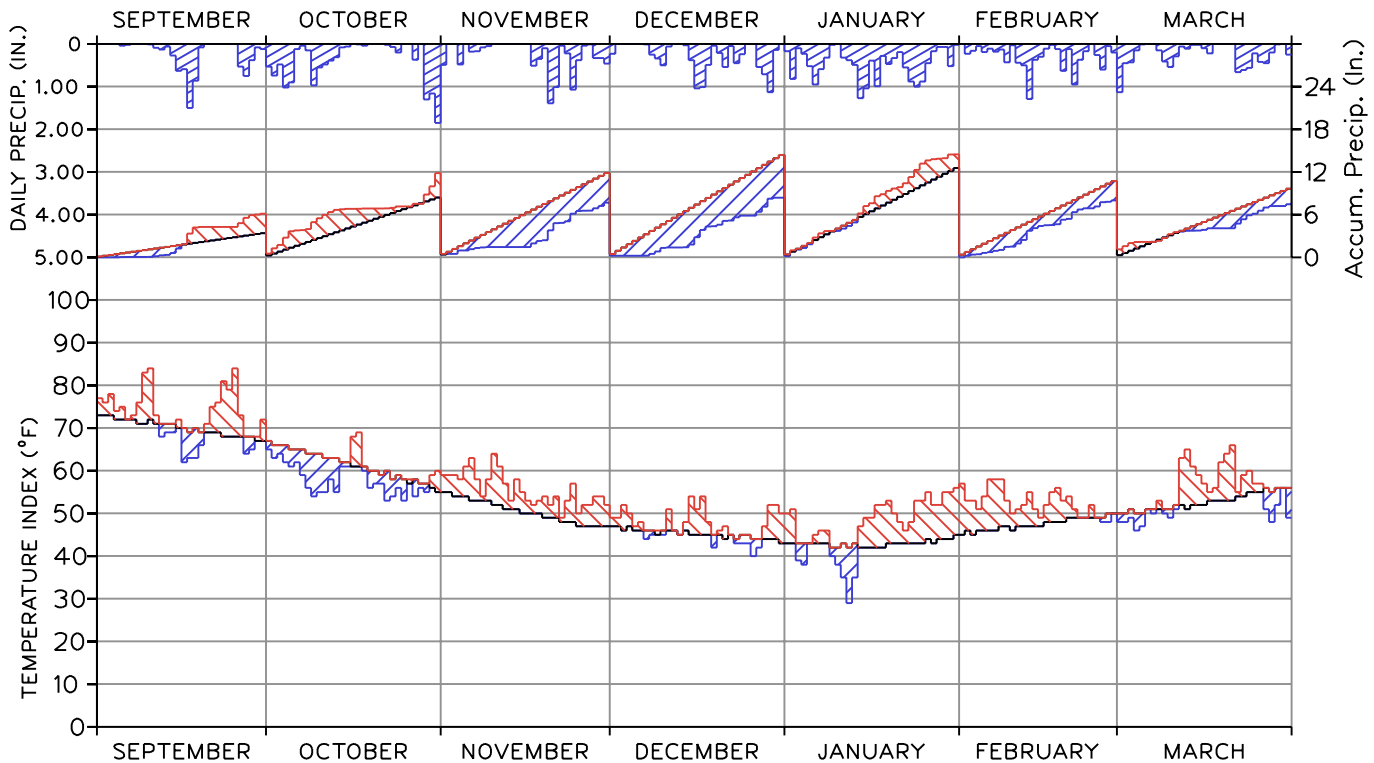
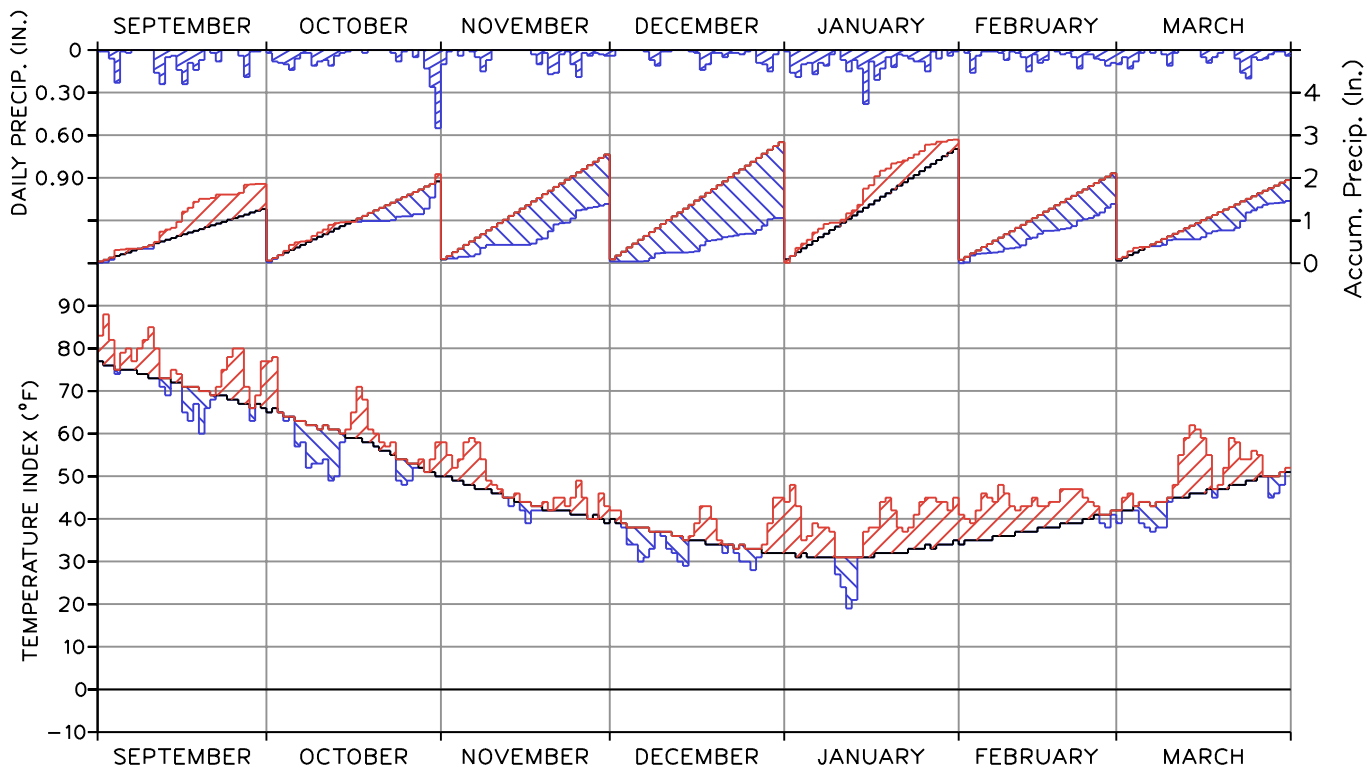


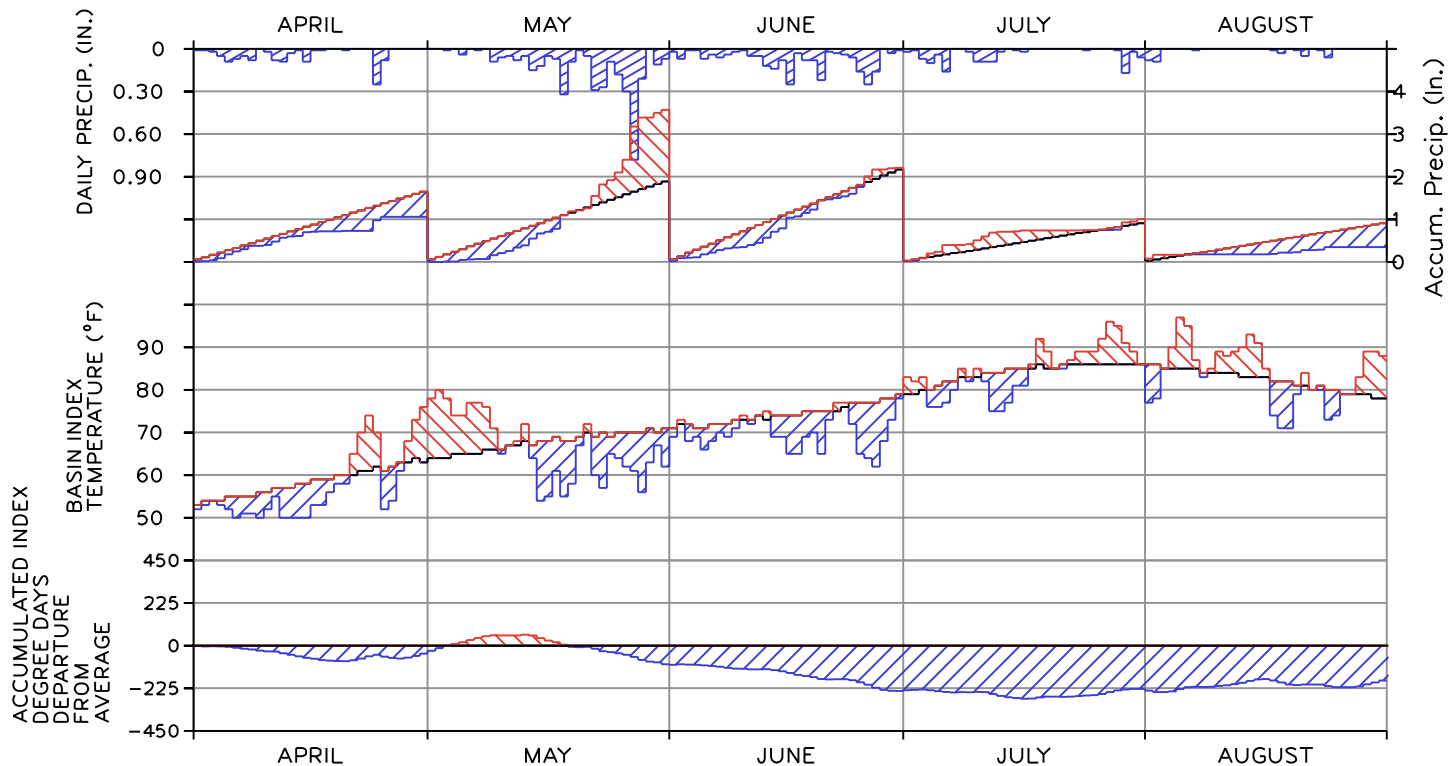
WINTER SEASON CHART 1
TEMPERATURE AND PRECIPITATION INDEX 1997-1998
WESTERN WASHINGTON



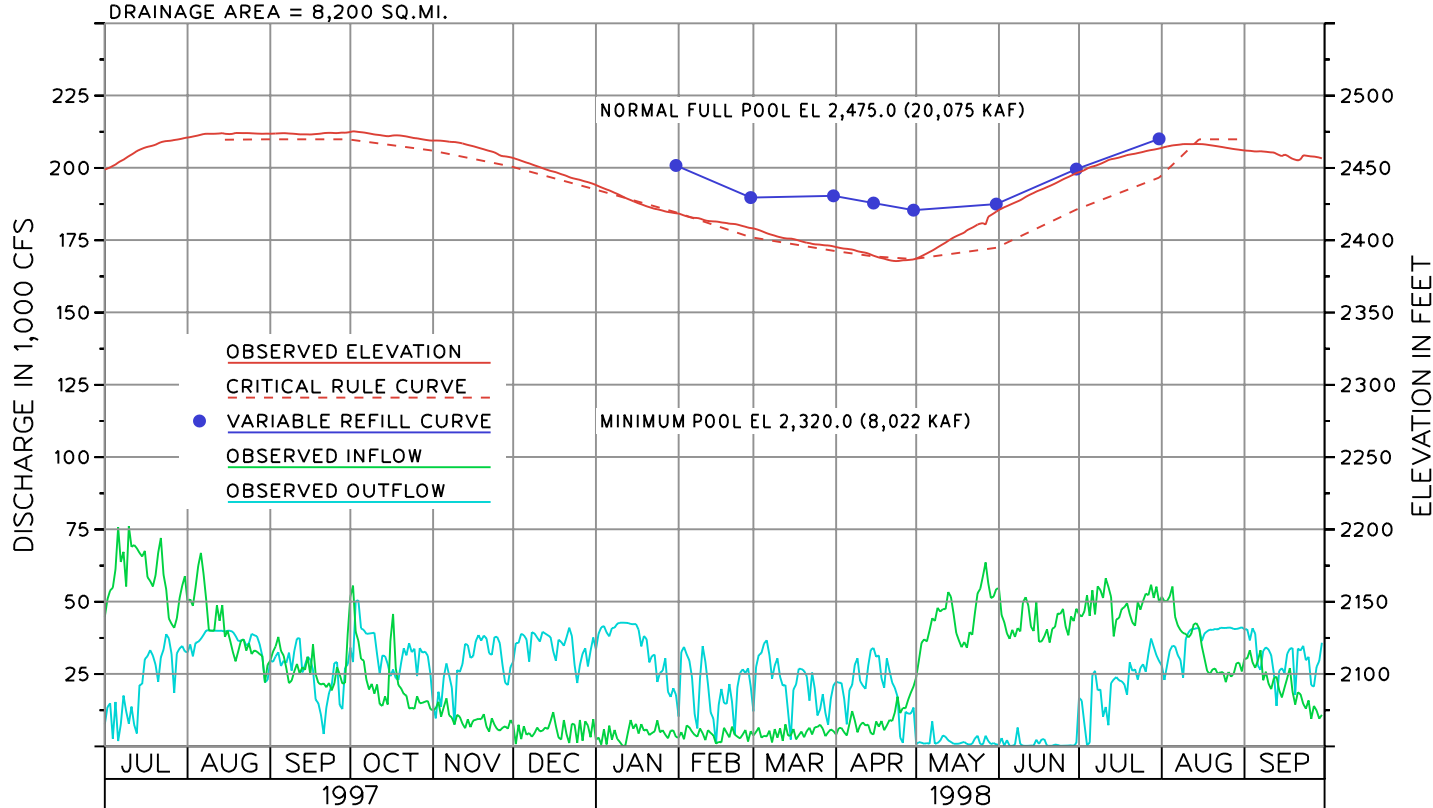
WINTER SEASON CHART 2
TEMPERATURE AND PRECIPITATION INDEX 1997-1998
WESTERN OREGON



WINTER SEASON CHART 3
TEMPERATURE AND PRECIPITATION INDEX 1997-1998
COLUMBIA RIVER BASIN ABOVE THE DALLES, OR

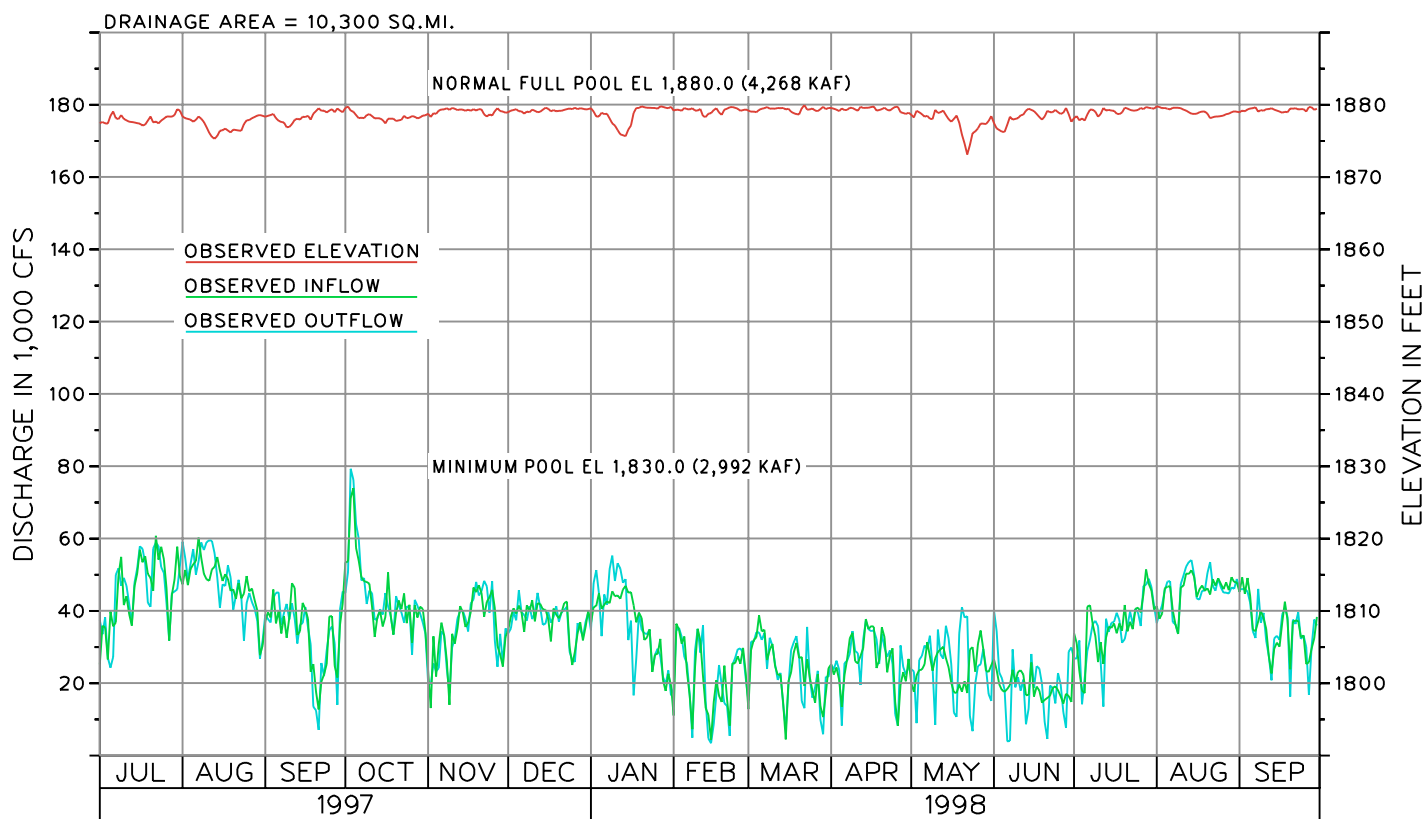


1998 SNOWMELT SEASON CHART 4
TEMPERATURE AND PRECIPITATION INDEX
COLUMBIA RIVER BASIN ABOVE THE DALLES, OR



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
COLUMBIA RIVER AT MICA PROJECT, BRITISH COLUMBIA

Chart 5



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
COLUMBIA RIVER AT REVELSTOKE PROJECT, BRITISH COLUMBIA

Chart 6

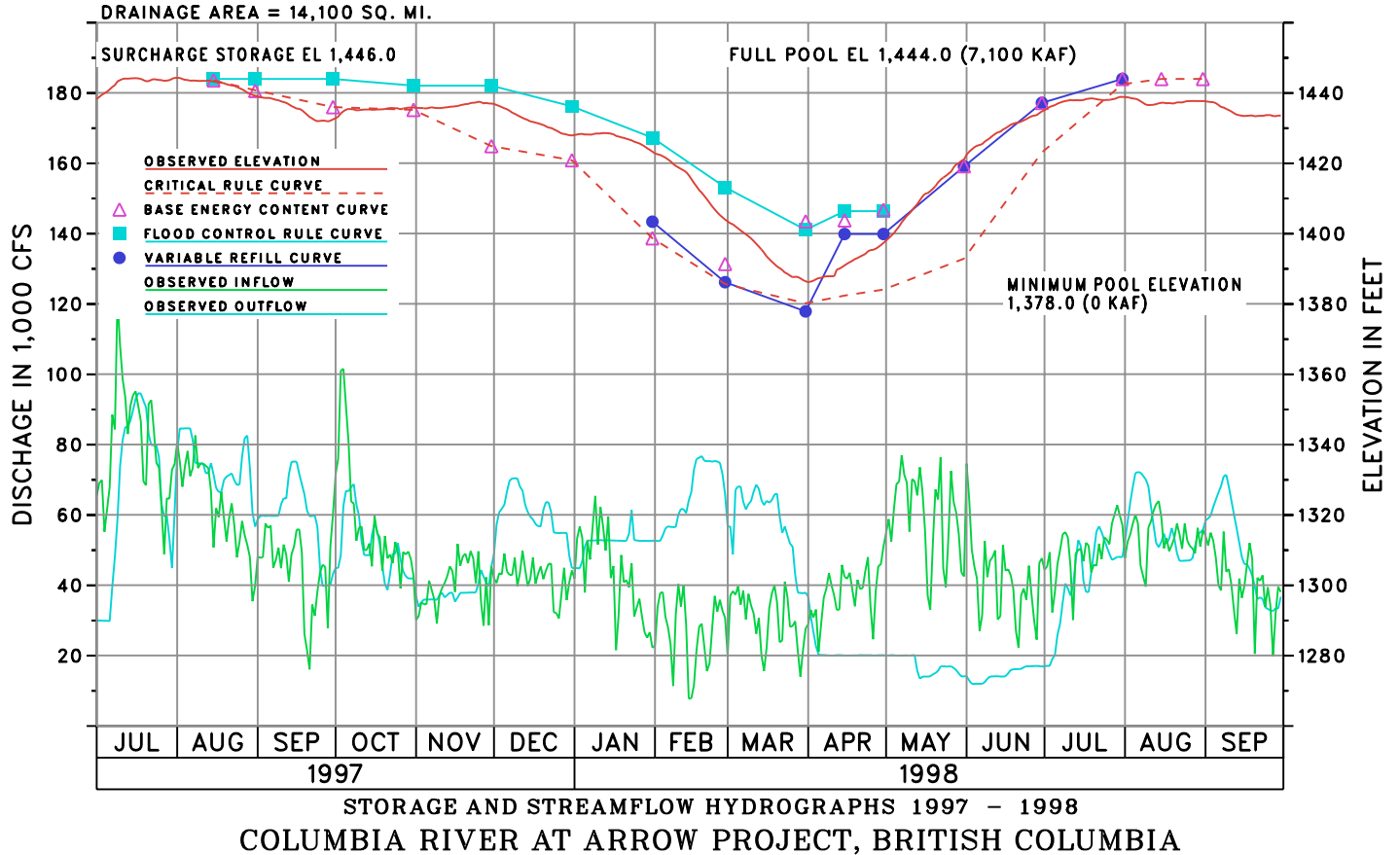


Chart 7

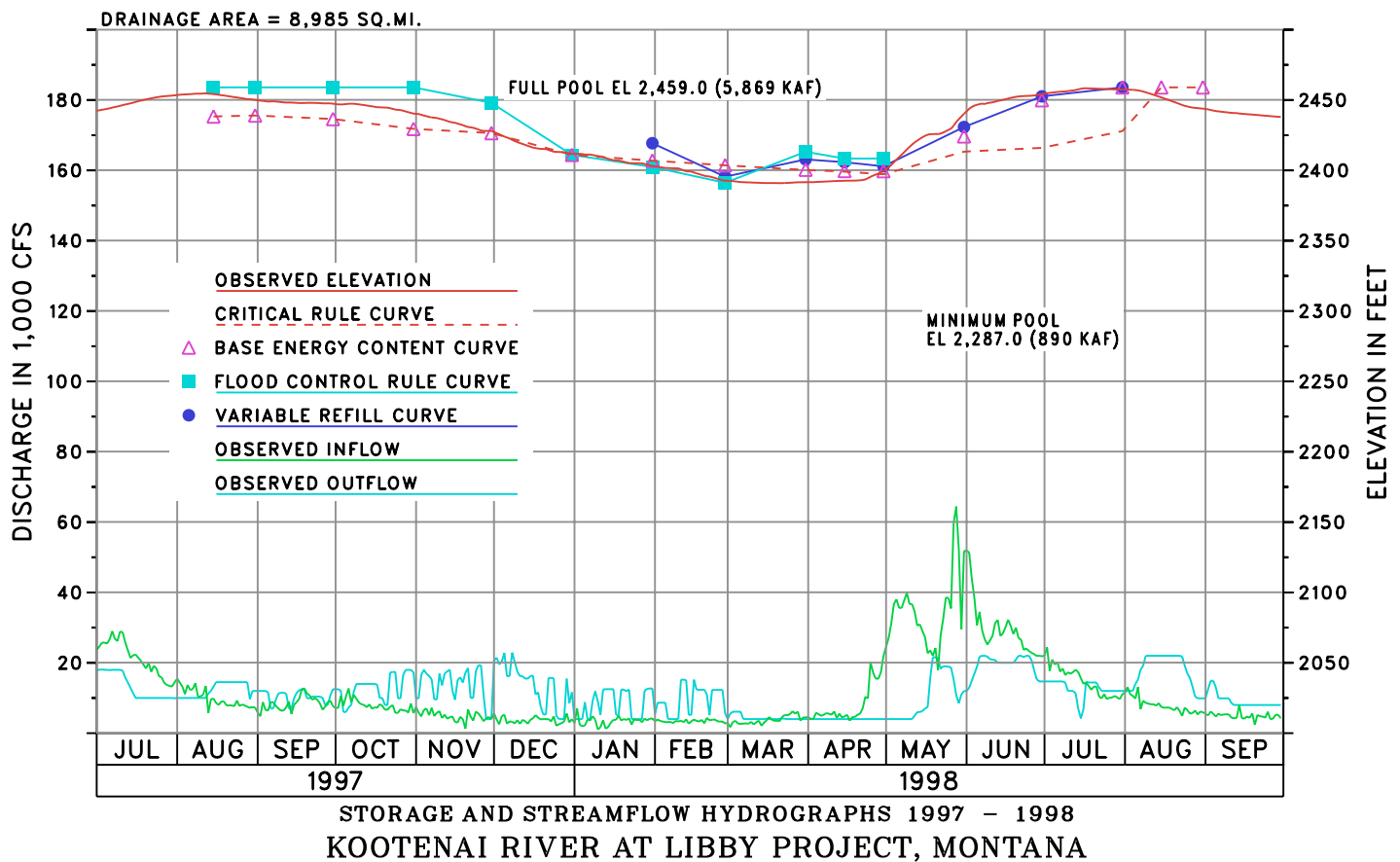
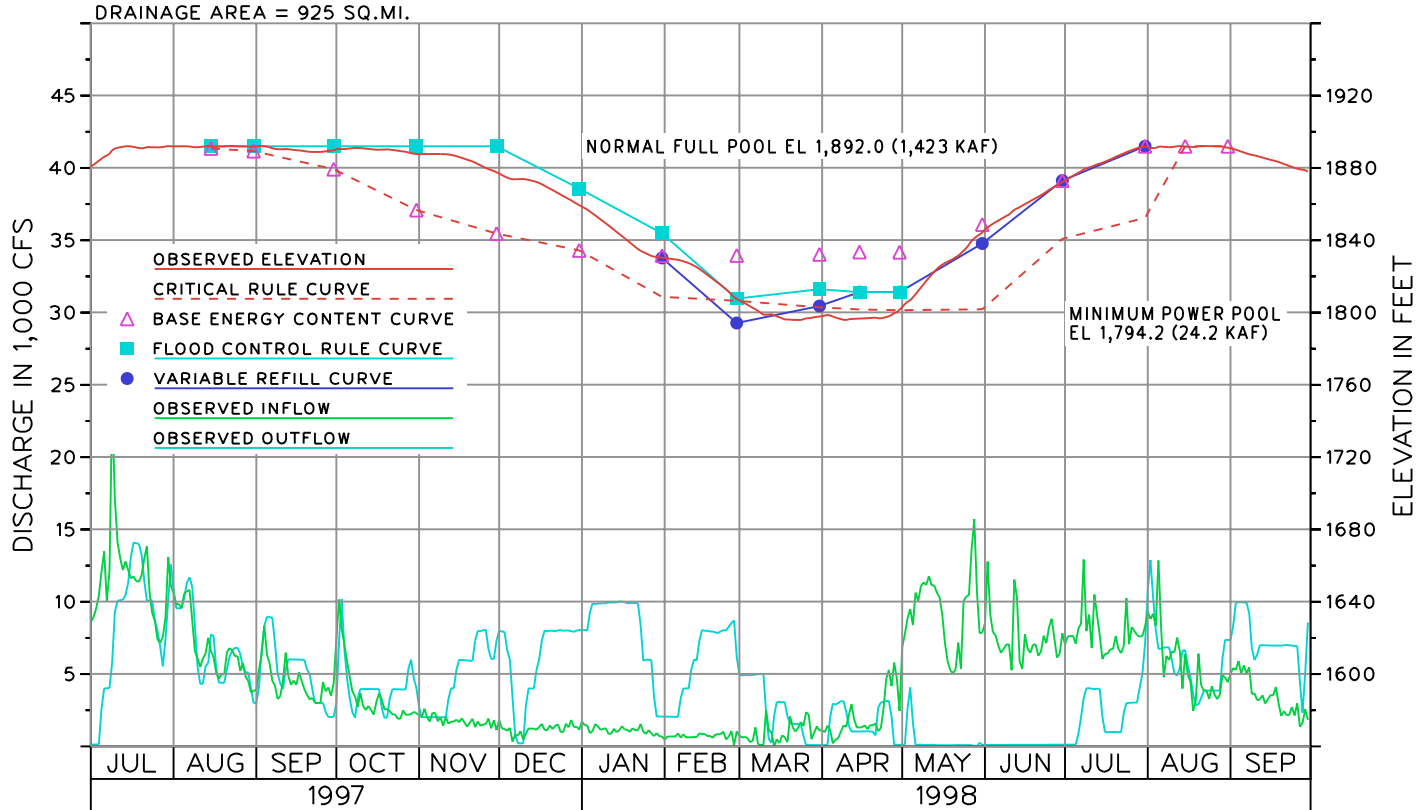
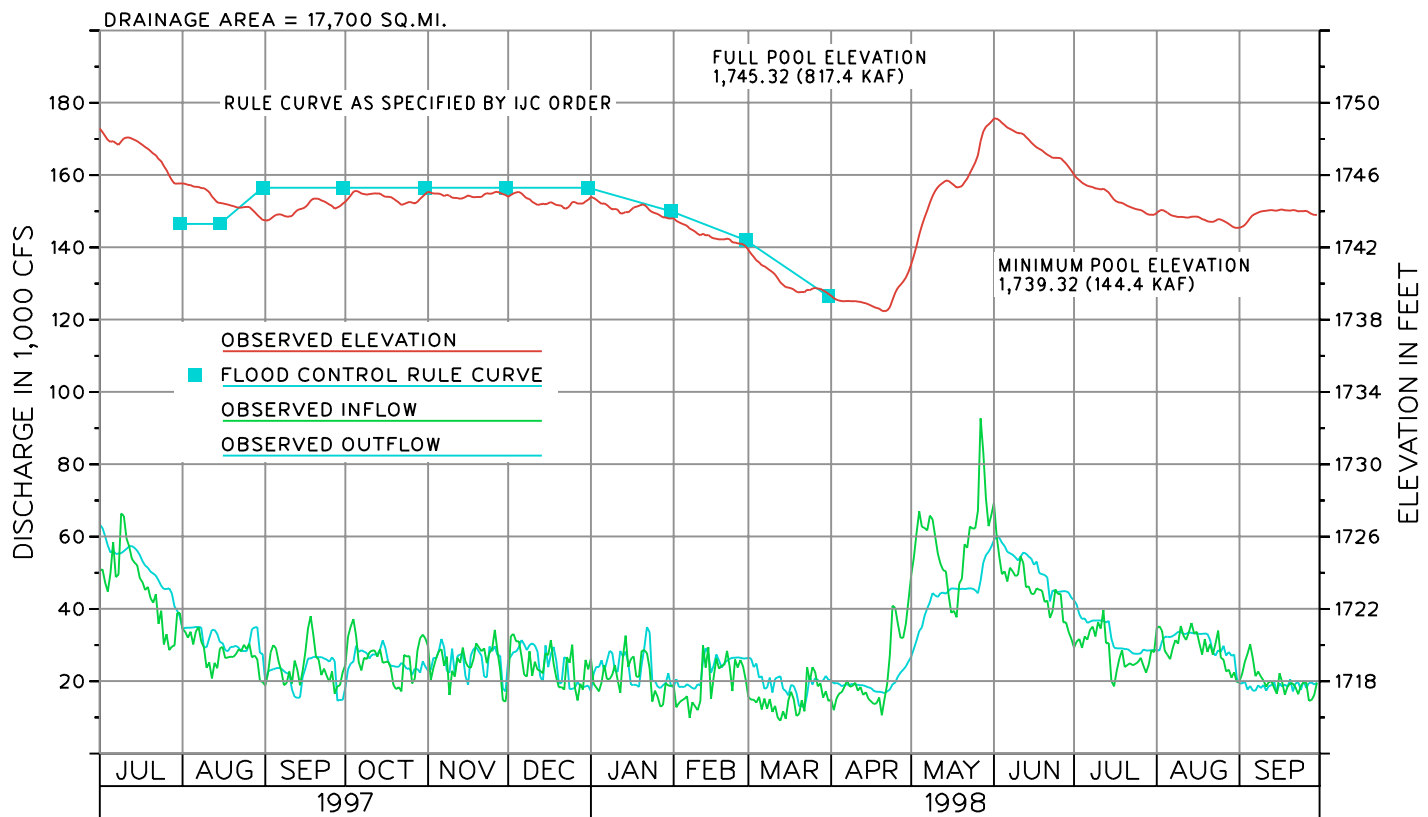


Chart 8



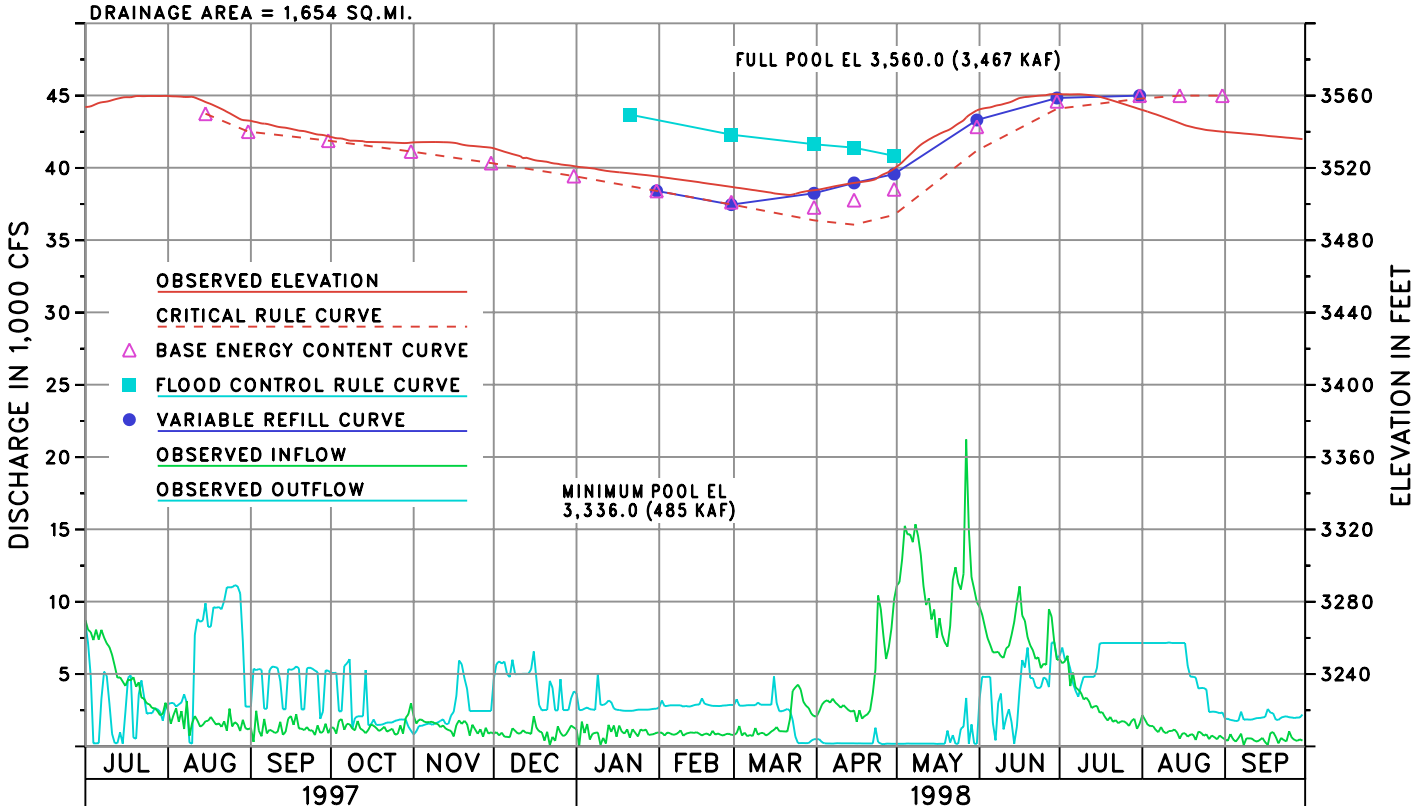
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
DUNCAN RIVER AT DUNCAN PROJECT, BRITISH COLUMBIA

Chart 9

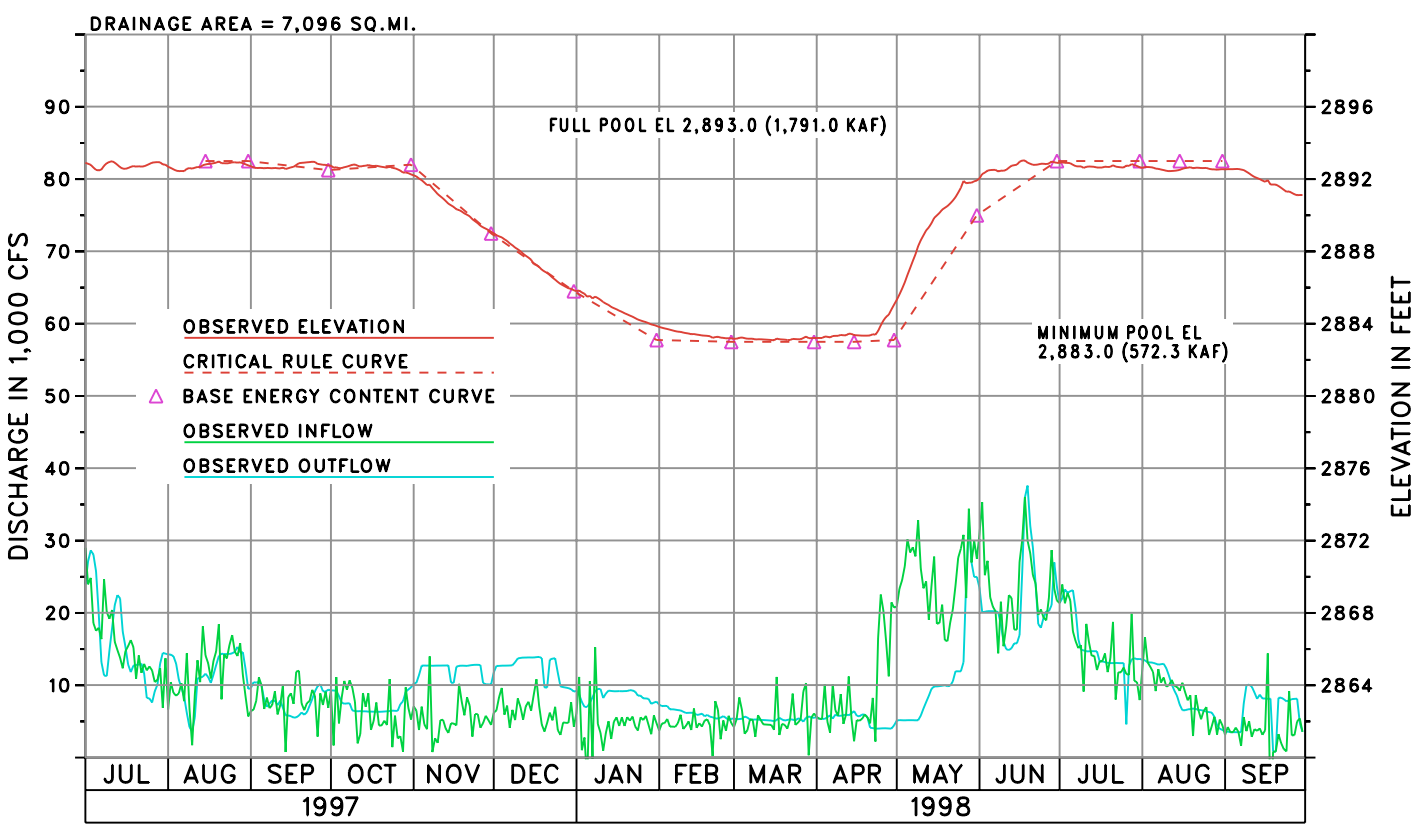


STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
KOOTENAY RIVER AT KOOTENAY LAKE, BRITISH COLUMBIA

Chart 10



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
SOUTH FORK FLATHEAD RIVER AT HUNGRY HORSE PROJECT, MONTANA



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
FLATHEAD RIVER AT FLATHEAD LAKE, MONTANA

