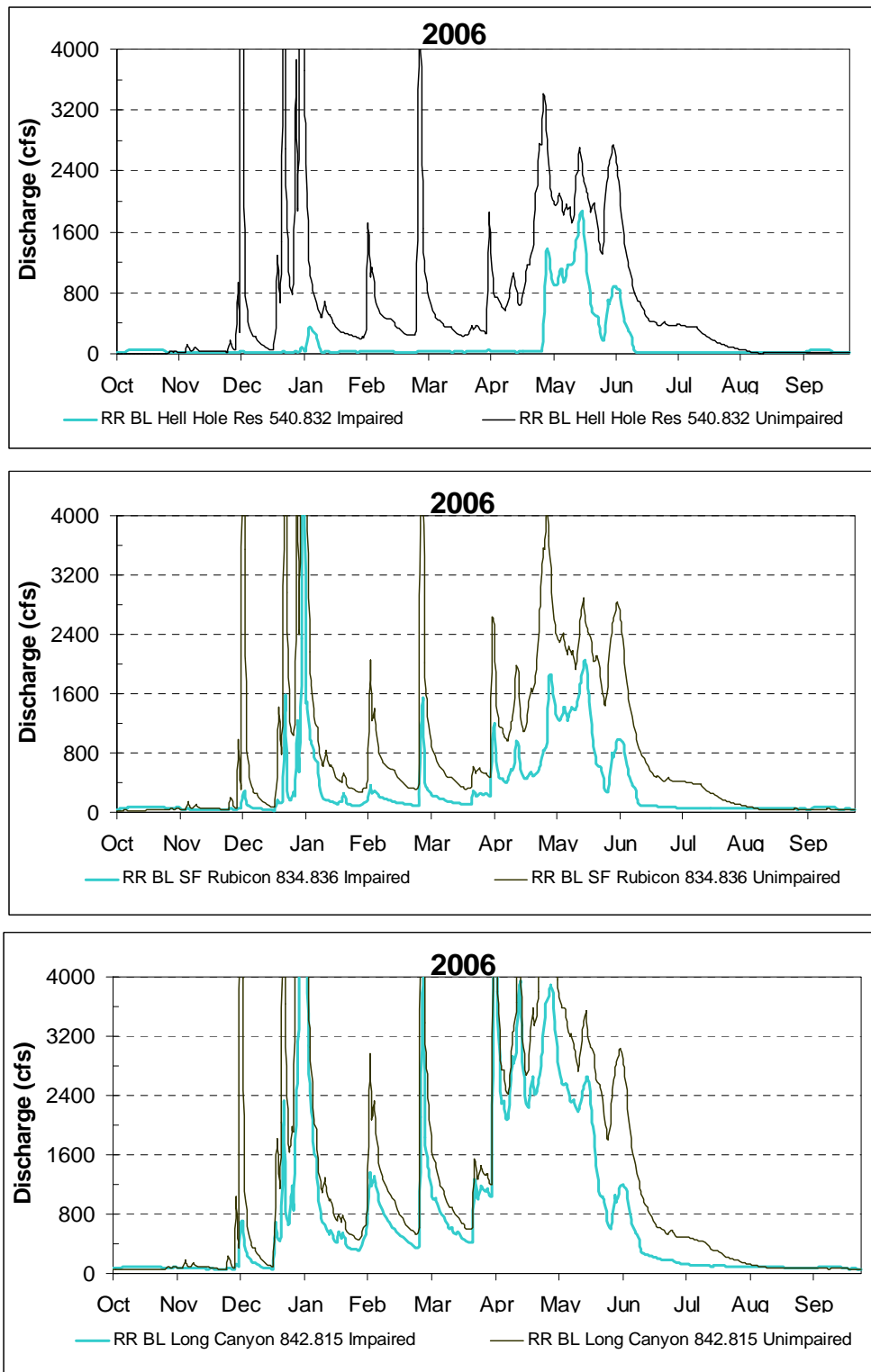


## **APPENDIX B1**

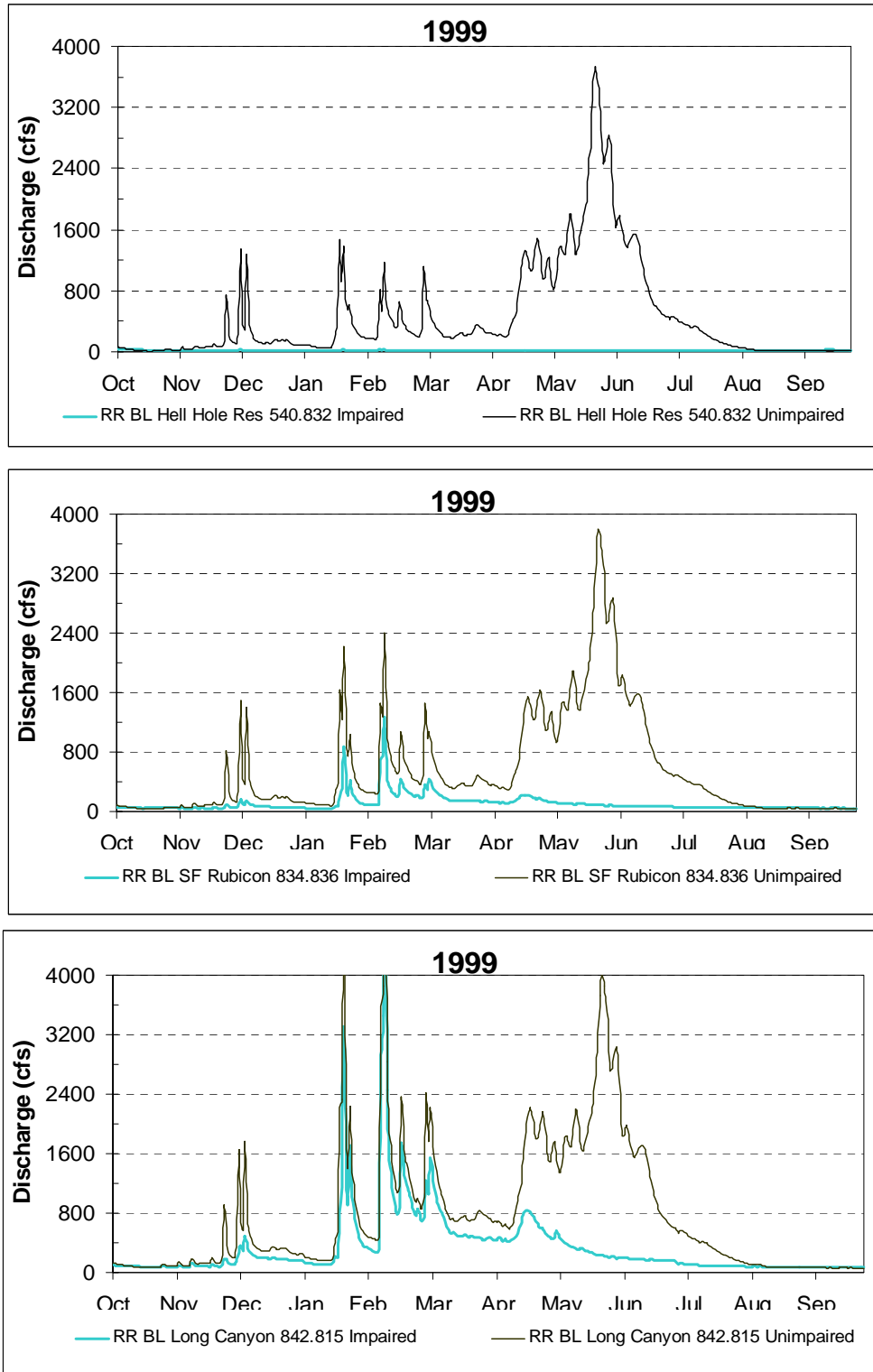
### **Example Hydrographs Showing Impaired and Unimpaired Flows at the Top and Bottom of the Bypass and Peaking Reaches**

## **Rubicon River**

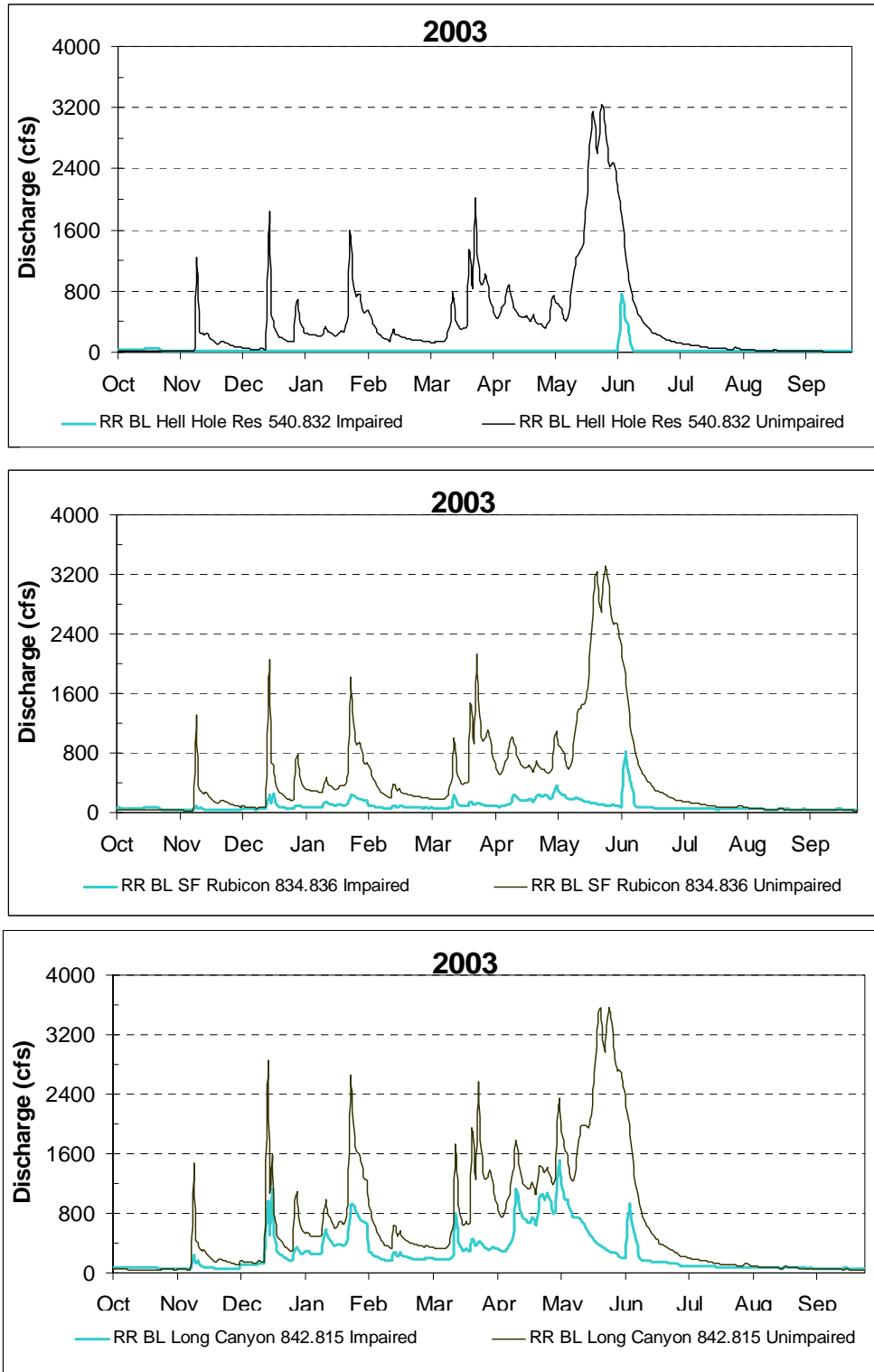
**Figure B1-1. Rubicon River example wet water year (2006) flows below Hell Hole Reservoir (top), downstream of South Fork Rubicon River (middle), and downstream of Long Canyon Creek (bottom).**



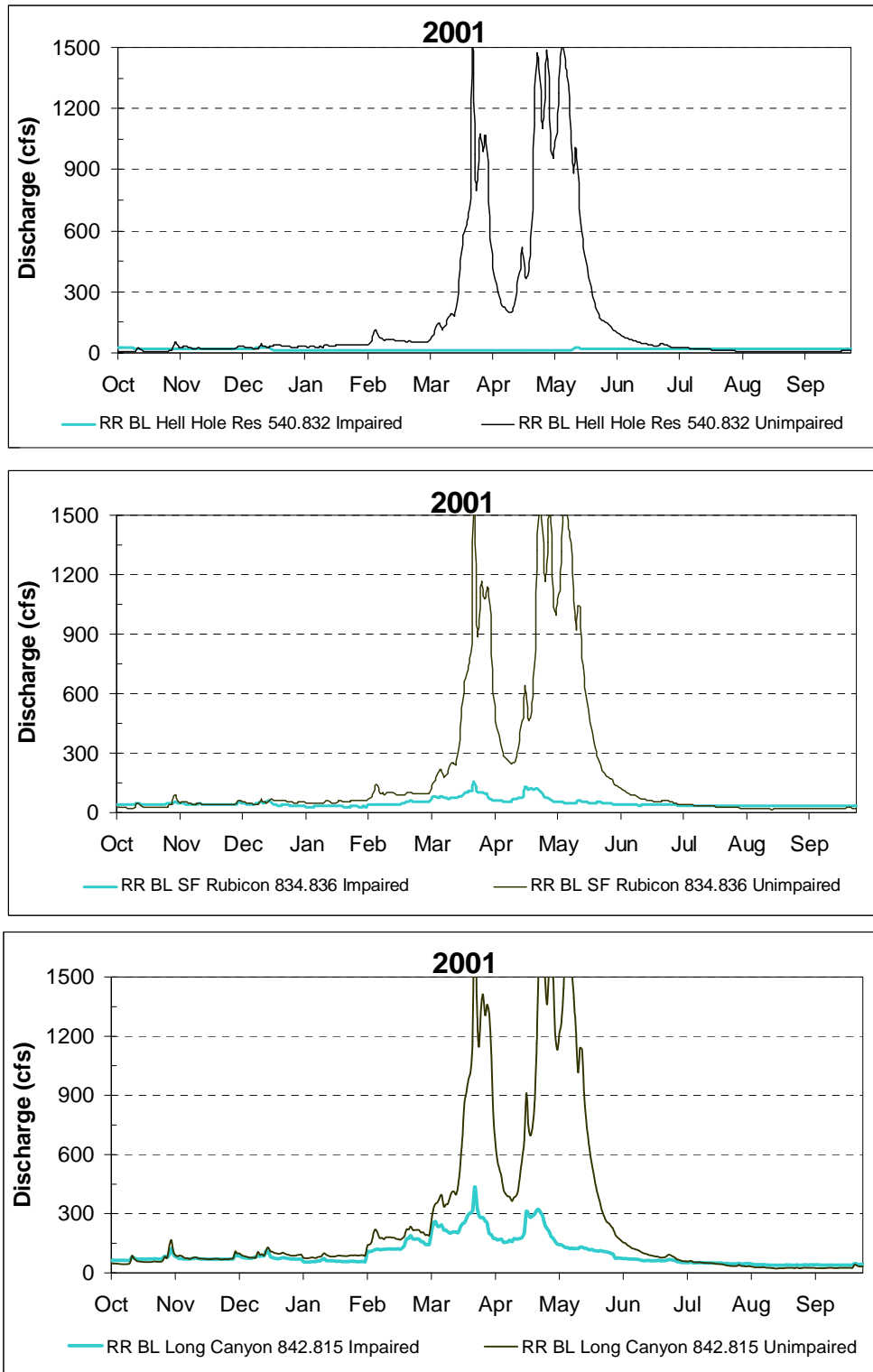
**Figure B1-2. Rubicon River example above normal water year (1999) flows below Hell Hole Reservoir (top), downstream of South Fork Rubicon River (middle), and downstream of Long Canyon Creek (bottom).**



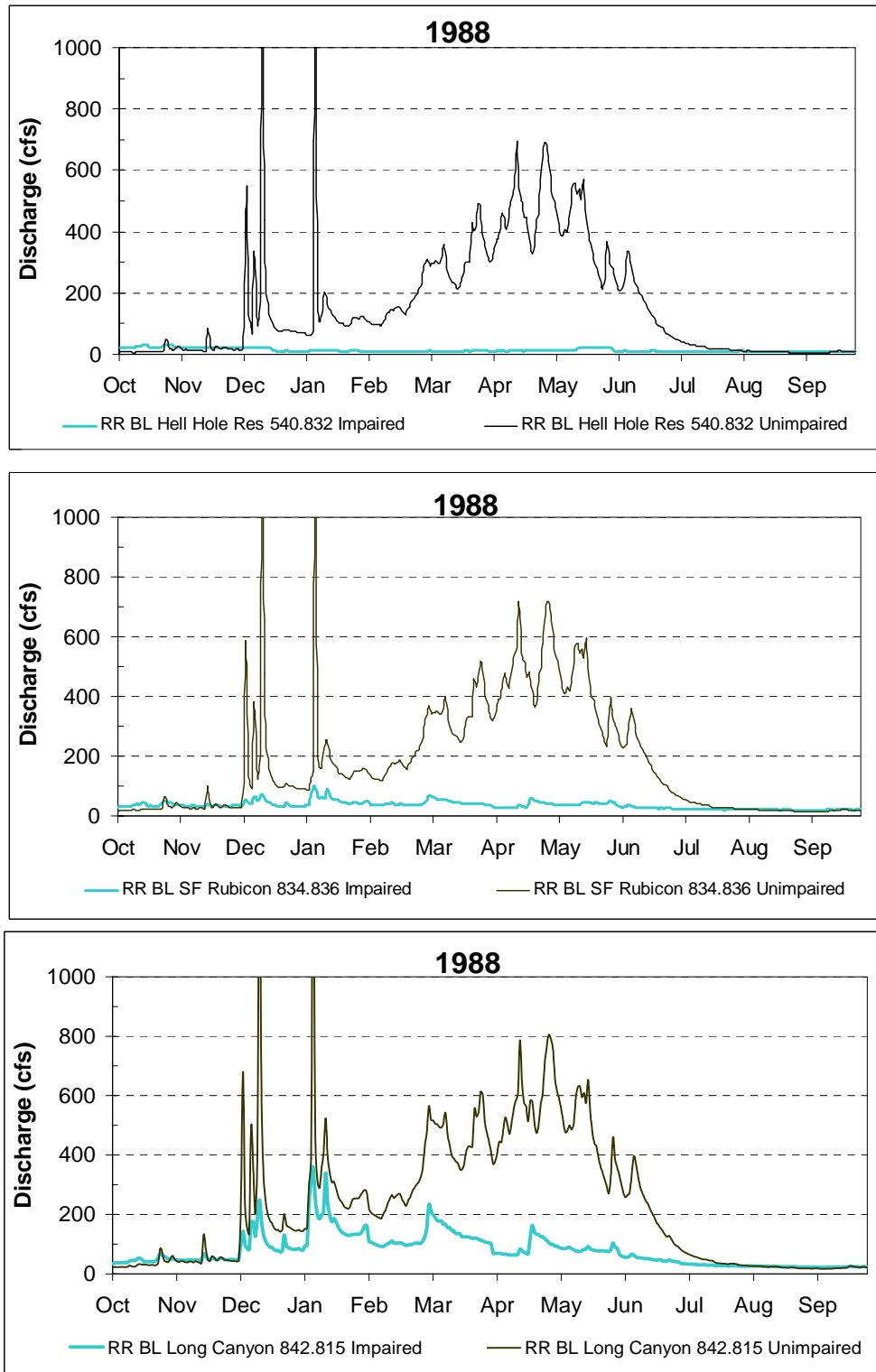
**Figure B1-3. Rubicon River example below normal water year (2003) flows below Hell Hole Reservoir (top), downstream of South Fork Rubicon River (middle), and downstream of Long Canyon Creek (bottom).**



**Figure B1-4. Rubicon River example dry water year (2001) flows below Hell Hole Reservoir (top), downstream of South Fork Rubicon River (middle), and downstream of Long Canyon Creek (bottom).**



