

## Appendix 8. Plots of Dissolved and Colloidal Metal Concentrations

Figure A8-1. Plots of calcium (Ca) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

Figure A8-2. Plots of cerium (Ce) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

Figure A8-3. Plots of cobalt (Co) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

Figure A8-4. Plots of chromium (Cr) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

Figure A8-5. Plots of gadolinium (Gd) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

Figure A8-6. Plots of potassium (K) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

Figure A8-7. Plots of manganese (Mn) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

Figure A8-8. Plots of nickel (Ni) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

Figure A8-9. Plots of antimony (Sb) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

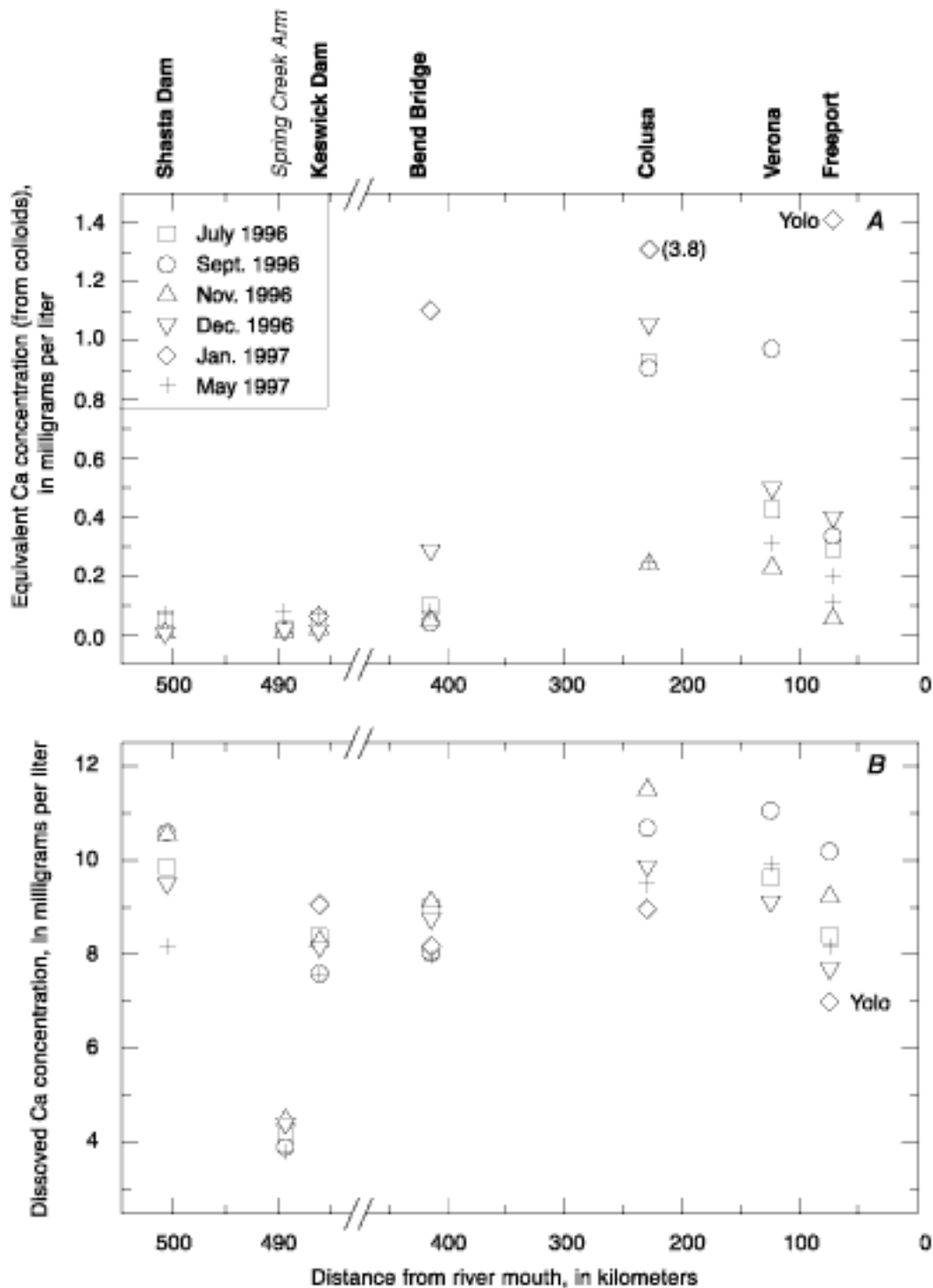
Figure A8-10. Plots of uranium (U) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

Figure A8-11. Plots of vanadium (V) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

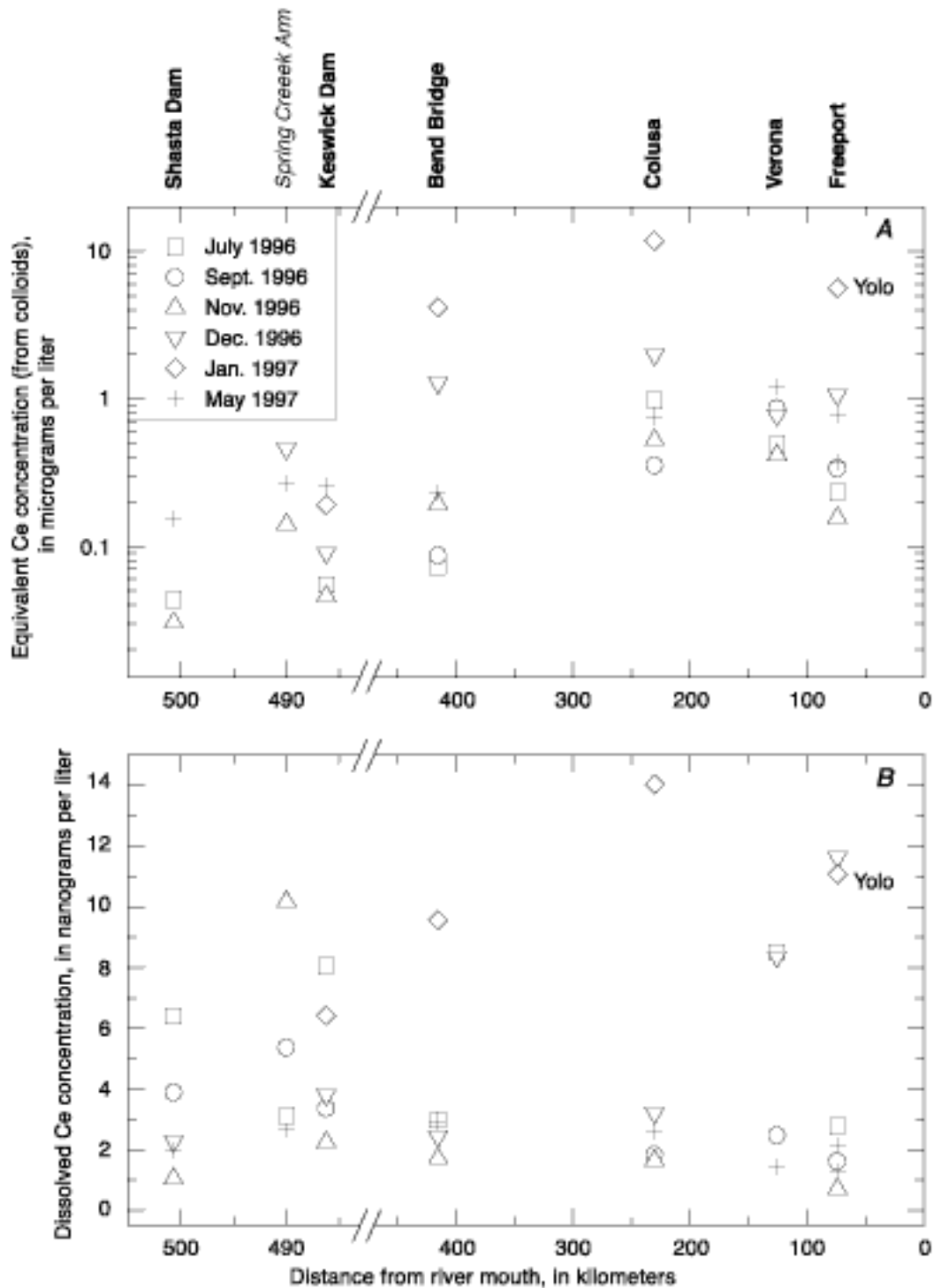
Figure A8-12. Plots of yttrium (Y) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

