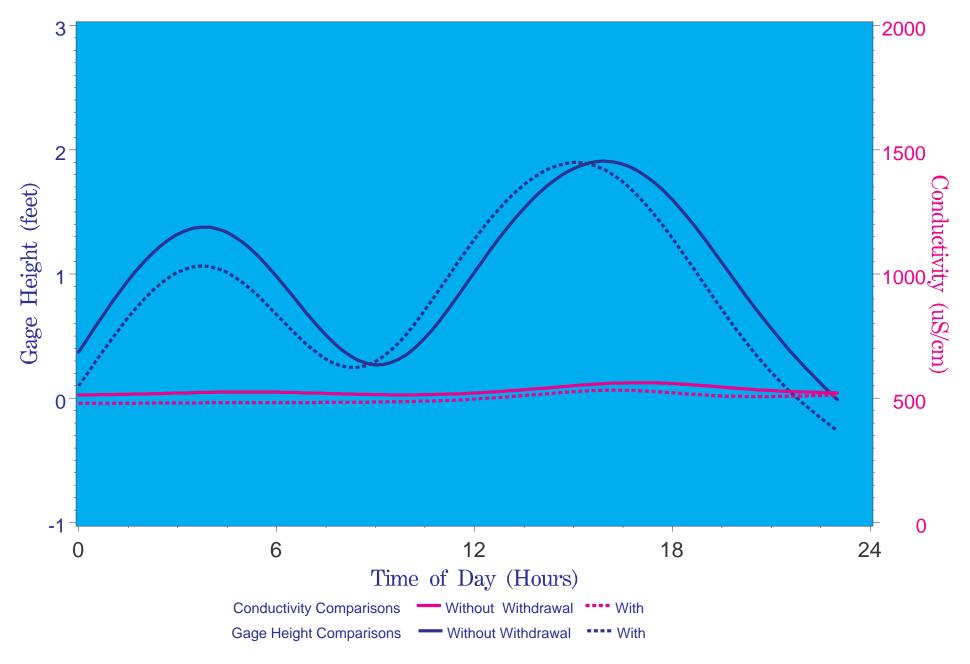


Figure 7.13a Surface conductivity, flows = 138 & 116 cfs, withdrawals = 14.6 & 0 cfs

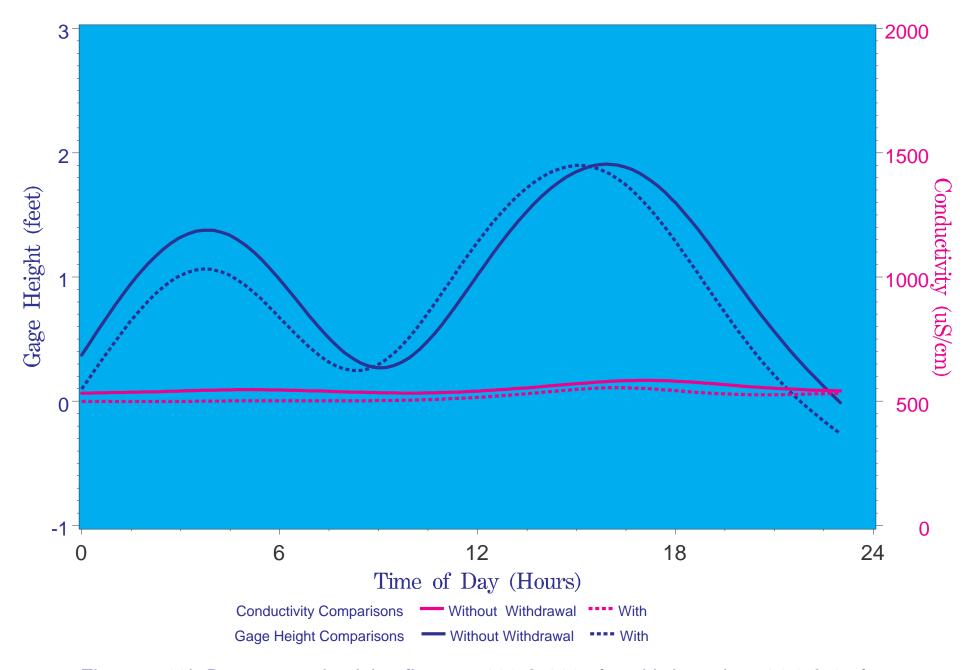


Figure 7.13b Bottom conductivity, flows = 138 & 116 cfs, withdrawals = 14.6 & 0 cfs

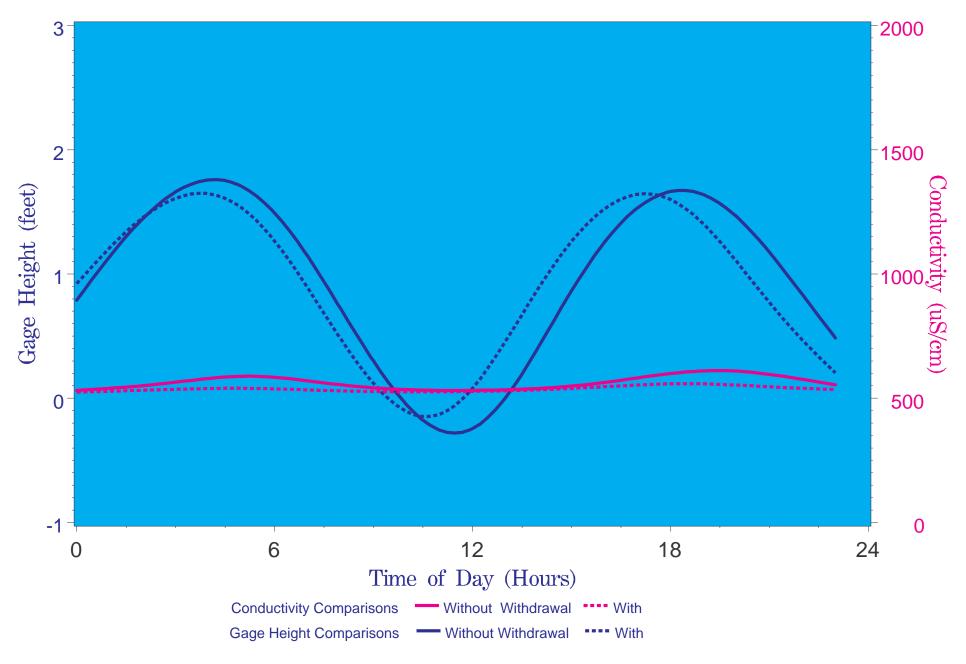


Figure 7.14a Surface conductivity, flows = 142 & 120 cfs, withdrawals = 13.7 & 0 cfs

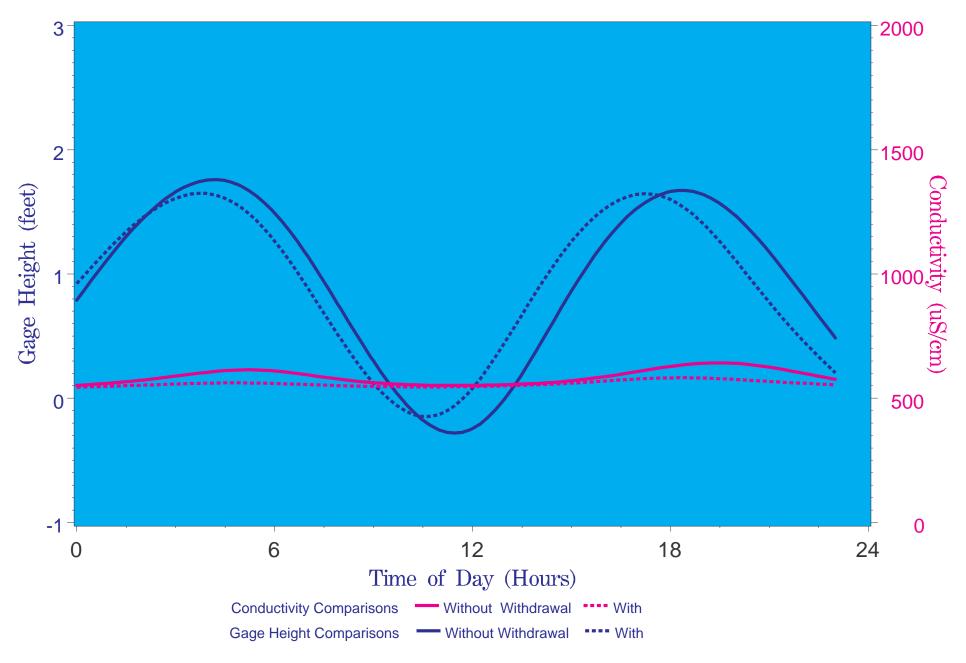


Figure 7.14b Bottom conductivity, flows = 142 & 120 cfs, withdrawals = 13.7 & 0 cfs

Figure 8.1
Trophic Levels

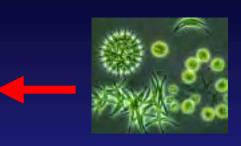
Freshwater Inflow



Nutrients (Nitrogen)



