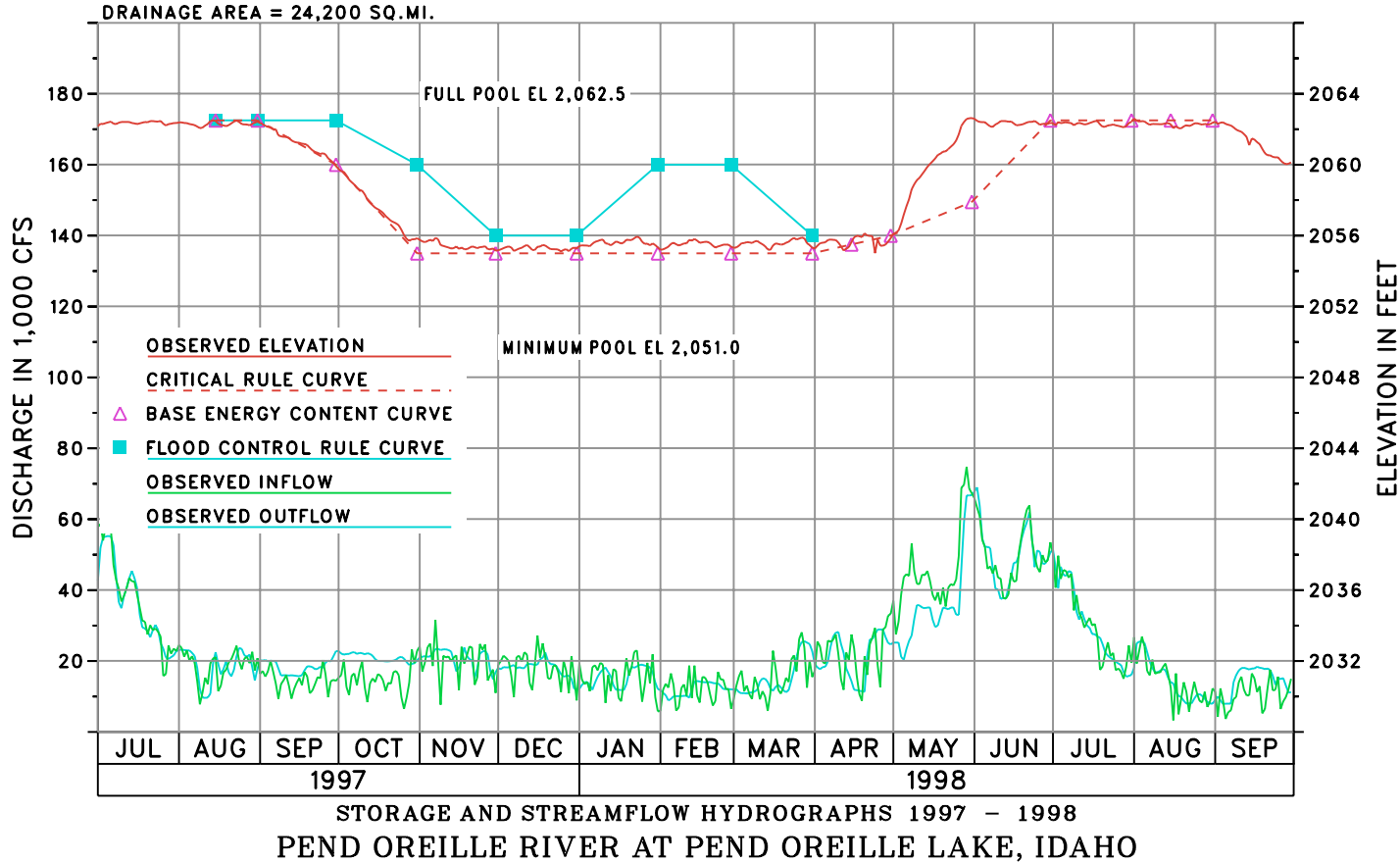


Chart 13

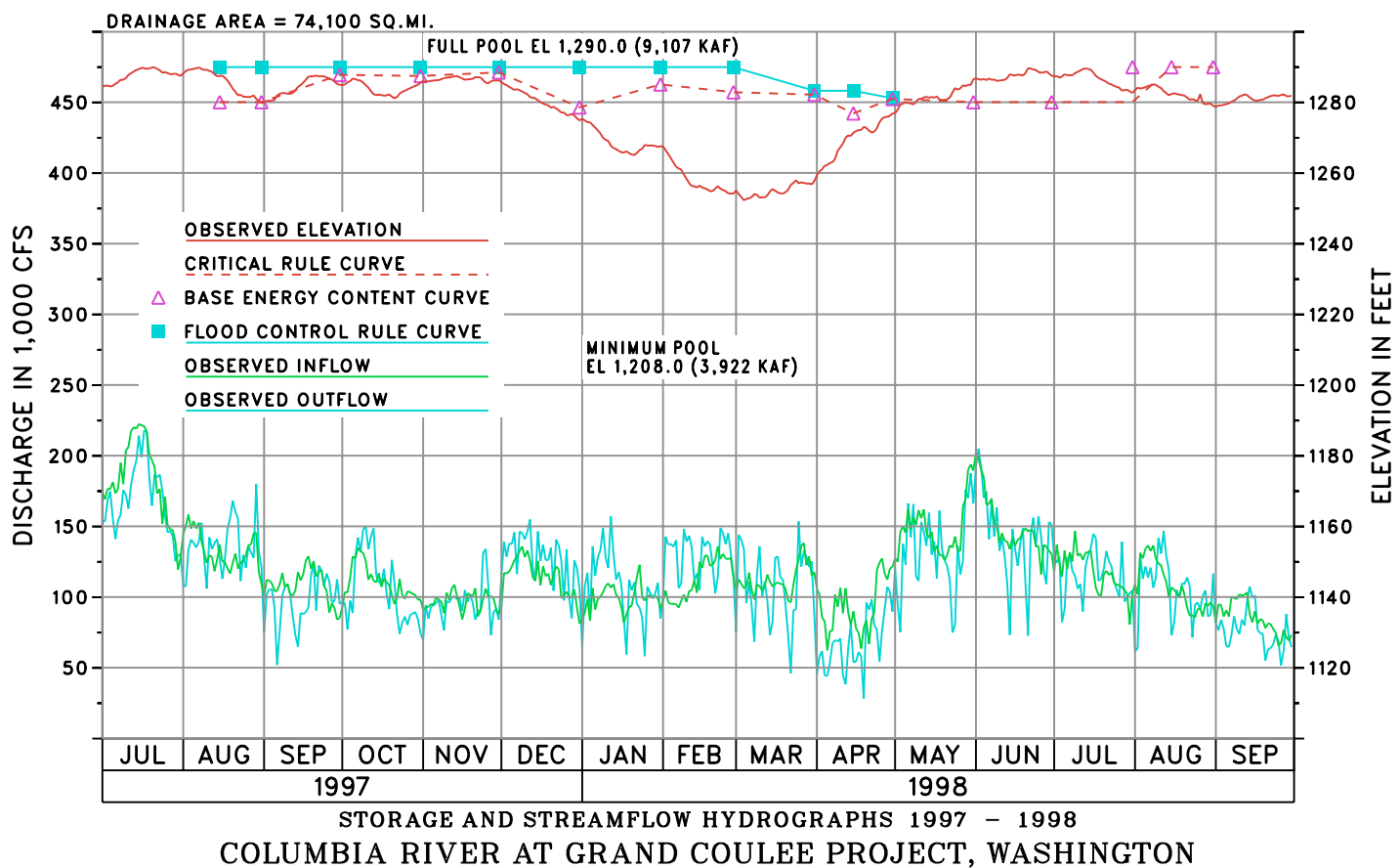
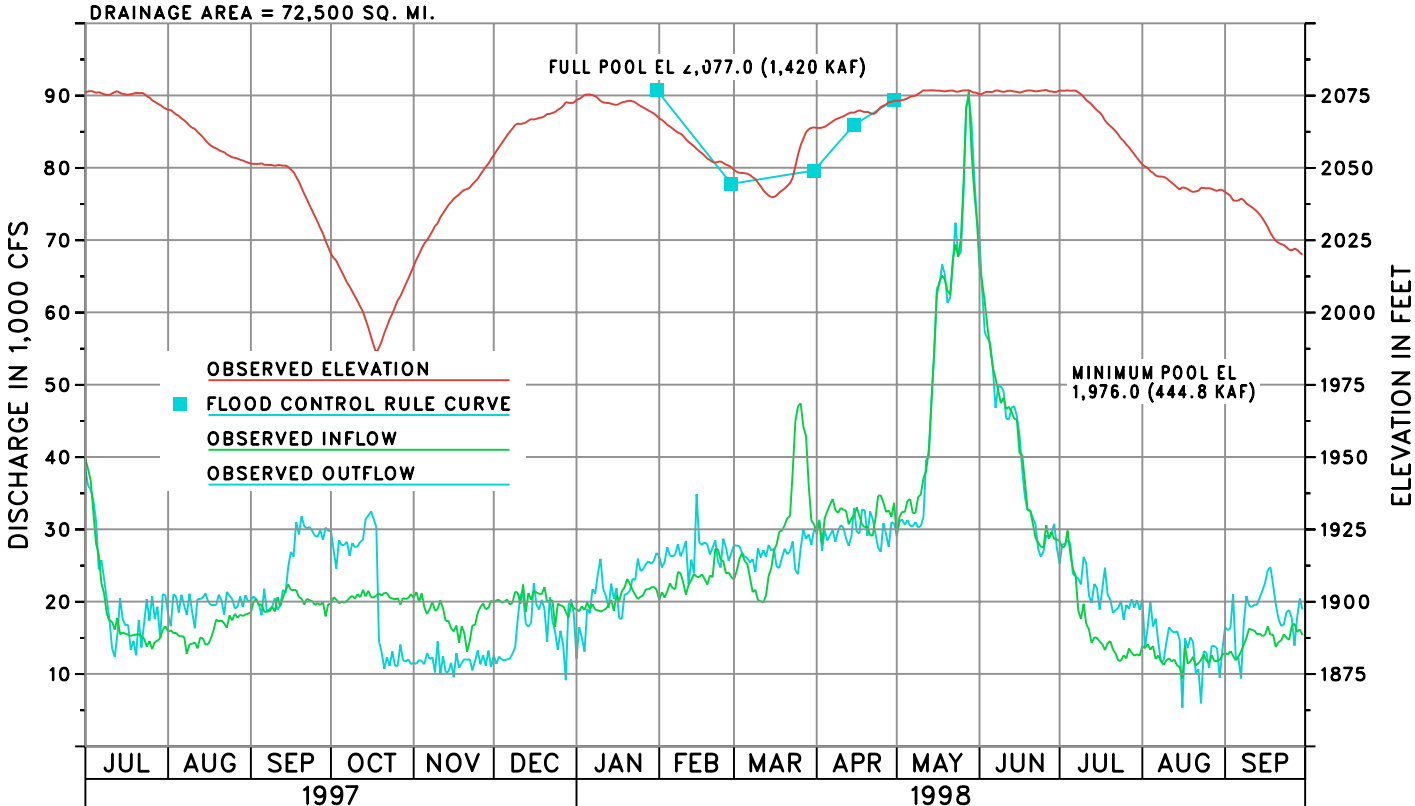
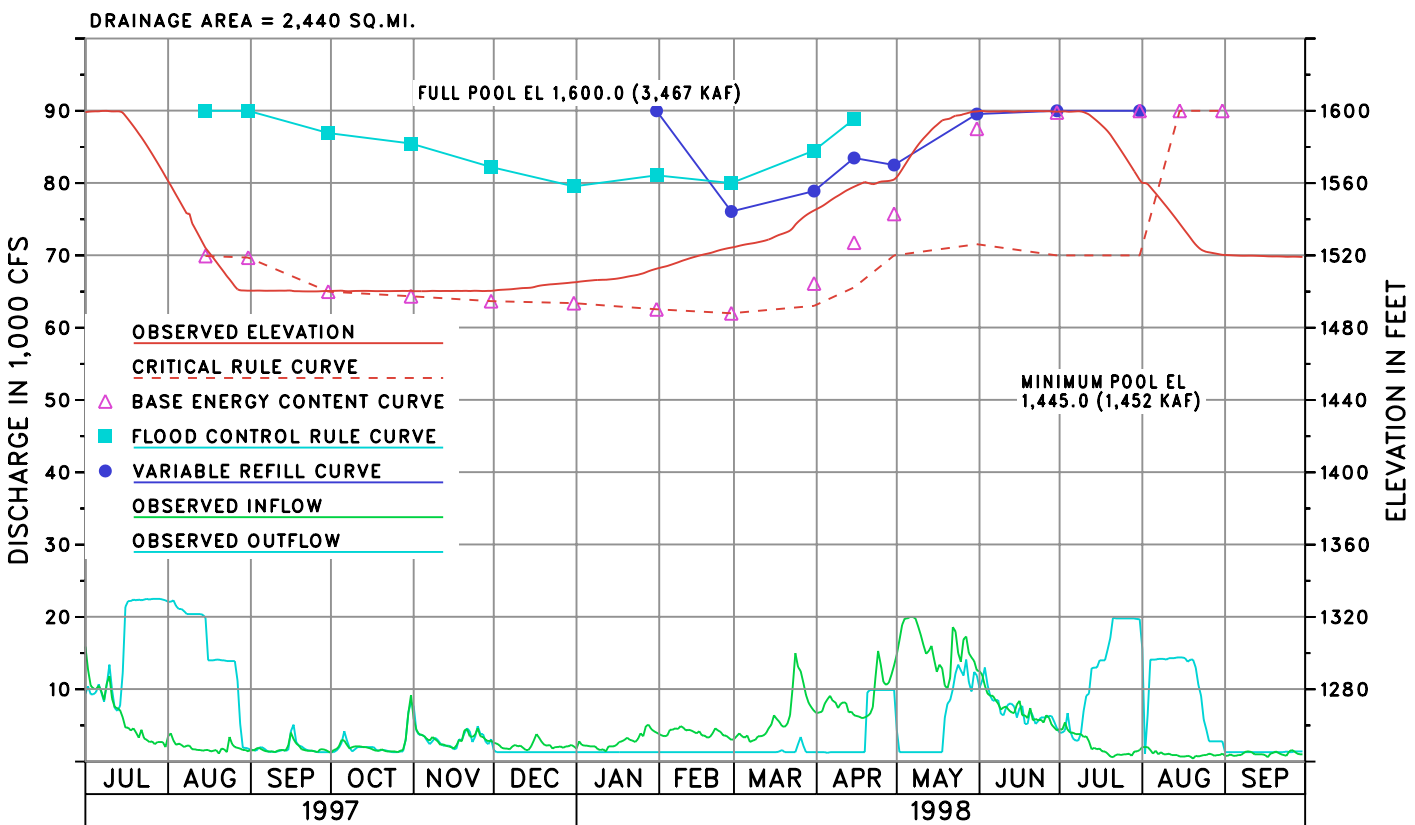


Chart 14



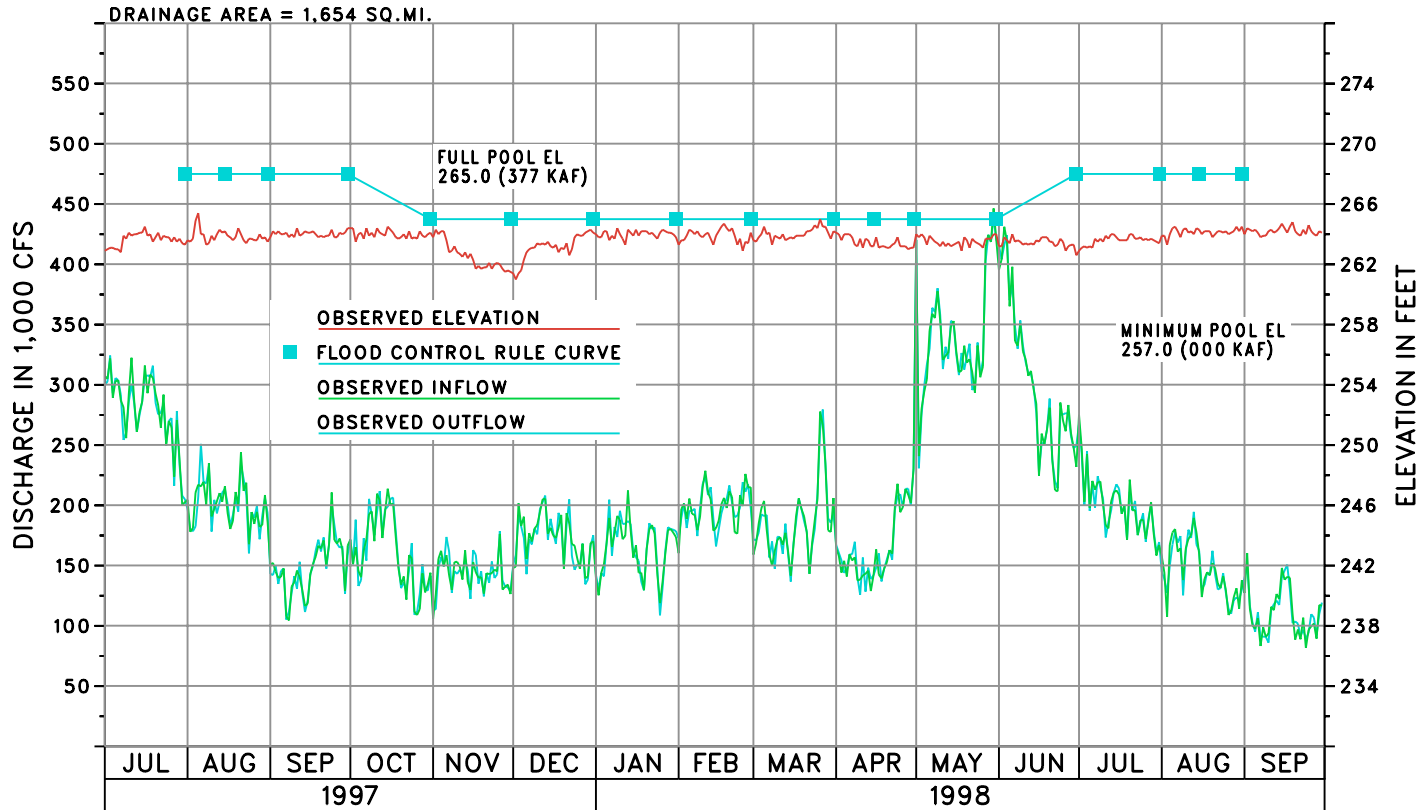
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
 SNAKE RIVER AT BROWNLEE PROJECT, IDAHO - OREGON

Chart 15



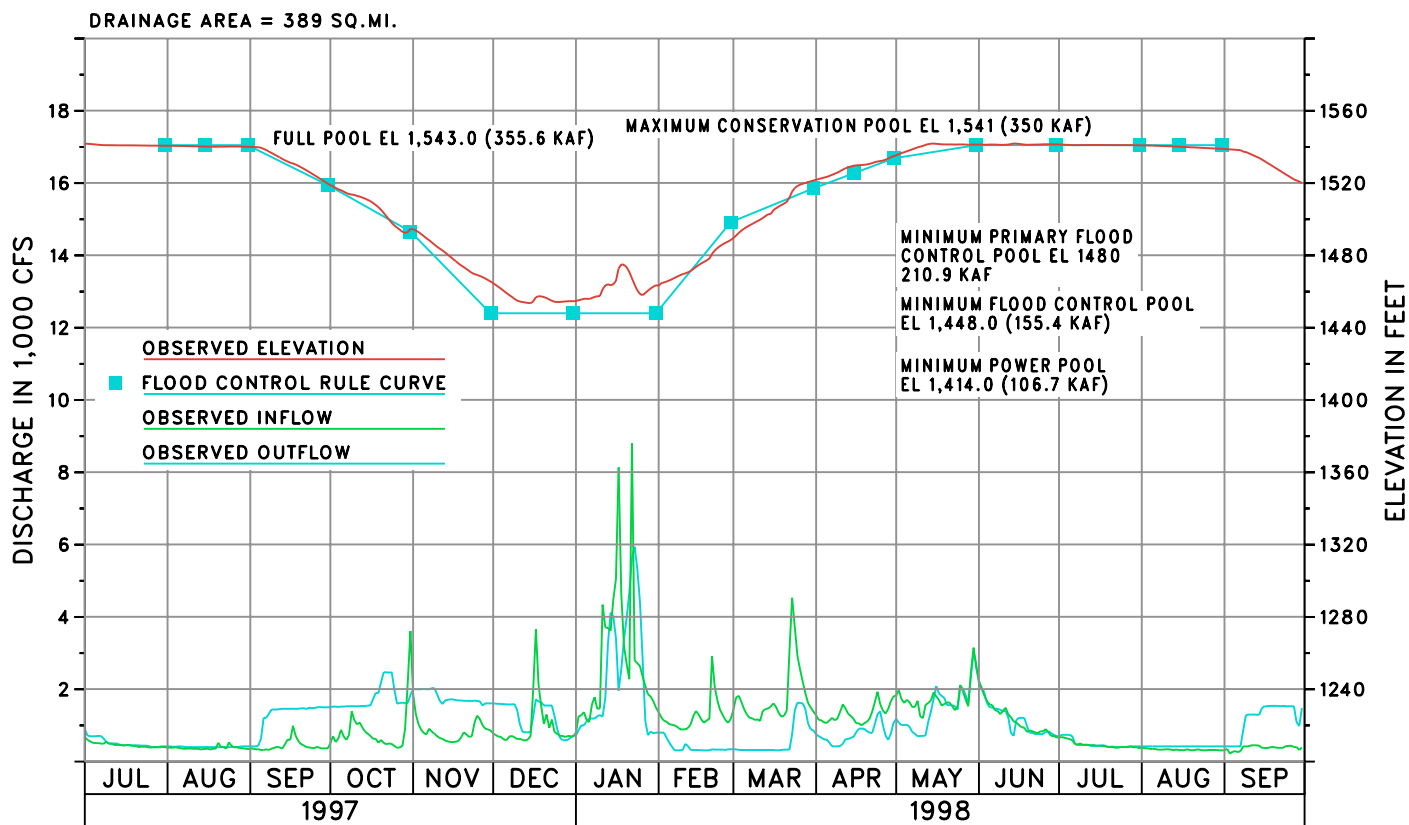
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
 NORTH FORK CLEARWATER RIVER AT DWORSHAK PROJECT, IDAHO

Chart 16



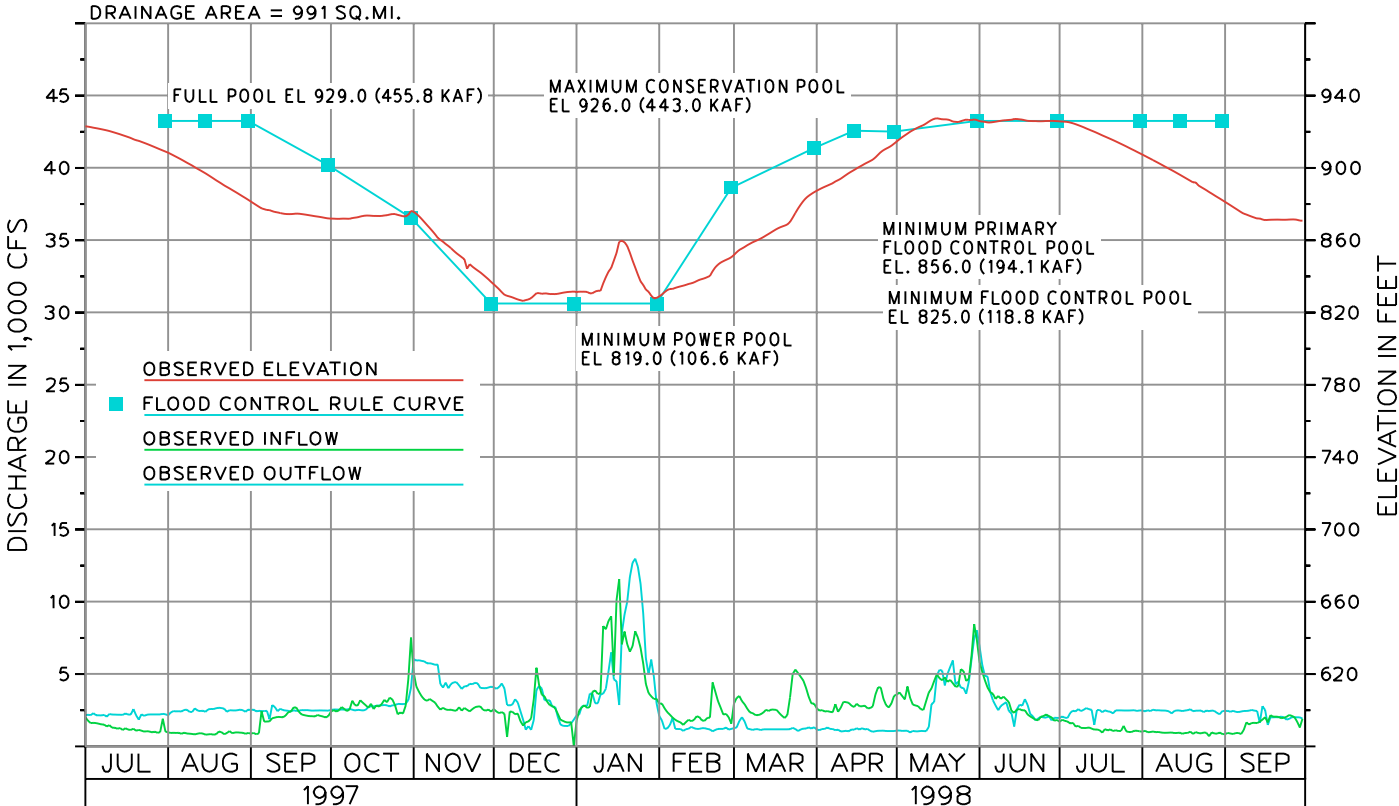
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
 COLUMBIA RIVER AT JOHN DAY PROJECT, OREGON - WASHINGTON

Chart 17

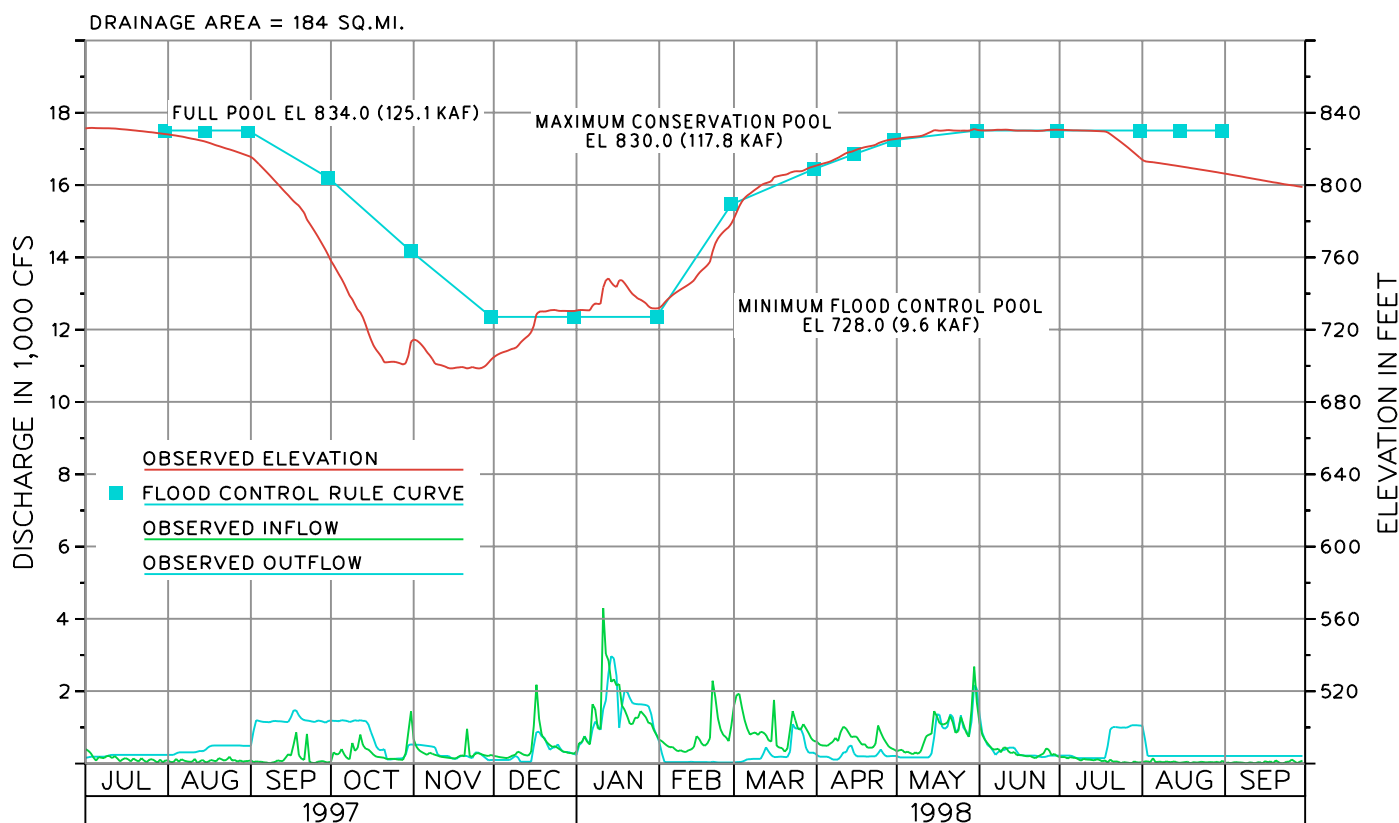


STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
 MIDDLE FORK WILLAMETTE RIVER AT HILLS CREEK PROJECT, OREGON

Chart 18



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
MIDDLE FORK WILLAMETTE RIVER AT LOOKOUT POINT PROJECT, OREGON
Chart 19



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
FALL CREEK AT FALL CREEK PROJECT, OREGON