Figure A8-13. Plots of ytterbium (Yb) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

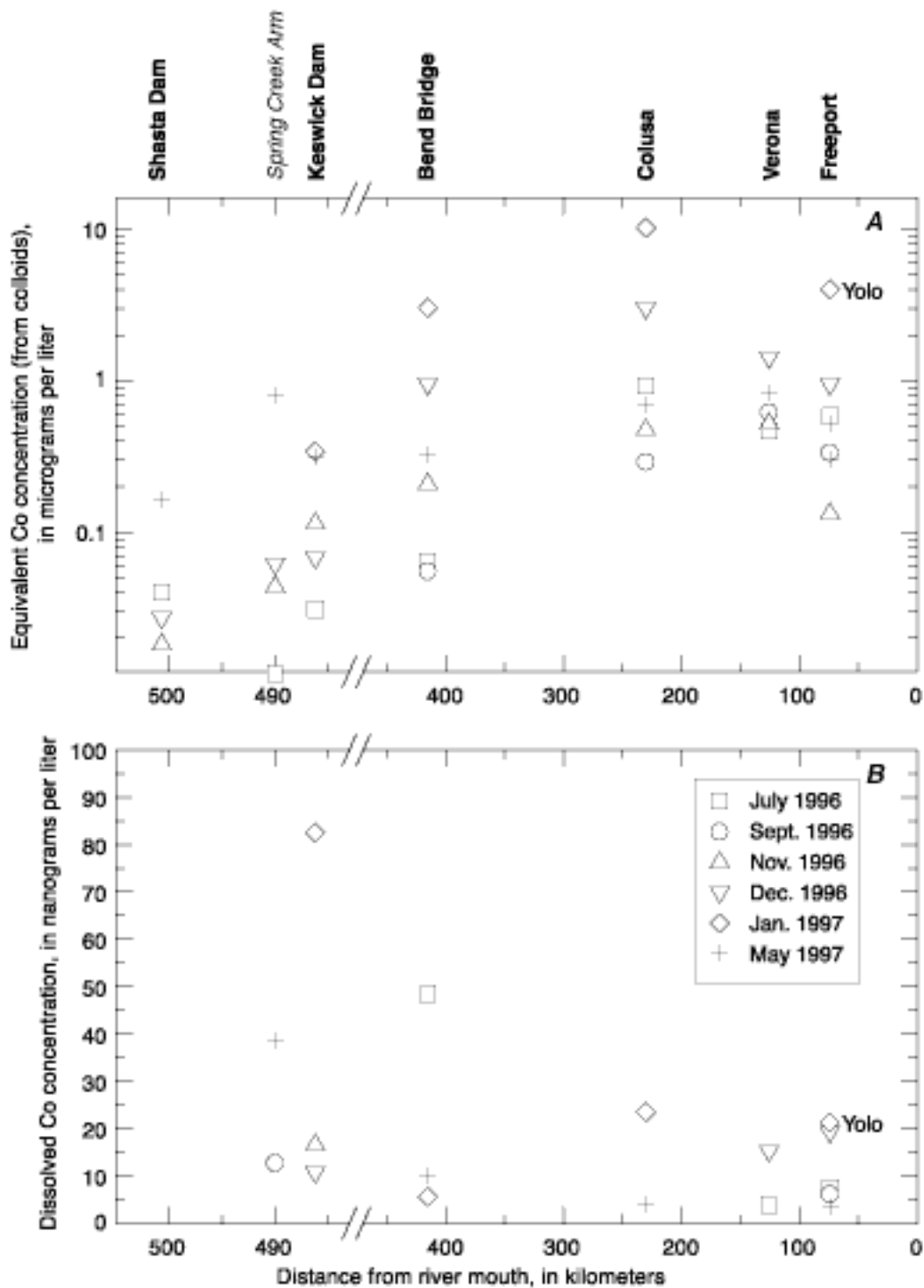
Figure A8-14. Plots of zirconium (Zr) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.



