Figure 2
Diurnal Dissolved Oxygen Adjustment Used in Model

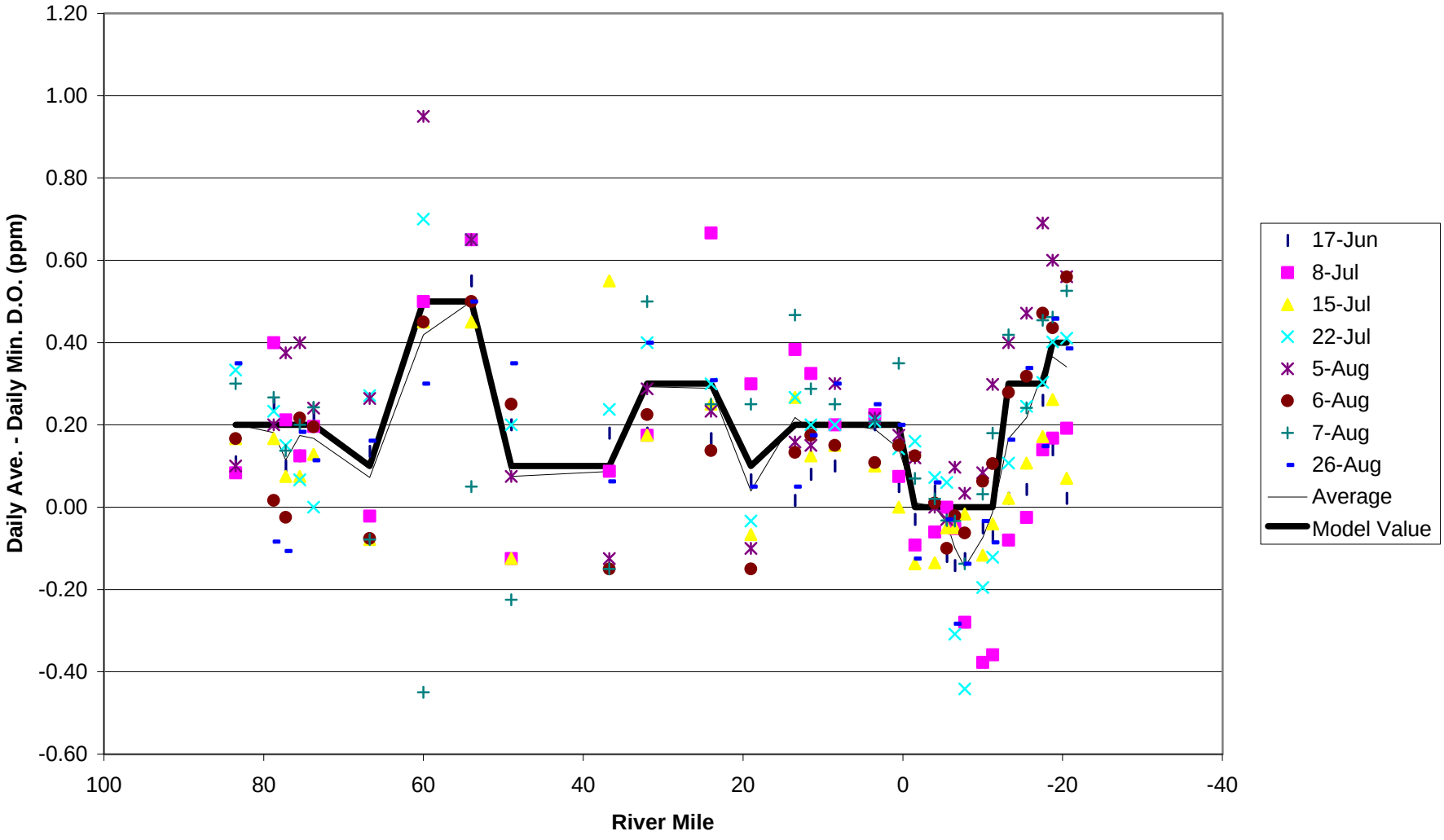
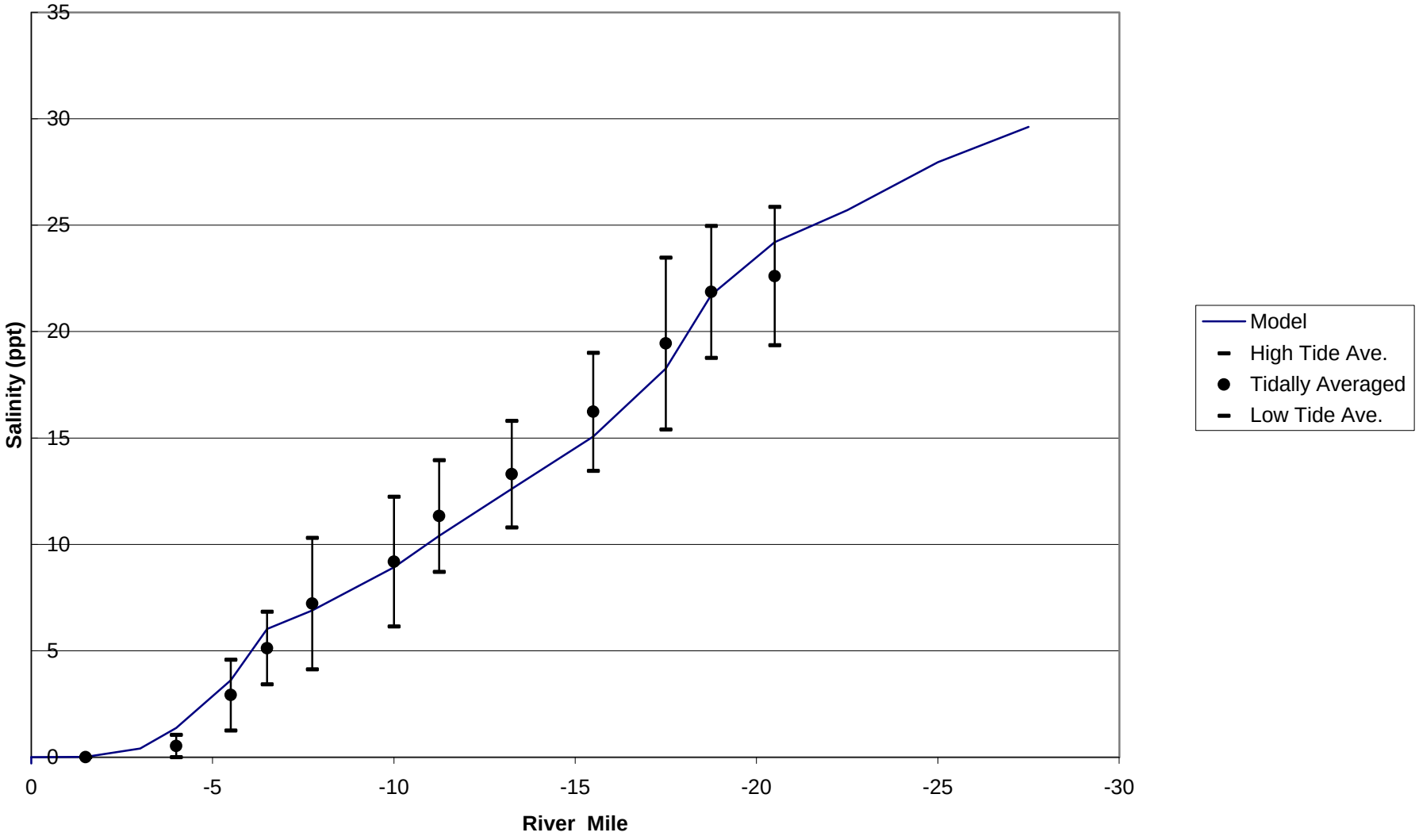