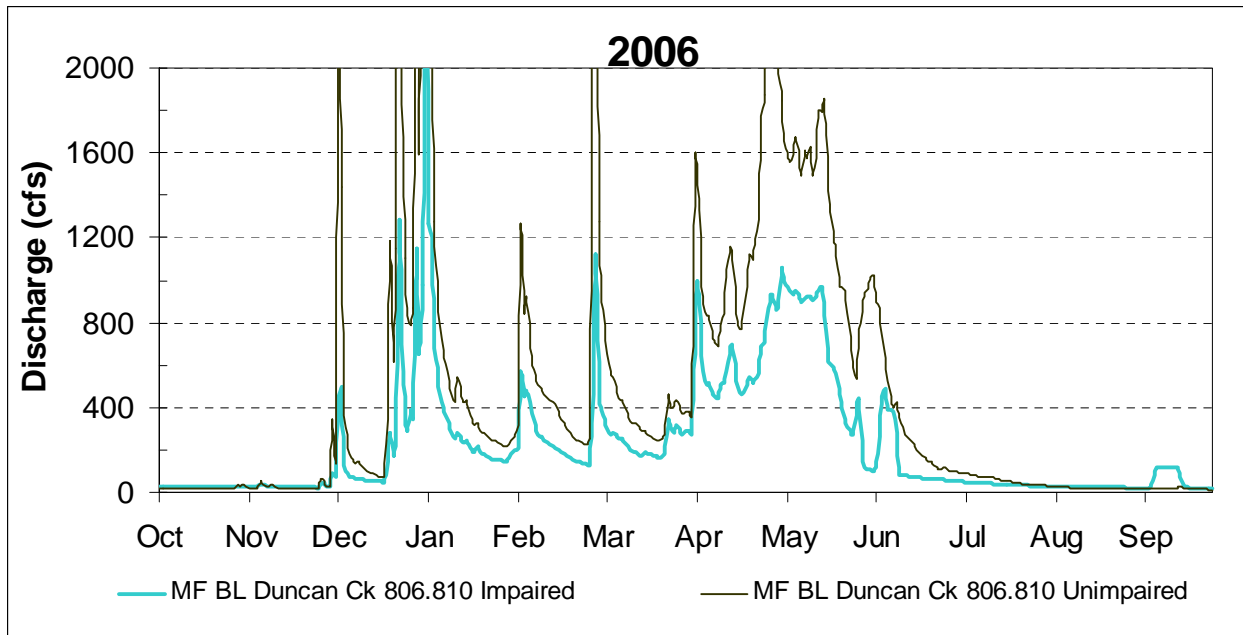
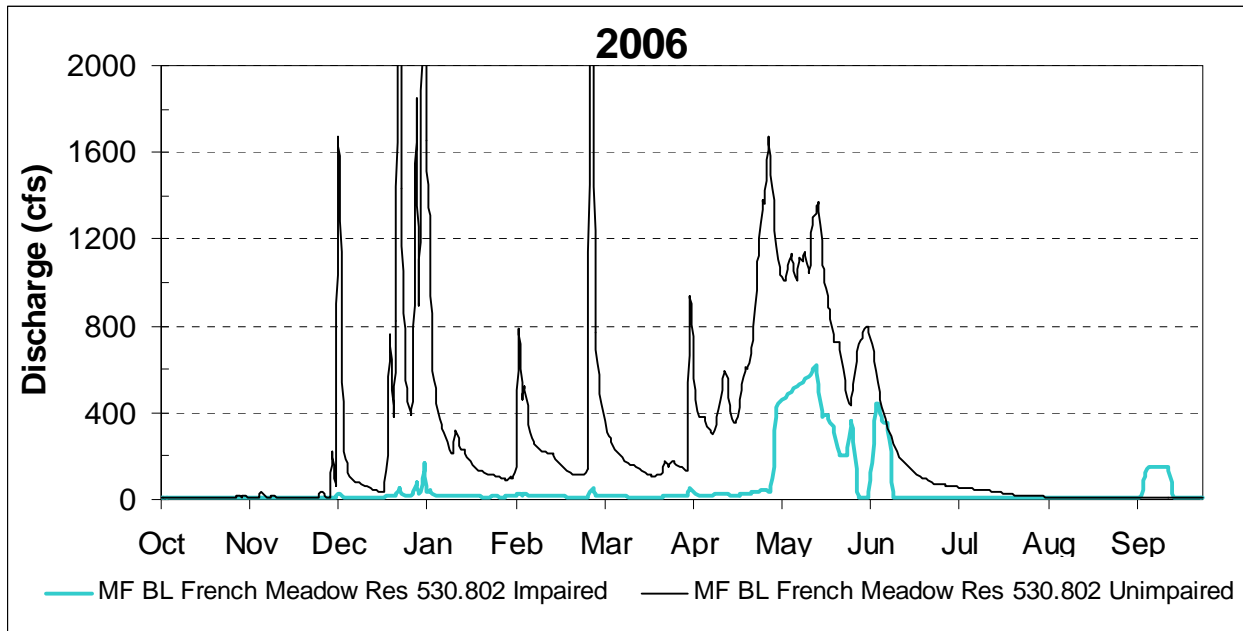
**Figure B1-5. Rubicon River critical dry water year (1988) flows below Hell Hole Reservoir (top), downstream of South Fork Rubicon River (middle), and downstream of Long Canyon Creek (bottom).**



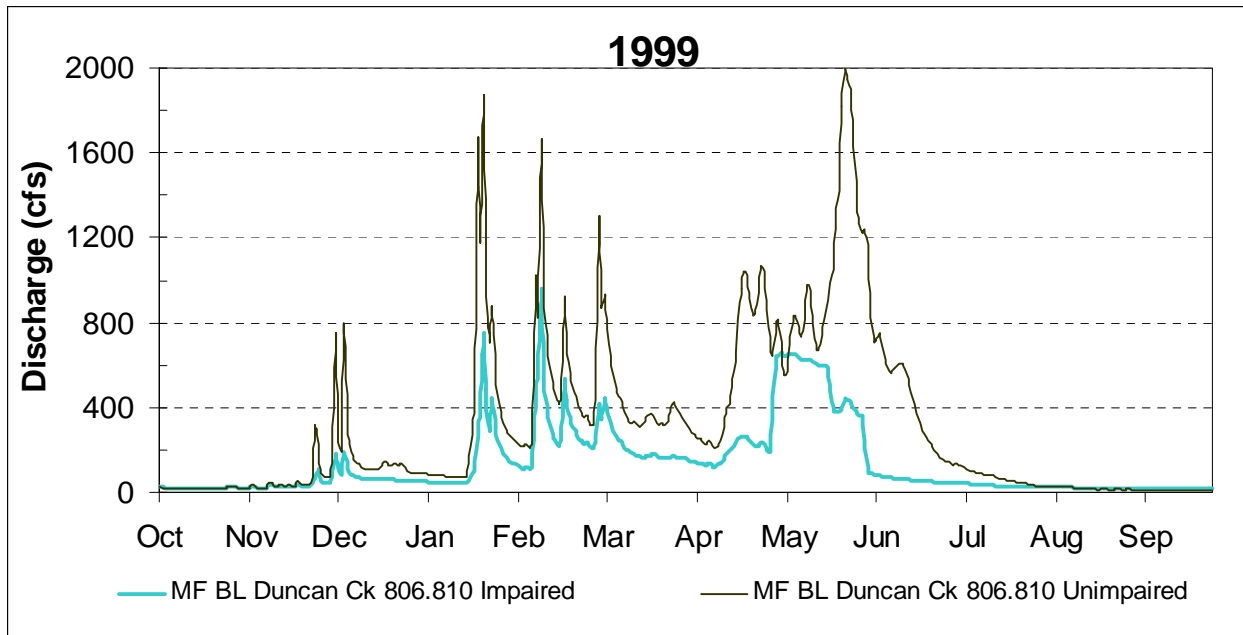
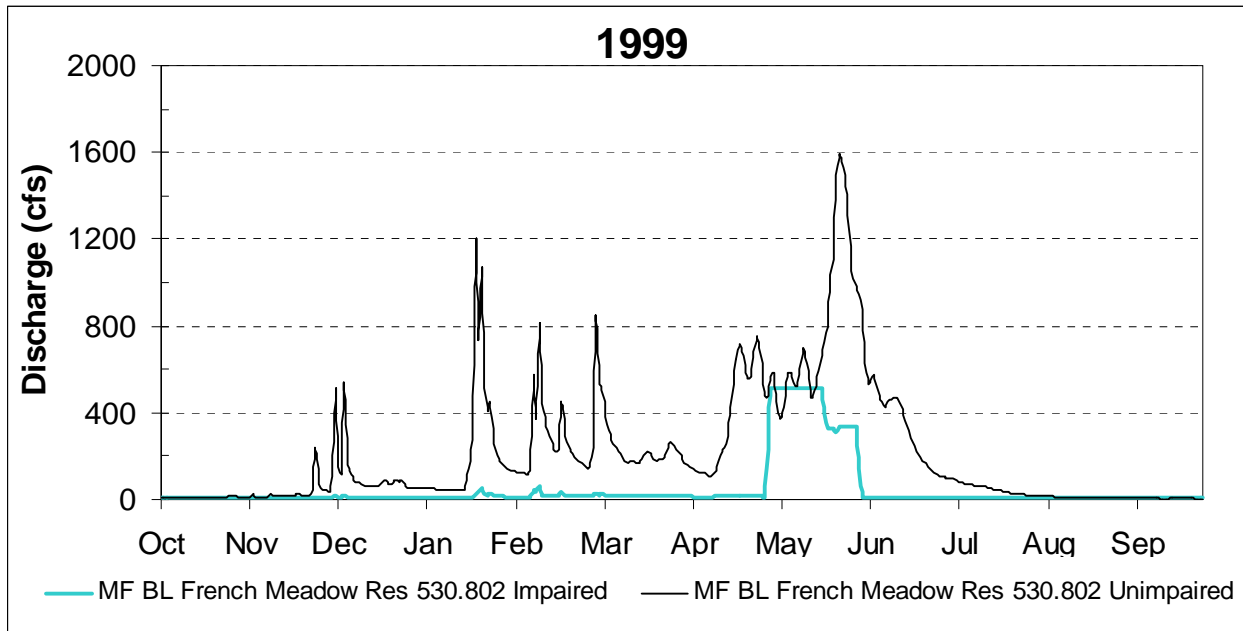
## **Middle Fork American River**



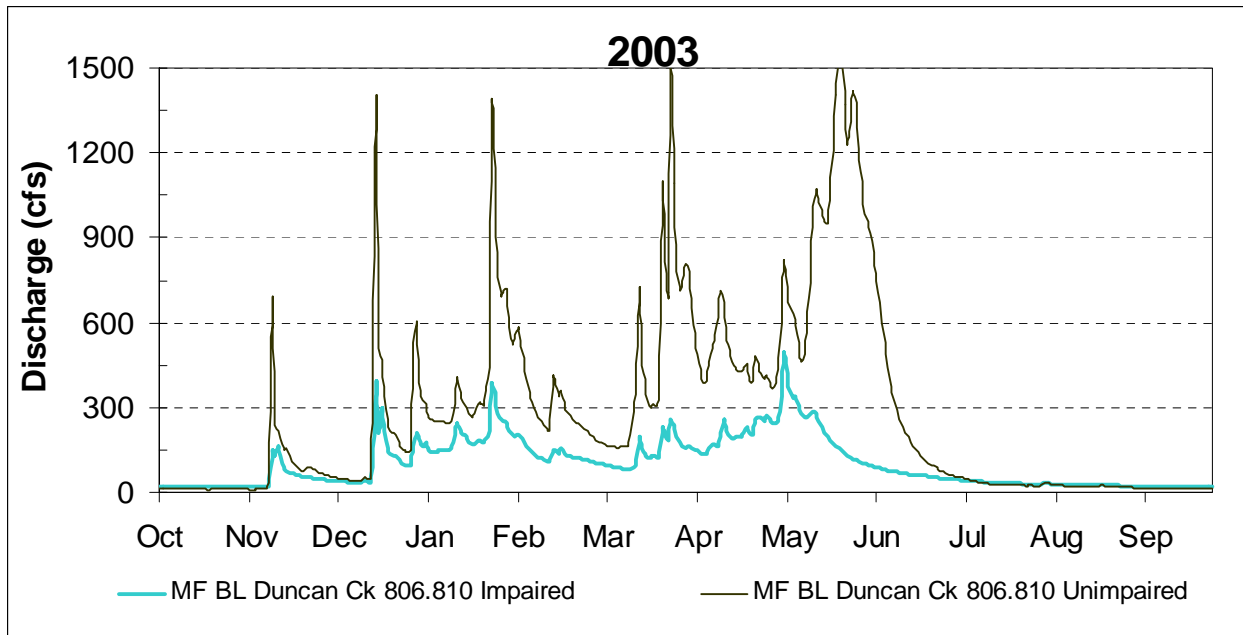
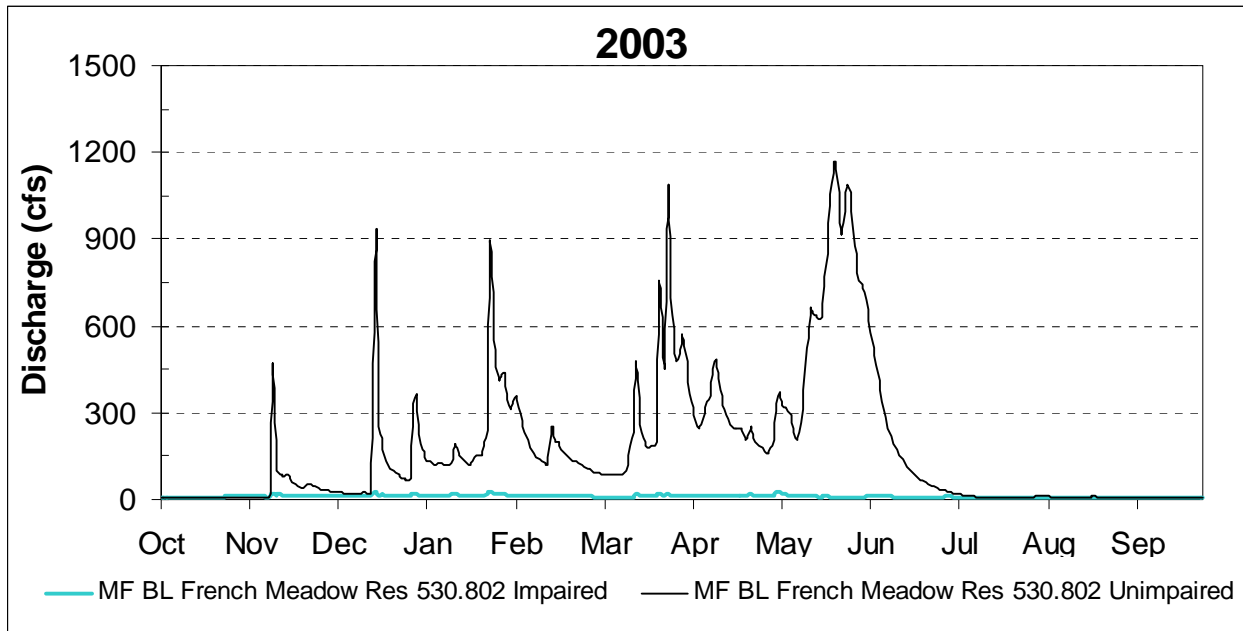
**Figure B1-6. Middle Fork American River example wet water year (2006) flows below French Meadows Reservoir (top) and at the bottom of the reach upstream of Middle Fork Interbay (bottom).**



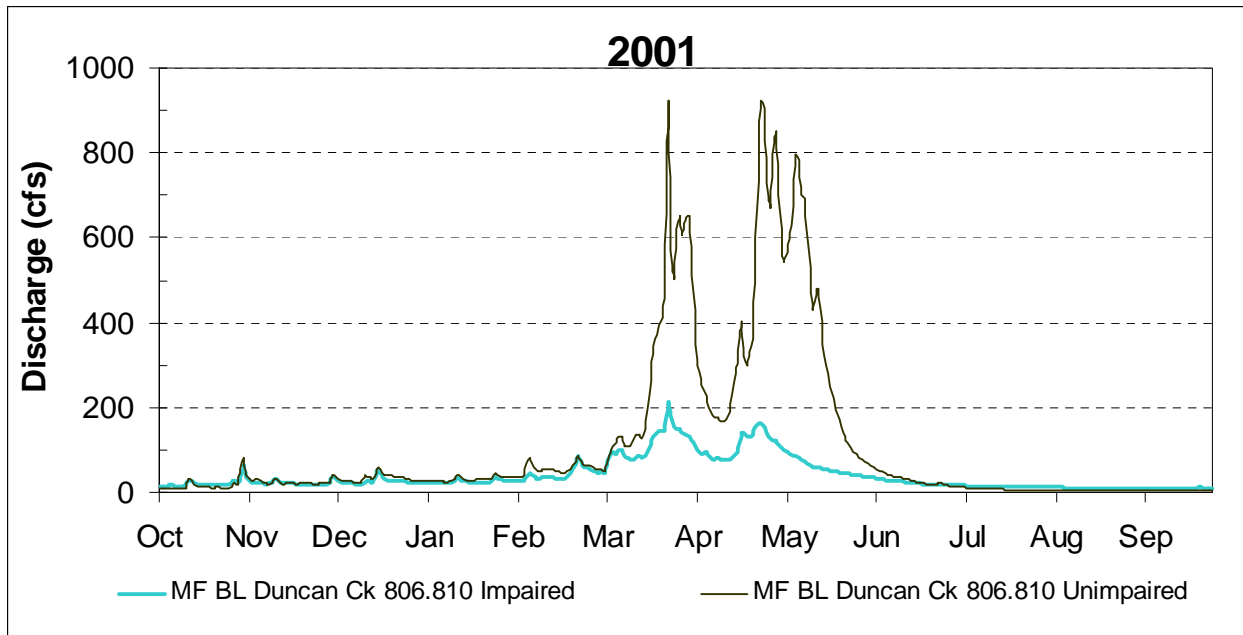
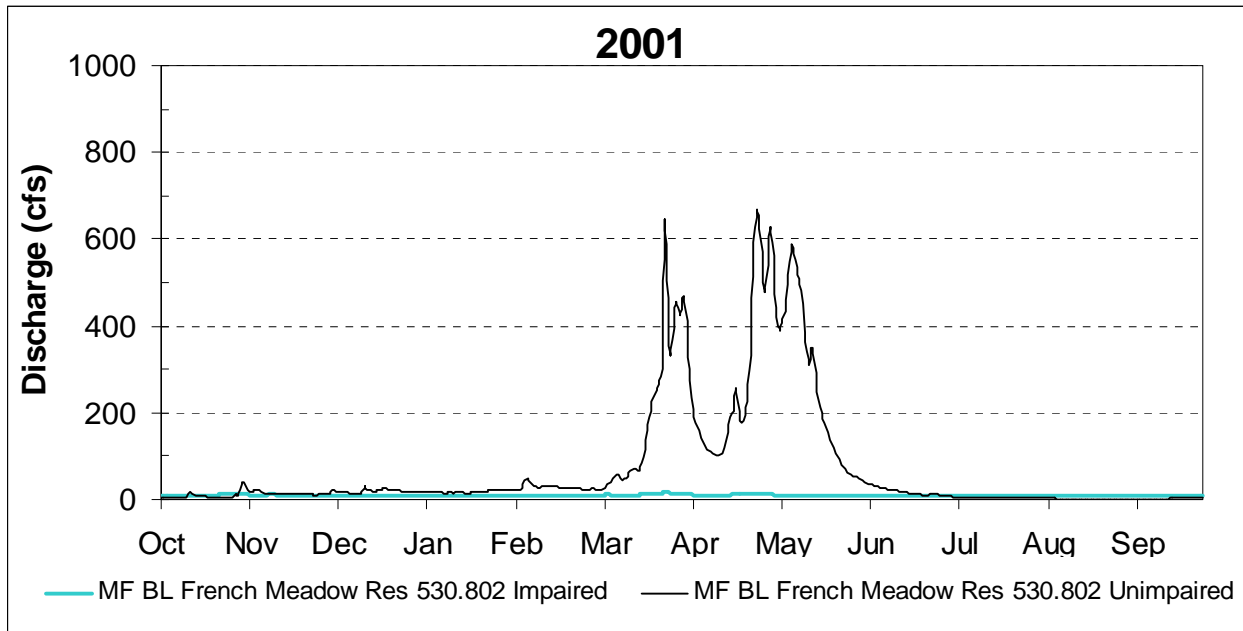
**Figure B1-7. Middle Fork American River example above normal water year (1999) flows below French Meadows Reservoir (top) and at the bottom of the reach upstream of Middle Fork Interbay (bottom).**