Chart 20

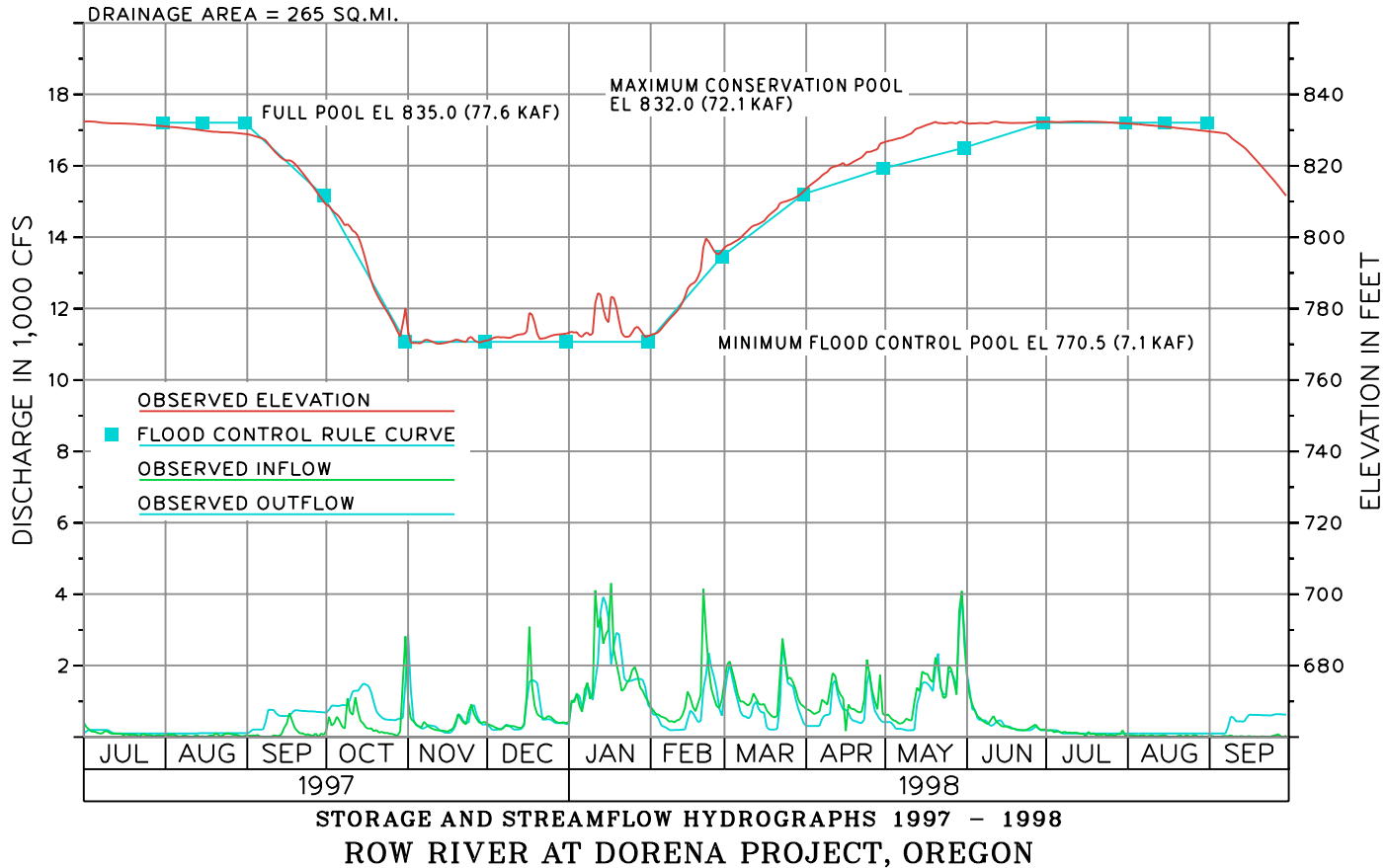


Chart 21

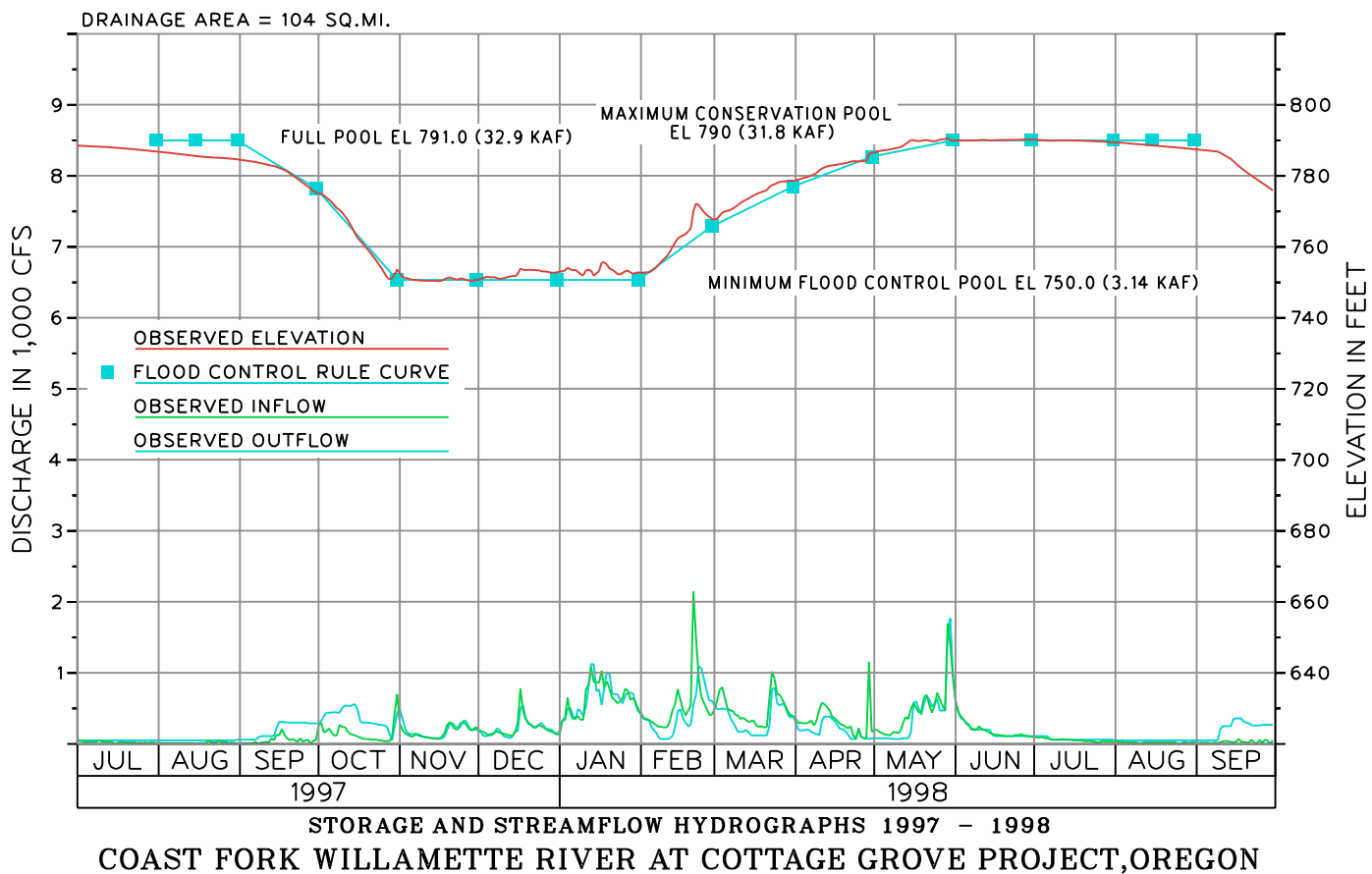


Chart 22

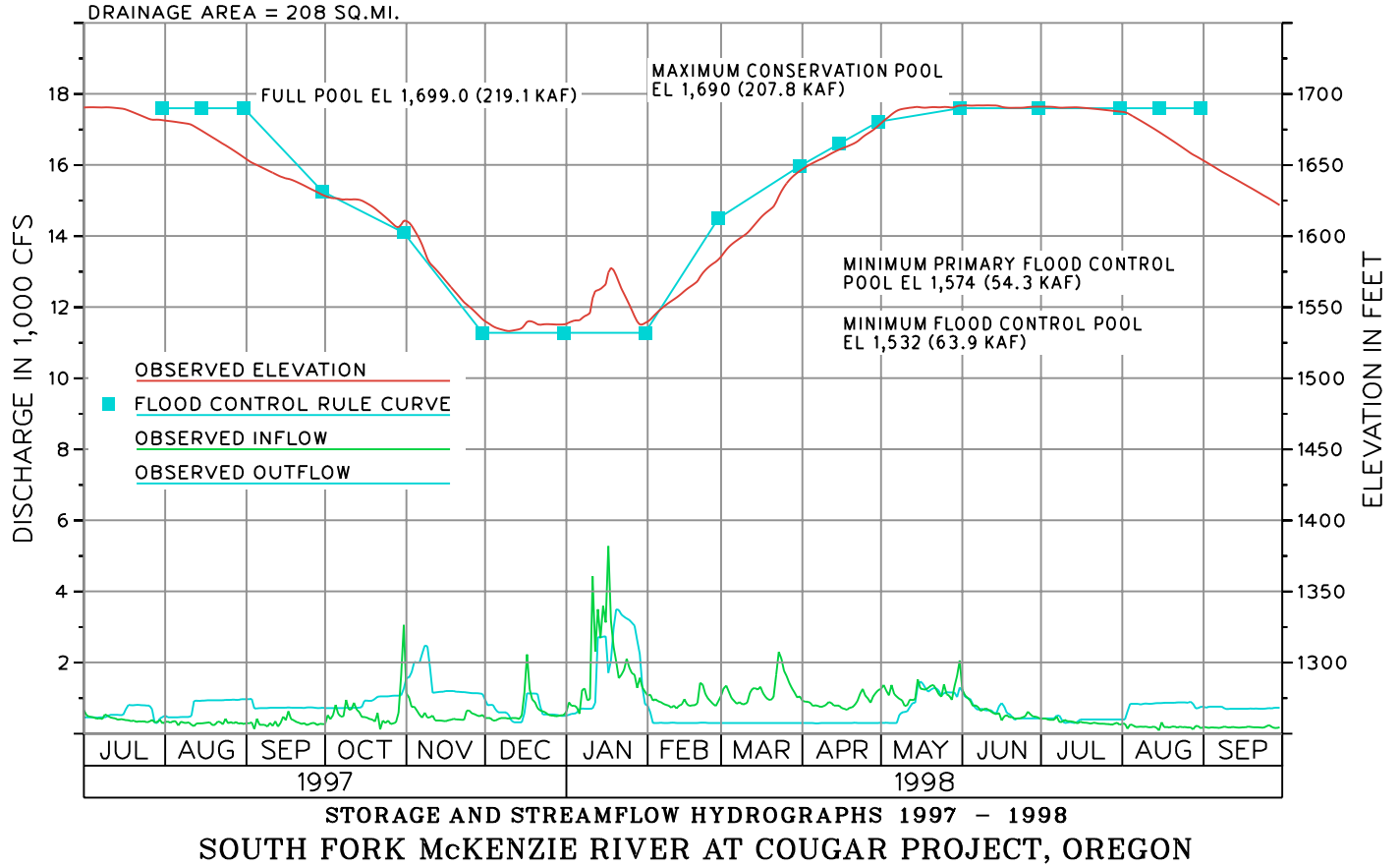


Chart 23

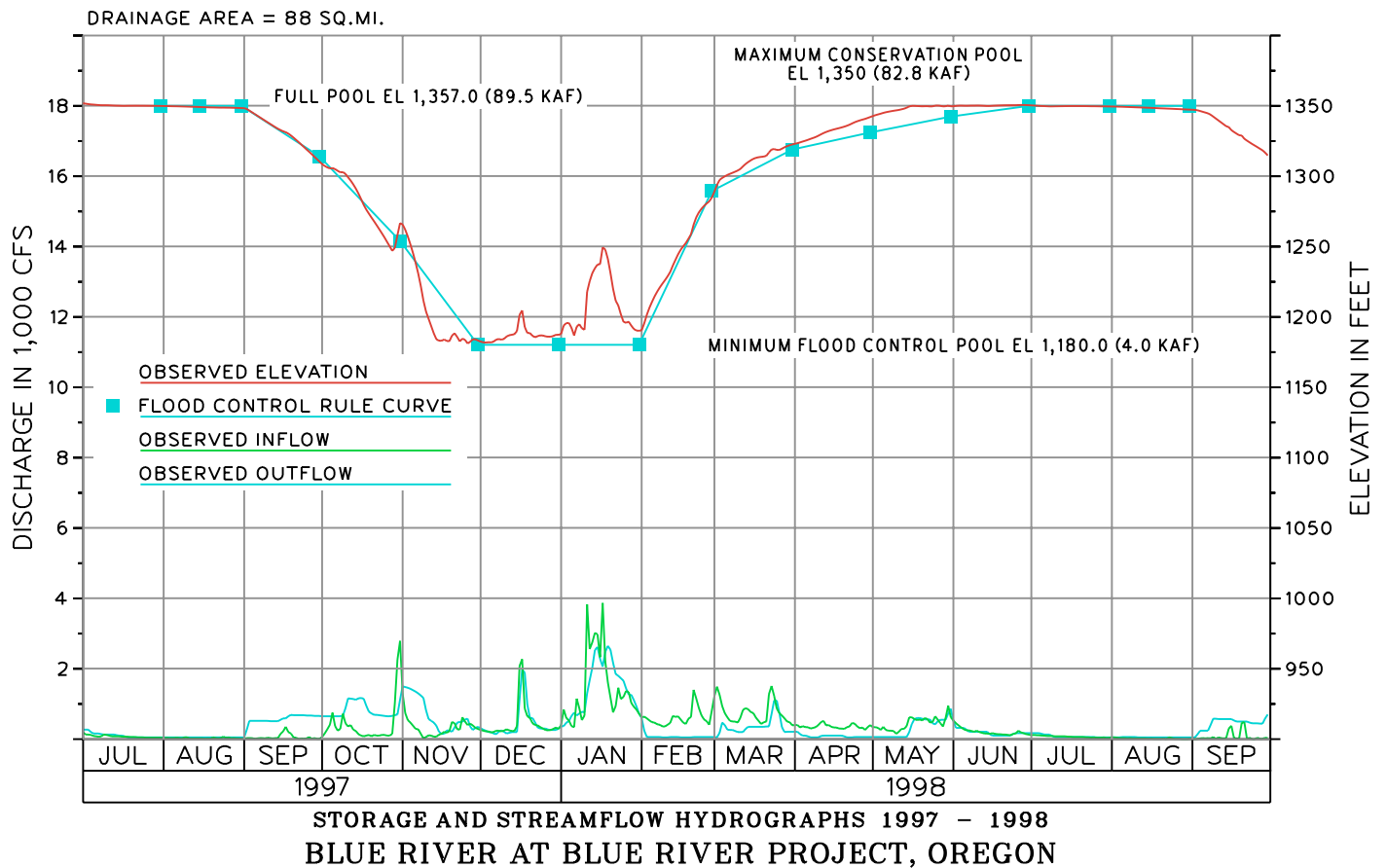
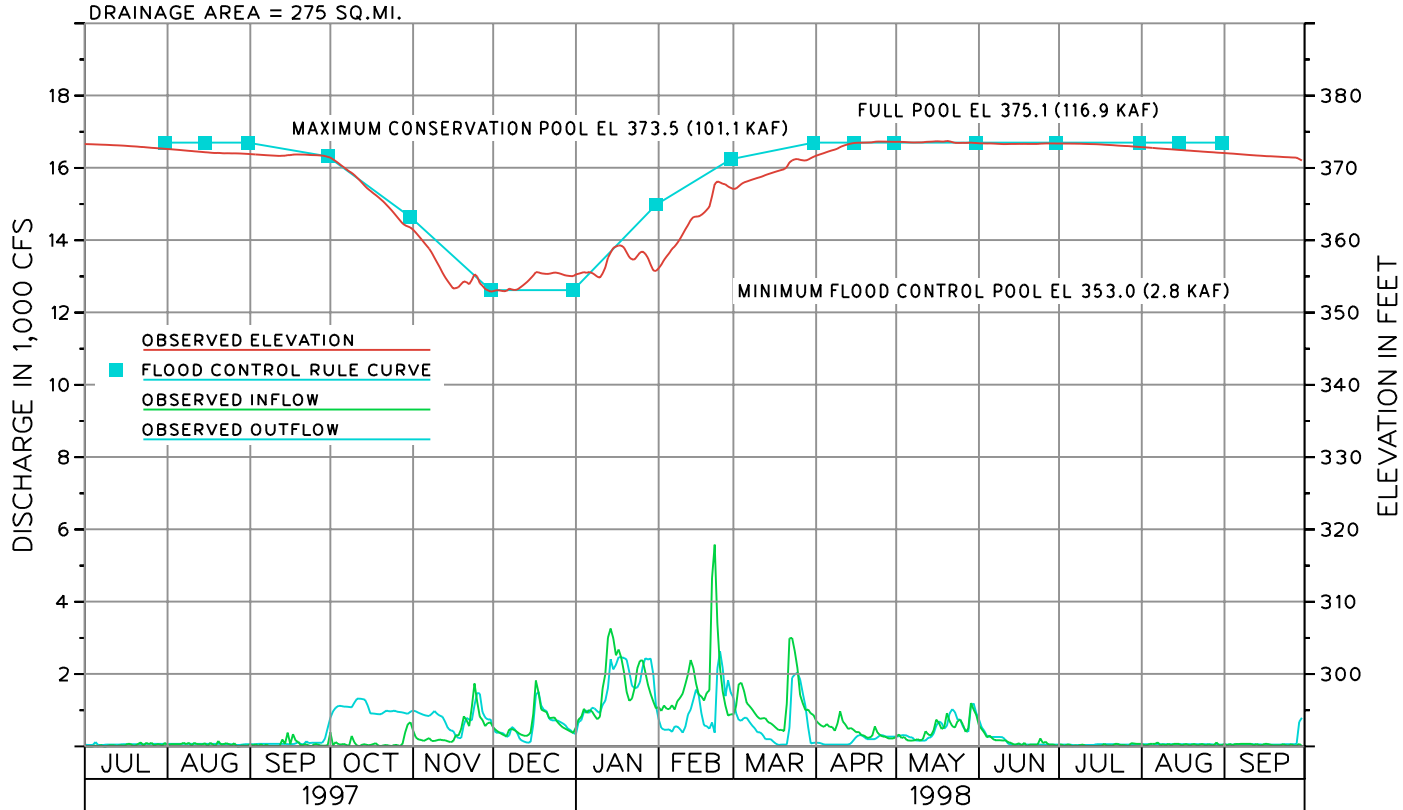
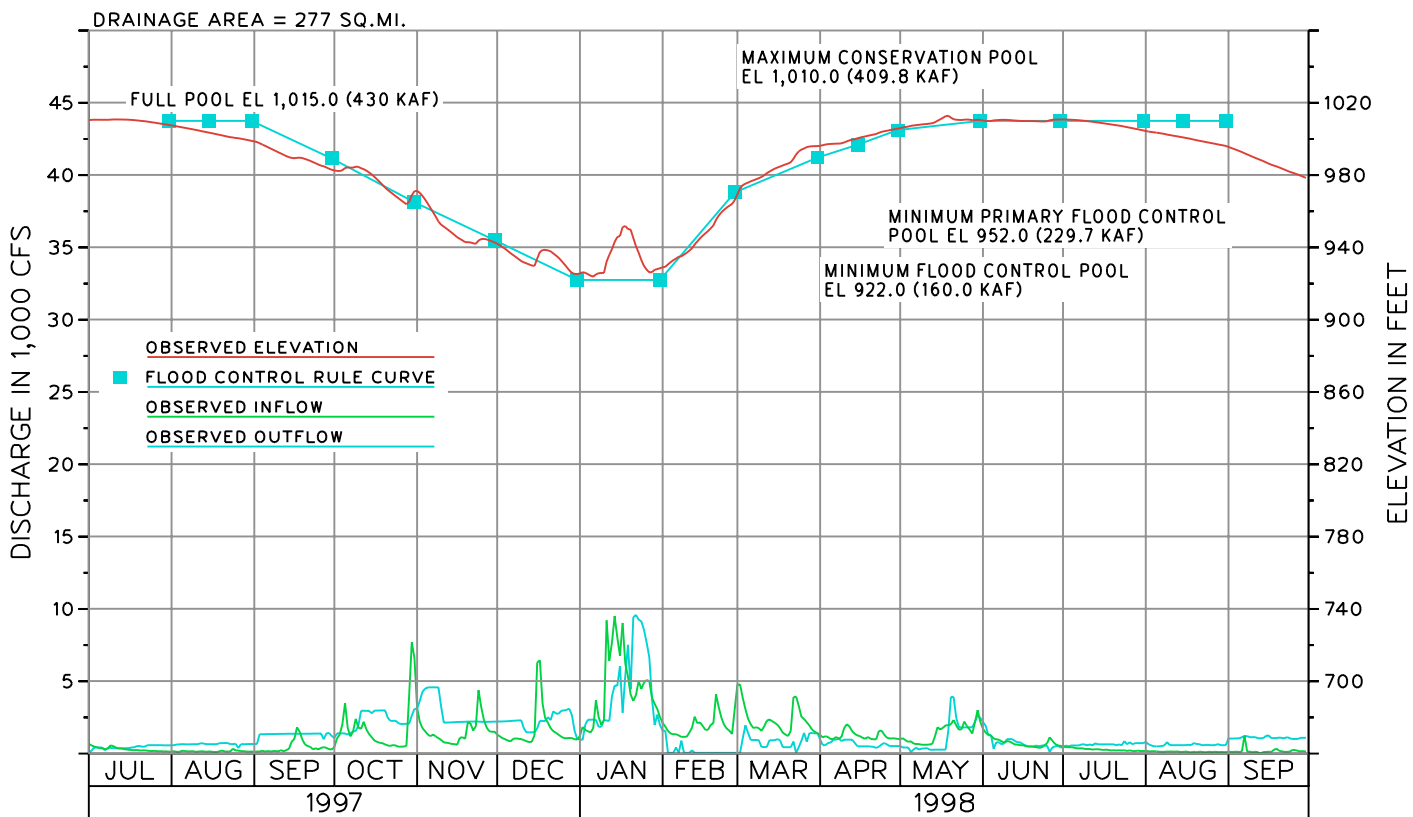


Chart 24



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
LONG TOM RIVER AT FERN RIDGE PROJECT, OREGON

Chart 25



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
MIDDLE SANTIAM RIVER AT GREEN PETER PROJECT, OREGON

Chart 26

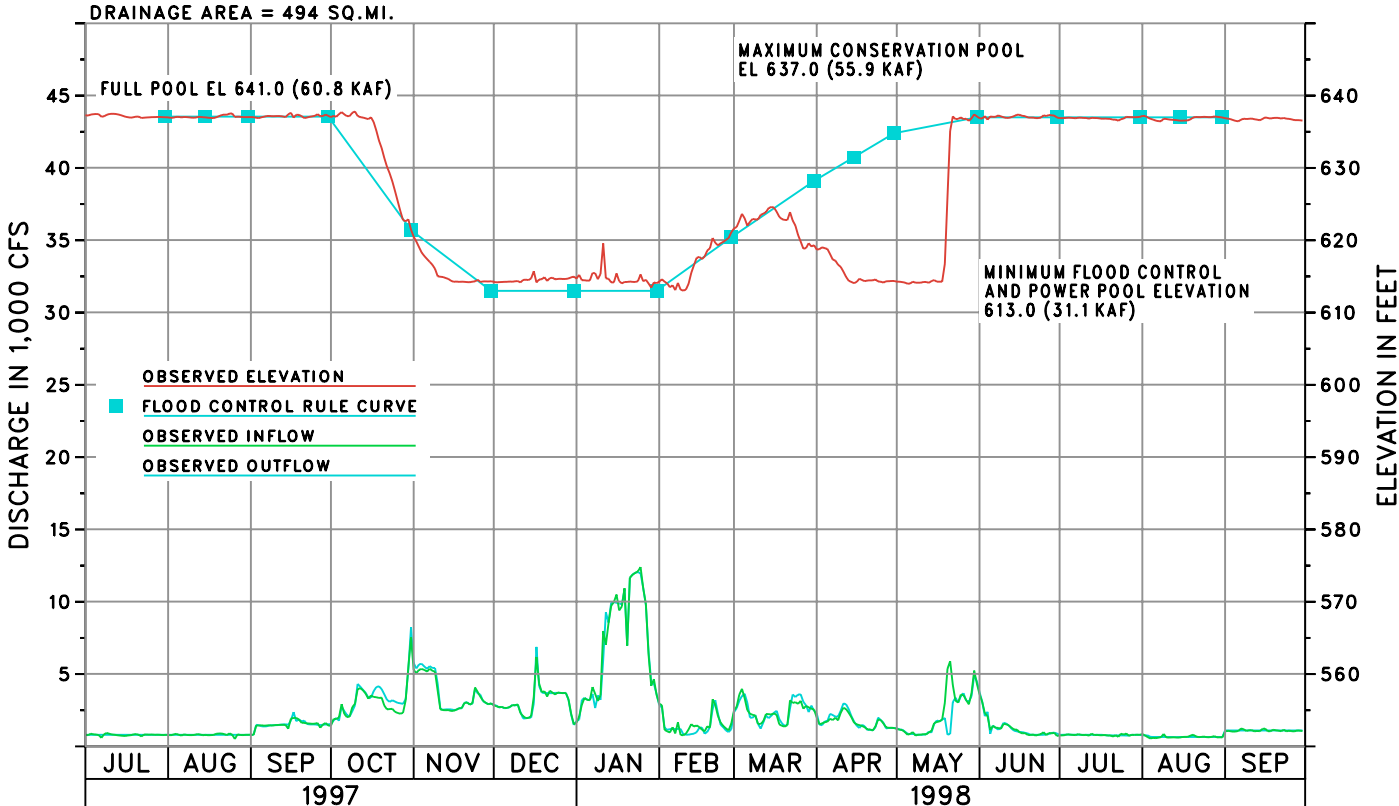


Chart 27

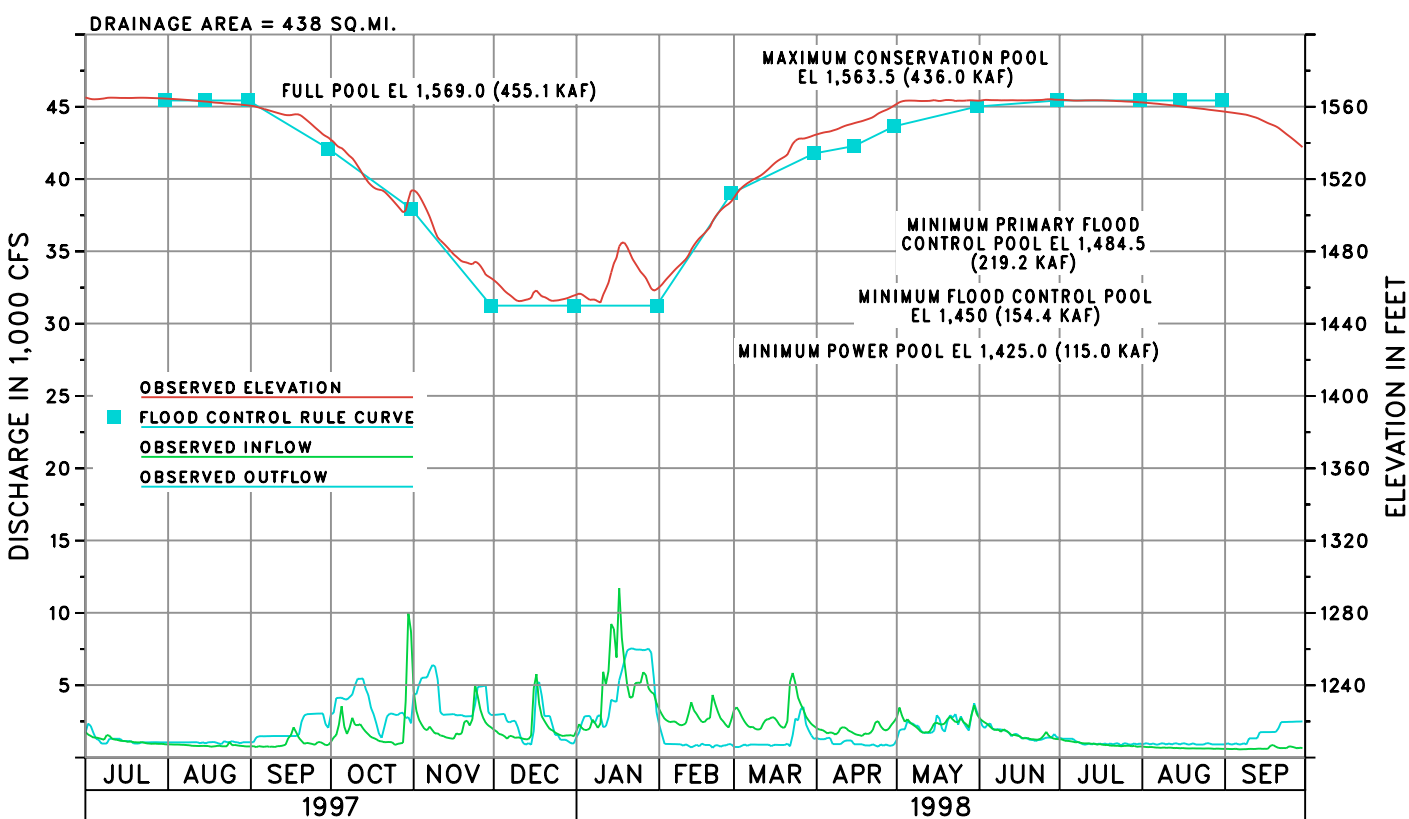


Chart 28

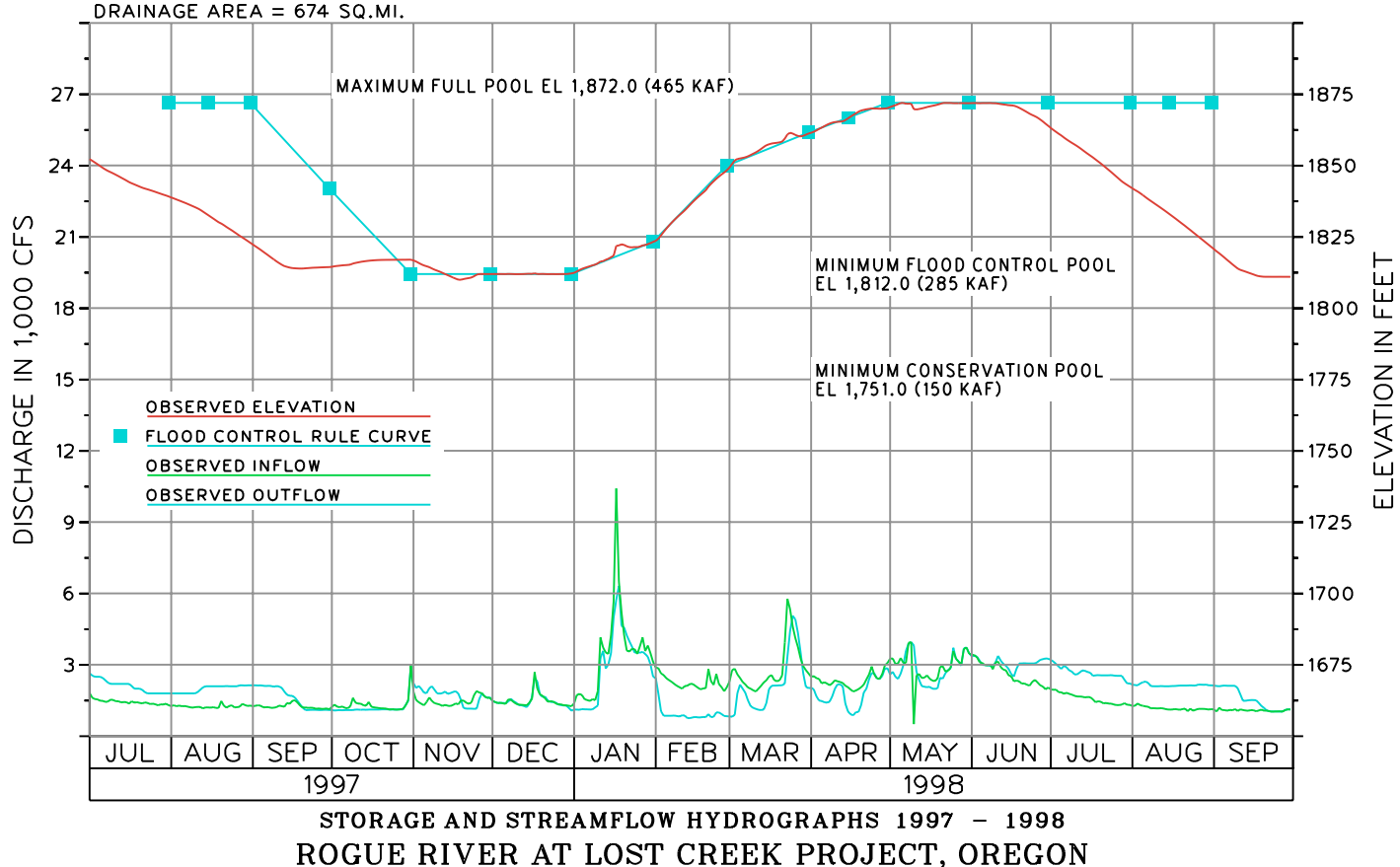


Chart 29

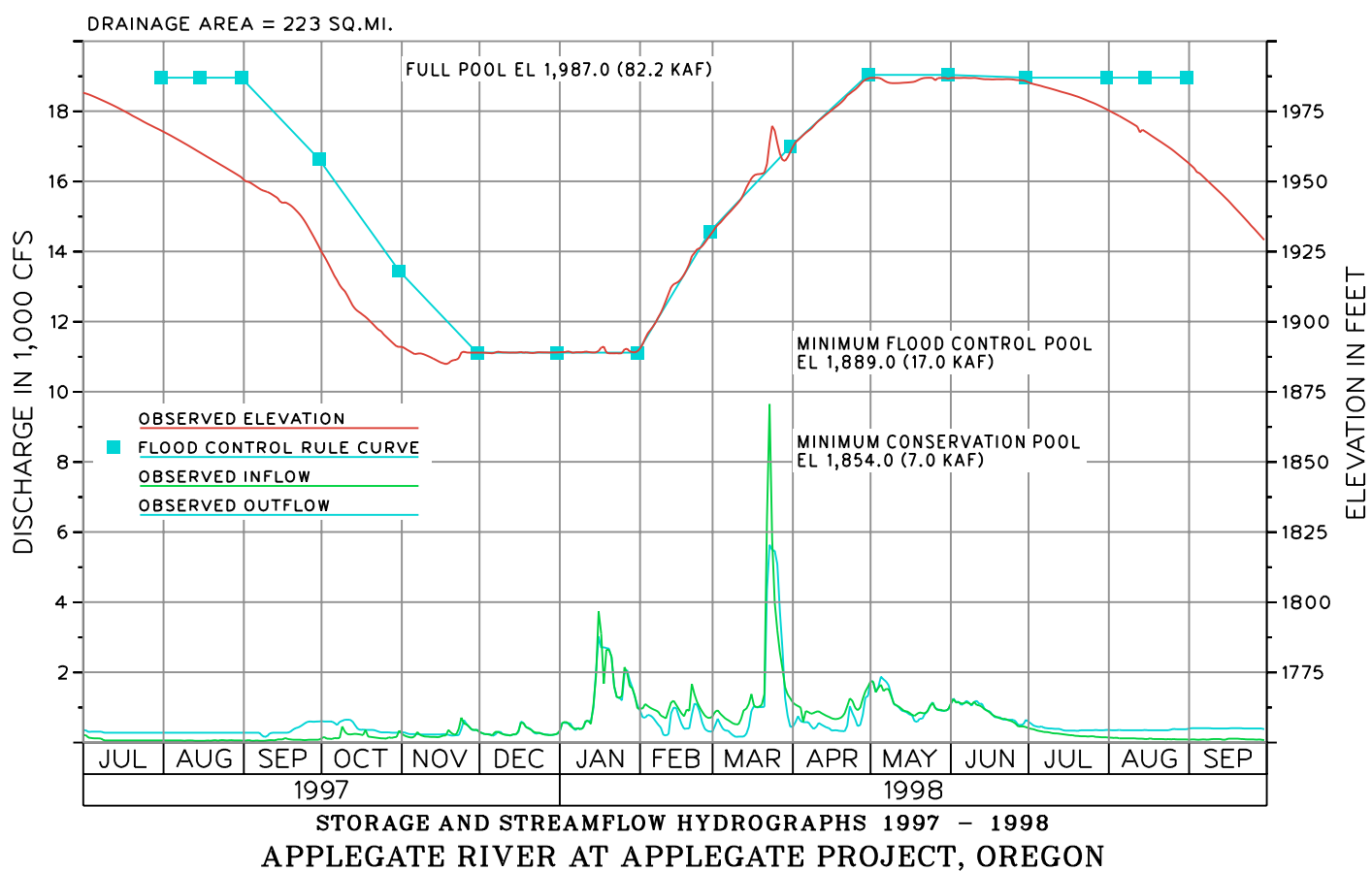
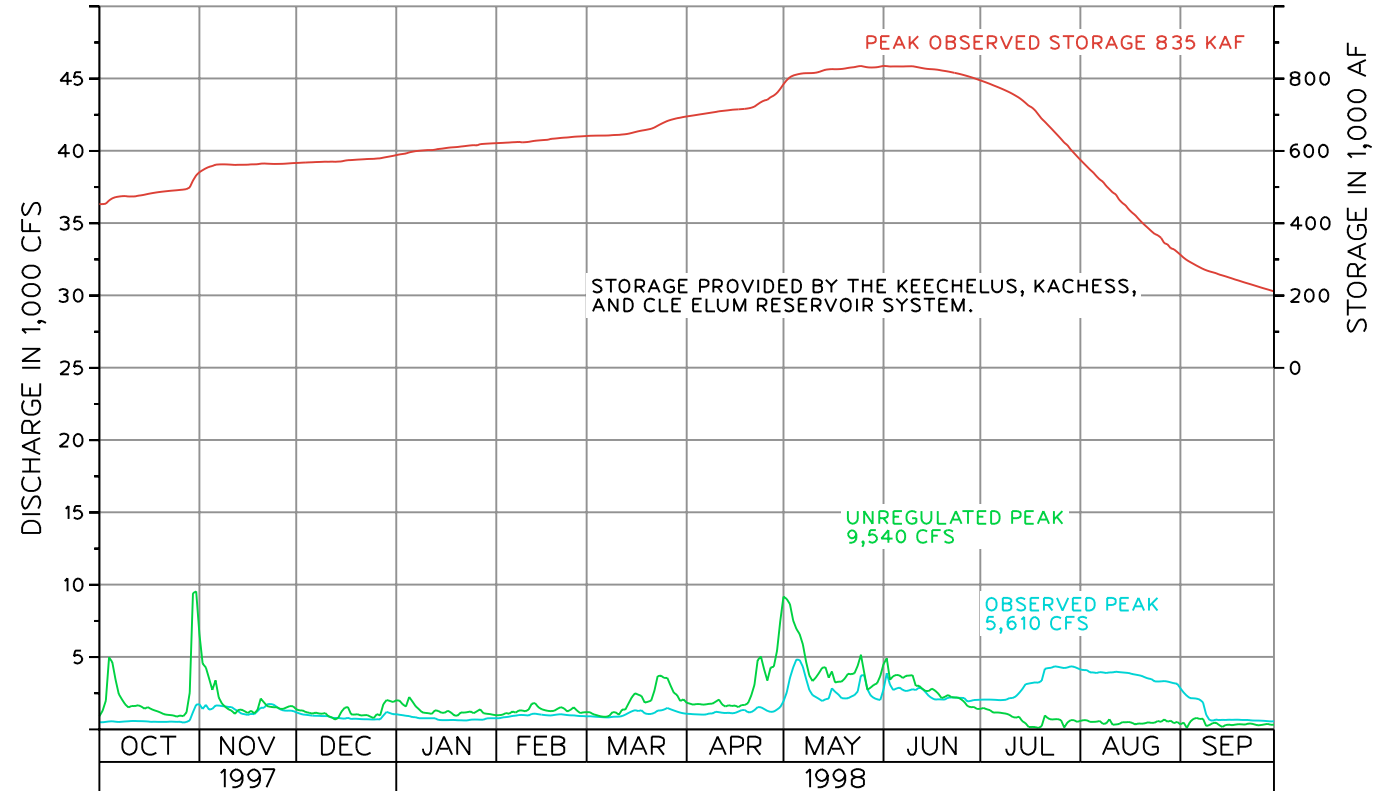


Chart 30

DRAINAGE AREA = 495 SQ.MI.

ACTIVE CAPACITY 834 KAF

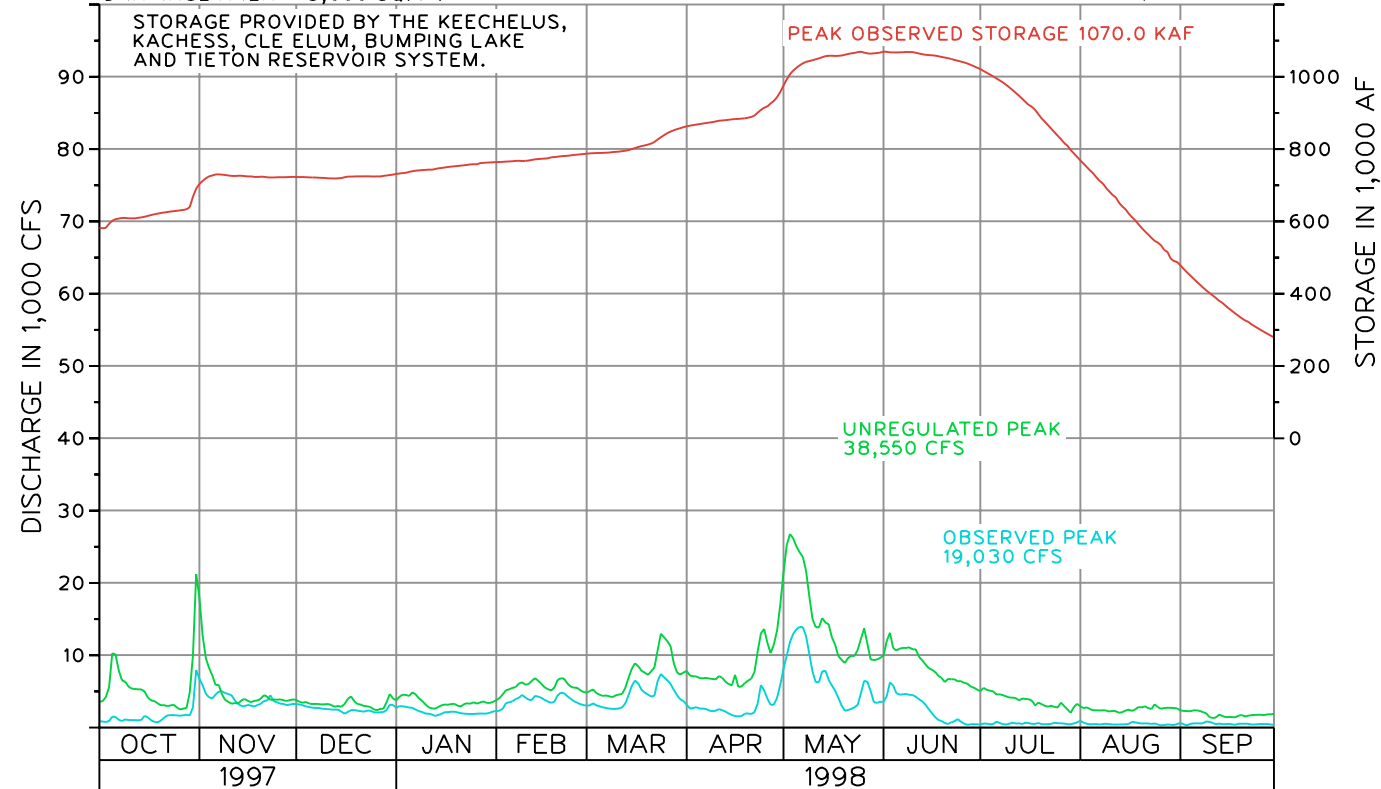


STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
YAKIMA RIVER AT CLE ELUM, WASHINGTON

Chart 31

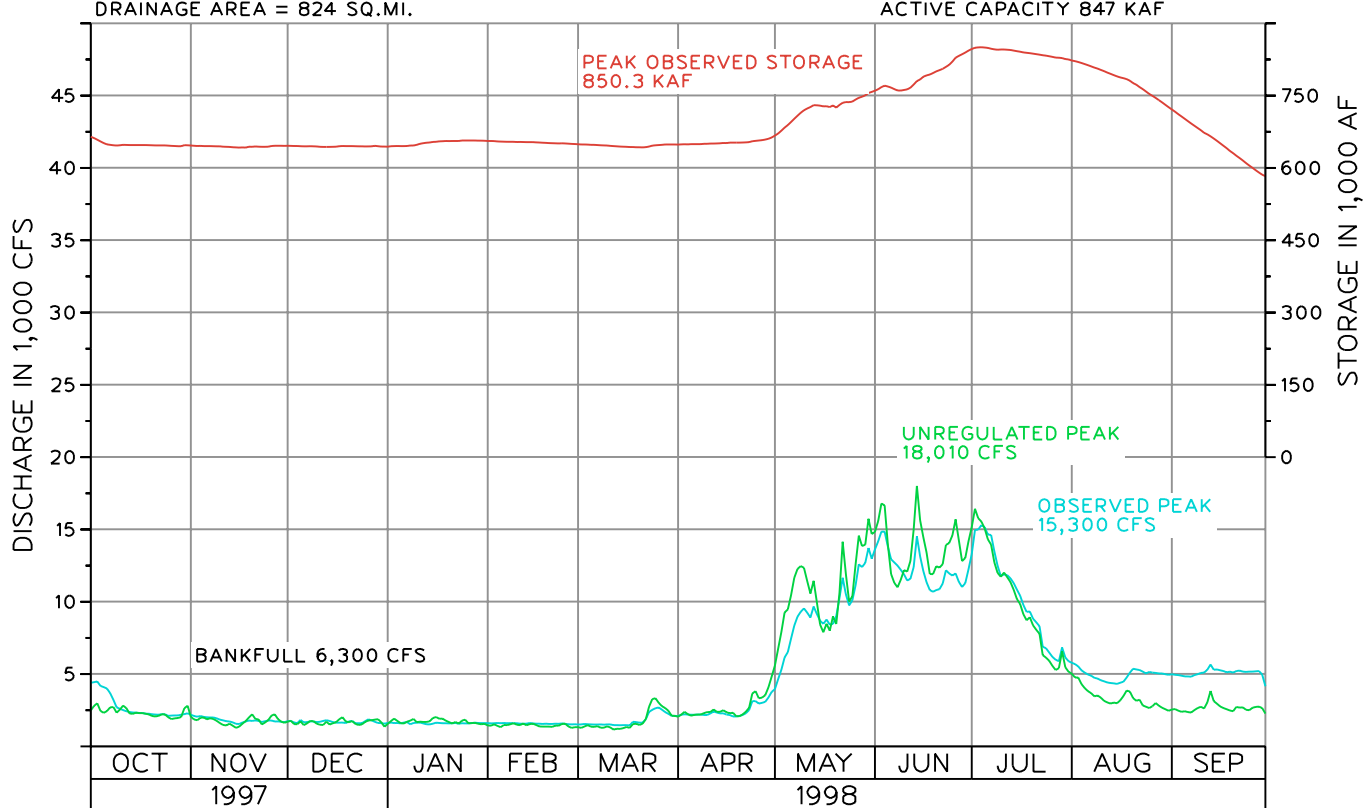
DRAINAGE AREA = 3,660 SQ.MI.