Grazers



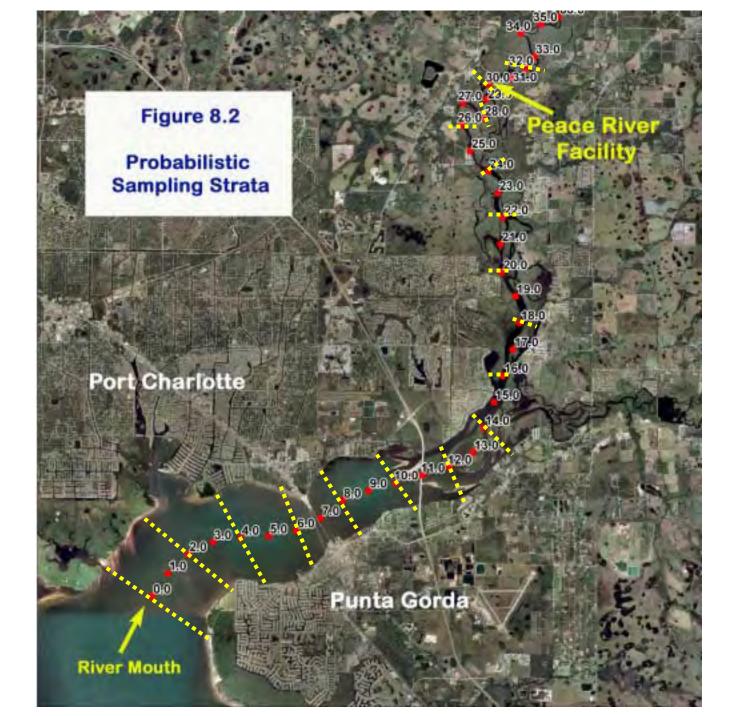




Predators







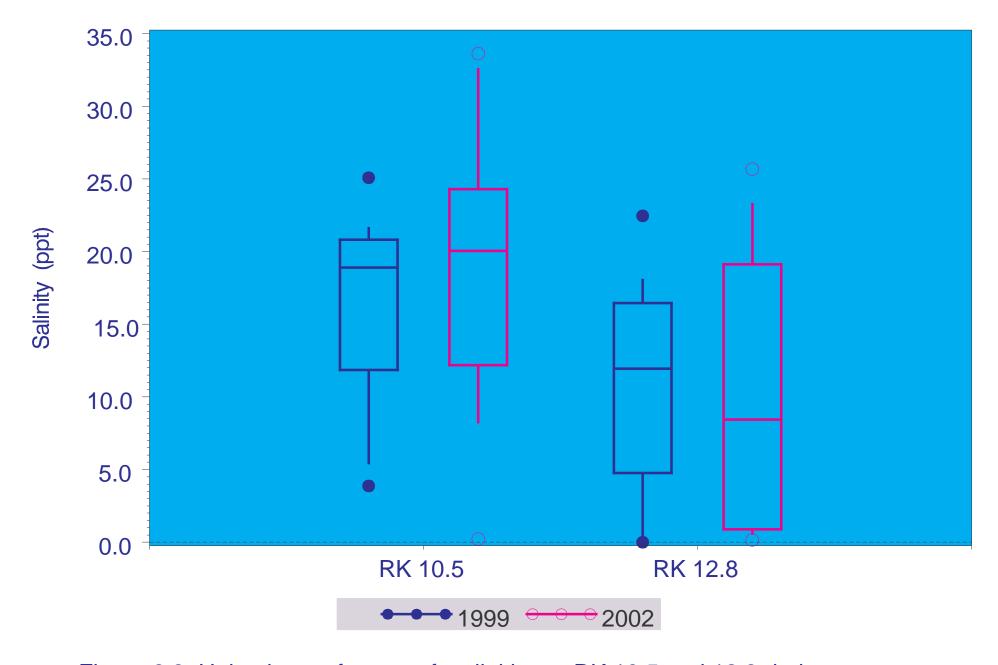


Figure 8.3 Univariates of range of salinities at RK 10.5 and 12.8 during recent years.

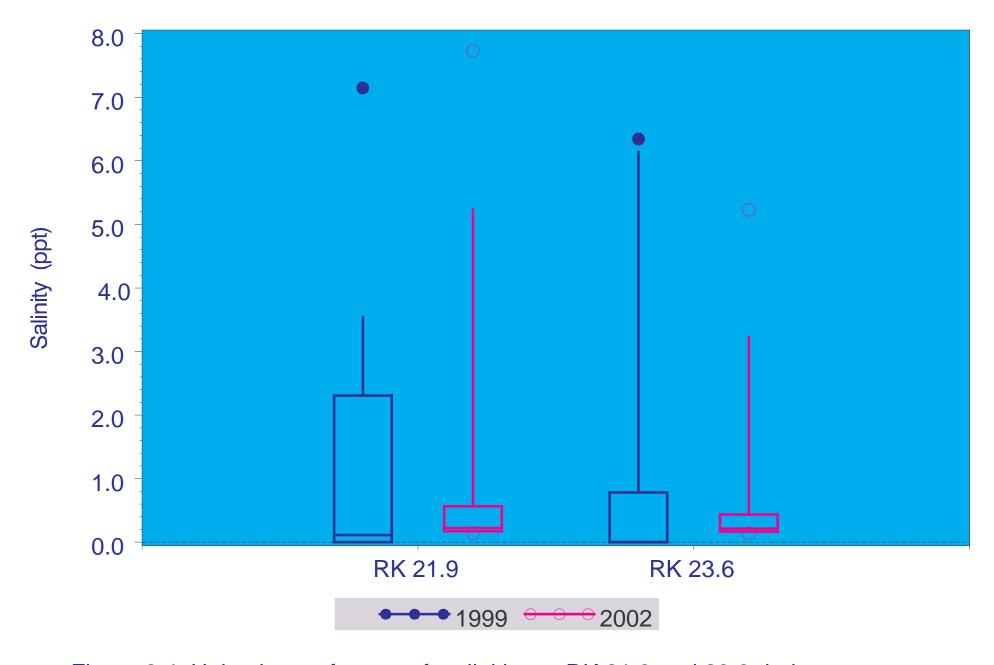


Figure 8.4 Univariates of range of salinities at RK 21.9 and 23.6 during recent years.

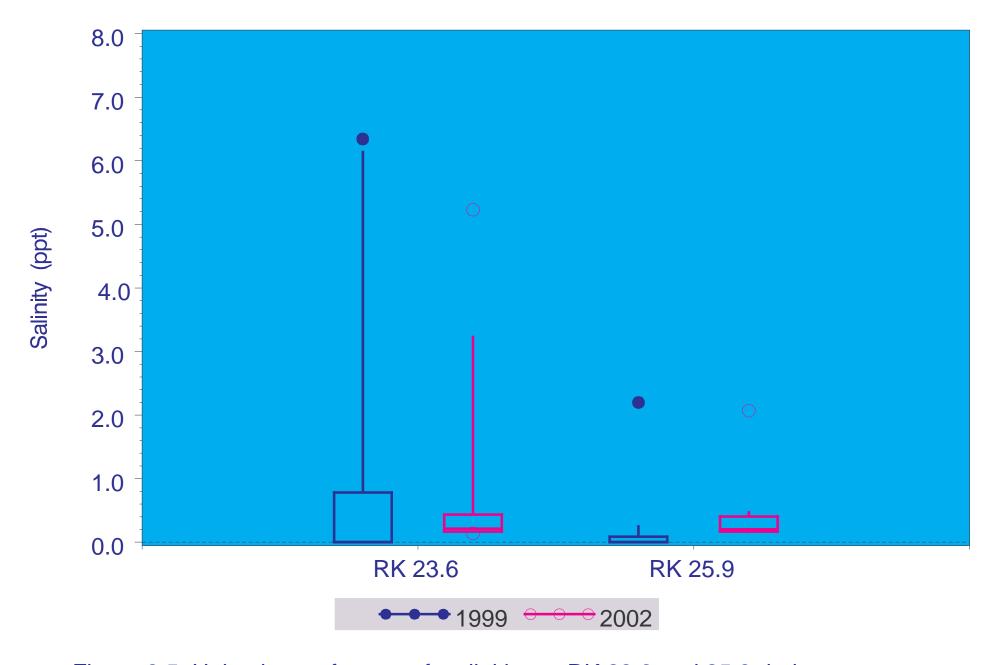
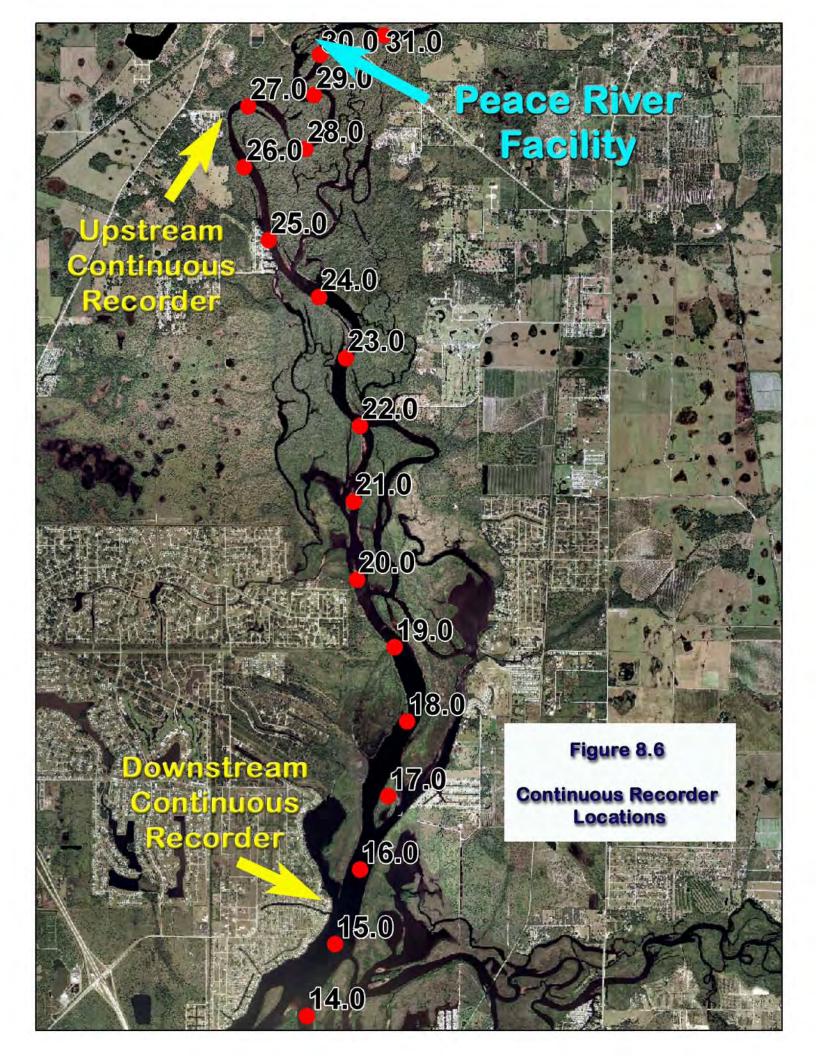


