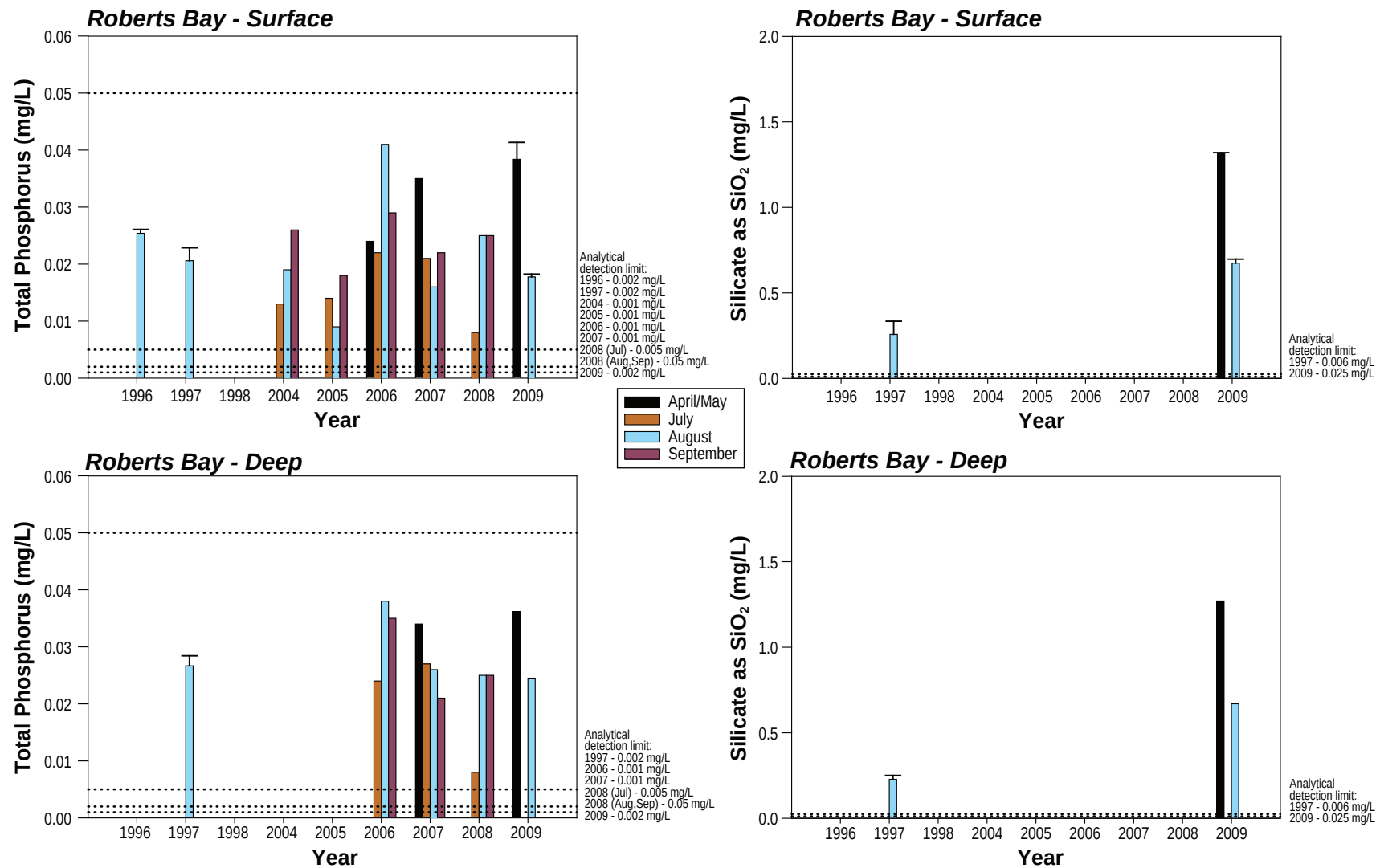


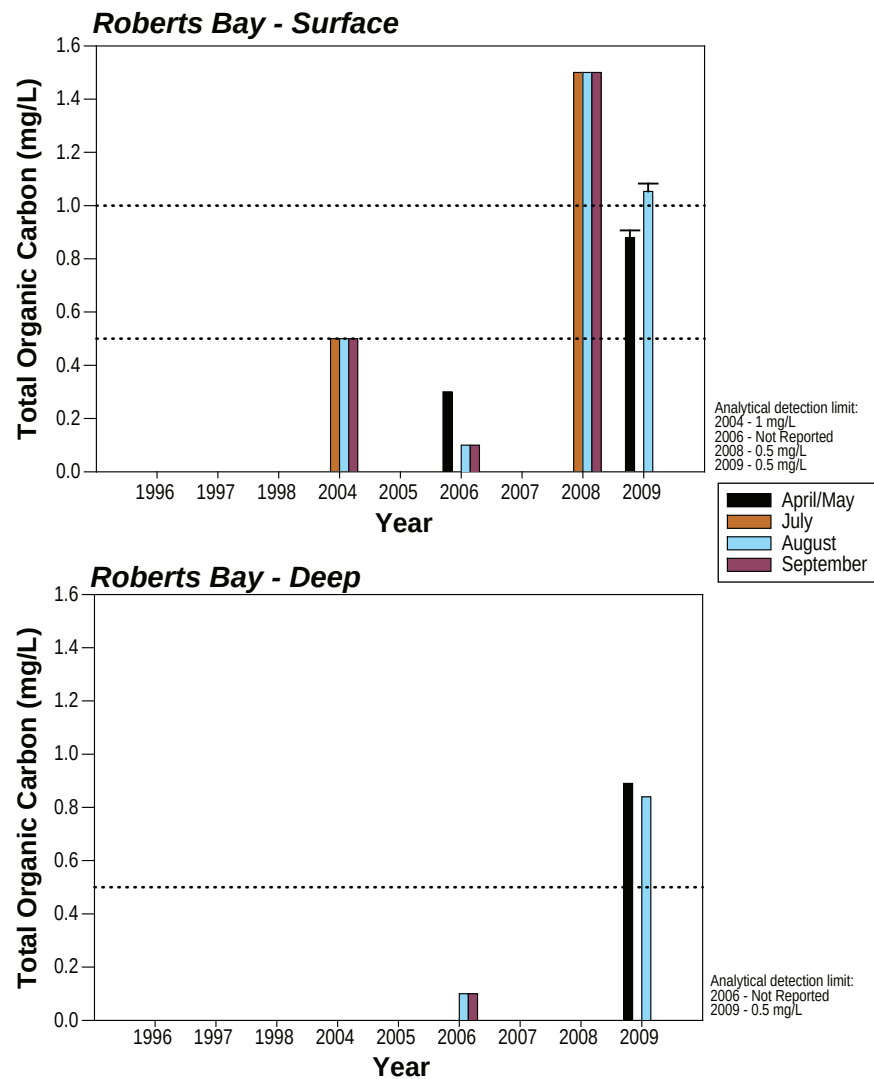


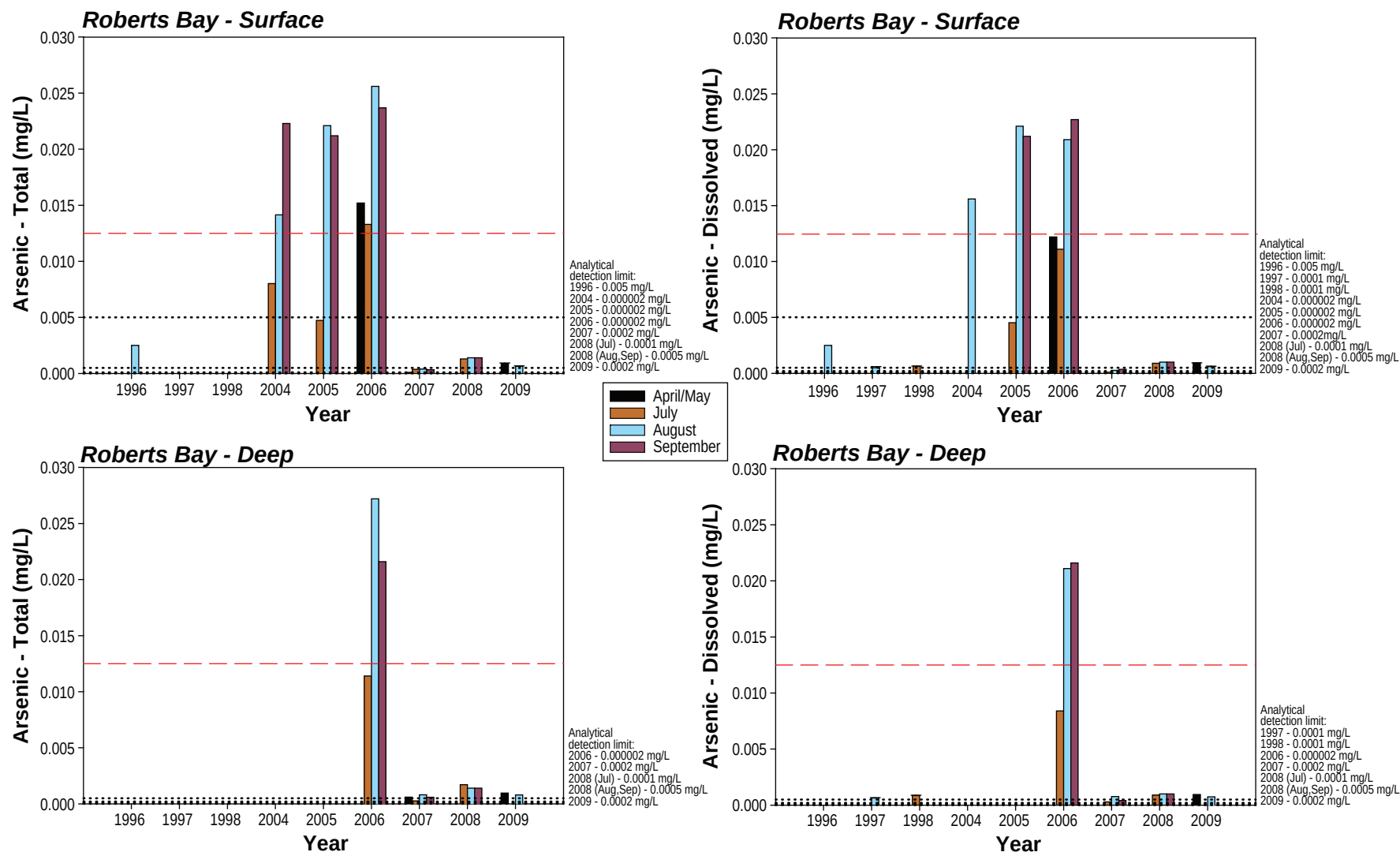
Notes: Error bars are standard error of the mean of multiple sampling sites.

Dotted lines represent analytical detection limits.

Only a subset of sites sampled in 2009 (WT0, WT1, WT2, ST0, ST1, ST2, and ST3) are plotted here; these sites were selected because they are comparable to historical sampling locations.