ACTIVE CAPACITY 1,066 KAF



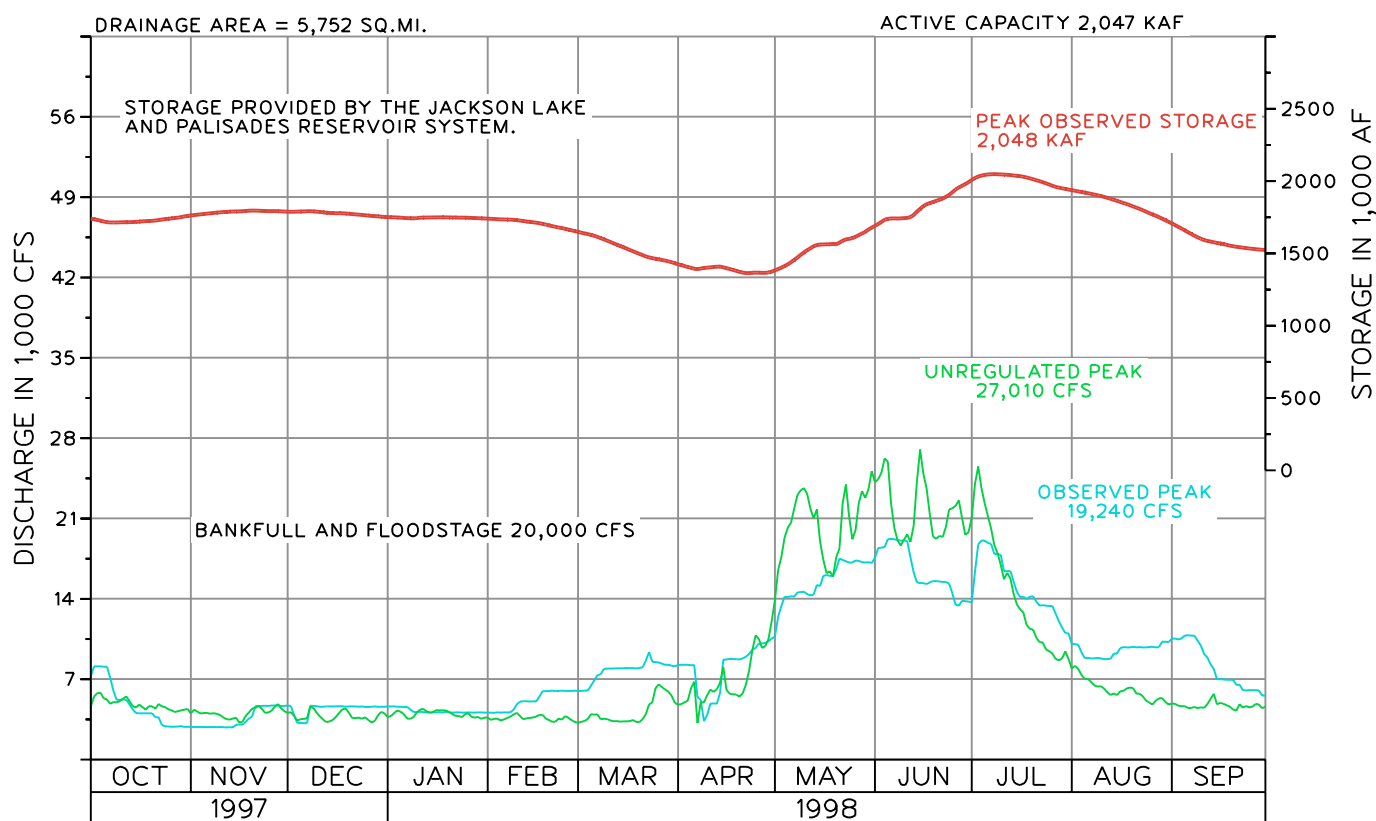
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
YAKIMA RIVER AT PARKER, WASHINGTON

Chart 32



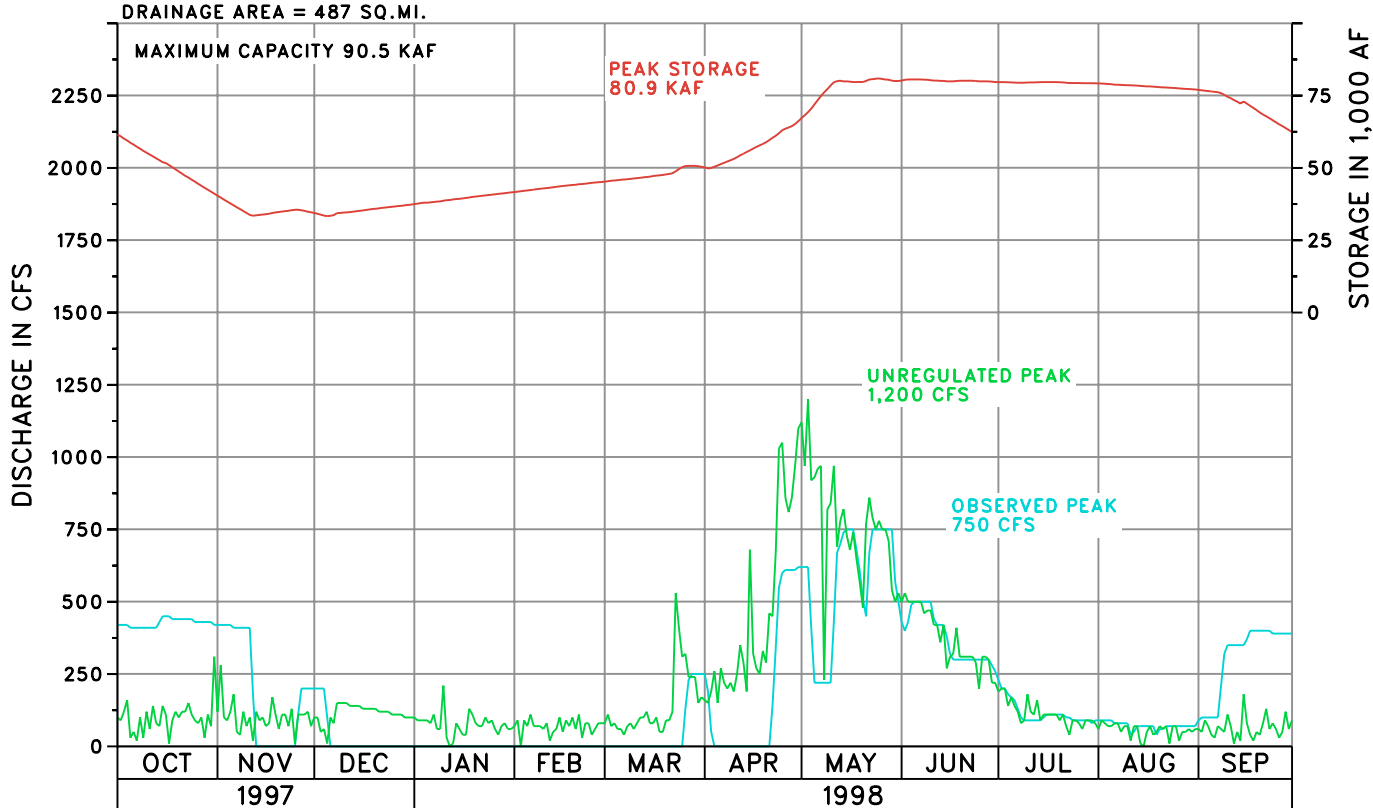
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
SNAKE RIVER AT JACKSON LAKE, WYOMING

Chart 33



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
SNAKE RIVER NEAR HEISE, IDAHO

Chart 34



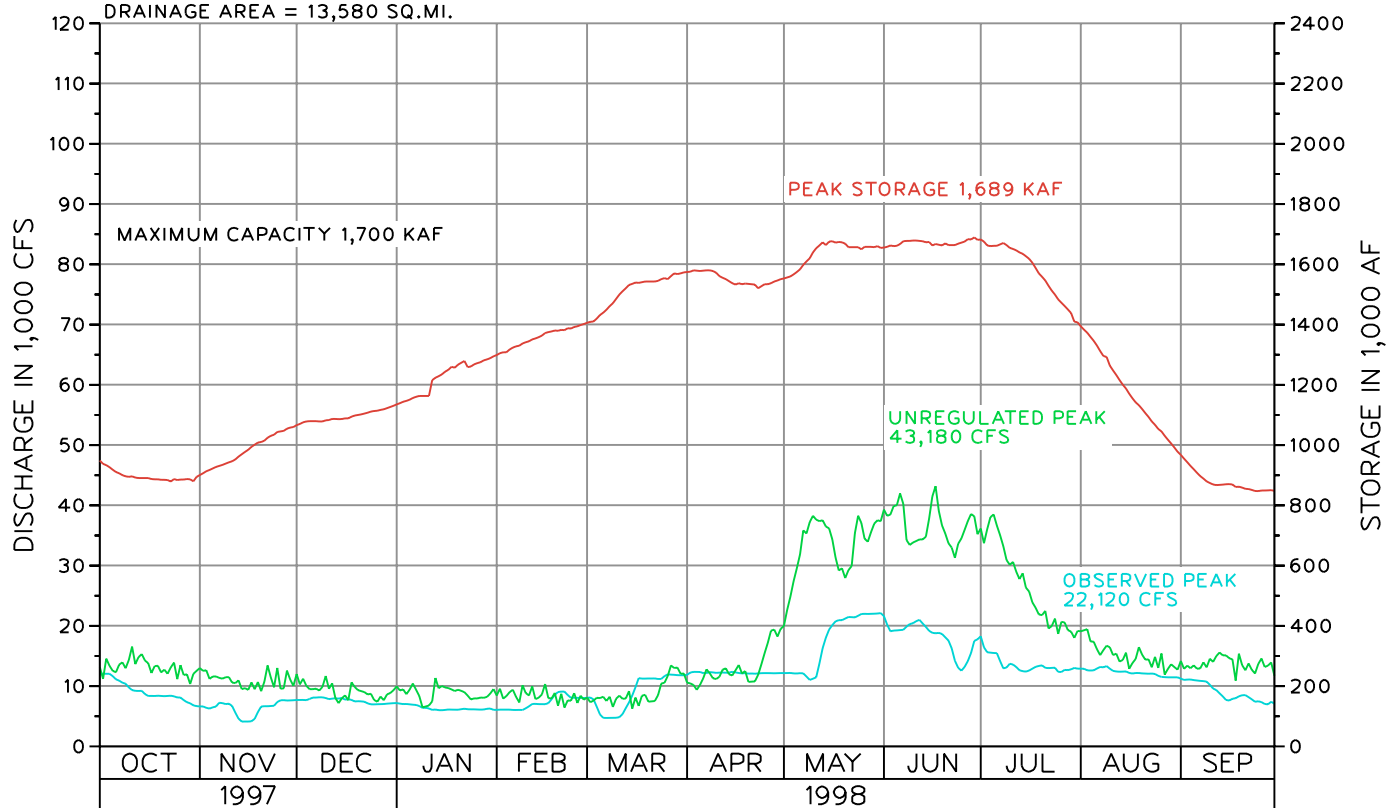
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
WILLOW CREEK AT RIRIE, IDAHO

Chart 35



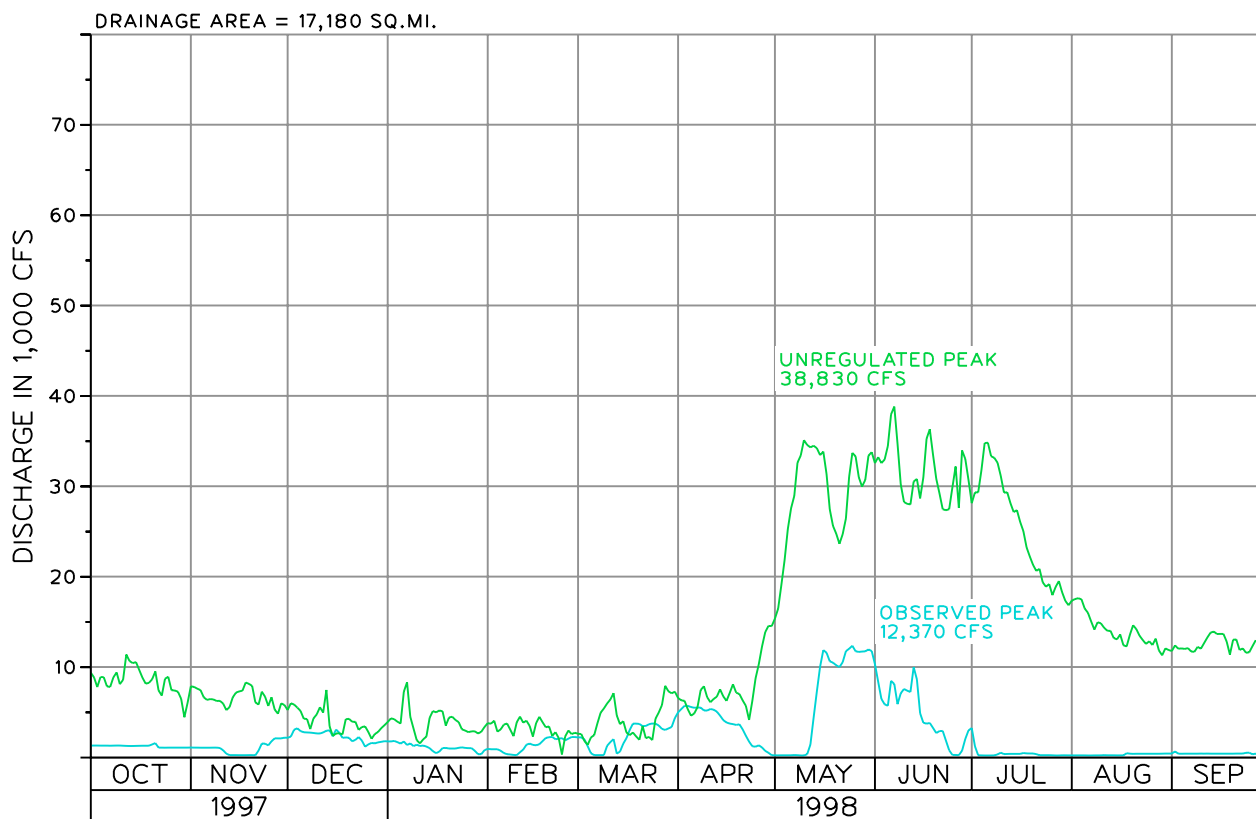
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
SNAKE RIVER NEAR SHELLEY, IDAHO

Chart 36



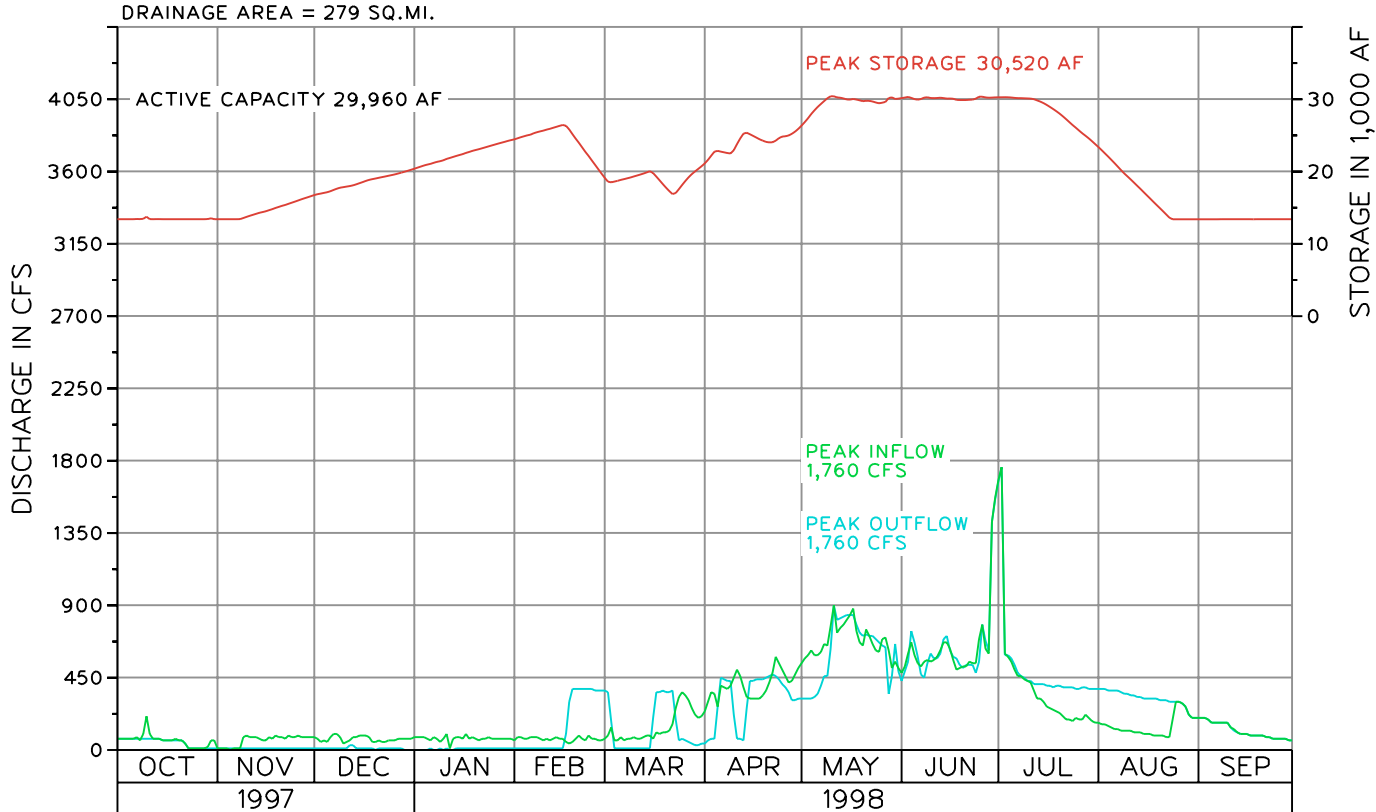
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
SNAKE RIVER AT AMERICAN FALLS, IDAHO

Chart 37



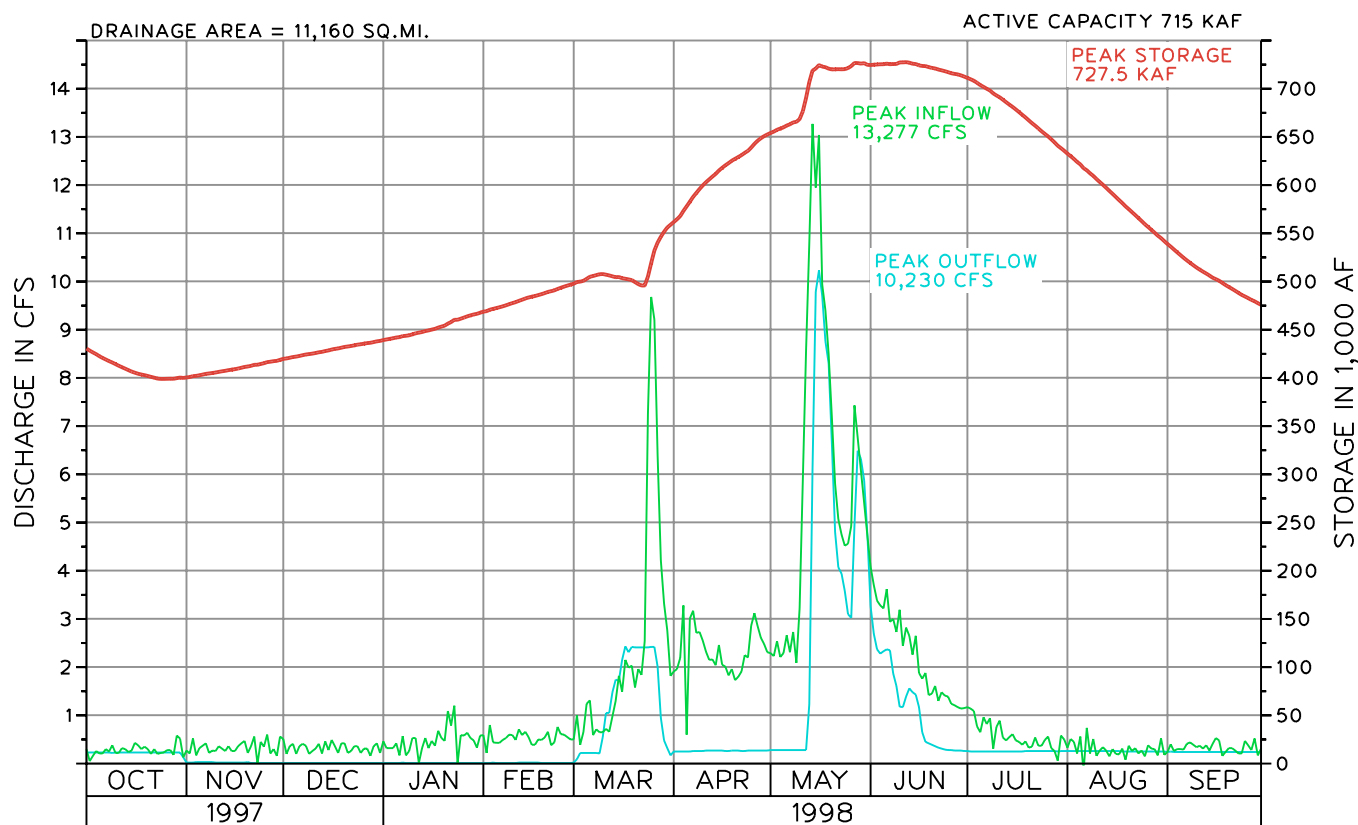
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
SNAKE RIVER AT MILNER, IDAHO

Chart 38



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
LITTLE WOOD RIVER AT LITTLE WOOD PROJECT, IDAHO

Chart 39



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
OWYHEE RIVER AT OWYHEE DAM, OREGON

Chart 40

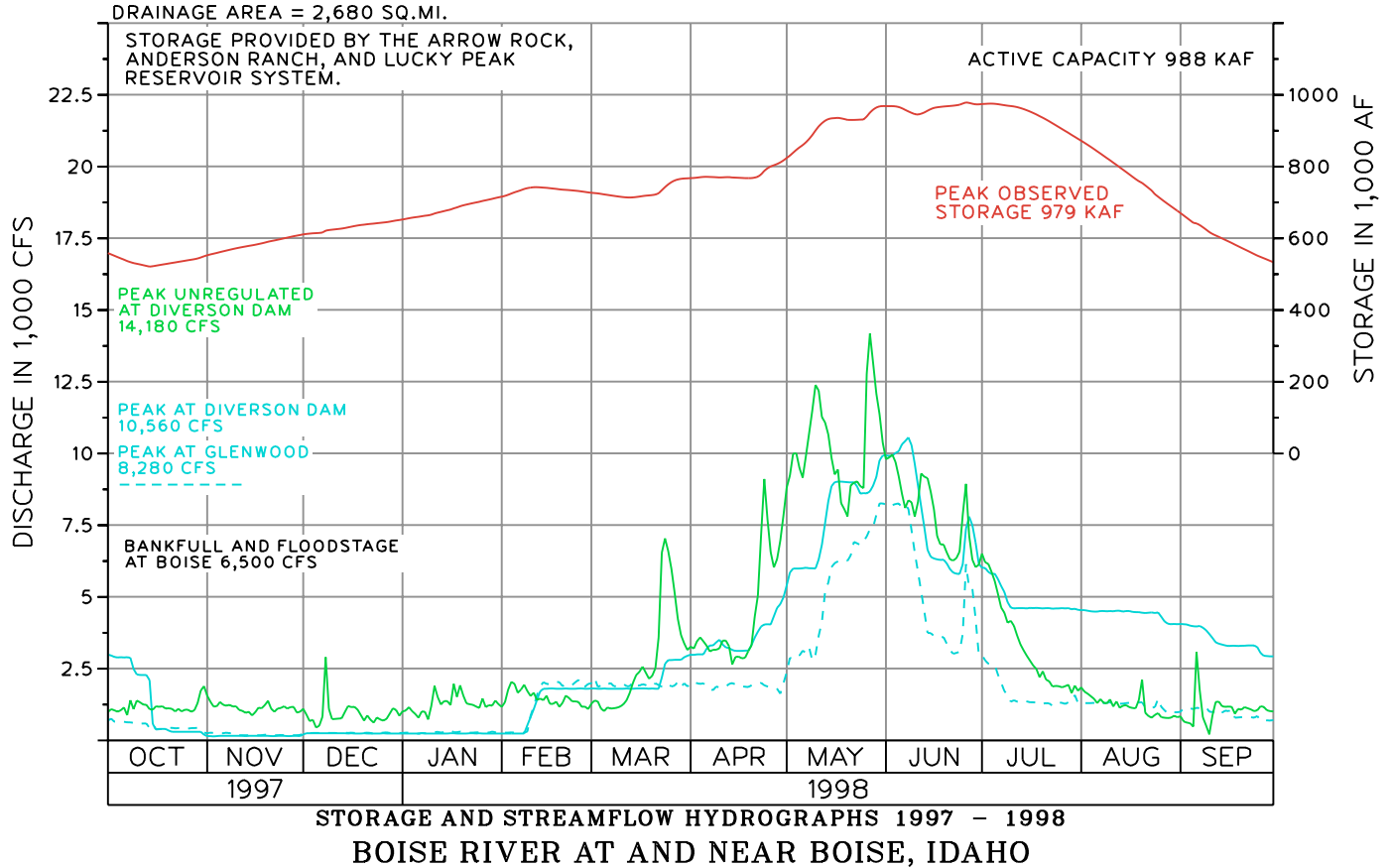


Chart 41

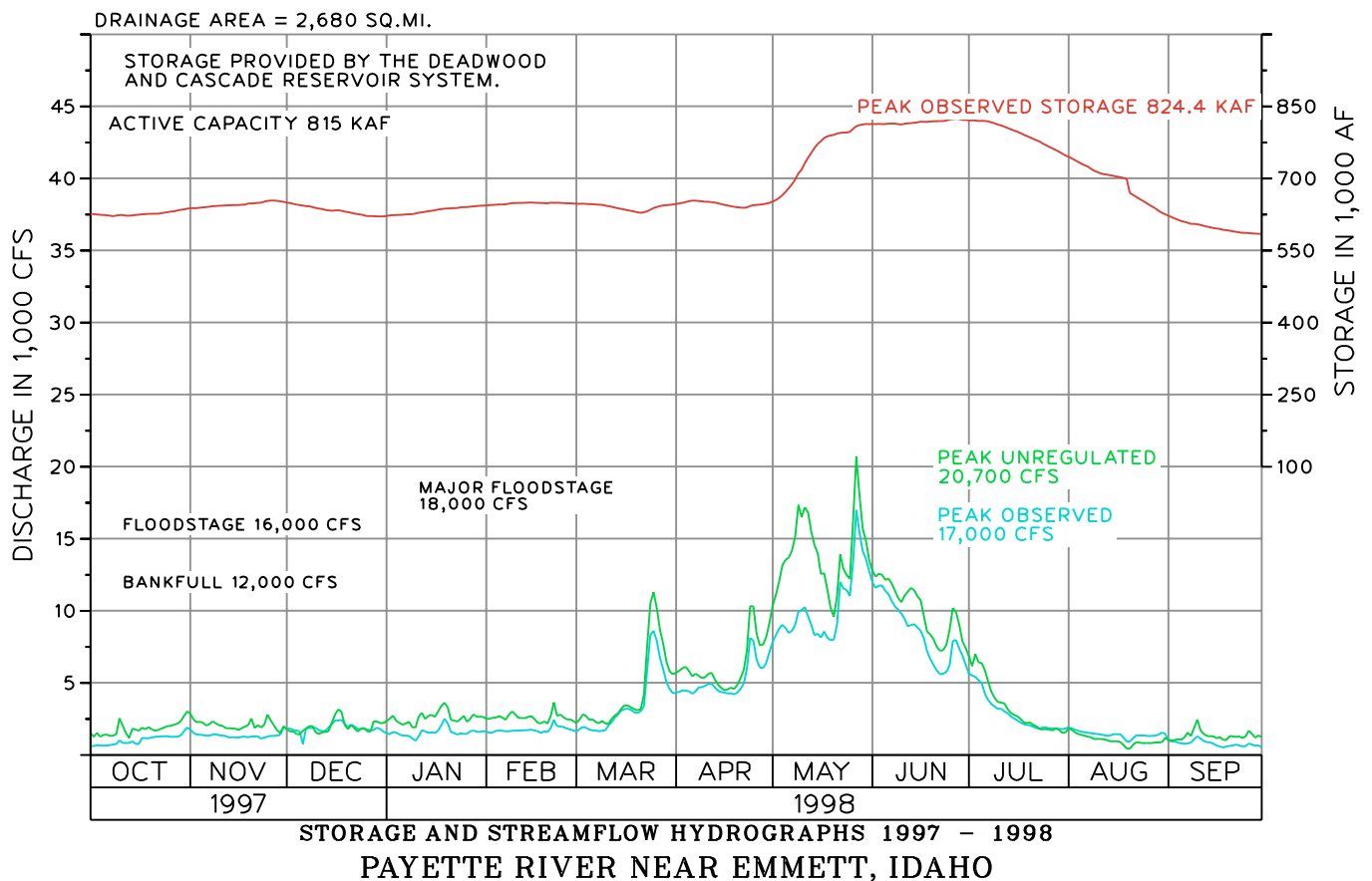
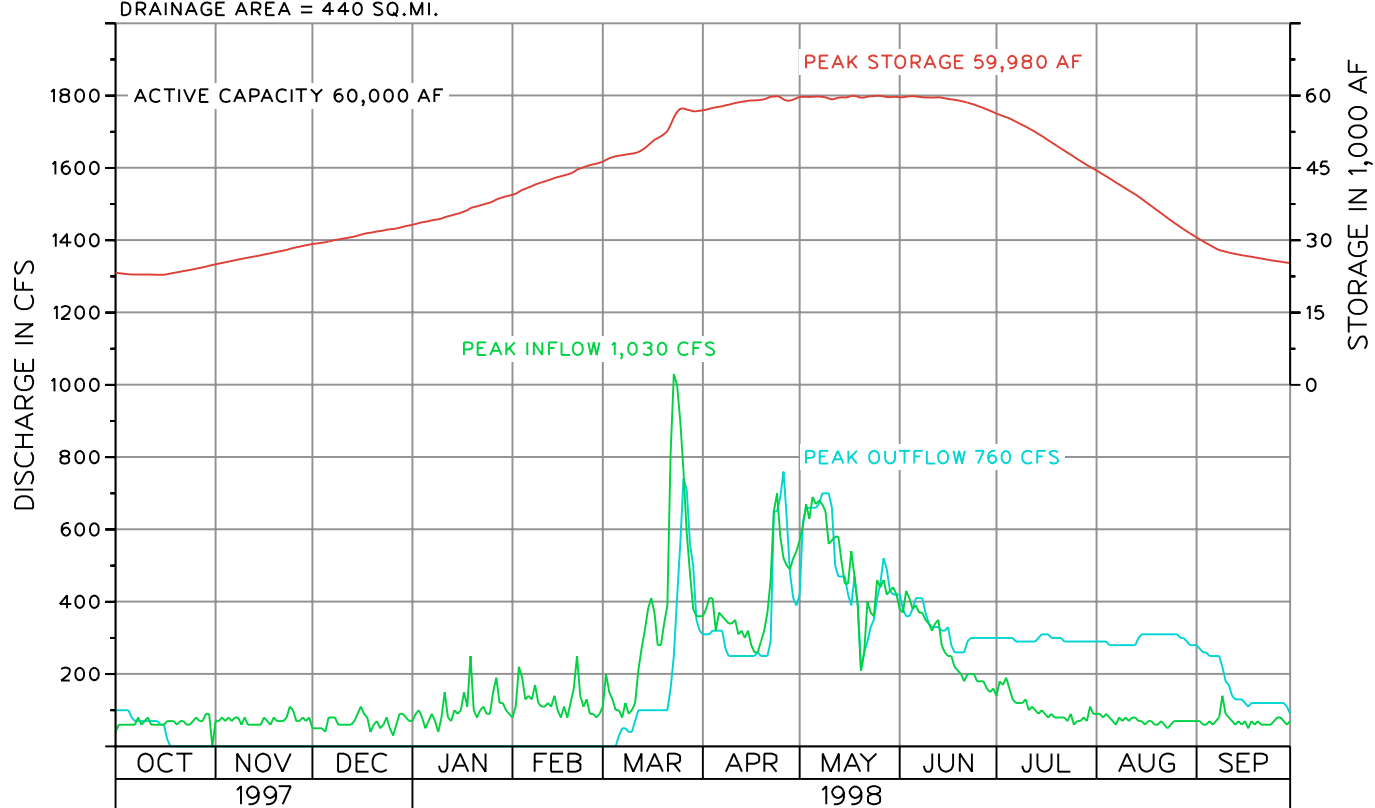
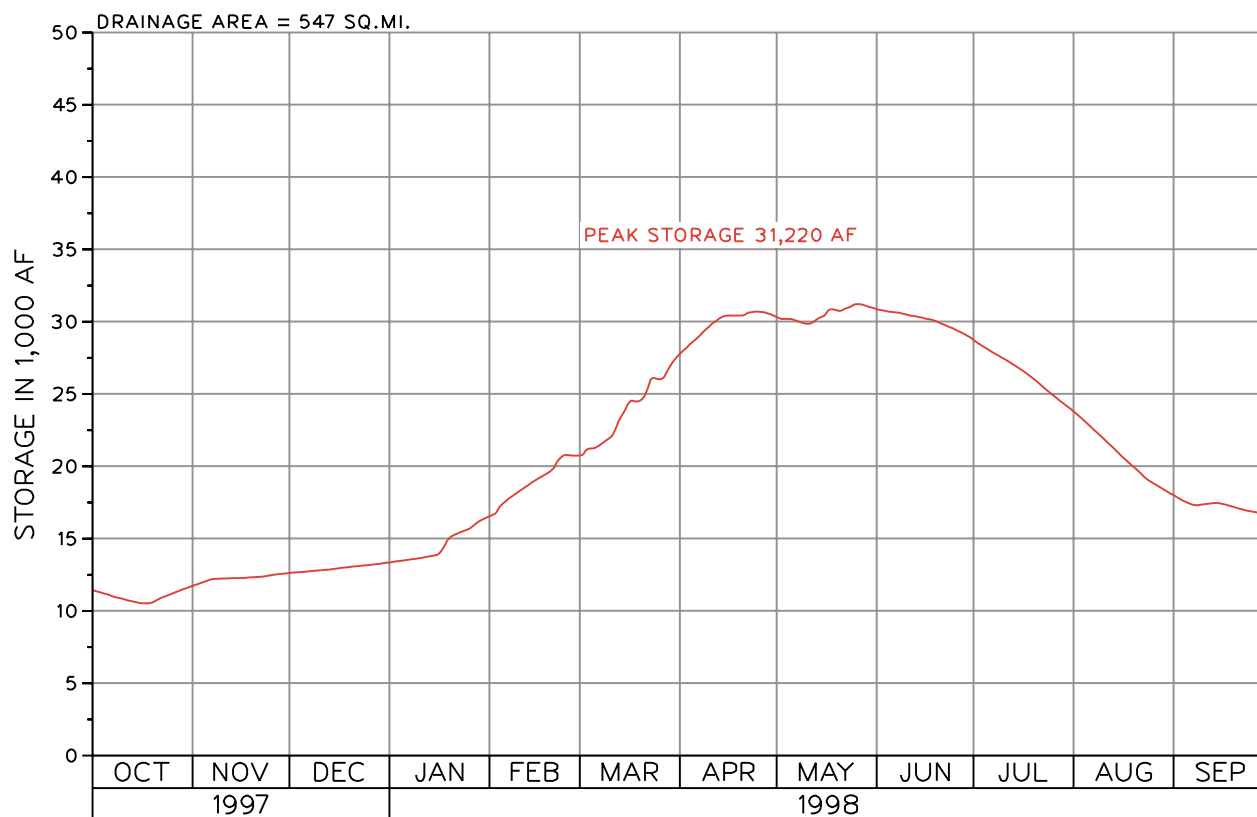


Chart 42

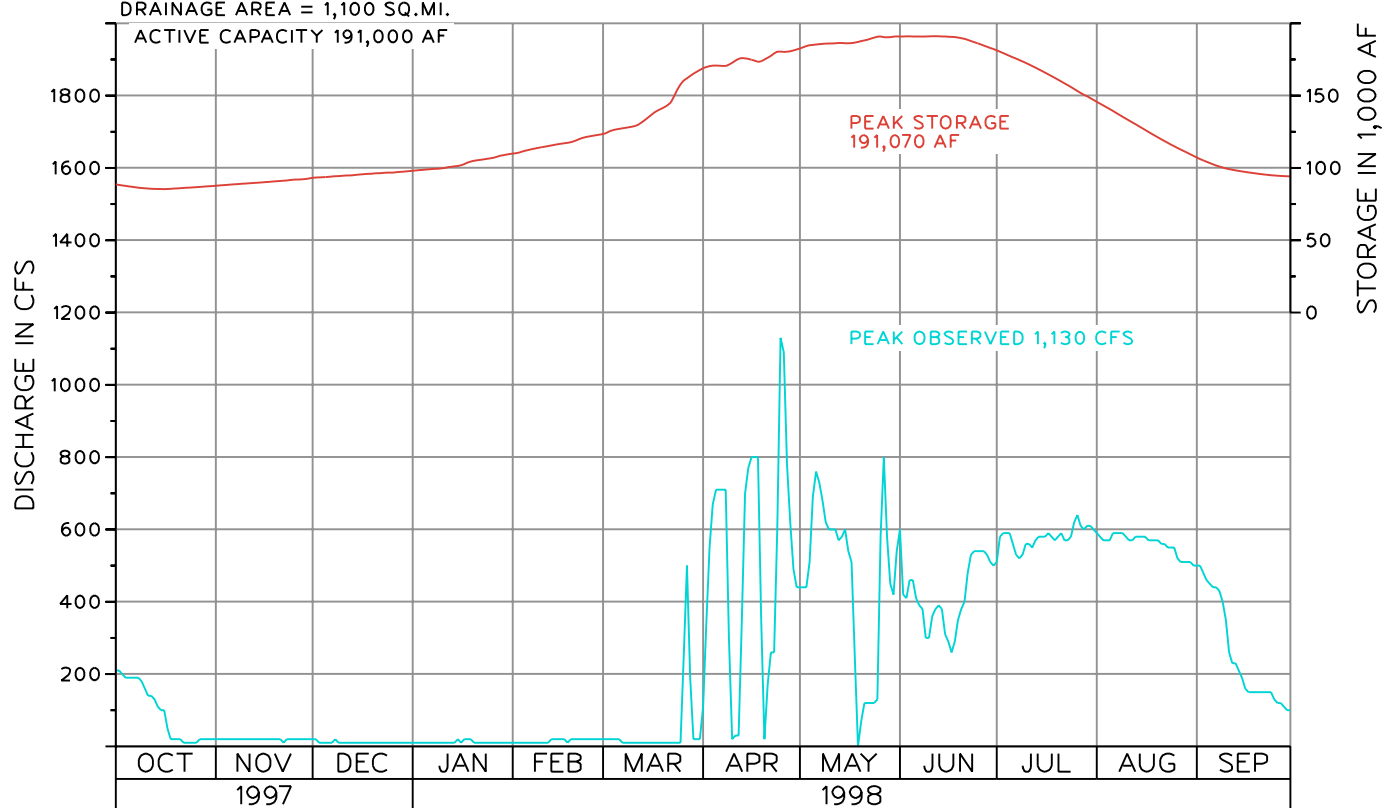


STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
NORTH FORK MALHEUR RIVER AT AGENCY VALLEY PROJECT, OREGON
Chart 43