Figure 3a
Dispersion Calibration Penobscot Estuary



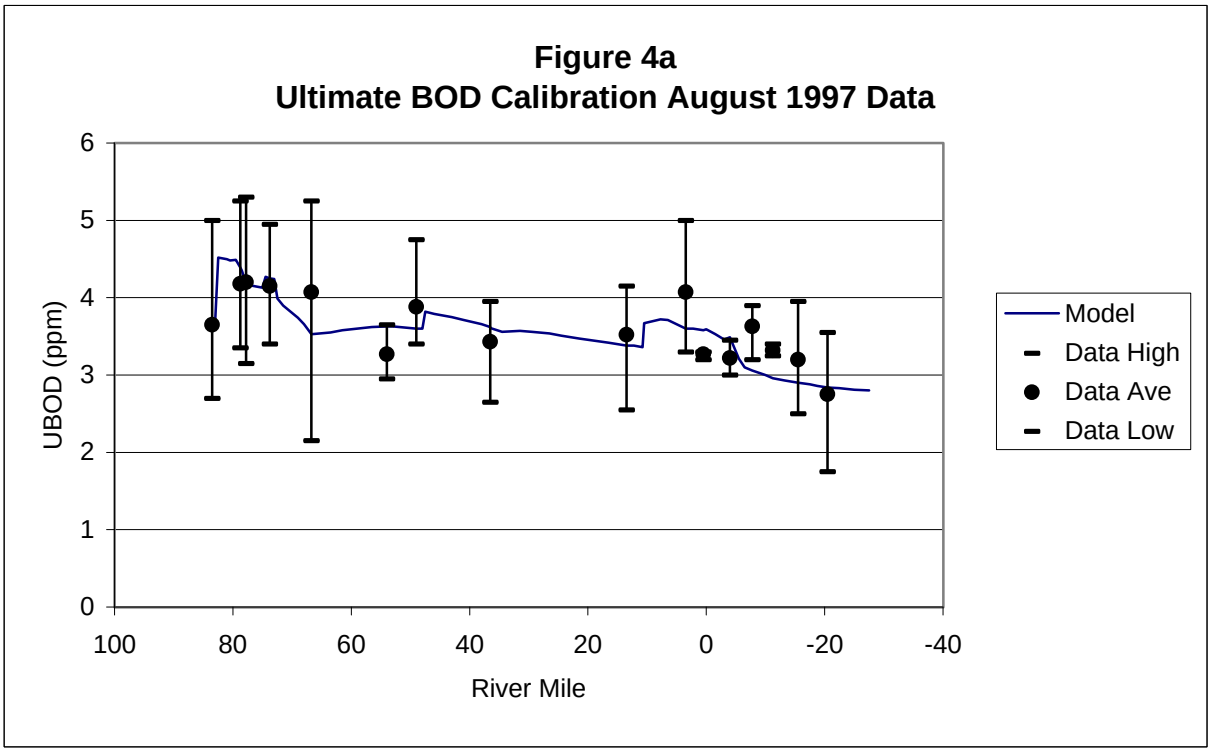


Figure 4a
Ultimate BOD Calibration August 1997 Data
UBOD (ppm)
River Mile
Model
Data High
Data Ave
Data Low

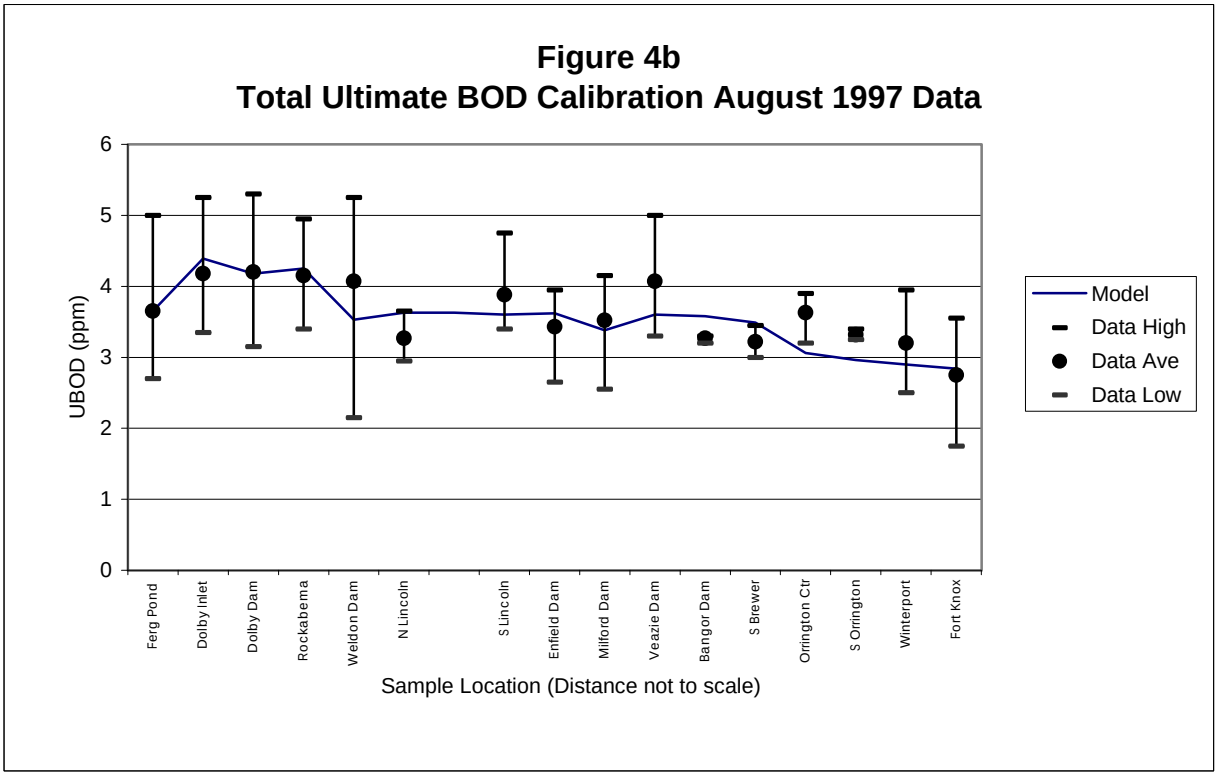


Figure 4b
Total Ultimate BOD Calibration August 1997 Data
UBOD (ppm)
Ferg Pond
Dolby Inlet
Dolby Dam
Rockabema
Weldon Dam
N Lincoln
S Lincoln
Enfield Dam
Milford Dam
Veazie Dam
Bangor Dam
S Brewer
Orrington Ctr
S Orrington
Winterport
Fort Knox
Sample Location (Distance not to scale)
Model
Data High
Data Ave
Data Low