There are no CCME water quality guidelines for total phosphorus or silicate.





Notes: Error bars are standard error of the mean of multiple sampling sites.

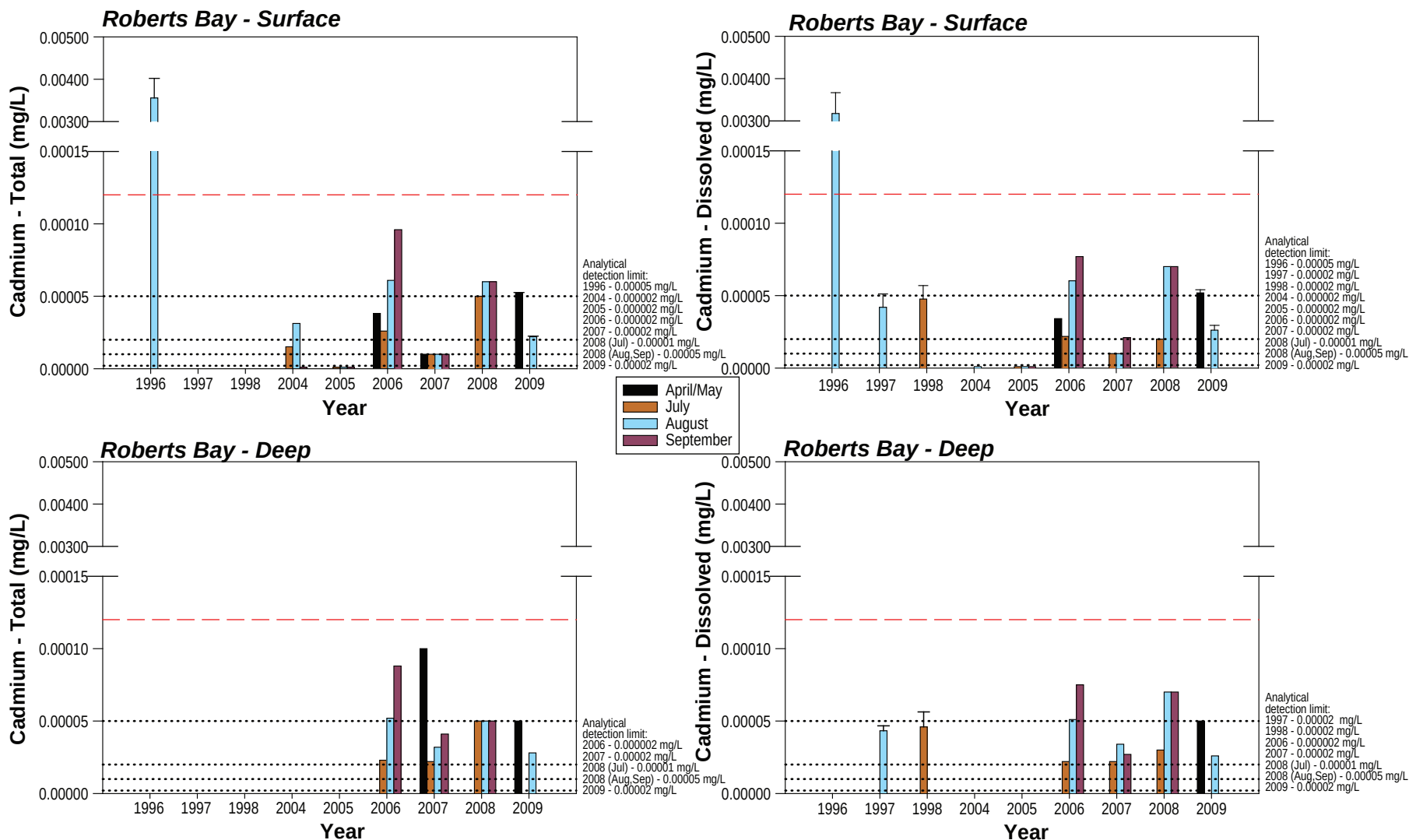
Dotted lines represent analytical detection limits.

Red dashed line represents CCME water quality guideline for arsenic (0.0125 mg/L).

Only a subset of sites sampled in 2009 (WT0, WT1, WT2, ST0, ST1, ST2, and ST3) are plotted here; these sites were selected because they are comparable to historical sampling locations.

