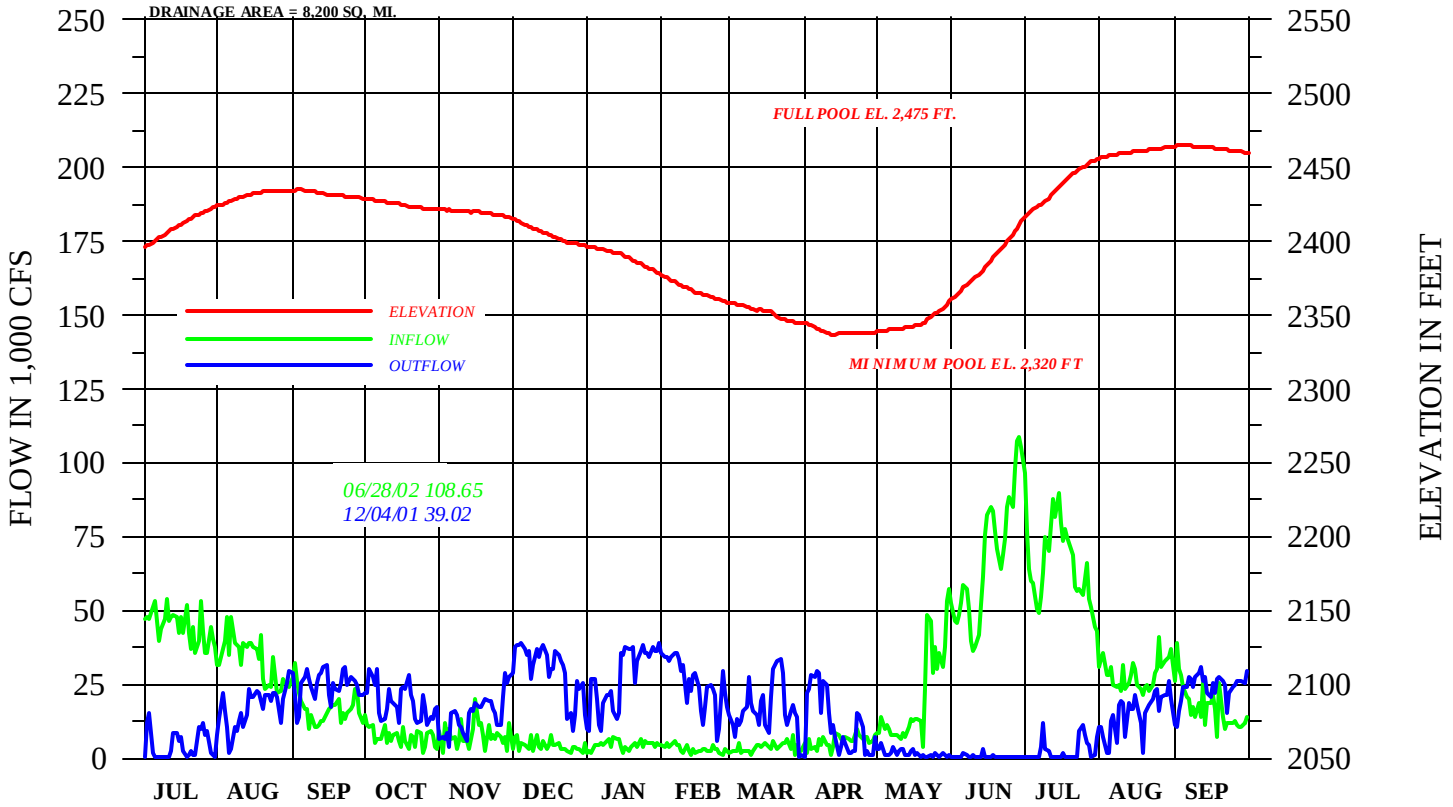
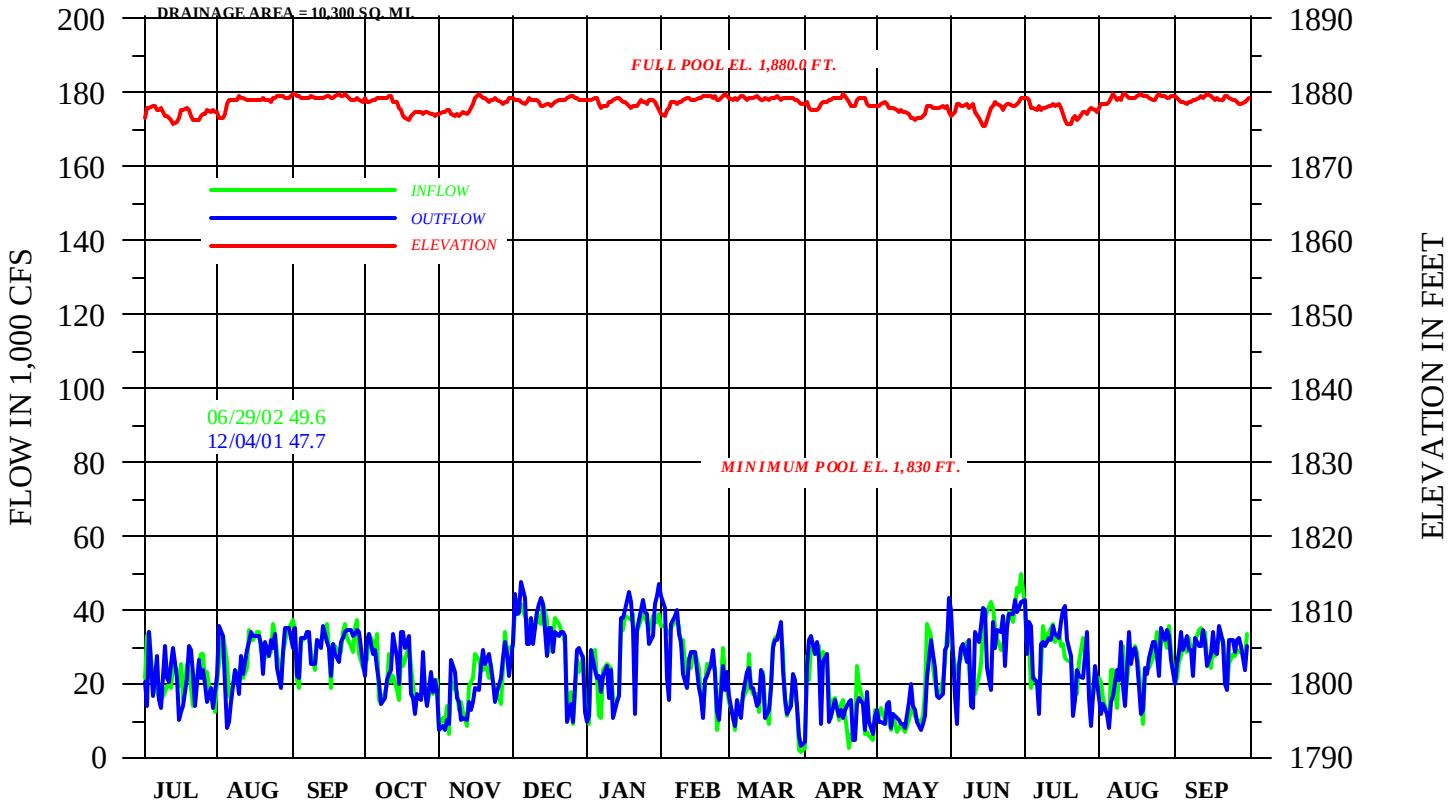