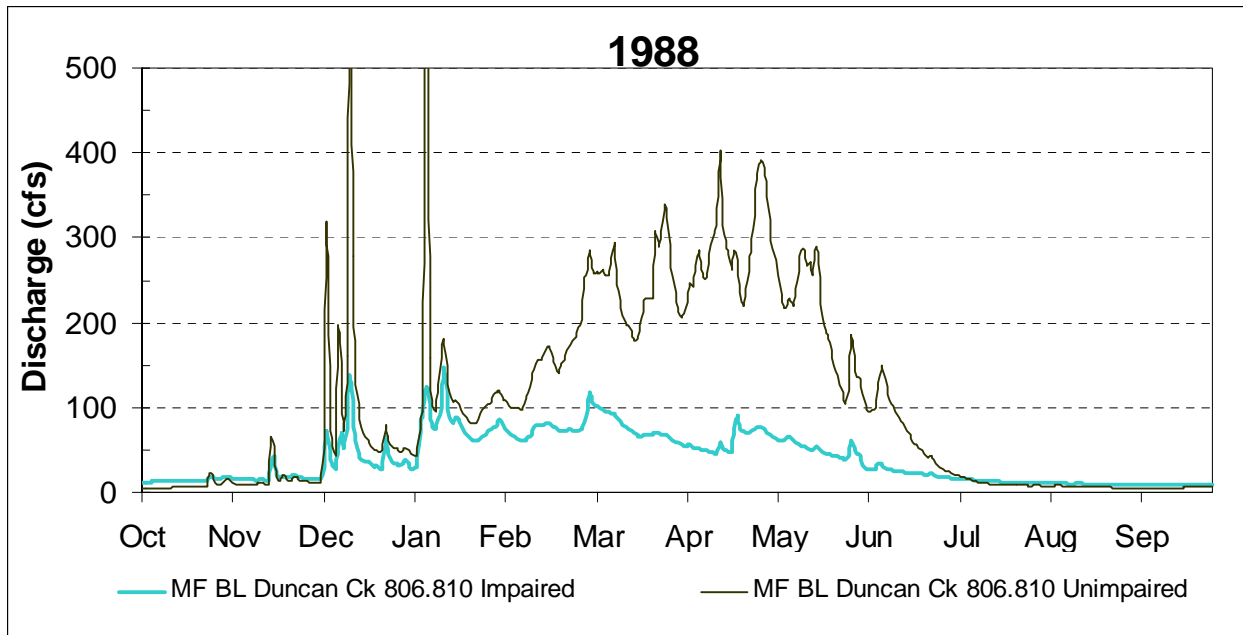
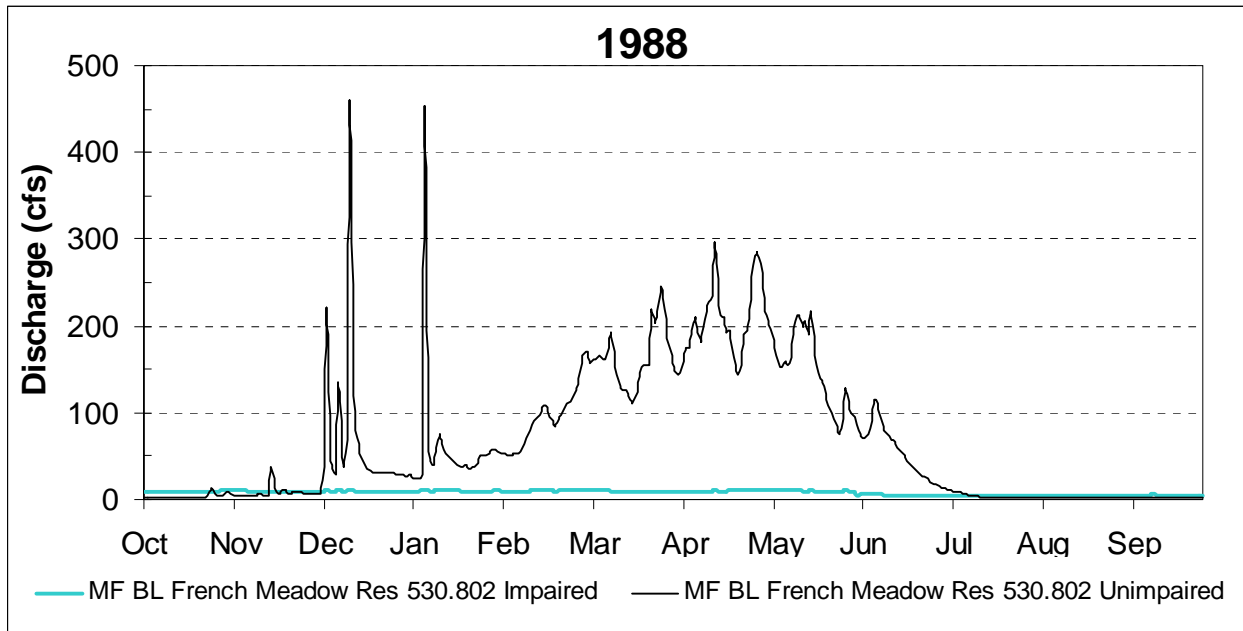
**Figure B1-8 Middle Fork American River example below normal water year (2003) flows below French Meadows Reservoir (top) and at the bottom of the reach upstream of Middle Fork Interbay (bottom).**



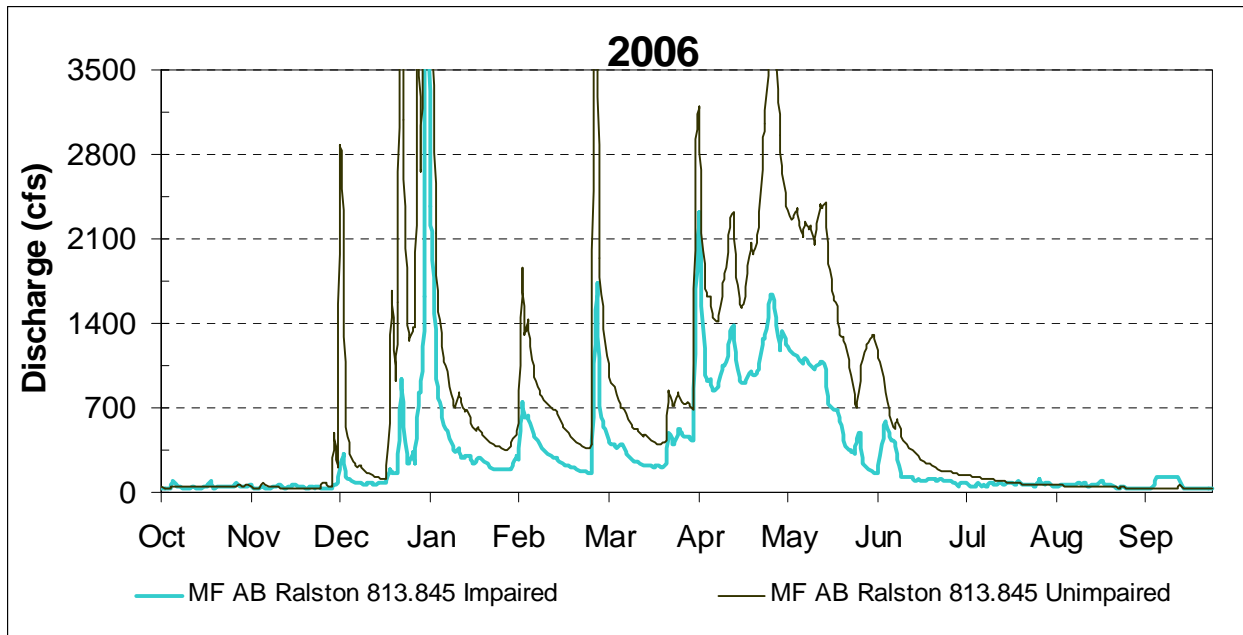
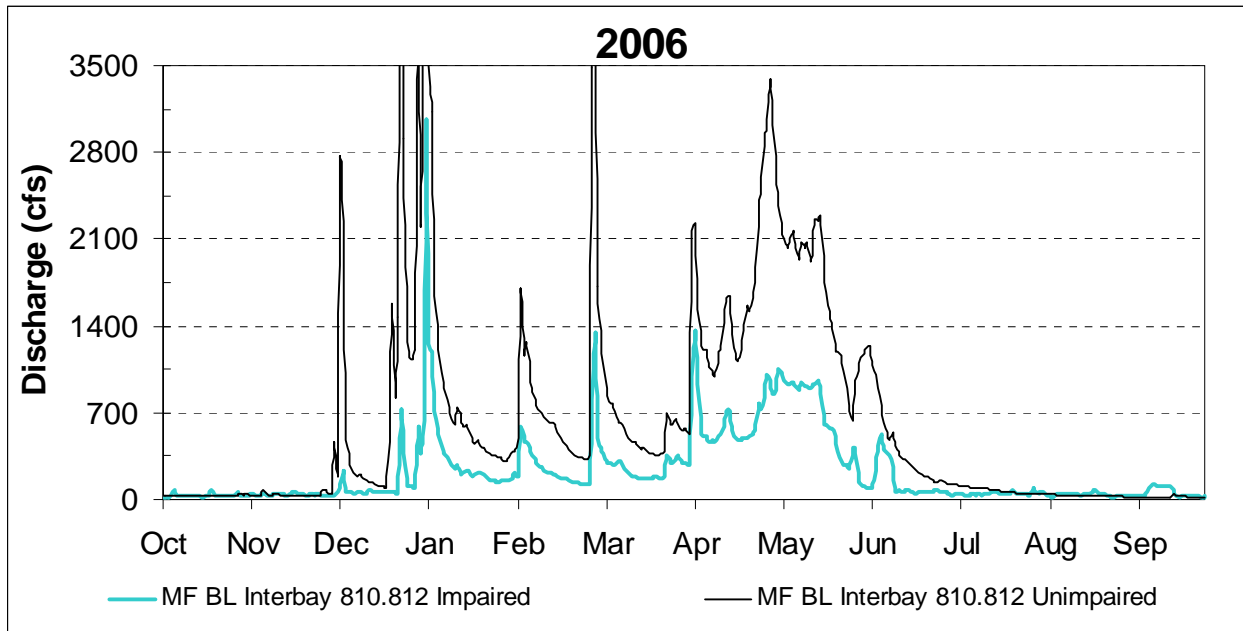
**Figure B1-9. Middle Fork American River example dry water year (2001) flows below French Meadows Reservoir (top) and at the bottom of the reach upstream of Middle Fork Interbay (bottom).**



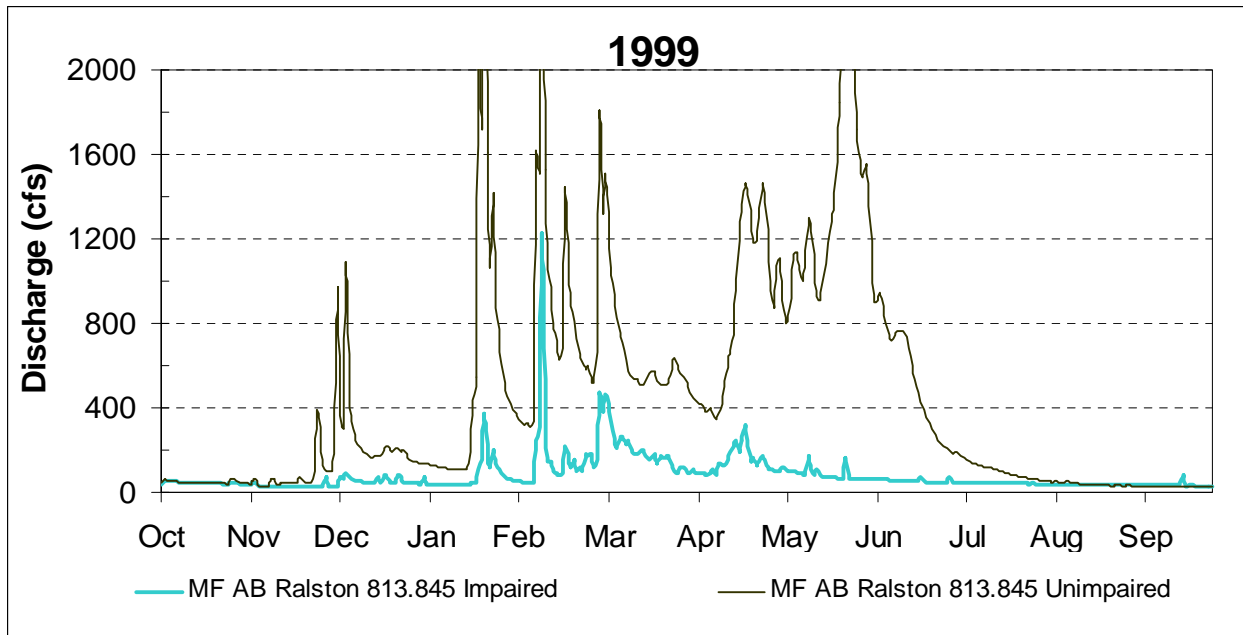
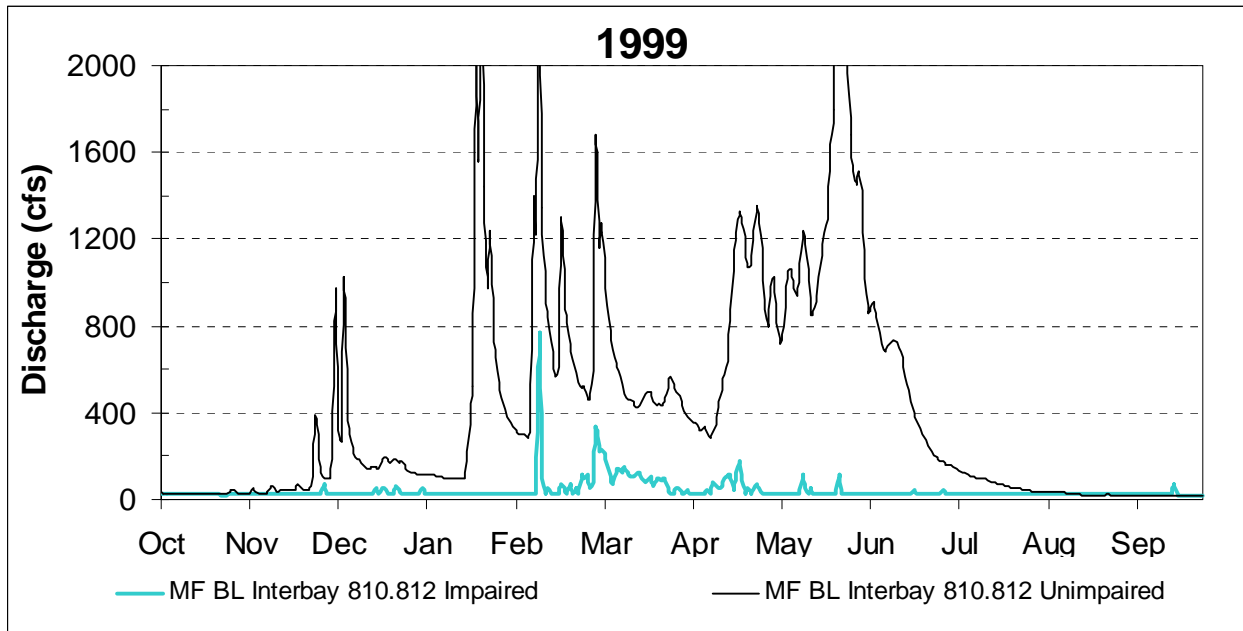
**Figure B1-10. Middle Fork American River critical dry water year (1998) flows below French Meadows Reservoir (top) and at the bottom of the reach upstream of Middle Fork Interbay (bottom).**



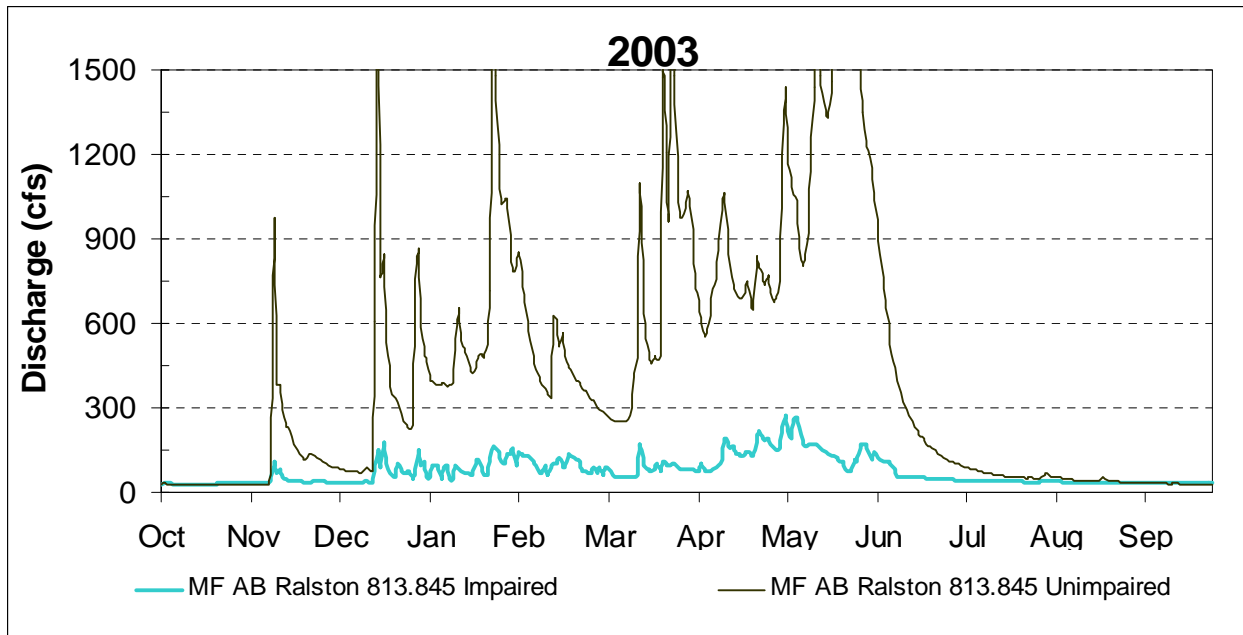
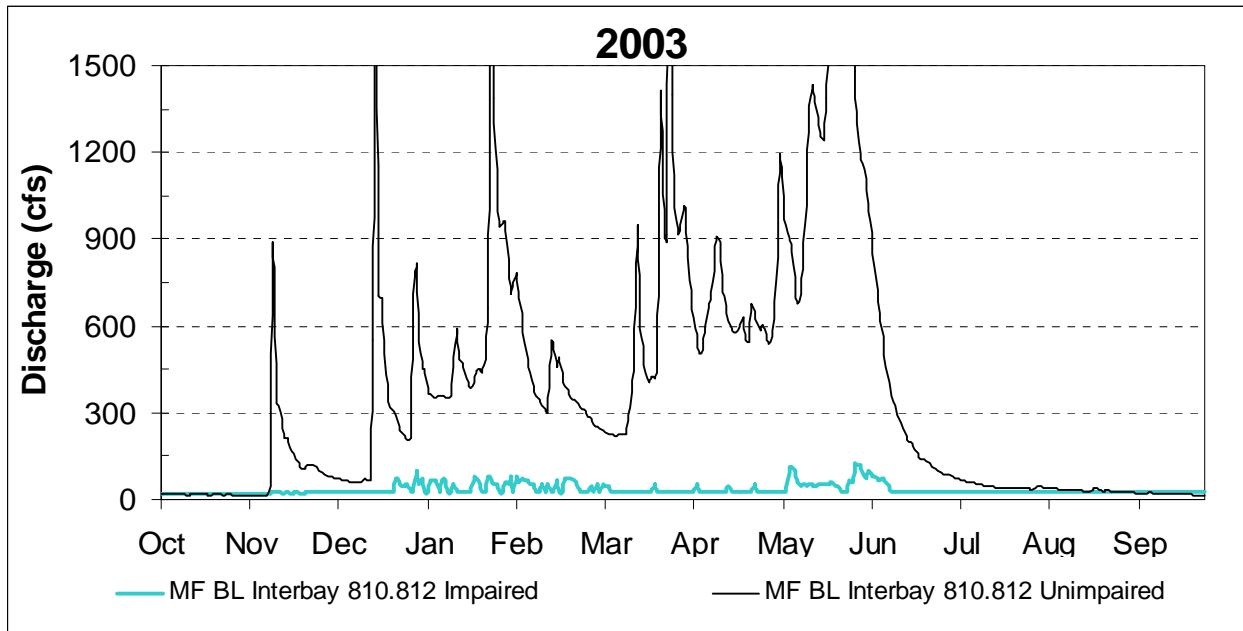
**Figure B1-11. Middle Fork American River example wet water year (2006) flows below Middle Fork Interbay (top) and at the bottom of the reach upstream of Ralston Afterbay (bottom).**



**Figure B1-12. Middle Fork American River example above normal water year (1999) flows below Middle Fork Interbay (top) and at the bottom of the reach upstream of Ralston Afterbay (bottom).**

