

meters higher mean elevation at West Branch; (5) increased fog drip from a greater area of forest above 1000 meters elevation. However, even in total these factors can account for only a small part of the runoff difference. The single factor that we feel must be responsible is that West Branch basin receives anomalously high orographically-enhanced precipitation, well above and beyond what would be expected from its elevation. We have recently received an enhancement in funding from VMC (starting in

Water Year 2002) to measure precipitation at many points in the area basin to test this

Wemple, B., J.B. Shanley, and J.C. Denner, 2002. Effects of an Alpine Ski Resort on
Hydrology and Water Quality in the North Fork of the Snake River

Field Study [Abs.], EOS, Trans. Amer. Geophys. Union, 83(47), Fall Meet. Suppl.,
Abstract H51B-0813, p. F436.

Table 1. Runoff in millimeters from West Branch and Ranch Brook for Water Years
2001 and 2002.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

DATE 11/11/01 BY 60322 UC/STW

[REDACTED]

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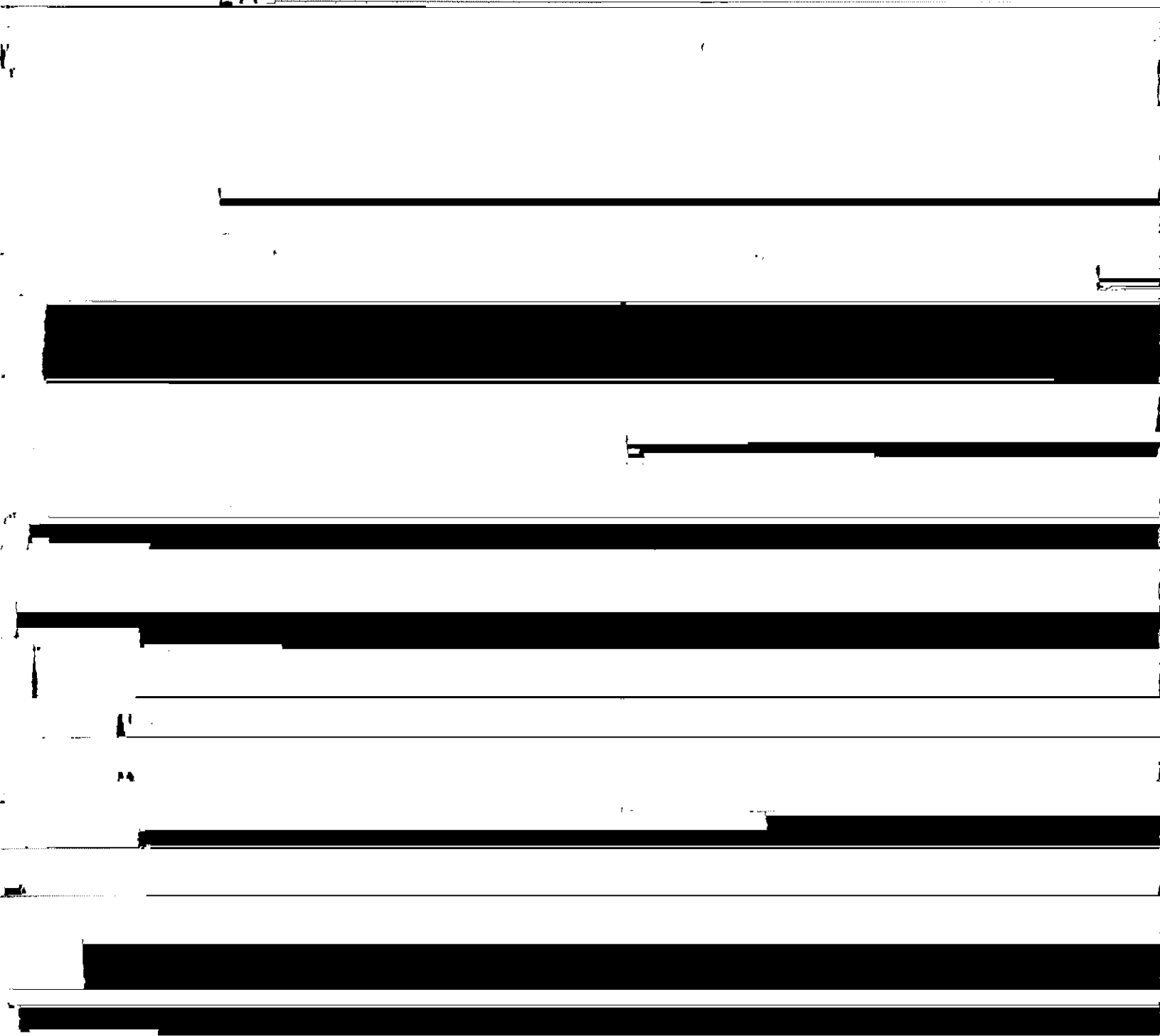
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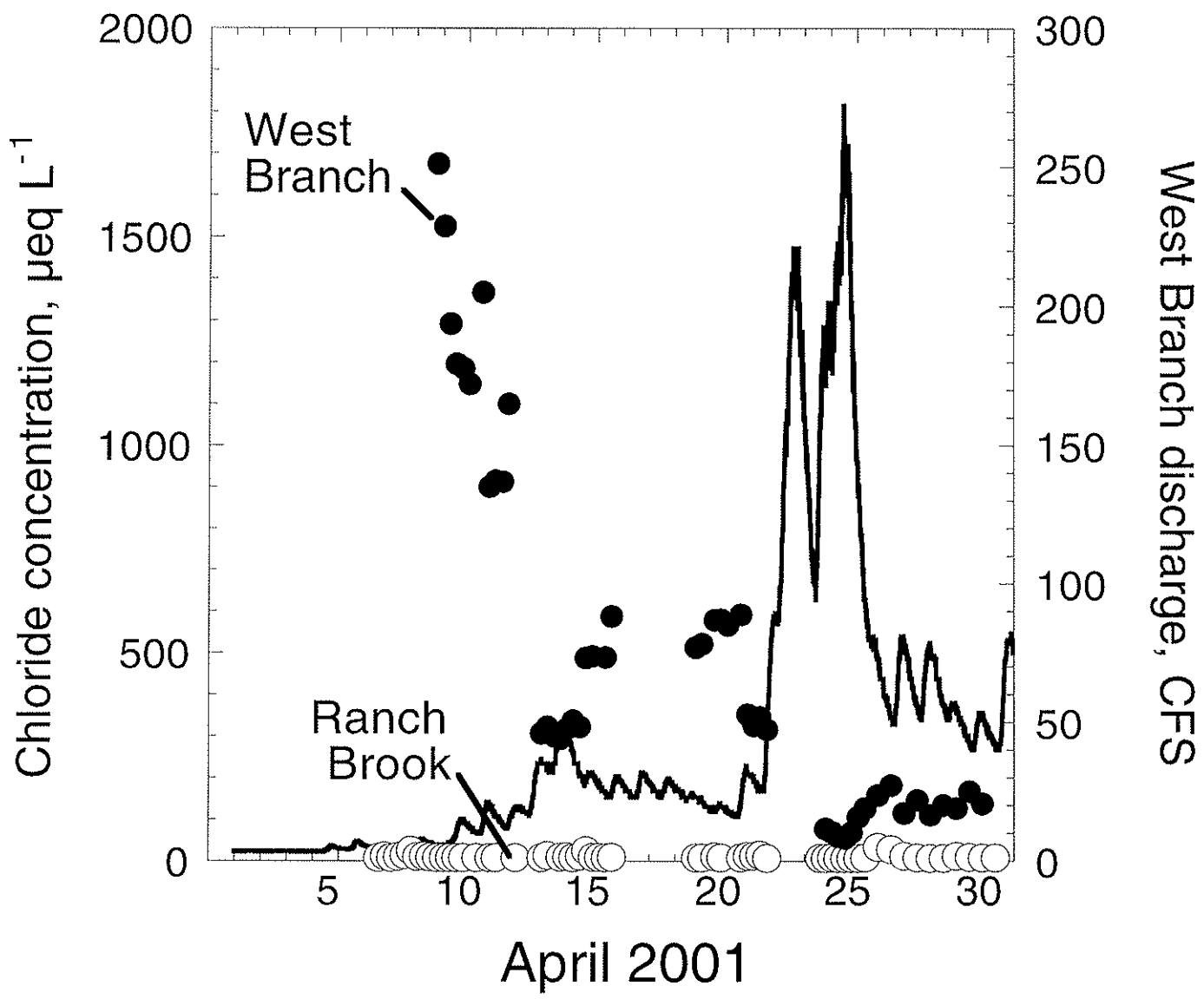
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Regional runoff comparison Water Year 2001

50



Salt in snowmelt runoff



2002-3