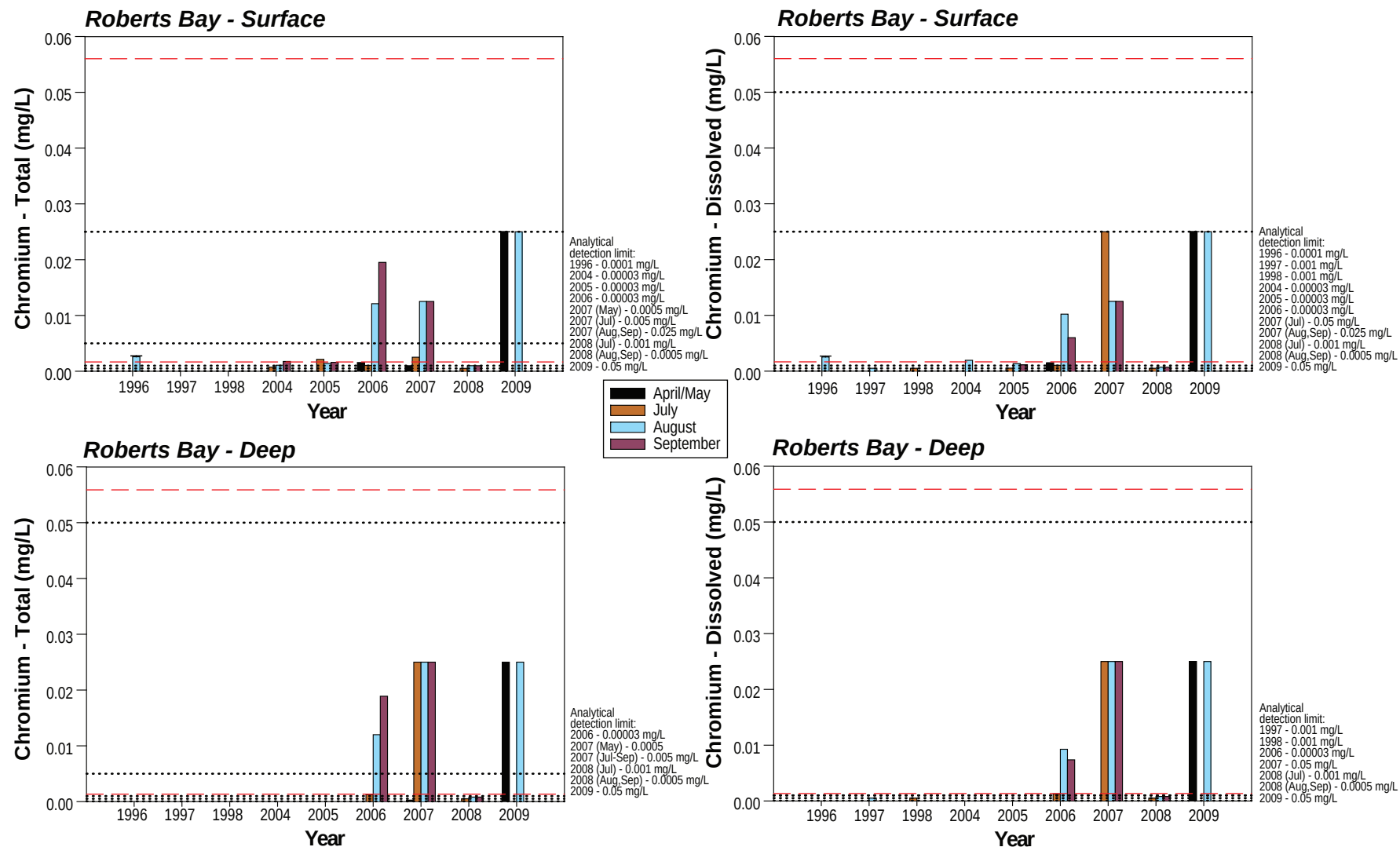
Arsenic Concentrations in Roberts Bay, Hope Bay Belt Project, 1996–2009

Figure 3.5-30



**Cadmium Concentrations in Roberts Bay,
Hope Bay Belt Project, 1996–2009**

Figure 3.5-31



Notes: Error bars are standard error of the mean of multiple sampling sites.

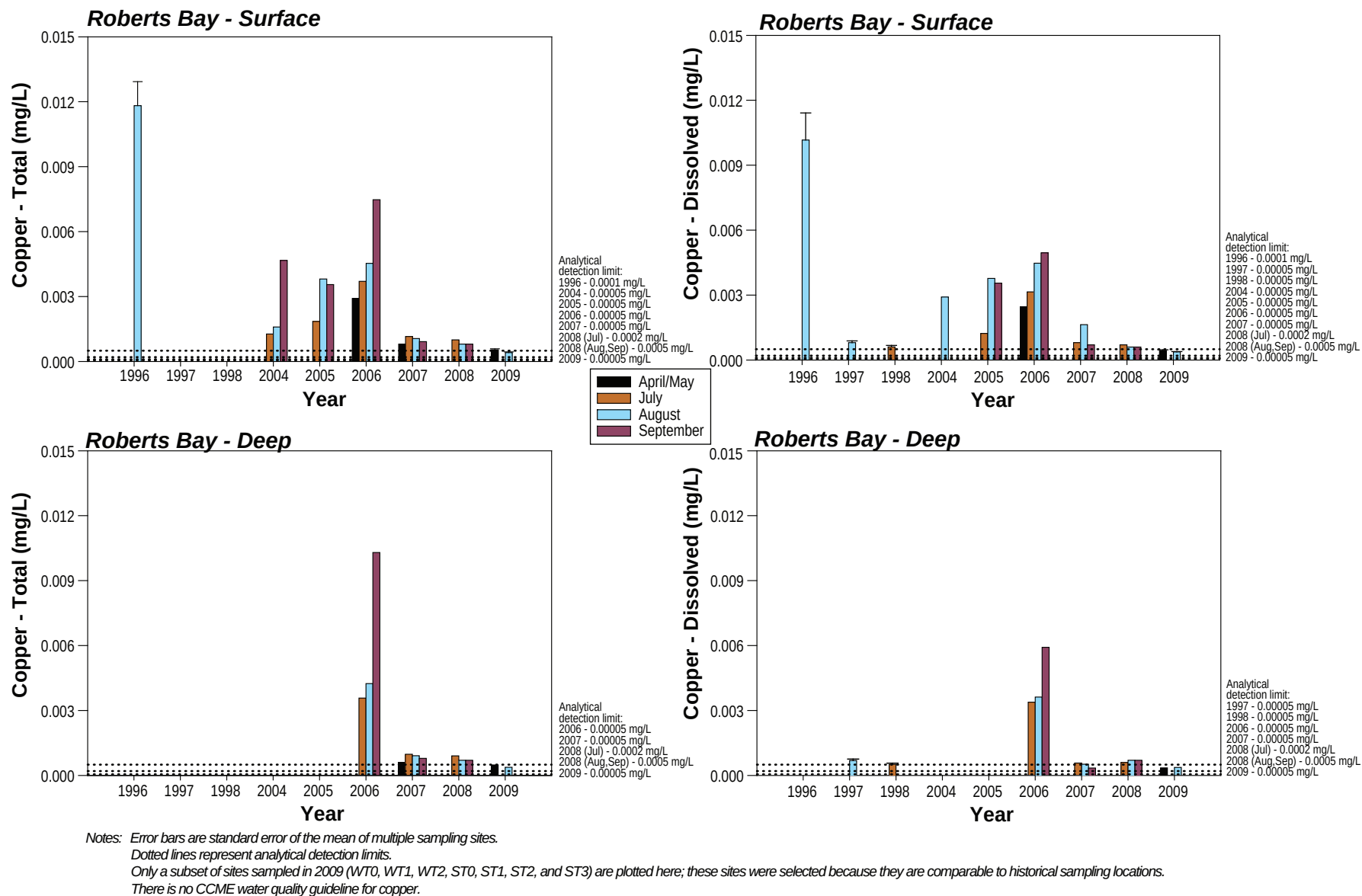
Dotted lines represent analytical detection limits.