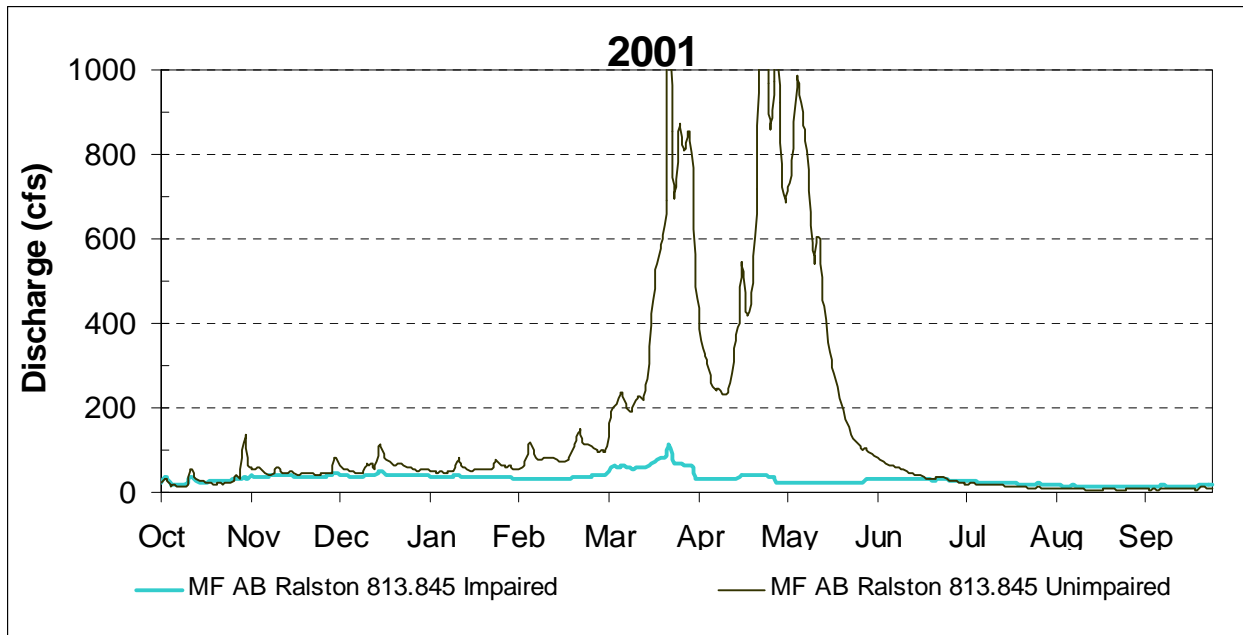
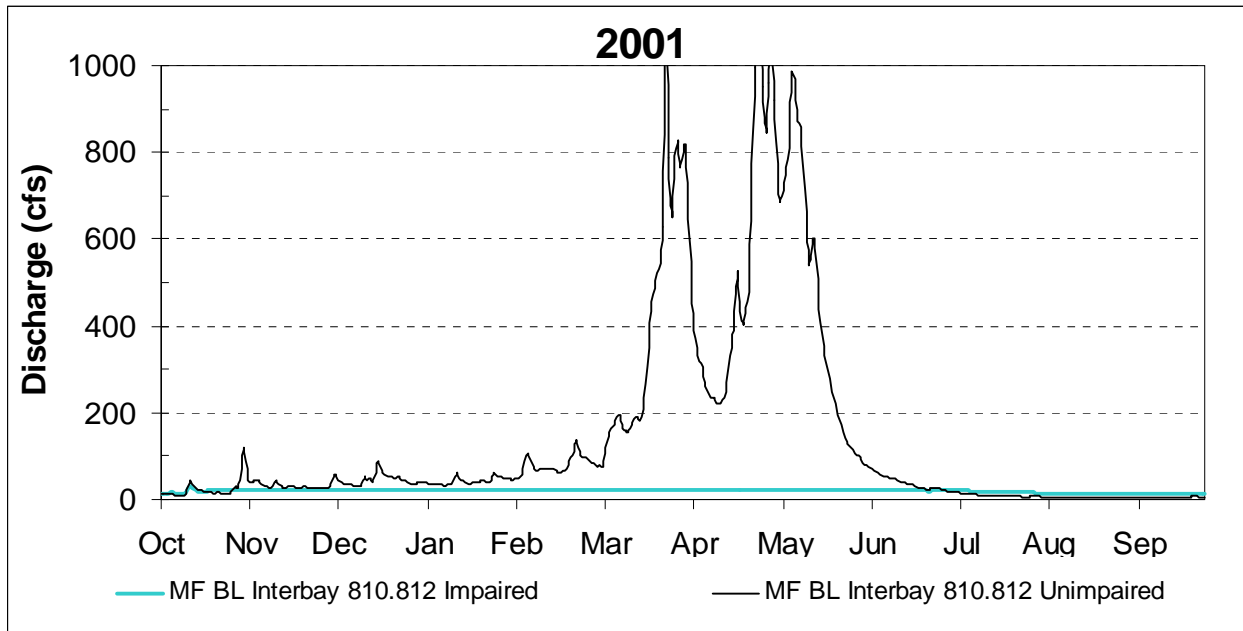


**Figure B1-13. Middle Fork American River example below normal water year (2003) flows below Middle Fork Interbay (top) and at the bottom of the reach upstream of Ralston Afterbay (bottom).**

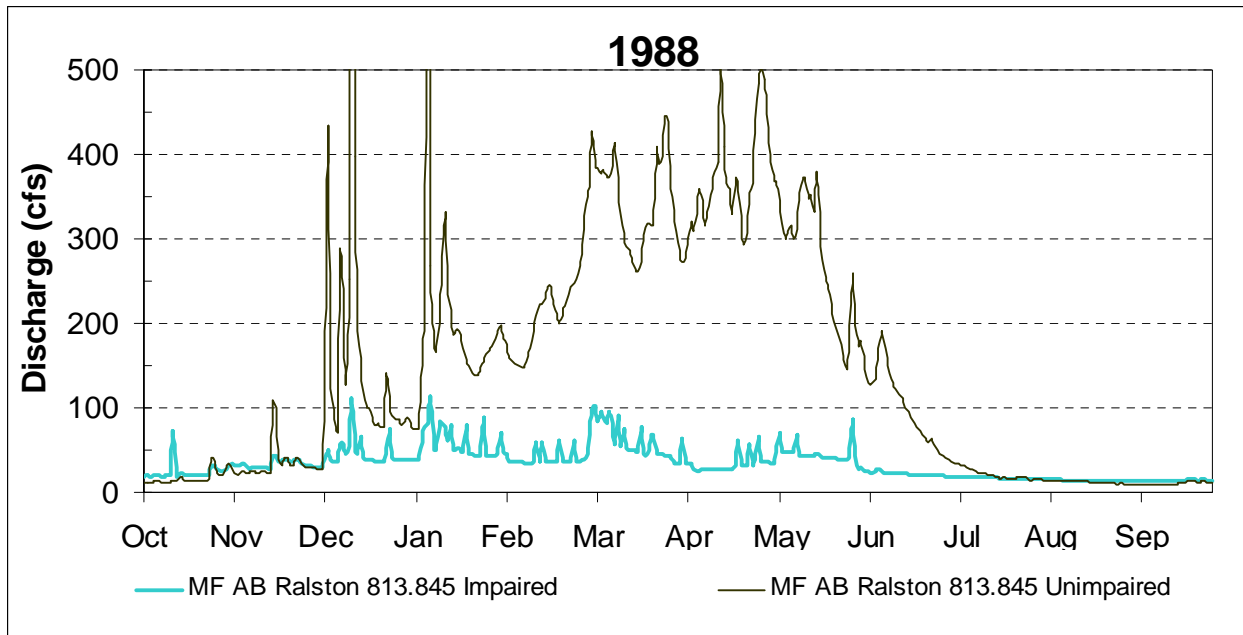
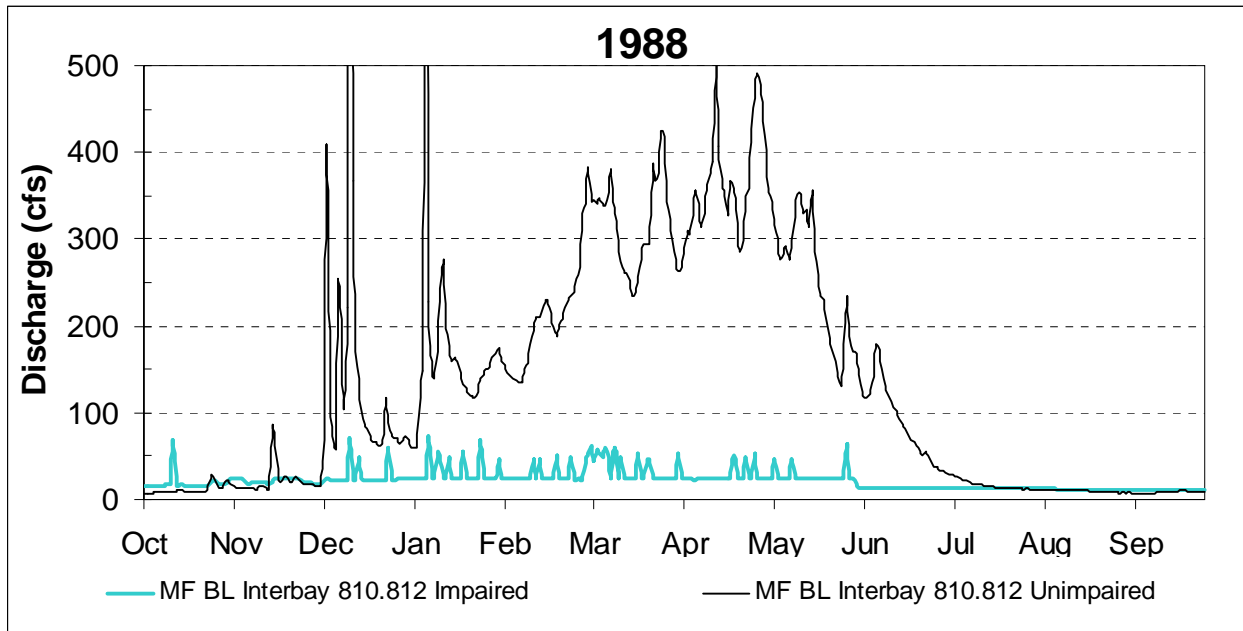




**Figure B1-14. Middle Fork American River example dry water year (2001) flows below Middle Fork Interbay (top) and at the bottom of the reach upstream of Ralston Afterbay (bottom).**

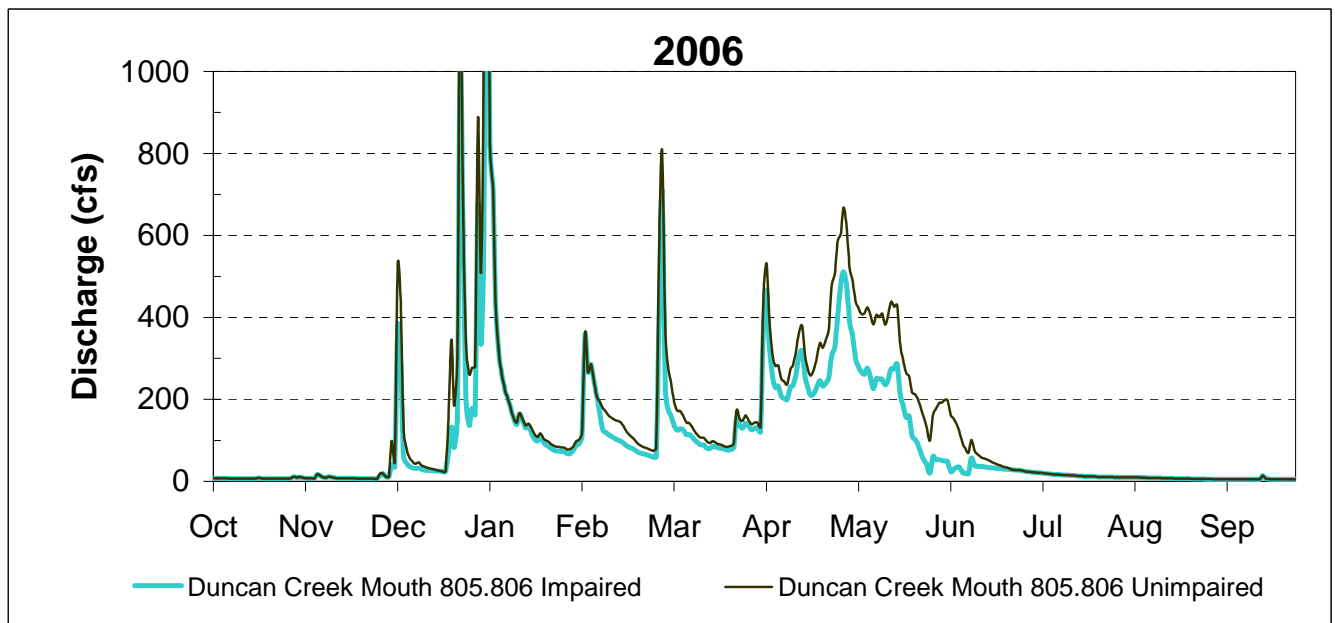
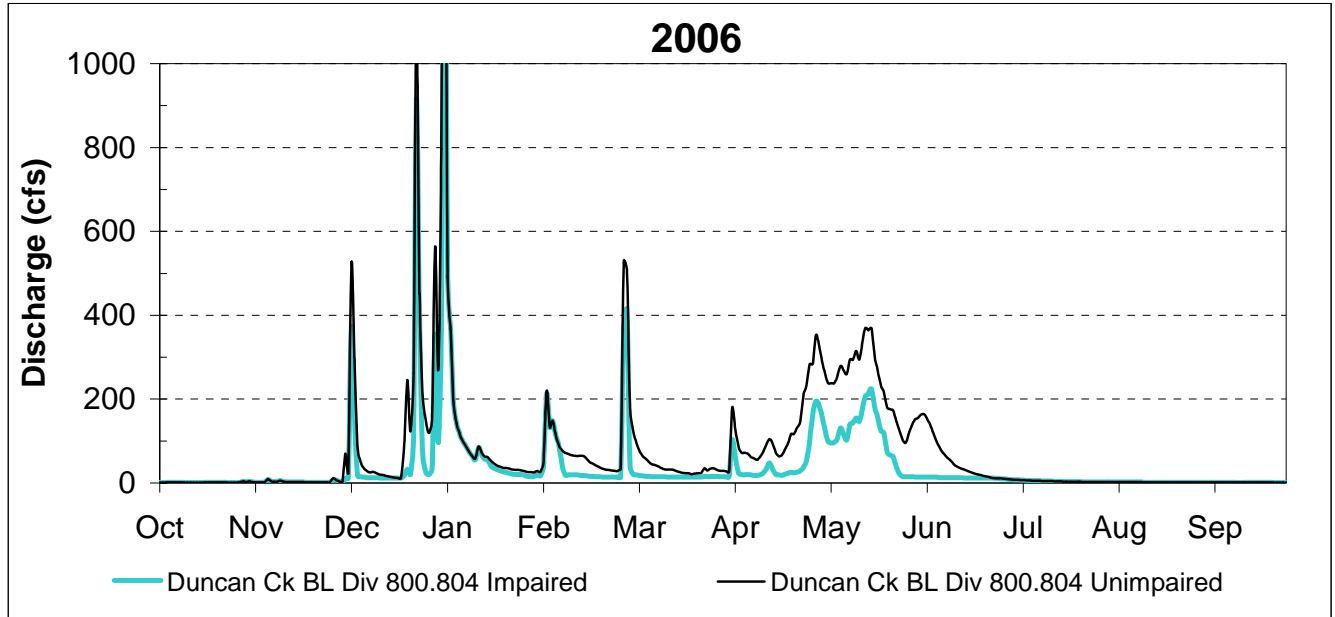


**Figure B1-15. Middle Fork American River critical dry water year (1988) flows below Middle Fork Interbay (top) and at the bottom of the reach upstream of Ralston Afterbay (bottom).**

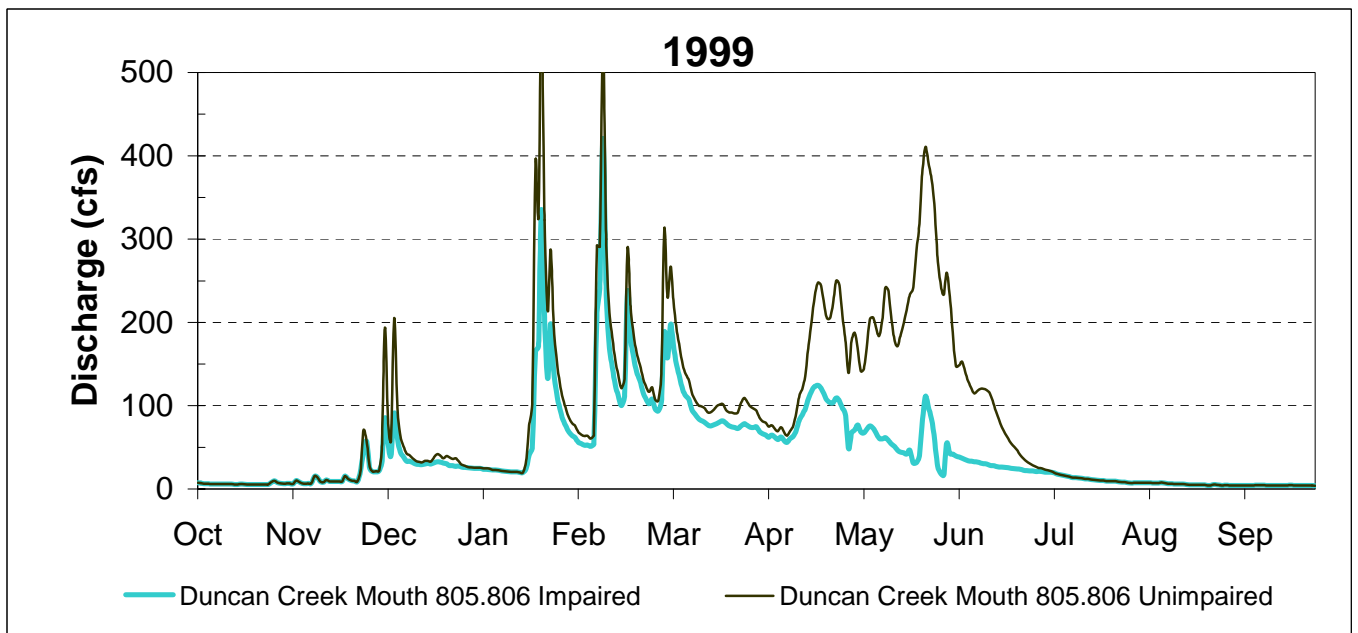
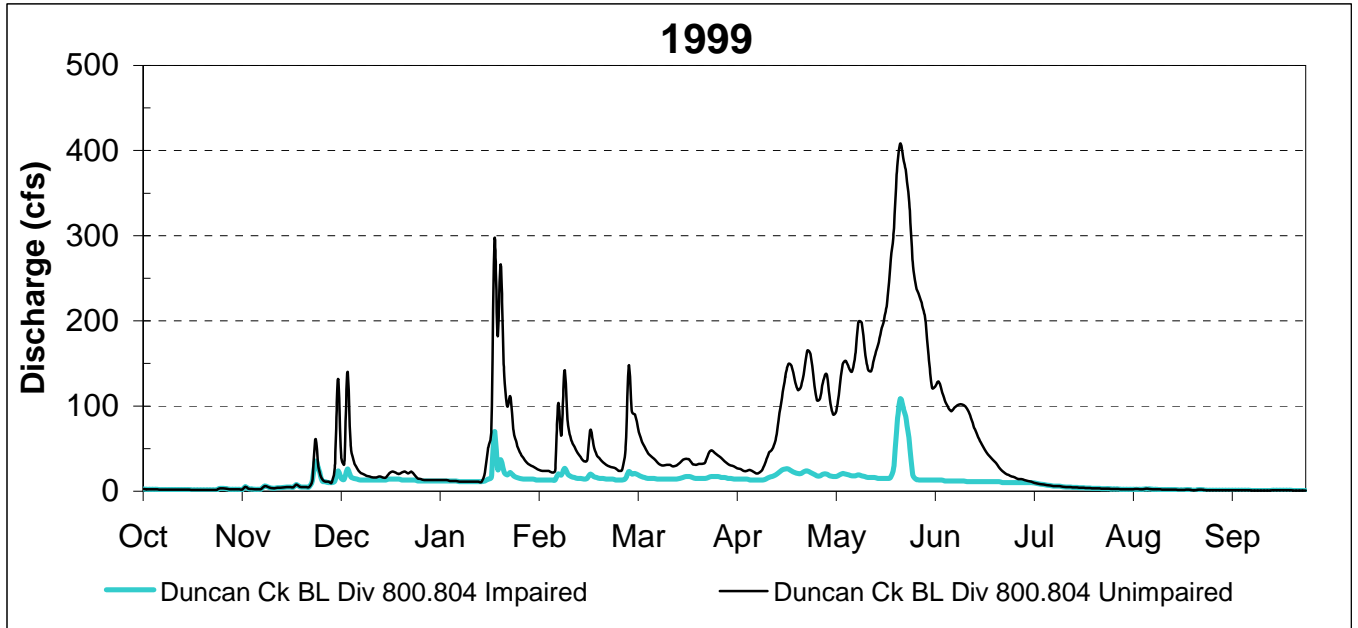