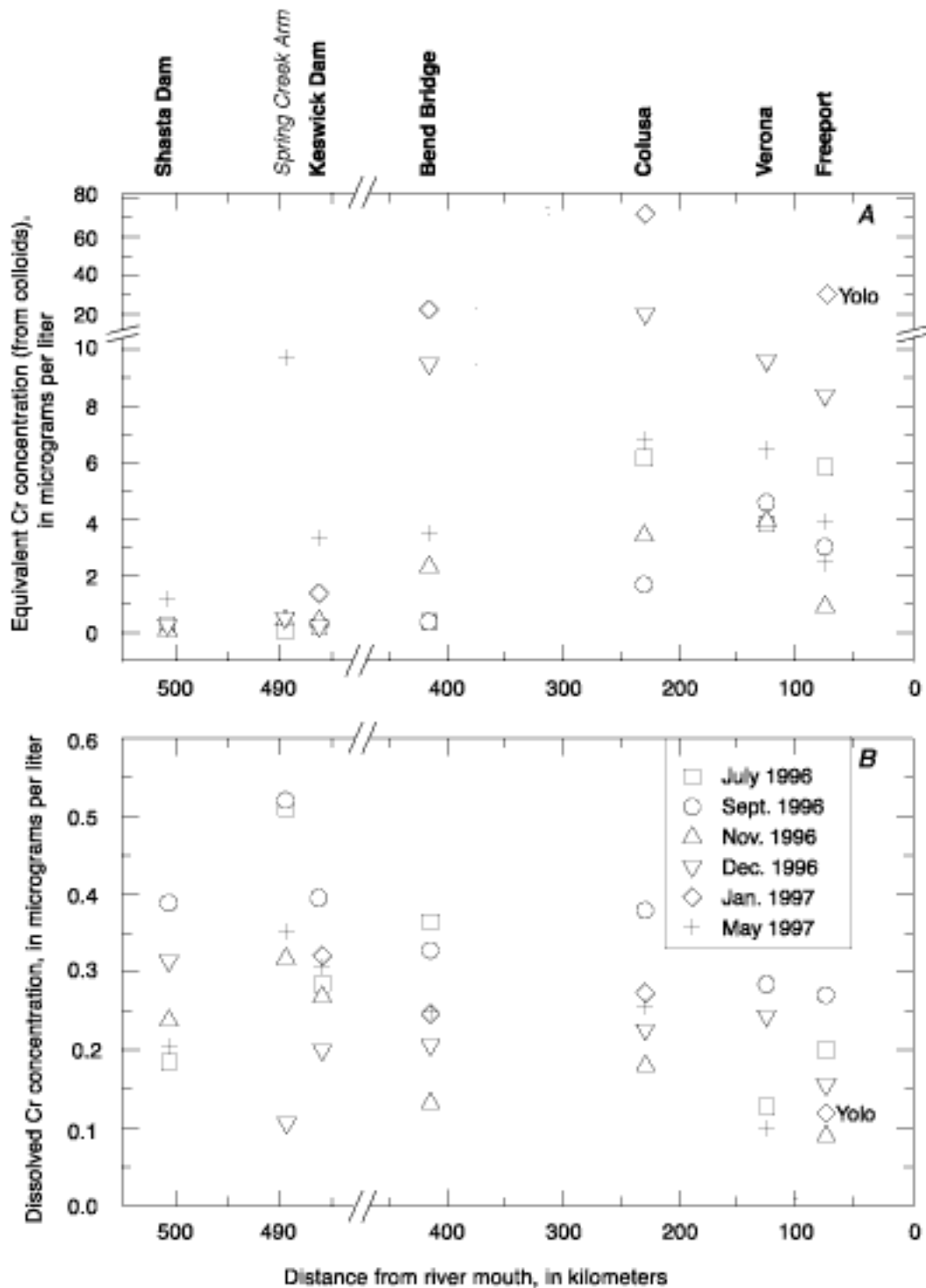
**Figure A8-1.** Plots of calcium (Ca) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.



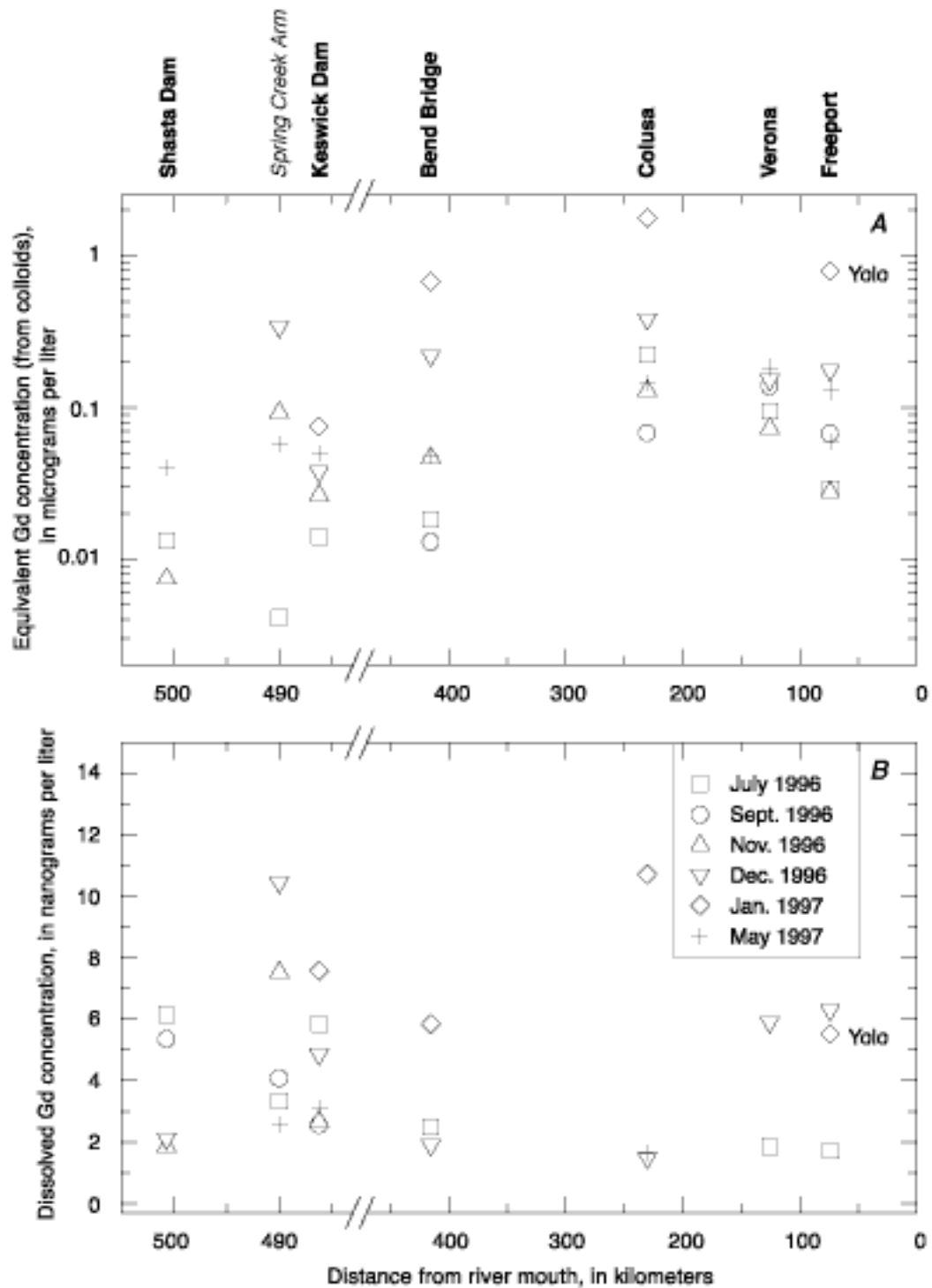
**Figure A8-2.** Plots of cerium (Ce) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in *italics* are tributary sites.