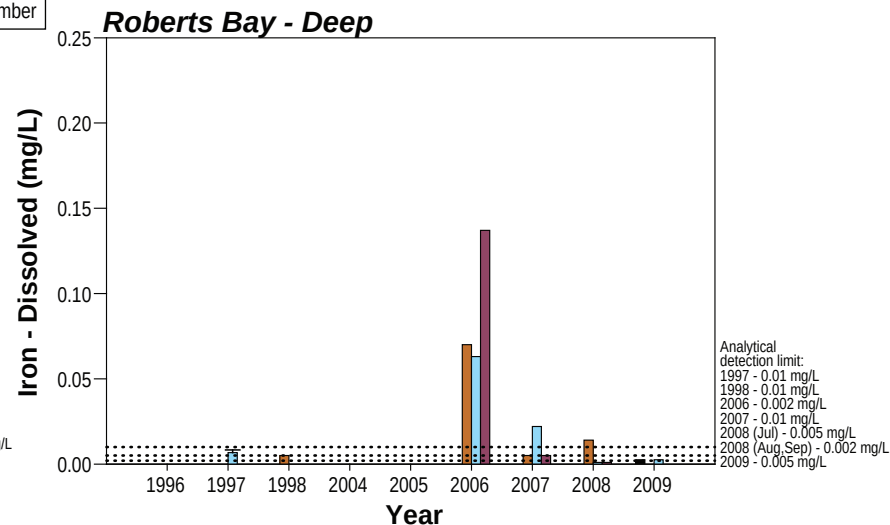
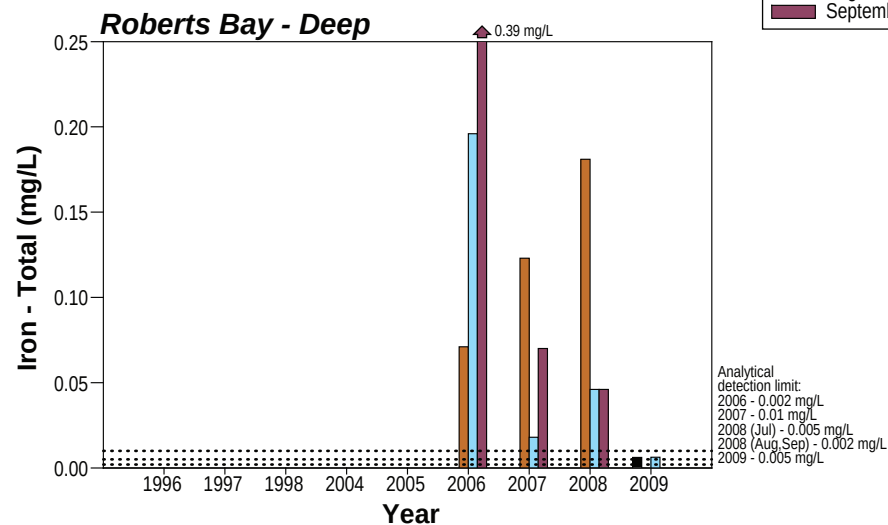
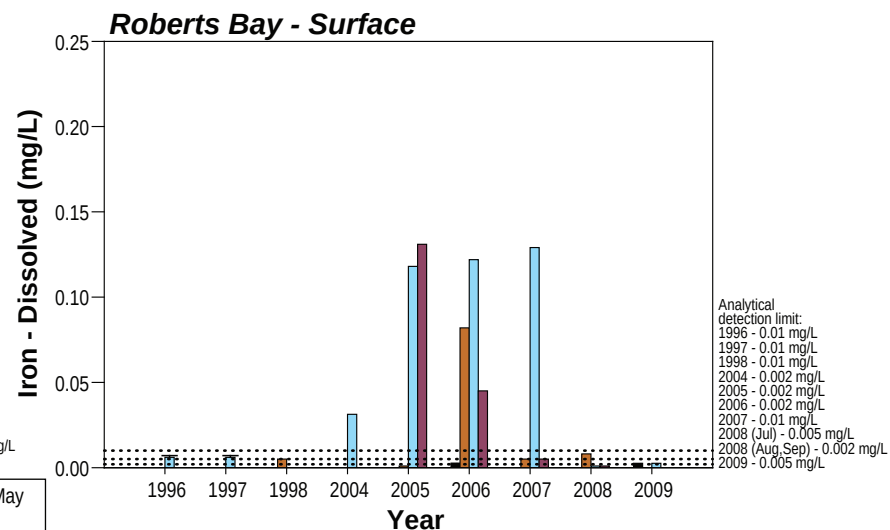
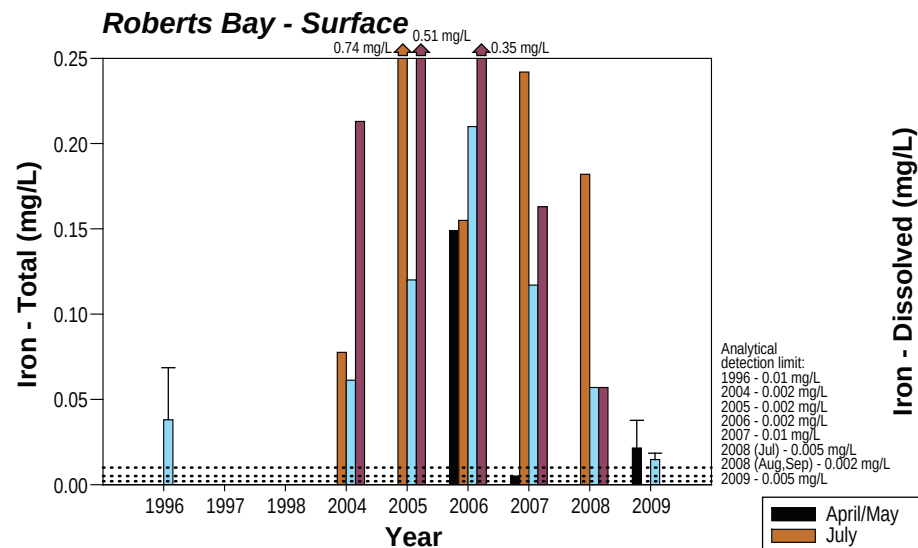
Red dashed lines represent the CCME water quality guidelines for trivalent chromium (0.056 mg/L) and hexavalent chromium (0.0015 mg/L).

Only a subset of sites sampled in 2009 (WT0, WT1, WT2, ST0, ST1, ST2, and ST3) are plotted here; these sites were selected because they are comparable to historical sampling locations.