STORAGE AND STREAMFLOW HYDROGRAPHS 2001-2002

COLUMBIA RIVER AT MICA PROJECT, BRITISH COLUMBIA

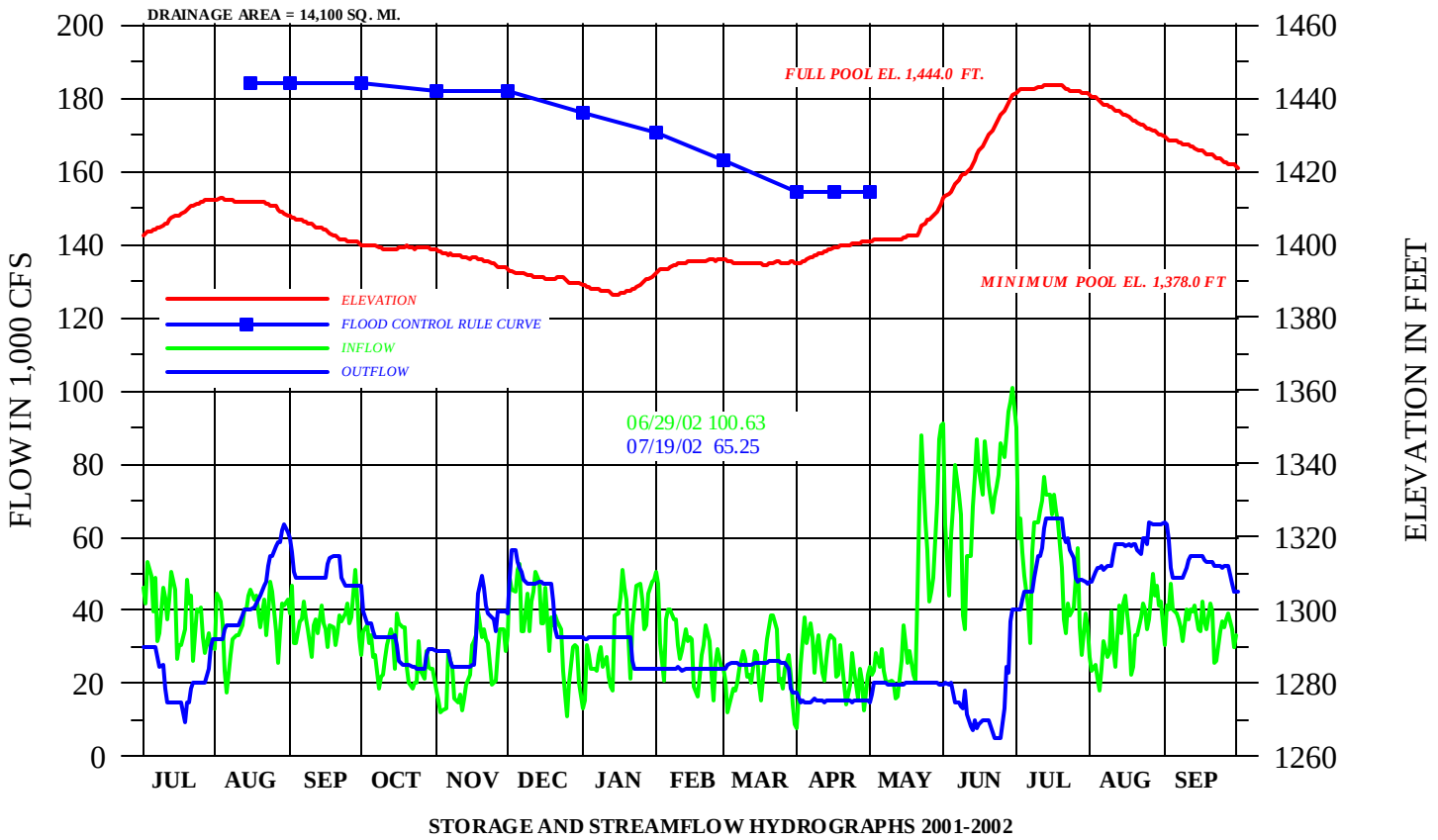
Chart 5



STORAGE AND STREAMFLOW HYDROGRAPHS 2001-2002

COLUMBIA RIVER AT REVELSTOKE PROJECT, BRITISH COLUMBIA

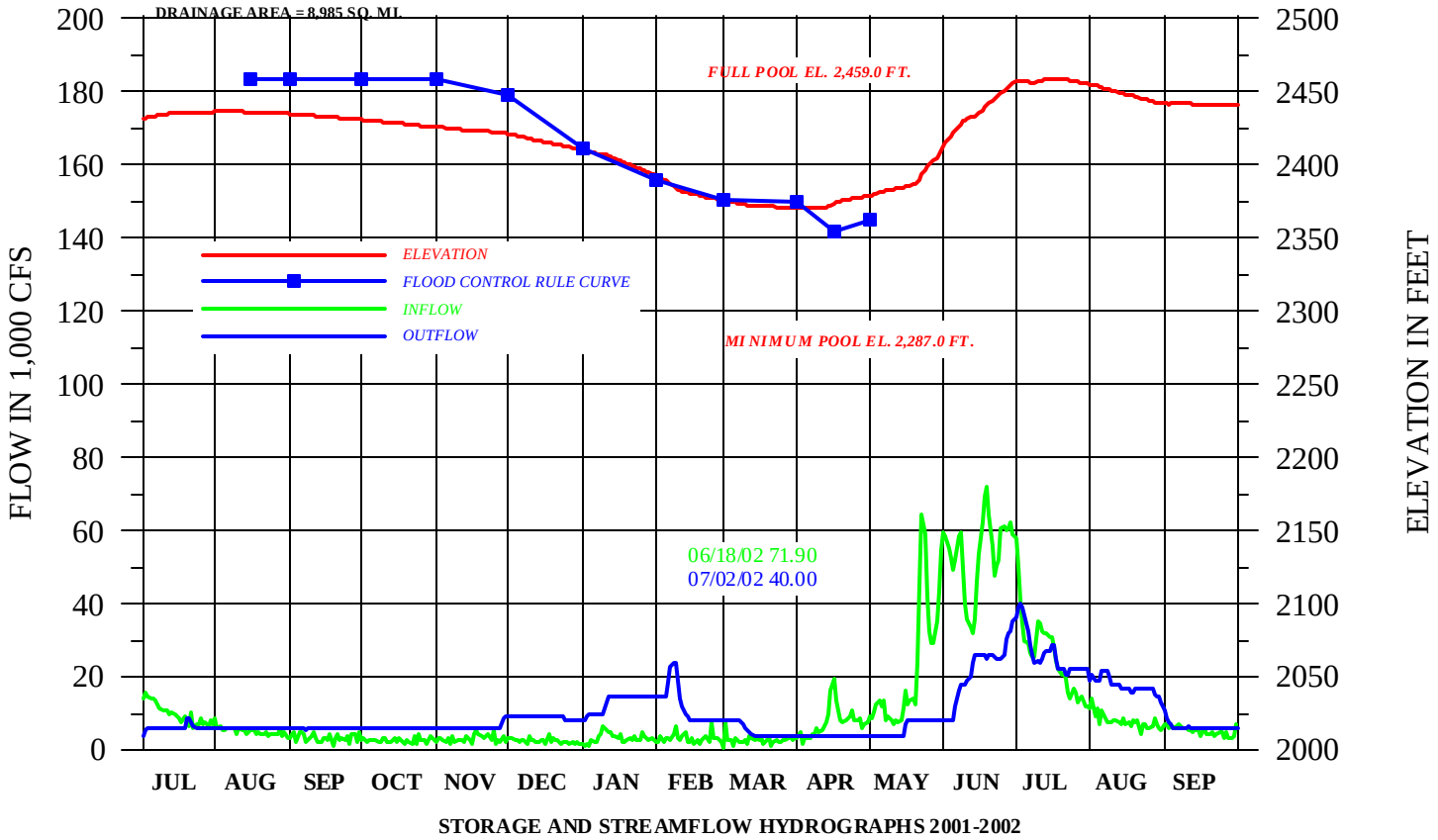
Chart 6



STORAGE AND STREAMFLOW HYDROGRAPHS 2001-2002

COLUMBIA RIVER AT ARROW PROJECT, BRITISH COLUMBIA

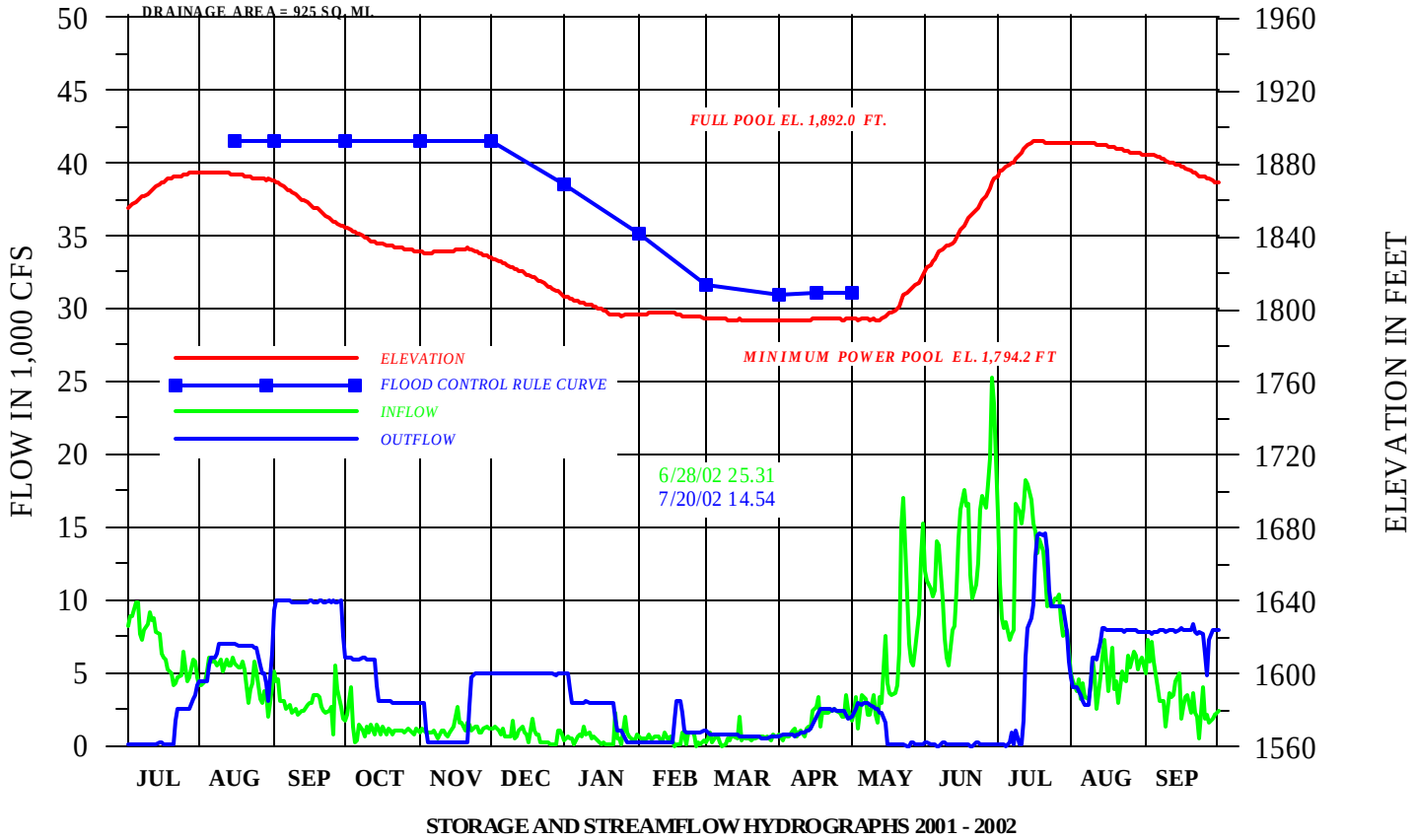
Chart 7



STORAGE AND STREAMFLOW HYDROGRAPHS 2001-2002

KOOTENAI RIVER AT LIBBY PROJECT, MONTANA

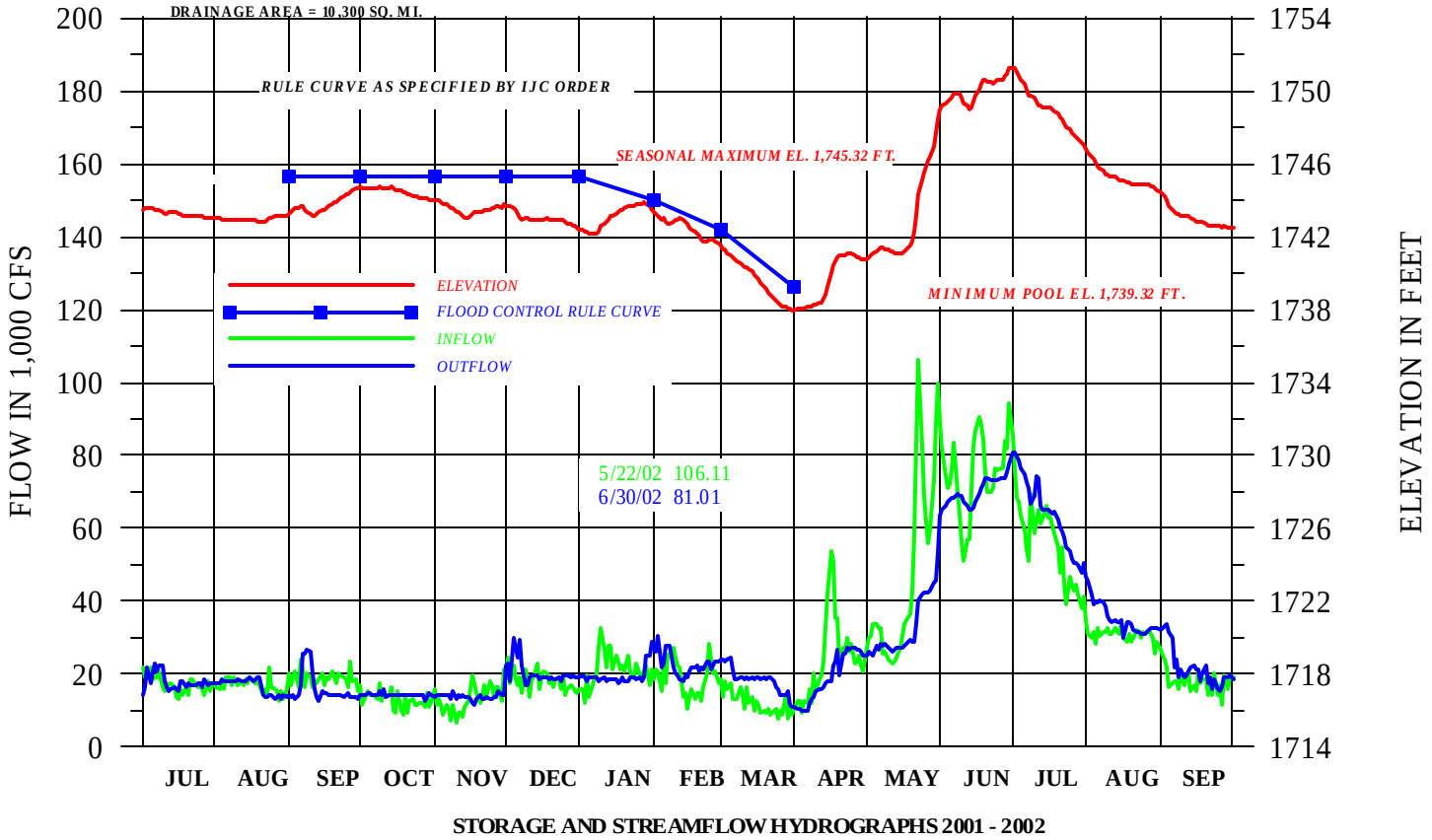
Chart 8



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

DUNCAN RIVER AT DUNCAN PROJECT, BRITISH COLUMBIA

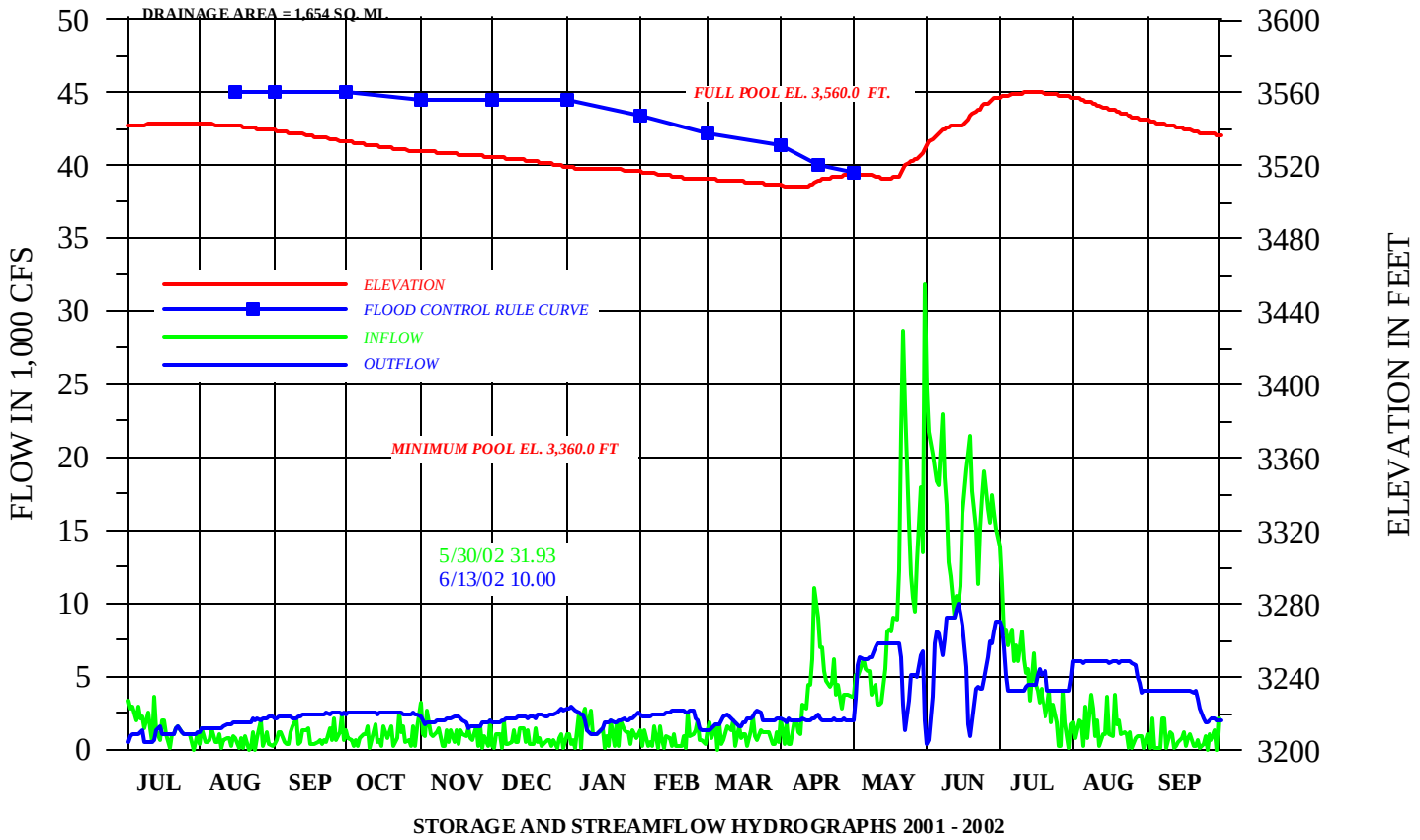
Chart 9



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

KOOTENAY RIVER AT KOOTENAY LAKE, BRITISH COLUMBIA

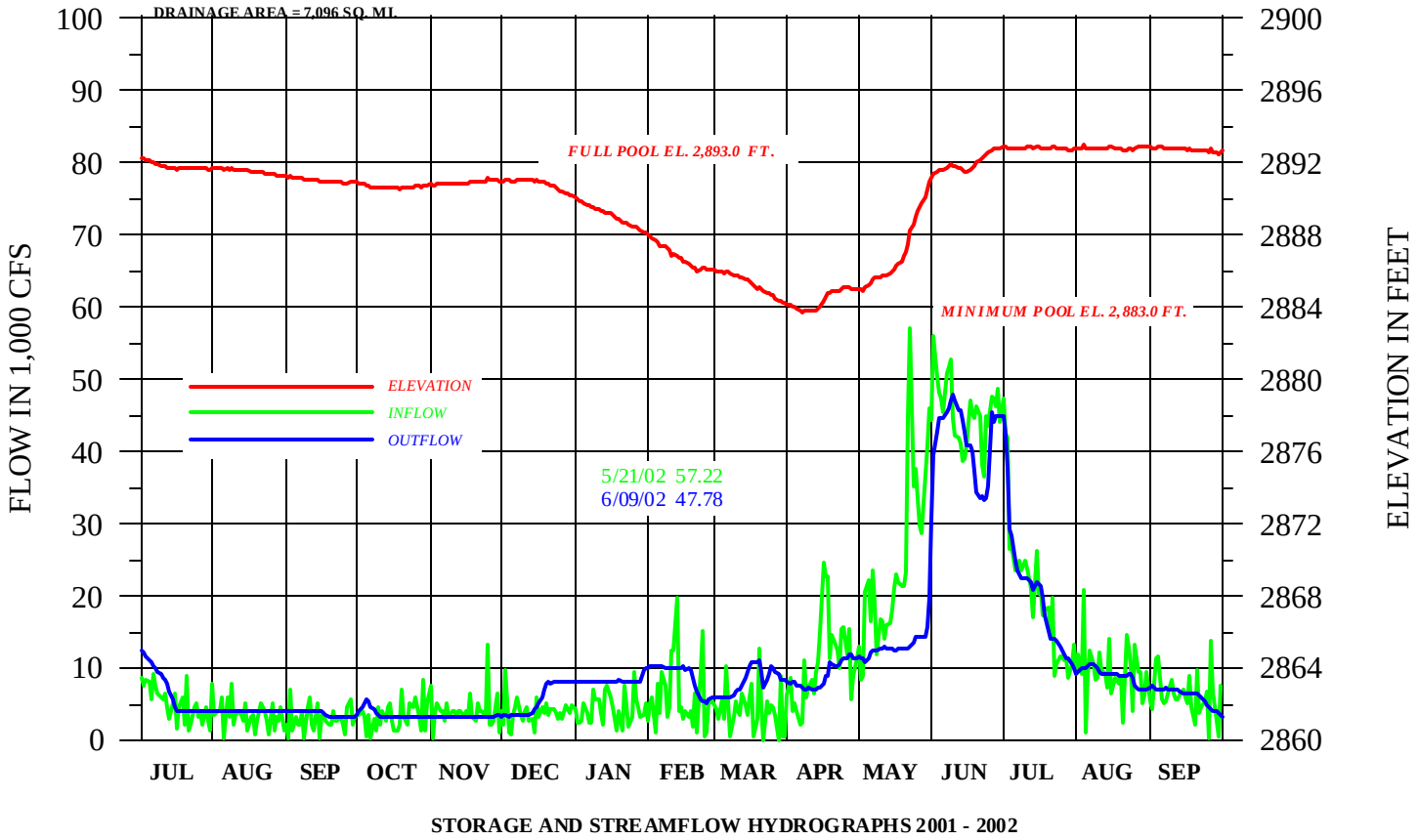
Chart 10



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

SOUTH FORK FLATHEAD RIVER AT HUNGRY HORSE PROJECT, MONTANA

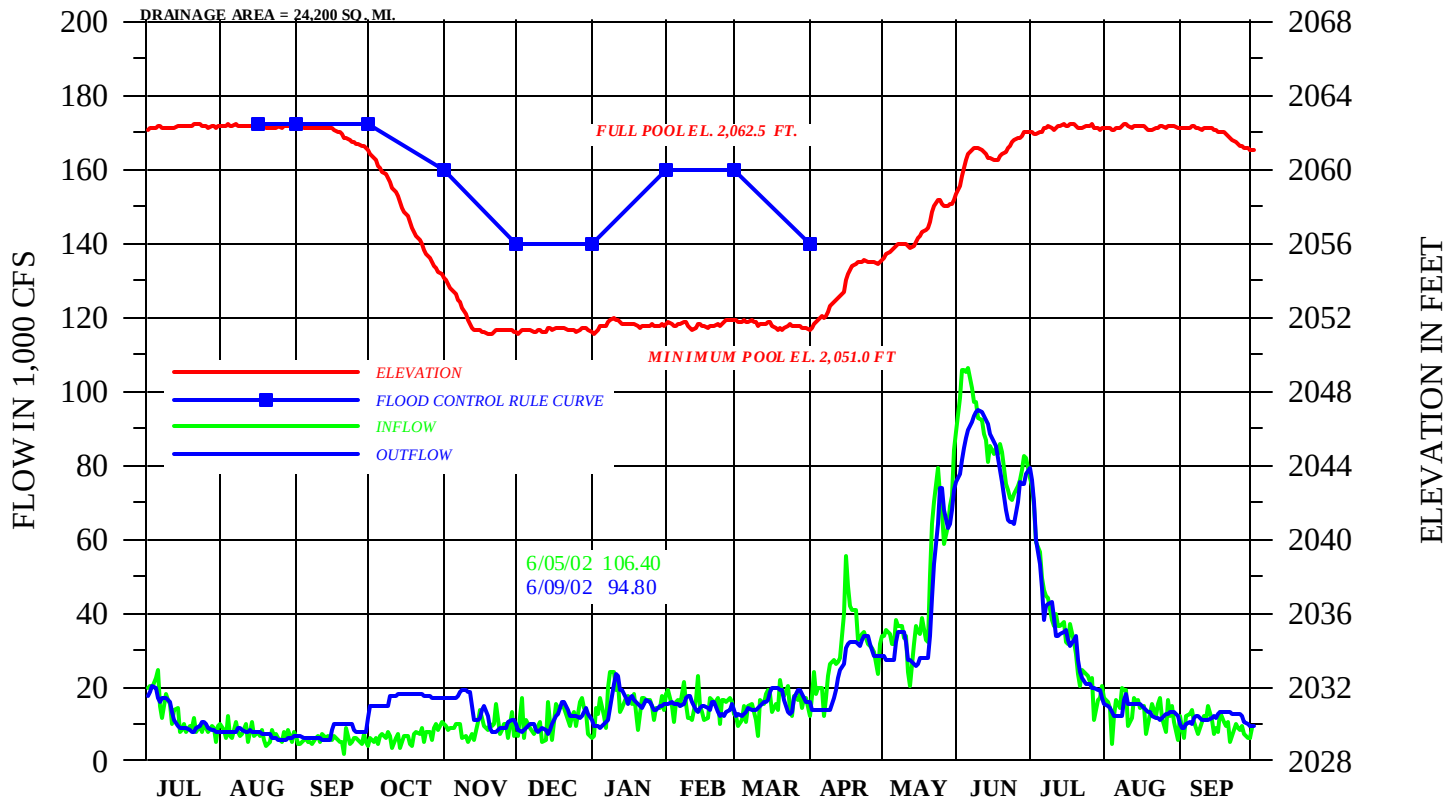
Chart 11



