

*Lesson 33: Size of River
Channels*

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Water Resources Engineering

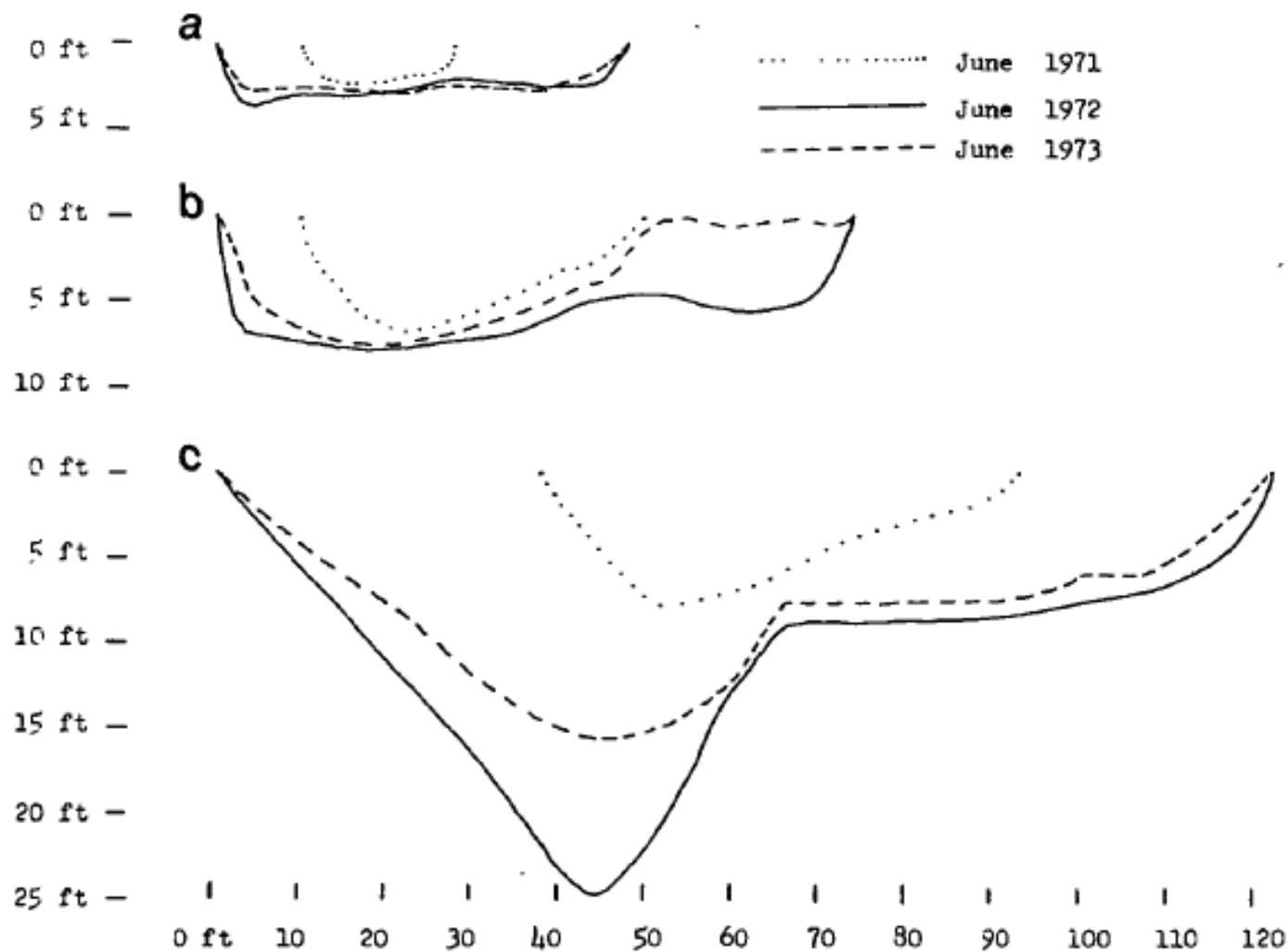


Fig. 4. Changes in river channel cross sections after Agnes flood of June 1972: (a) below Slade gage (4.7-mi² drainage area), straight reach; (b) Mantua Mill (33-mi² drainage area), meandering reach; and (c) Falls Road bridge (37.8-mi² drainage area), a bridge constriction. All cross sections look downstream.