Figure 5a
Chlorophyll A Calibration August 1997 Data

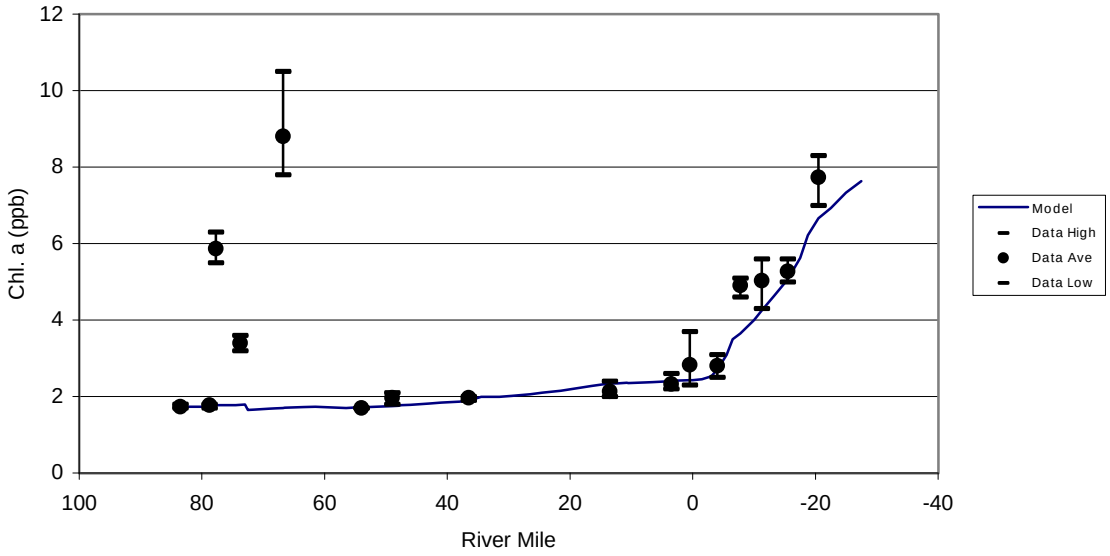


Figure 5b
Chlorophyll A Calibration August 1997 Data