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

FLATHEAD RIVER AT FLATHEAD LAKE, MONTANA

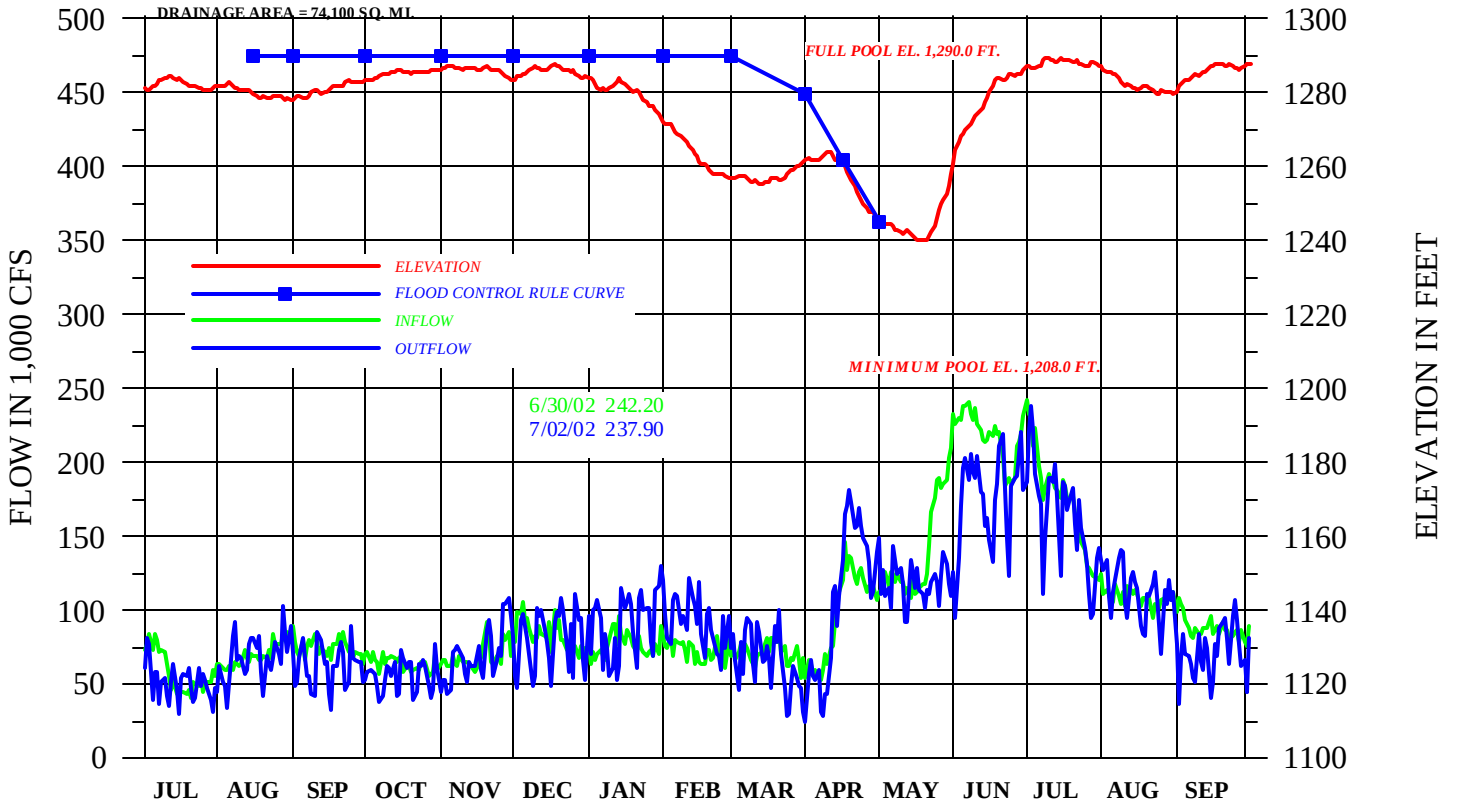
Chart 12



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

PEND OREILLE RIVER AT PEND OREILLE LAKE, IDAHO

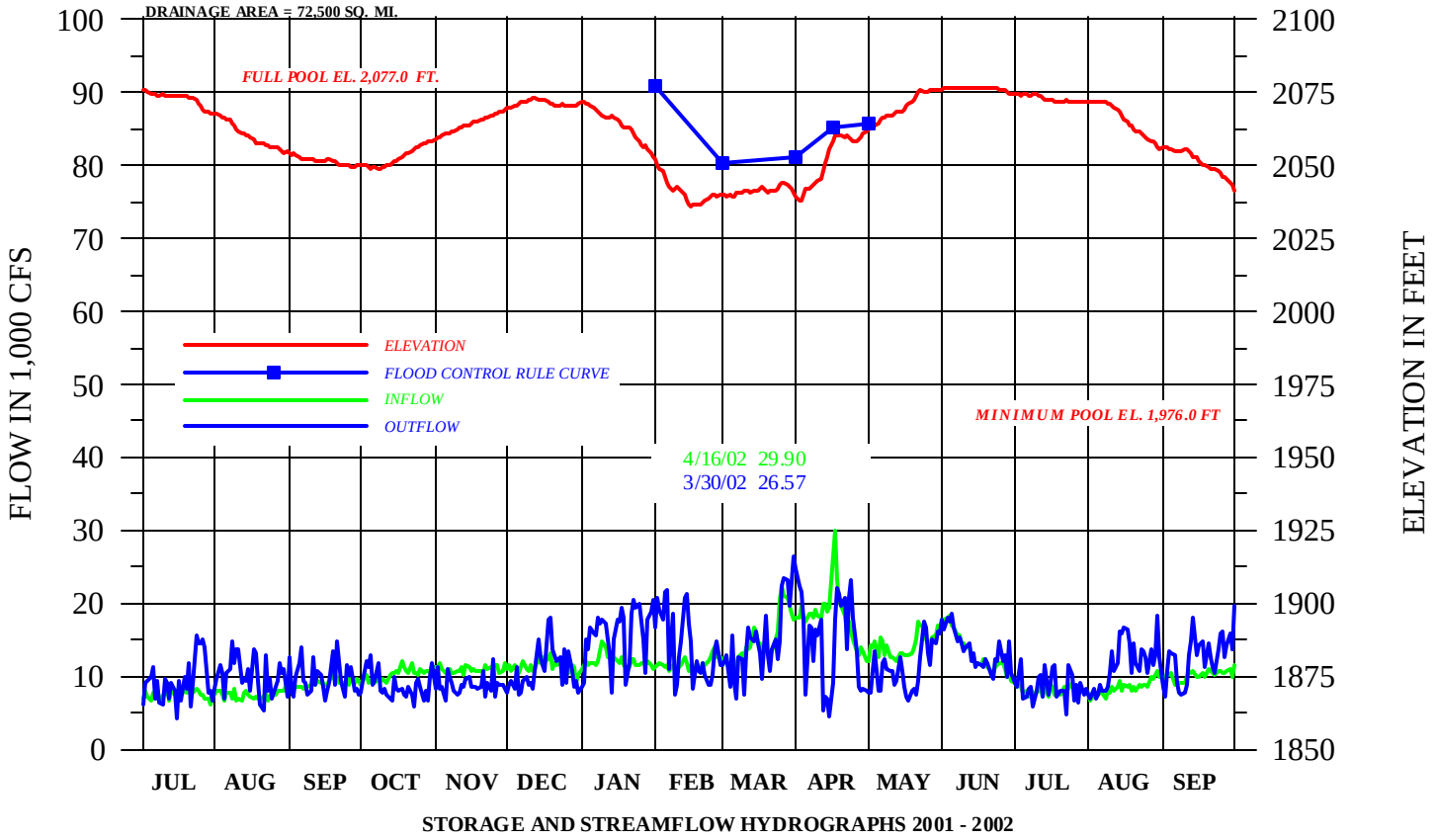
Chart 13



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

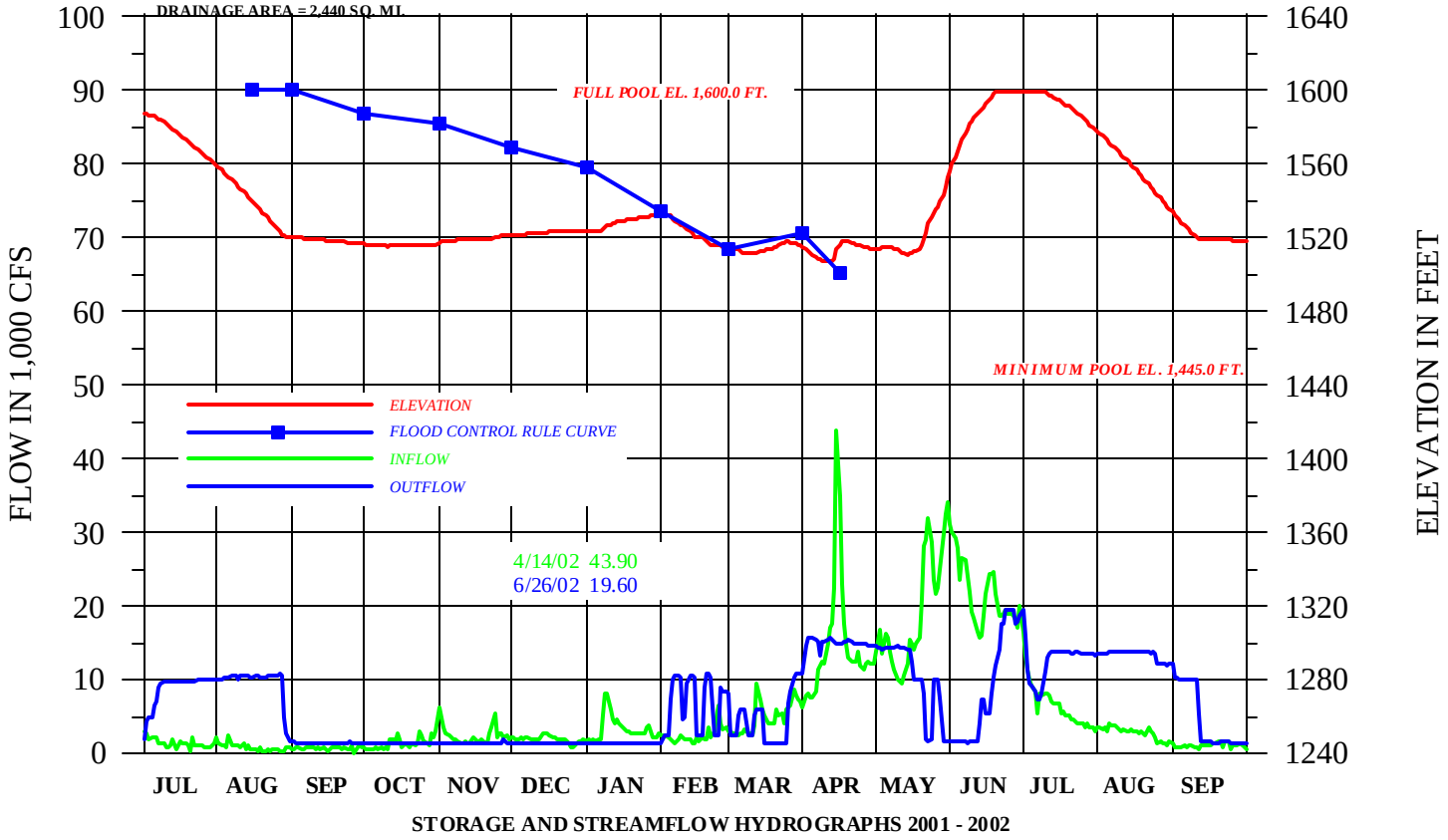
COLUMBIA RIVER AT GRAND COULEE PROJECT, WASHINGTON

Chart 14



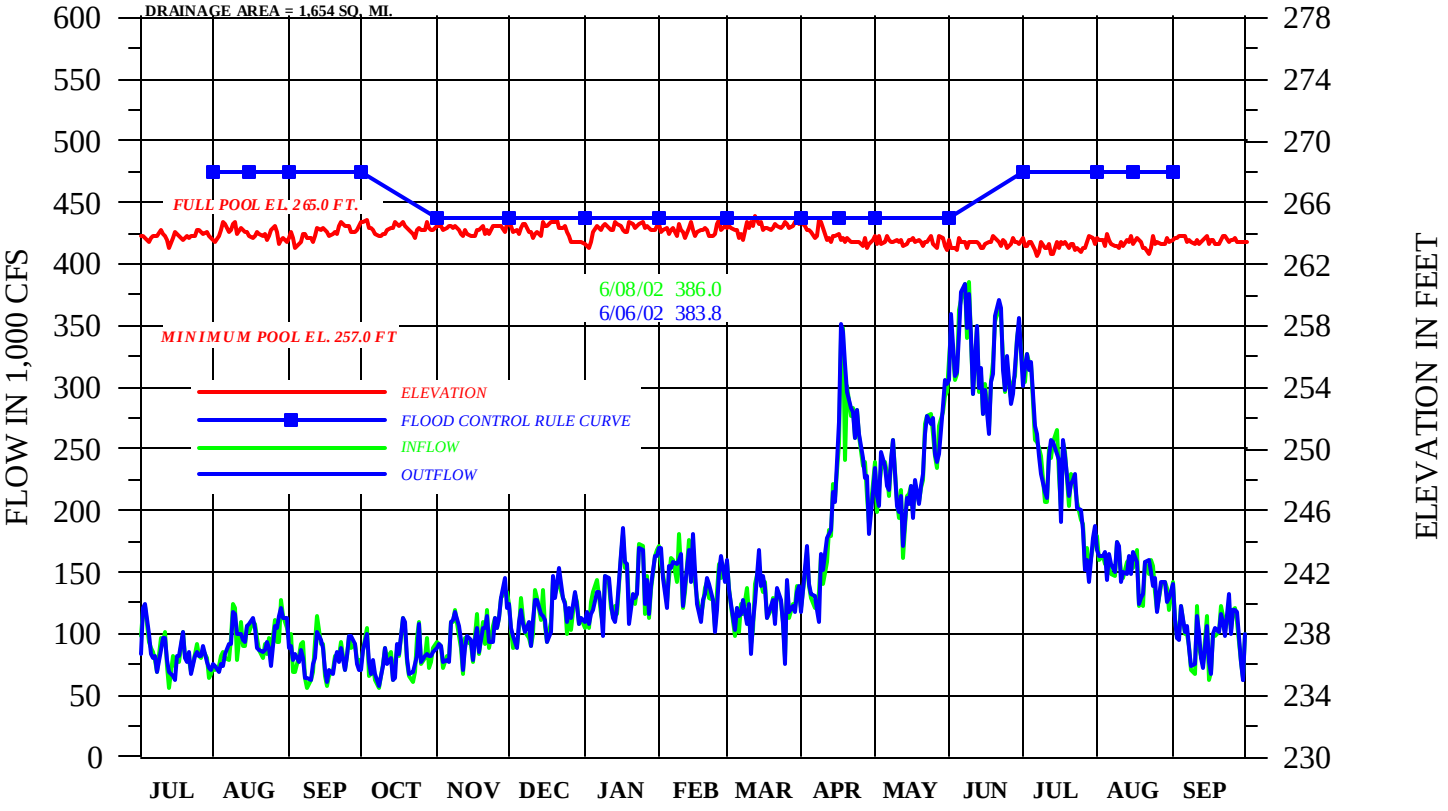
SNAKE RIVER AT BROWNLEE PROJECT, IDAHO - OREGON

Chart 15



NORTH FORK CLEARWATER RIVER AT DWORSHAK PROJECT, IDAHO

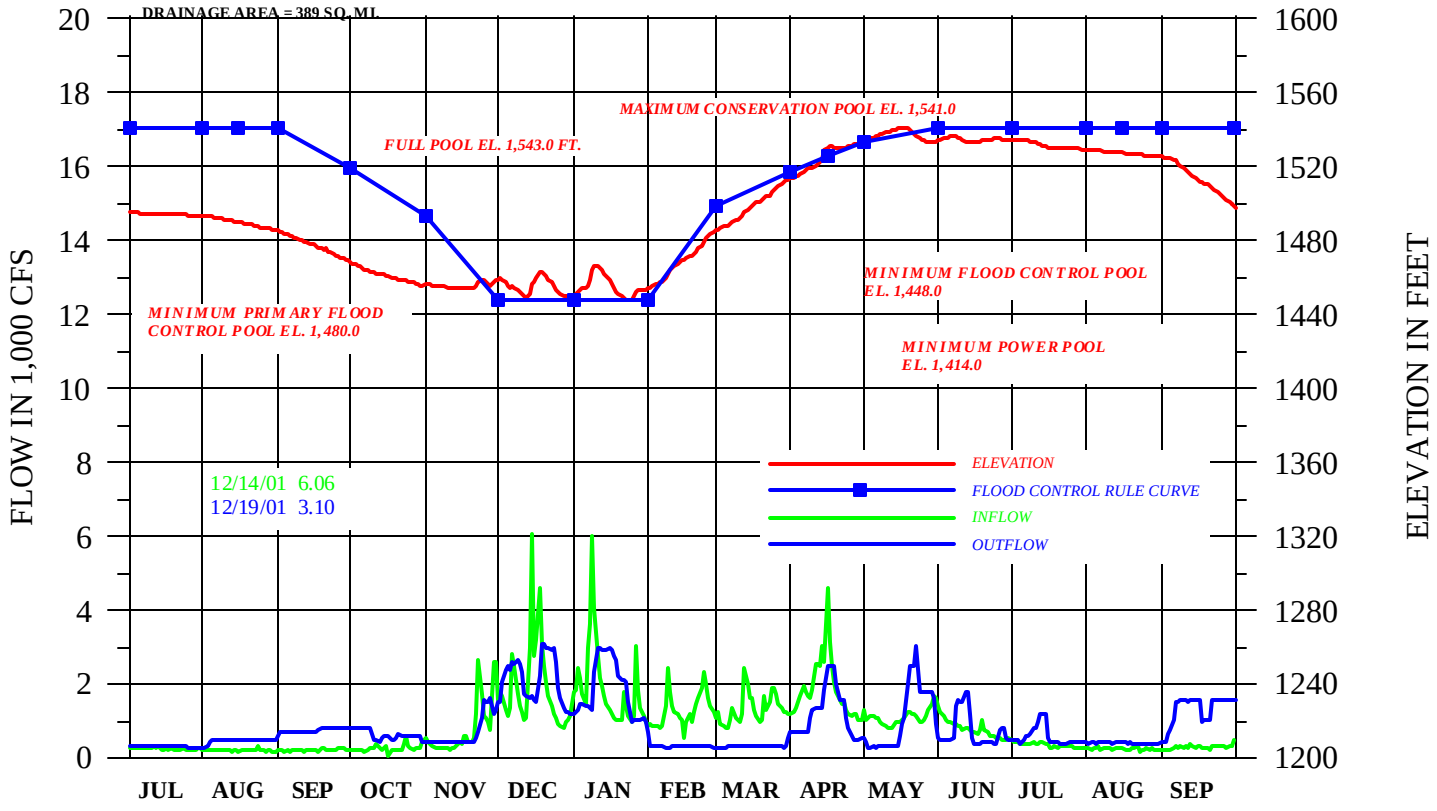
Chart 16



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

COLUMBIA RIVER AT JOHN DAY PROJECT, OREGON - WASHINGTON

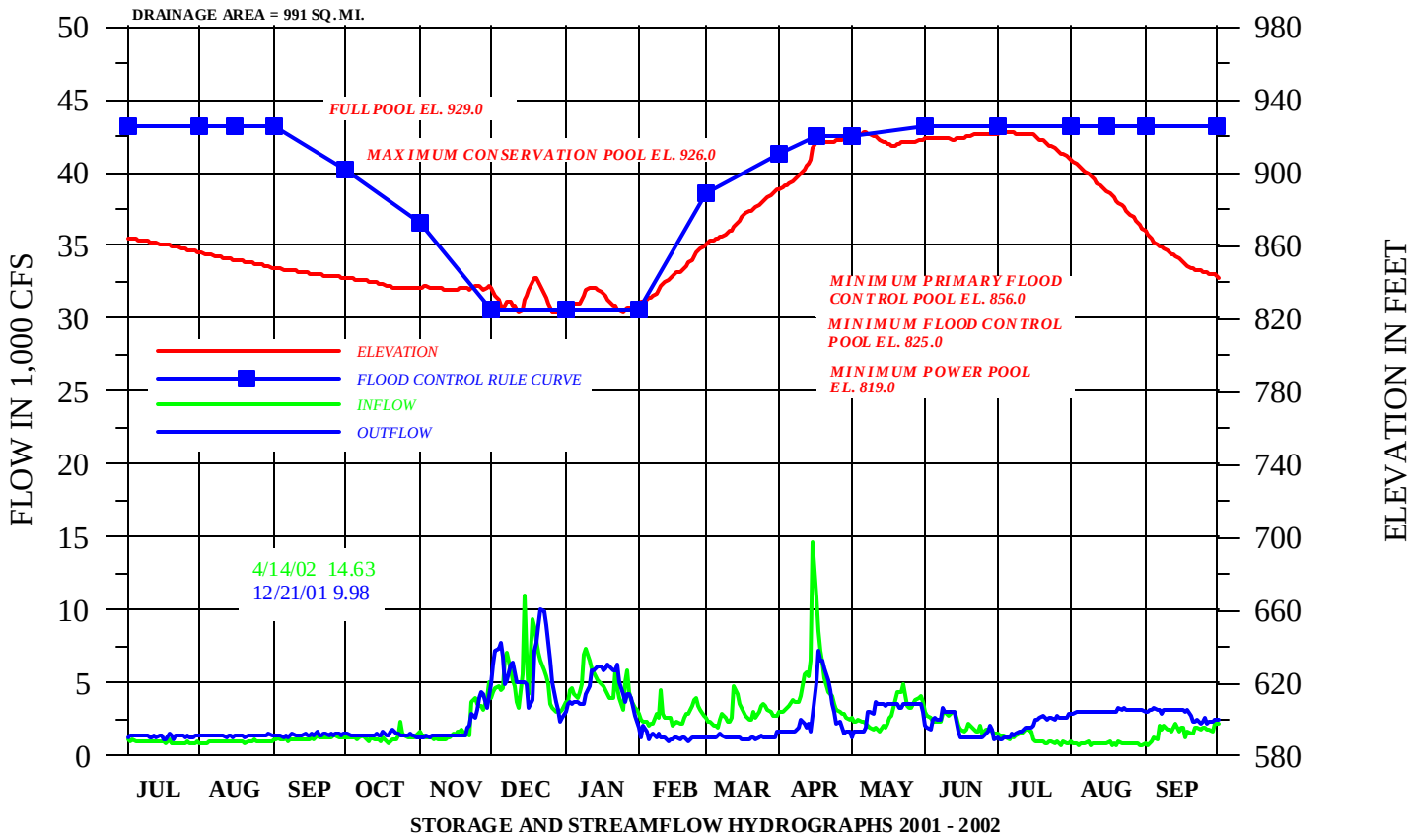
Chart 17



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

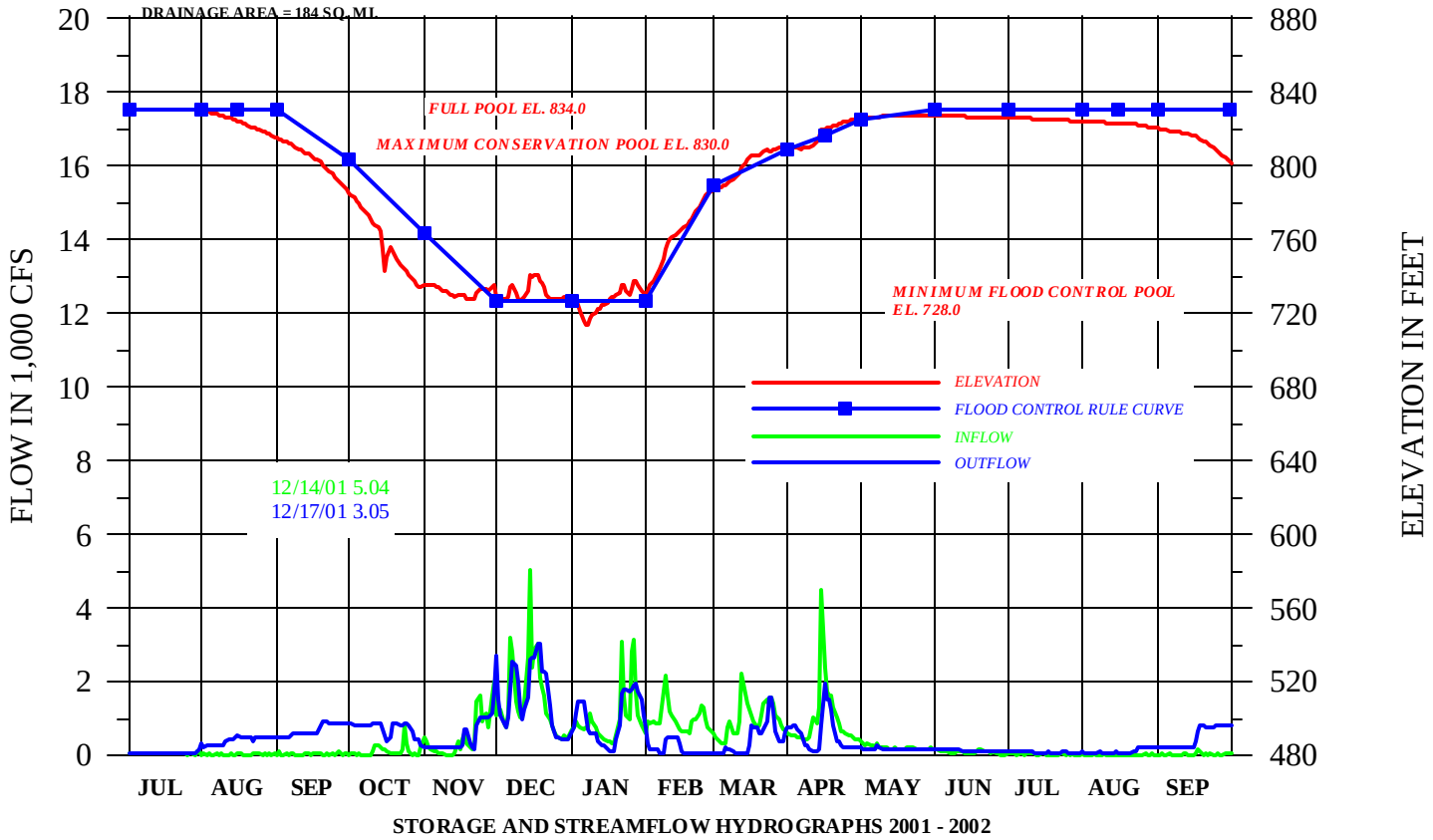
MIDDLE FORK WILLAMETTE RIVER AT HILLS CREEK PROJECT, OREGON

Chart 18



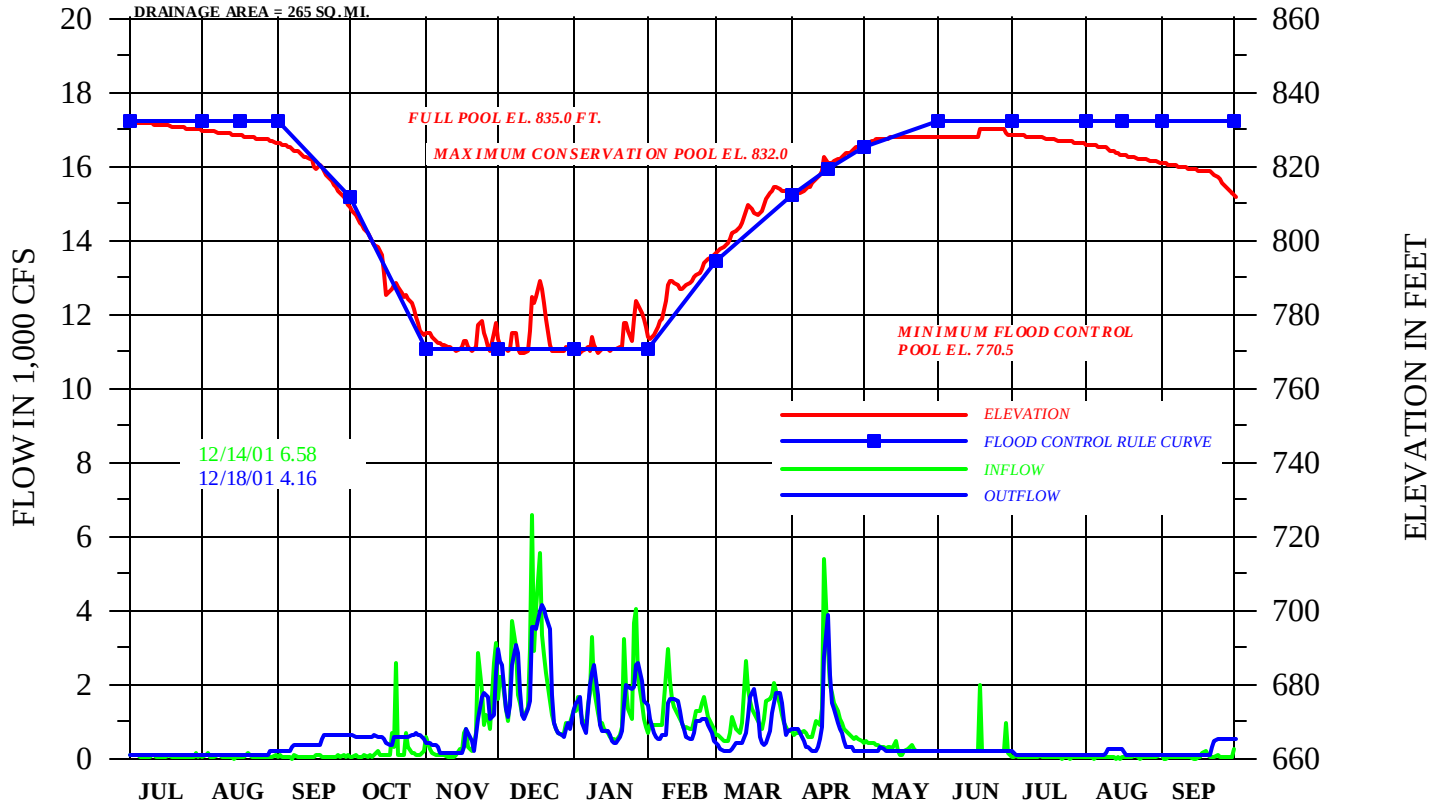
MIDDLE FORK WILLAMETTE RIVER AT LOOKOUT POINT PROJECT, OREGON