Figure 8.5 Univariates of range of salinities at RK 23.6 and 25.9 during recent years.



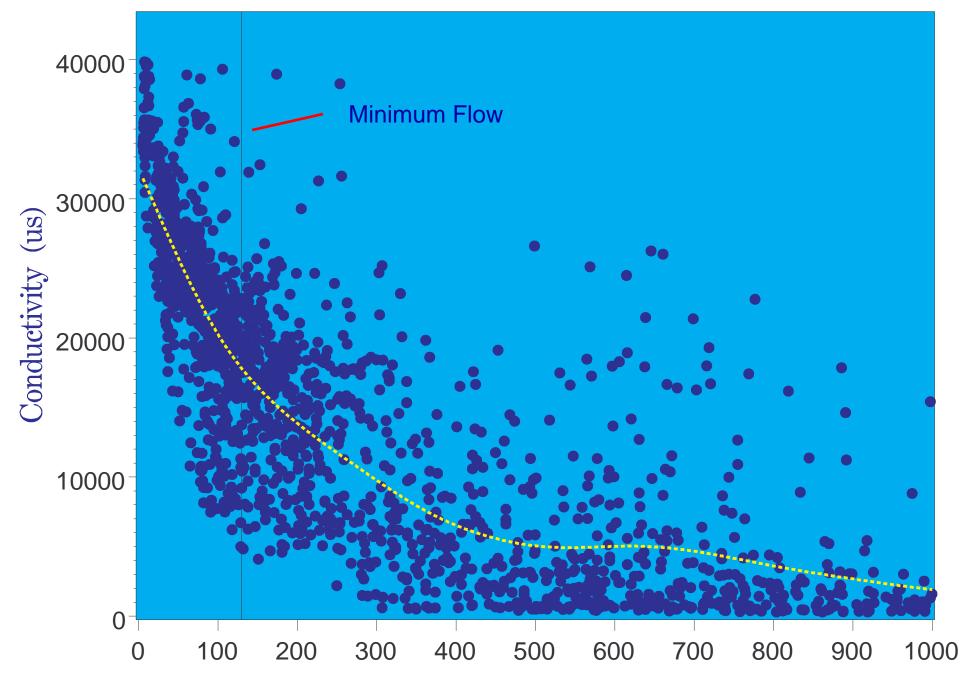


Figure 8.7 Recorder surface conductivity at river kilometer 15.5 versus flow

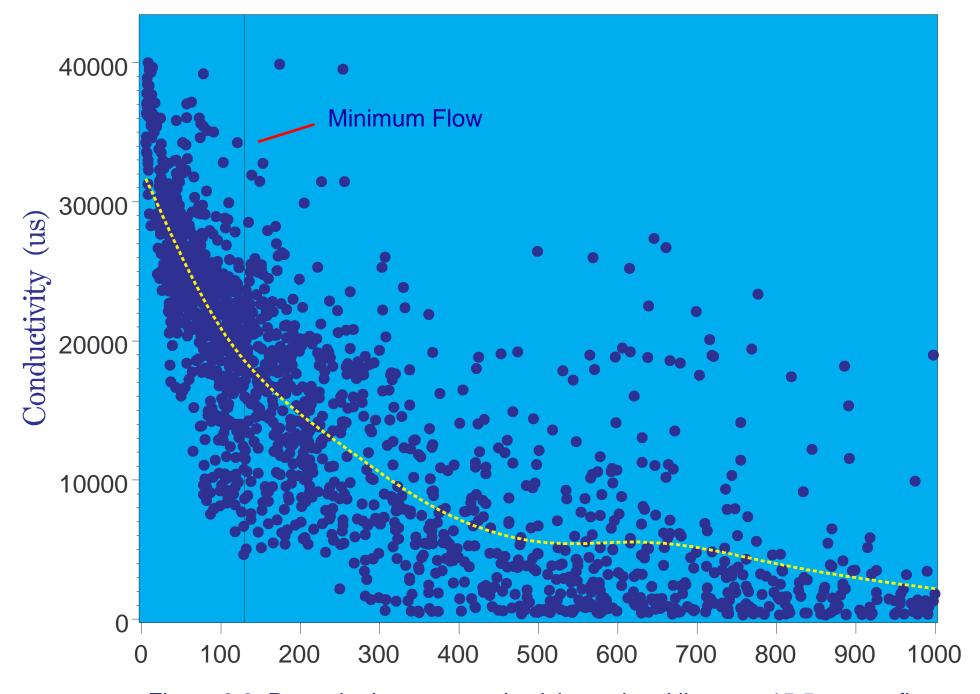


Figure 8.8 Recorder bottom conductivity at river kilometer 15.5 versus flow