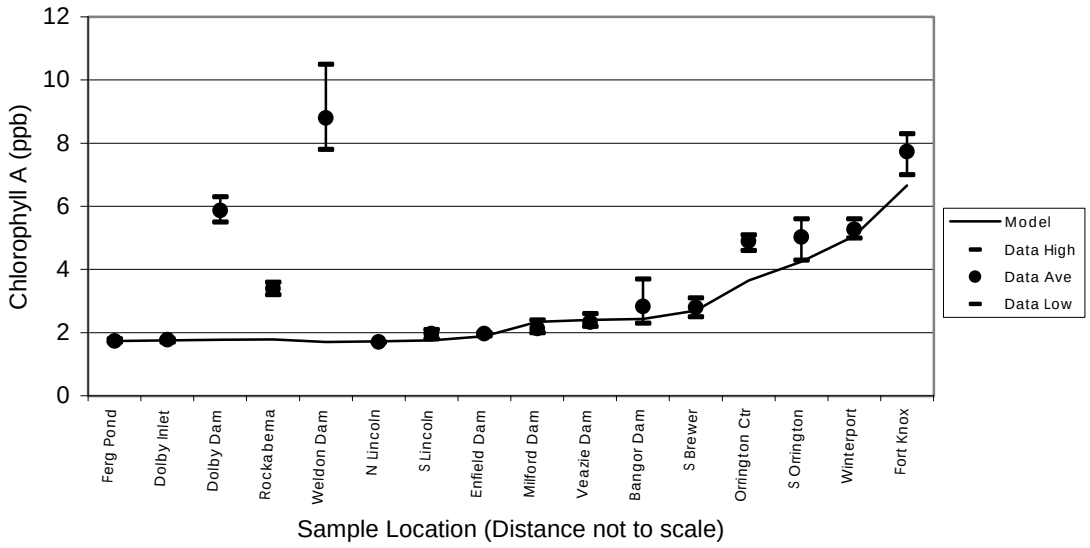


Figure 6a
Dissolved Oxygen Calibration August 1997 Data

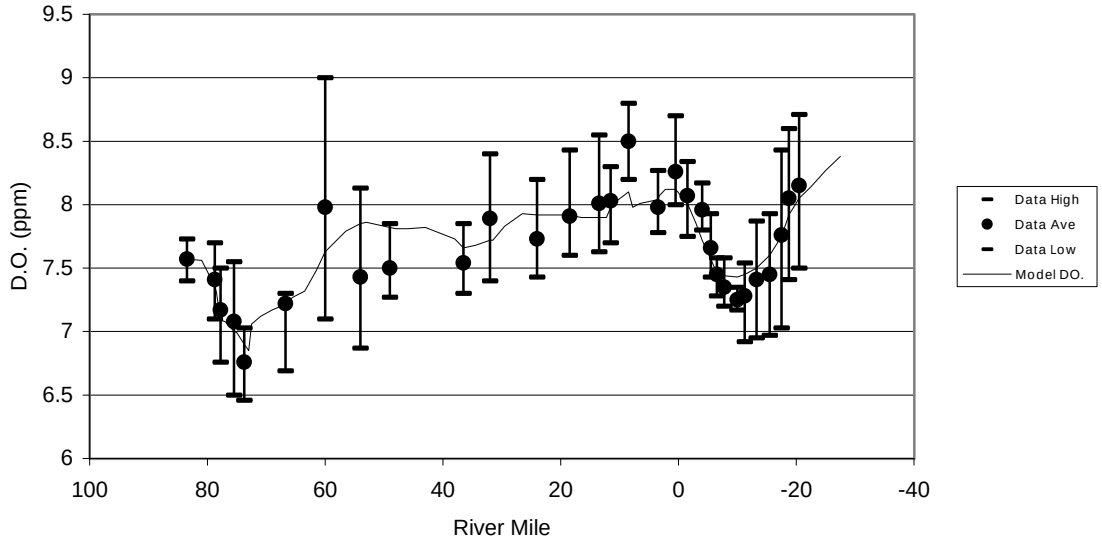


