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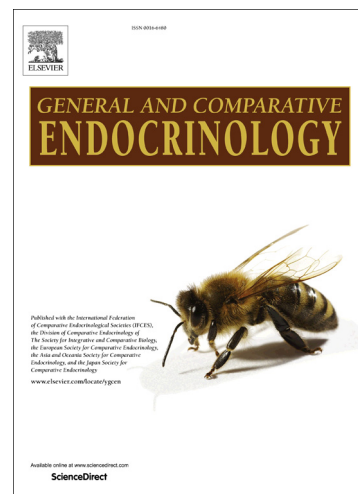
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The occurrence of intersex fishes in Boulder Creek, Colorado, is a recent phenomenon.

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### **Abstract**

Gonads were examined visually and histologically from white sucker (*Catostomus commersoni*) and fathead minnows (*Pimephales promelas*) isolated from museum specimens collected from Boulder Creek, Colorado. These fishes were collected between 42 and 102 years ago before addition of large quantities of estrogenic chemicals via wastewater effluent was reported to disrupt reproductive structures and functions in white suckers living in Boulder Creek downstream of the wastewater treatment facility (WWTF) and in test exposures of fathead minnows to wastewater effluent at the WWTF. No evidence of abnormal external gonad appearance or histology (e.g., testicular oocytes, mixed gonadal tissue) were observed in male or female museum specimens of either species supporting the conclusion that observations of reproductive abnormalities, feminization, demasculinization, and altered sex ratios are recent phenomena.

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