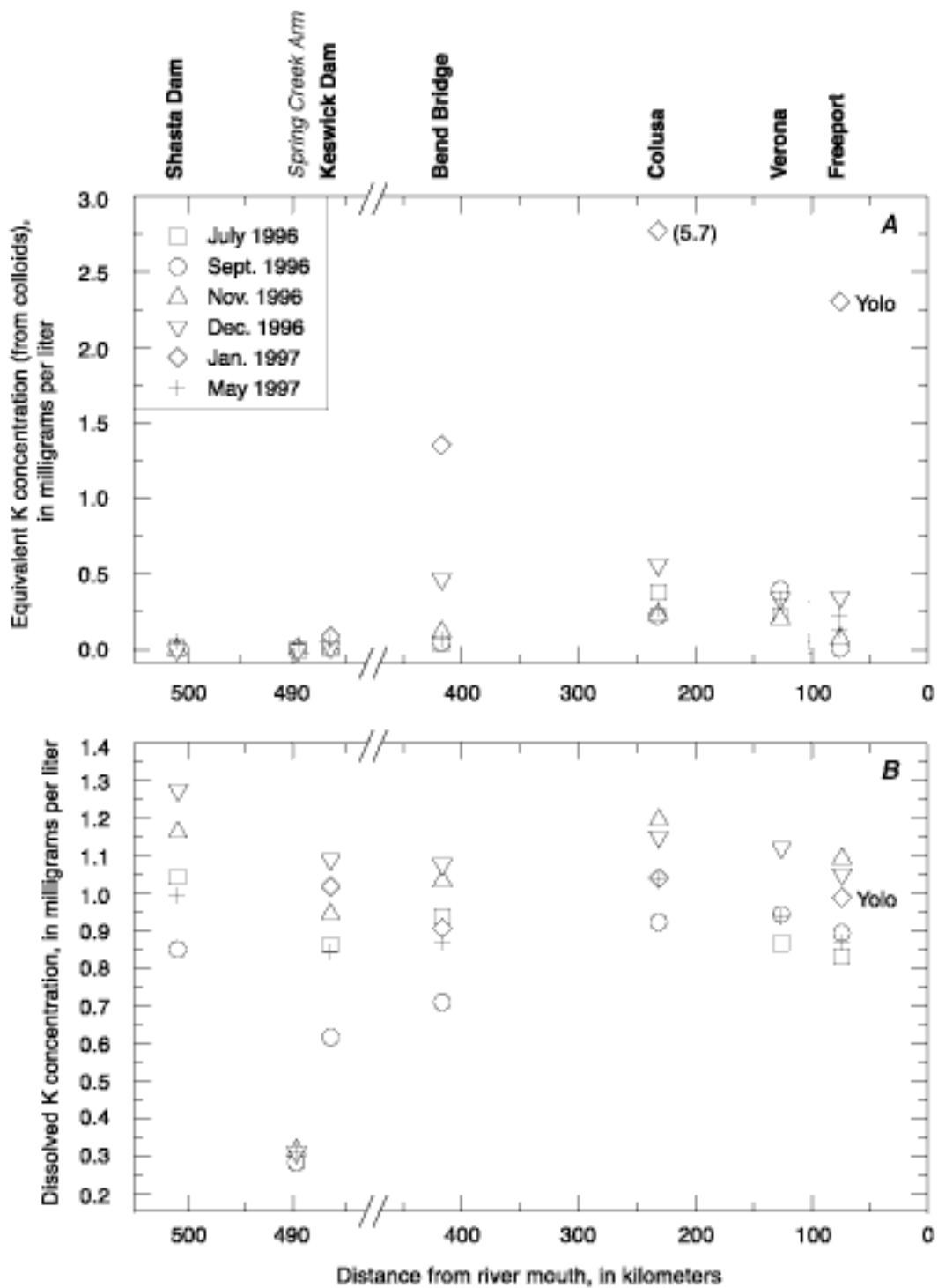
**Figure A8-3.** Plots of cobalt (Co) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. A. Equivalent colloid concentrations B. Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.



**Figure A8-4.** Plots of chromium (Cr) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

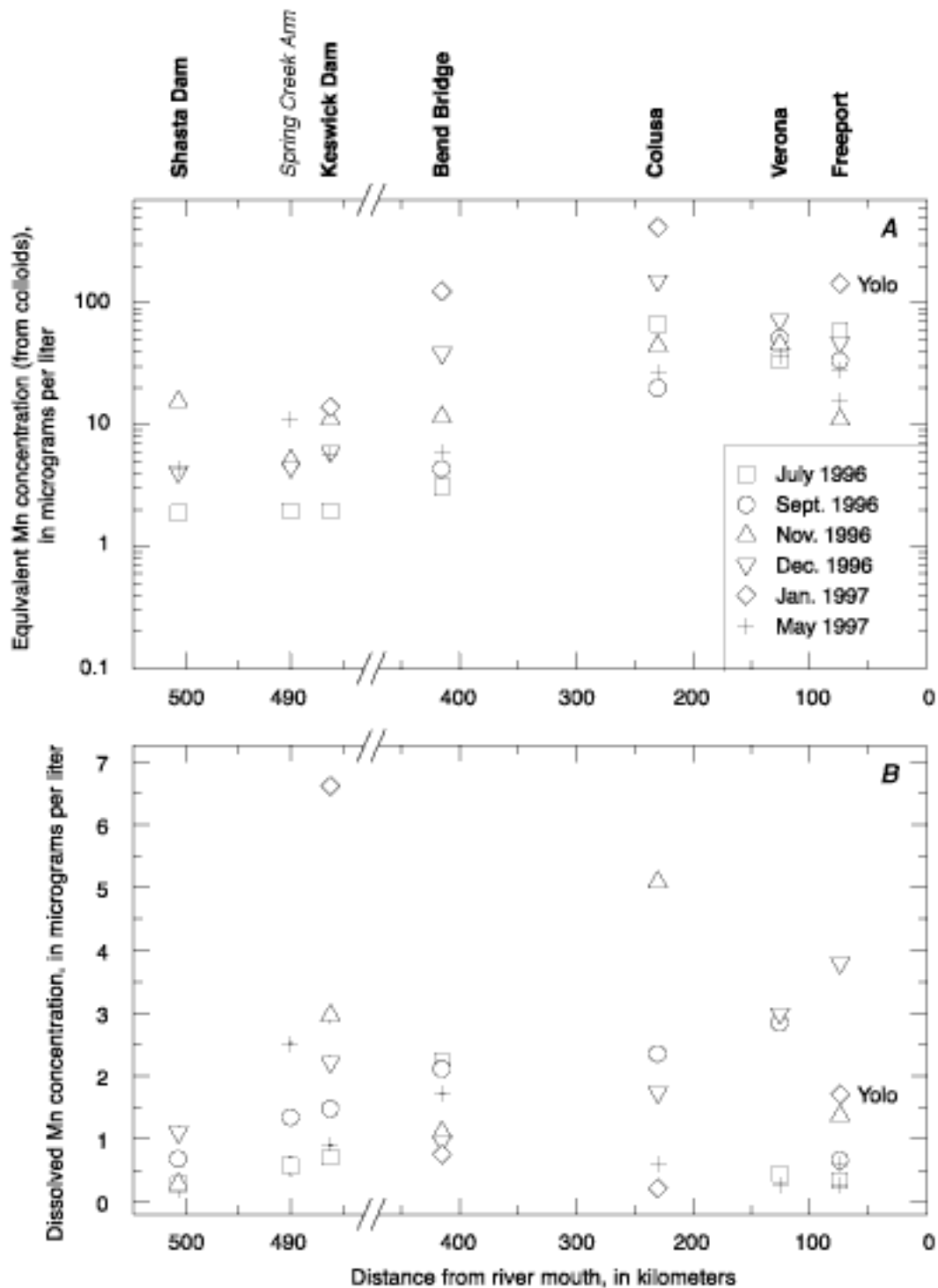


**Figure A8-5.** Plots of gadolinium (Gd) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. A. Equivalent colloid concentrations B. Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