Chromium Concentrations in Roberts Bay, Hope Bay Belt Project, 1996–2009

Figure 3.5-32





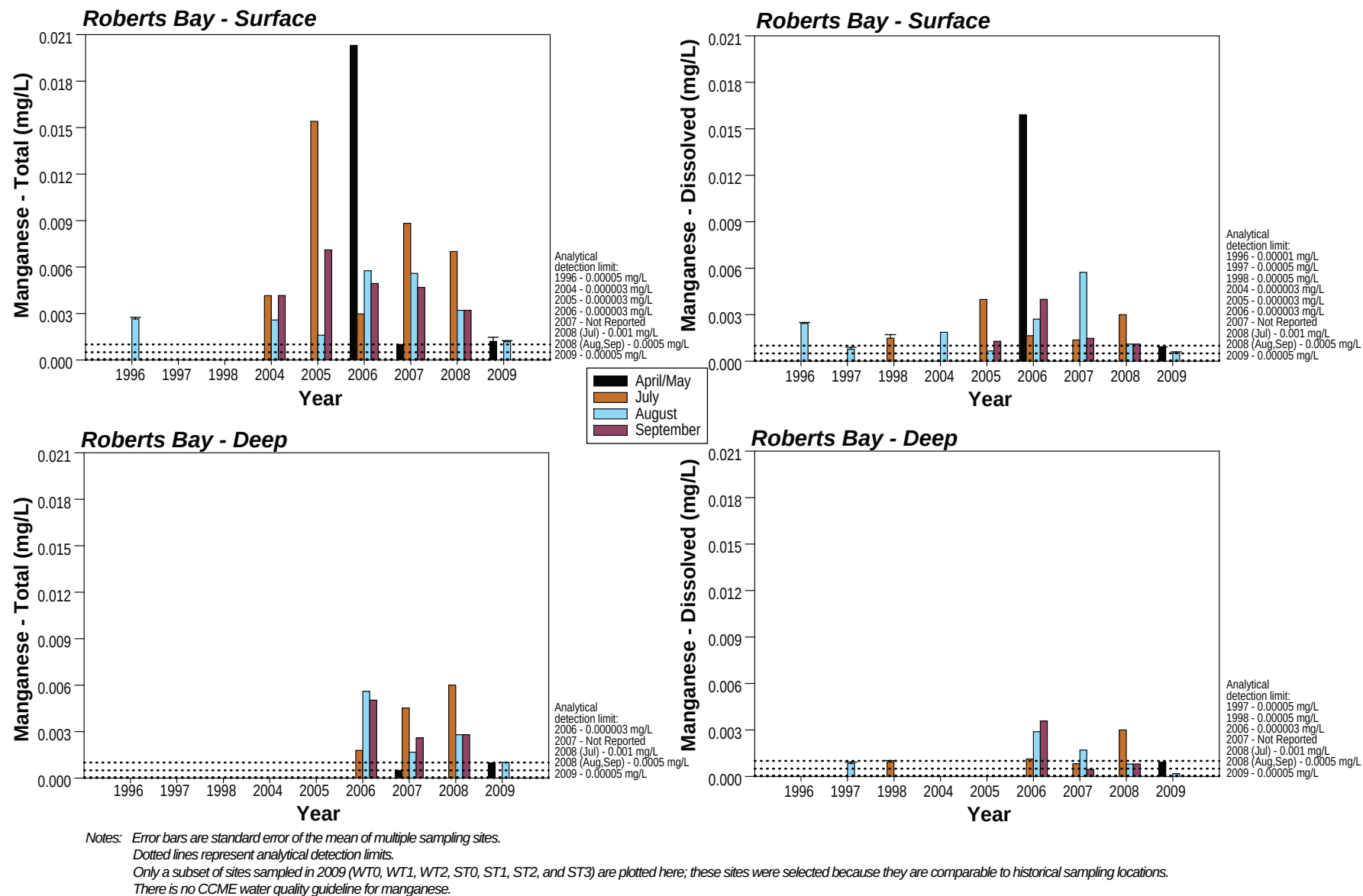
Notes: Error bars are standard error of the mean of multiple sampling sites.
 Dotted lines represent analytical detection limits.

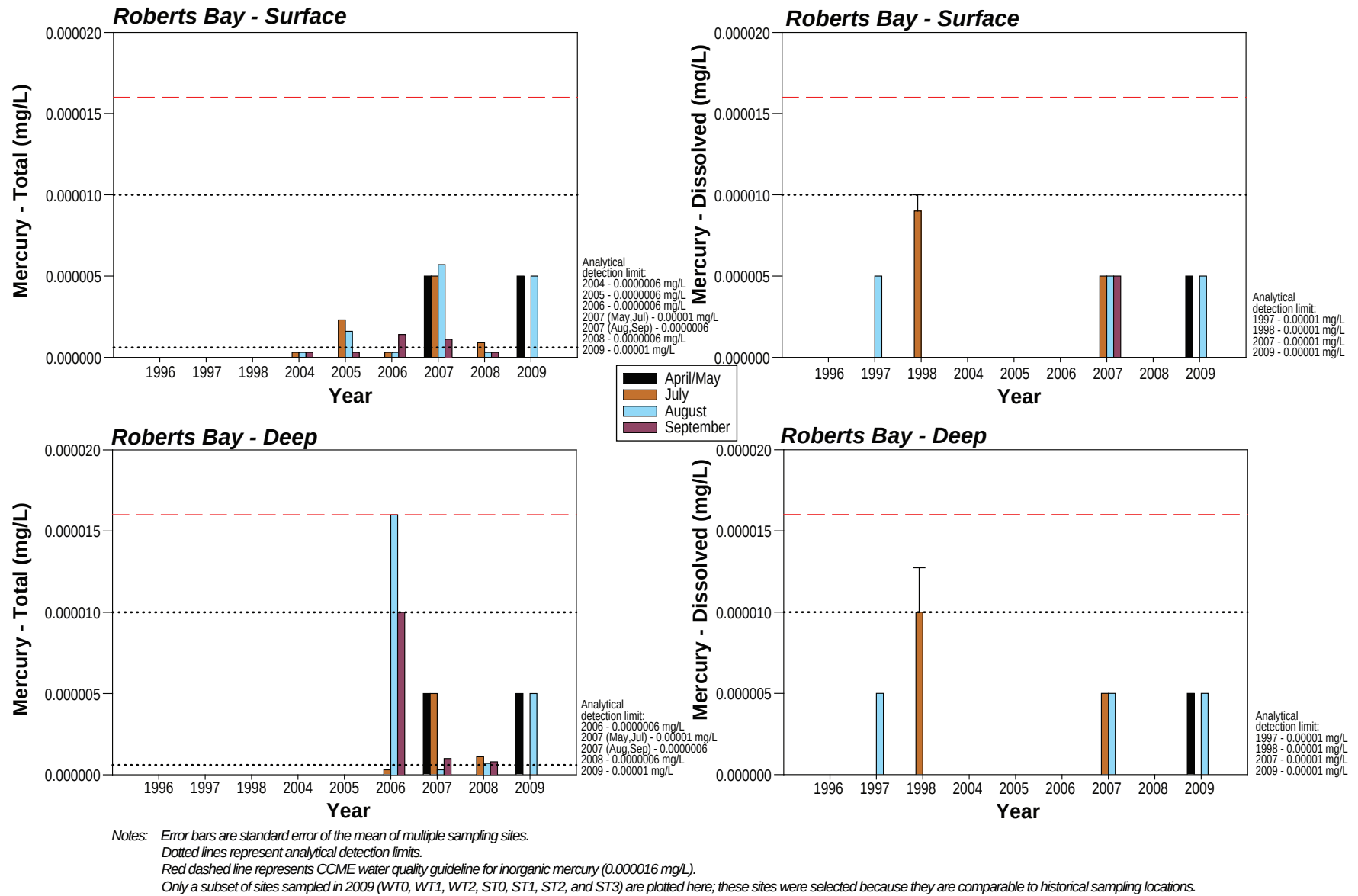
Only a subset of sites sampled in 2009 (WT0, WT1, WT2, ST0, ST1, ST2, and ST3) are plotted here; these sites were selected because they are comparable to historical sampling locations.

There is no CCME water quality guideline for iron.