Chart 19



FALL CREEK AT FALL CREEK PROJECT, OREGON

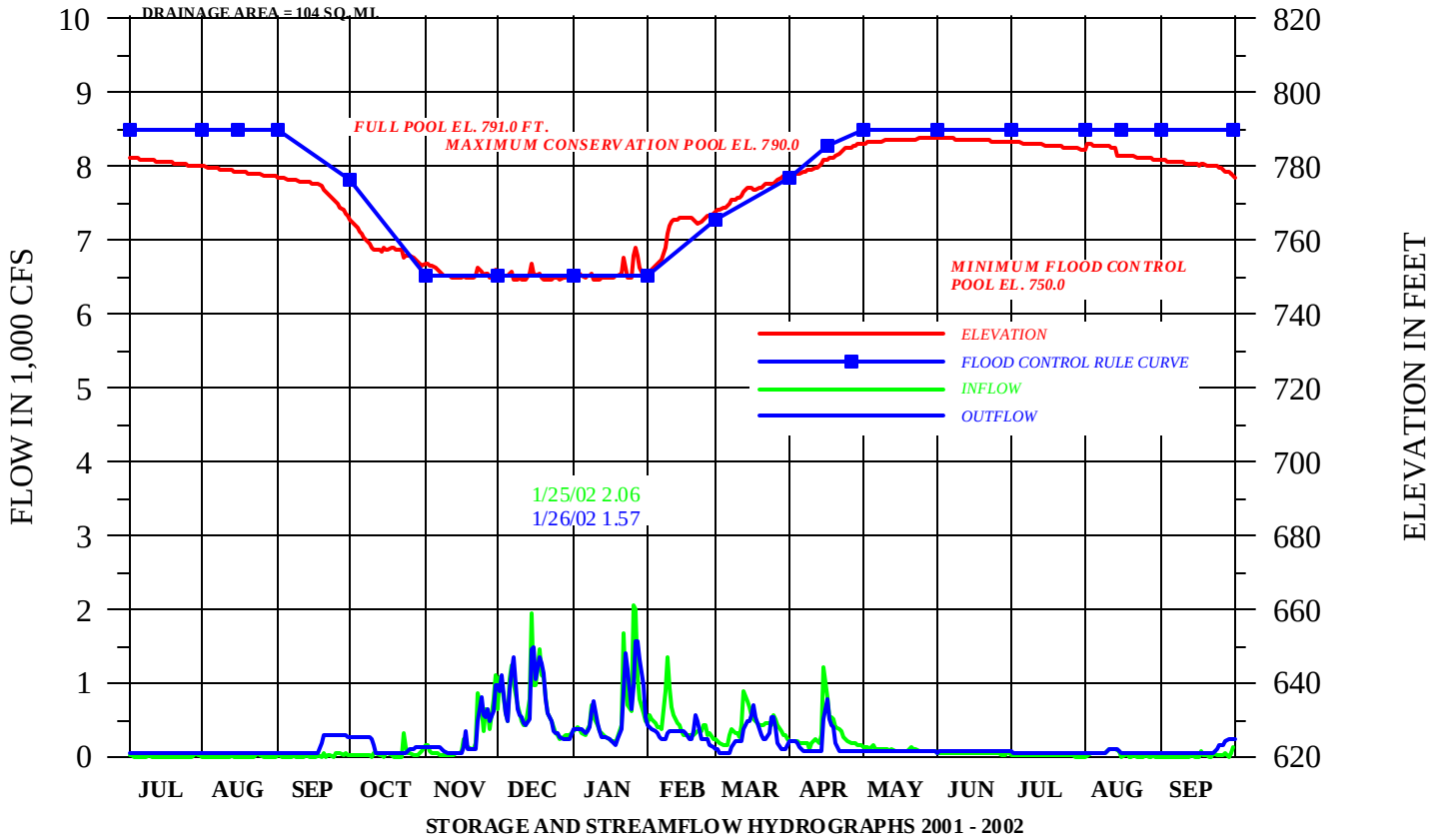
Chart 20



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

ROW RIVER AT DORENA PROJECT, OREGON

Chart 21



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

COAST FORK WILLAMETTE RIVER AT COTTAGE GROVE PROJECT, OREGON

Chart 22

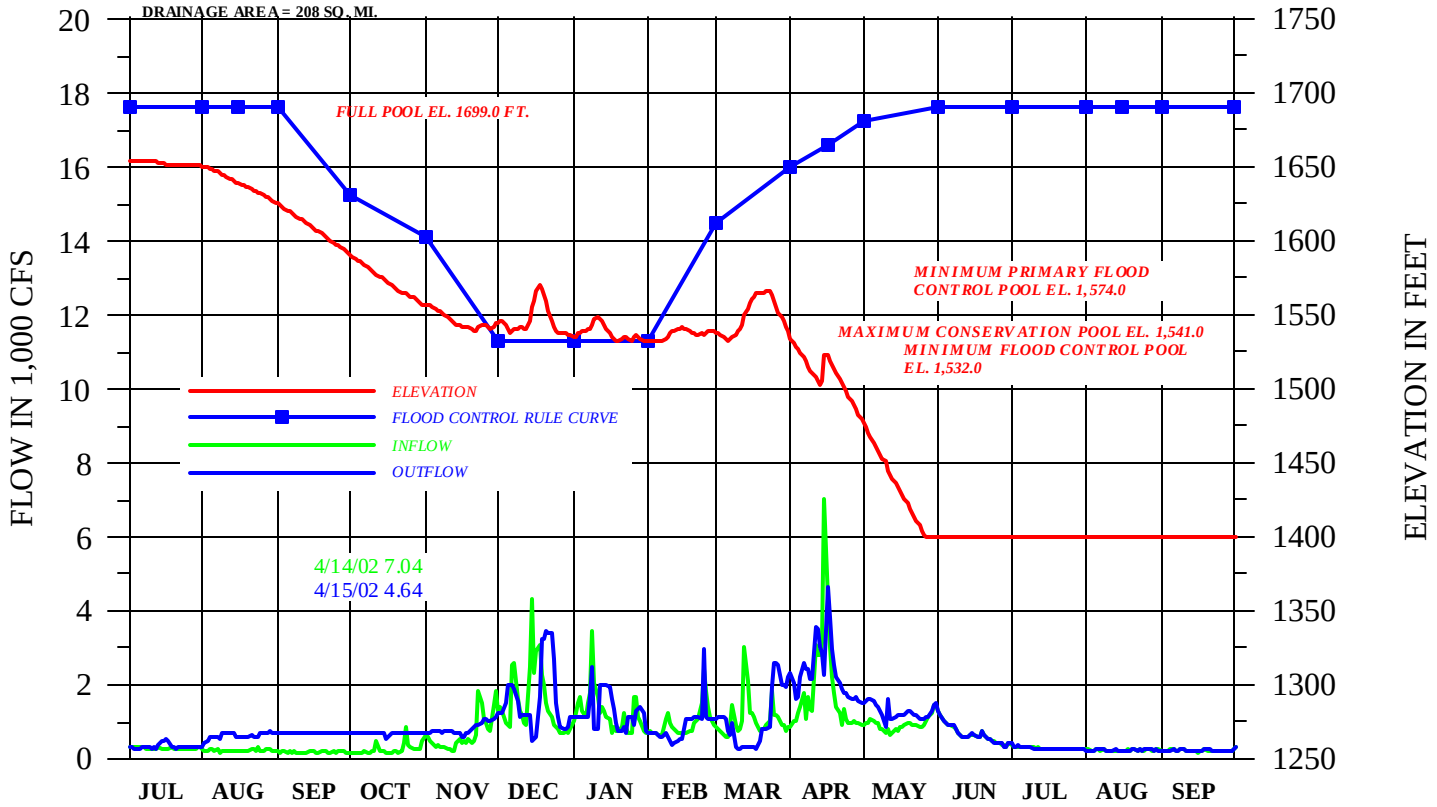
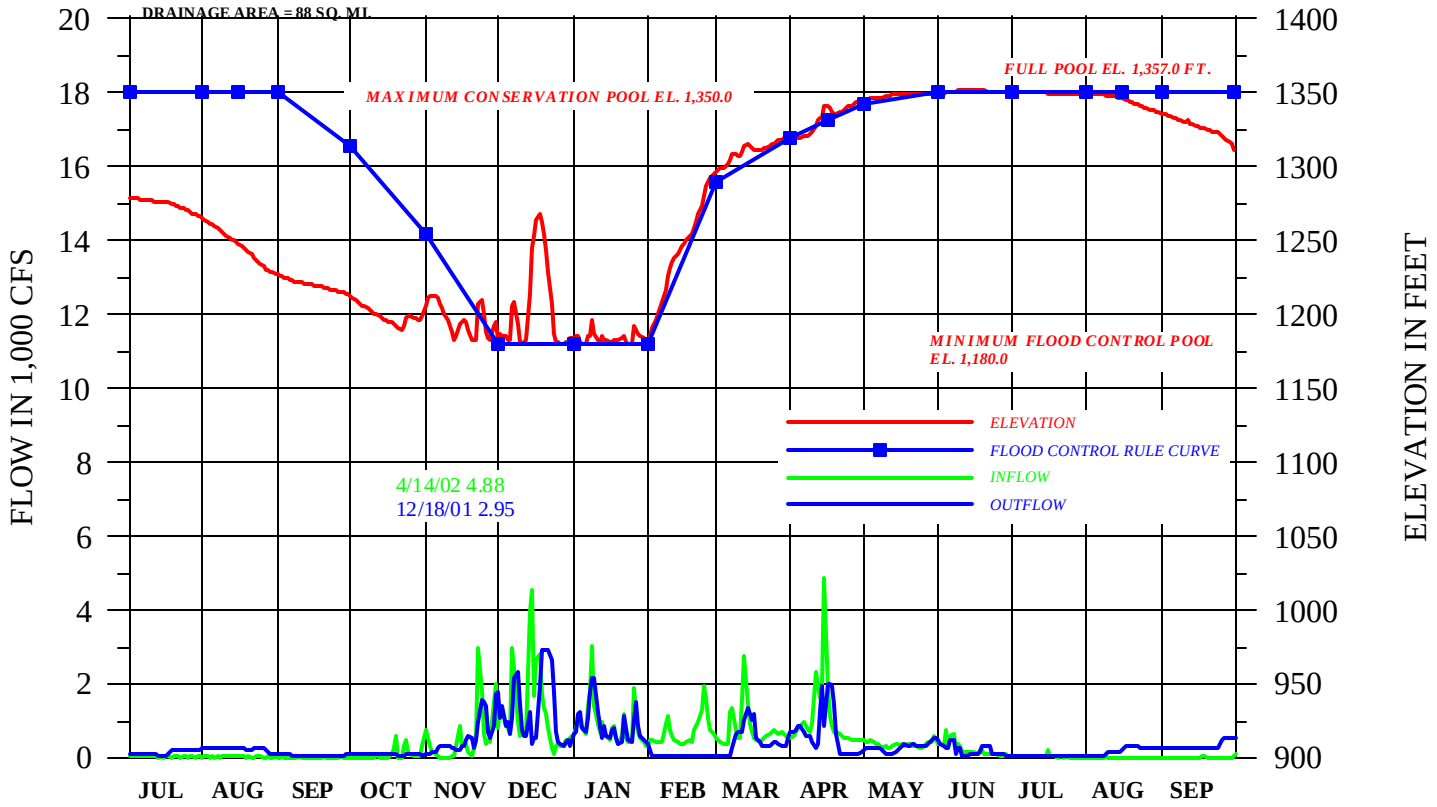


Chart 23

STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

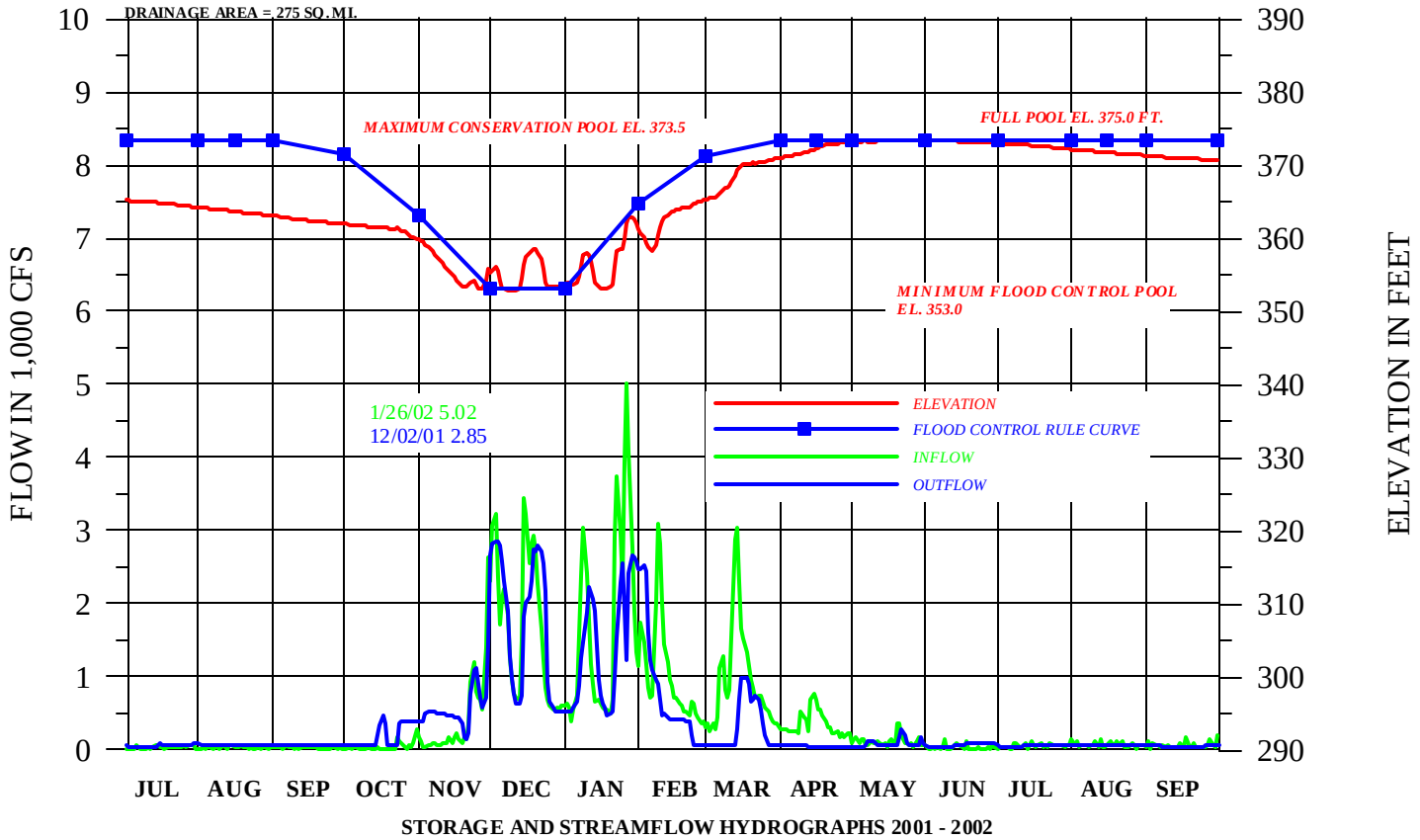
SOUTH FORK McKENZIE RIVER AT COUGAR PROJECT, OREGON