## **Duncan Creek**

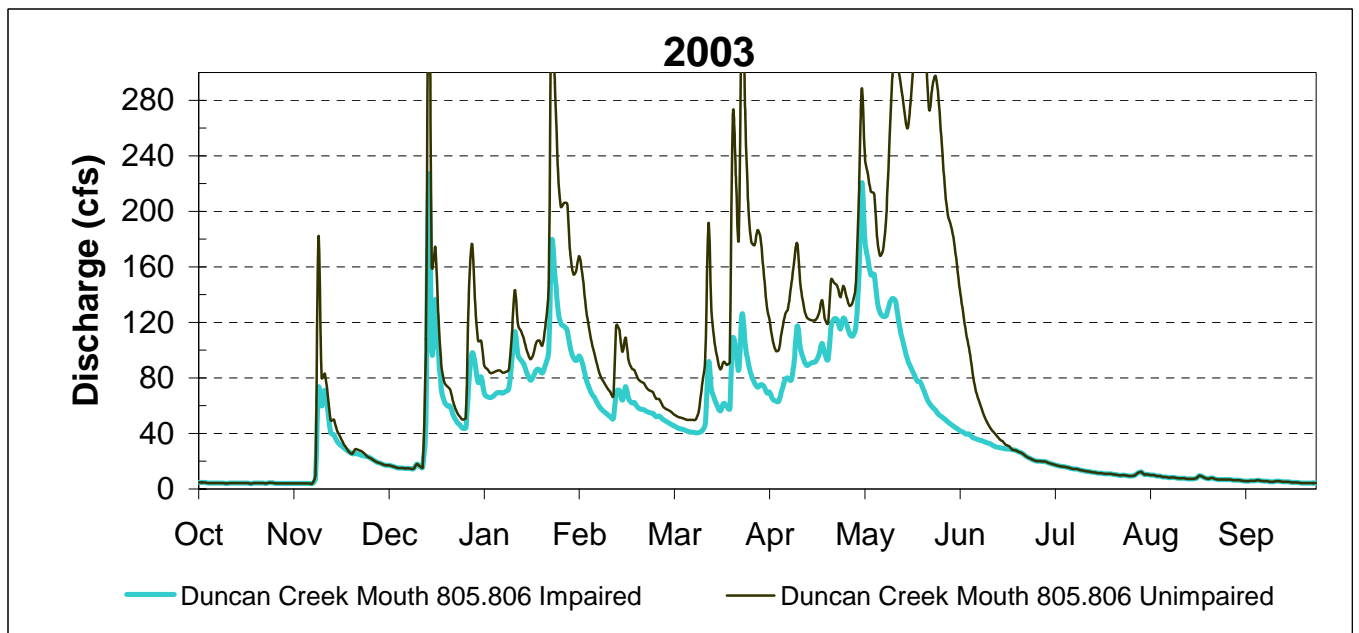
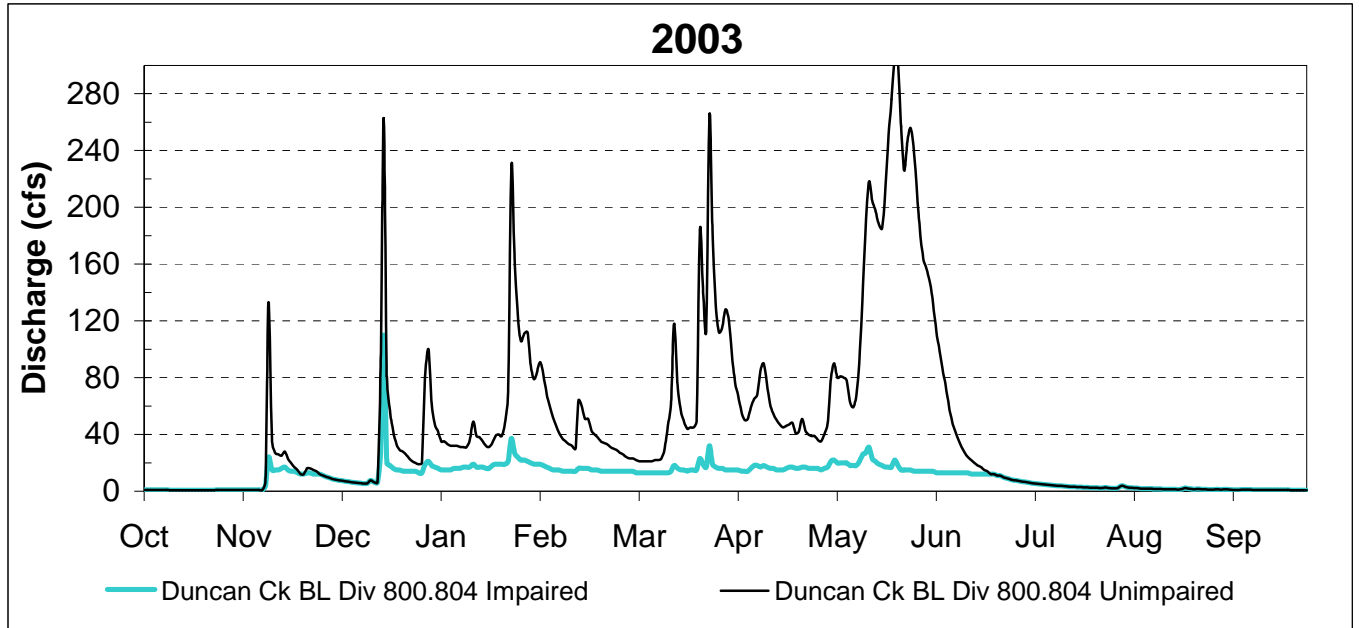
**Figure B1-16. Duncan Creek example wet water year (2006) flows below the diversion (top) and at the bottom of the stream near the confluence with the Middle Fork American River (Duncan Creek mouth) (bottom).**



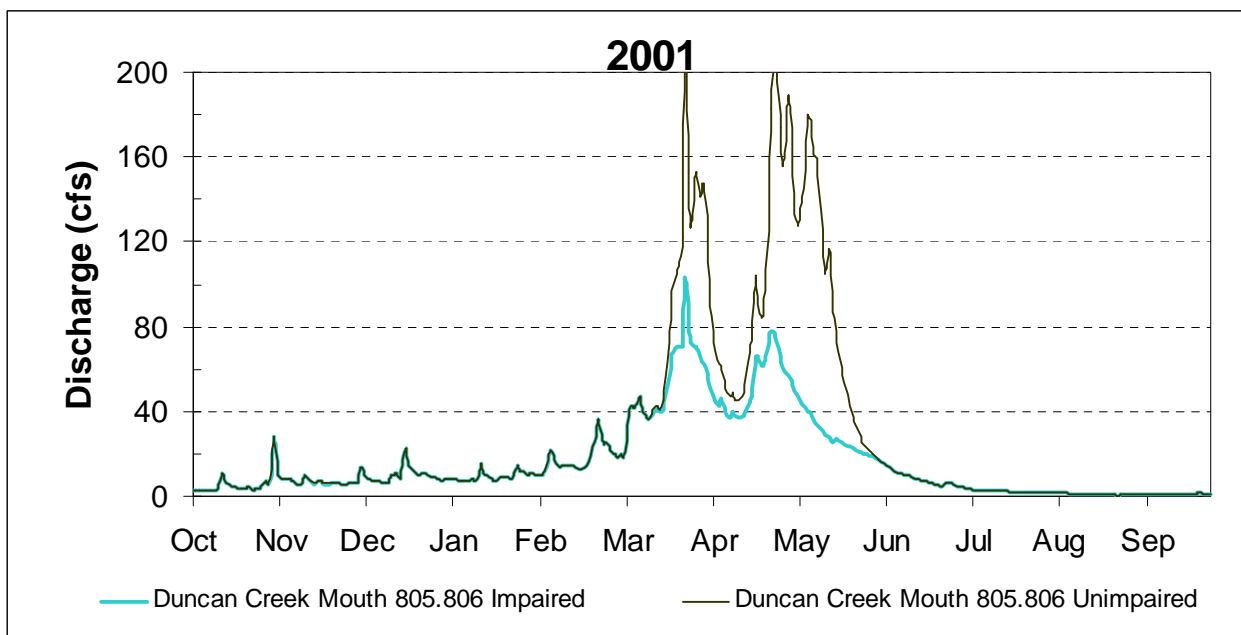
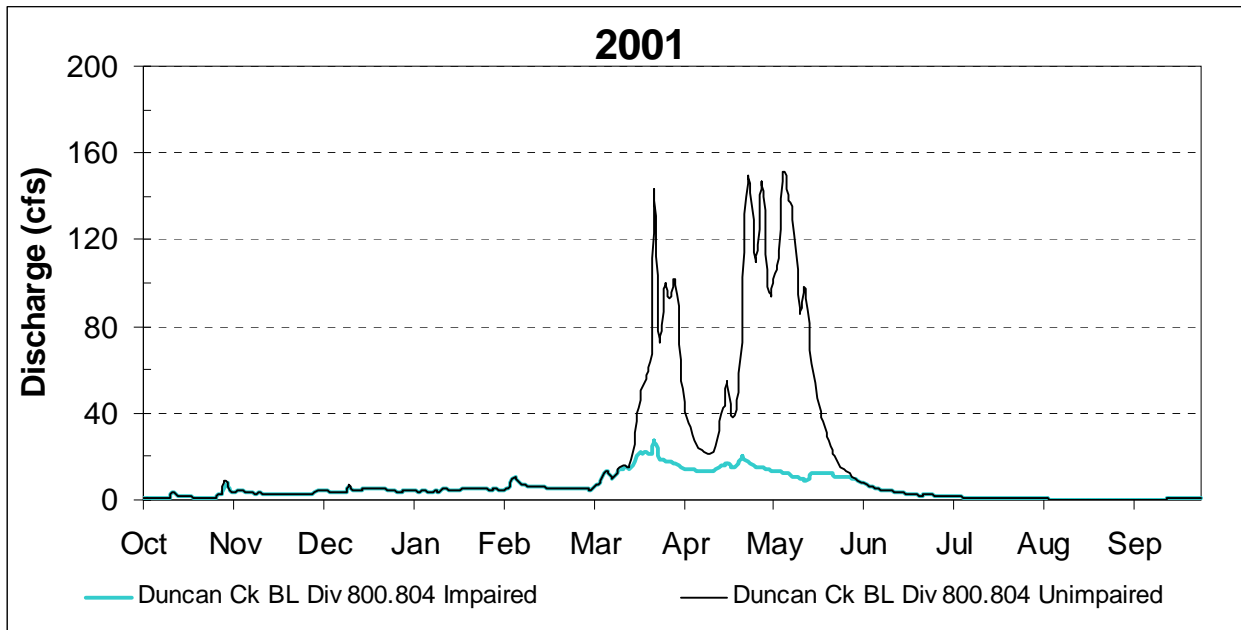
**Figure B1-17. Duncan Creek example above normal water year (1999) flows below the diversion (top) and at the bottom of the stream near the confluence with the Middle Fork American River (Duncan Creek mouth) (bottom).**



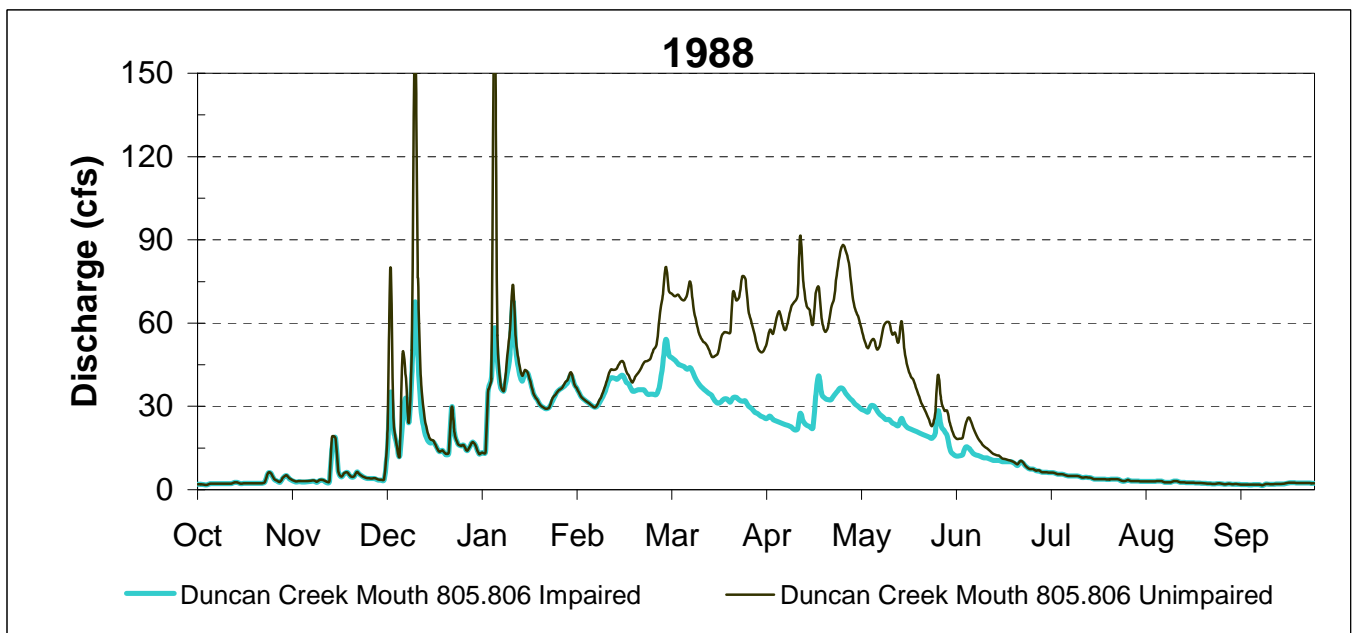
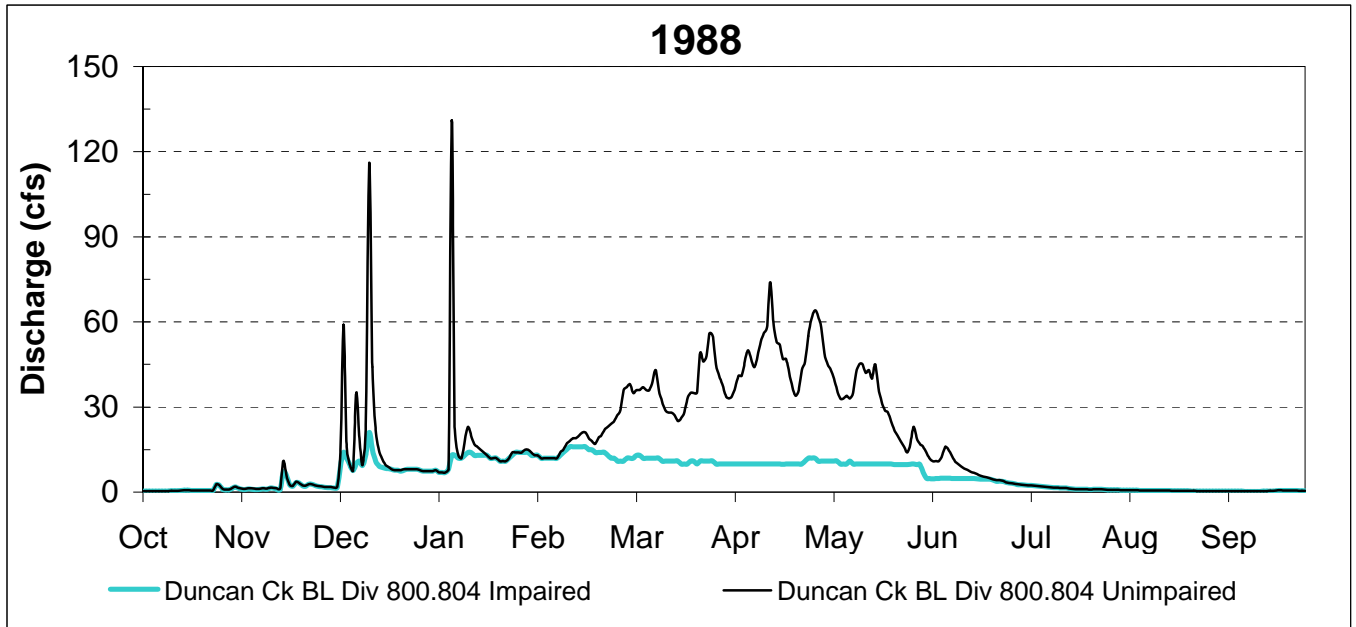
**Figure B1-18. Duncan Creek example below normal water year (2003) flows below the diversion (top) and at the bottom of the stream near the confluence with the Middle Fork American River (Duncan Creek mouth) (bottom).**



**Figure B1-19. Duncan Creek example dry water year (2001) flows below the diversion (top) and at the bottom of the stream near the confluence with the Middle Fork American River (Duncan Creek mouth) (bottom).**



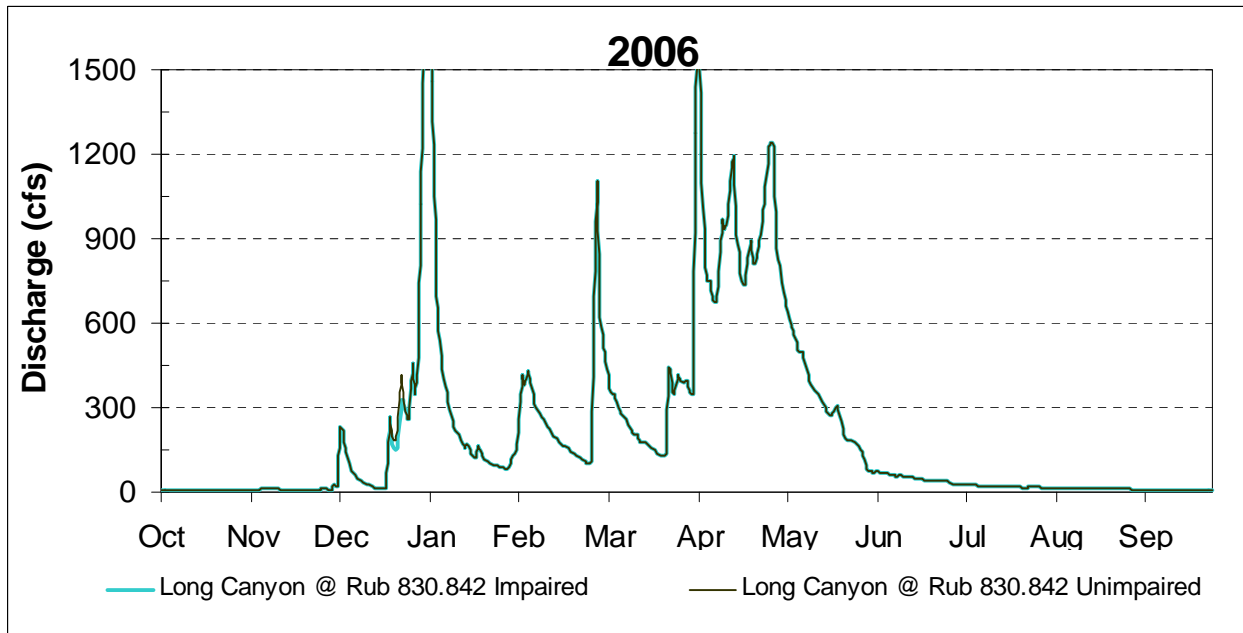
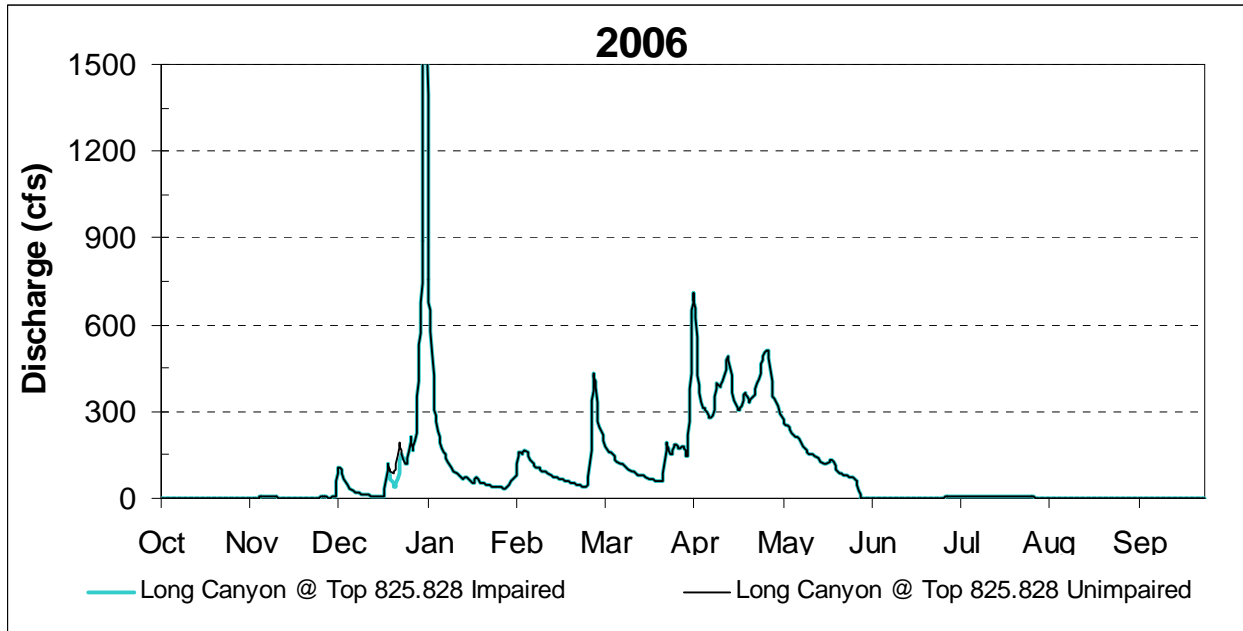
**Figure B1-20. Duncan Creek critically dry water year (1988) flows below the diversion (top) and at the bottom of the stream near the confluence with the Middle Fork American River (Duncan Creek mouth) (bottom).**