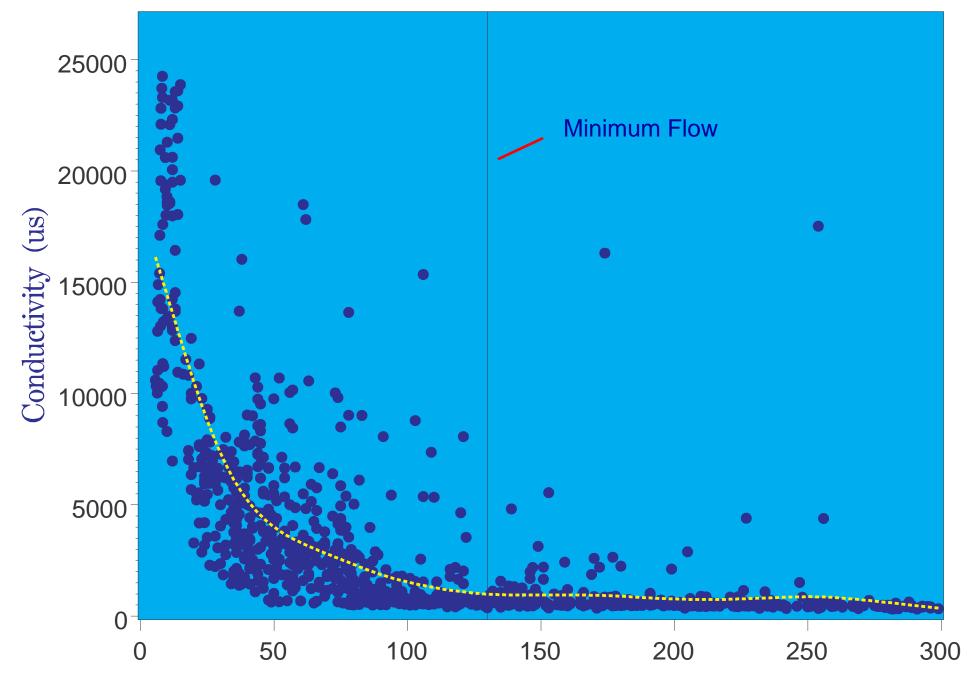


Figure 8.9 Recorder surface conductivity at river kilometer 26.7 versus flow

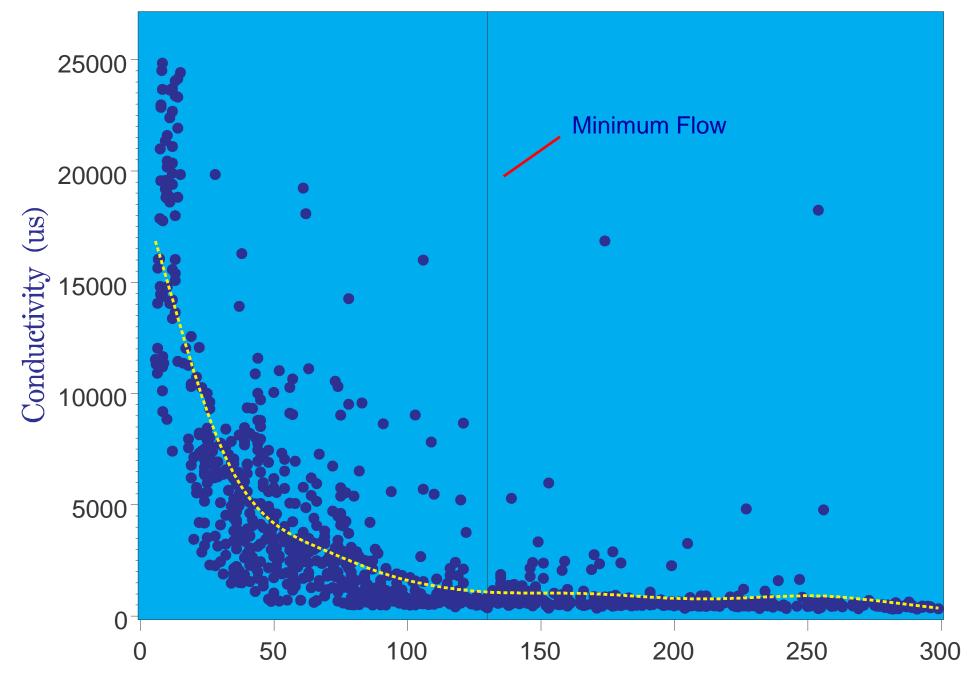
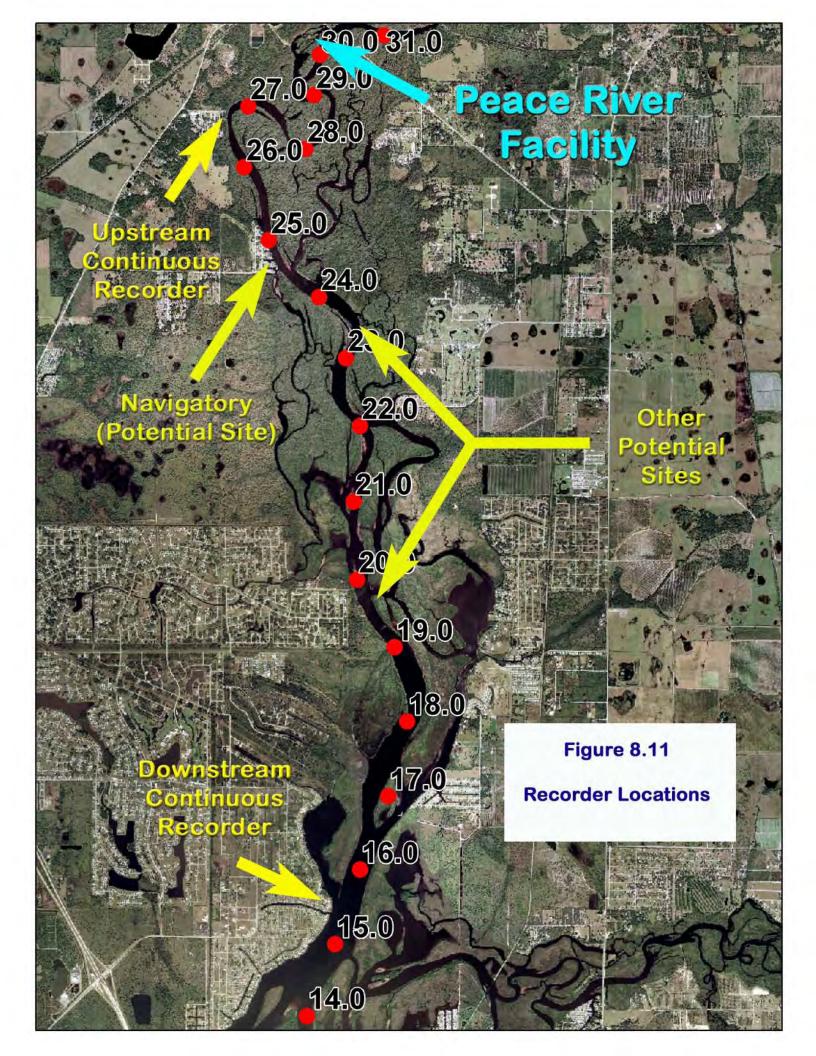
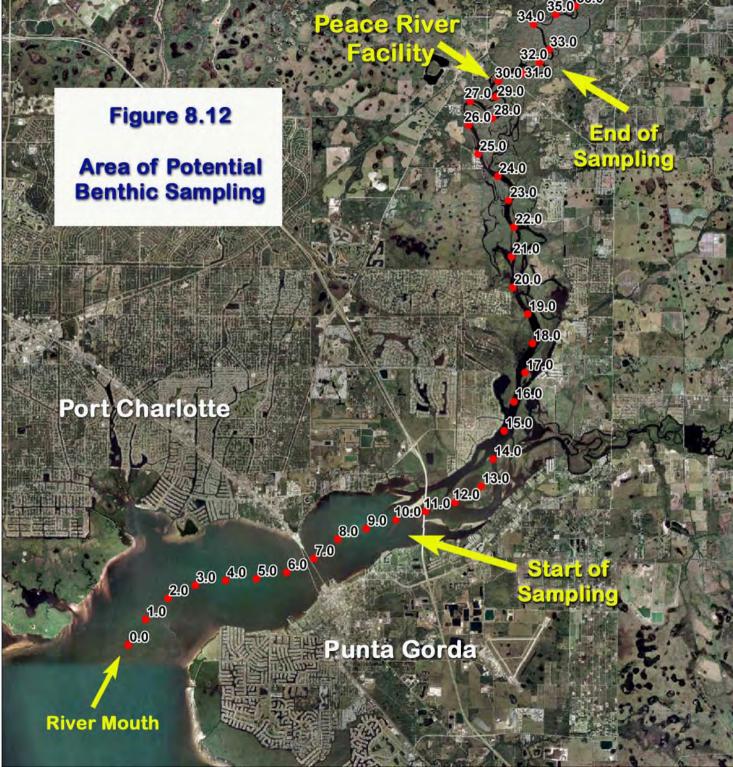
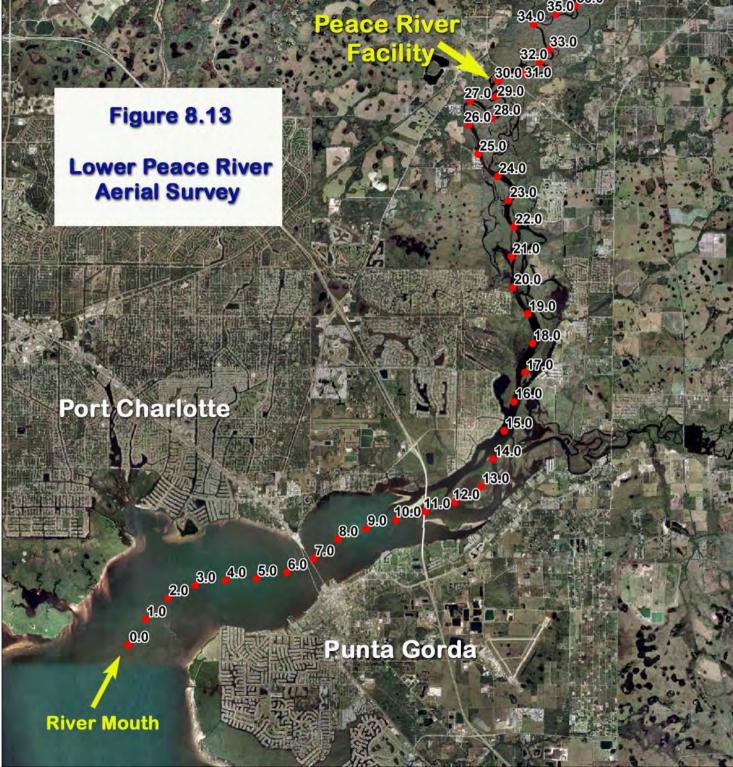