Iron Concentrations in Roberts Bay, Hope Bay Belt Project, 1996–2009

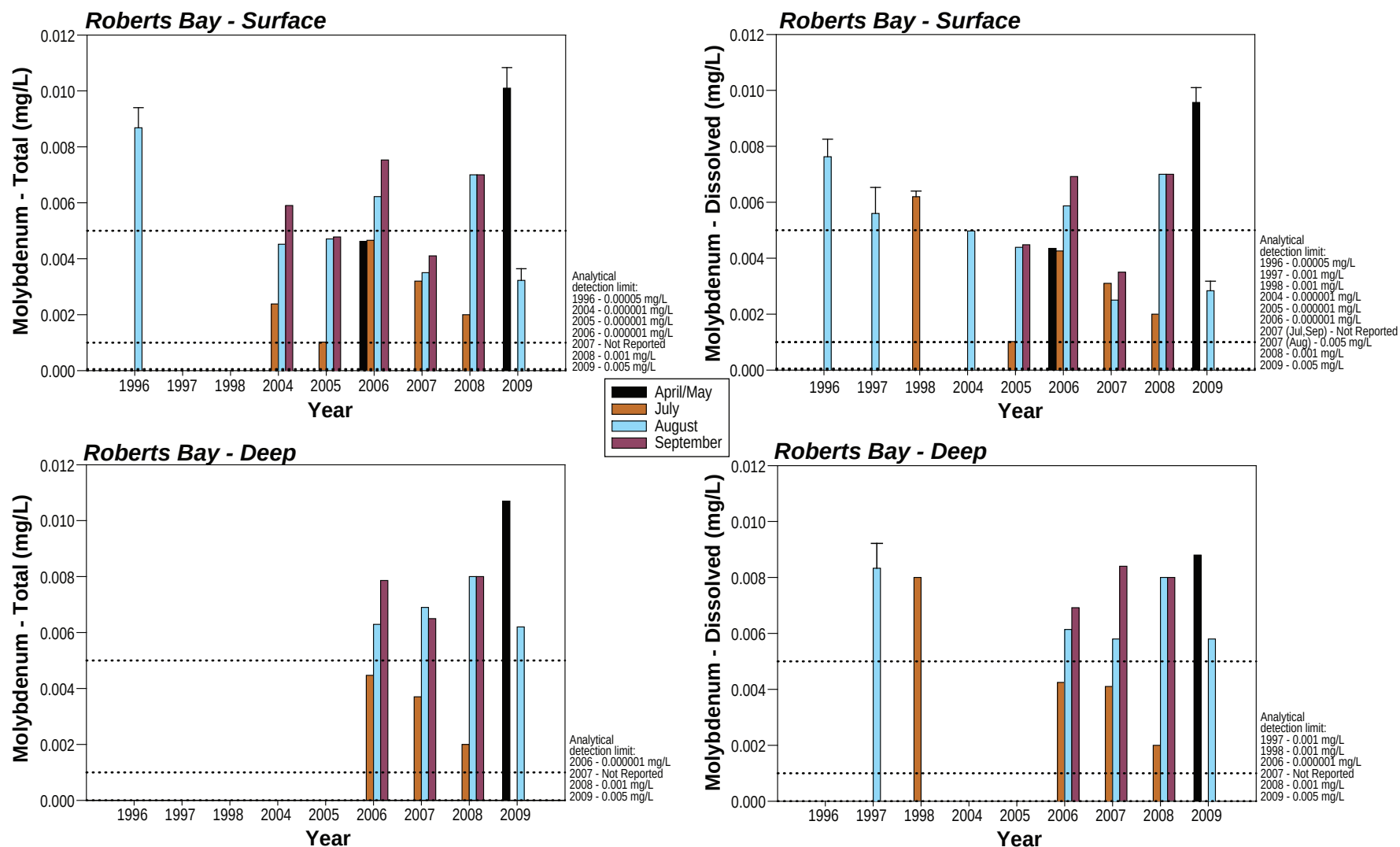
Figure 3.5-34





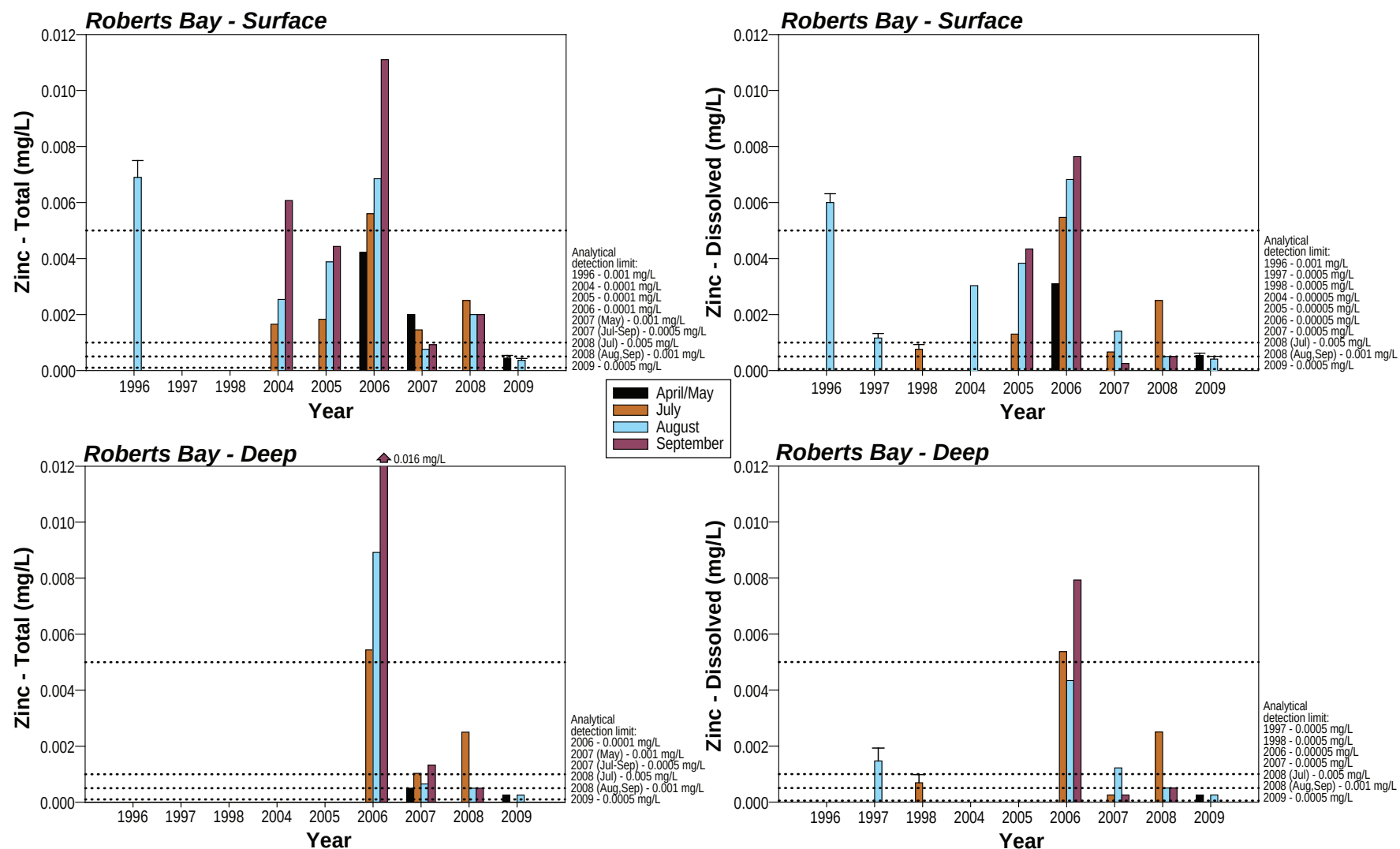
**Mercury Concentrations in Roberts Bay,
Hope Bay Belt Project, 1996–2009**