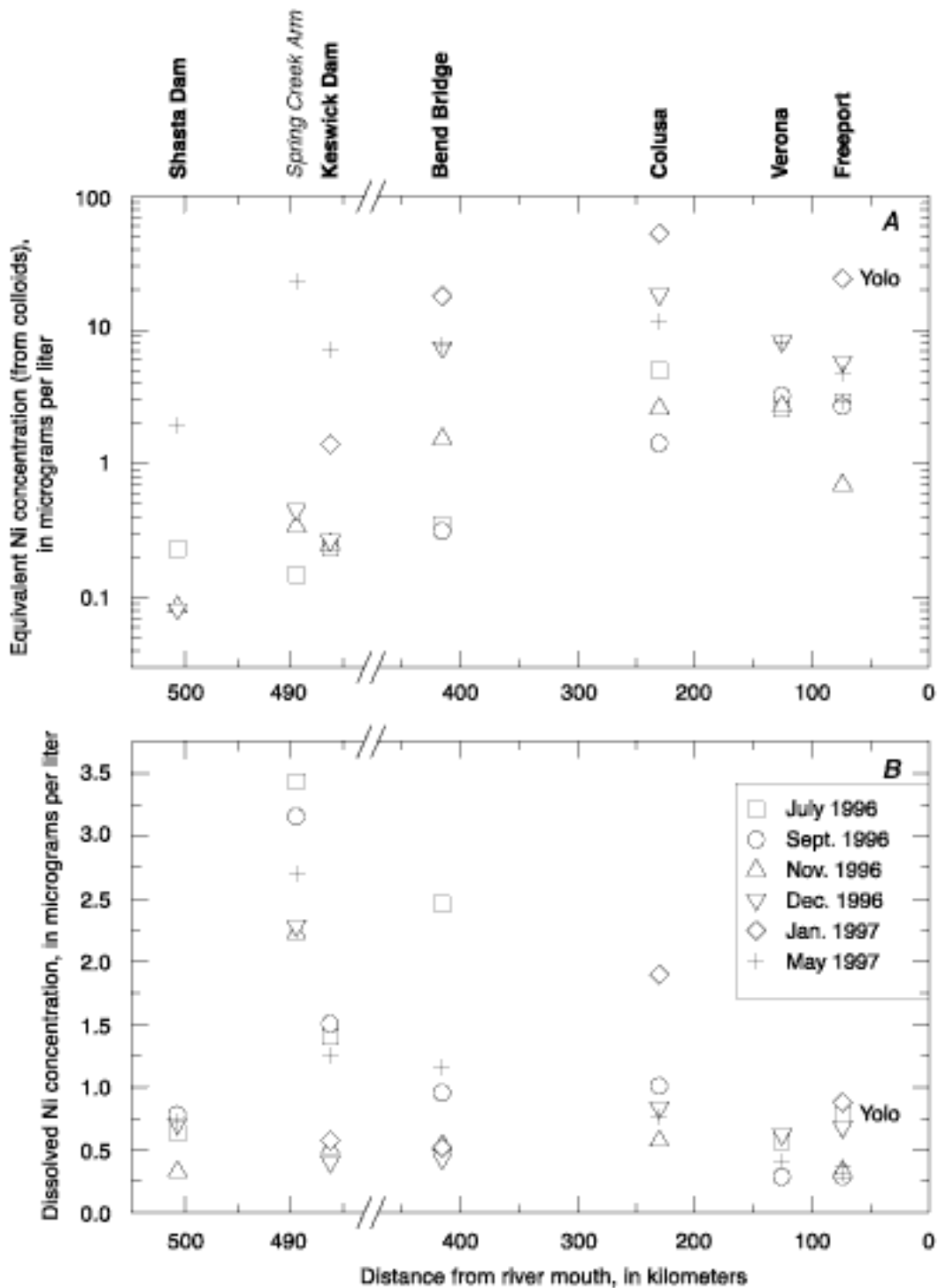


**Figure A8-6.** Plots of potassium (K) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. A. Equivalent colloid concentrations B. Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.