Figure 8.10 Recorder bottom conductivity at river kilometer 26.7 versus flow







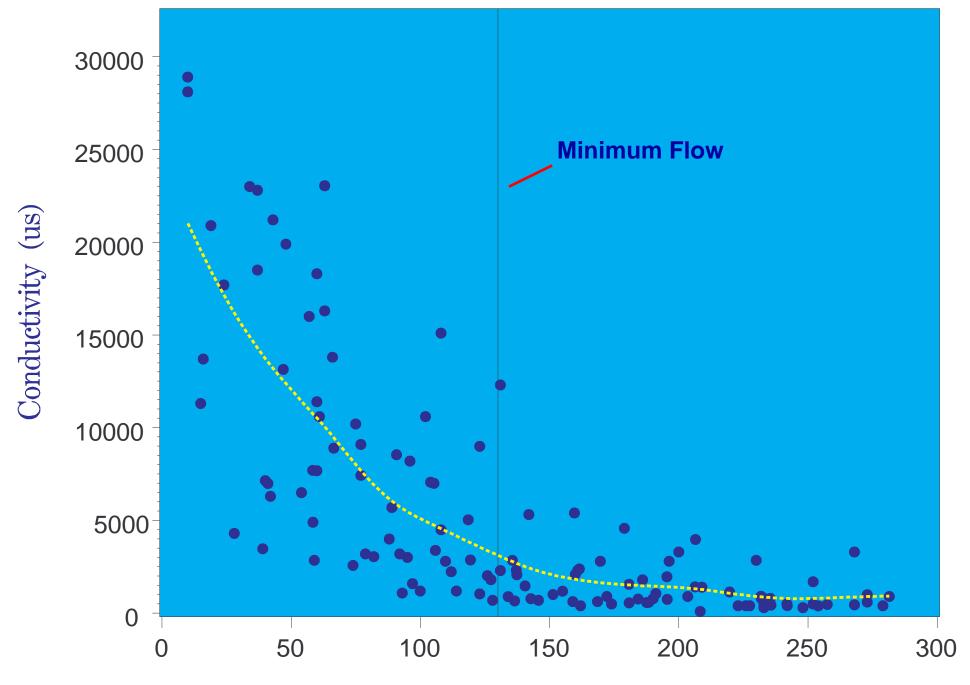


Figure 9.1 Surface conductivity at river kilometer 23.6 versus flow

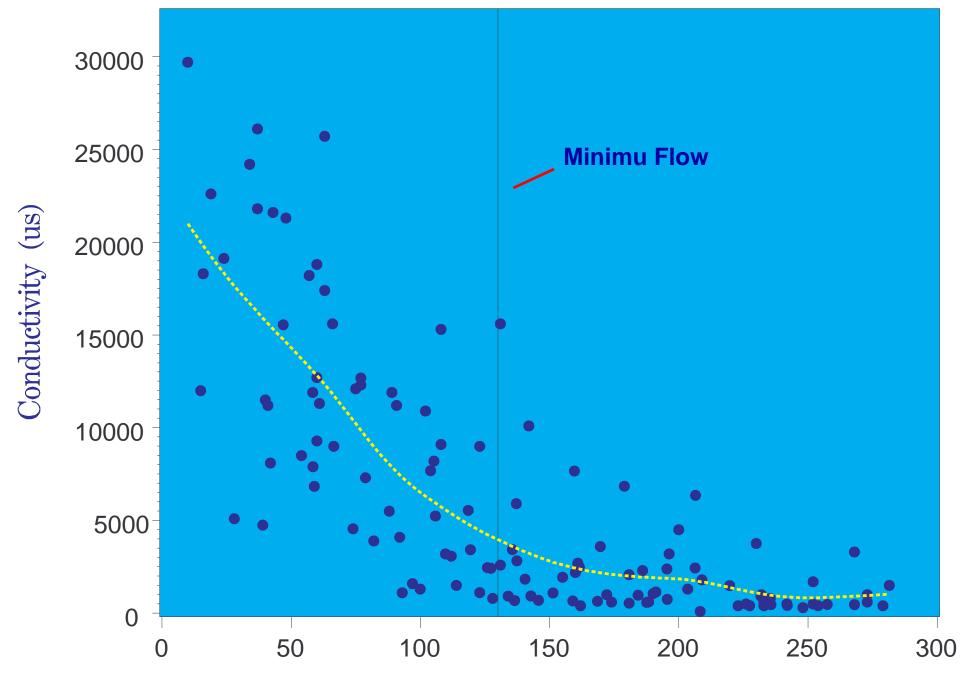


Figure 9.2 Bottom conductivity at river kilometer 23.6 versus flow

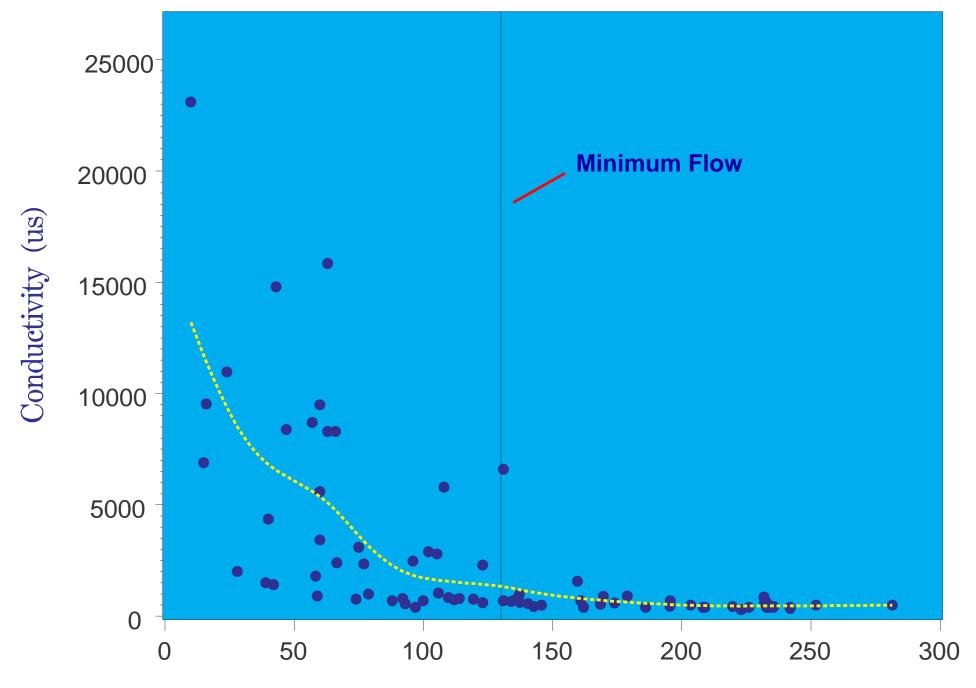


Figure 9.3 Surface conductivity at river kilometer 25.9 versus flow

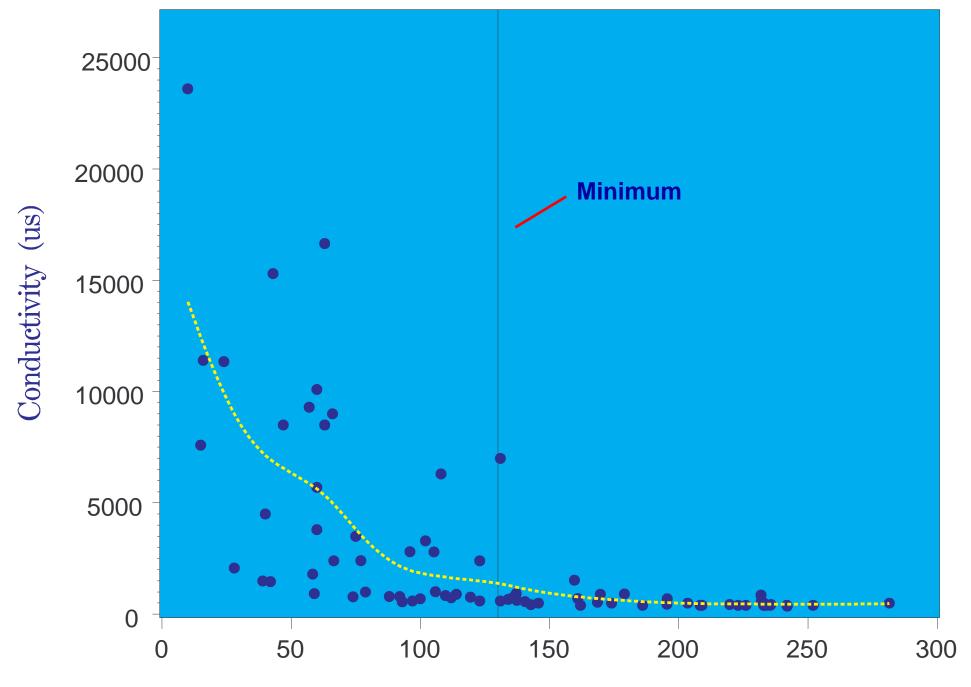