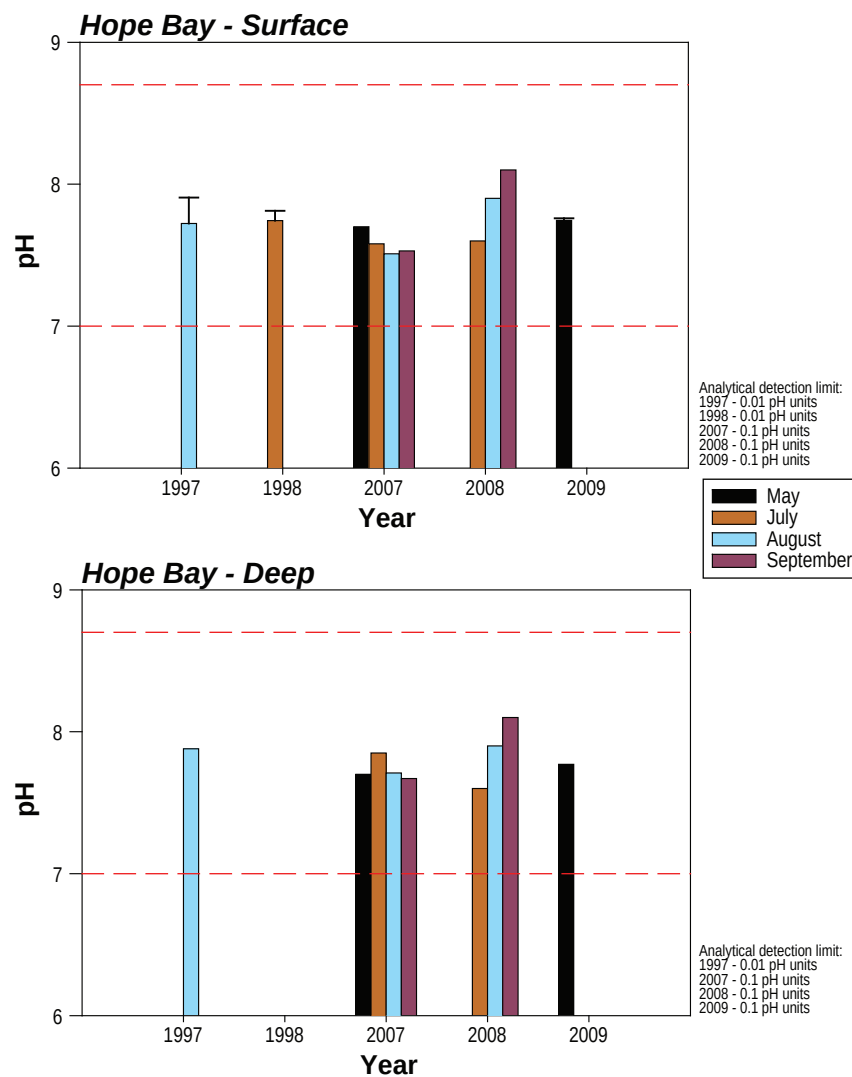
Figure 3.5-36

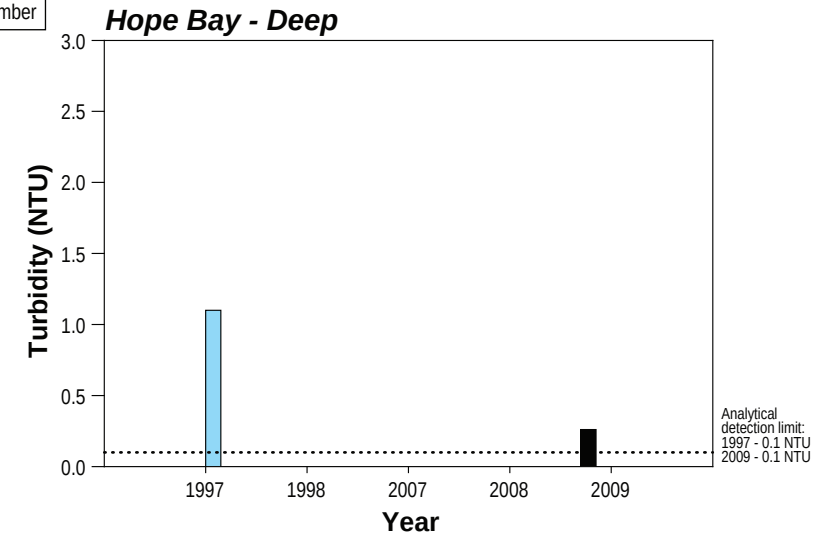
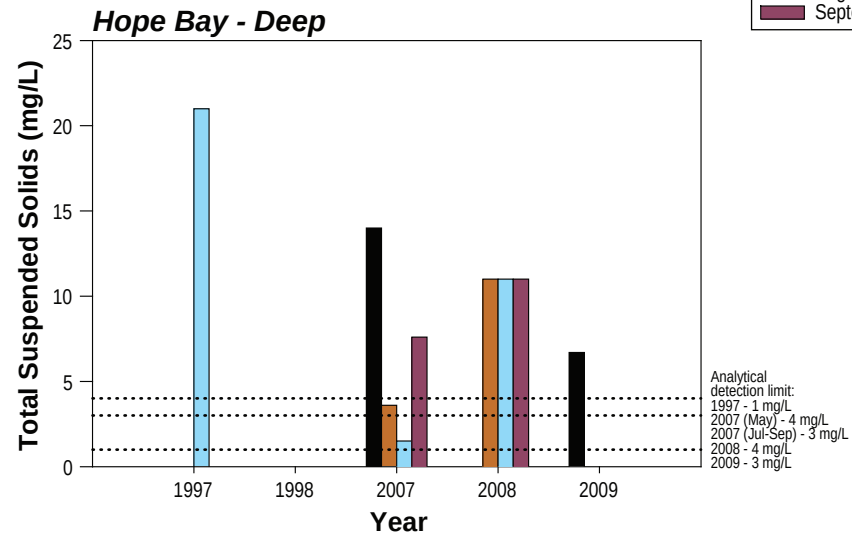
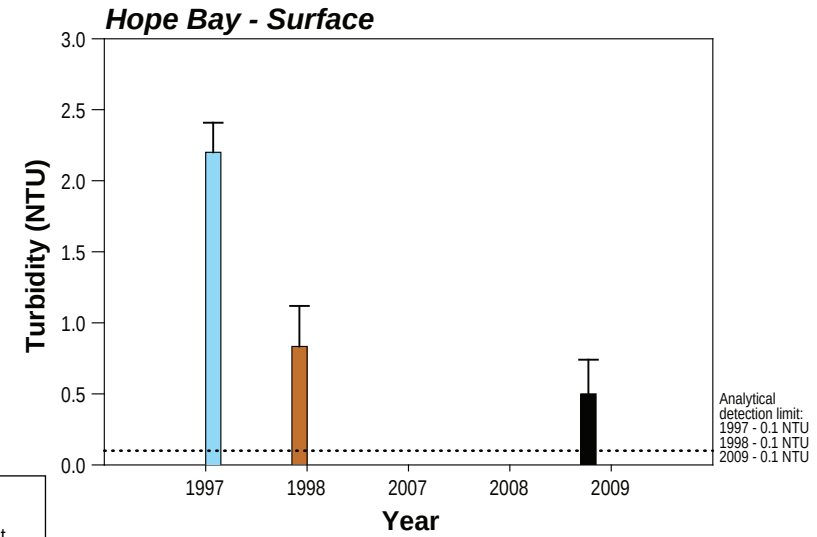
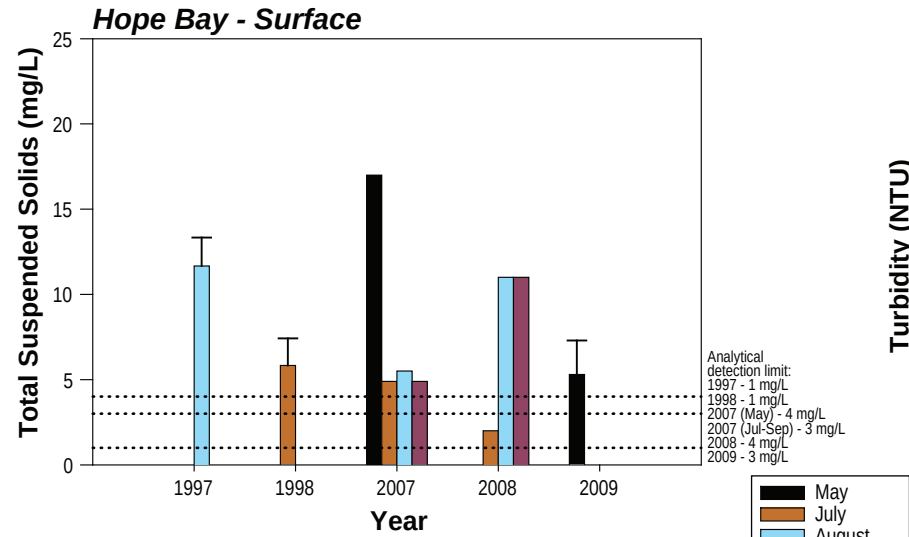