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

BLUE RIVER AT BLUE RIVER PROJECT, OREGON

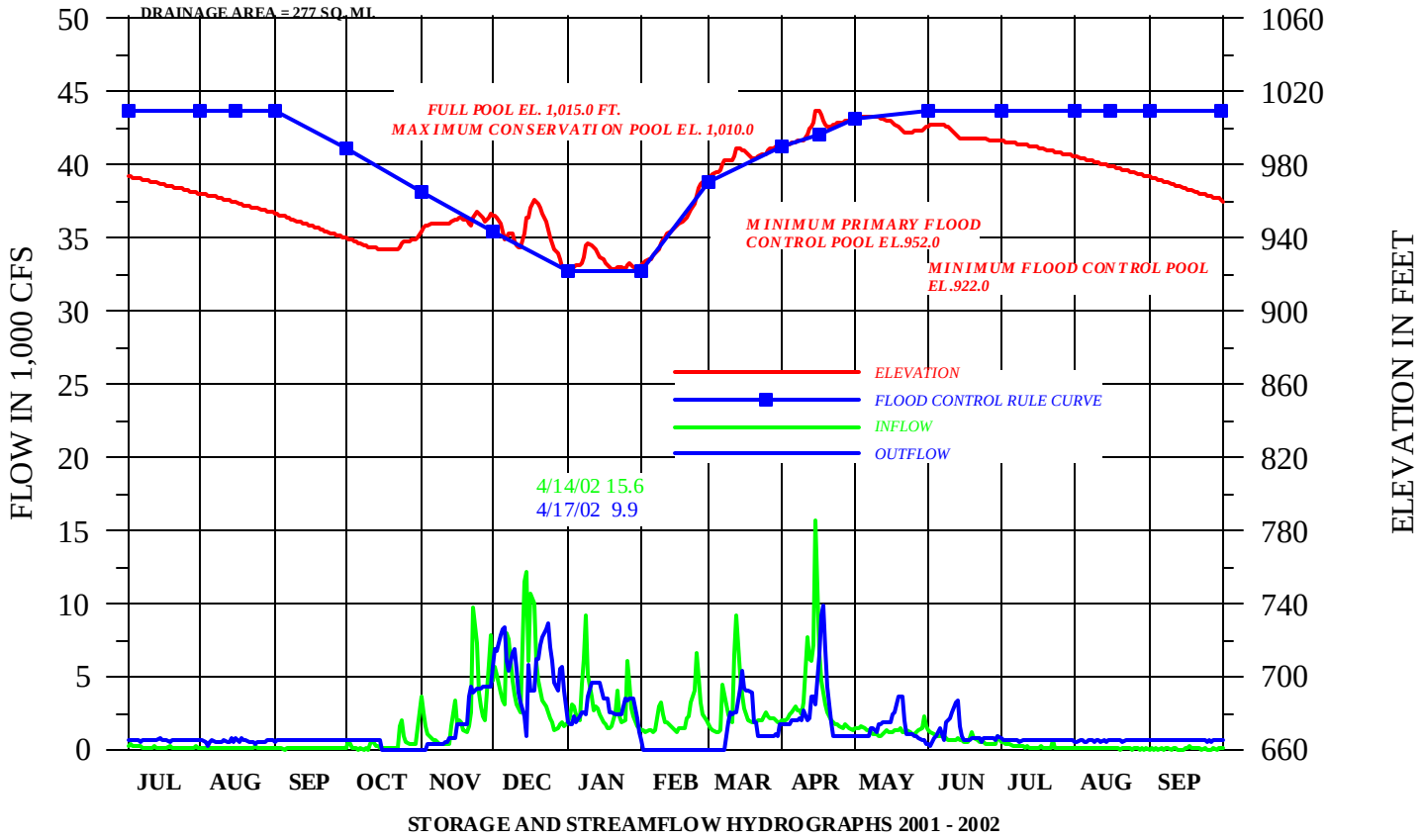
Chart 24



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

LONG TOM RIVER AT FERN RIDGE PROJECT, OREGON

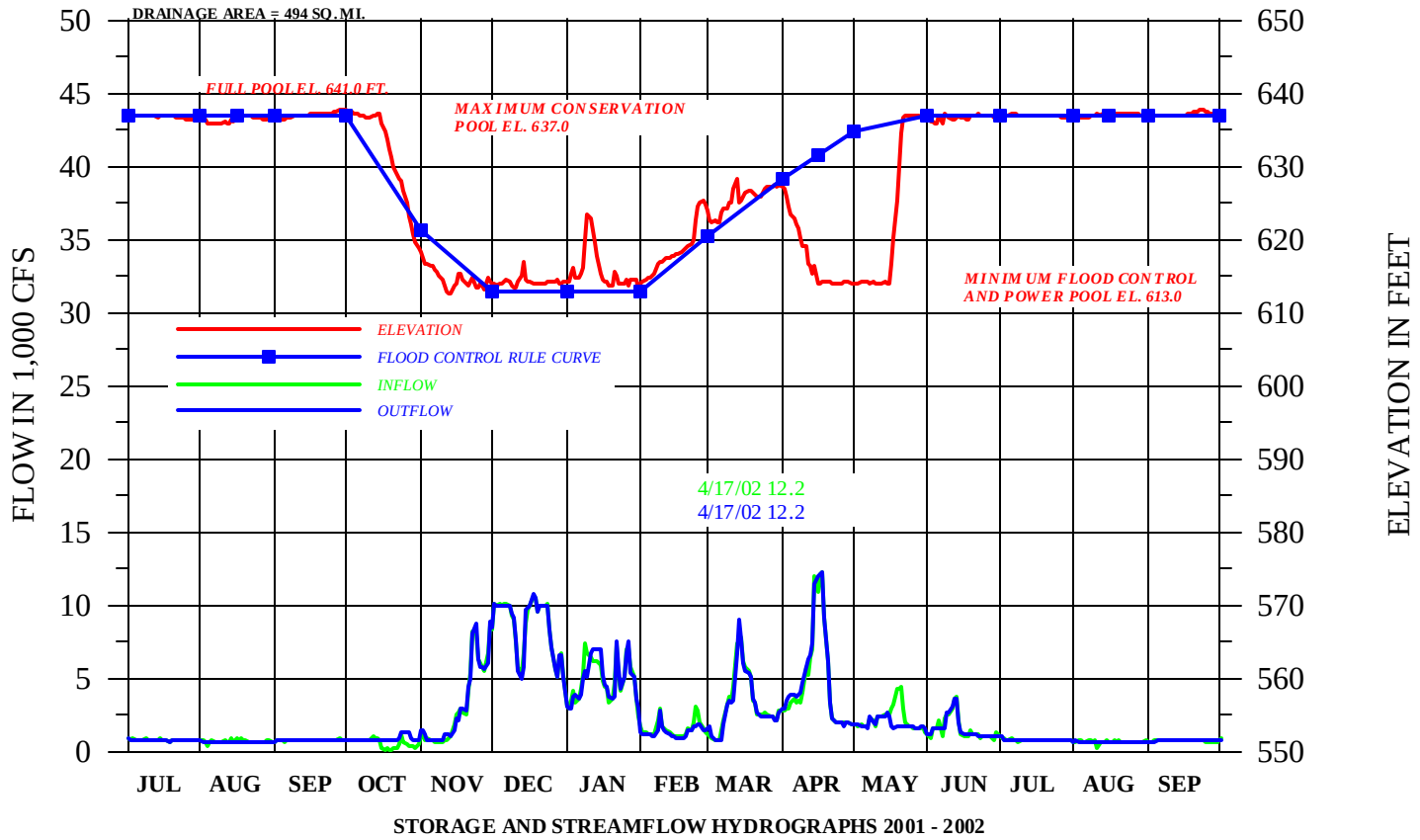
Chart 25



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

MIDDLE SANTIAM RIVER AT GREEN PETER PROJECT, OREGON

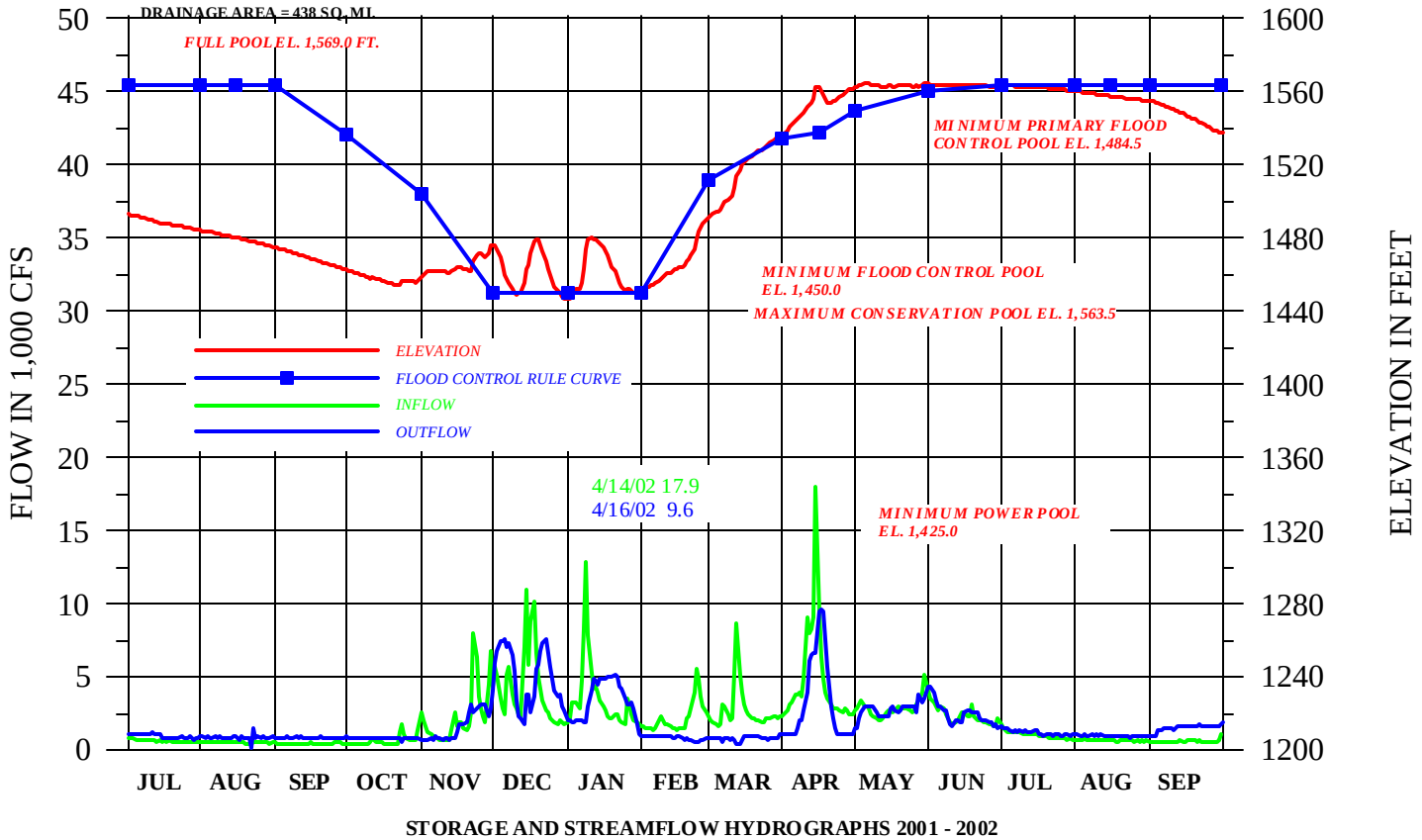
Chart 26



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

SOUTH SANTIAM RIVER AT FOSTER PROJECT, OREGON

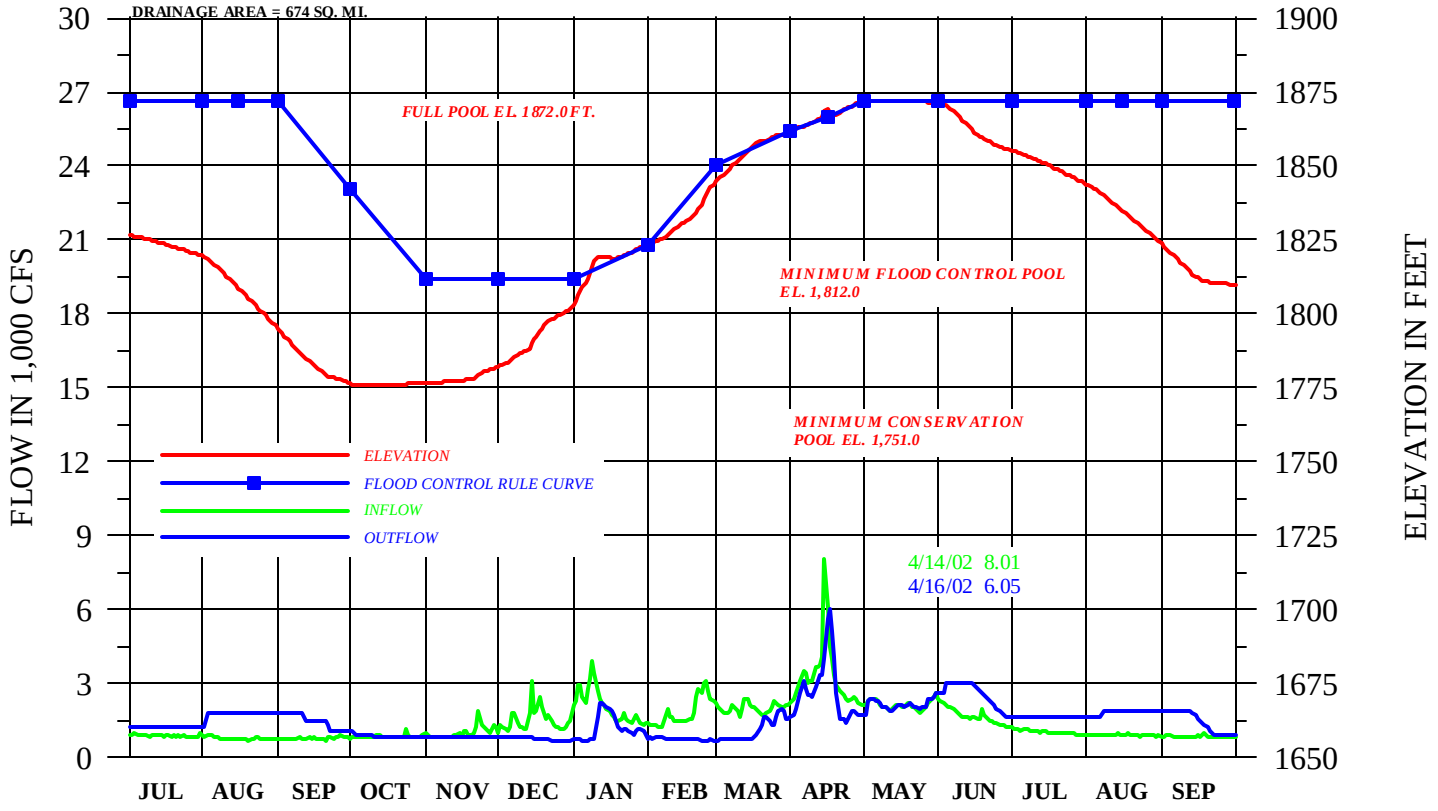
Chart 27



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

NORTH SANTIAM RIVER AT DETROIT PROJECT, OREGON

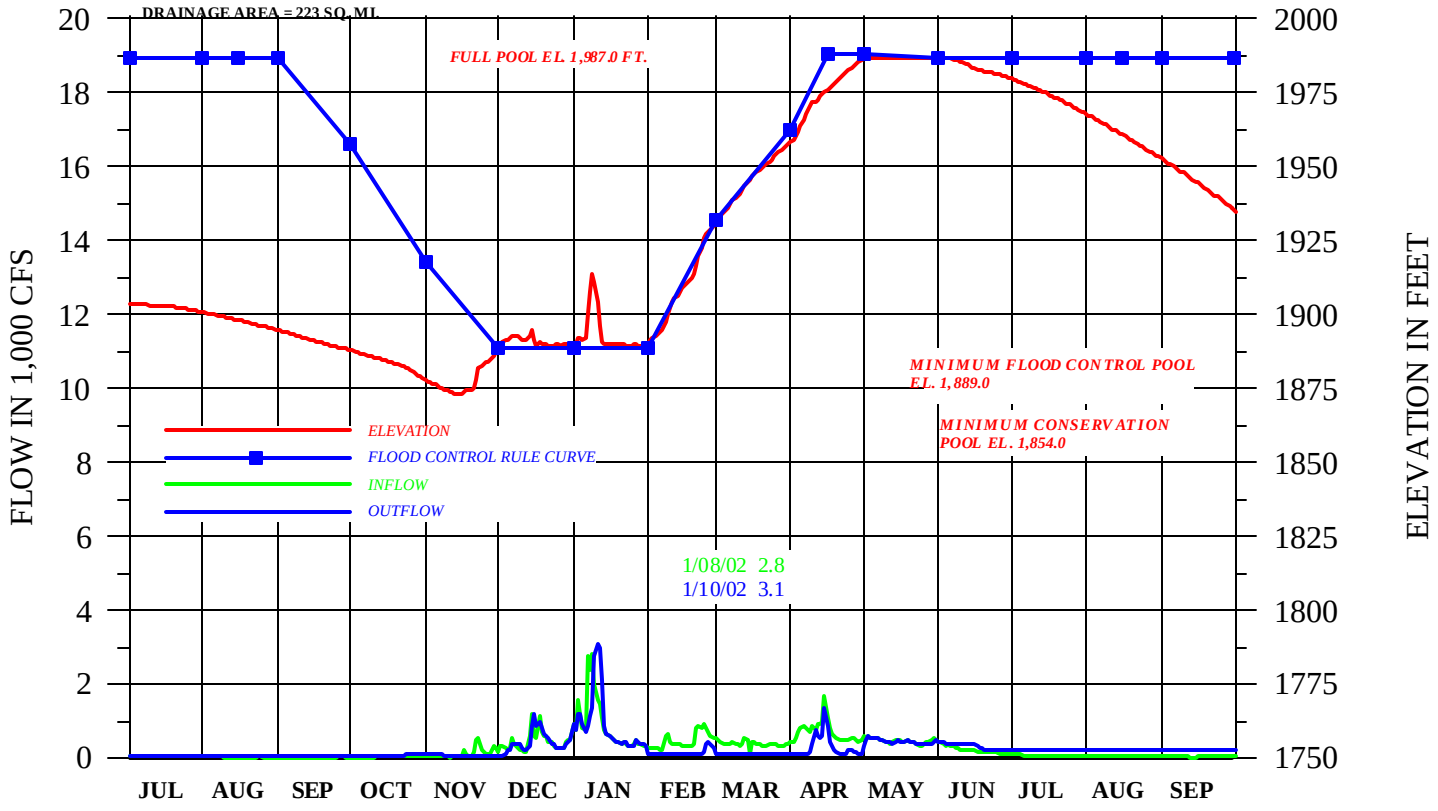
Chart 28



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

Chart 29

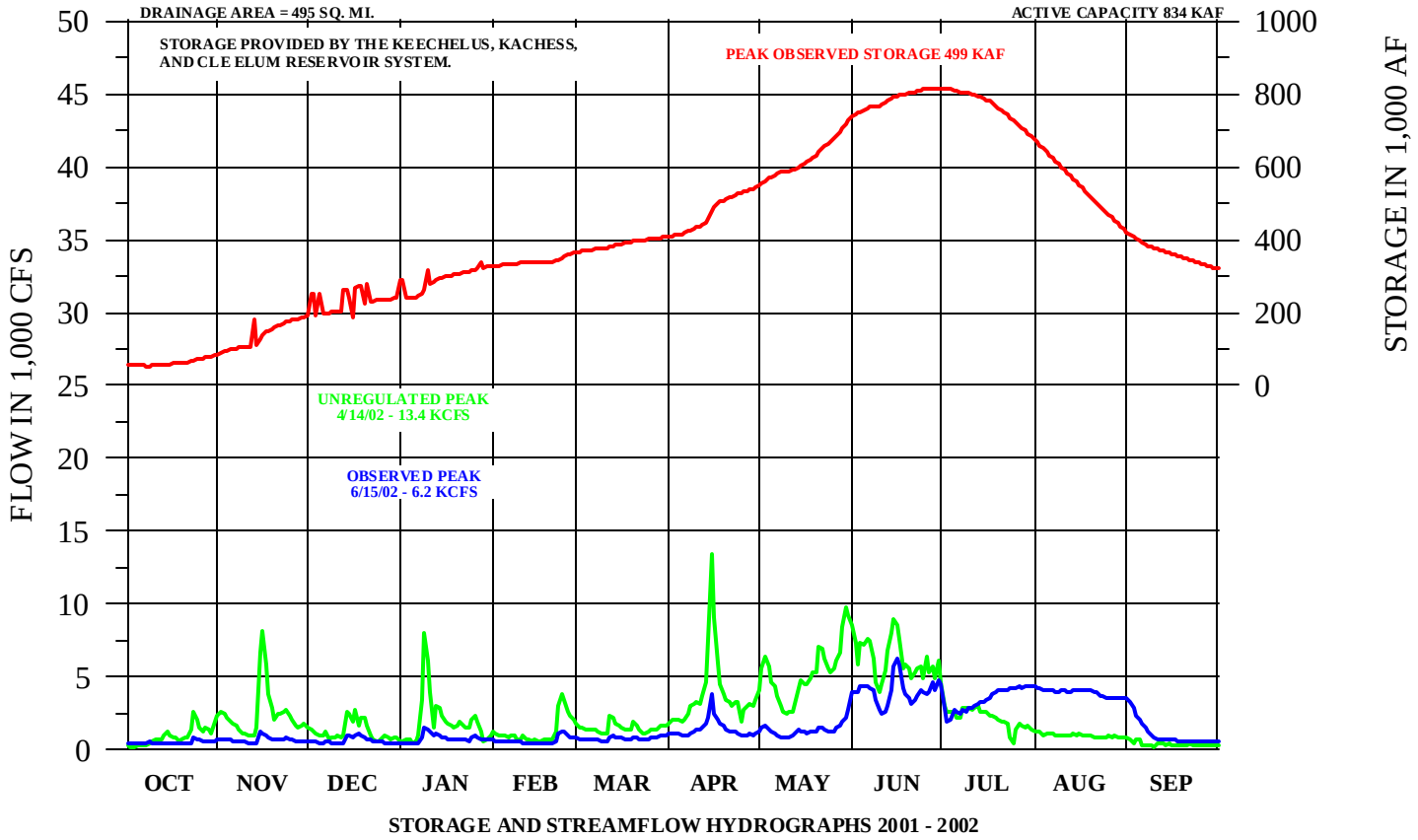
ROGUE RIVER AT LOST CREEK PROJECT, OREGON



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

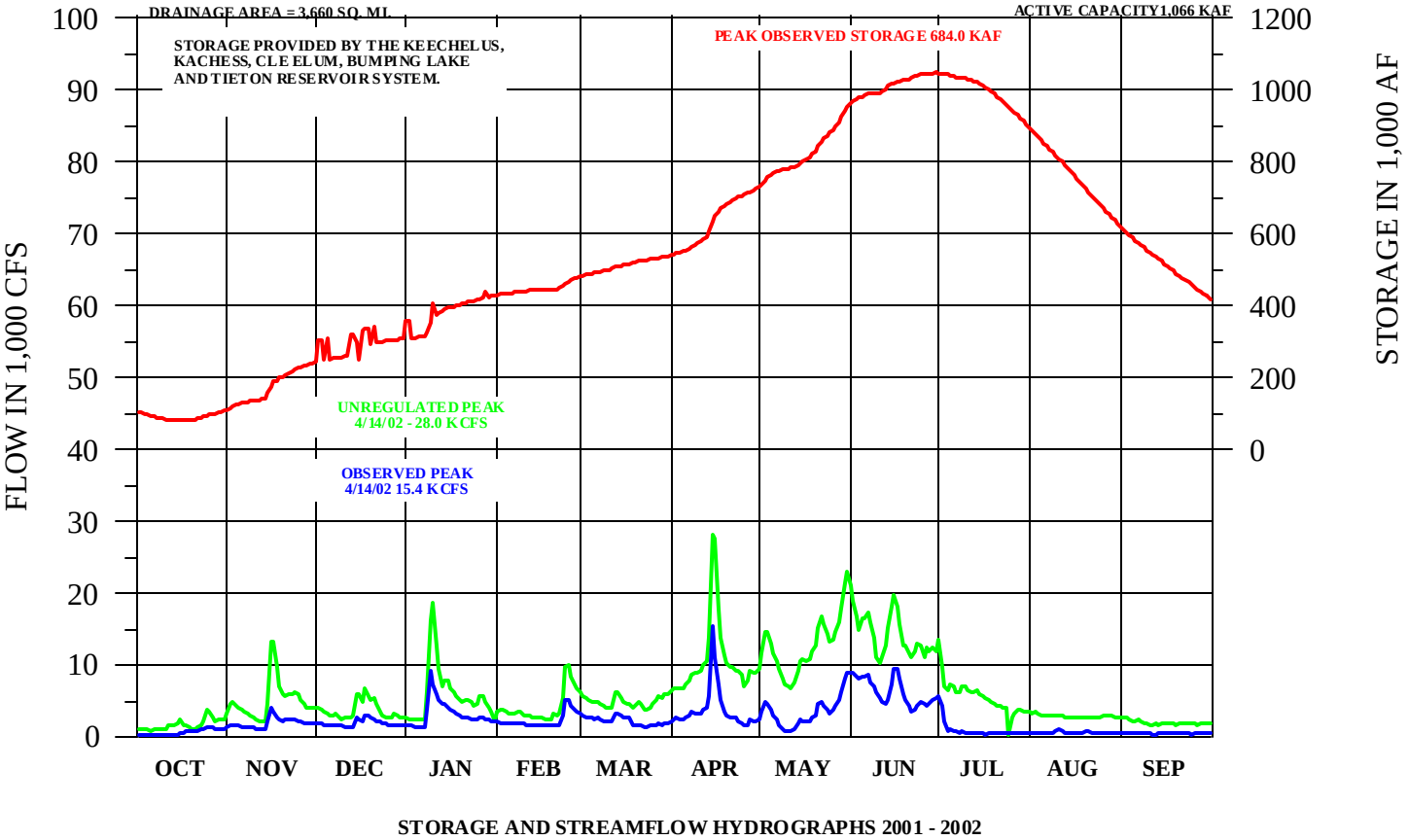
APPLEGATE RIVER AT APPLEGATE PROJECT, OREGON