Figure 9.4 Bottom conductivity at river kilometer 25.9 versus flow

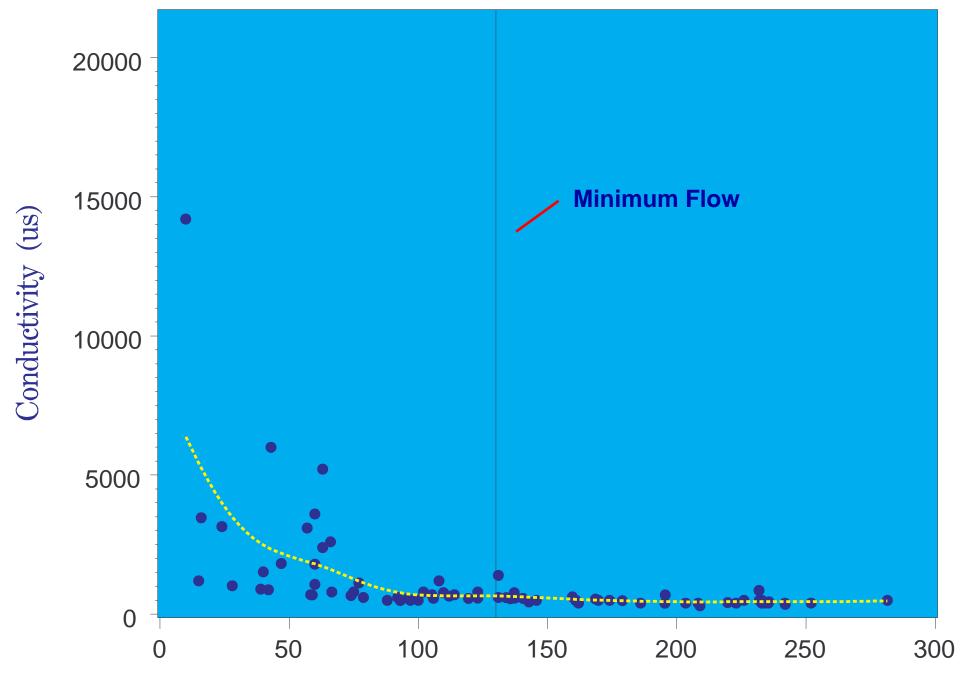


Figure 9.5 Surface conductivity at river kilometer 29.5 versus flow

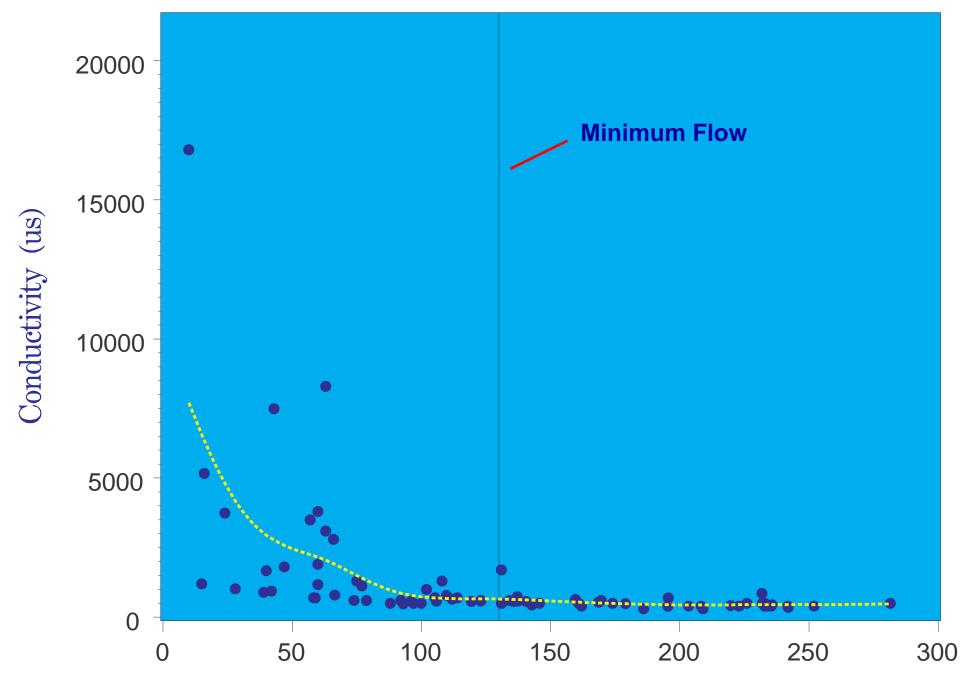


Figure 9.6 Bottom conductivity at river kilometer 29.5 versus flow

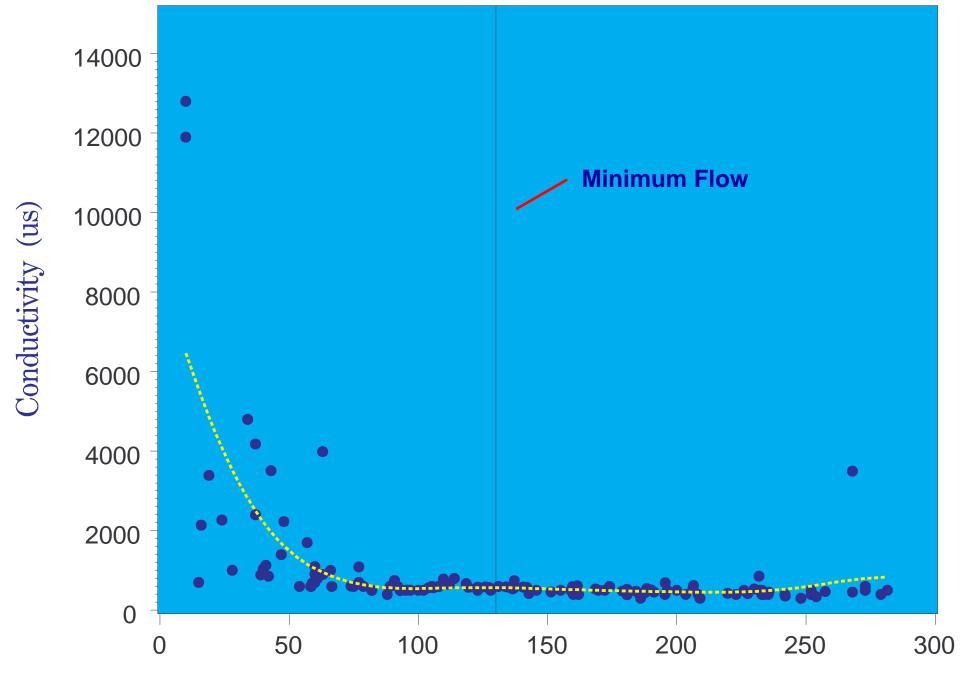


Figure 9.7 Surface conductivity at river kilometer 30.4 versus flow

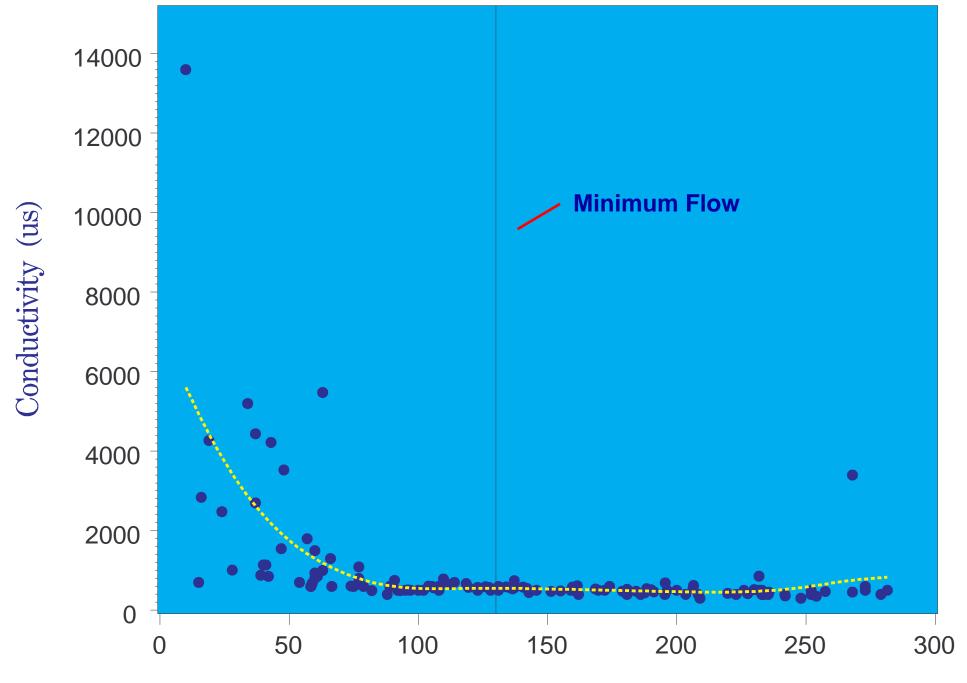