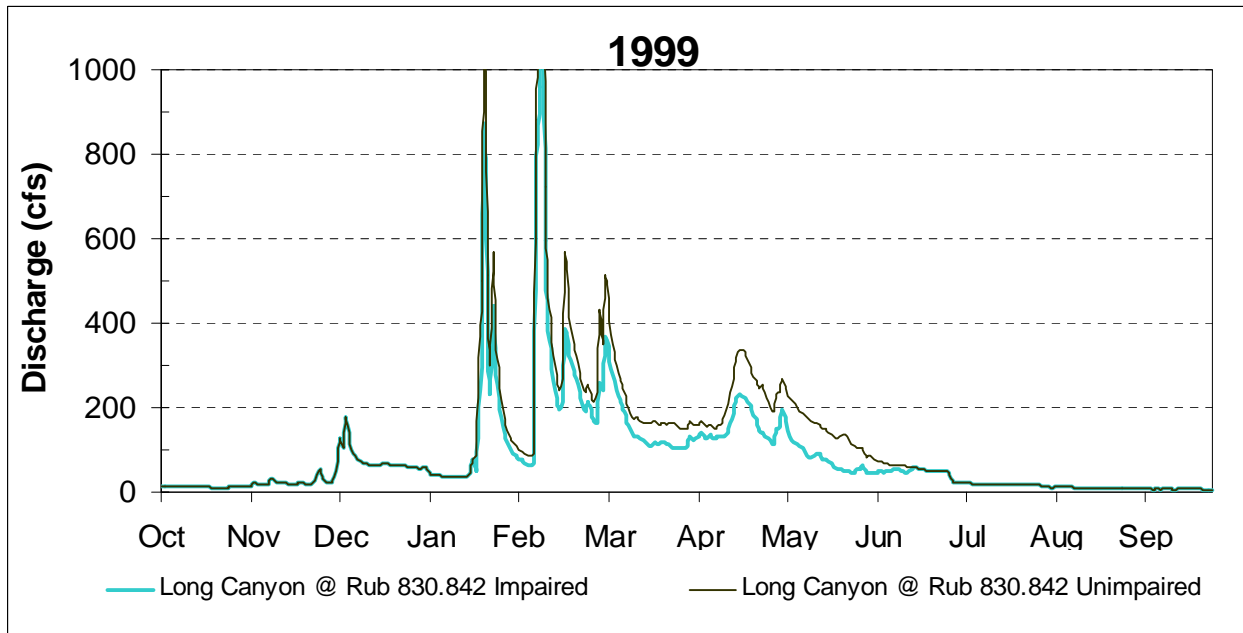
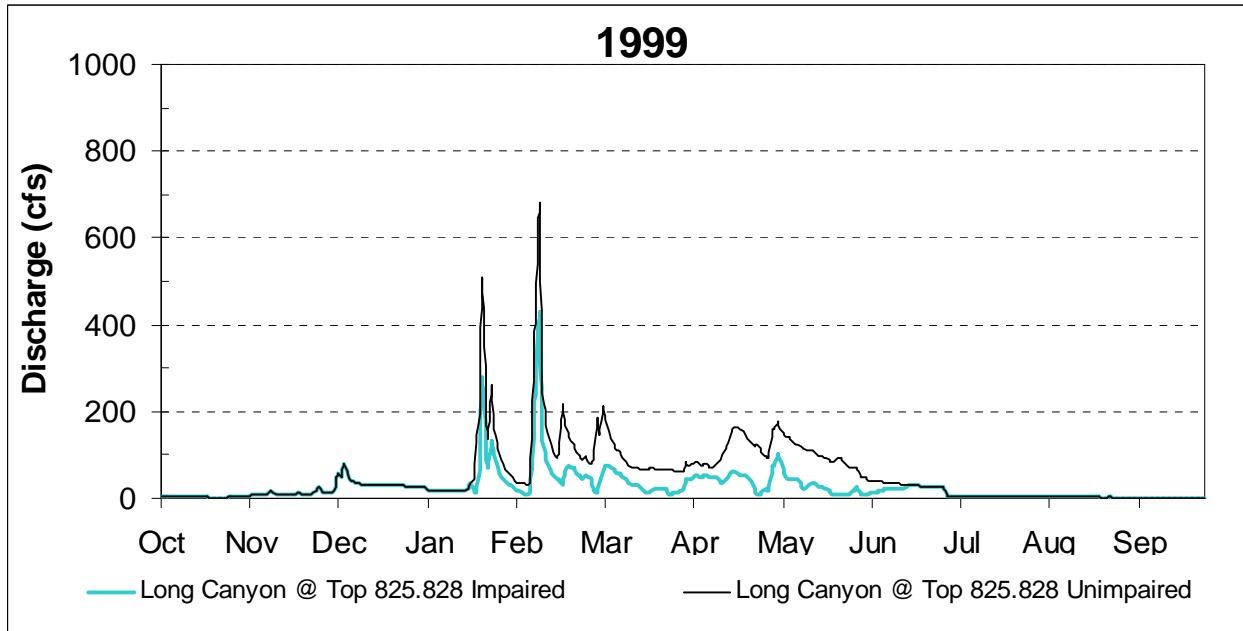


## **Long Canyon Creek**

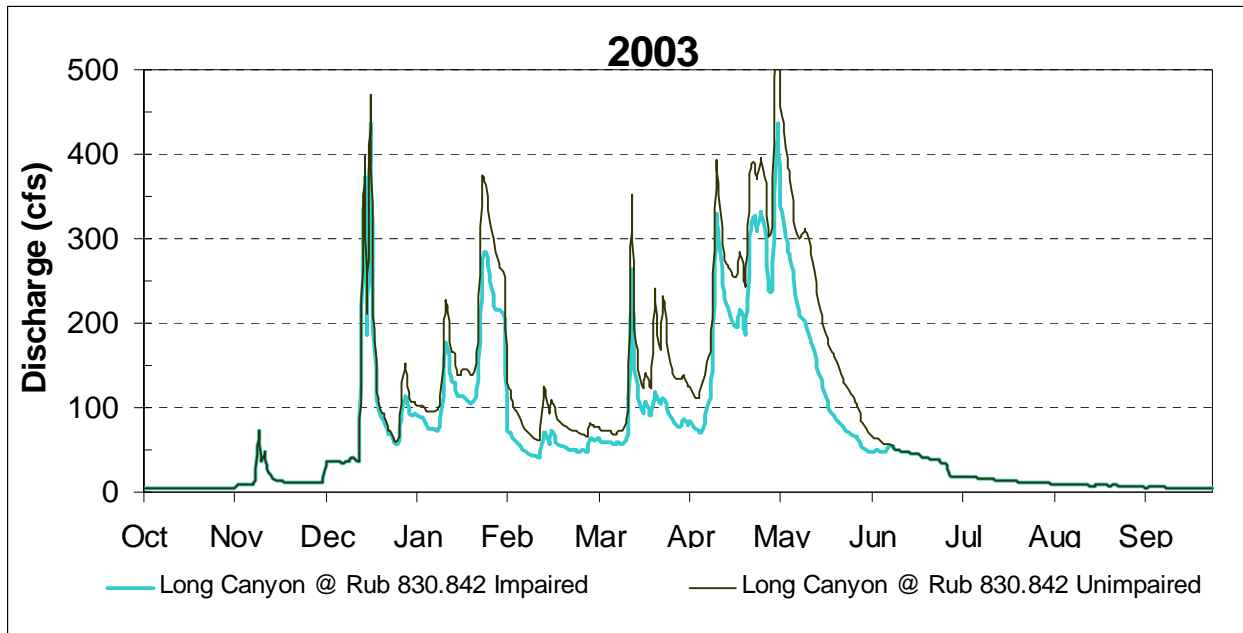
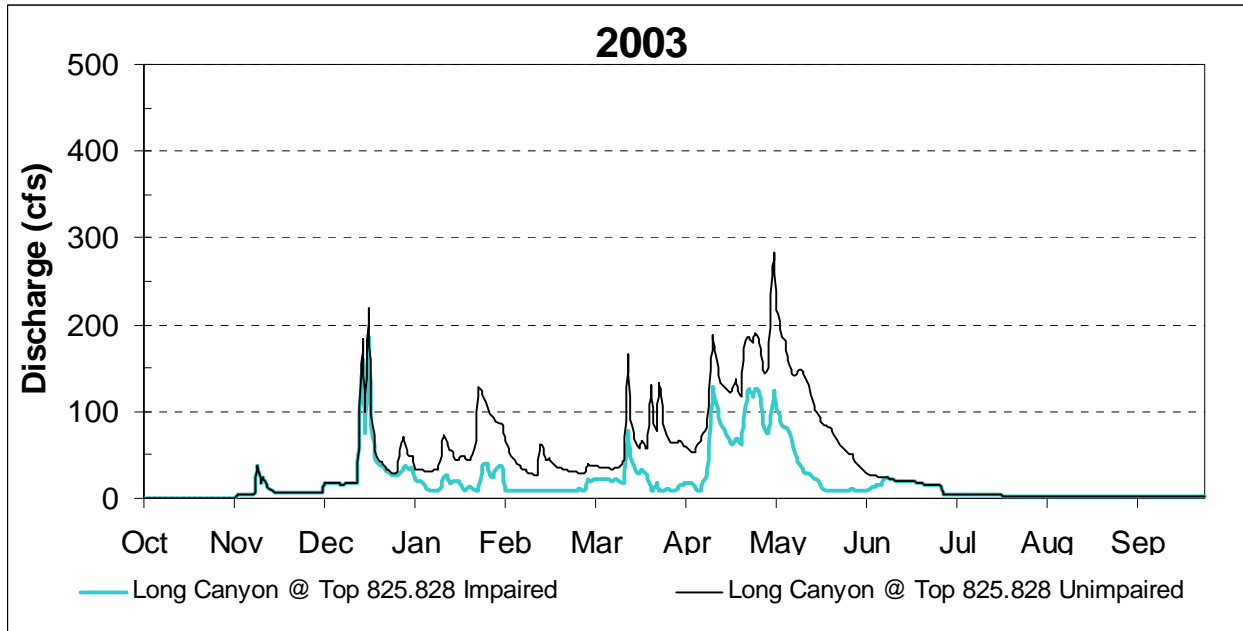
**Figure B1-21. Long Canyon Creek example wet water year (2006) flows below the confluence of North Fork and South Fork Long Canyon Creeks (top) and at the bottom of the stream near the confluence with the Rubicon River (bottom).**



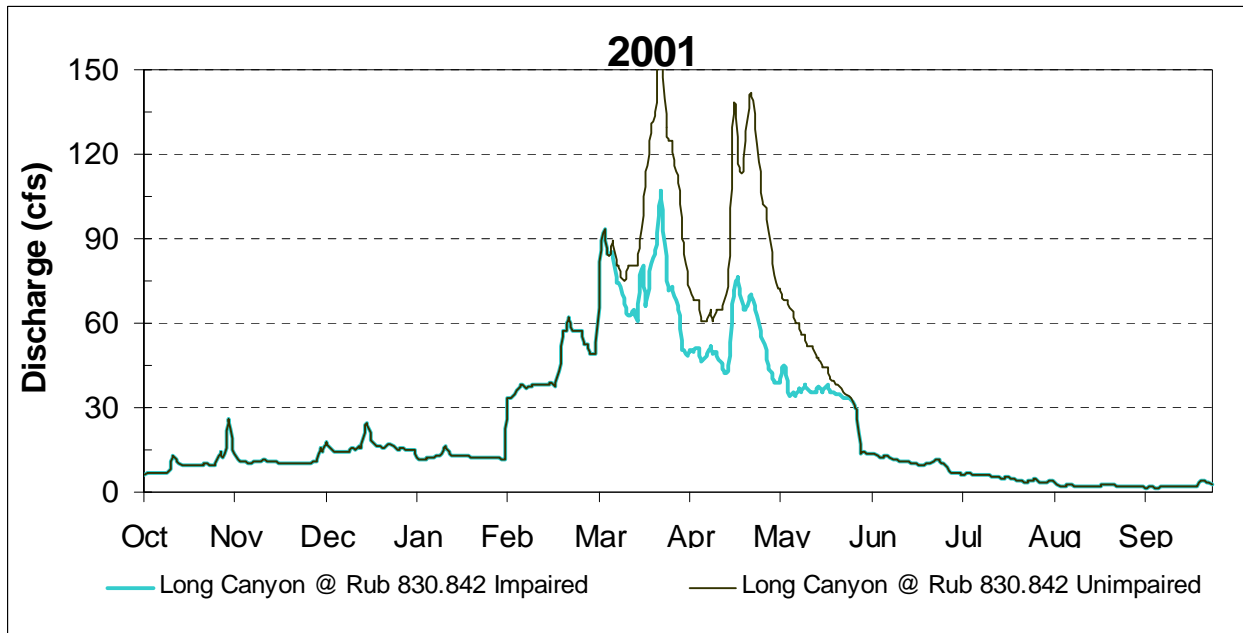
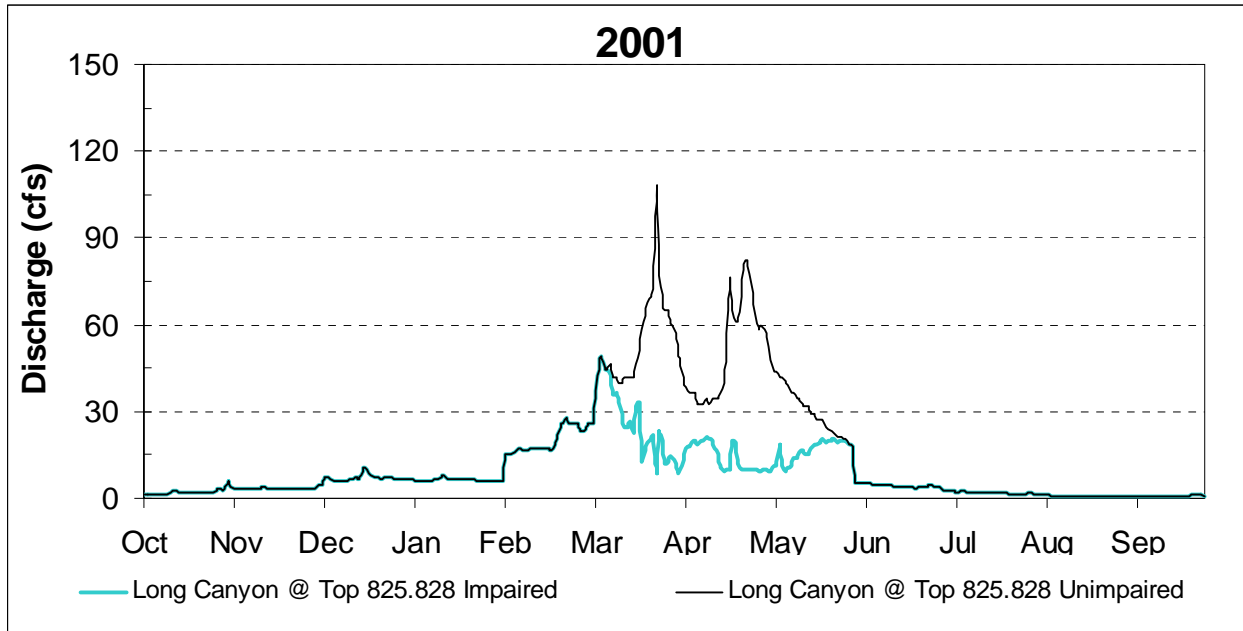
**Figure B1-22. Long Canyon Creek example above normal water year (1999) flows below the confluence of North Fork and South Fork Long Canyon Creeks (top) and at the bottom of the stream near the confluence with the Rubicon River (bottom).**



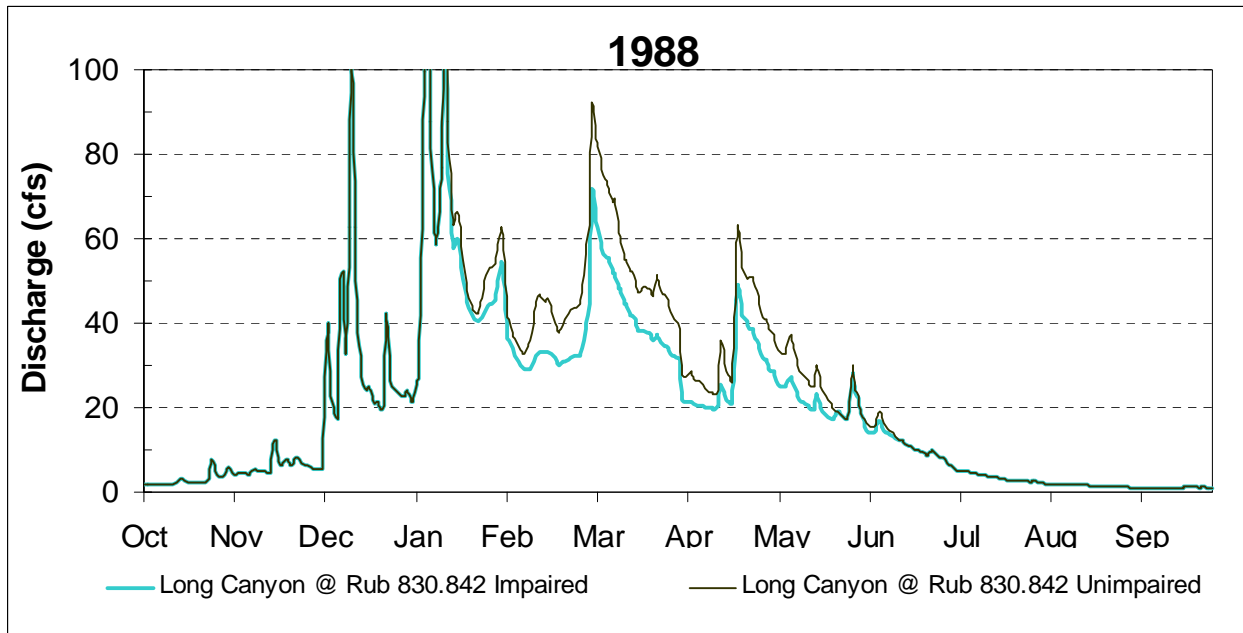
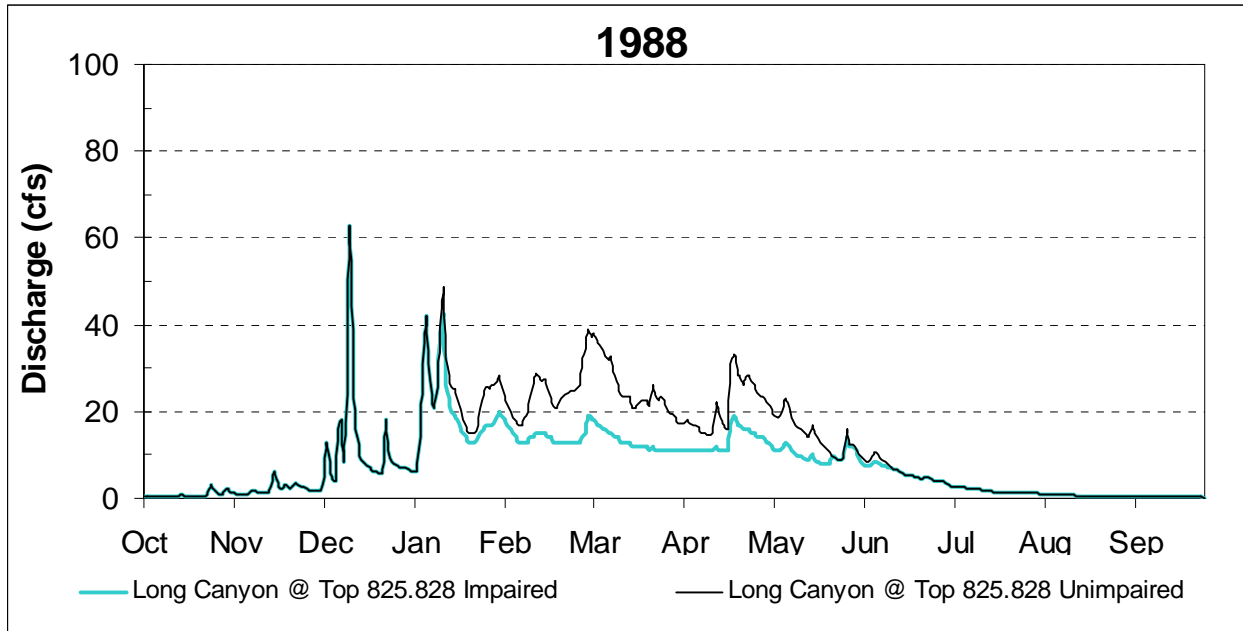
**Figure B1-23. Long Canyon Creek example below normal water year (2003) flows below the confluence of North Fork and South Fork Long Canyon Creeks (top) and at the bottom of the stream near the confluence with the Rubicon River (bottom).**



**Figure B1-24. Long Canyon Creek example dry water year (2001) flows below the confluence of North Fork and South Fork Long Canyon Creeks (top) and at the bottom of the stream near the confluence with the Rubicon River (bottom).**