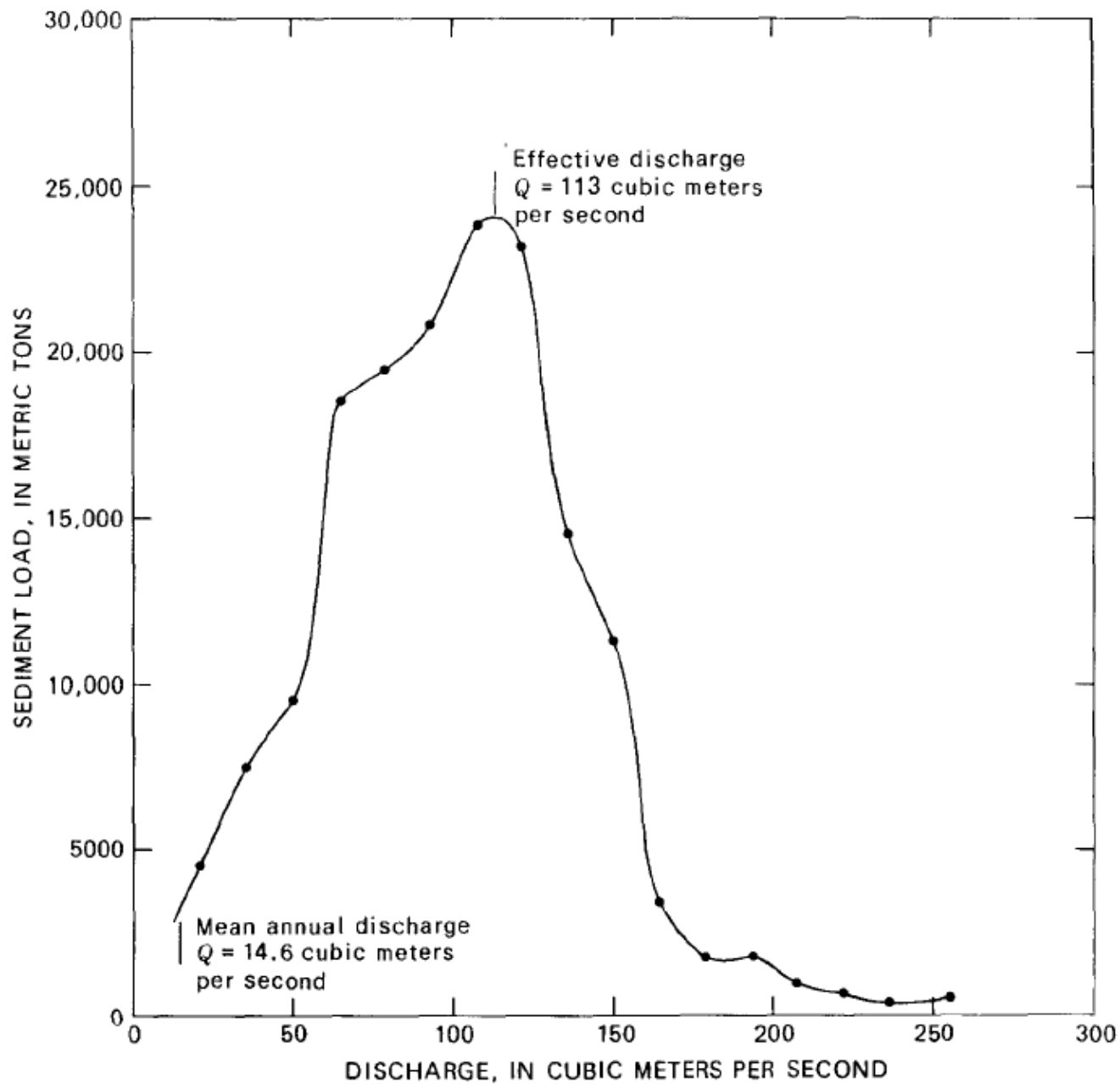


Fig. 5. Mean-annual sediment load transported by increments of discharge for the Snake River near Dixon, Wyoming.