Figure 9.8 Bottom conductivity at river kilometer 30.4 versus flow

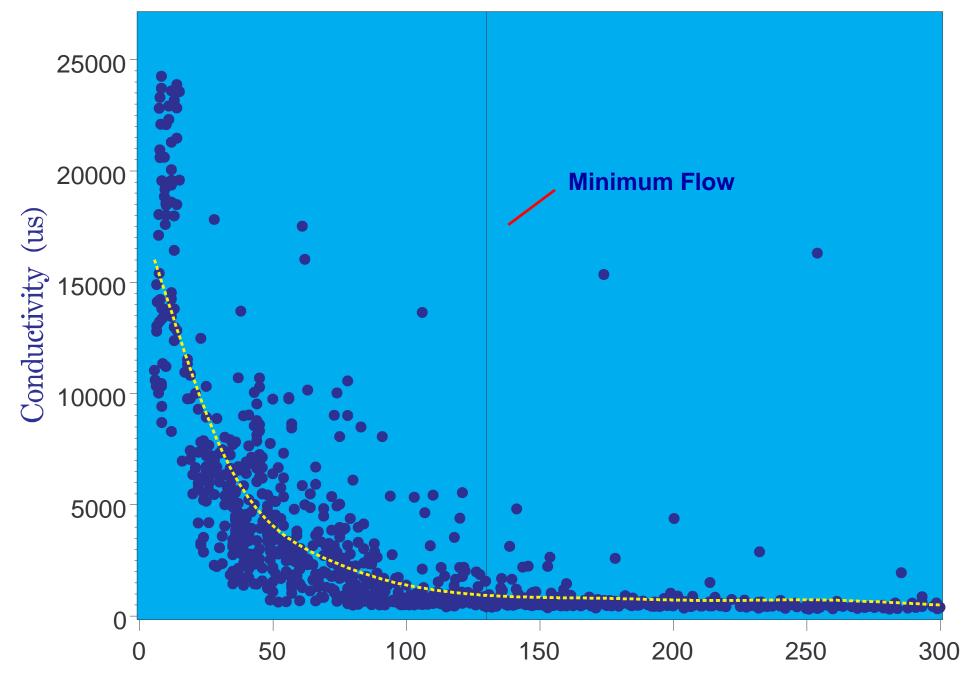


Figure 9.9 Recorder surface conductivity at river kilometer 26.7 versus flow

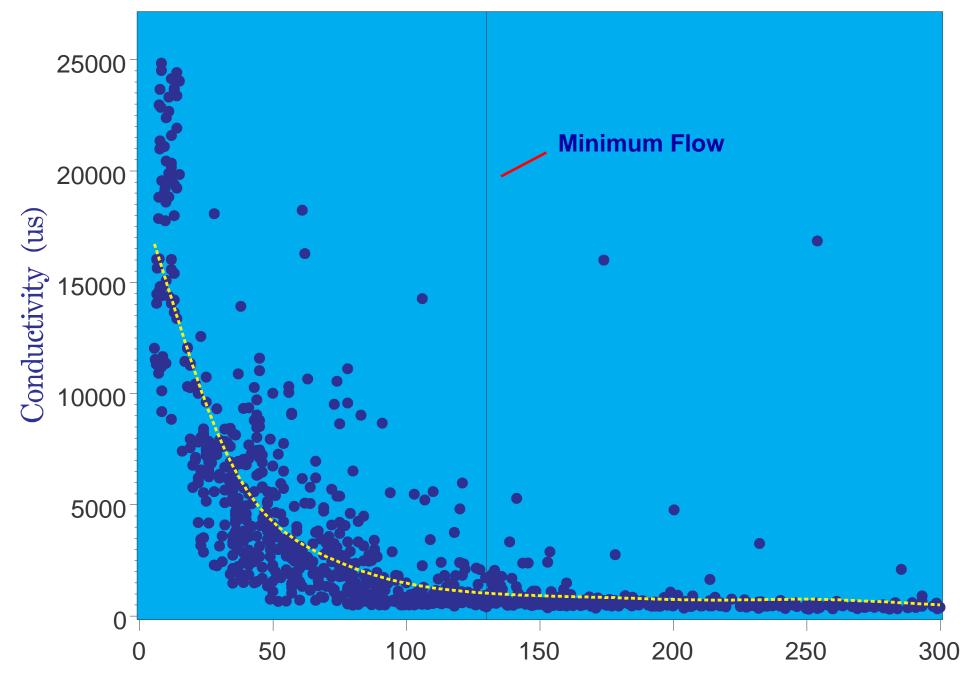


Figure 9.10 Recorder bottom conductivity at river kilometer 26.7 versus flow

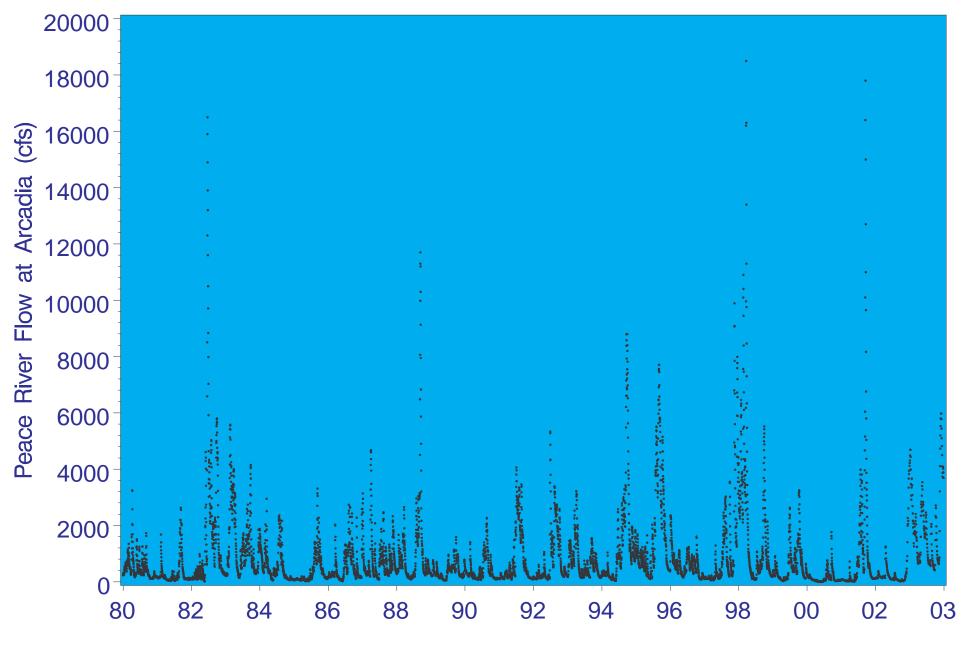
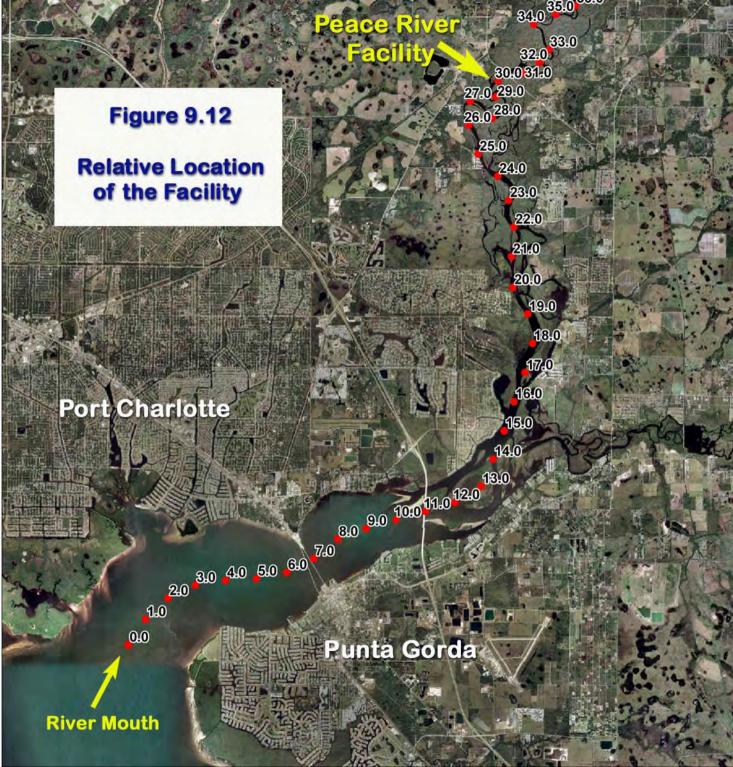
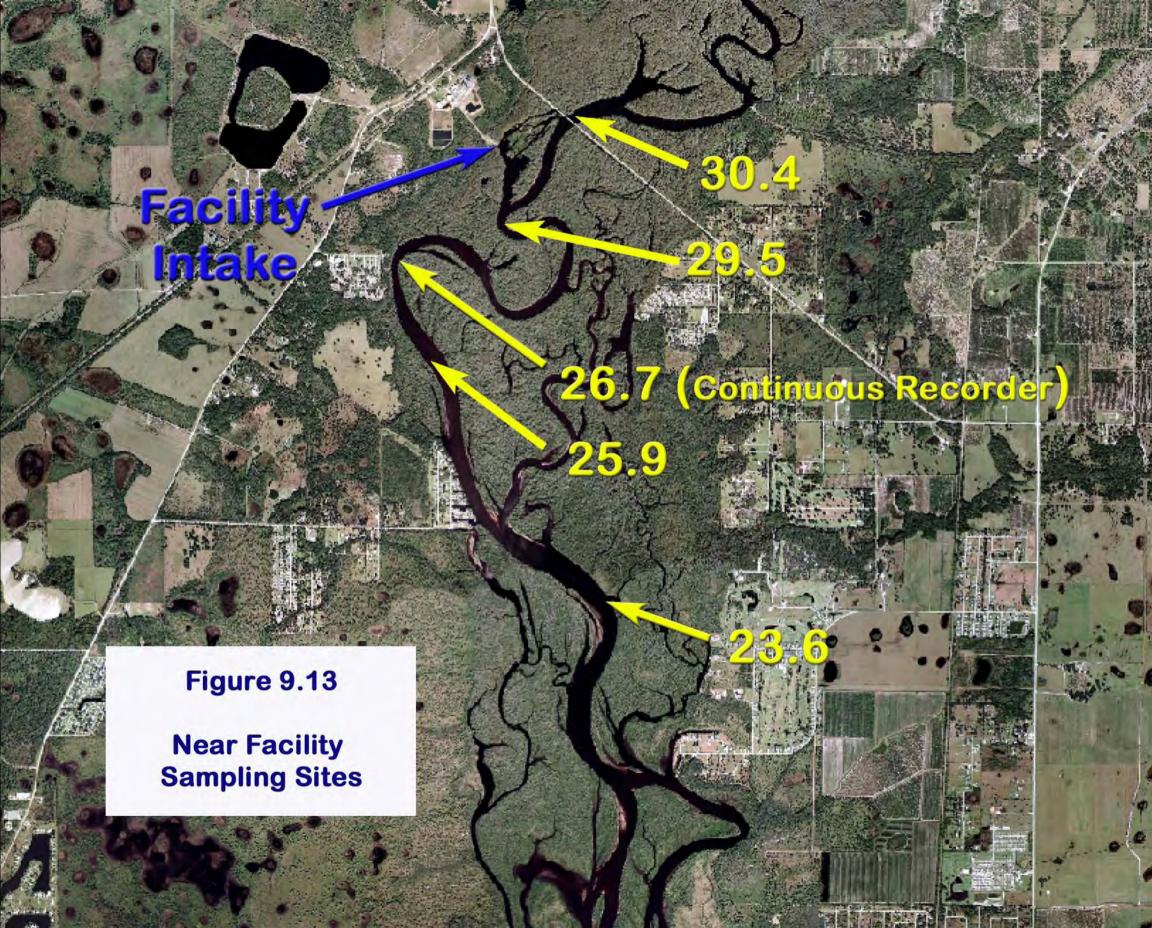