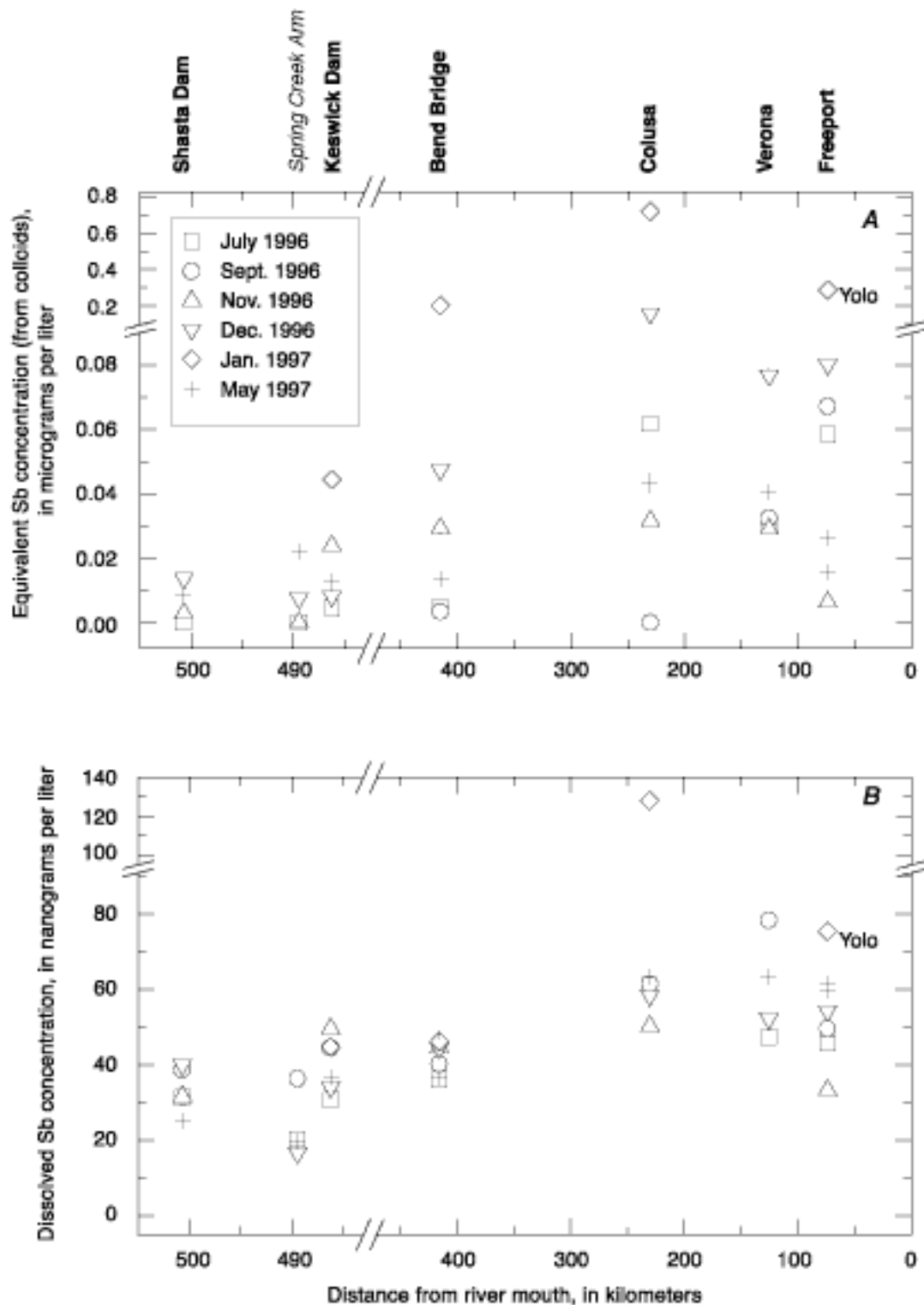




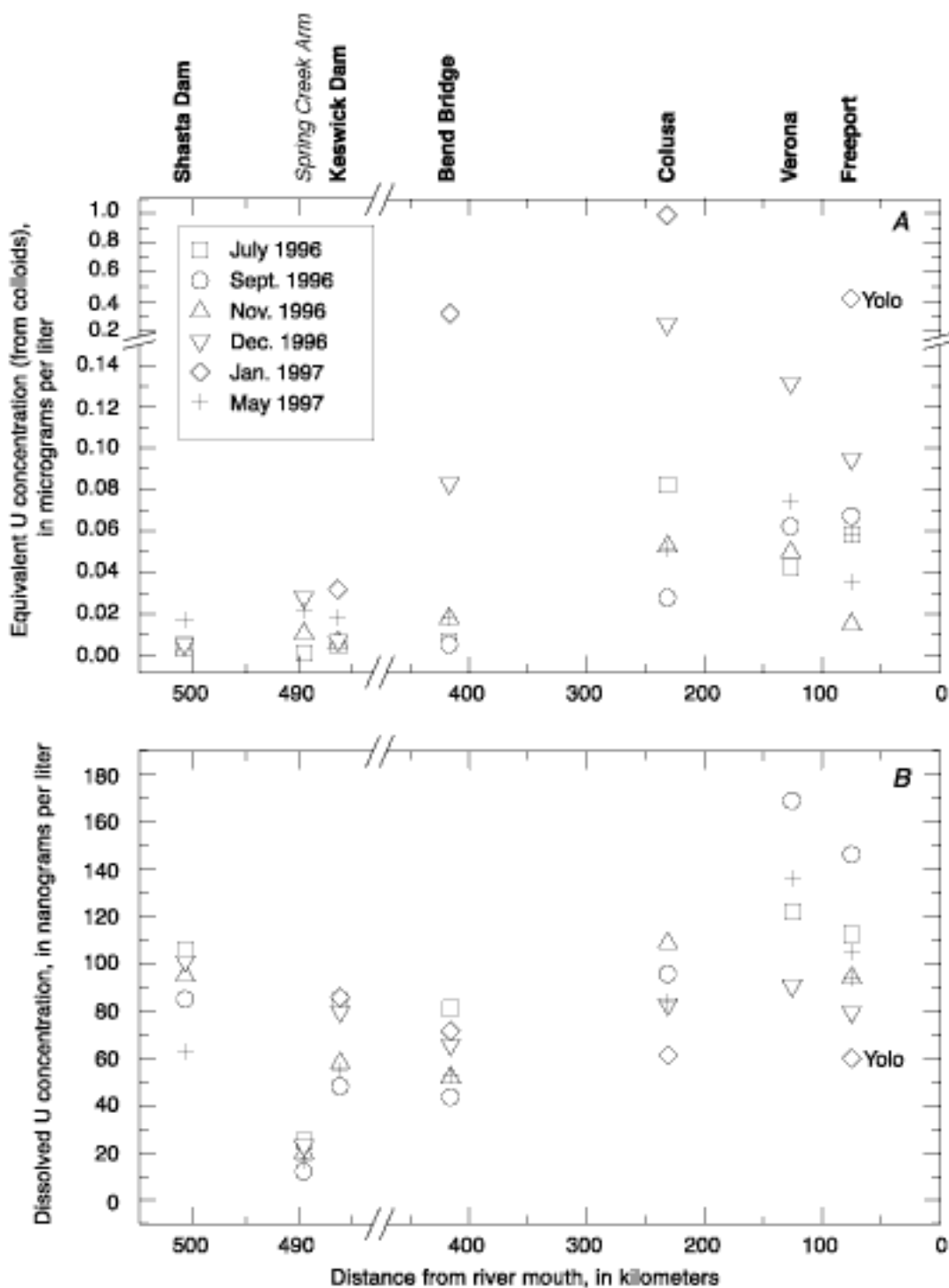
**Figure A8-7.** Plots of manganese (Mn) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.



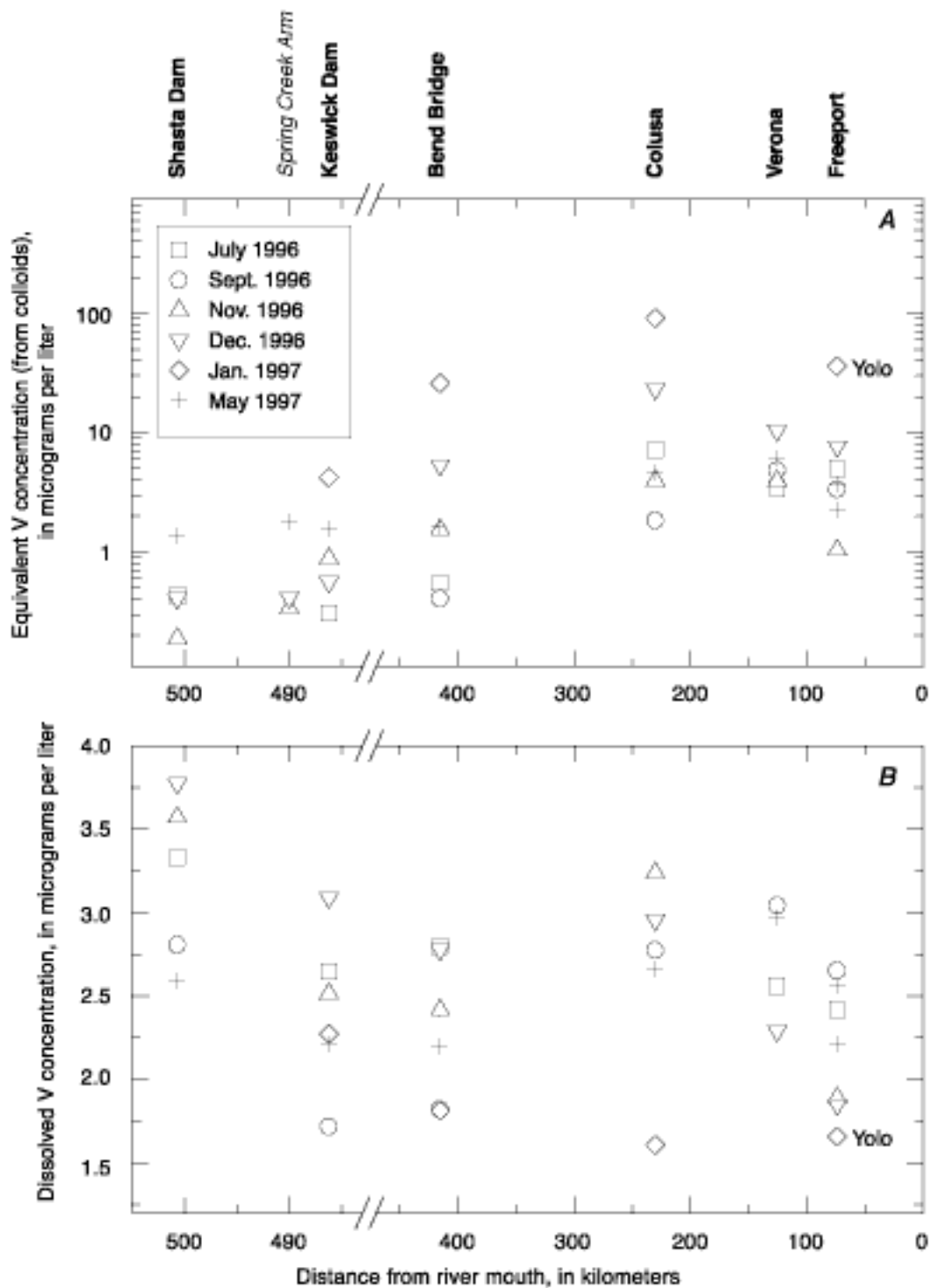
**Figure A8-8.** Plots of nickel (Ni) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. A. Equivalent colloid concentrations B. Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.