Chart 30



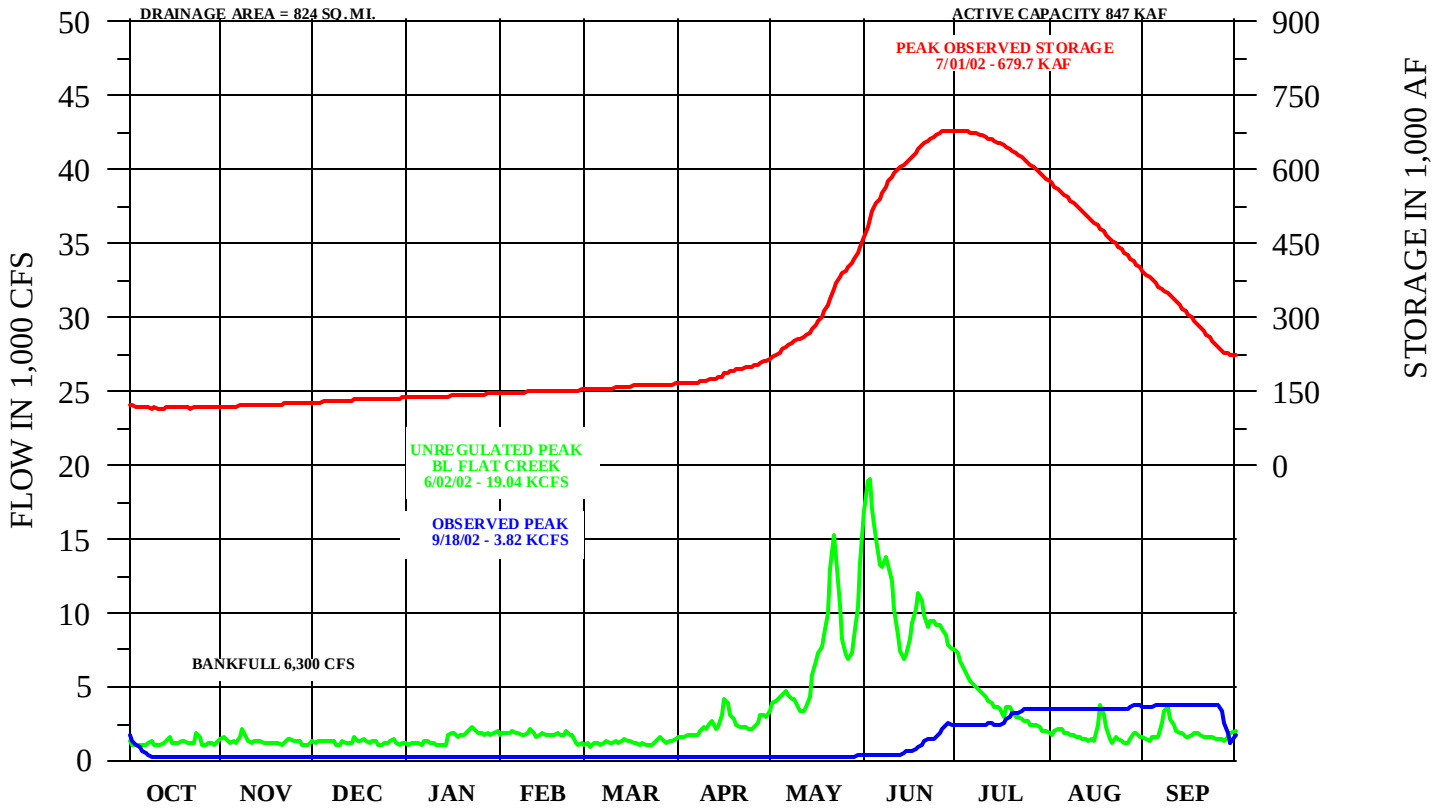
STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

Chart 31 **YAKIMA RIVER AT CLE ELUM, WASHINGTON**



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

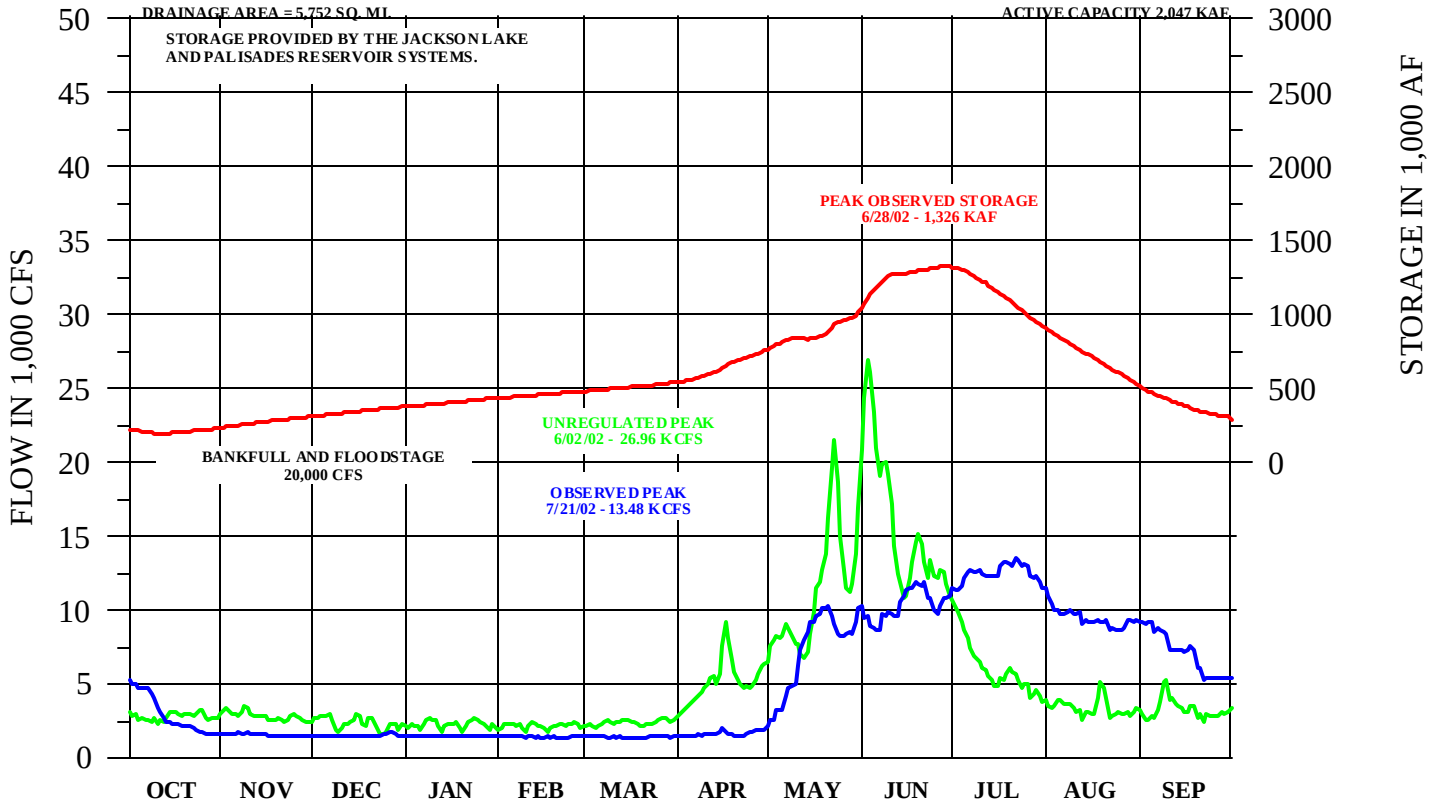
Chart 32 **YAKIMA RIVER AT PARKER, WASHINGTON**