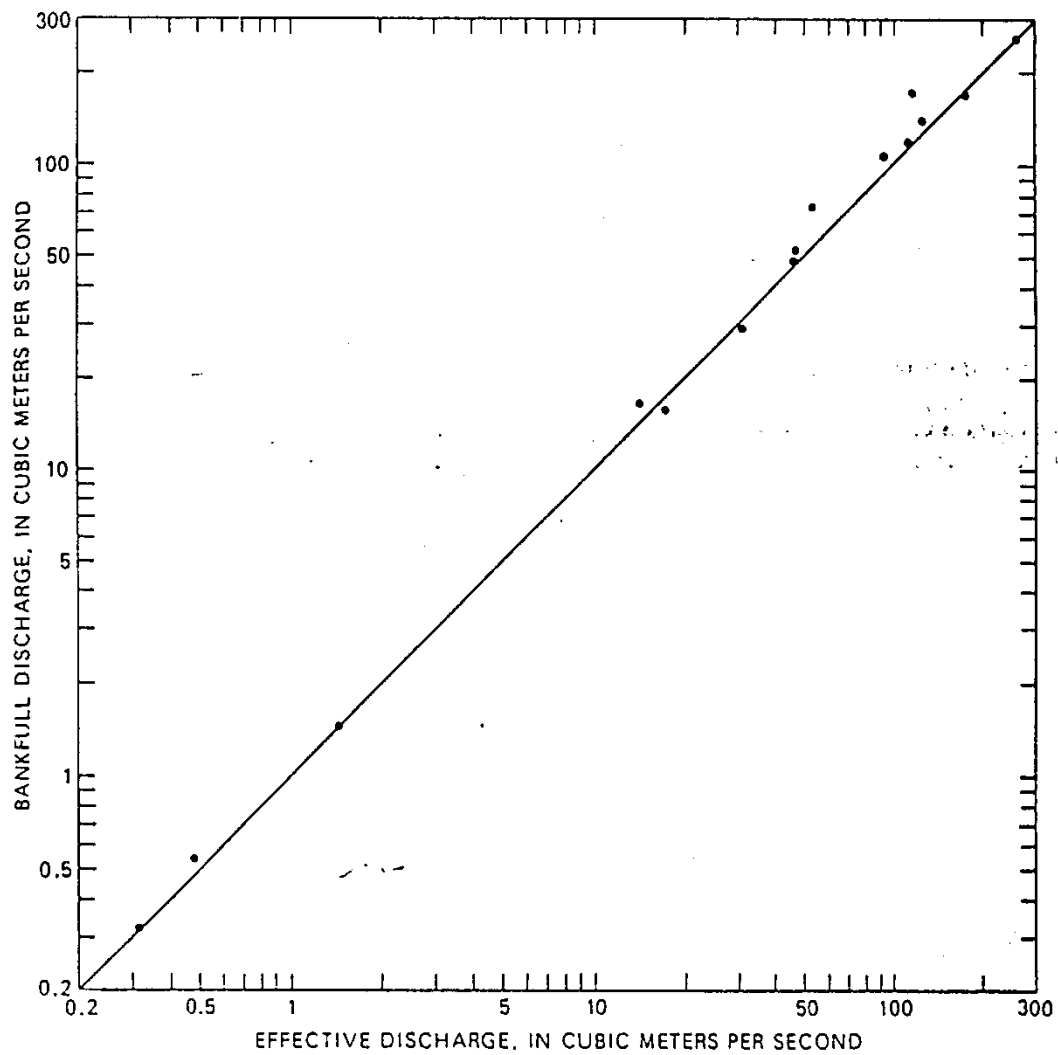
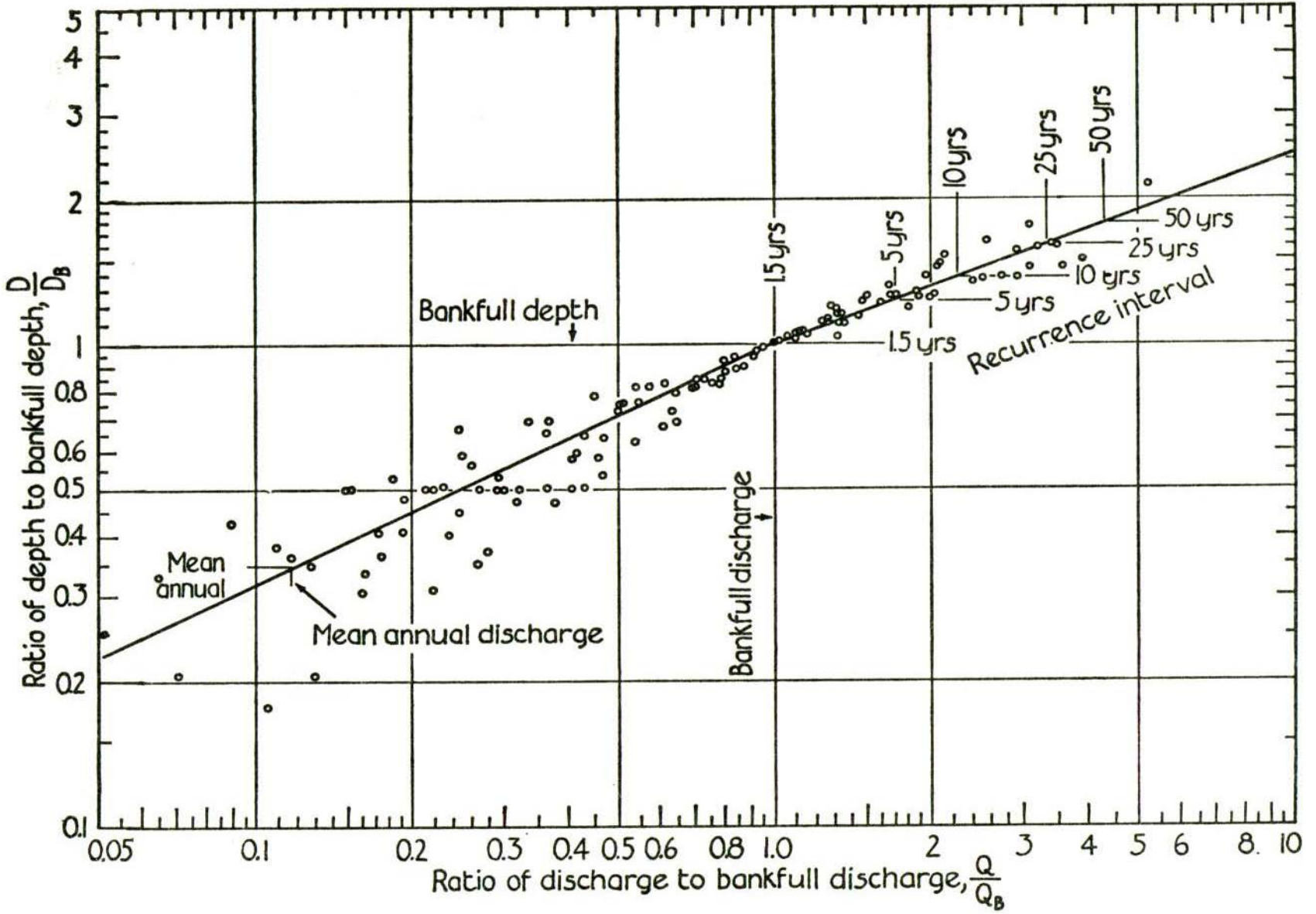


Fig. 11. Comparison of computed effective discharges with the observed bankfull discharges at 15 gaging stations.



Bankfull conditions have a return period averaging 1.5 years