Figure 9.11 Daily Peace River flow at Arcadia (1980-2002)





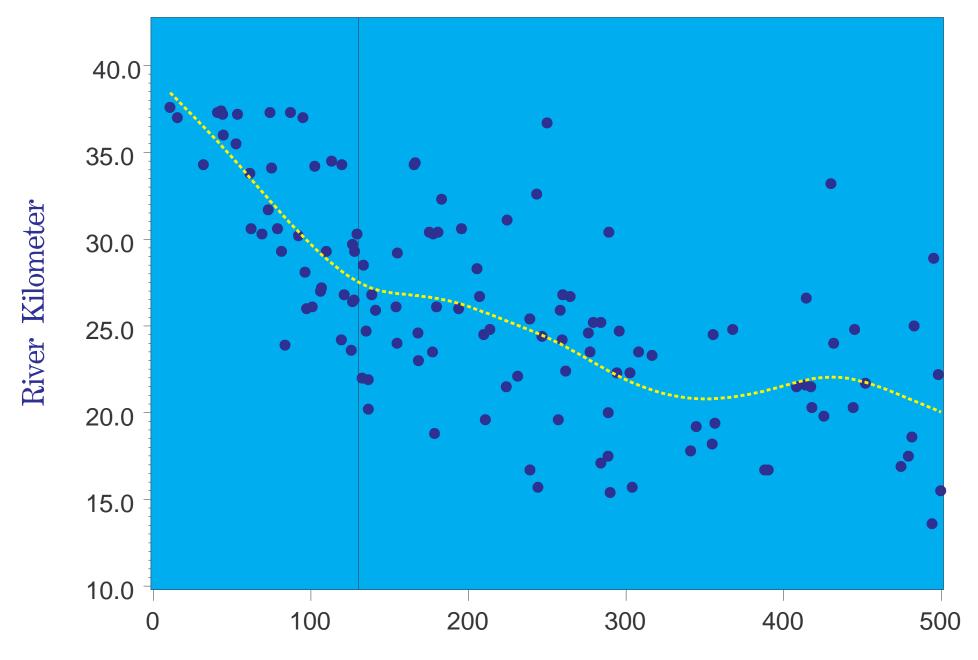


Figure 9.14 River kilometer location of 0 ppt isohaline versus 30-day average Arcadia flow

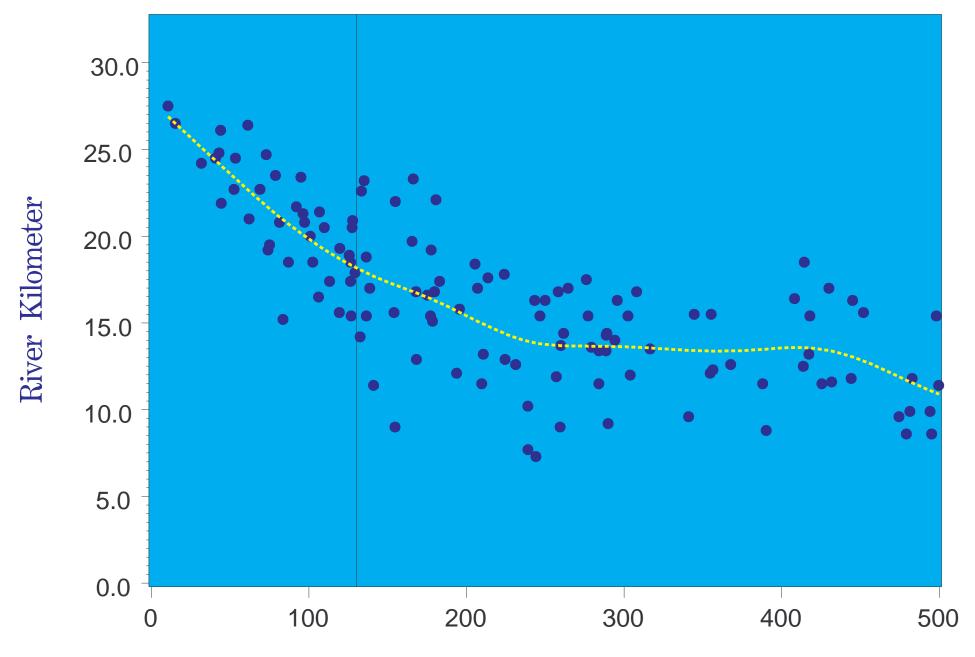


Figure 9.15 River kilometer location of 6 ppt isohaline versus 30-day average Arcadia flow

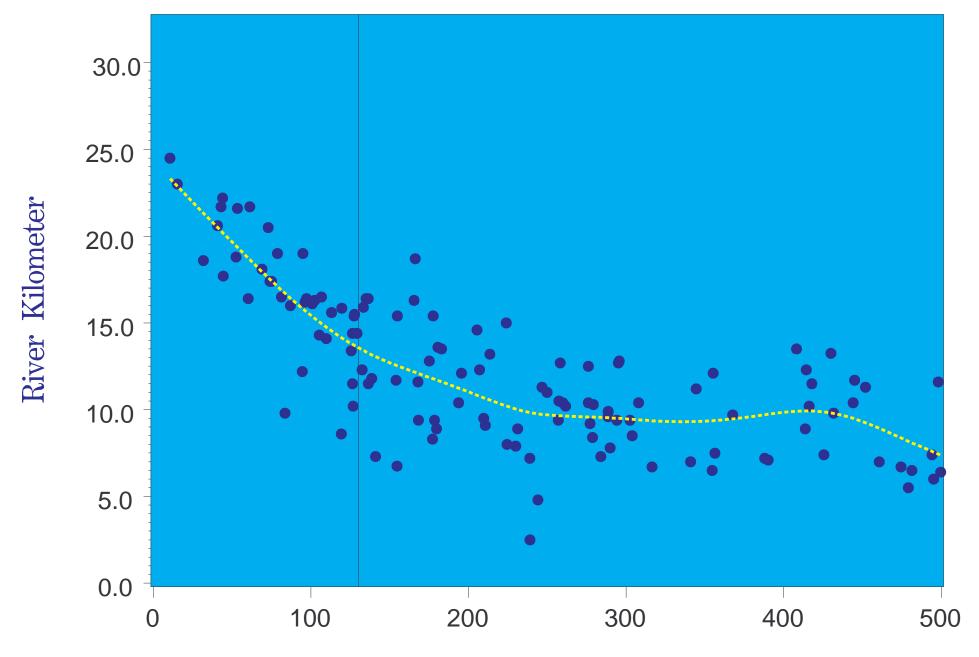


Figure 9.16 River kilometer location of 12 ppt isohaline versus 30-day average Arcadia flow

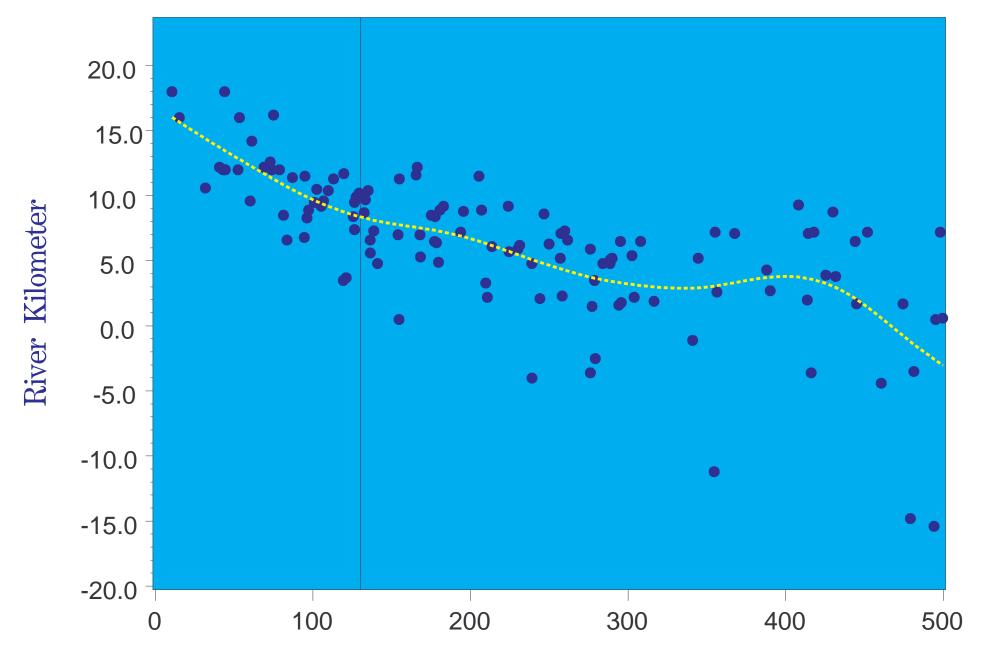


Figure 9.17 River kilometer location of 20 ppt isohaline versus 30-day average Arcadia flow