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

SNAKE RIVER BELOW JACKSON LAKE, WYOMING

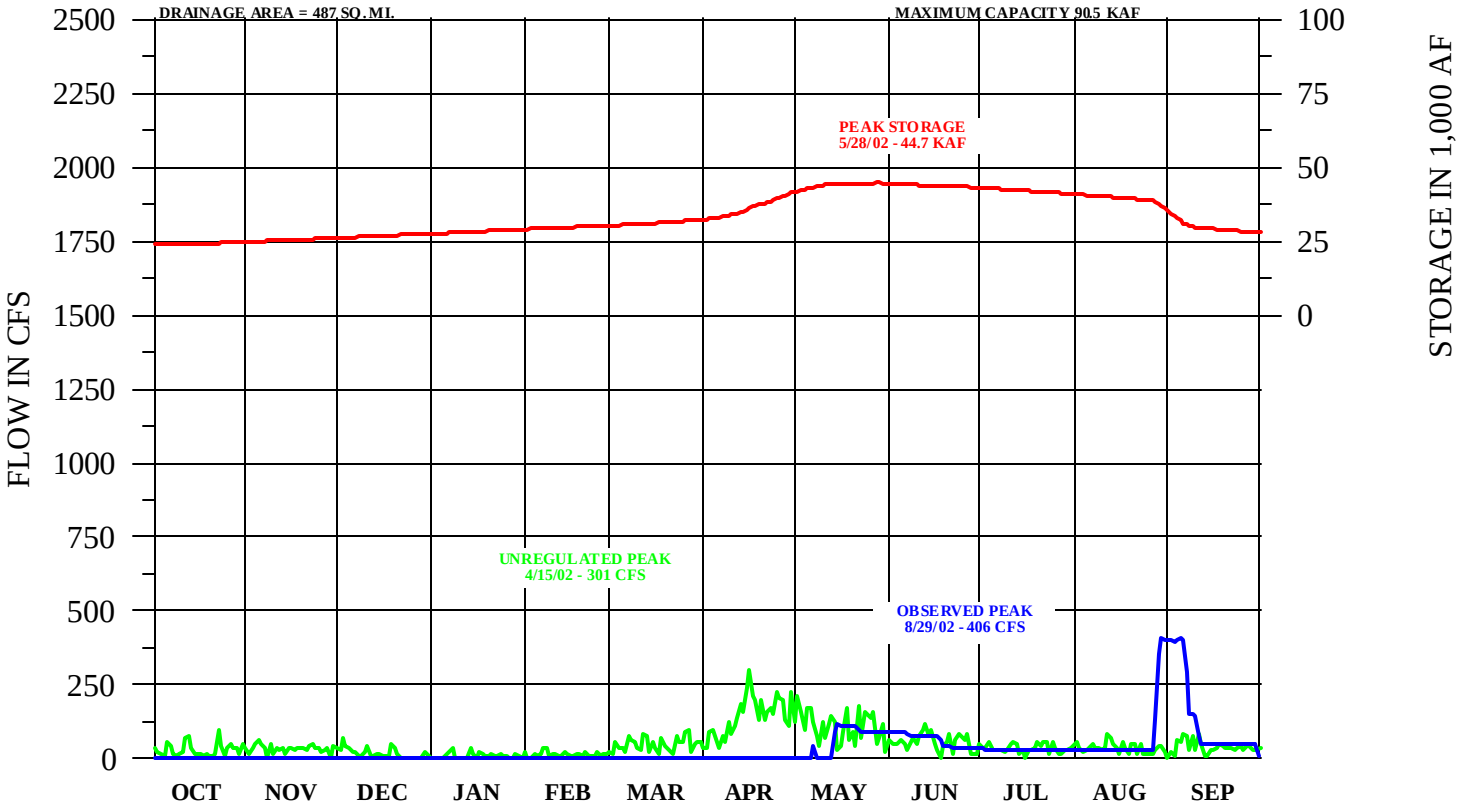
Chart 33



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

SNAKE RIVER NEAR HEISE, IDAHO

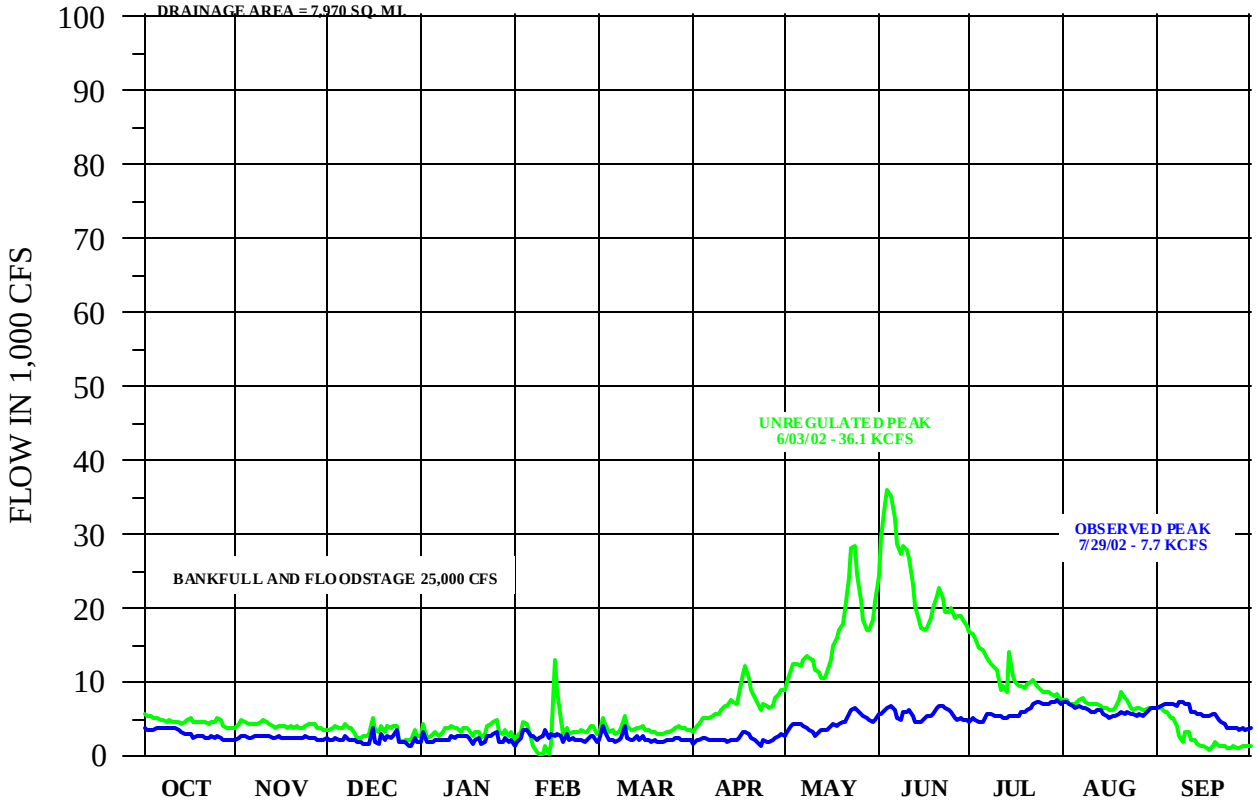
Chart 34



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

WILLOW CREEK AT RIRIE, IDAHO

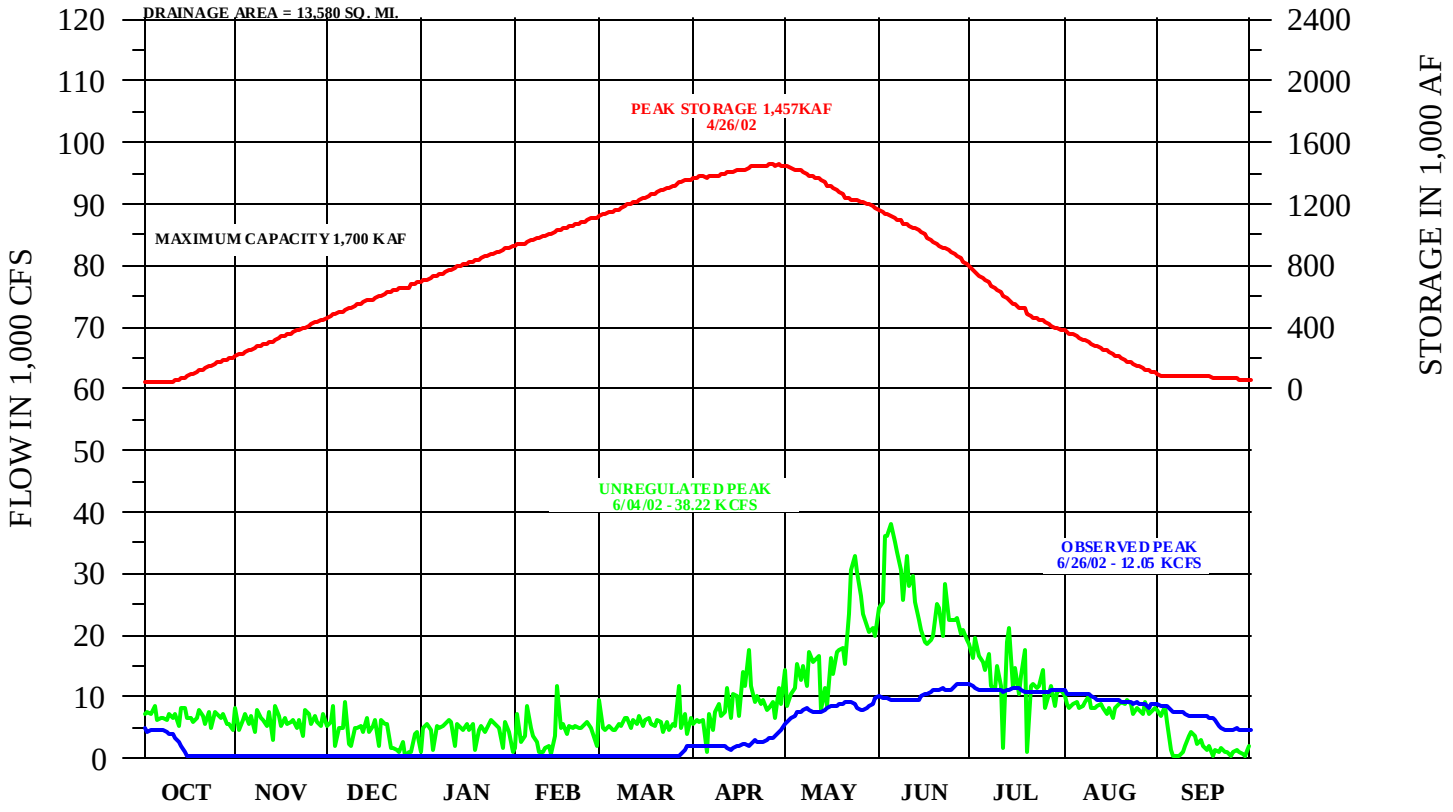
Chart 35



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

SNAKE RIVER NEAR SHELLEY, IDAHO

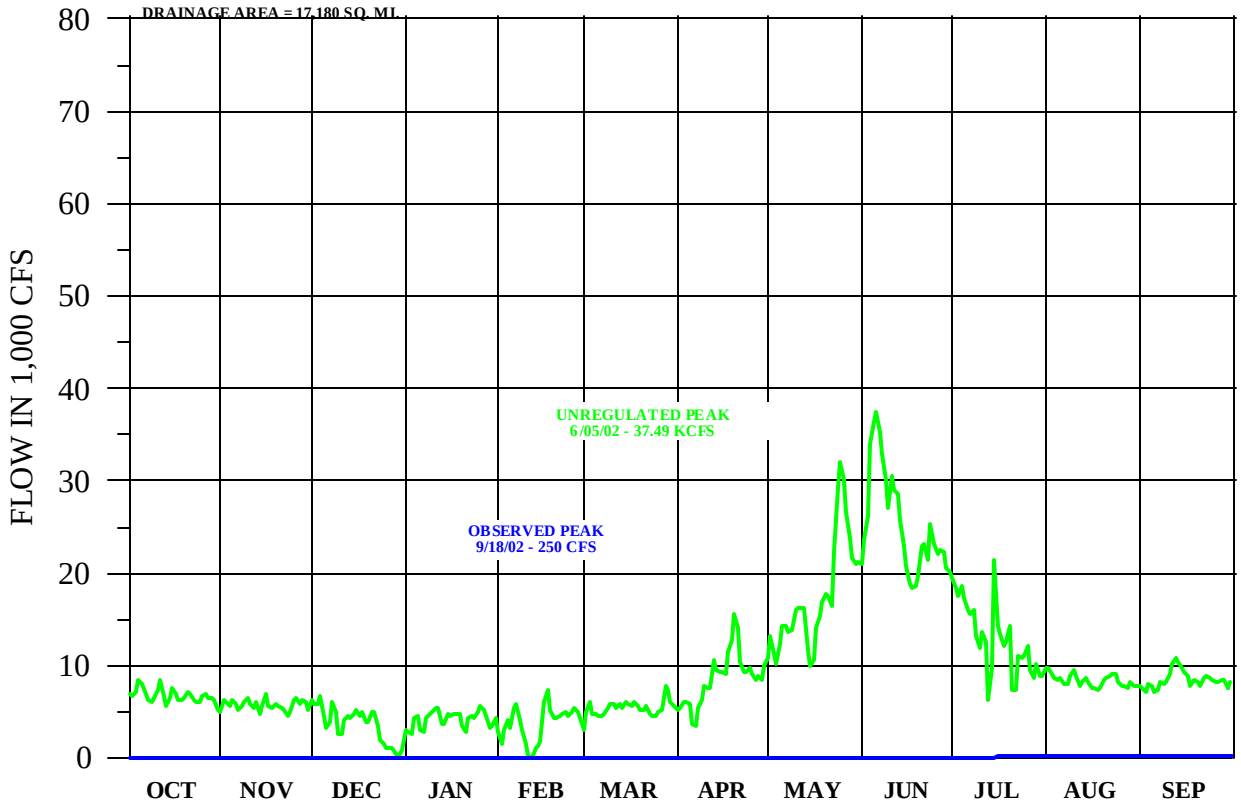
Chart 36



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

SNAKE RIVER AT AMERICAN FALLS, IDAHO

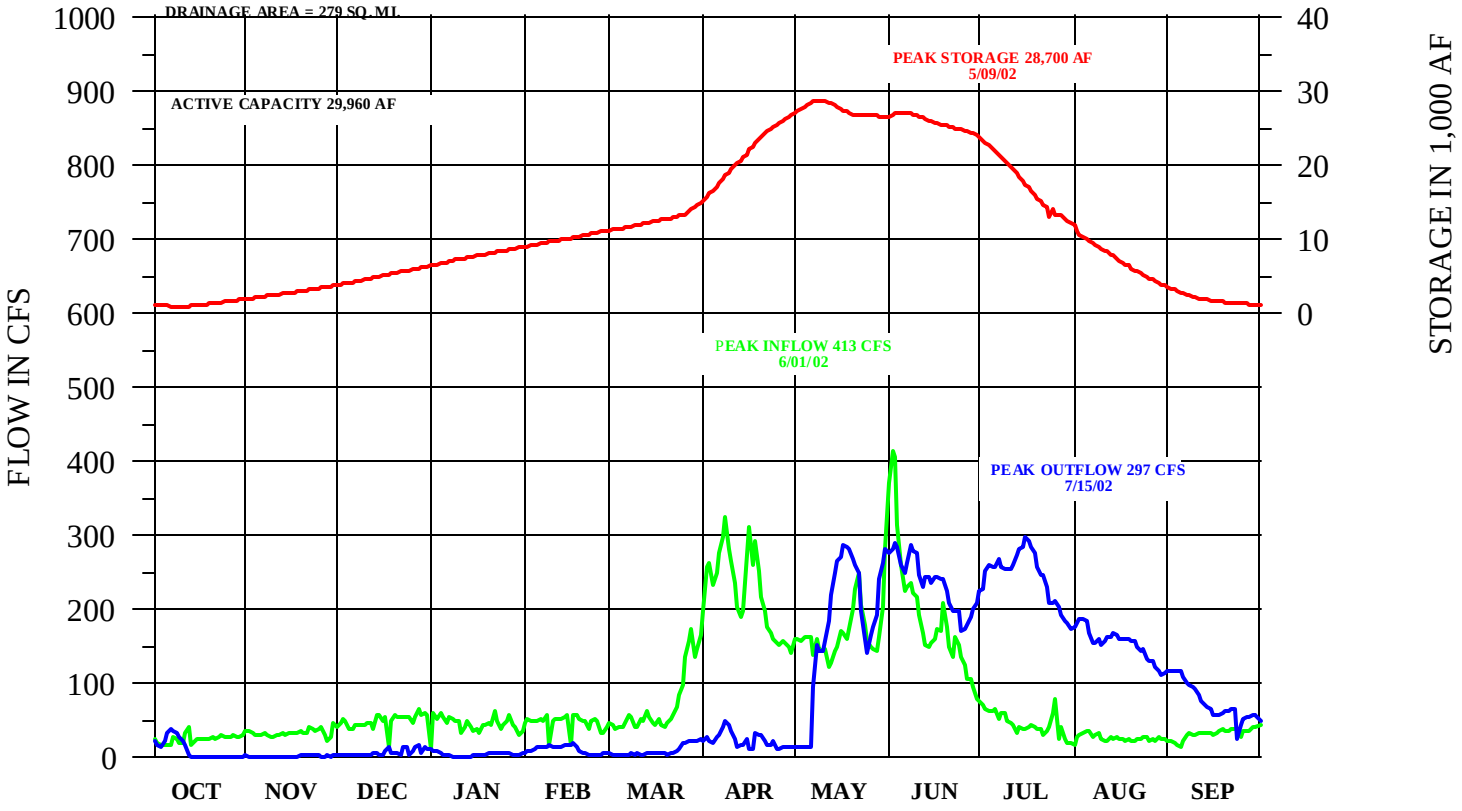
Chart 37



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

SNAKE RIVER AT MILNER, IDAHO

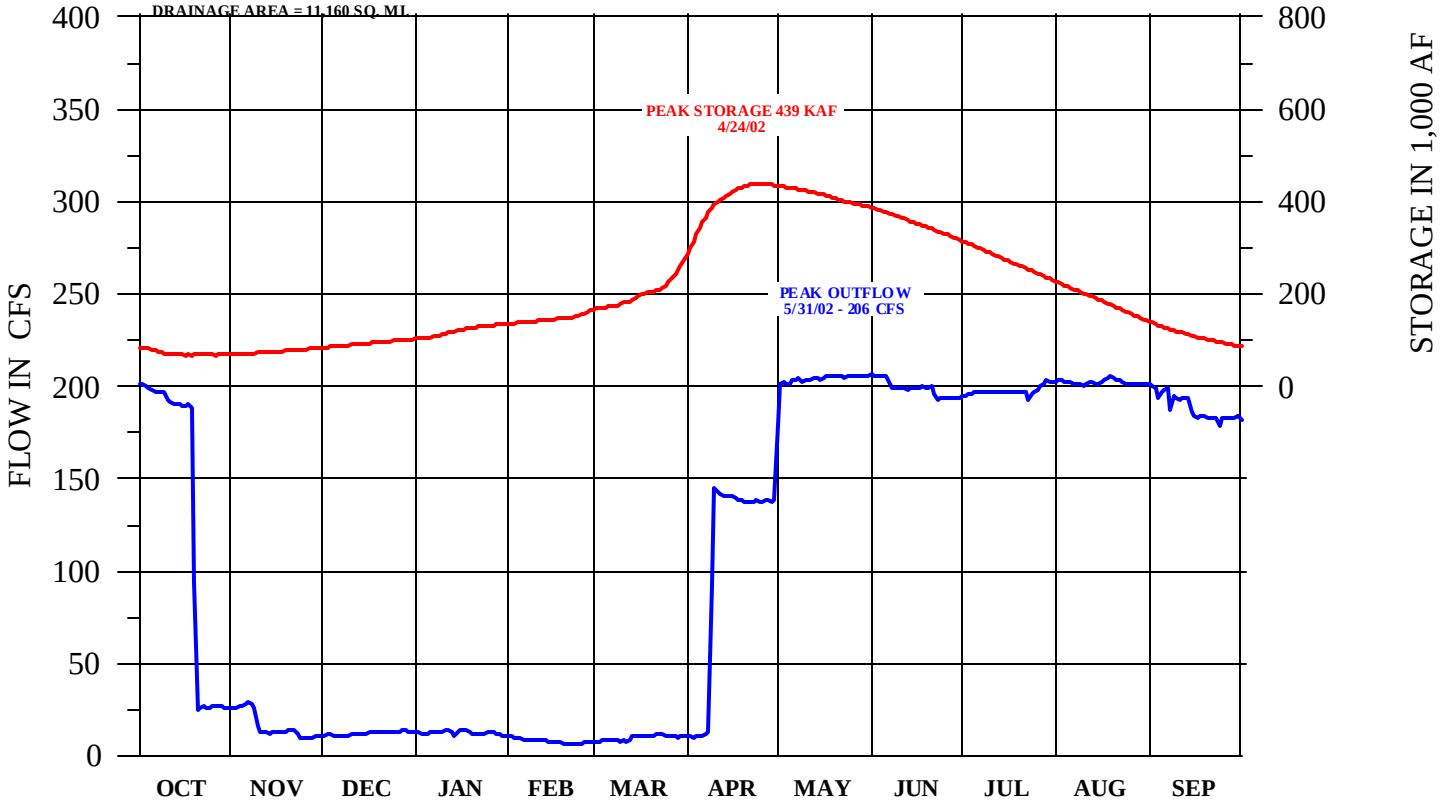
Chart 38



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

LITTLE WOOD RIVER AT LITTLE WOOD PROJECT, IDAHO

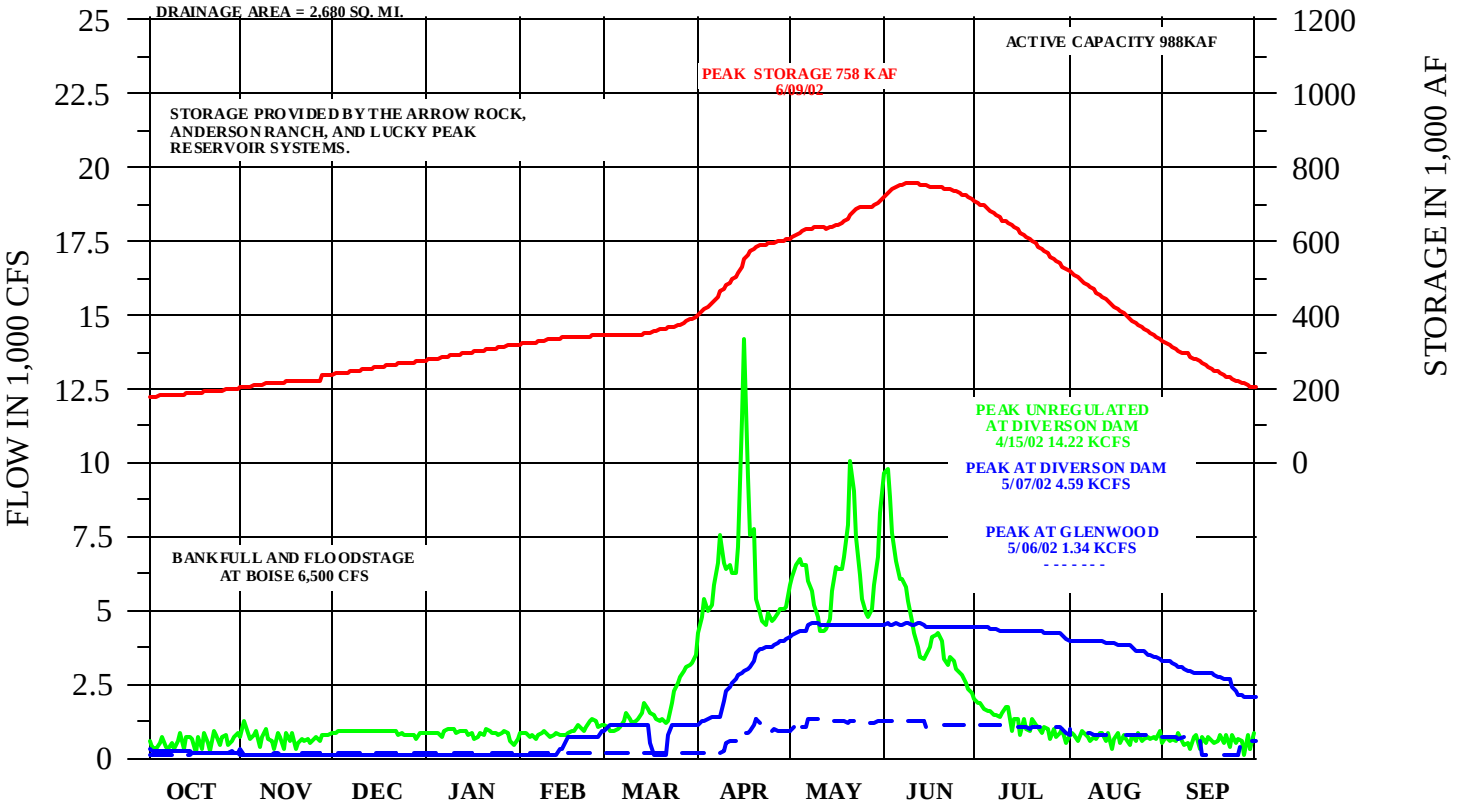
Chart 39



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

OWYHEE RIVER AT OWYHEE DAM, OREGON