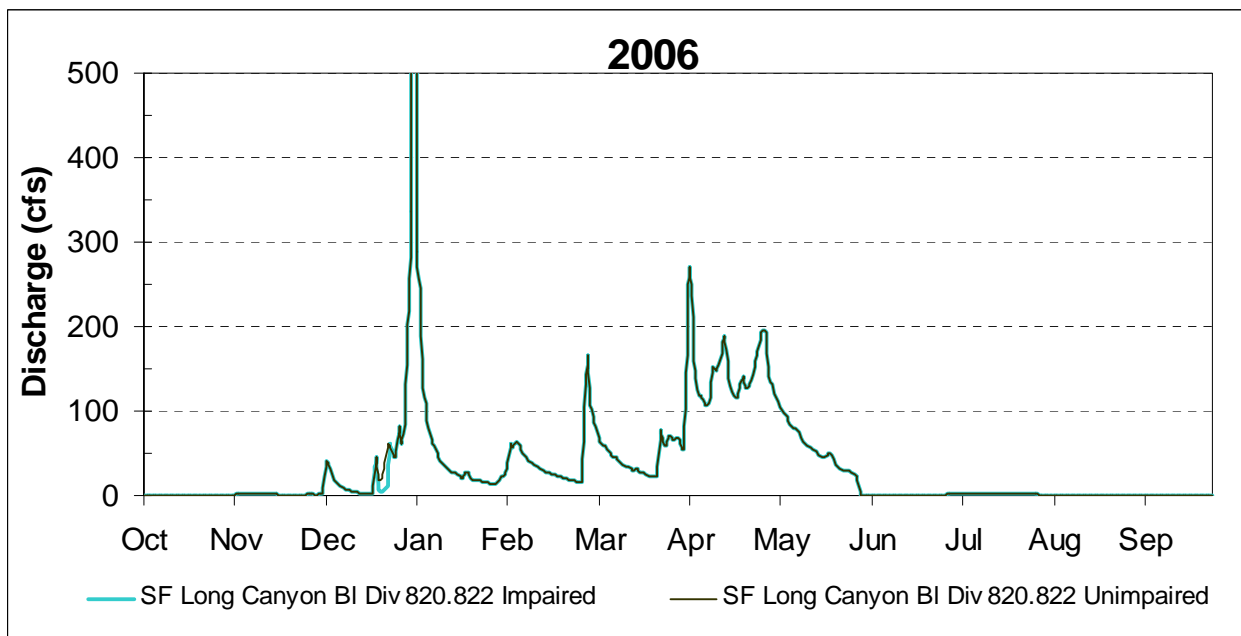
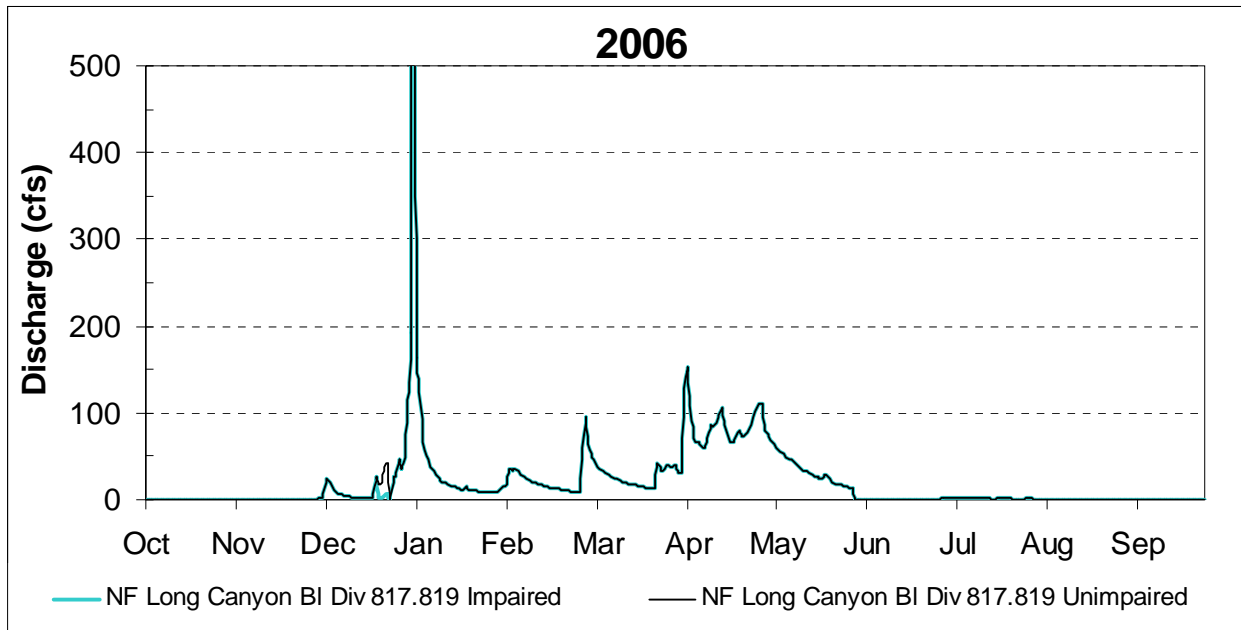


**Figure B1-25. Long Canyon Creek critical dry water year (1988) flows below the confluence of North Fork and South Fork Long Canyon Creeks (top) and at the bottom of the stream near the confluence with the Rubicon River (bottom).**



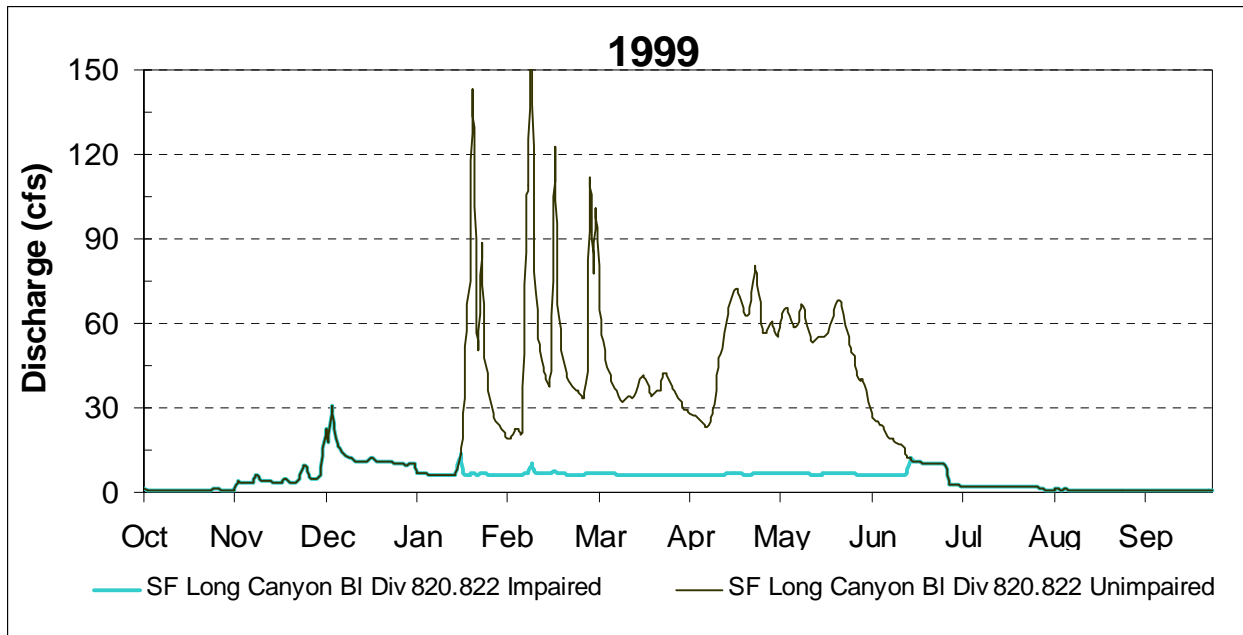
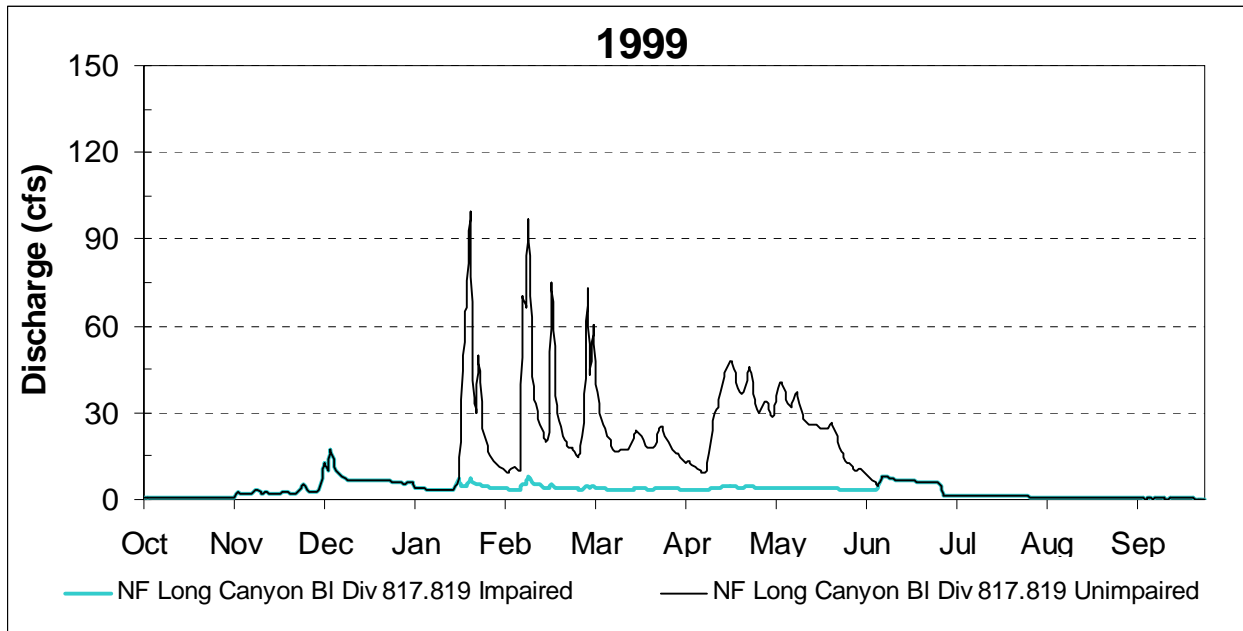
**North Fork Long Canyon (top) and South Fork Long Canyon (bottom)**

**Figure B1-26. North Fork Long Canyon (top) and South Fork Long Canyon (bottom) flows during an example wet water year (2006).**

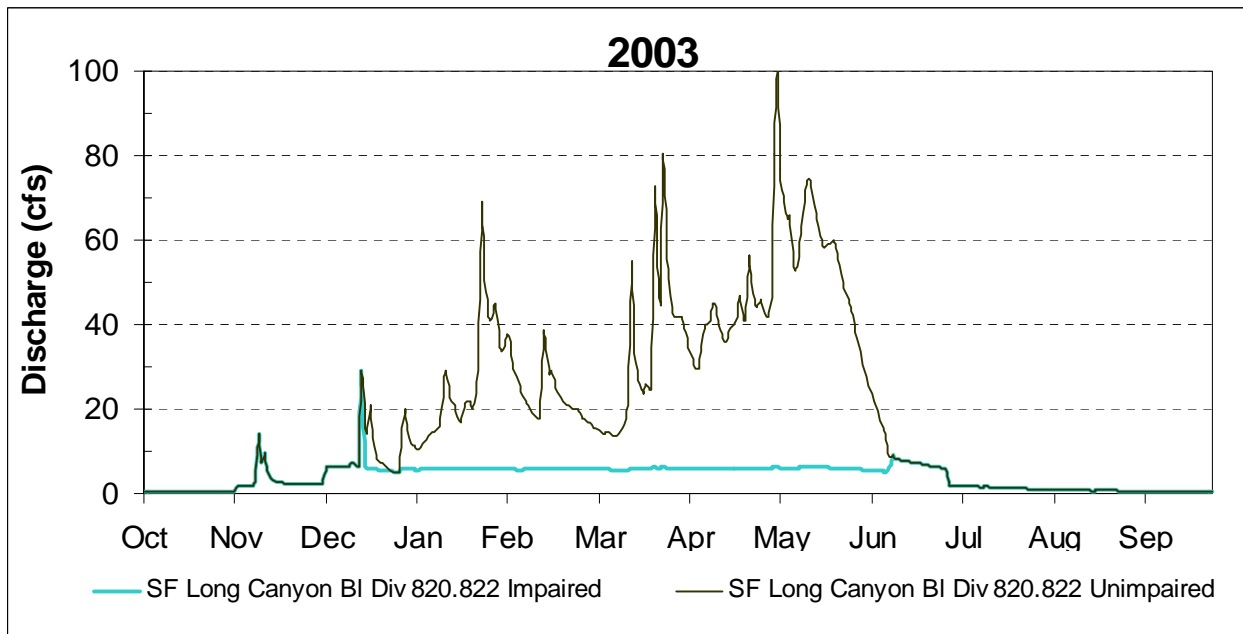
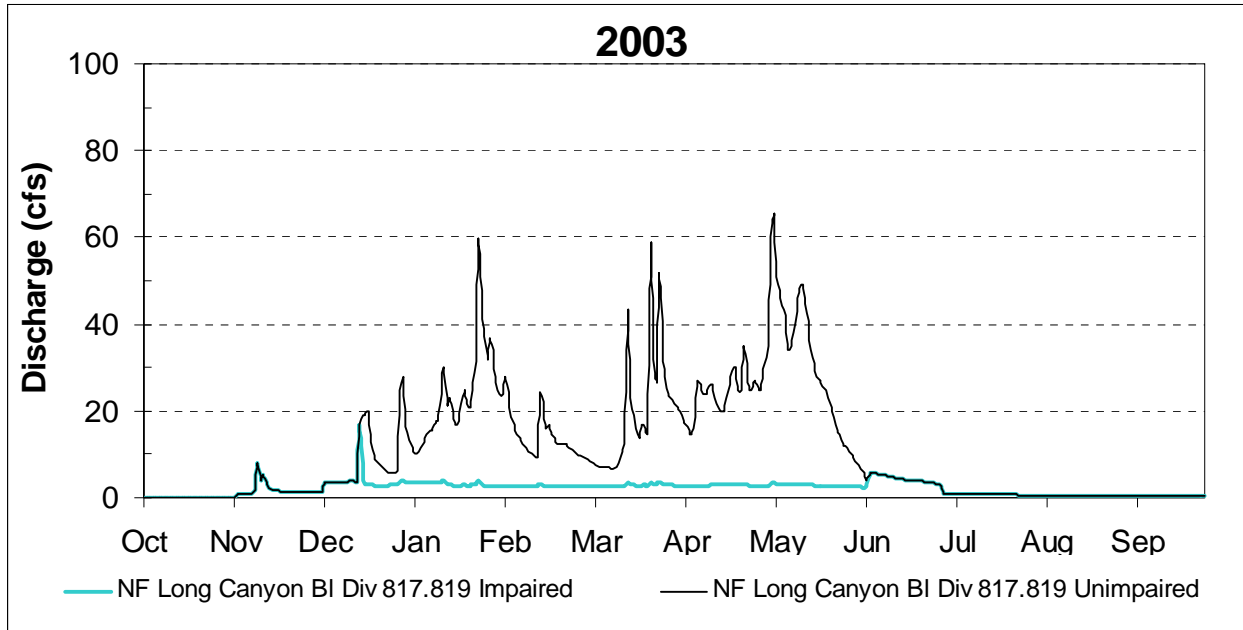




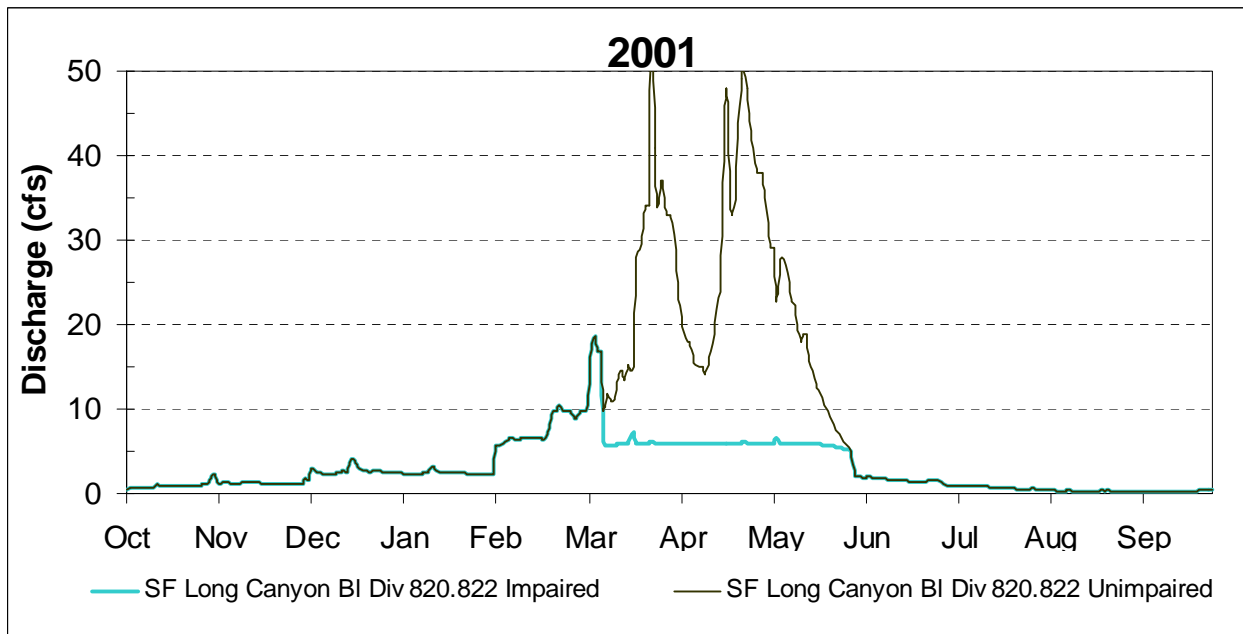
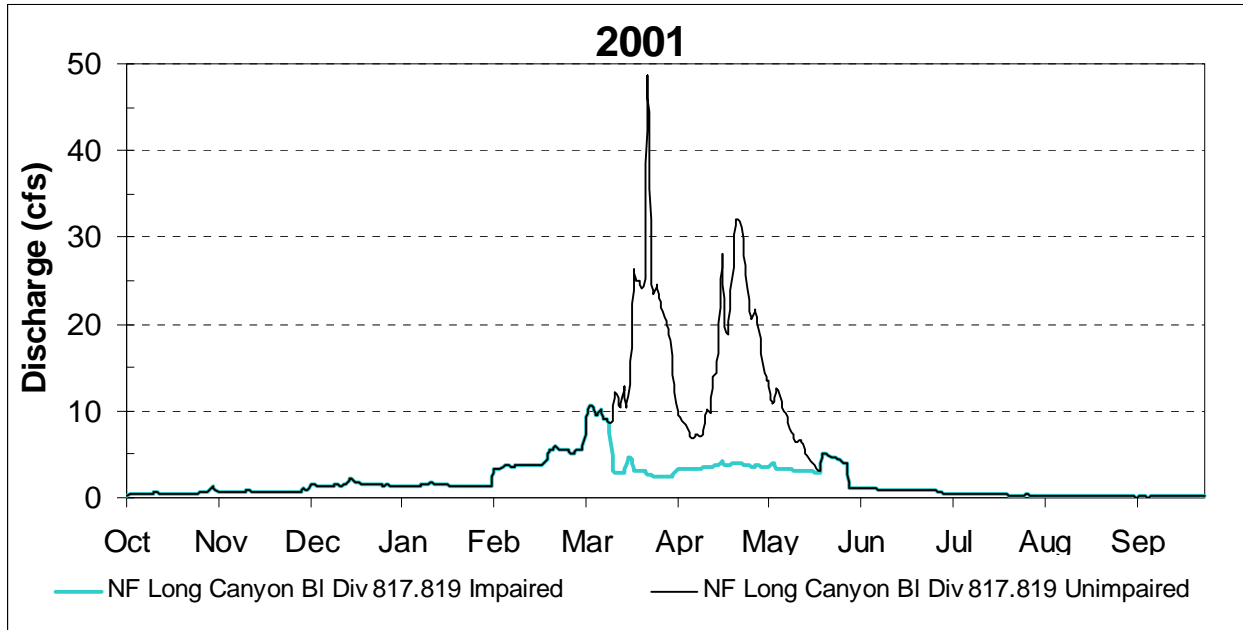
**Figure B1-27. North Fork Long Canyon (top) and South Fork Long Canyon (bottom) flows during and example above normal water year (1999).**



