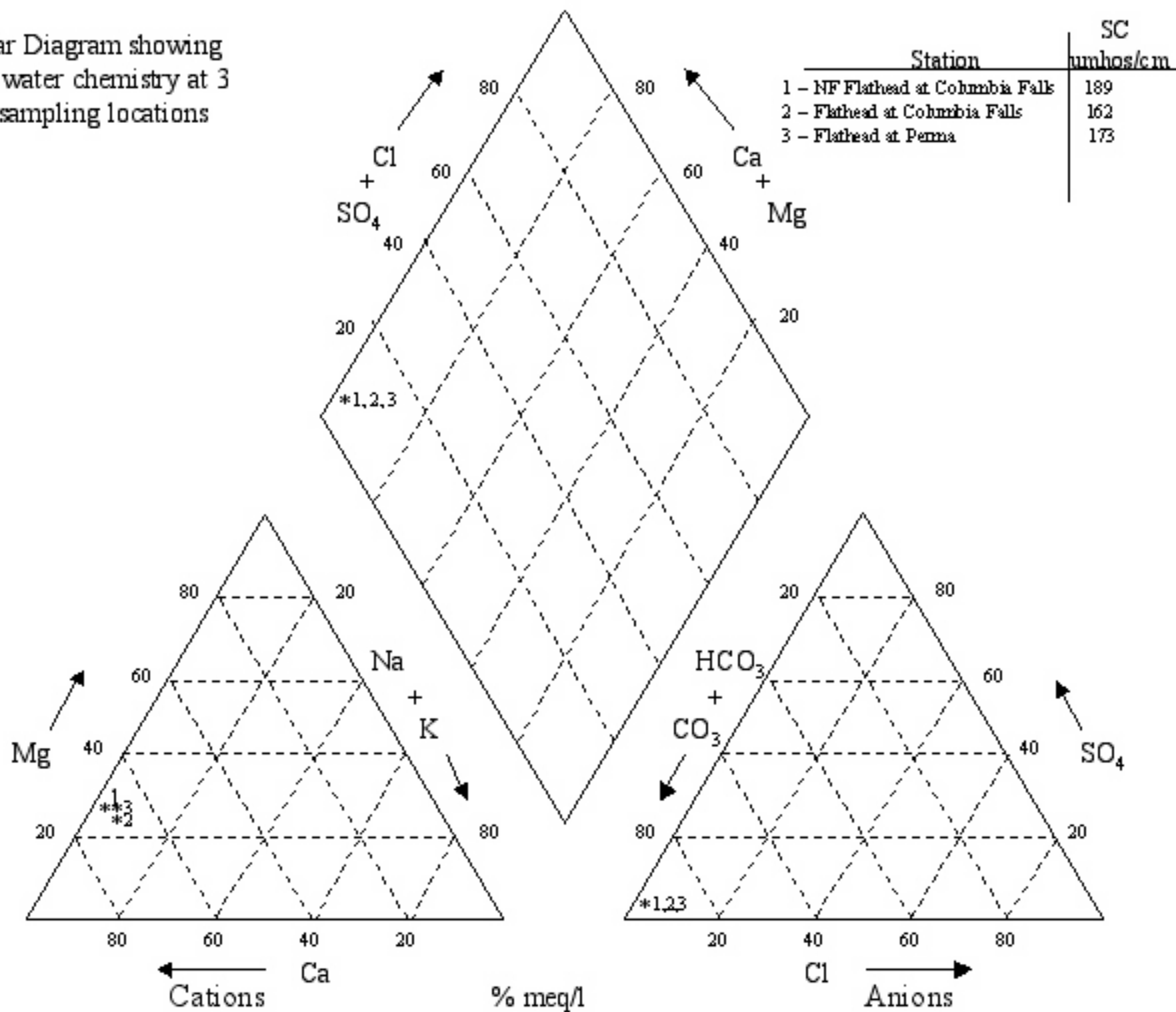


## **Appendix 70**

### **Trilinear Water Quality Diagram for the Falthead Subbasin**

Trilinear Diagram showing natural water chemistry at 3 USGS sampling locations



A trilinear diagram for water quality condition at three sites N Fork Flathead, Flathead at C Falls, Flathead at Perma. The trilinear diagram shows that natural water chemistry is strongly a calcium bicarbonate water type - very well buffered, very low acid content. The plot also shows that there is very little change in basic water chemistry in a downstream direction. This is expected due to the bedrock geology in the basin.

Reference: Hem, J. D. , 1992. Study and Interpretation of Chemical Characteristics of Natural Water, 3rd ed. USGS Water Supply Paper 2254.