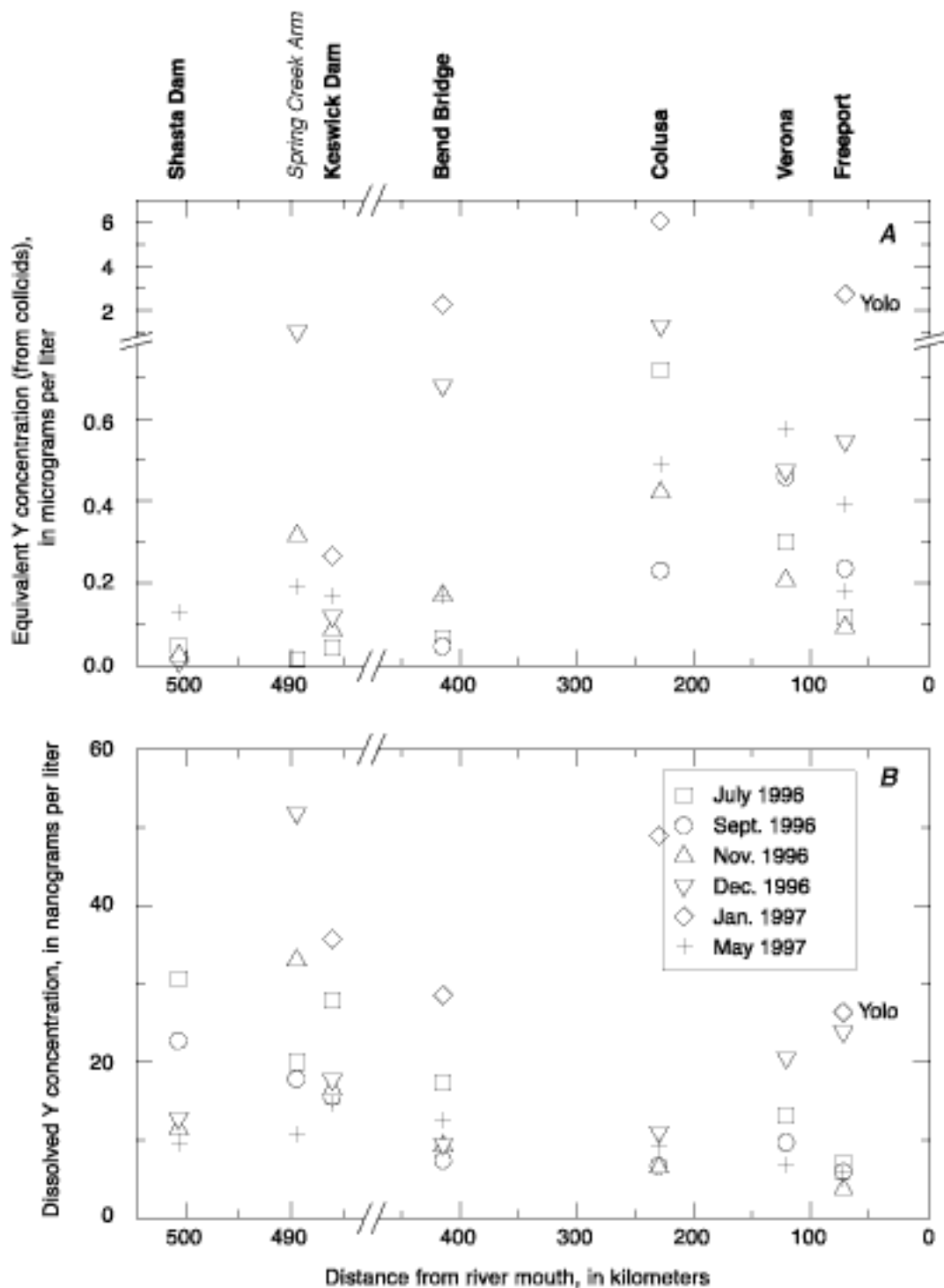
**Figure A8-9.** Plots of antimony (Sb) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.