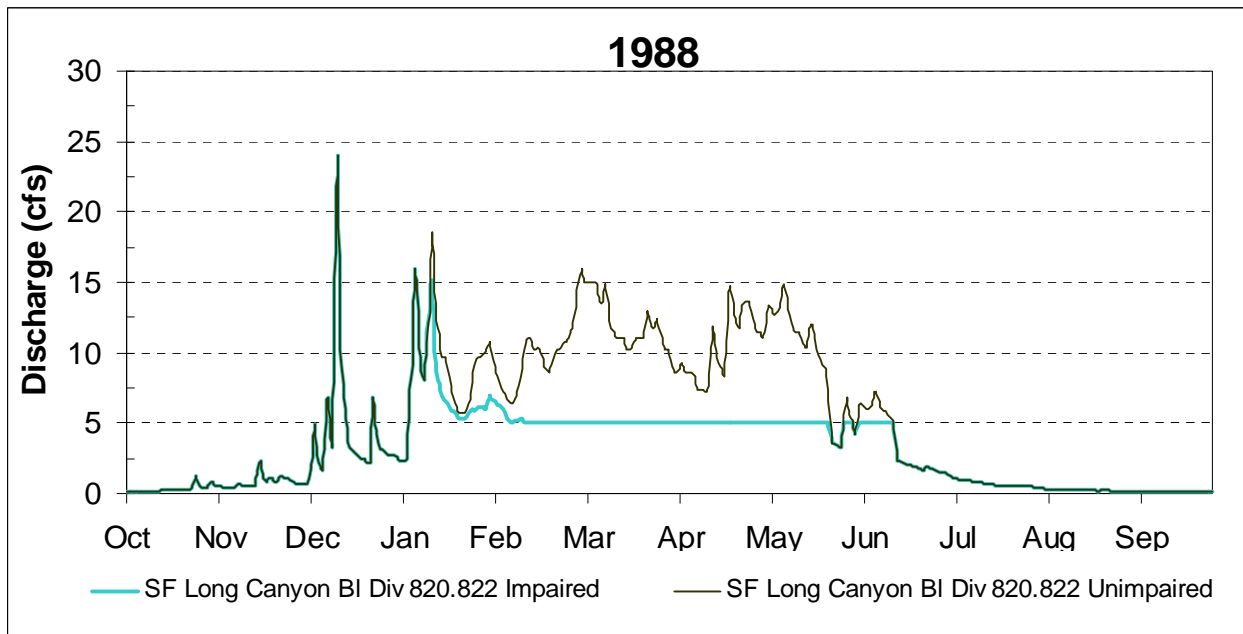
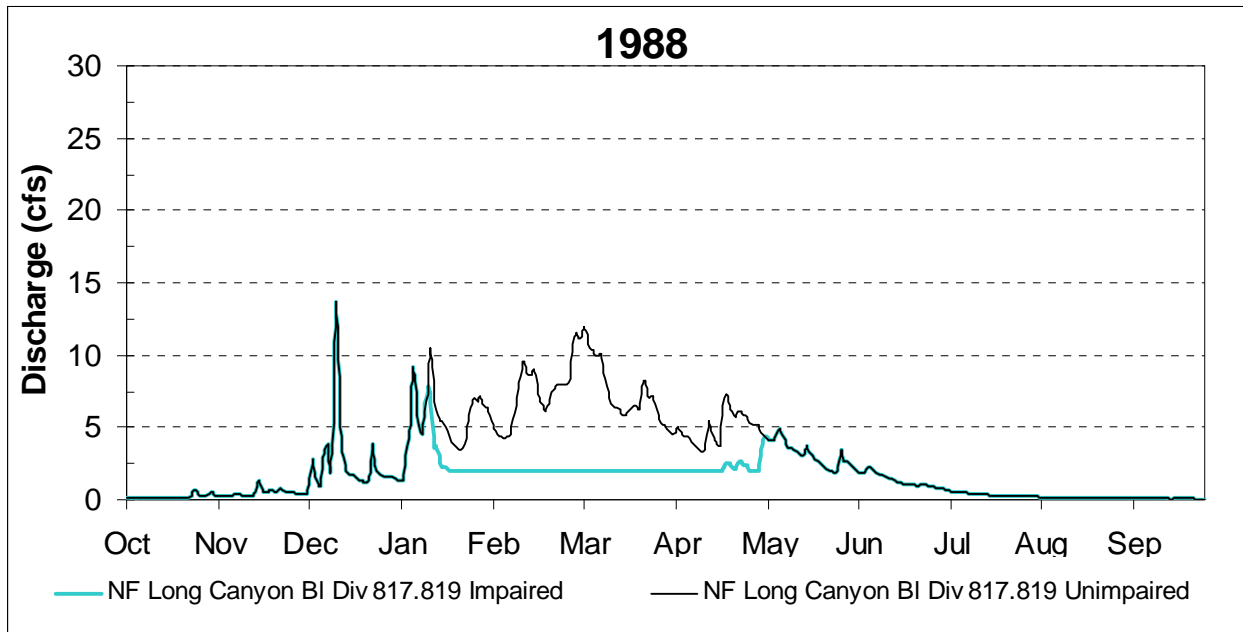
**Figure B1-28. North Fork Long Canyon (top) and South Fork Long Canyon (bottom) flows during an example below normal water year (2003).**



**Figure B1-29. North Fork Long Canyon (top) and South Fork Long Canyon (bottom) flows during and example dry water year (2001).**

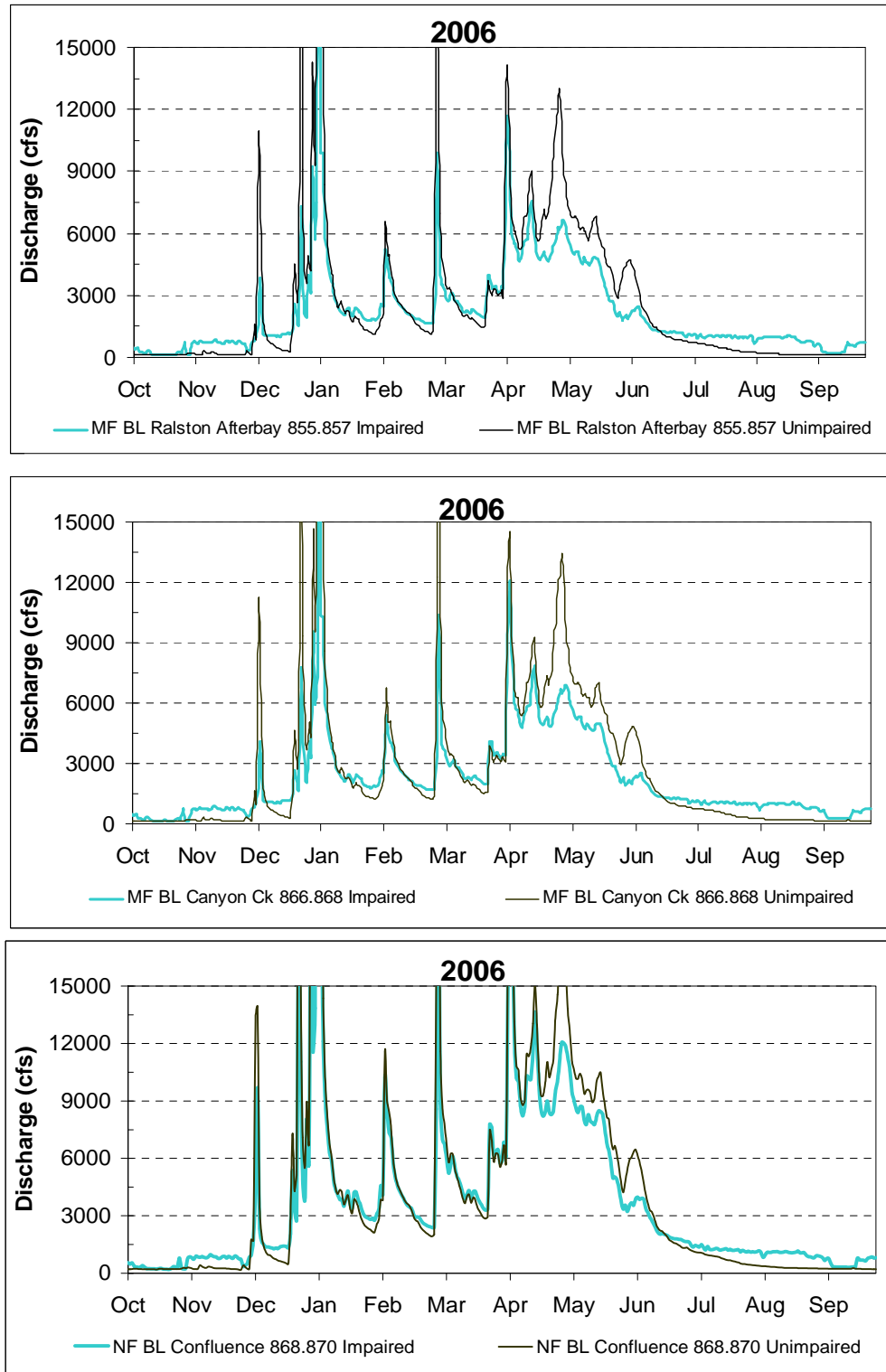


**Figure B1-30. North Fork Long Canyon (top) and South Fork Long Canyon (bottom) flows during a critical dry water year (1988).**

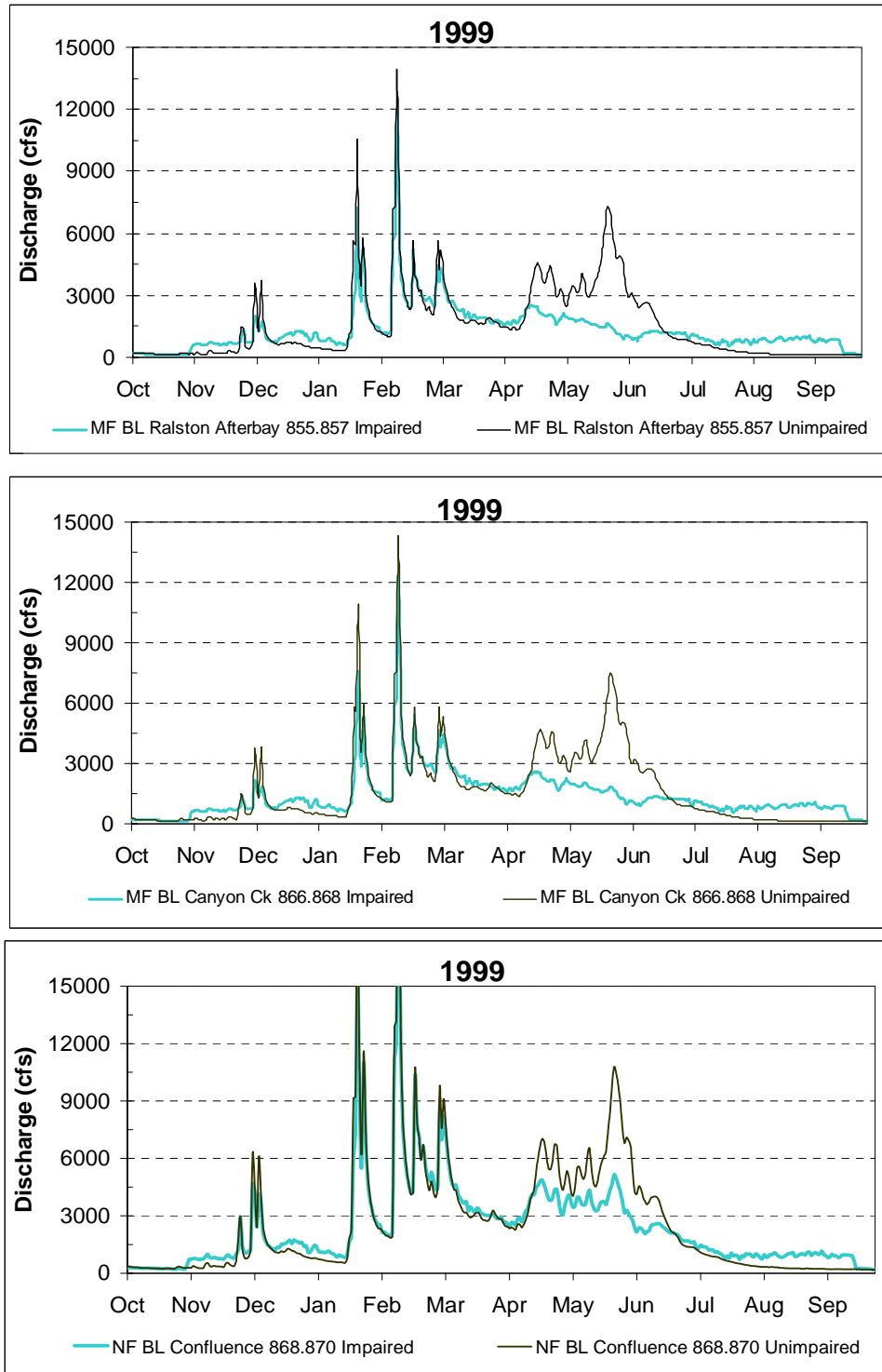


**Middle Fork American River below Ralston Afterbay (top)**  
**Middle Fork American River downstream of Canyon Creek (middle)**  
**North Fork American River below the Middle Fork American River Confluence (bottom)**

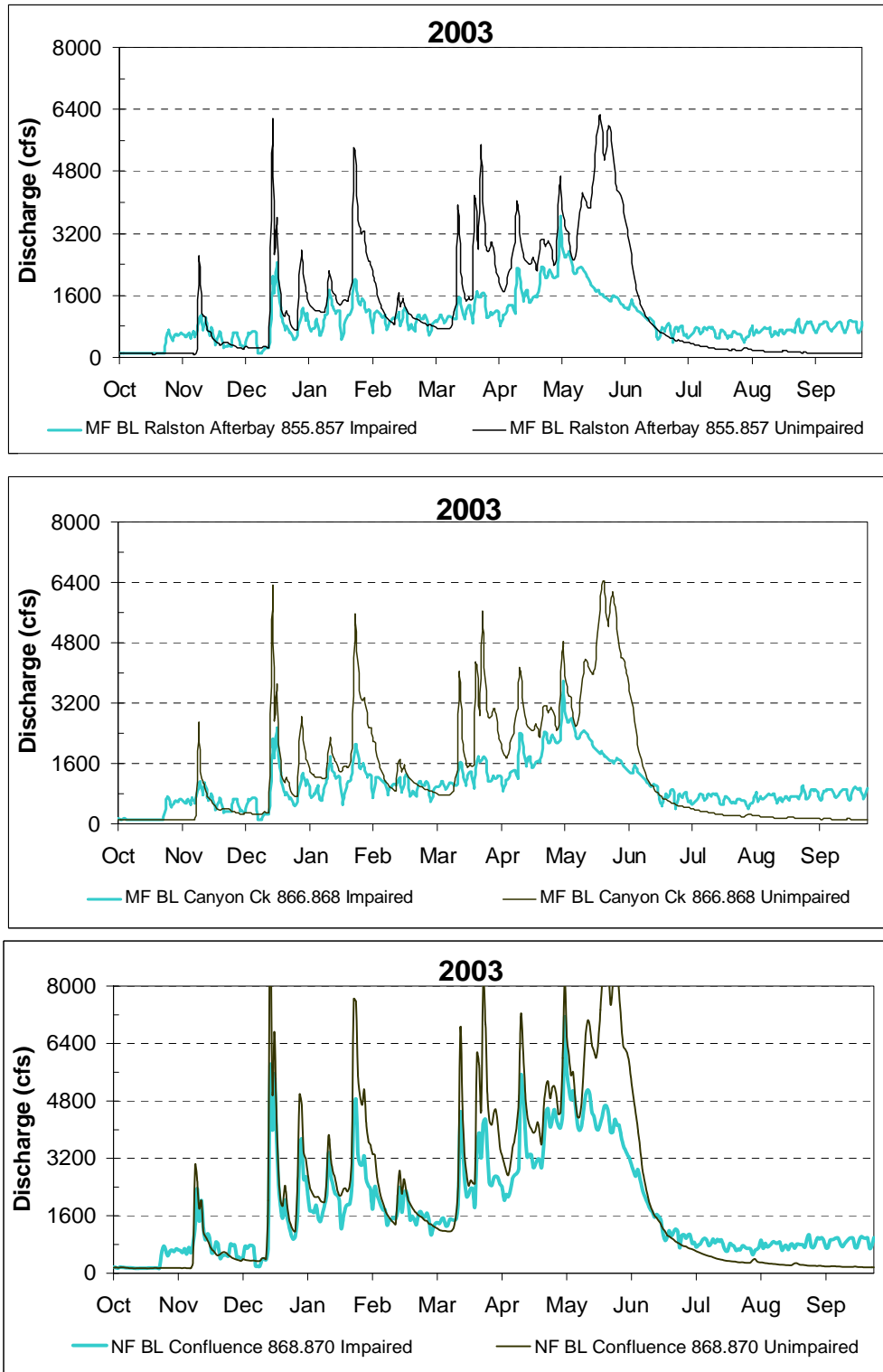
**Figure B1-31. Example wet water year (2006) flows in the Middle Fork American River below Ralston Afterbay (top), Middle Fork American River downstream of Canyon Creek (middle), and the North Fork American River below the Middle Fork American River Confluence (bottom).**



**Figure B1-32. Example above normal water year (1999) flows in the Middle Fork American River below Ralston Afterbay (top), Middle Fork American River downstream of Canyon Creek (middle), and the North Fork American River below the Middle Fork American River Confluence (bottom).**

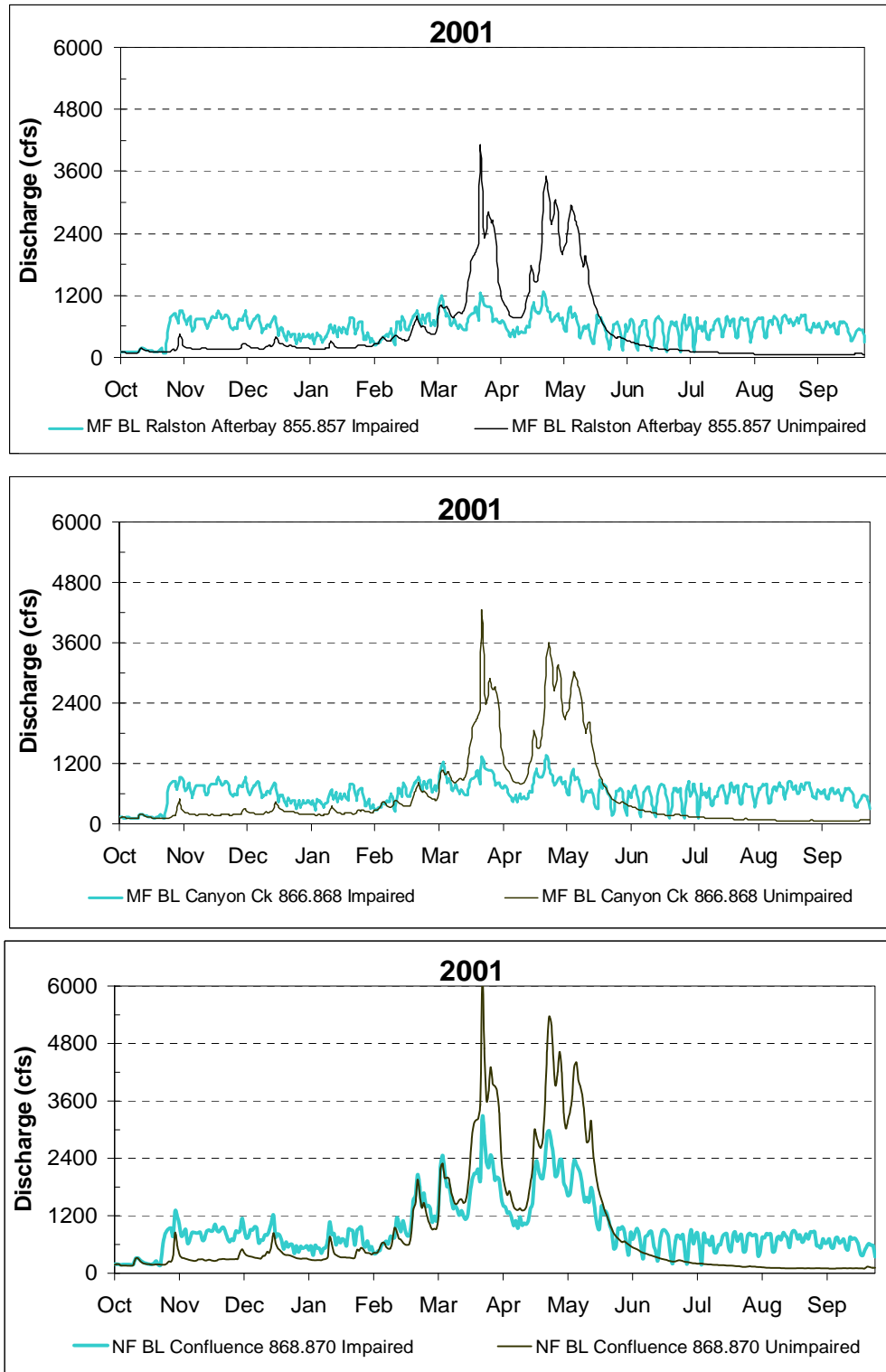


**Figure B1-33. Example below water year (2003) flows in the Middle Fork American River below Ralston Afterbay (top), Middle Fork American River downstream of Canyon Creek (middle), and the North Fork American River below the Middle Fork American River Confluence (bottom).**





**Figure B1-34. Example dry water year (2001) flows in the Middle Fork American River below Ralston Afterbay (top), Middle Fork American River downstream of Canyon Creek (middle), and the North Fork American River below the Middle Fork American River Confluence (bottom).**



**Figure B1-35. Critical dry water year (1999) flows in the Middle Fork American River below Ralston Afterbay (top), Middle Fork American River downstream of Canyon Creek (middle), and the North Fork American River below the Middle Fork American River Confluence (bottom).**