**Molybdenum Concentrations in Roberts Bay,
Hope Bay Belt Project, 1996–2009**

Figure 3.5-37





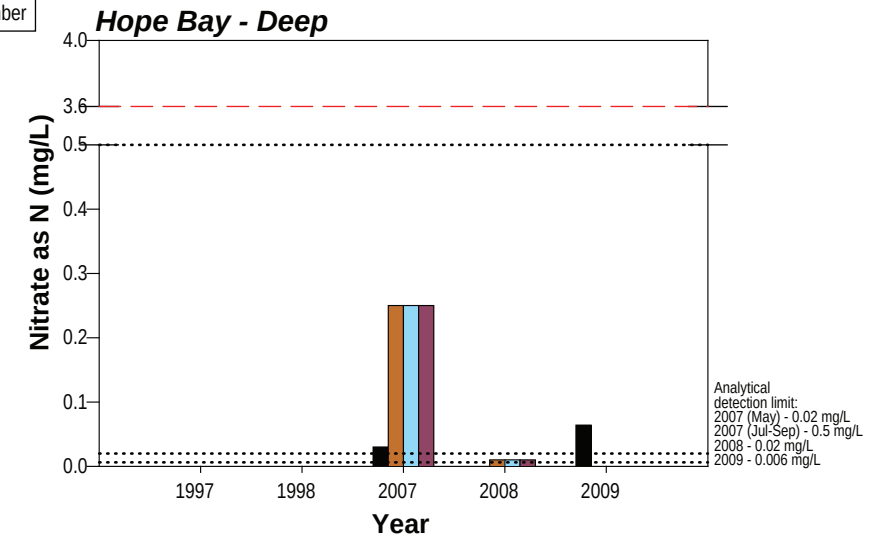
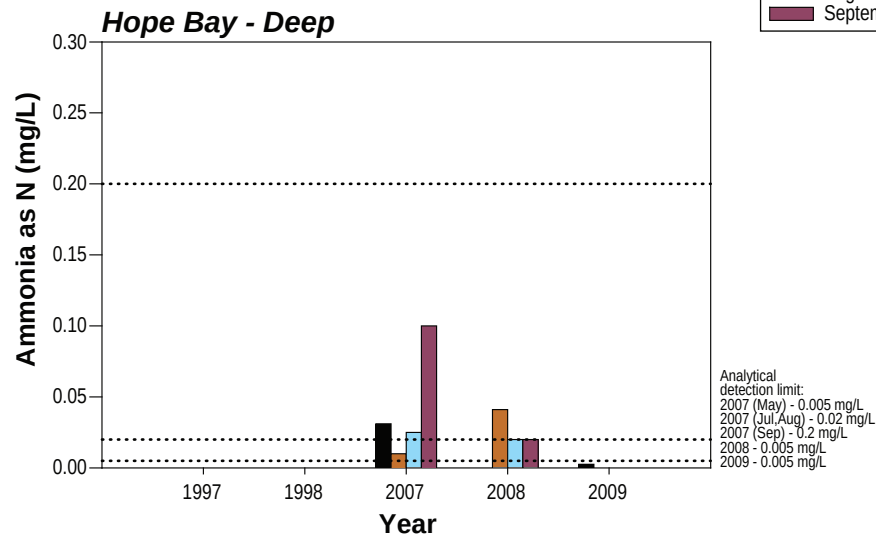
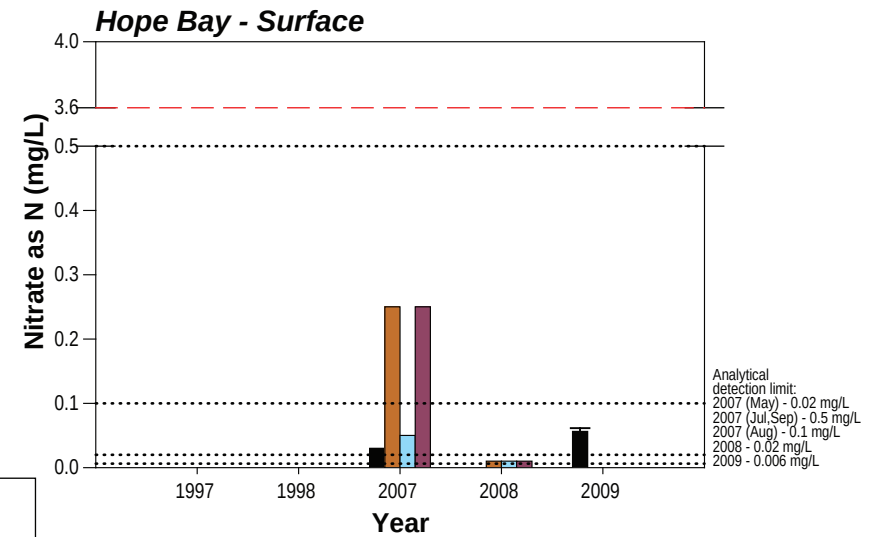
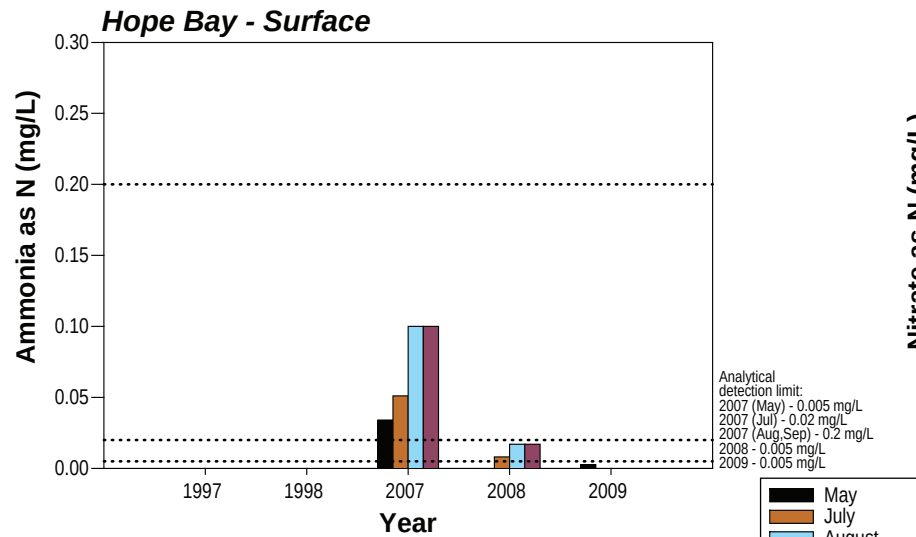


Notes: Error bars are standard error of the mean of multiple sampling sites.

Dotted lines represent analytical detection limits.

Only a subset of sites sampled in 2009 (HB1 and HB2) are plotted here; these sites were selected because they are comparable to historical sampling locations.

CCME guideline: maximum increase of 25 mg TSS/L or 8 NTU turbidity from background levels for short-term exposure, and maximum average increase of 5 mg TSS/L or 2 NTU turbidity from background levels for longer-term exposure.



Notes: Error bars are standard error of the mean of multiple sampling sites.

Dotted lines represent analytical detection limits.

Red dashed line represents CCME water quality guideline for nitrate as N (3.6 mg/L); there is no CCME water quality guideline for ammonia.

Only a subset of sites sampled in 2009 (HB1 and HB2) are plotted here; these sites were selected because they are comparable to historical sampling locations.