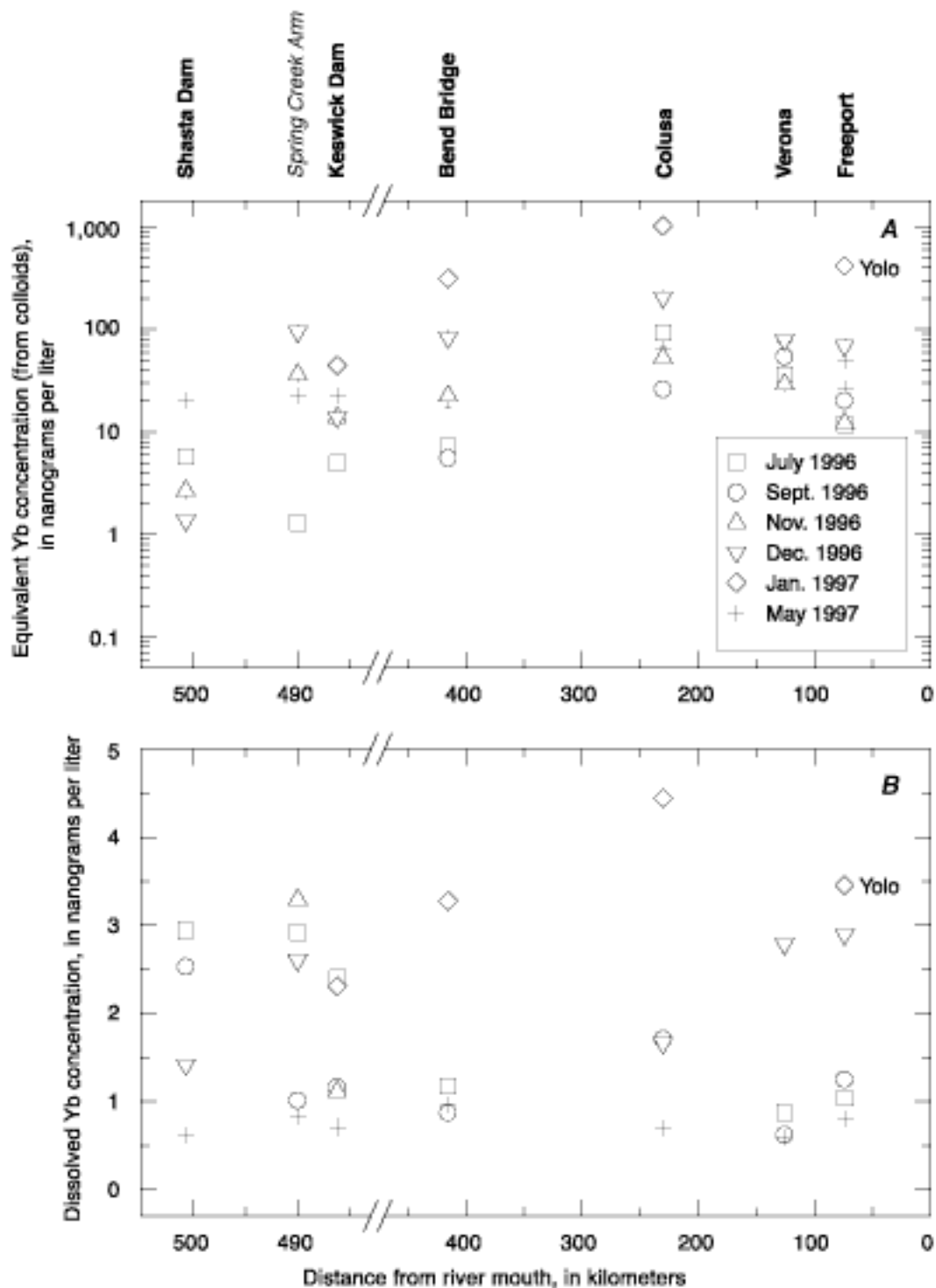
**Figure A8-10.** Plots of uranium (U) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.



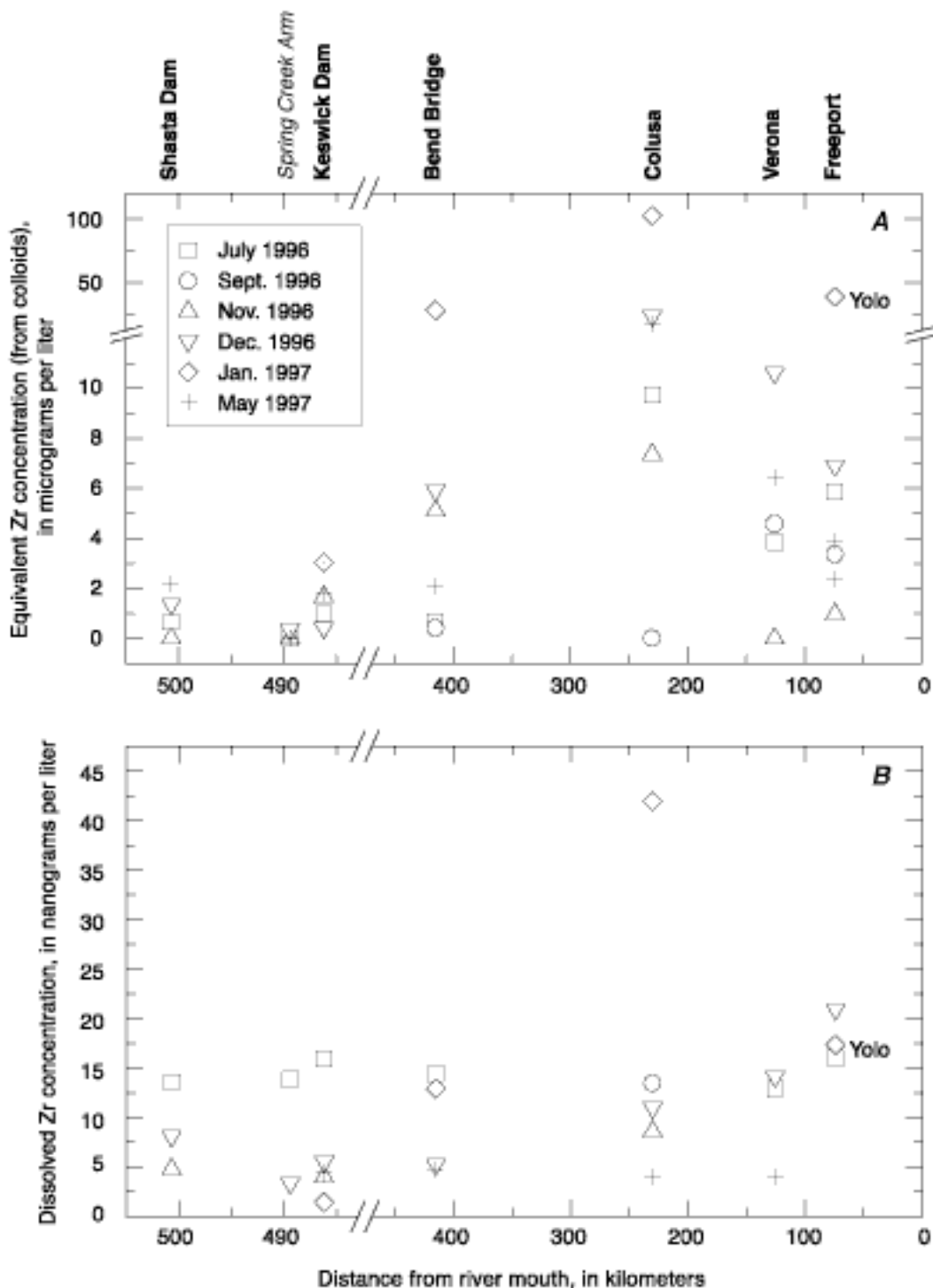
**Figure A8-11.** Plots of vanadium (V) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. *A.* Equivalent colloid concentrations *B.* Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.



**Figure A8-12.** Plots of yttrium (Y) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. A. Equivalent colloid concentrations B. Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.



**Figure A8-13.** Plots of ytterbium (Yb) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. A. Equivalent colloid concentrations B. Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.



**Figure A8-14.** Plots of zirconium (Zr) concentration in relation to distance (broken scale) from the Sacramento River mouth, California. A. Equivalent colloid concentrations B. Dissolved (ultrafiltrate) concentrations. Yolo Bypass sample shown instead of Freeport for January 1997; site names in bold are mainstem sites and those in italics are tributary sites.