Figure 6b
Dissolved Oxygen Calibration August 1997 Data

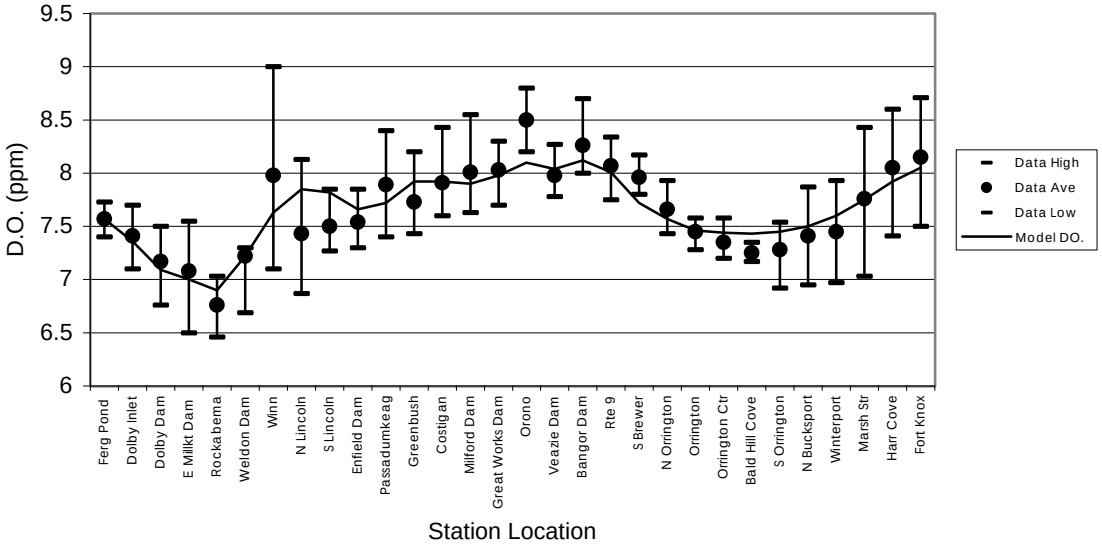
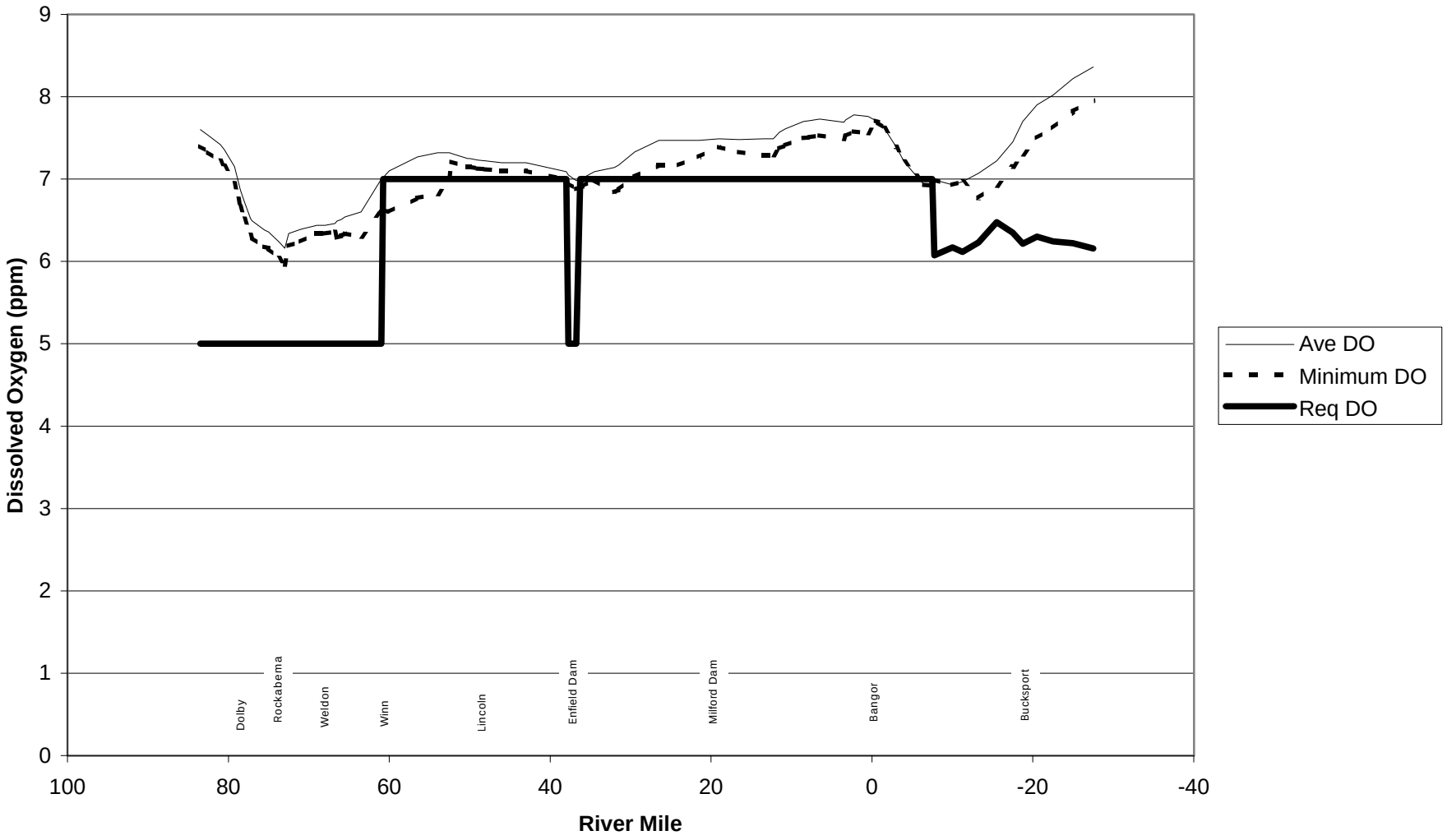