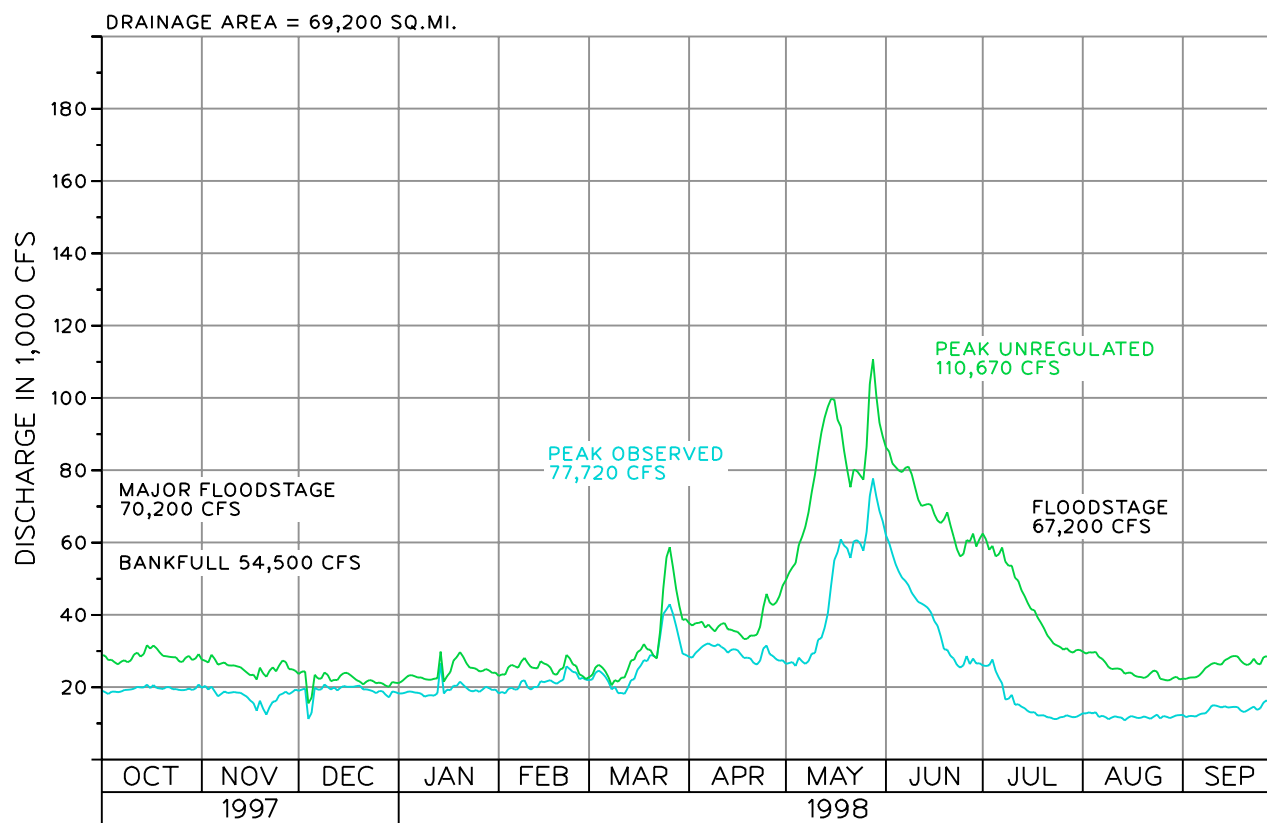
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
BULLY CREEK AT BULLY CREEK PROJECT, OREGON

Chart 44



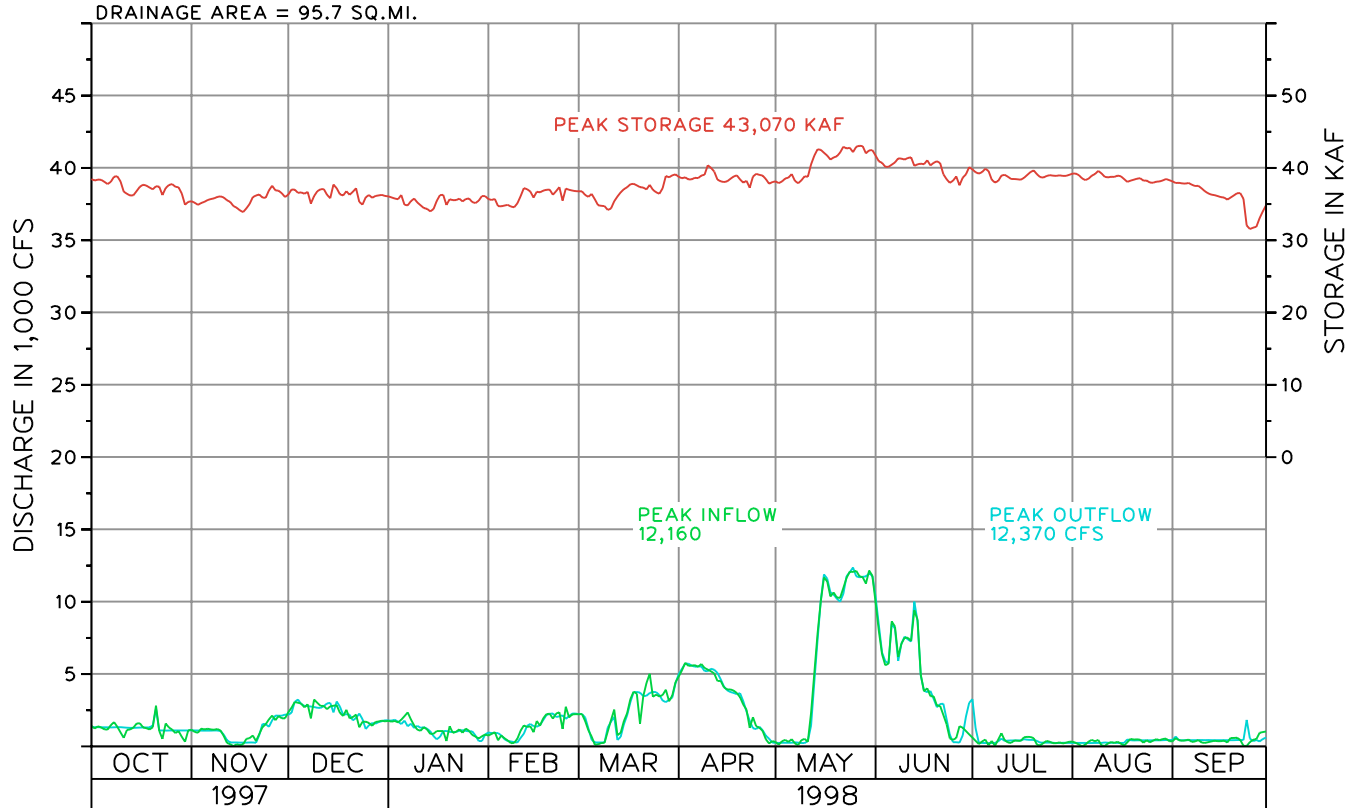
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
MIDDLE FORK MALHEUR RIVER AT WARM SPRINGS PROJECT, OREGON

Chart 45



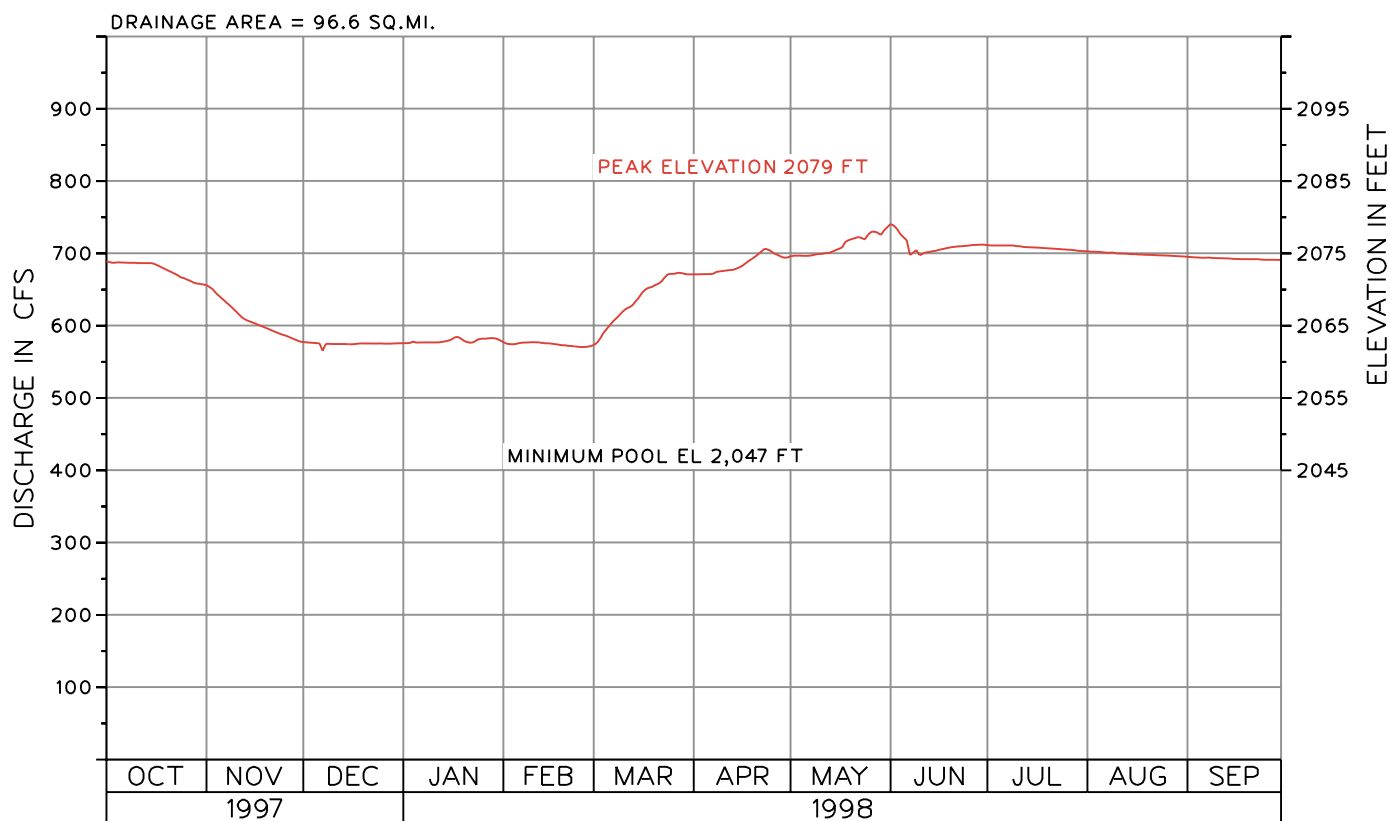
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
SNAKE RIVER AT WEISER, IDAHO

Chart 46



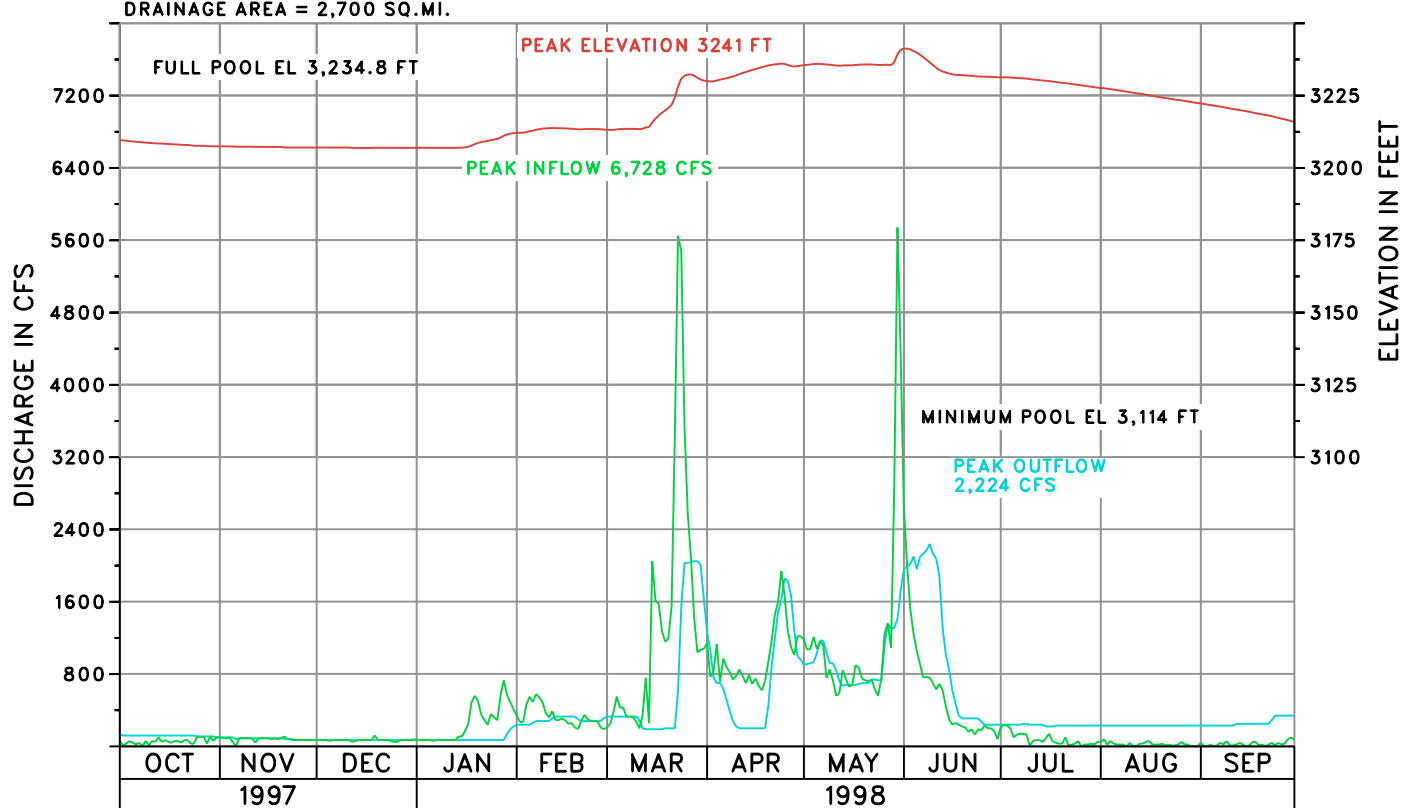
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
MILL CREEK AT MILL CREEK PROJECT, WASHINGTON

Chart 47



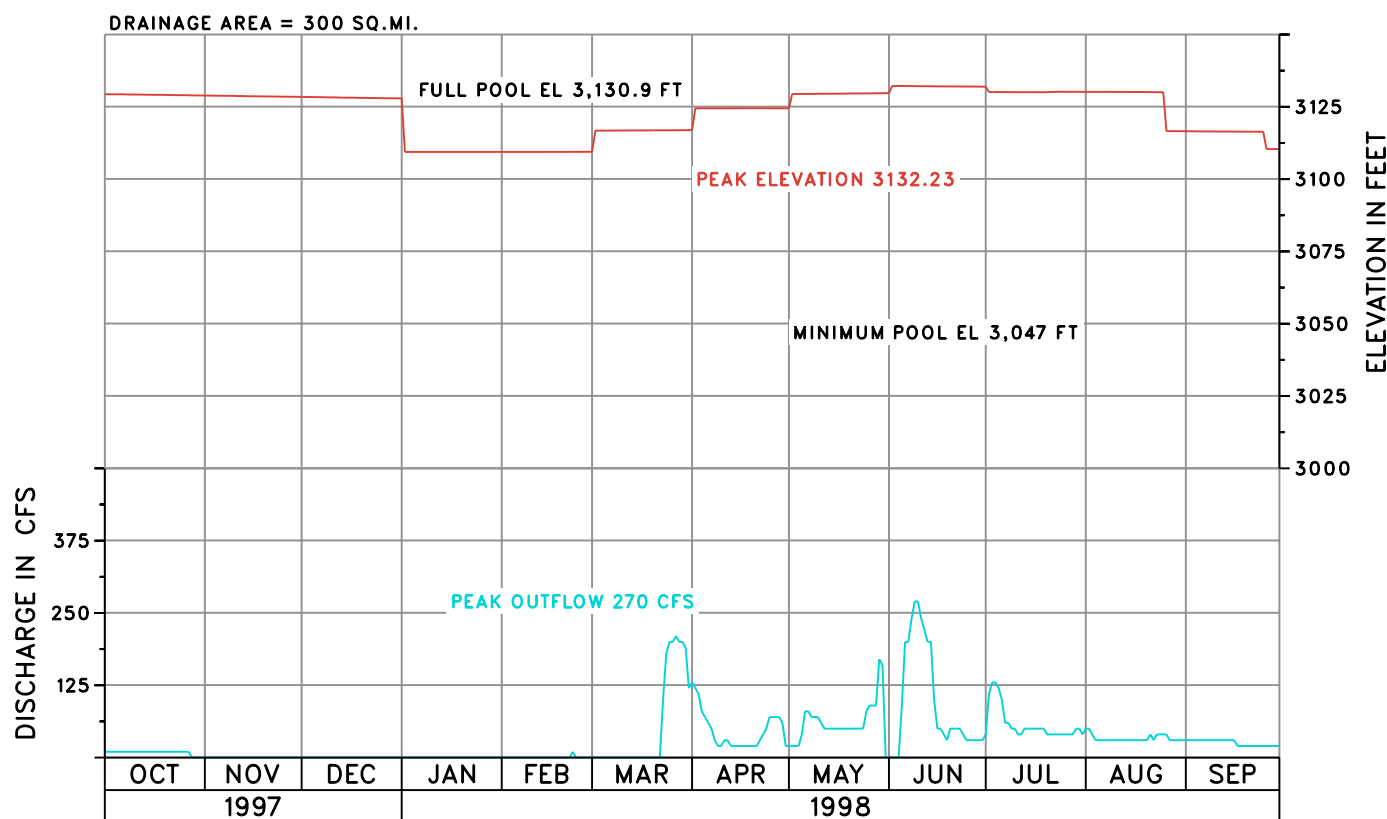
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
WILLOW CREEK AT WILLOW CREEK PROJECT, OREGON

Chart 48



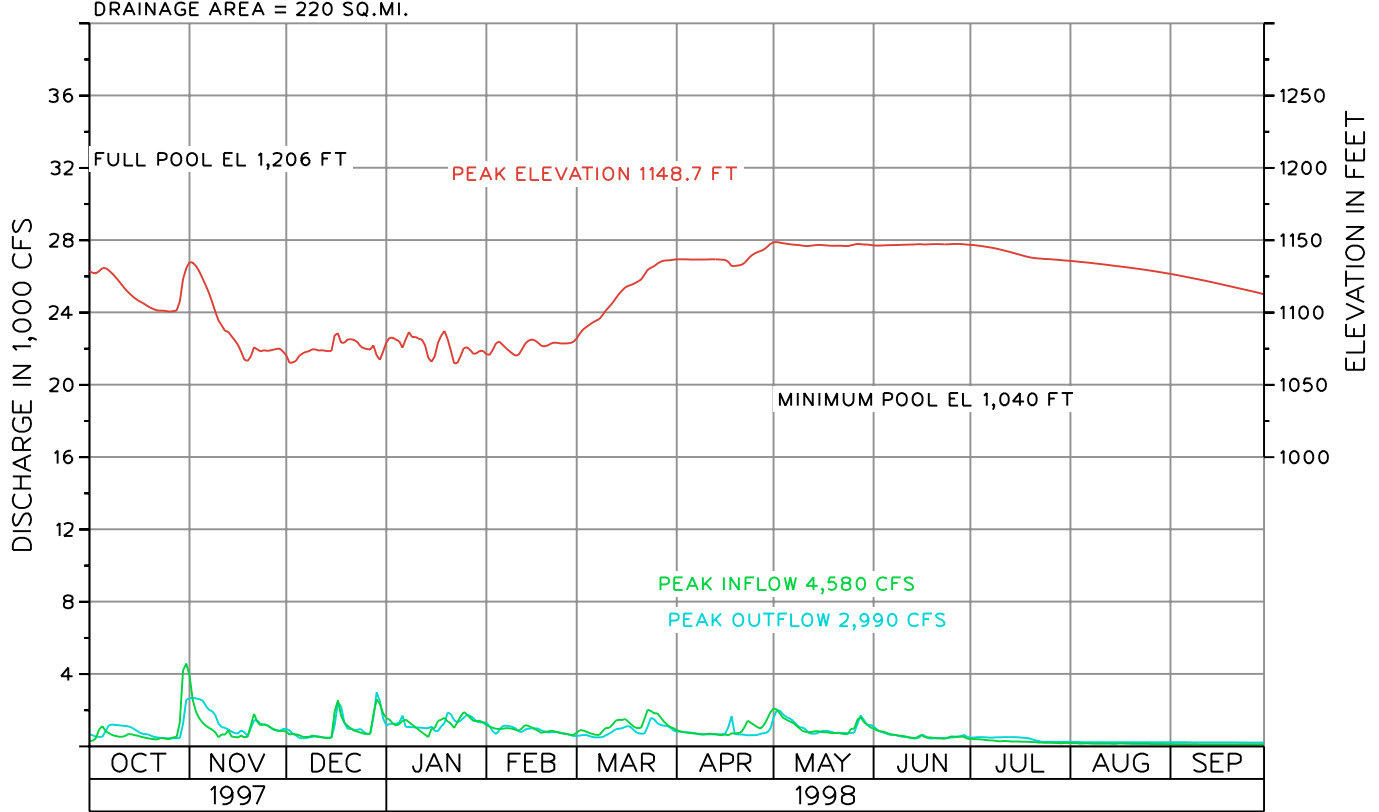
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
CROOKED RIVER AT PRINEVILLE PROJECT, OREGON

Chart 49



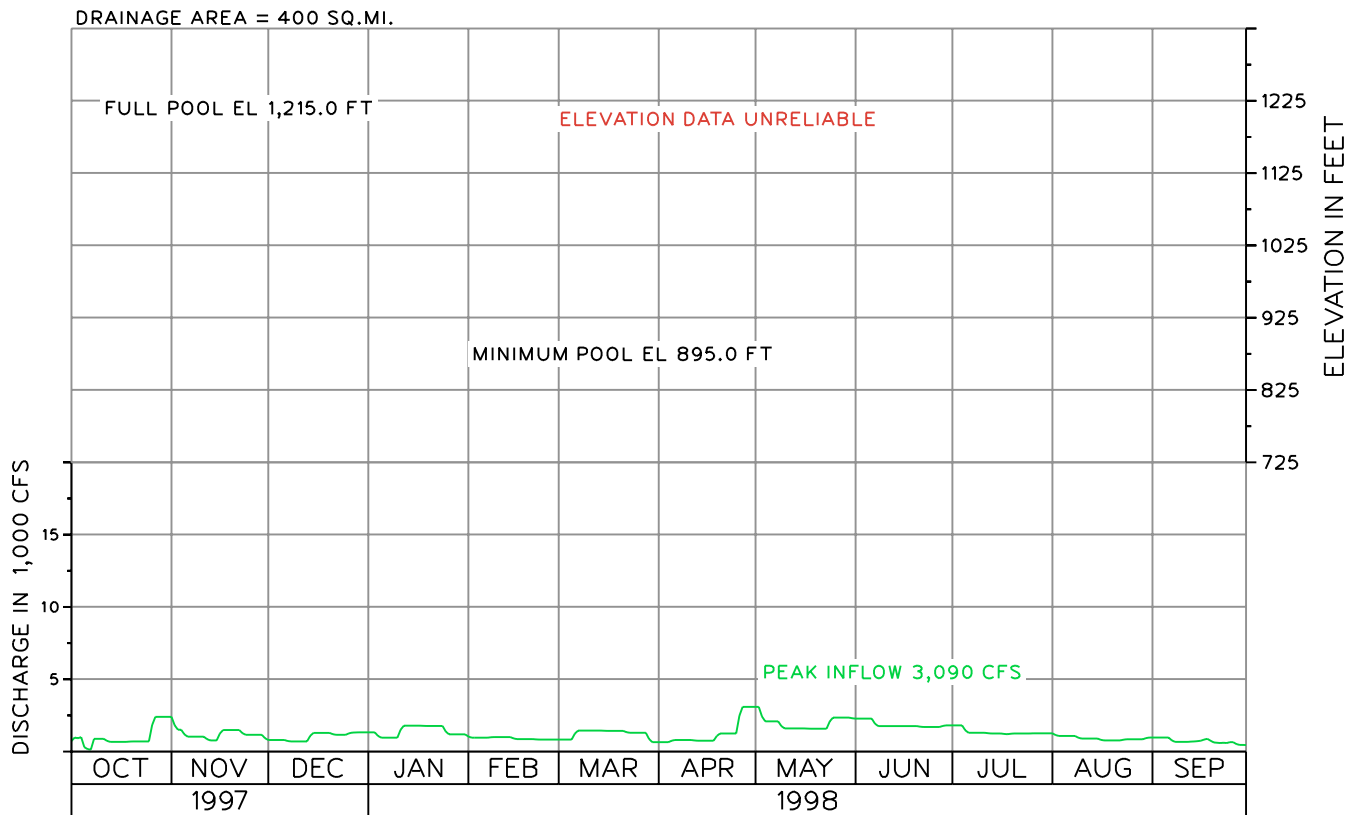
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
OCHOCO RIVER AT OCHOCO PROJECT, OREGON

Chart 50



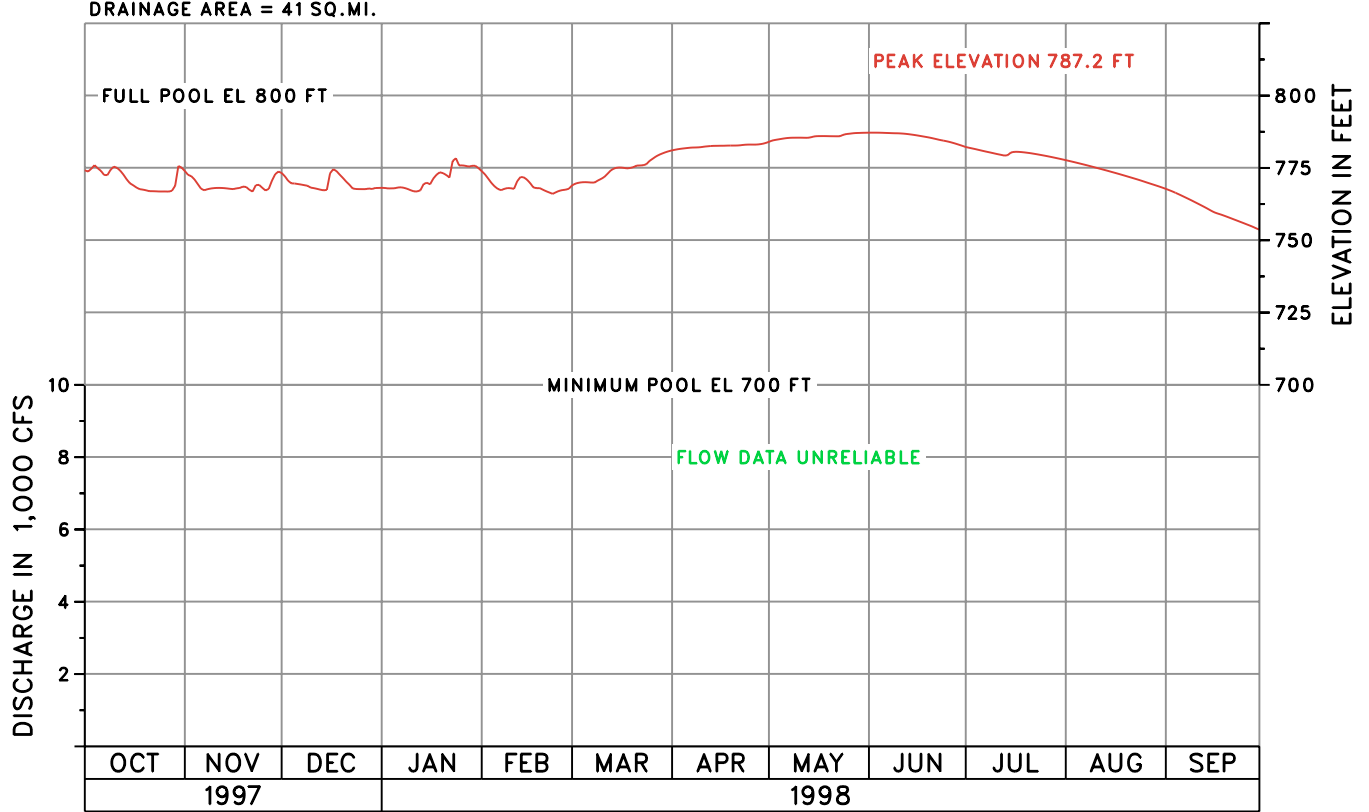
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
GREEN RIVER AT HOWARD A. HANSON PROJECT, WASHINGTON

Chart 51



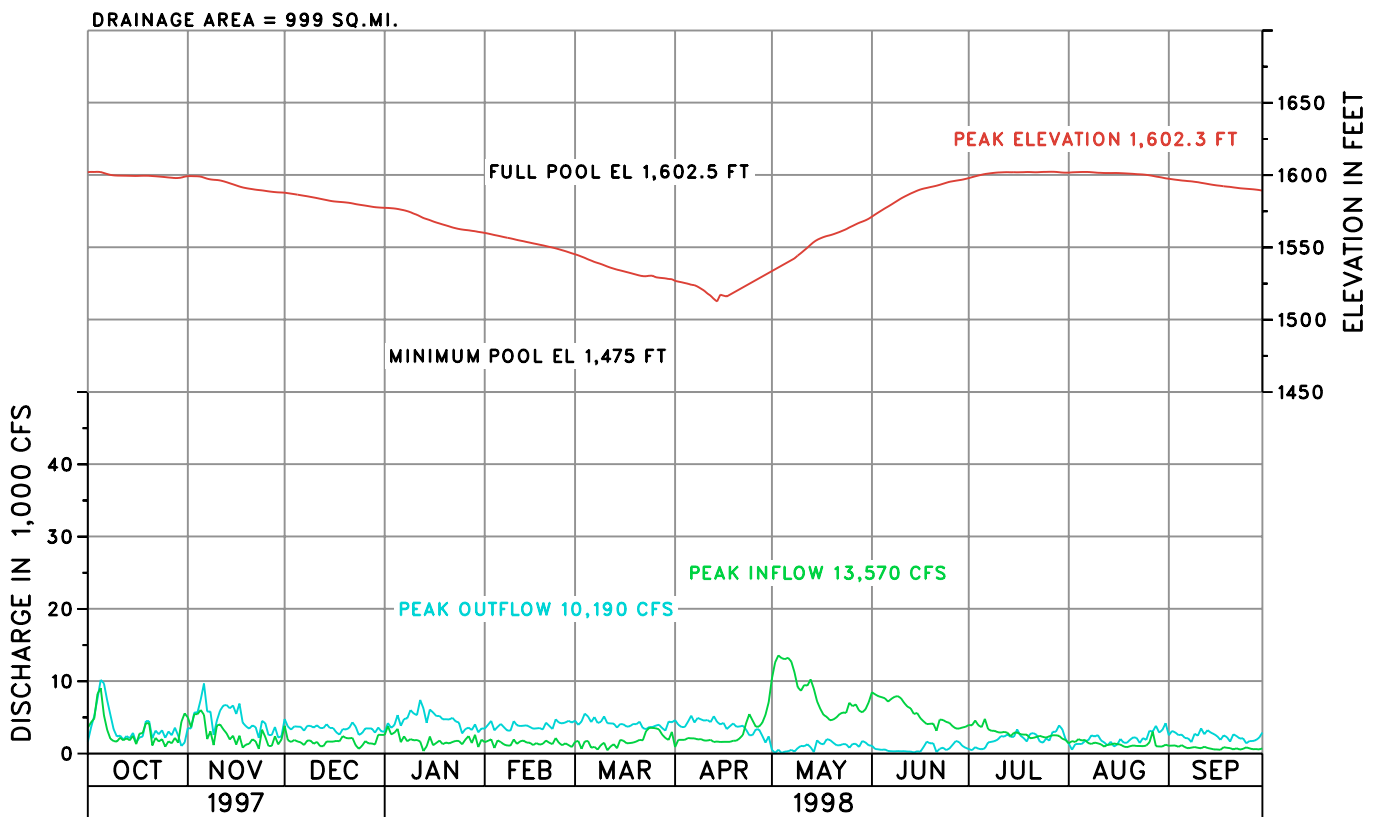
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
WHITE RIVER AT MUD MOUNTAIN PROJECT, WASHINGTON

Chart 52



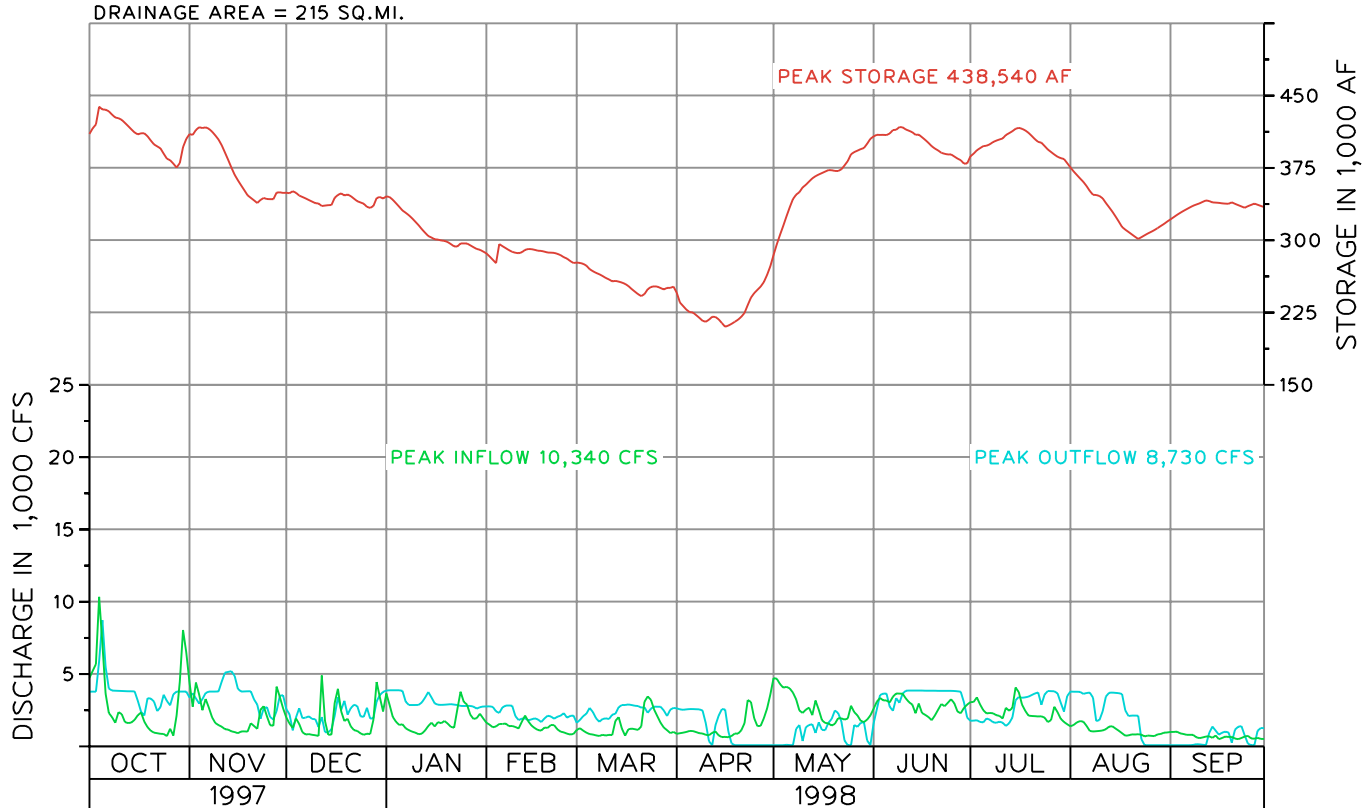
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
WYNOOCHEE RIVER AT WYNOOCHEE PROJECT, WASHINGTON

Chart 53



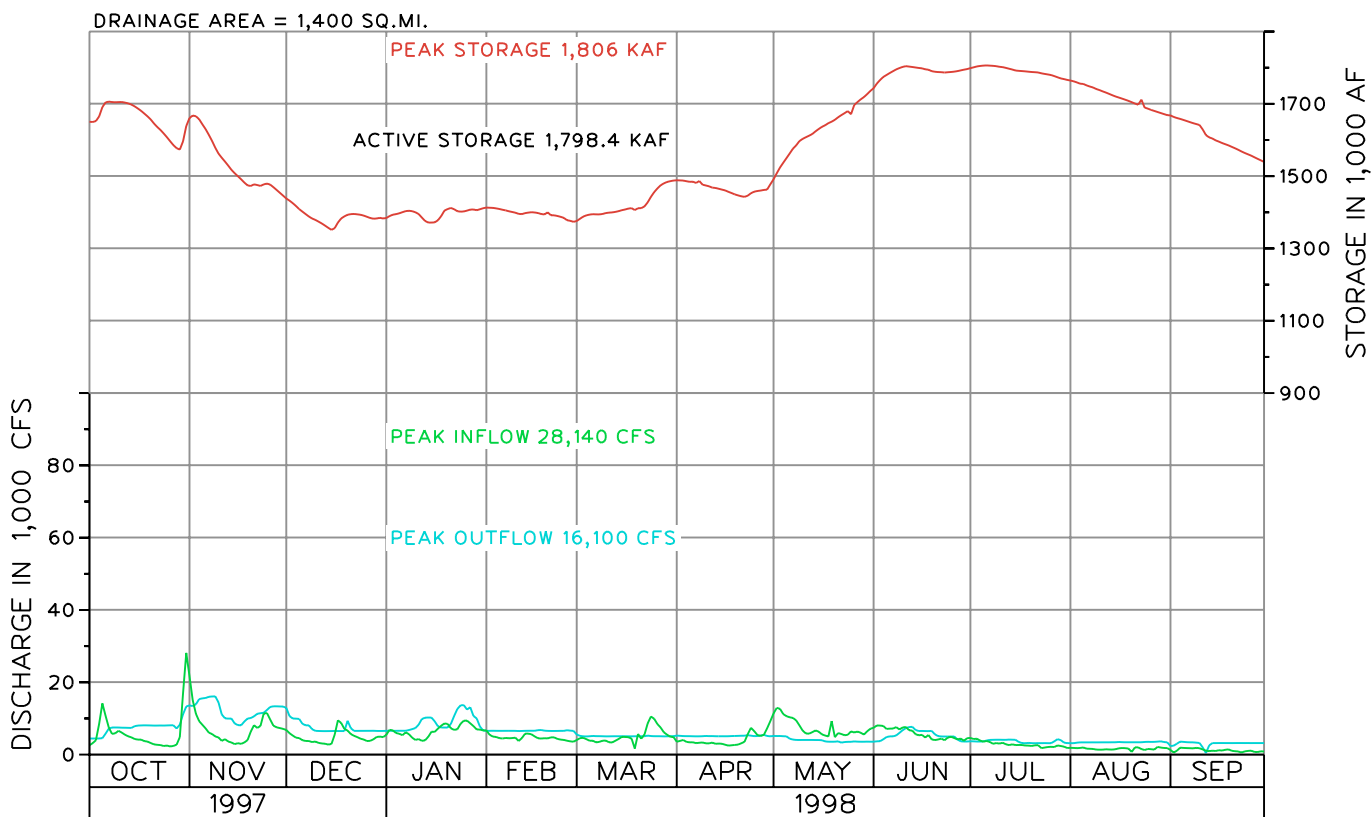
STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
SKAGIT RIVER AT ROSS PROJECT, WASHINGTON

Chart 54



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998
BAKER RIVER AT UPPER BAKER PROJECT, OREGON

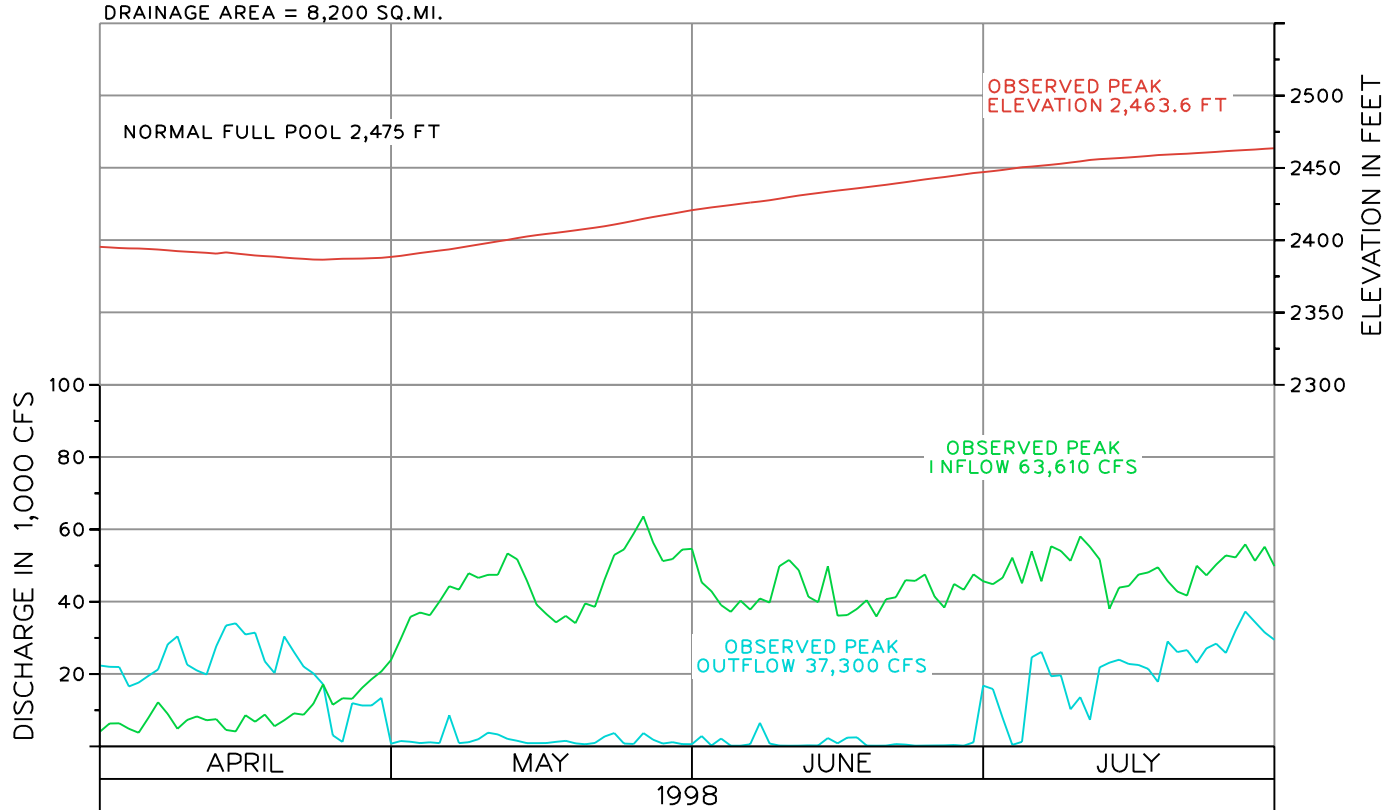
Chart 55



STORAGE AND STREAMFLOW HYDROGRAPHS 1997 - 1998

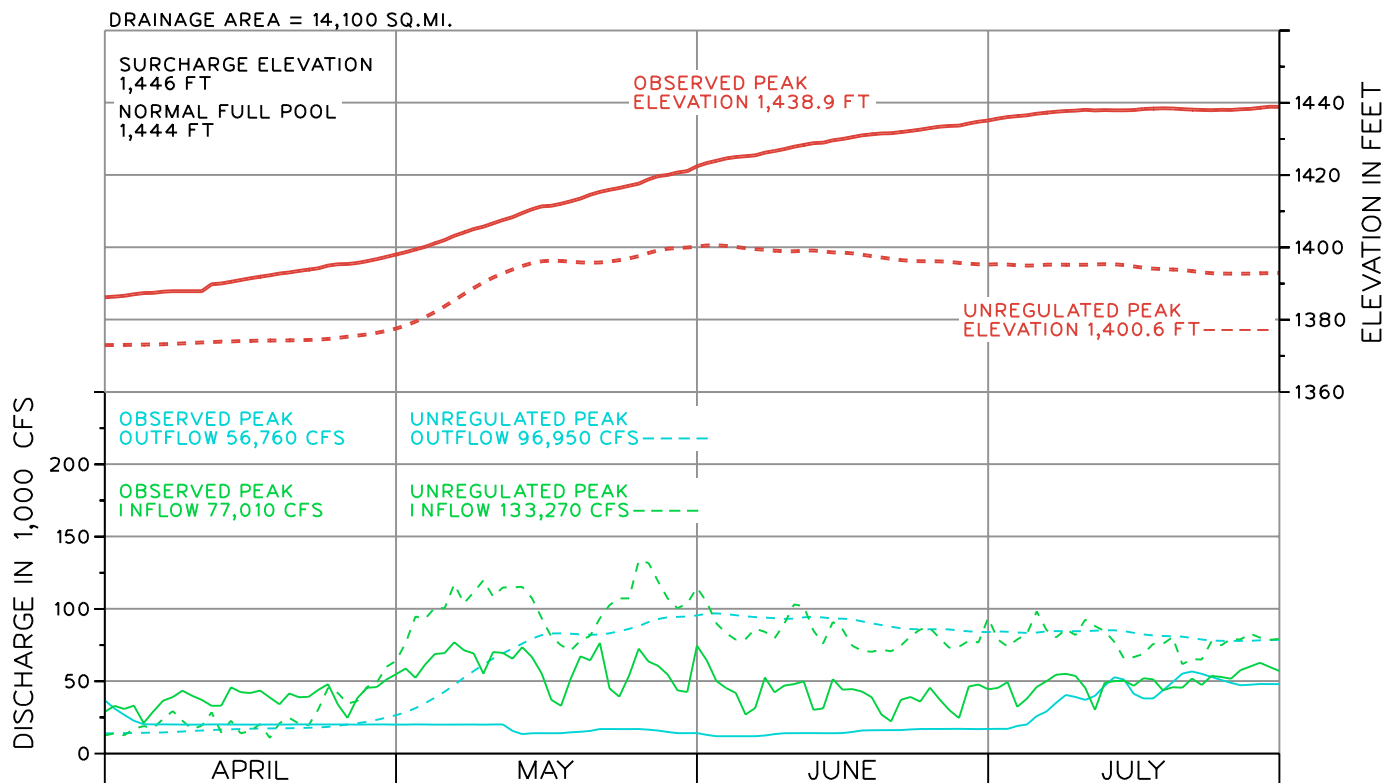
COWLITZ RIVER AT MAYFIELD/MOSSYROCK PROJECTS, WASHINGTON

Chart 56



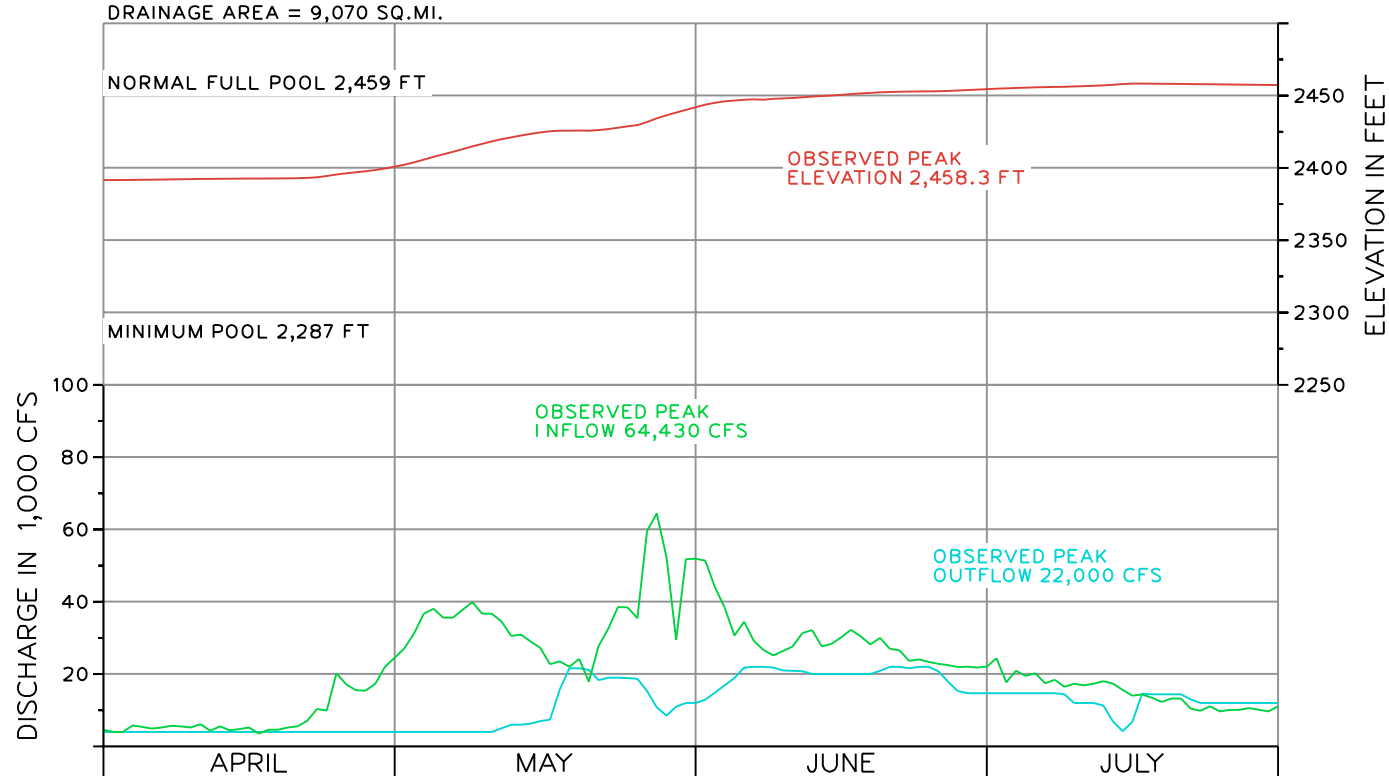
**1998 FLOOD REGULATION
COLUMBIA RIVER AT MICA PROJECT, BRITISH COLUMBIA**

Chart 57



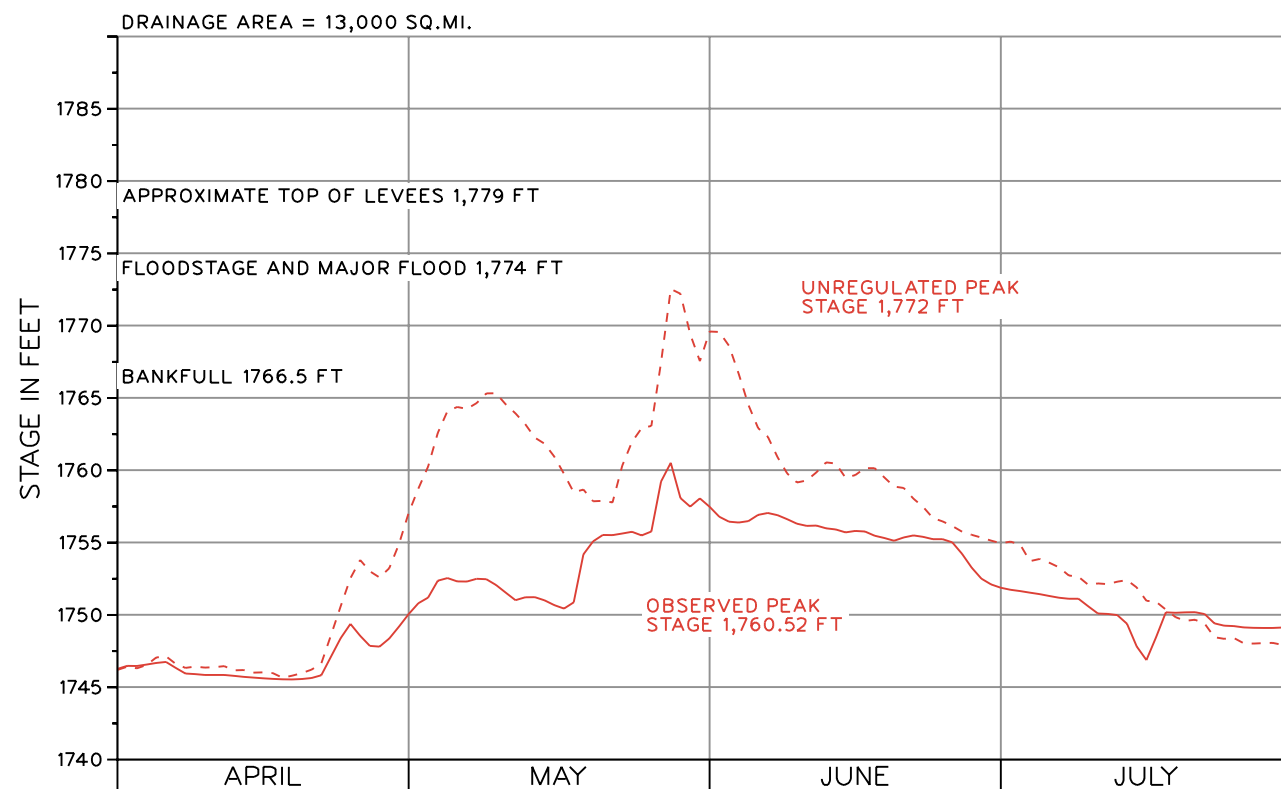
**1998 FLOOD REGULATION
COLUMBIA RIVER AT ARROW PROJECT, BRITISH COLUMBIA**

Chart 58



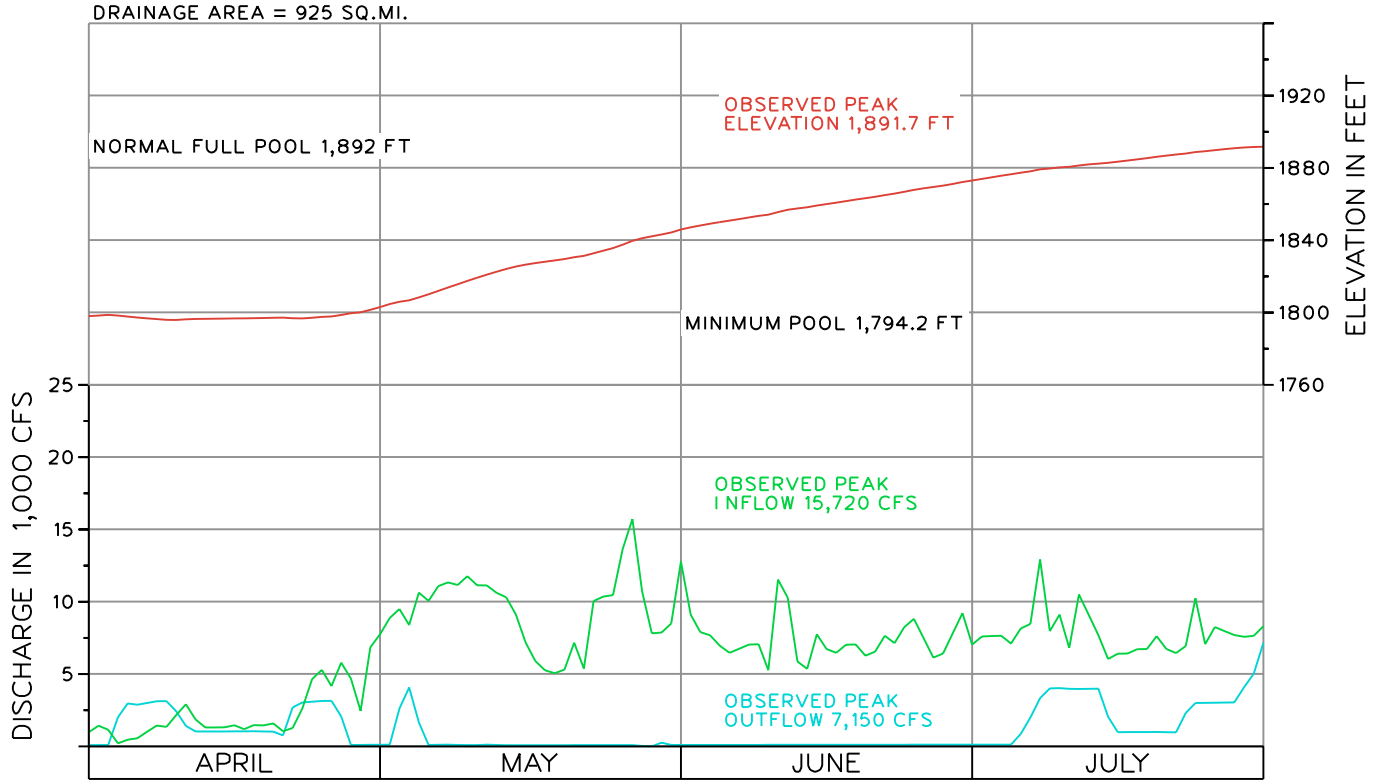
1998 FLOOD REGULATION
KOOTENAI RIVER AT LIBBY PROJECT, MONTANA

Chart 59



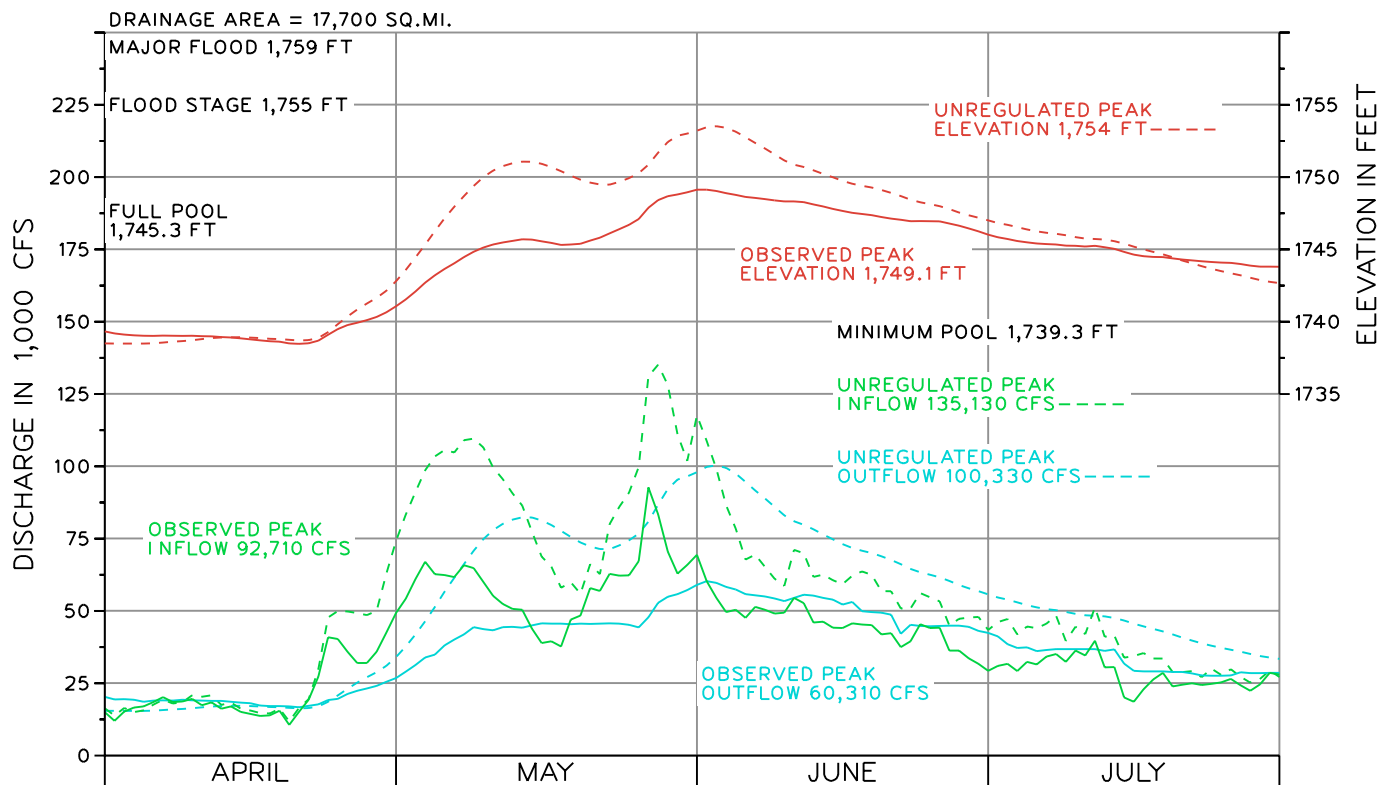
1998 FLOOD REGULATION
KOOTENAI RIVER AT BONNERS FERRY, IDAHO

Chart 60



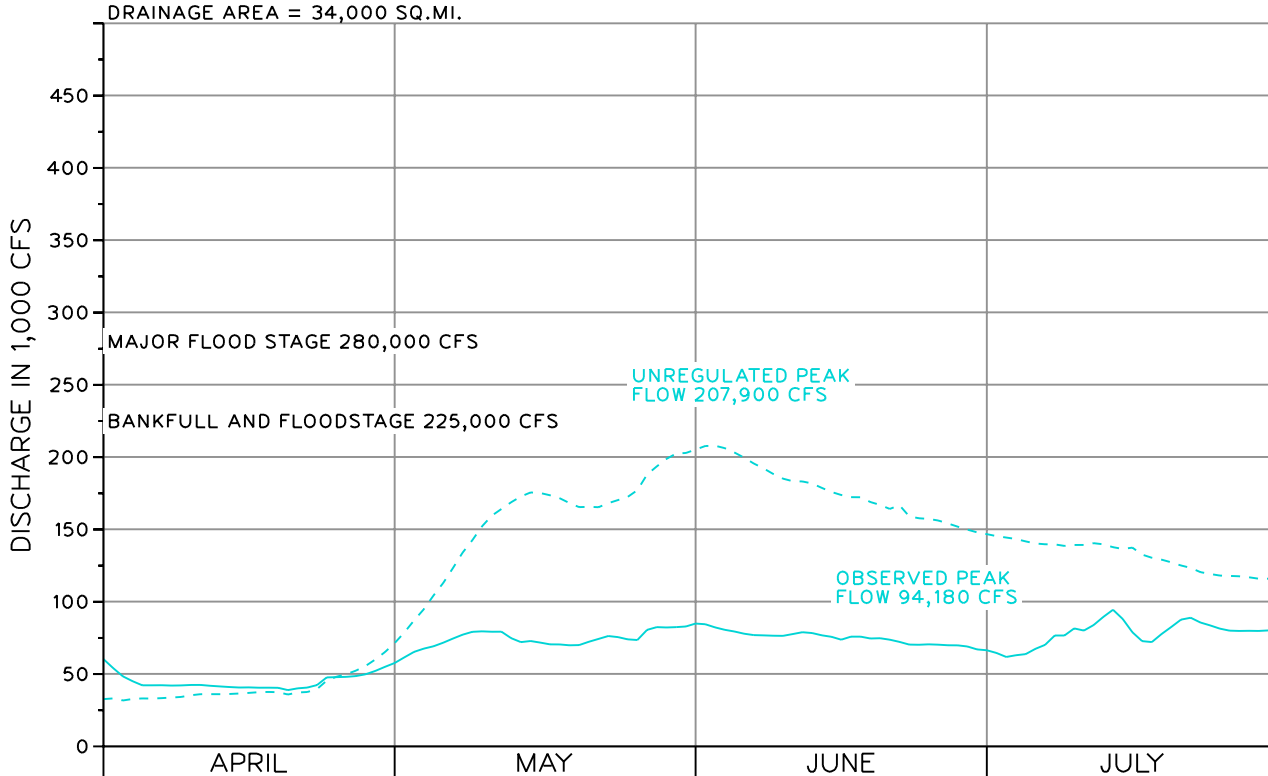
**1998 FLOOD REGULATION
DUNCAN RIVER AT DUNCAN PROJECT, BRITISH COLUMBIA**

Chart 61



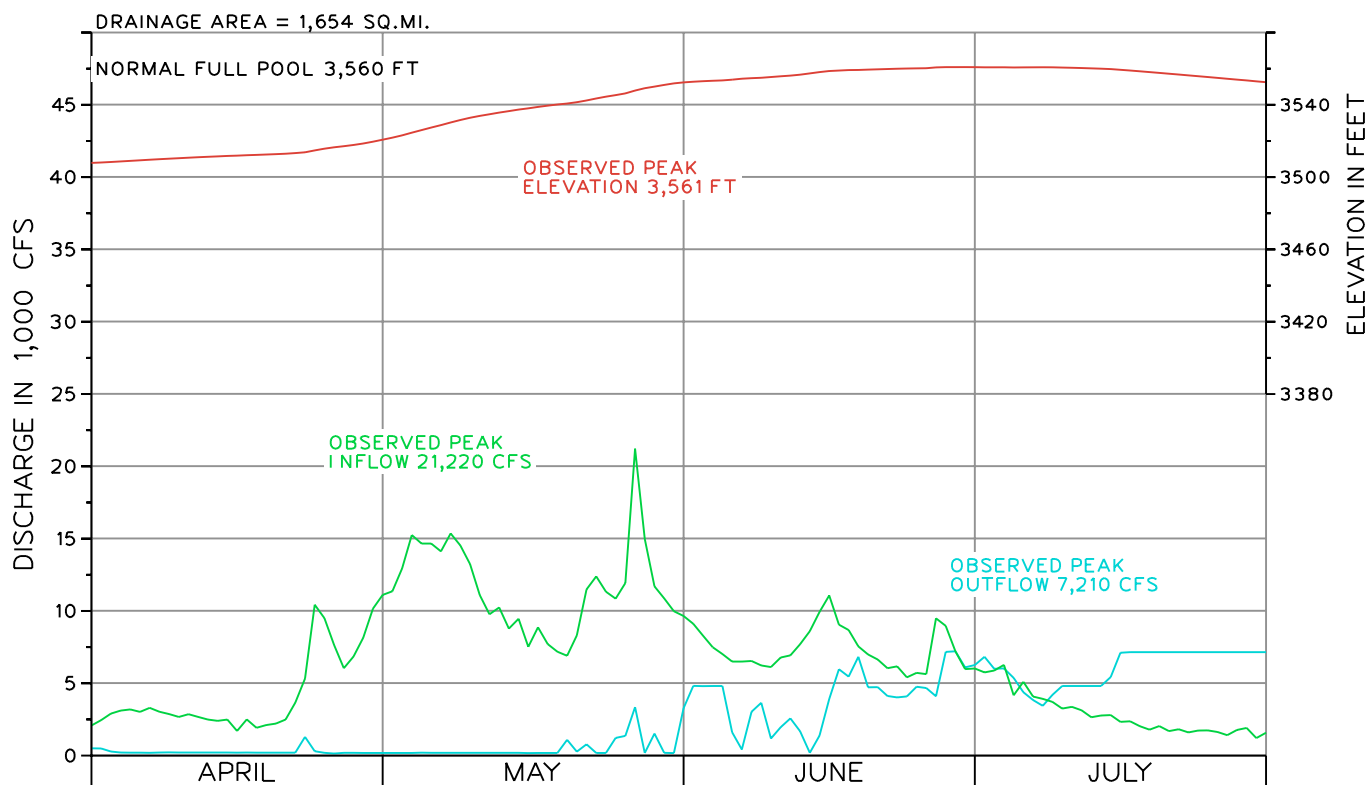
**1998 FLOOD REGULATION
KOOTENAY RIVER AT KOOTENAY LAKE, BRITISH COLUMBIA**

Chart 62



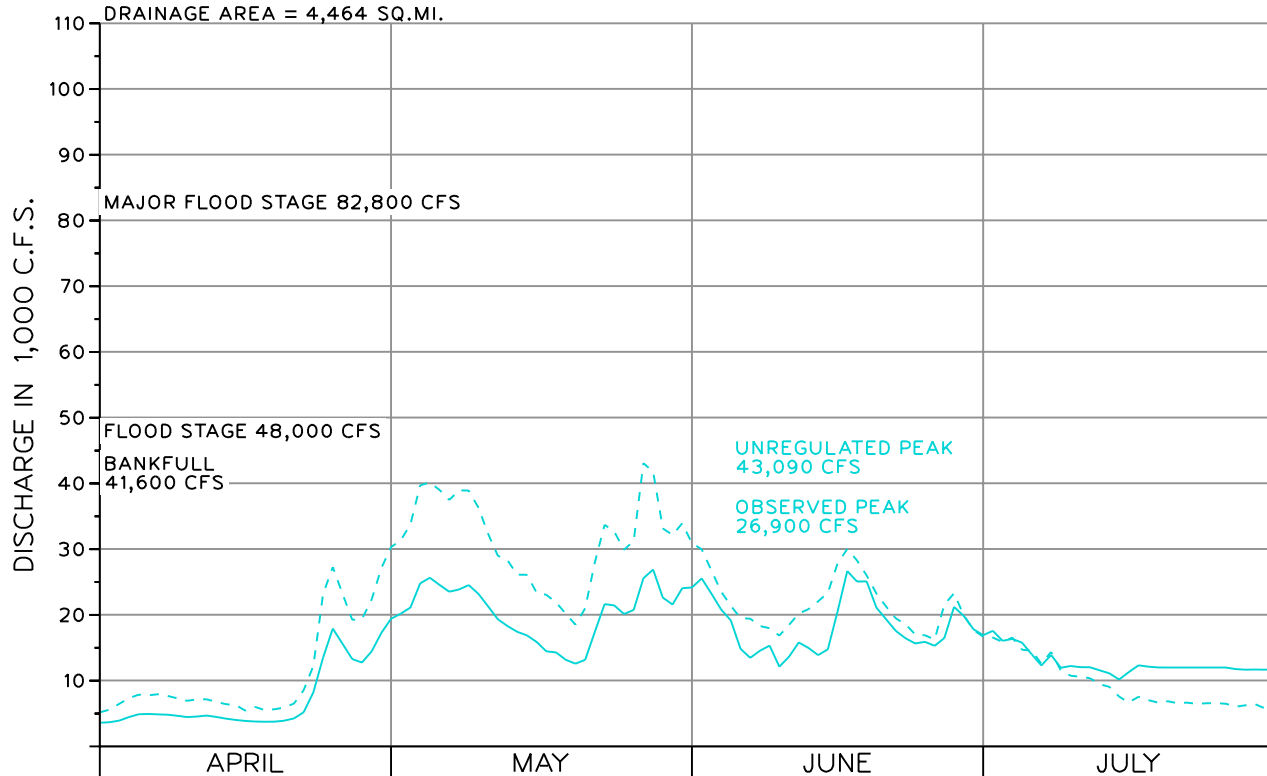
1998 FLOOD REGULATION **COLUMBIA RIVER AT BIRCHBANK, BRITISH COLUMBIA**

Chart 63



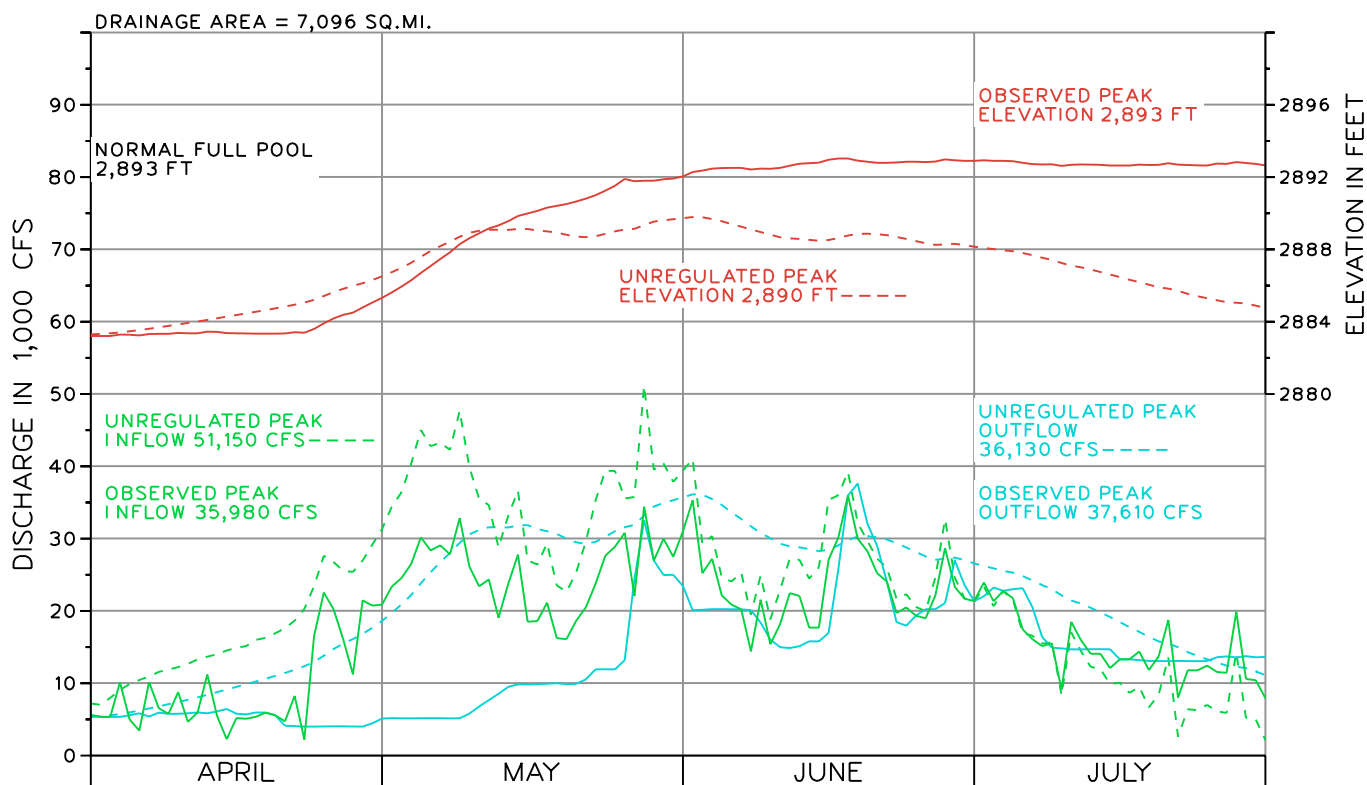
1998 FLOOD REGULATION **SOUTH FORK FLATHEAD RIVER AT HUNGRY HORSE, MONTANA**

Chart 64



**1998 FLOOD REGULATION
FLATHEAD RIVER AT COLUMBIA FALLS, MONTANA**

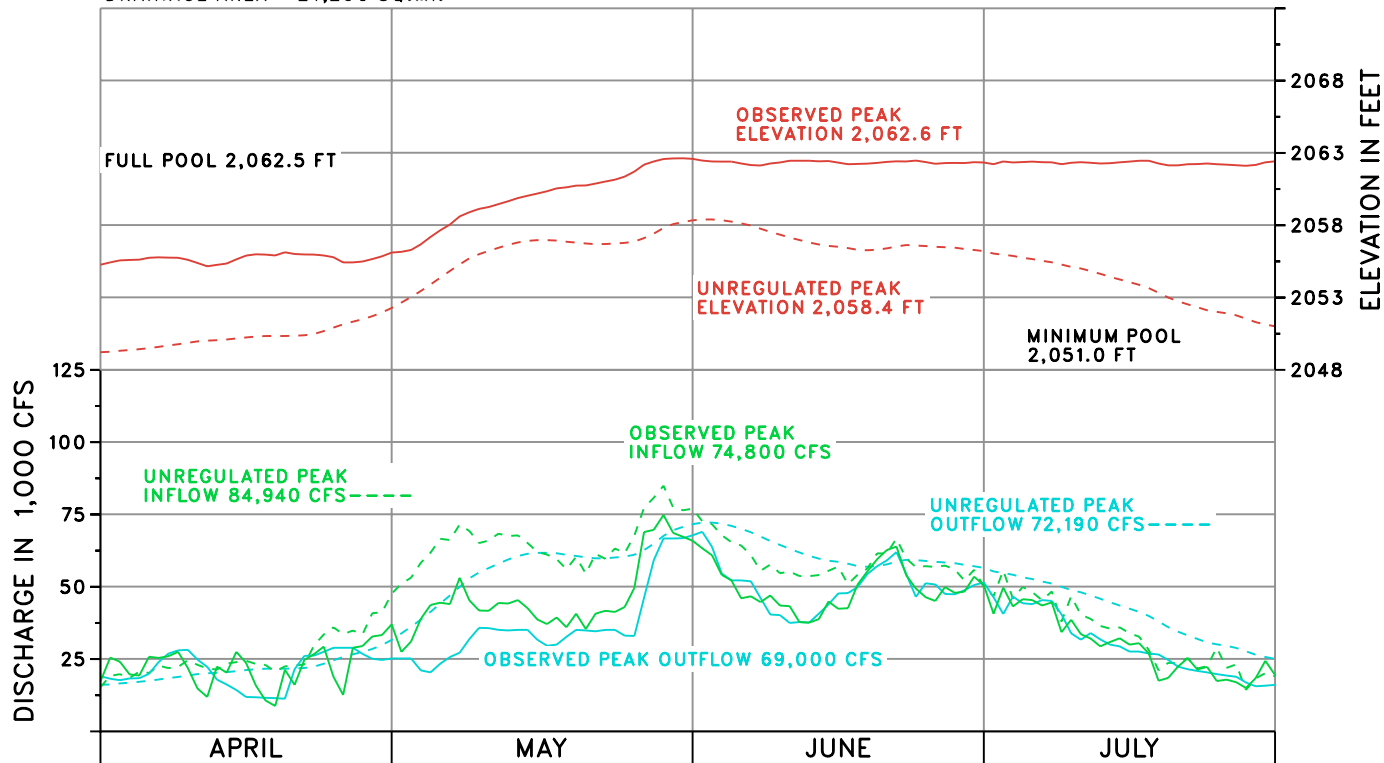
Chart 65



**1998 FLOOD REGULATION
FLATHEAD RIVER AT FLATHEAD LAKE, MONTANA**

Chart 66

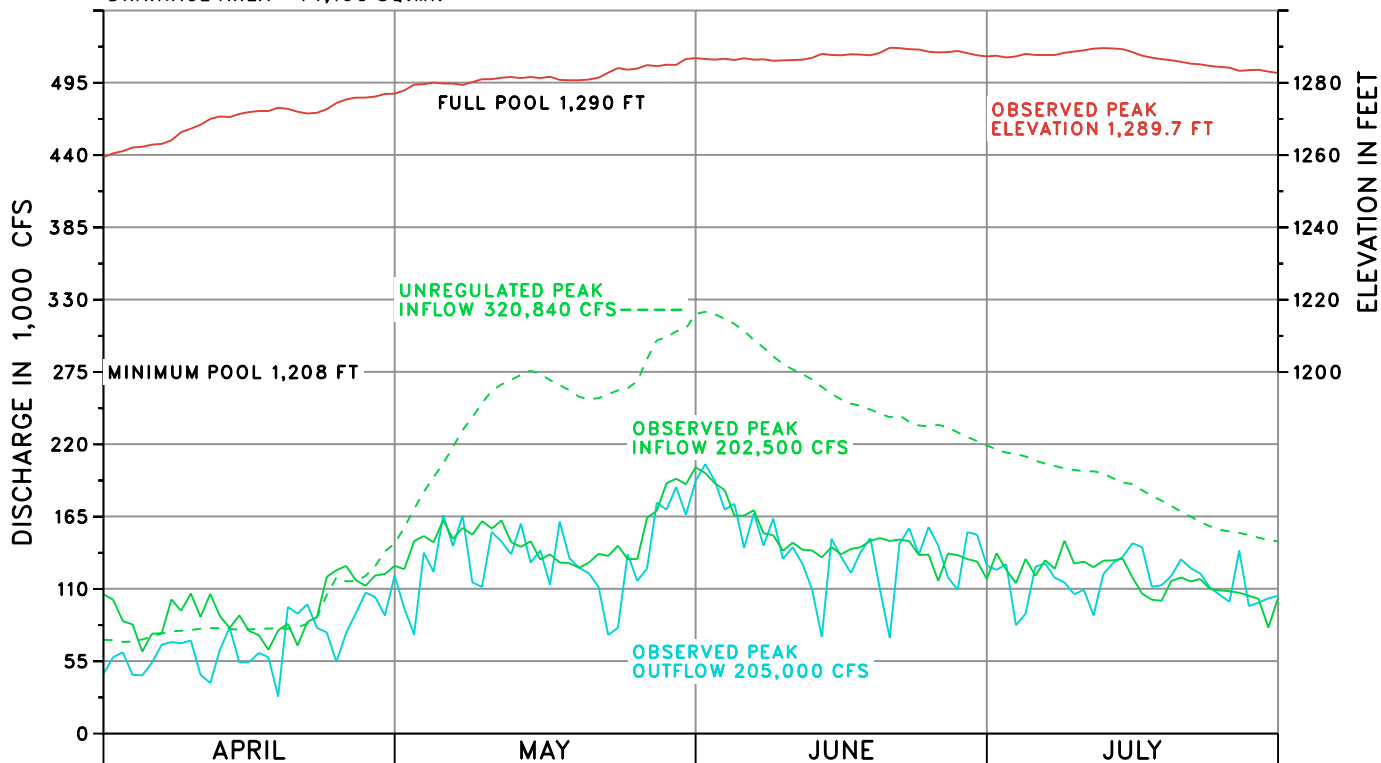
DRAINAGE AREA = 24,200 SQ.MI.