Figure 7
Penobscot River Model Projection at 7Q10 Flow



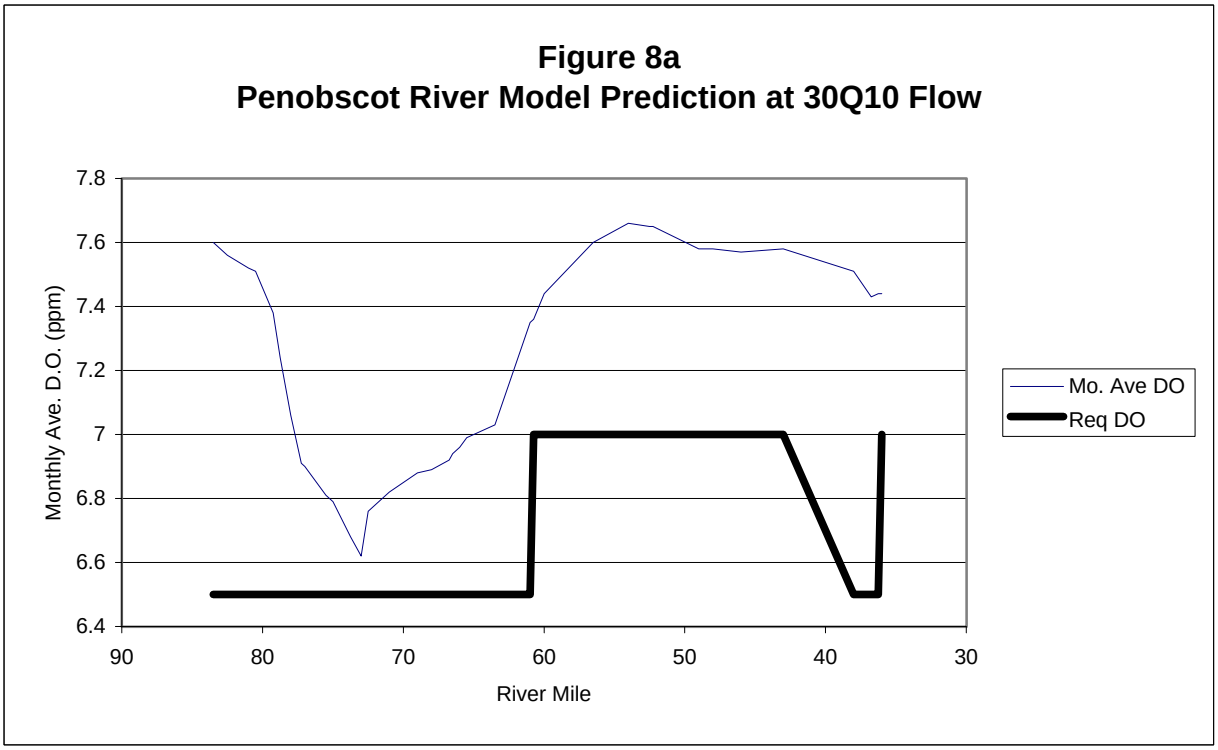


Figure 8a
Penobscot River Model Prediction at 30Q10 Flow
Monthly Ave. D.O. (ppm)
7.8
7.6
7.4
7.2
7
6.8
6.6
6.4
90
80
70
60
50
40
30
River Mile
Mo. Ave DO
Req DO