1998 FLOOD REGULATION
PEND OREILLE RIVER AT PEND OREILLE LAKE, IDAHO

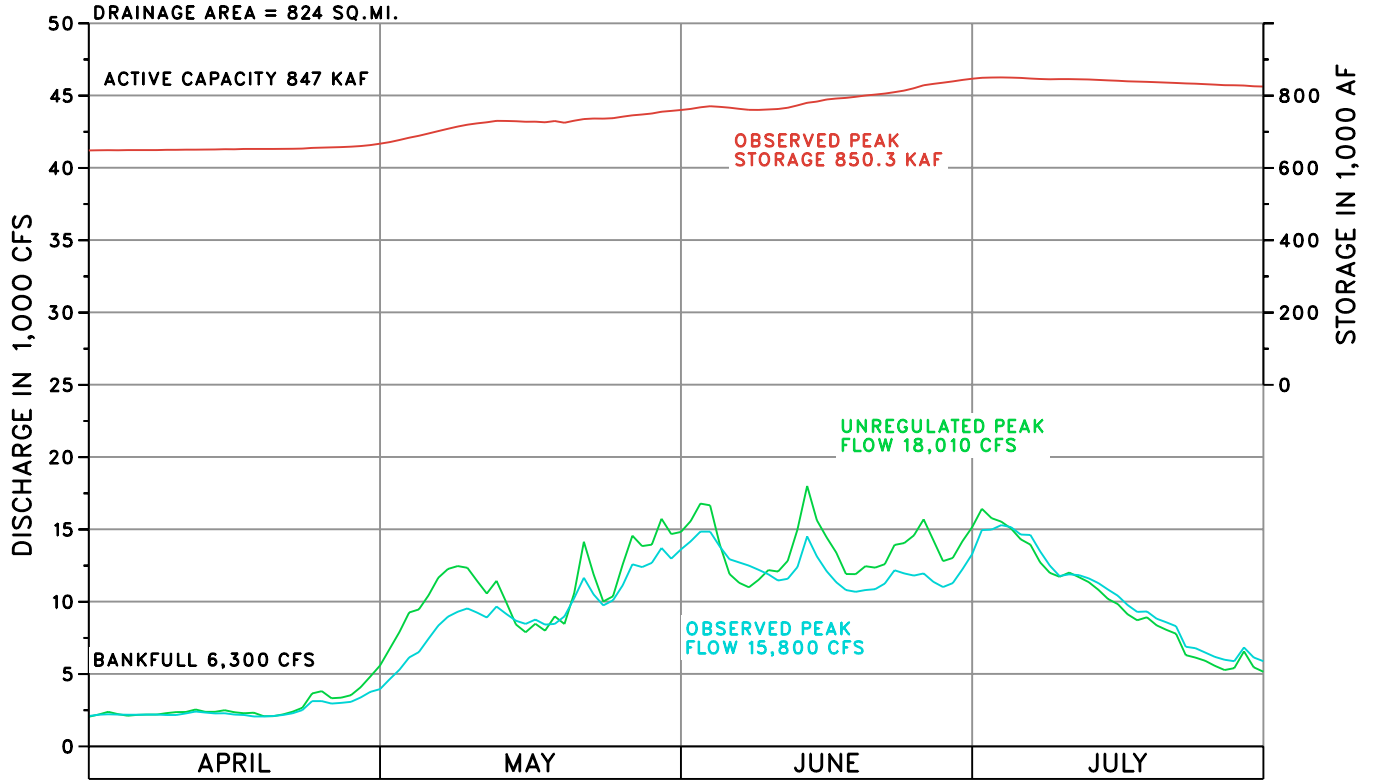
Chart 67

DRAINAGE AREA = 74,100 SQ.MI.



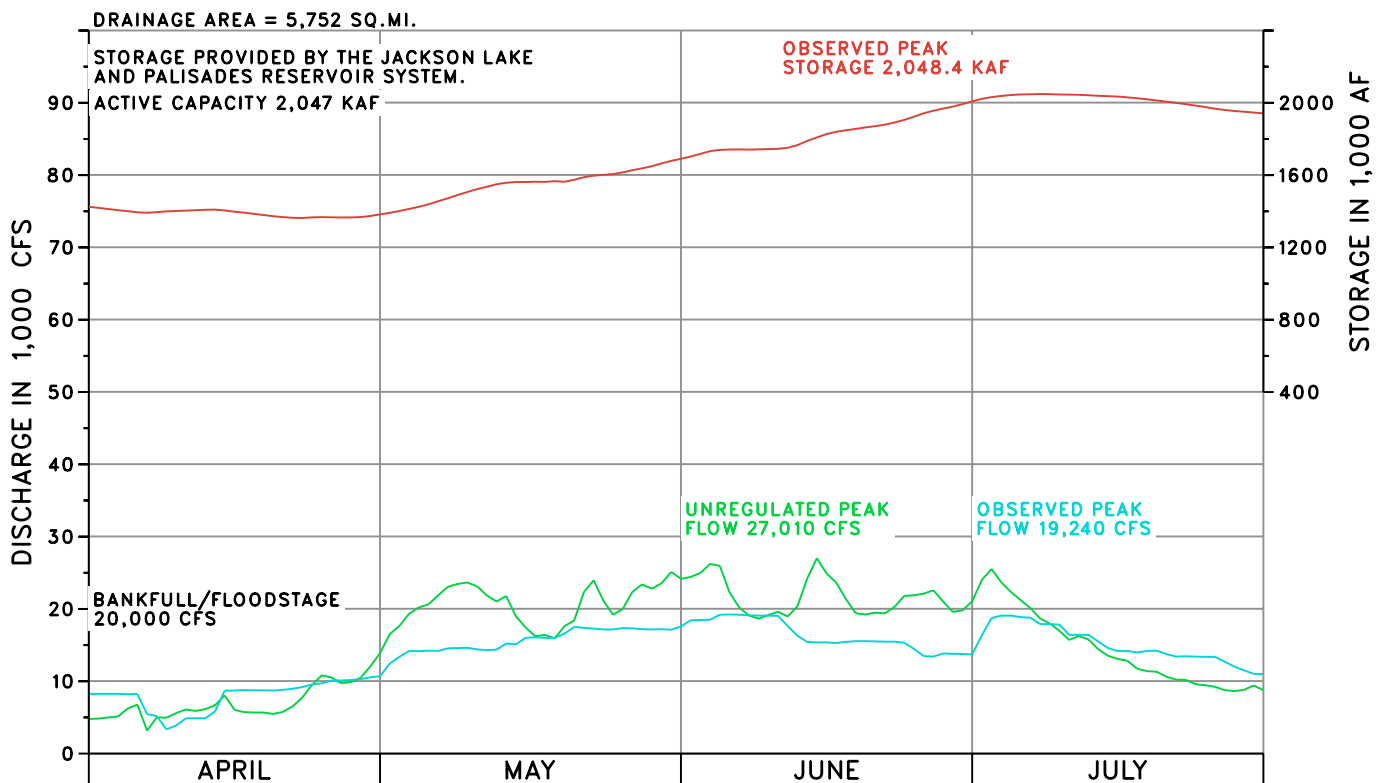
1998 FLOOD REGULATION
COLUMBIA RIVER AT GRAND COULEE PROJECT, WASHINGTON

Chart 68



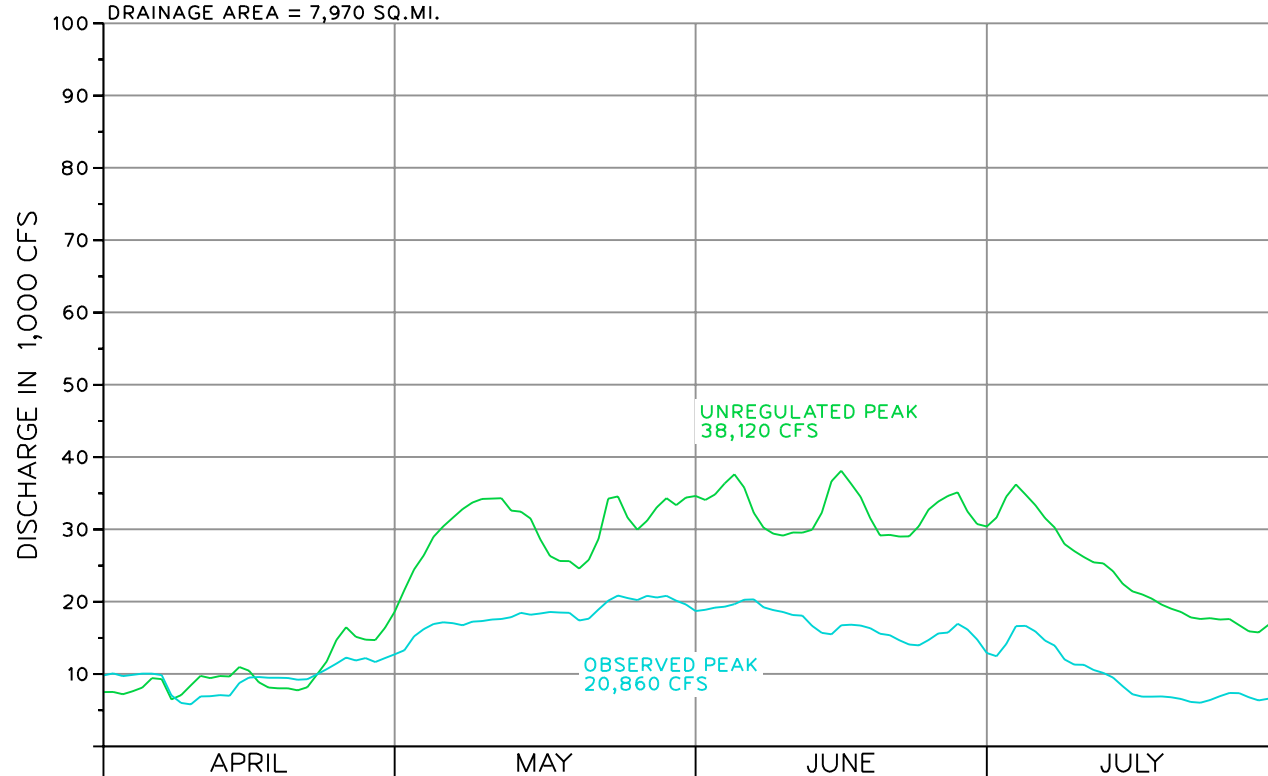
**1998 FLOOD REGULATION
SNAKE RIVER BELOW JACKSON LAKE, WYOMING**

Chart 69



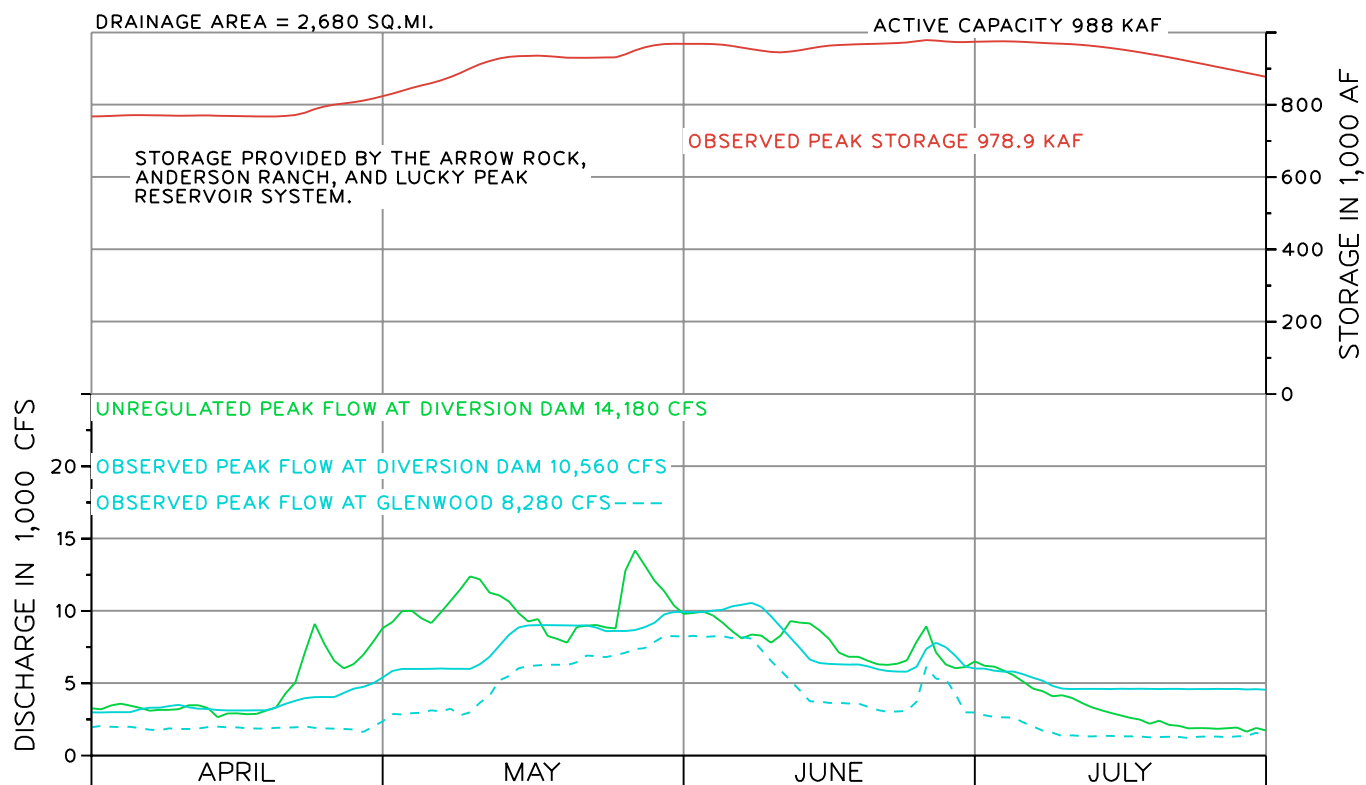
**1998 FLOOD REGULATION
SNAKE RIVER NEAR HEISE, IDAHO**

Chart 70



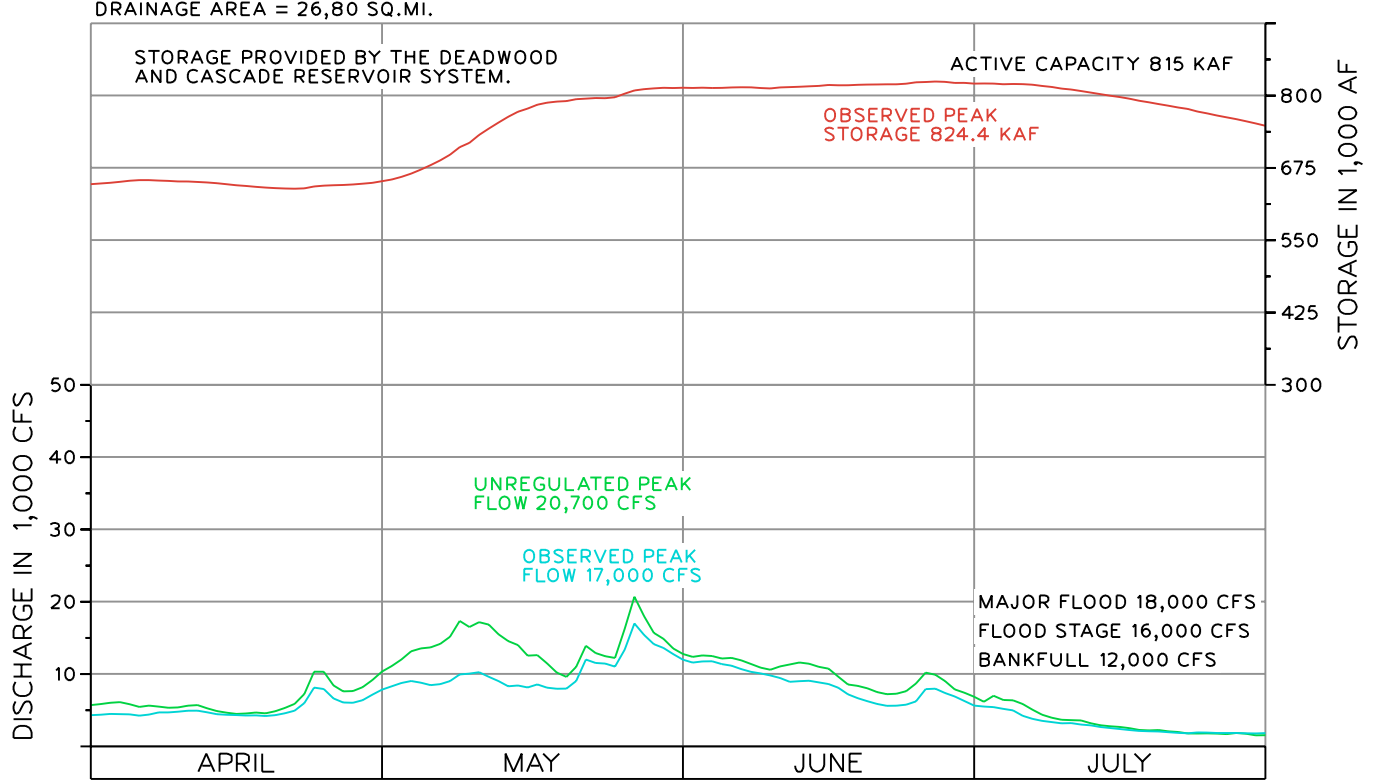
**1998 FLOOD REGULATION
SNAKE RIVER NEAR SHELLEY, IDAHO**

Chart 71



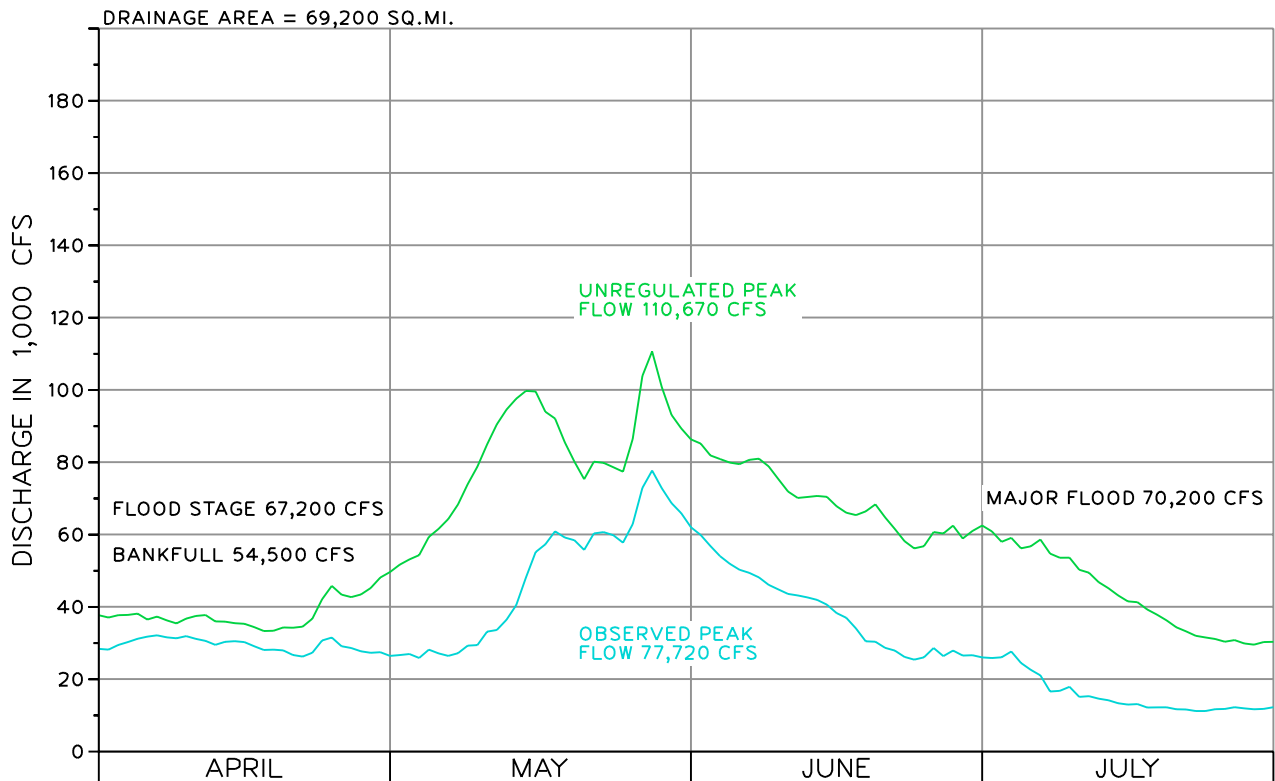
**1998 FLOOD REGULATION
BOISE RIVER AT AND NEAR BOISE, IDAHO**

Chart 72



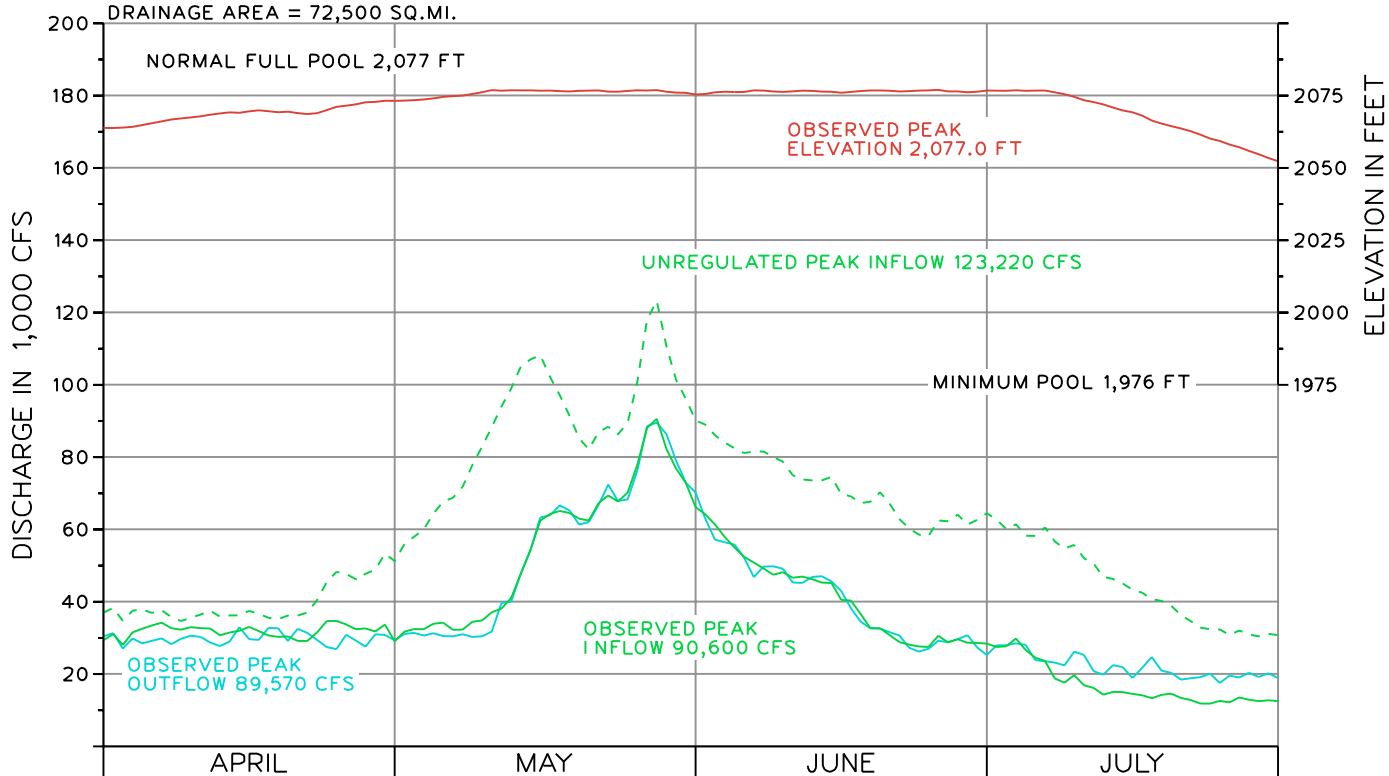
**1998 FLOOD REGULATION
PAYETTE RIVER NEAR EMMETT, IDAHO**

Chart 73



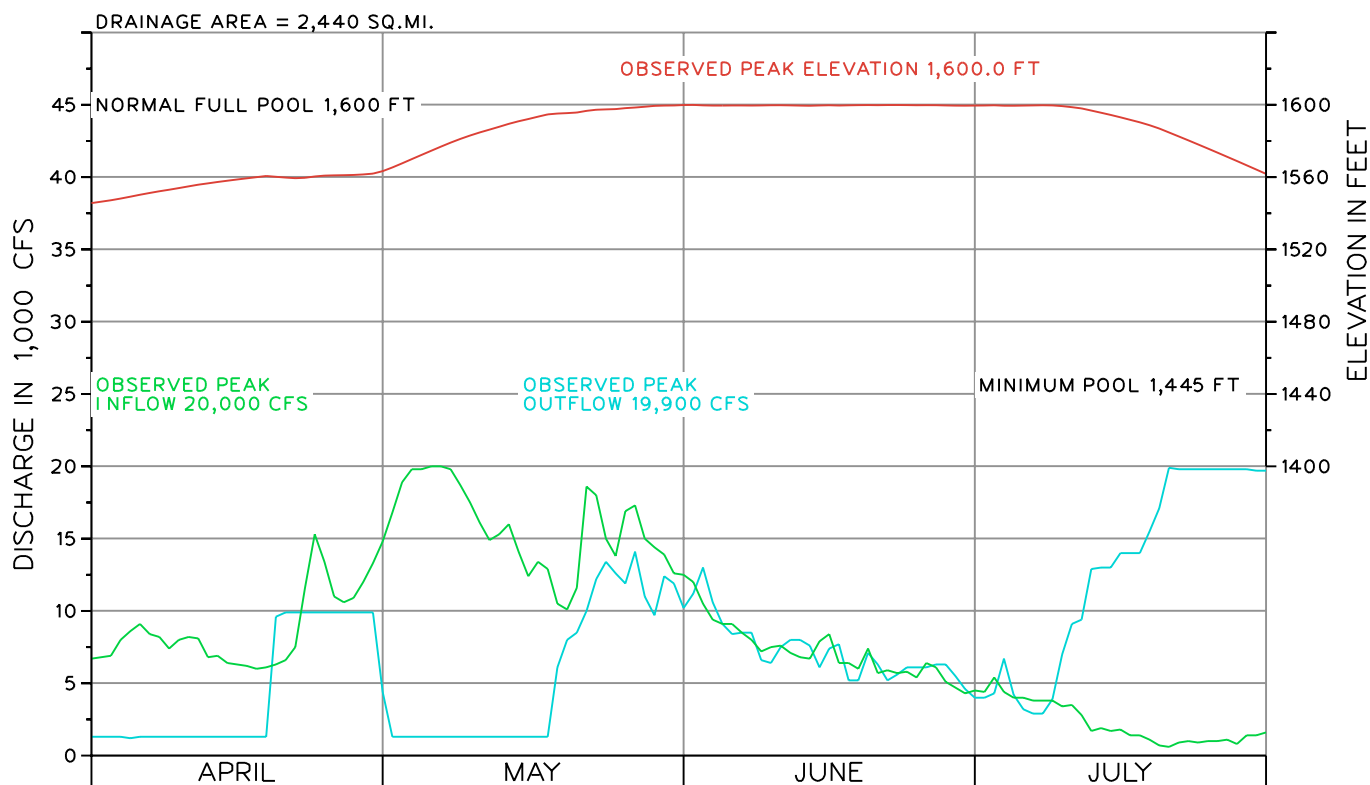
**1998 FLOOD REGULATION
SNAKE RIVER AT WEISER, IDAHO**

Chart 74



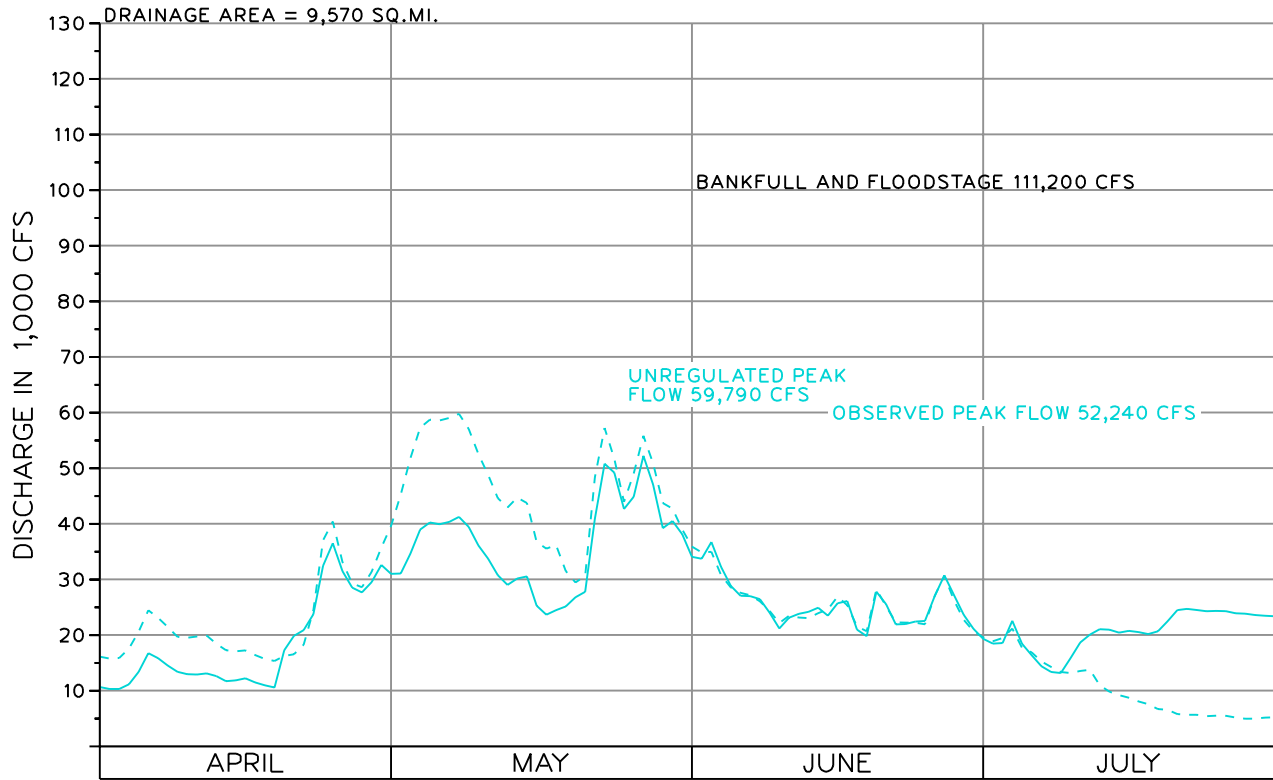
**1998 FLOOD REGULATION
SNAKE RIVER AT BROWNLEE PROJECT, IDAHO-OREGON**

Chart 75



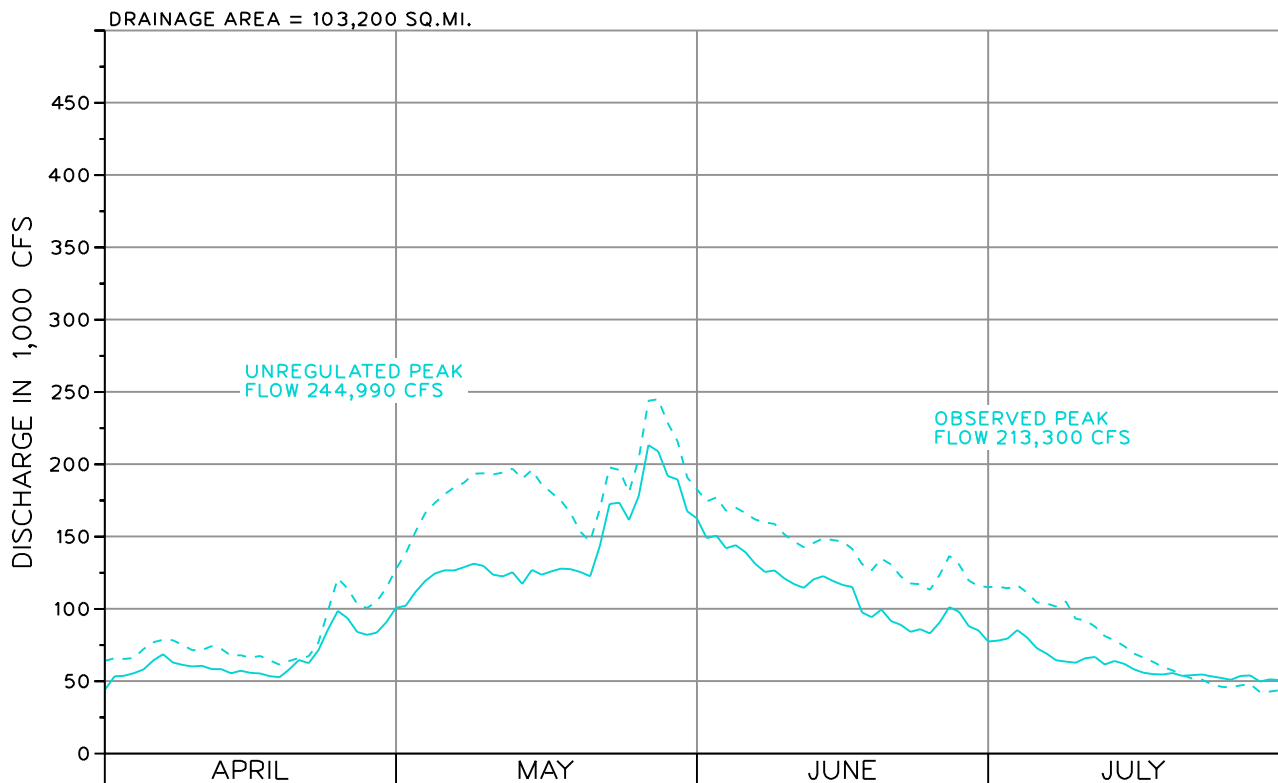
**1998 FLOOD REGULATION
NORTH FORK CLEARWATER RIVER AT DWORSHAK PROJECT, IDAHO**