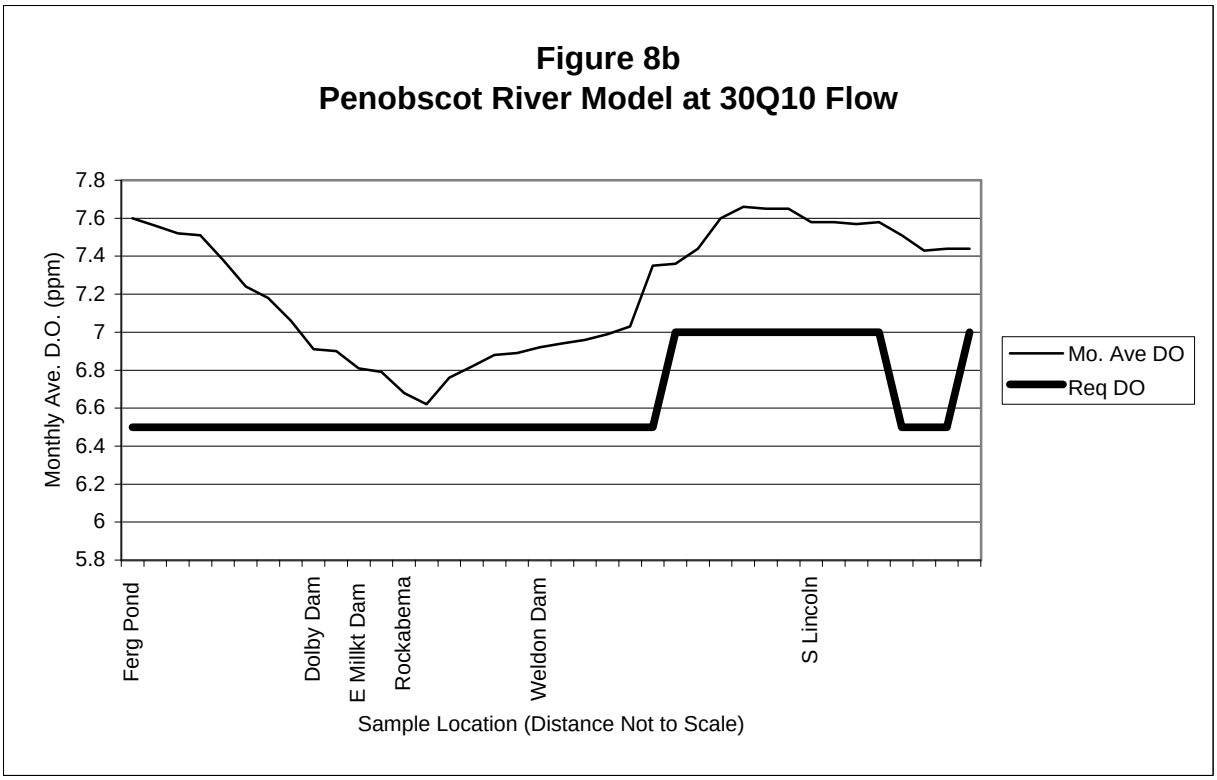


Figure 8b
Penobscot River Model at 30Q10 Flow
Monthly Ave. D.O. (ppm)
7.8
7.6
7.4
7.2
7
6.8
6.6
6.4
6.2
6
5.8
Ferg Pond
Dolby Dam
E Millkt Dam
Rockabema
Weldon Dam
S Lincoln
Sample Location (Distance Not to Scale)
Mo. Ave DO
Req DO

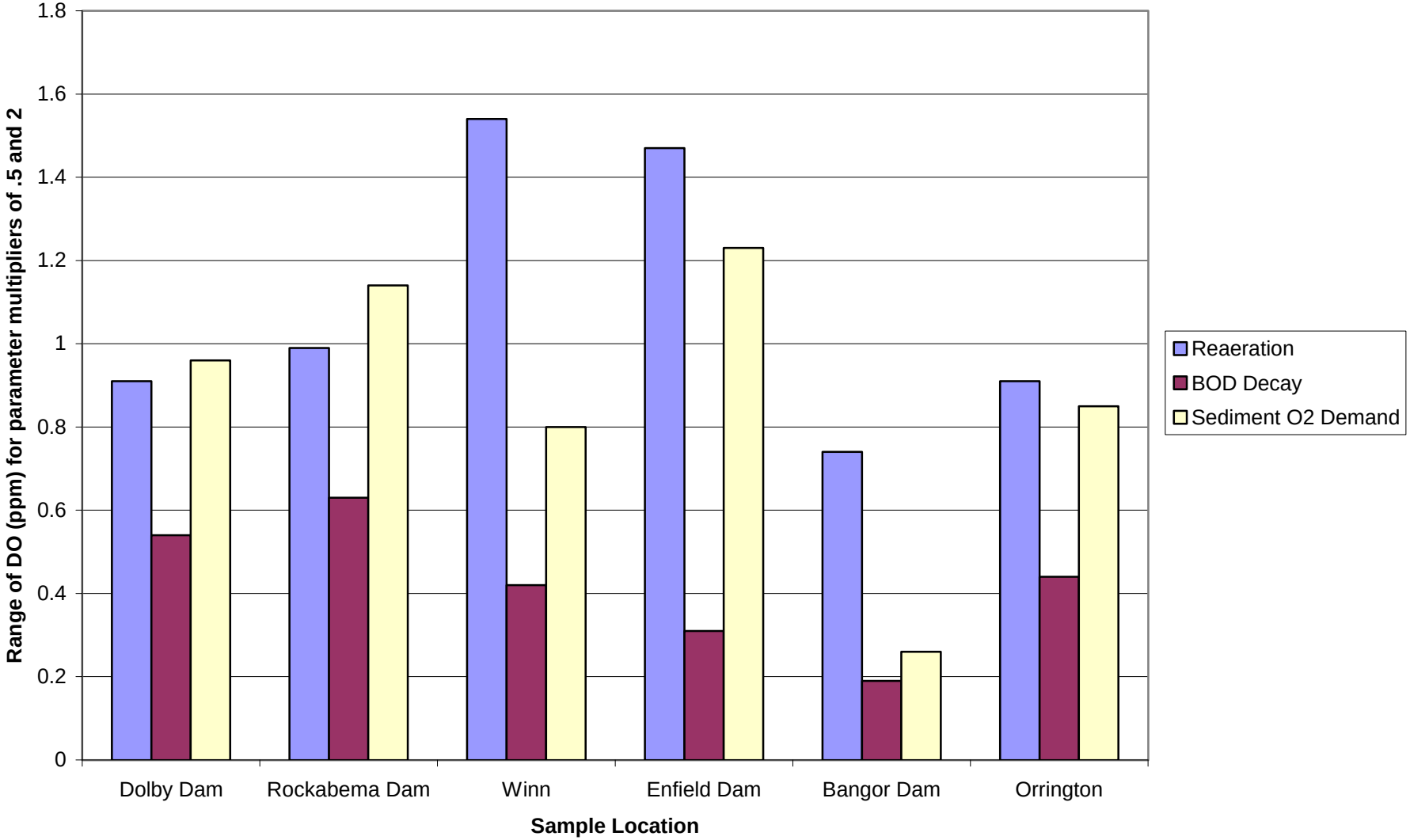



Figure 9
Summary of Sensitivity Analysis