Chart 76



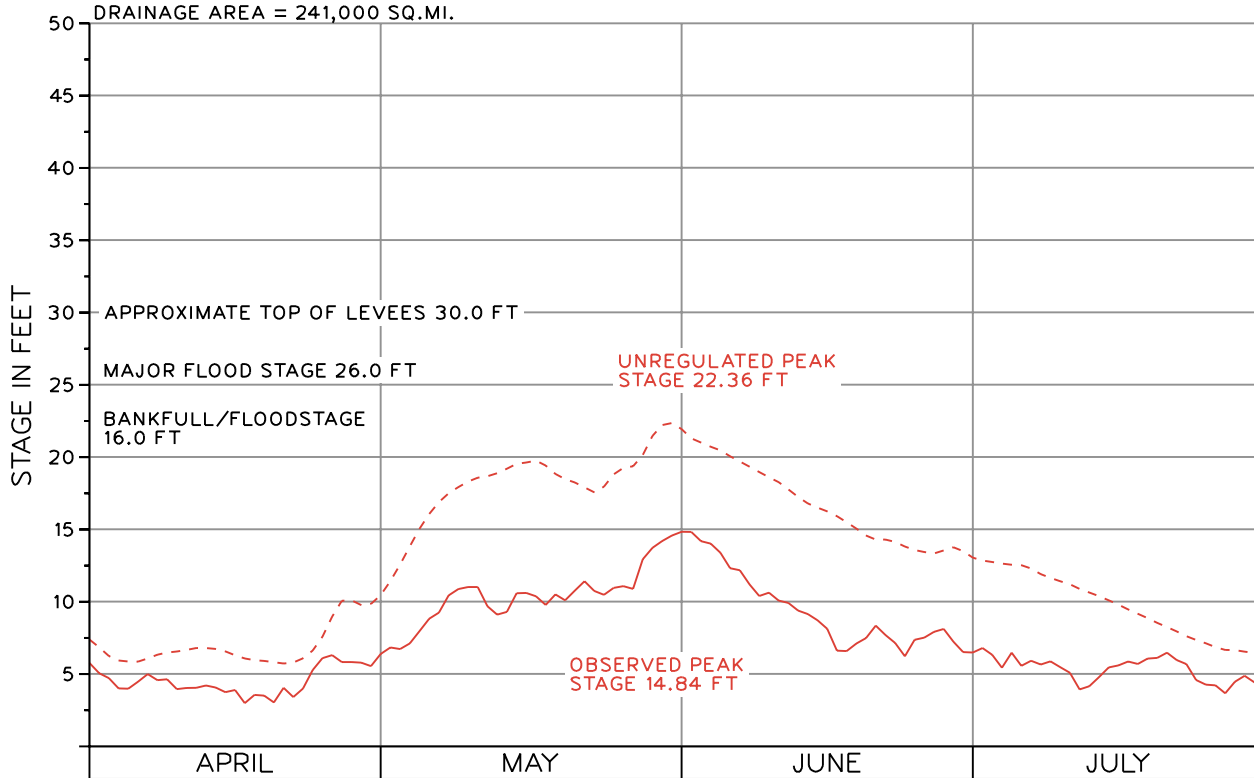
1998 FLOOD REGULATION
CLEARWATER RIVER AT SPALDING, IDAHO

Chart 77



1998 FLOOD REGULATION
SNAKE RIVER BELOW LOWER GRANITE DAM, WASHINGTON

Chart 78



1998 FLOOD REGULATION
COLUMBIA RIVER AT VANCOUVER, WASHINGTON

Chart 79

1998 FLOOD REGULATION Columbia River at The Dalles

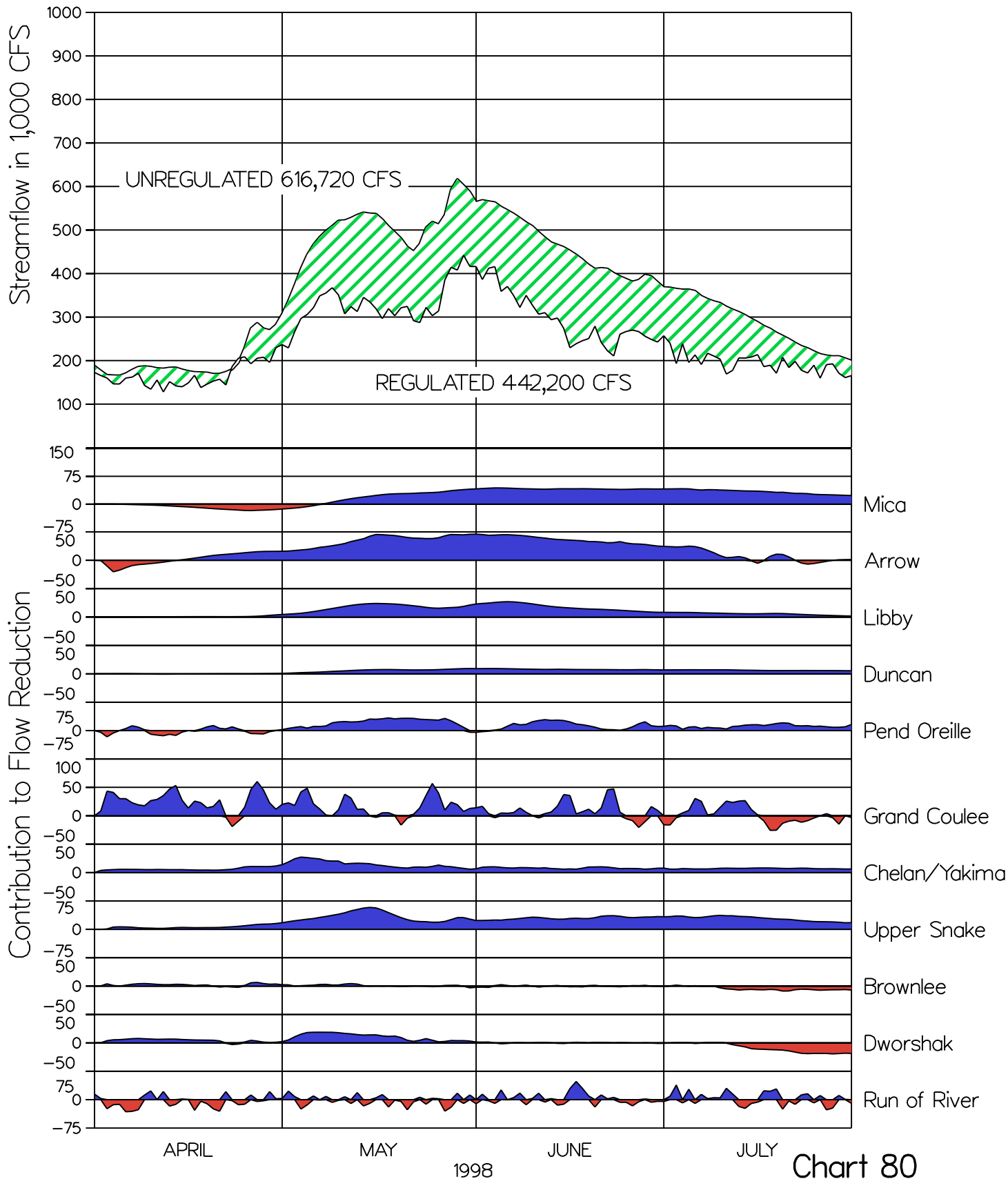
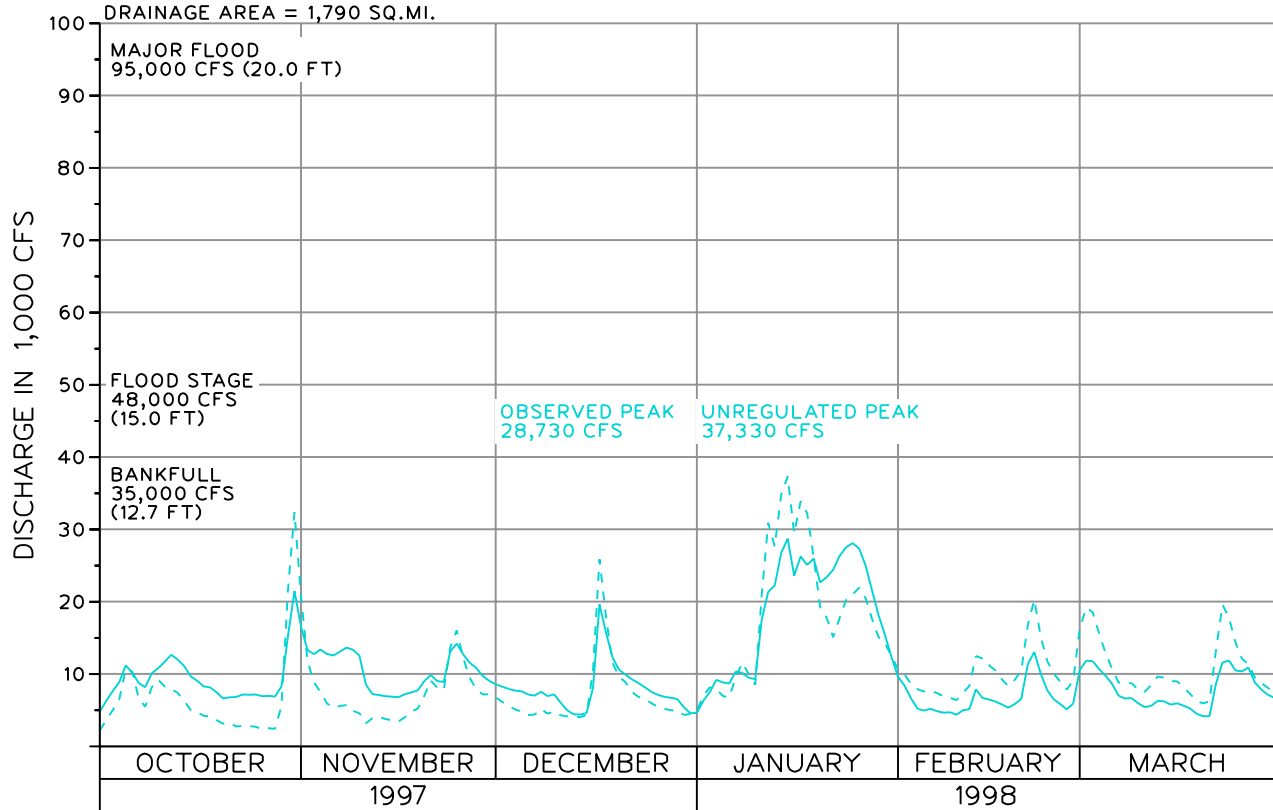
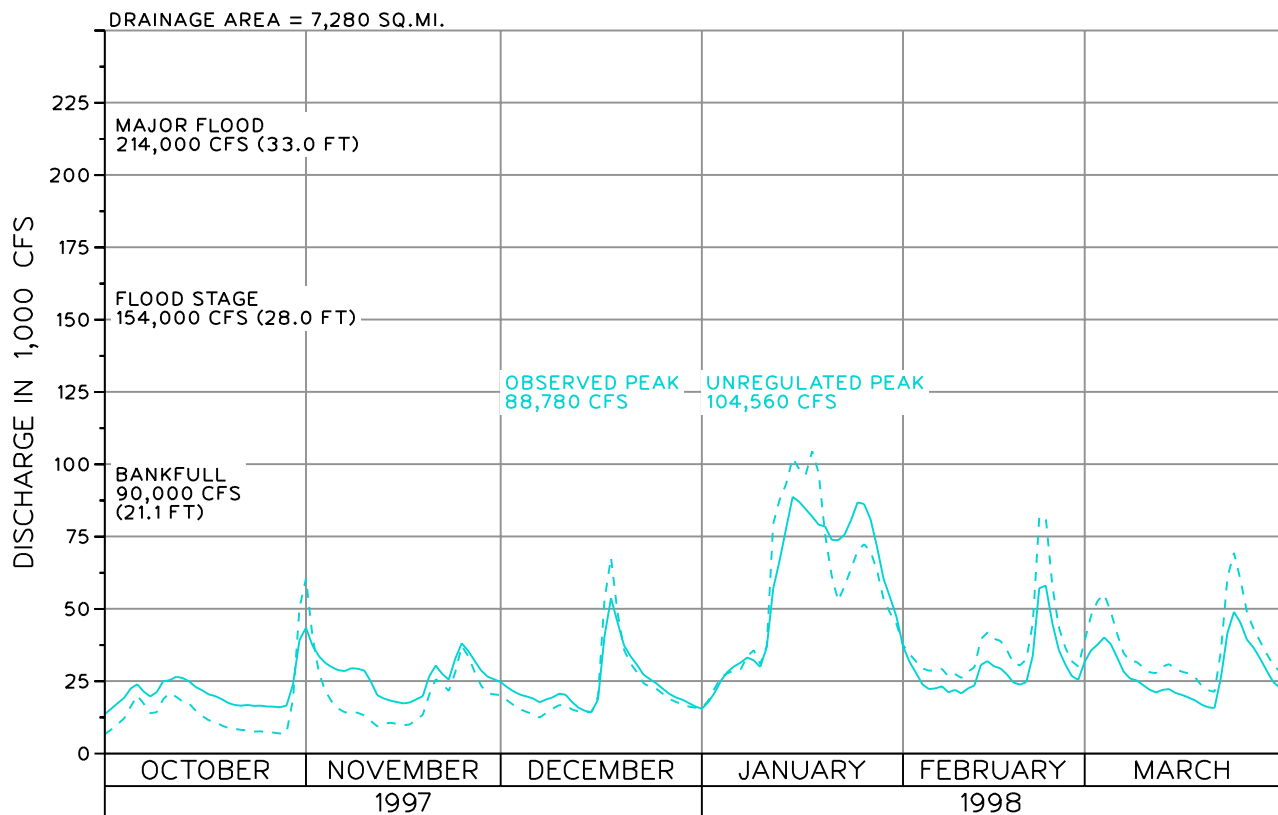


Chart 80



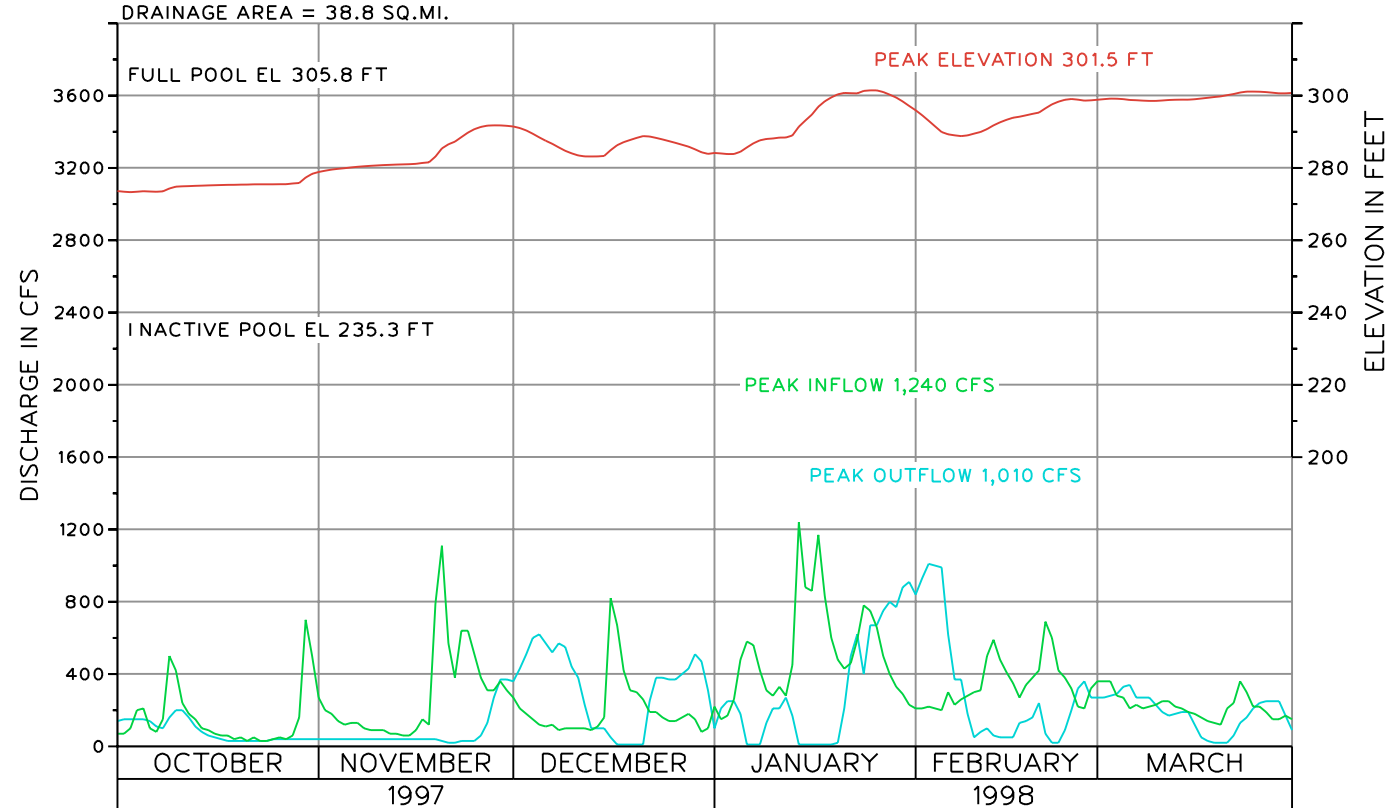
1997/98 FLOOD REGULATION
SANTIAM RIVER AT JEFFERSON, OREGON

Chart 83



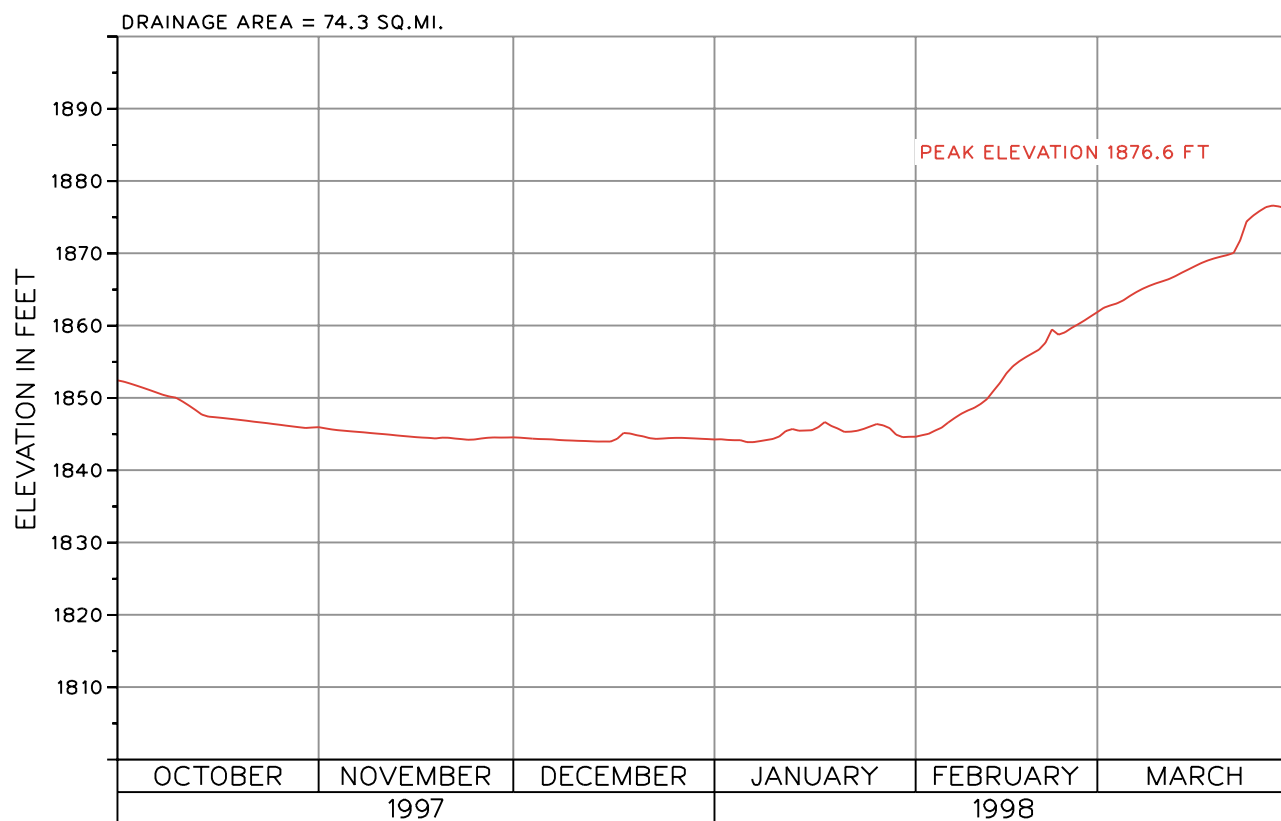
1997/98 FLOOD REGULATION
WILLAMETTE RIVER AT SALEM, OREGON

Chart 84



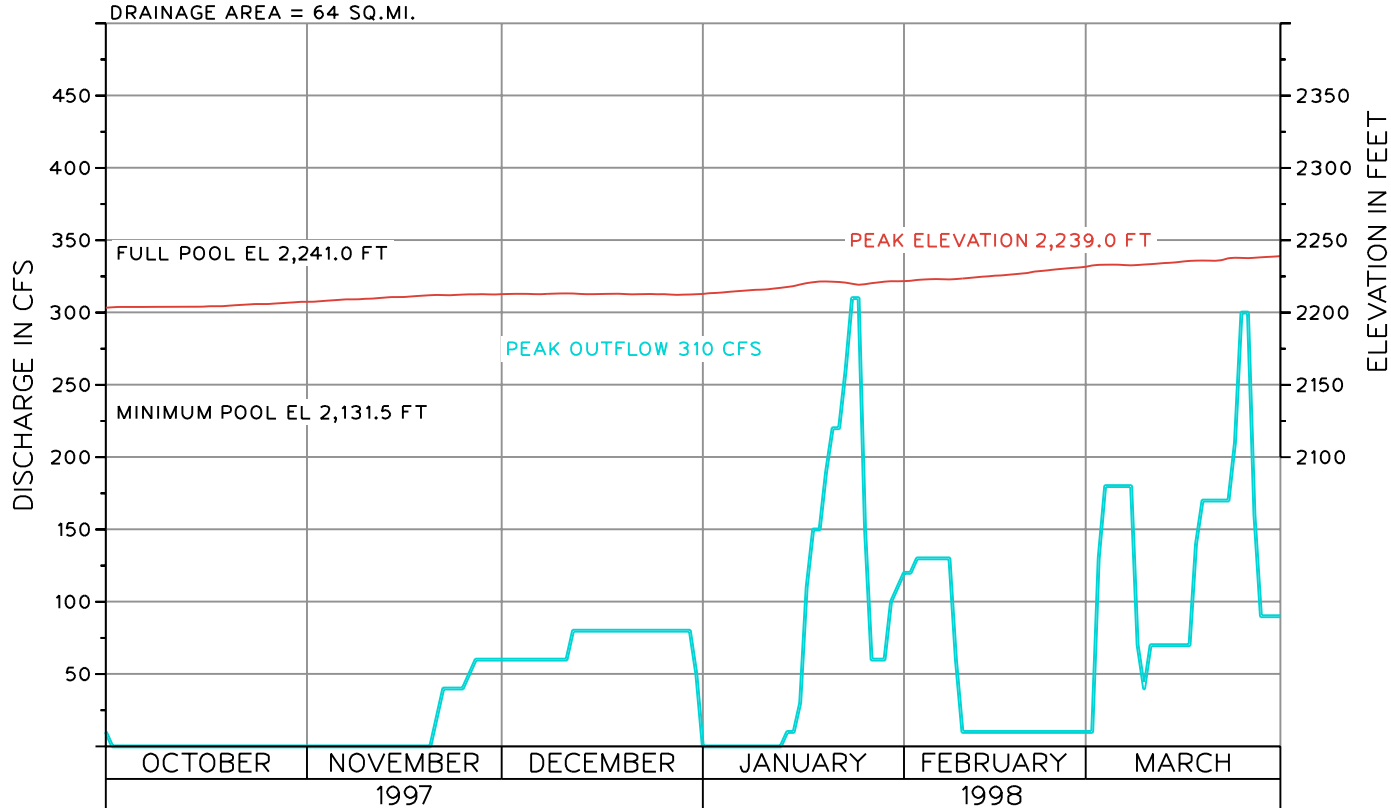
1997/98 FLOOD REGULATION
SCOGGINS DAM & HENRY HAGG LAKE NEAR GASTON, OREGON

Chart 85



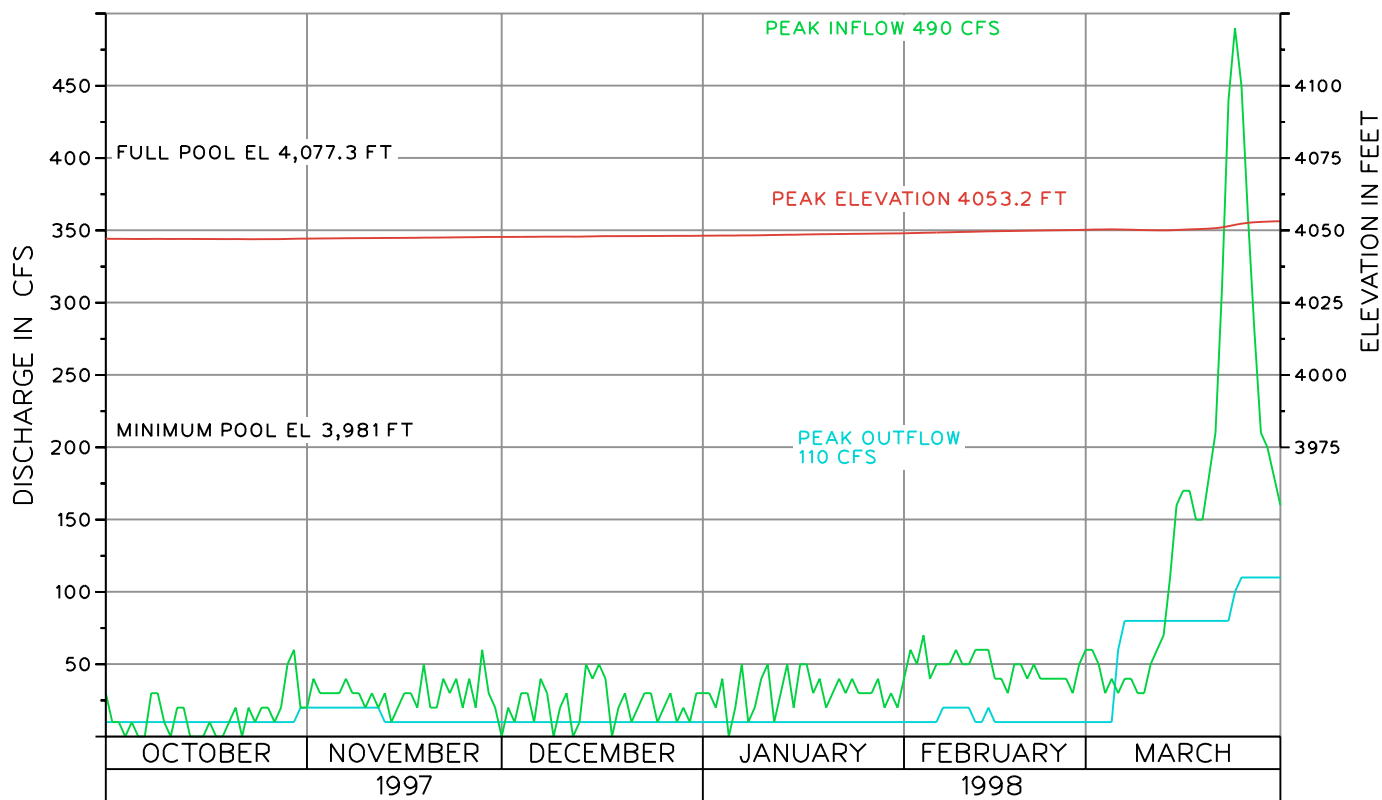
1997/98 FLOOD REGULATION
GALESVILLE RESERVOIR NEAR AZALEA, OREGON

Chart 86



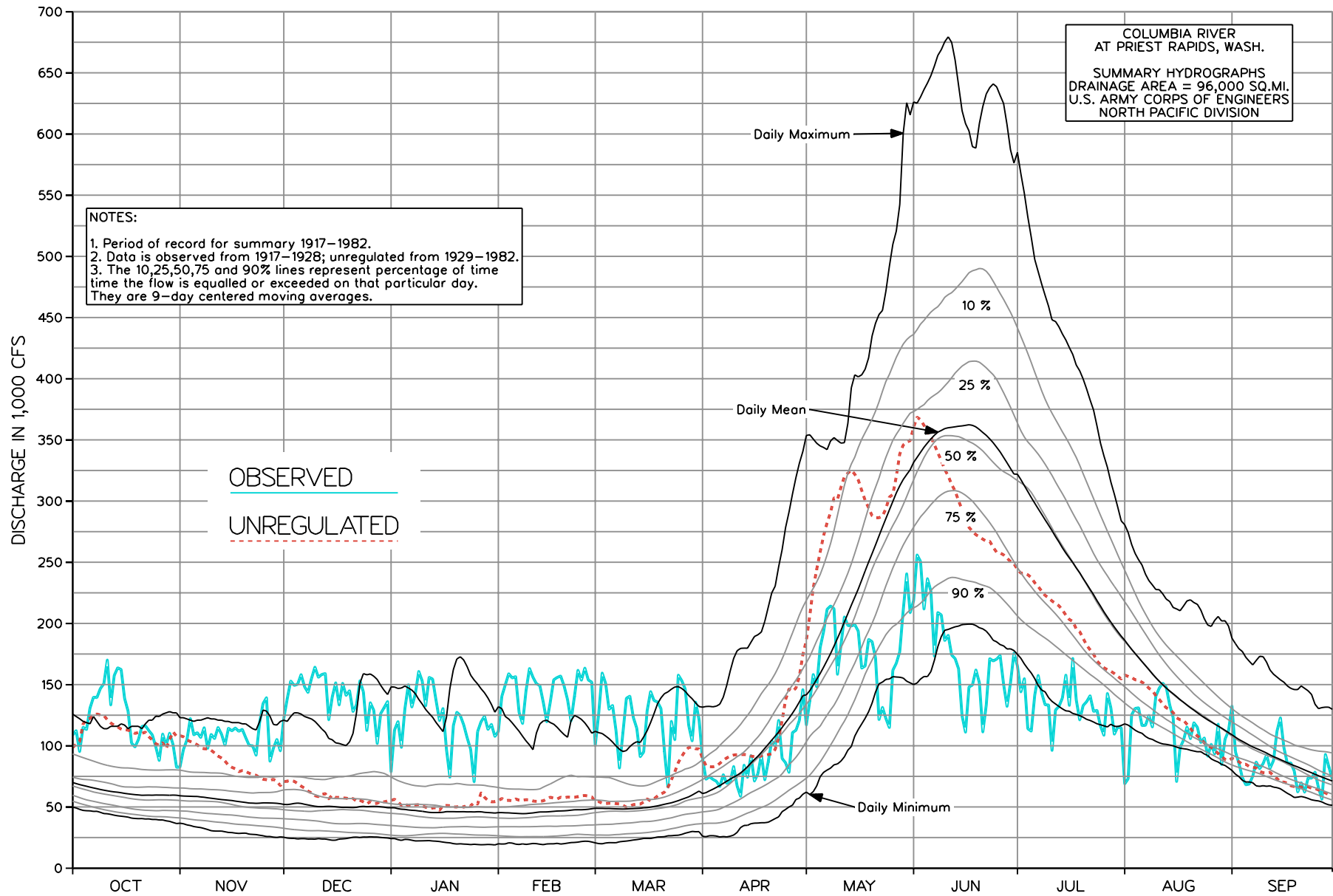
1997/98 FLOOD REGULATION
EMIGRANT DAM & RESERVOIR NEAR TALENT, OREGON

Chart 87



1997/98 FLOOD REGULATION
MASON DAM & PHILLIPS LAKE NEAR BAKER, OR

Chart 88



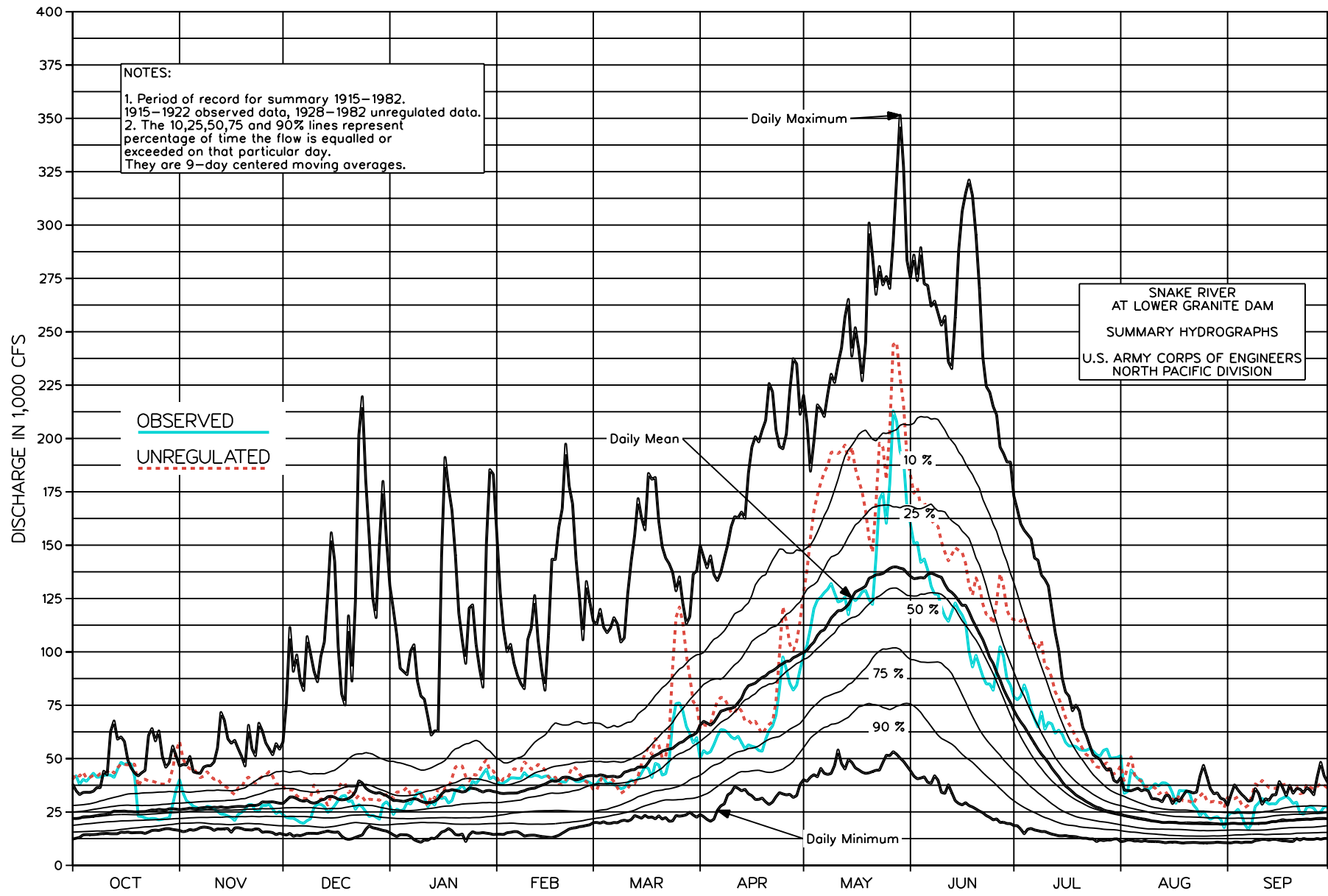


CHART NO. 90

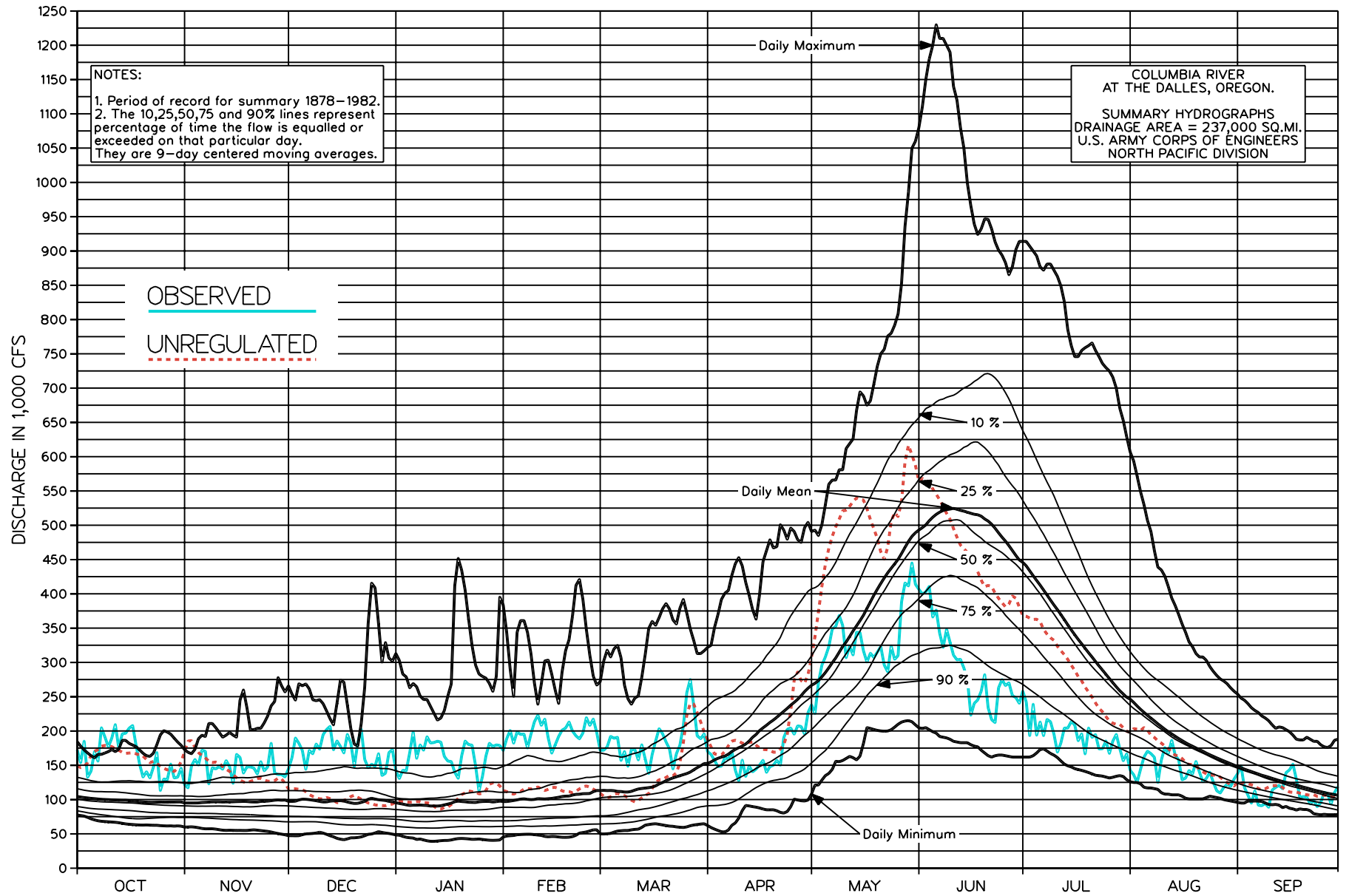


CHART NO. 91