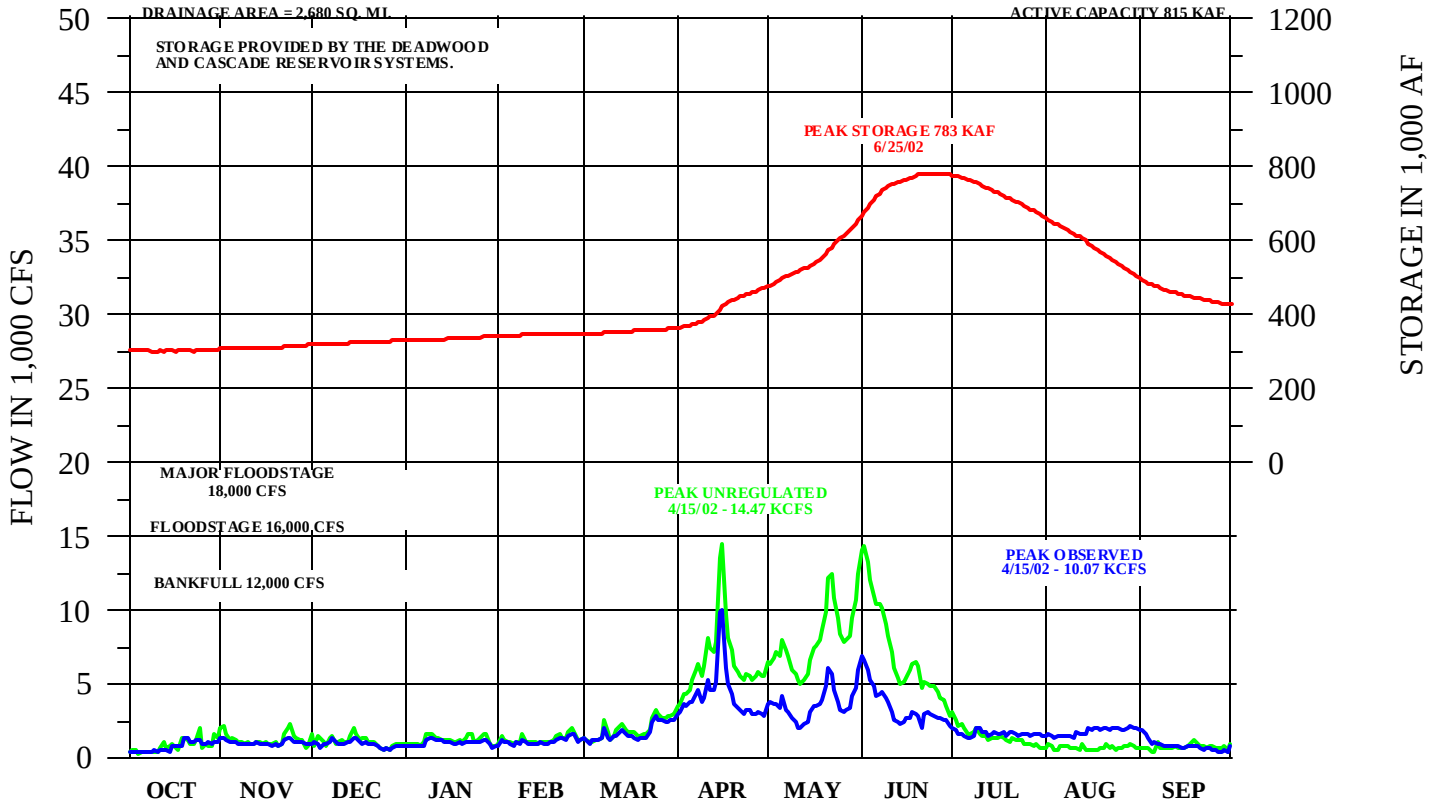
Chart 40



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

BOISE RIVER AT AND NEAR BOISE, IDAHO

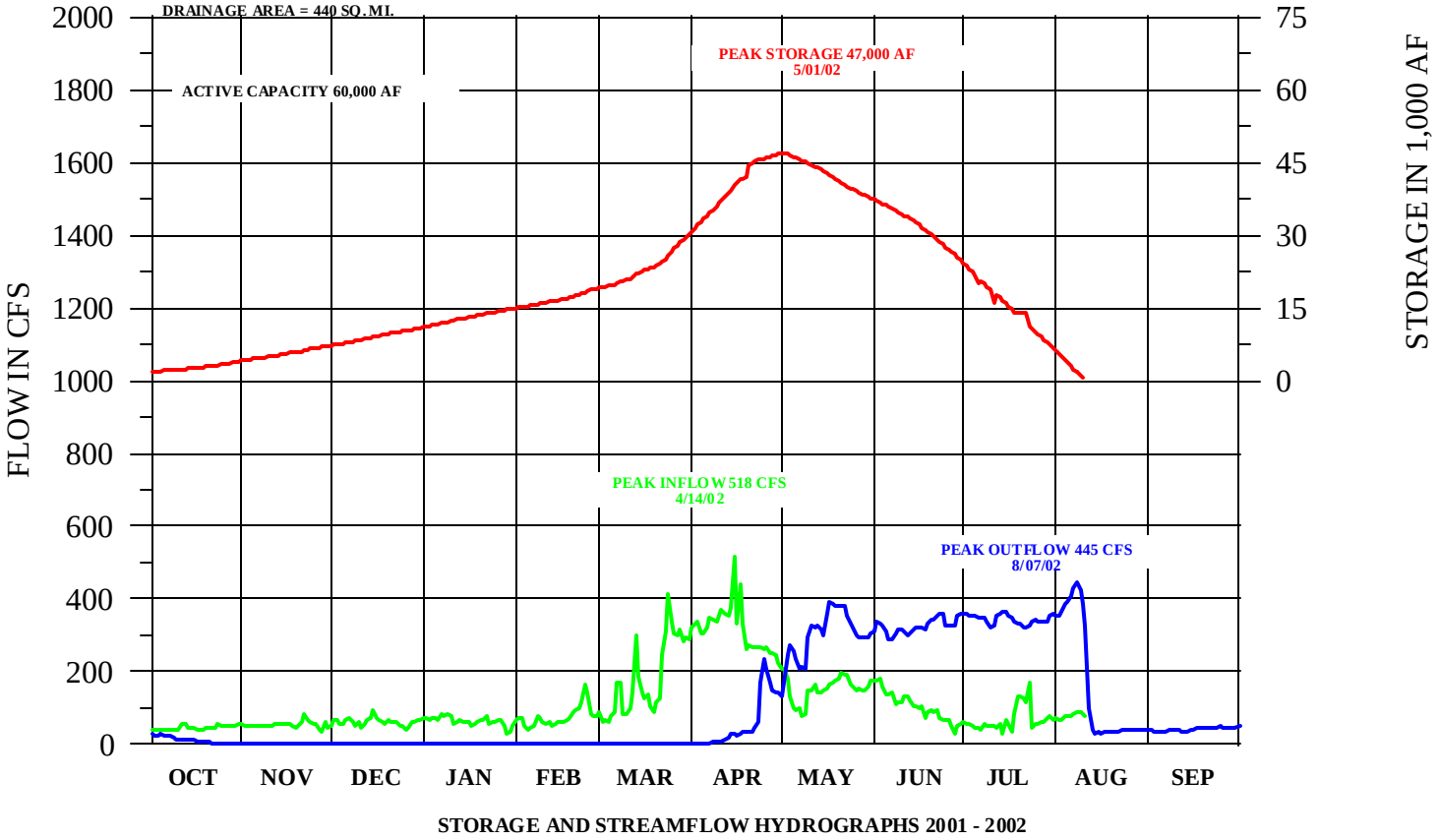
Chart 41



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

PAYETTE RIVER NEAR EMMETT, IDAHO

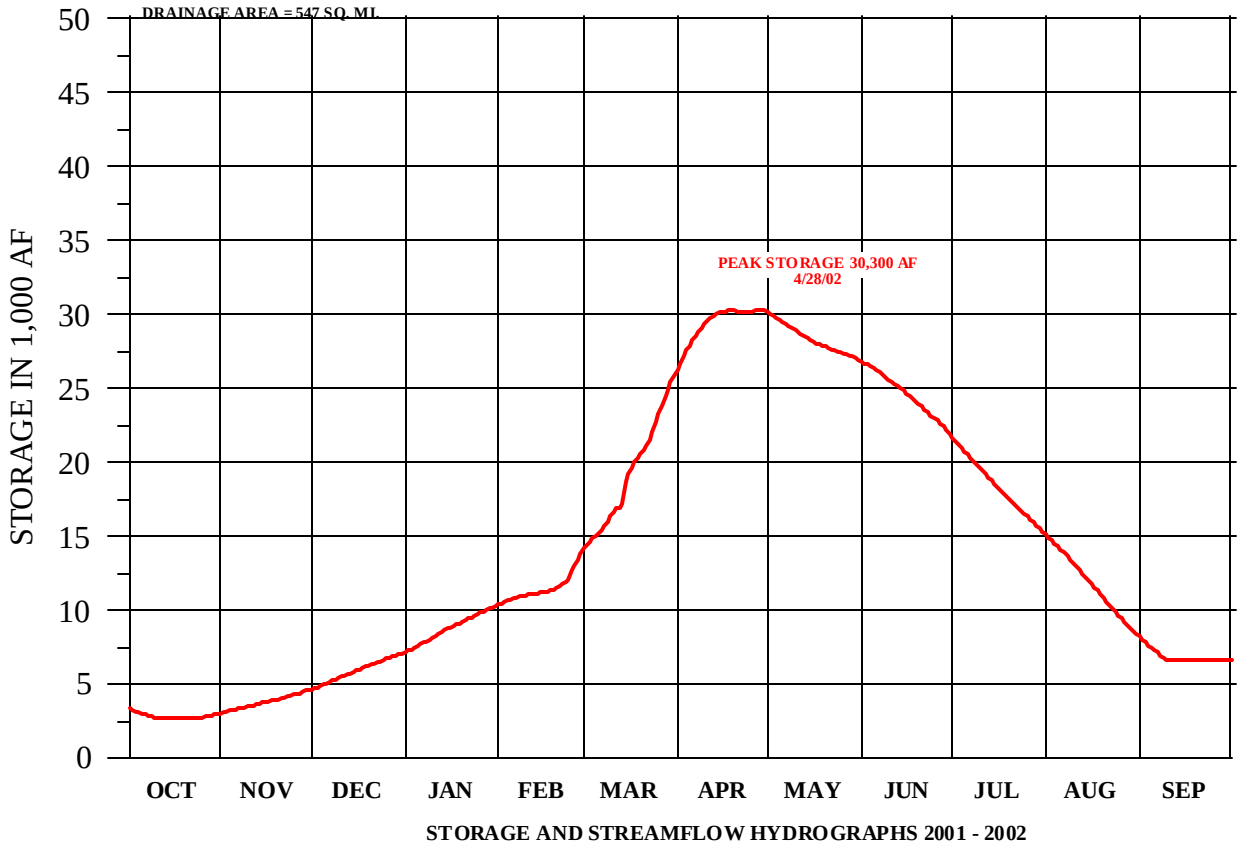
Chart 42



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

NORTH FORK MALHEUR RIVER AT AGENCY VALLEY PROJECT, OREGON

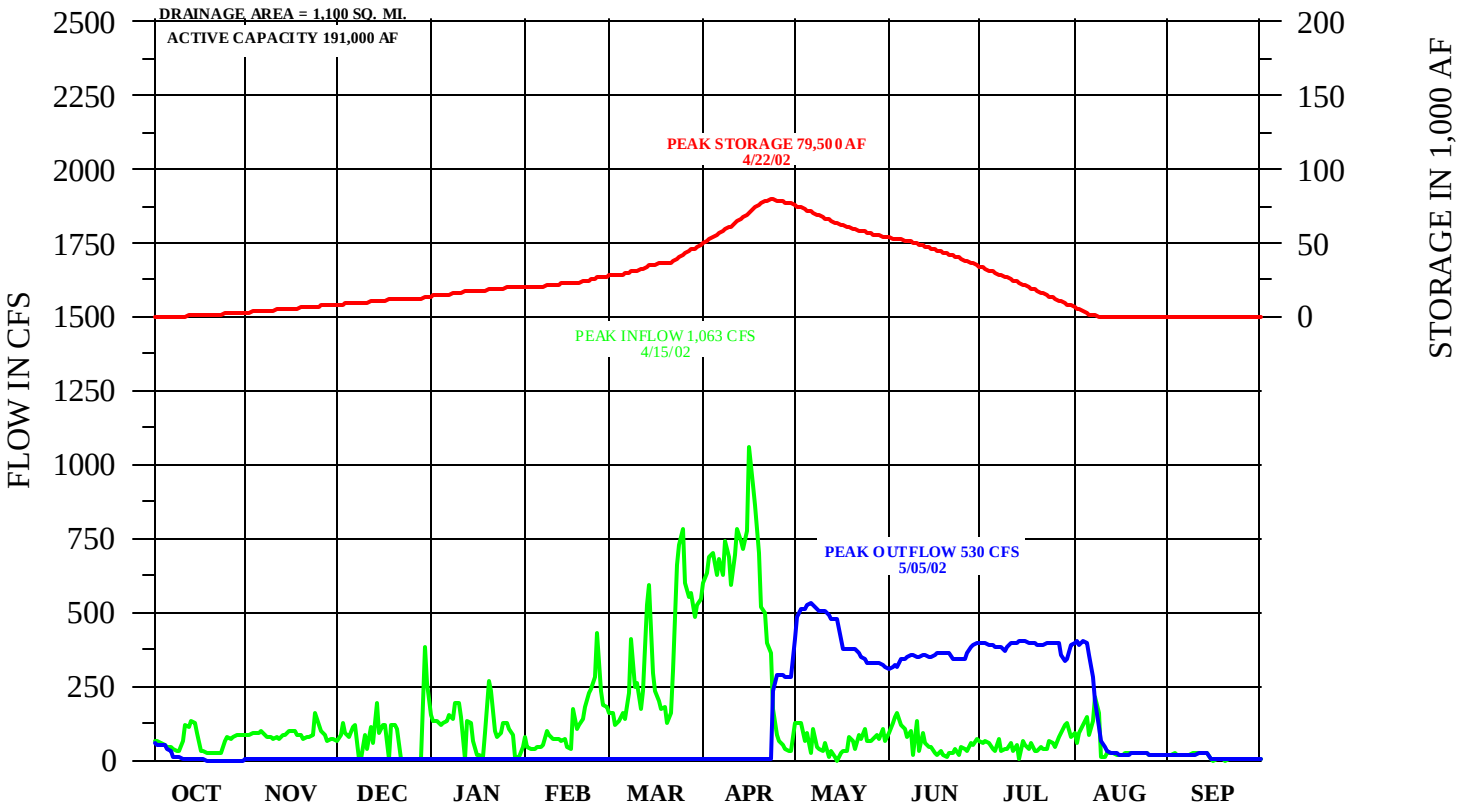
Chart 43



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

BULLY CREEK AT BULLY CREEK PROJECT, OREGON

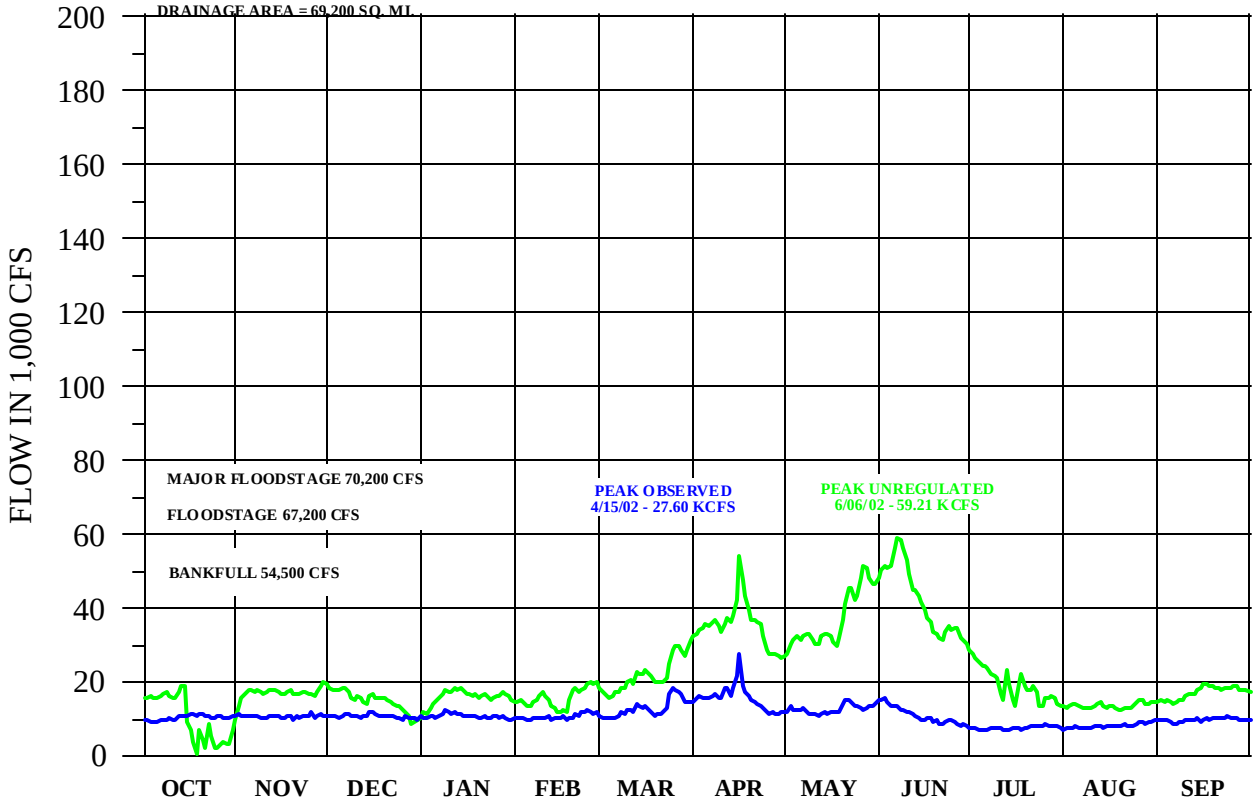
Chart 44



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

MIDDLE FORK MALHEUR RIVER AT WARM SPRINGS PROJECT, OREGON

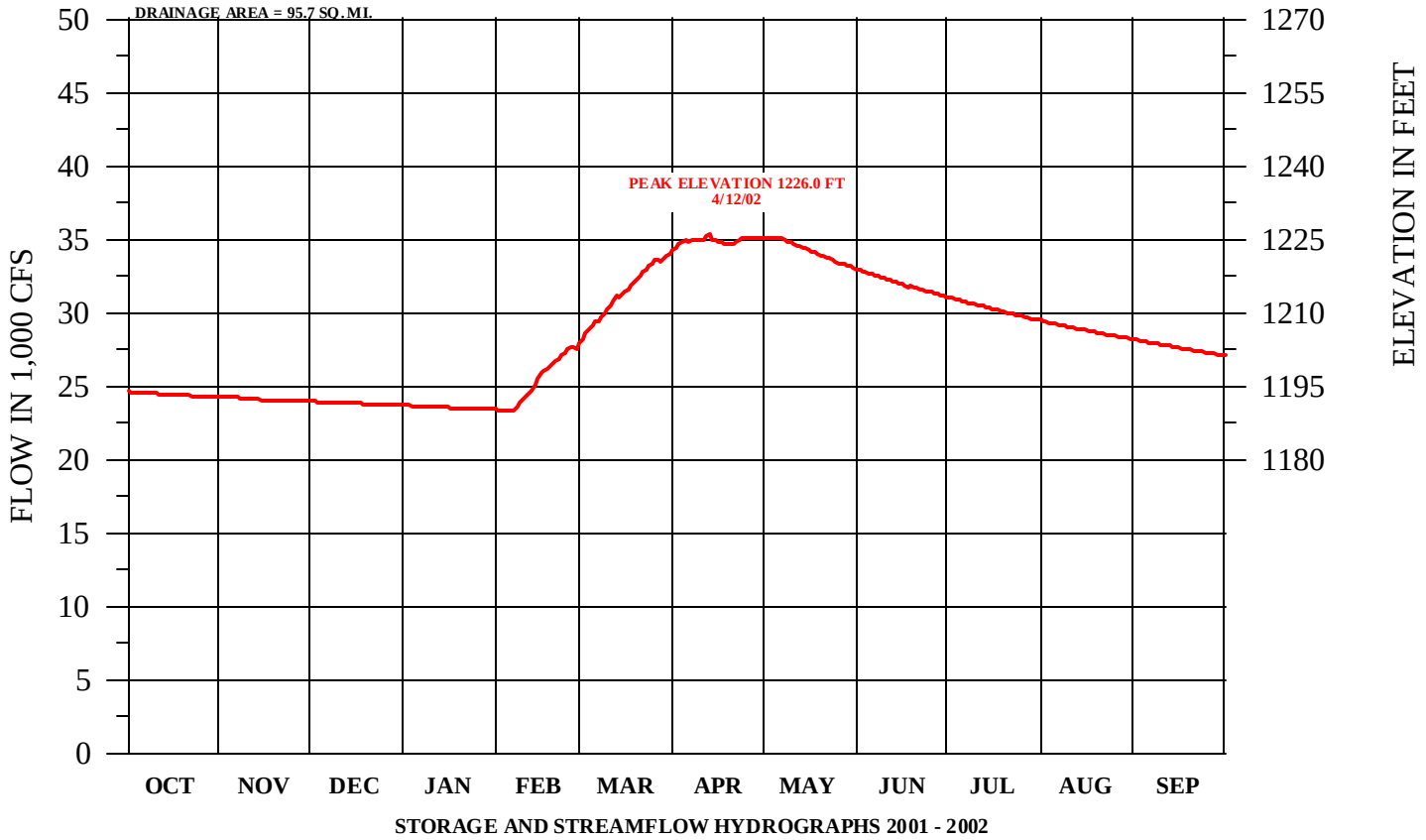
Chart 45



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

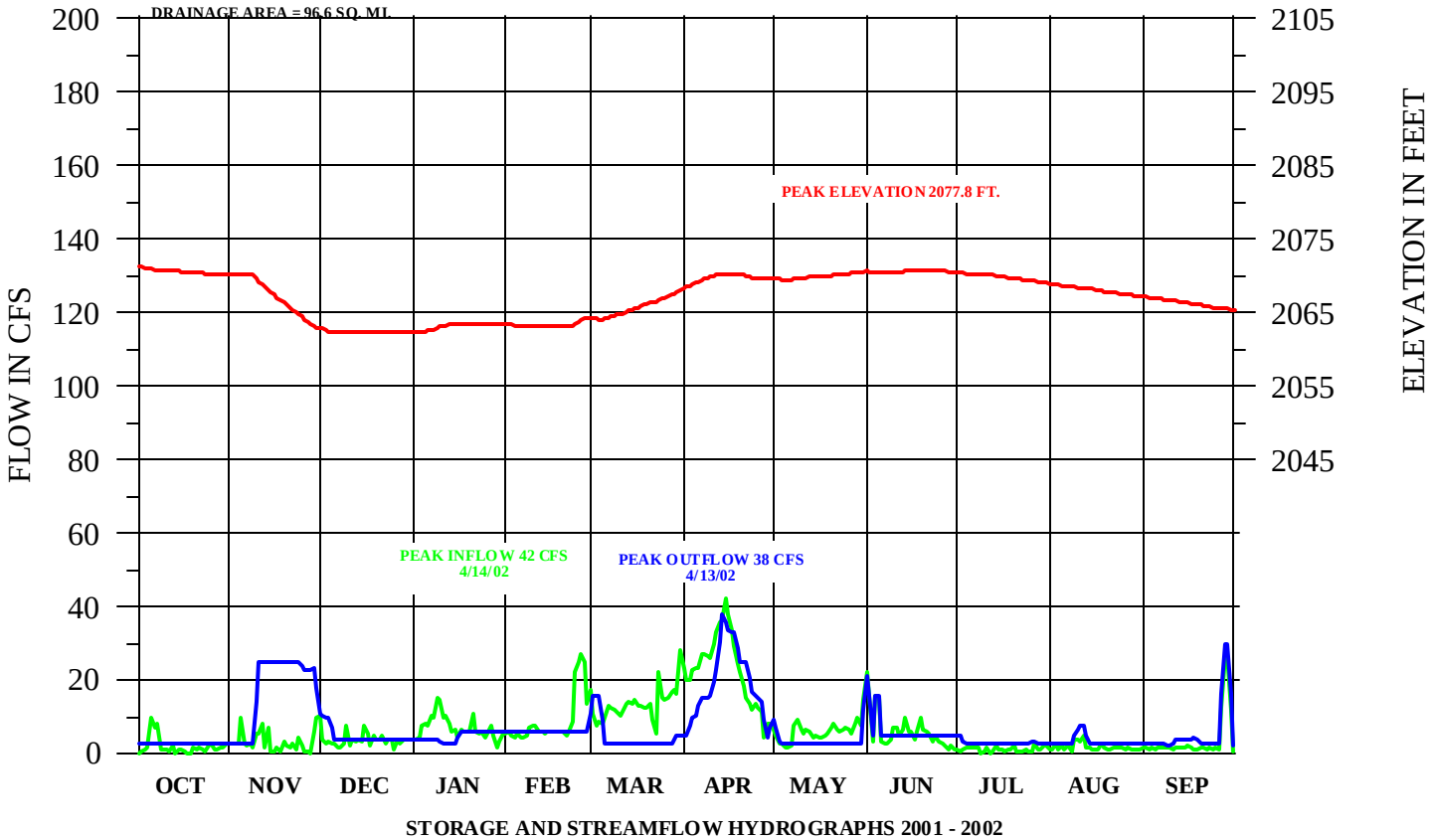
SNAKE RIVER AT WEISER, IDAHO

Chart 46



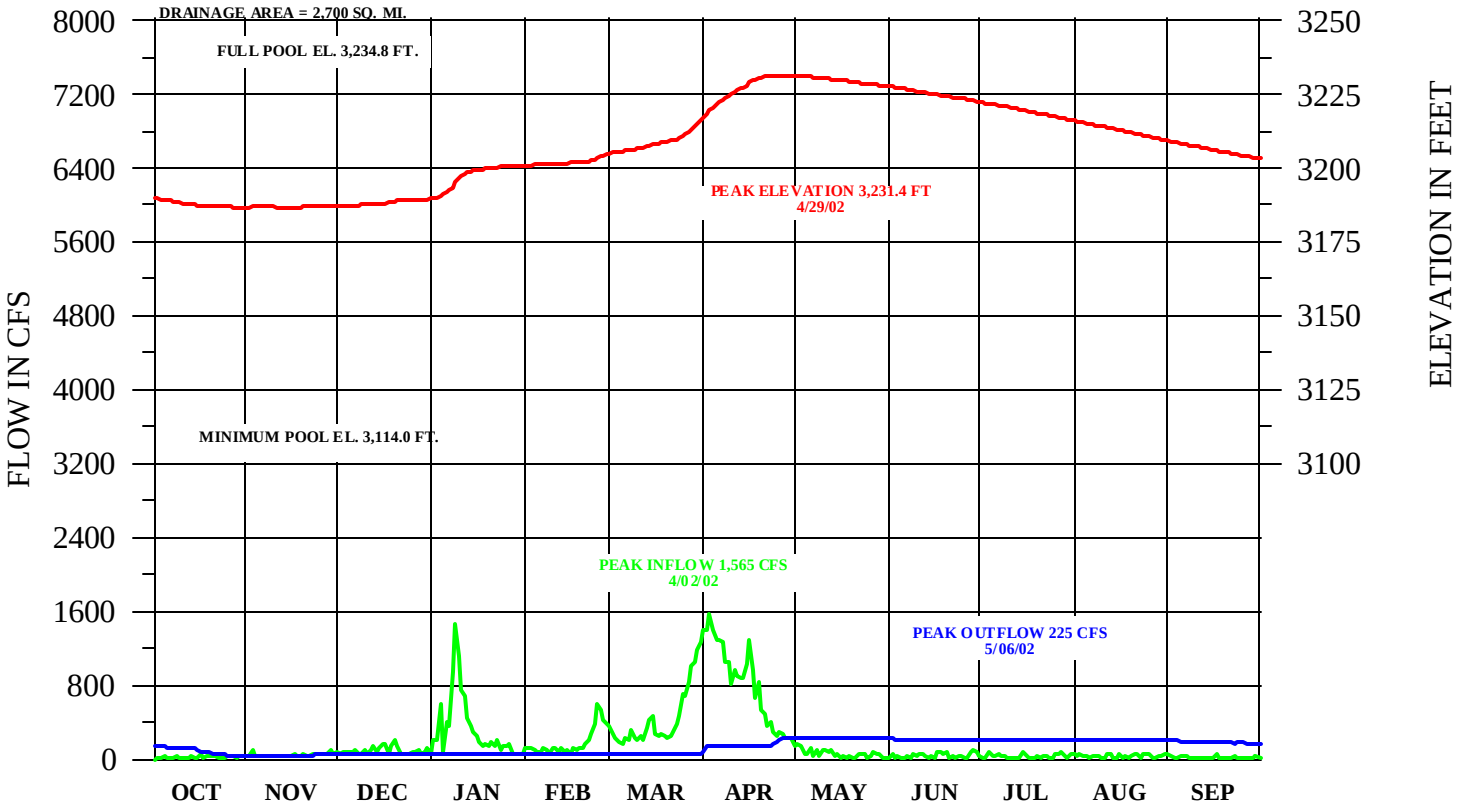
MILL CREEK AT MILL CREEK PROJECT, WASHINGTON

Chart 47



WILLOW CREEK AT WILLOW CREEK PROJECT, OREGON

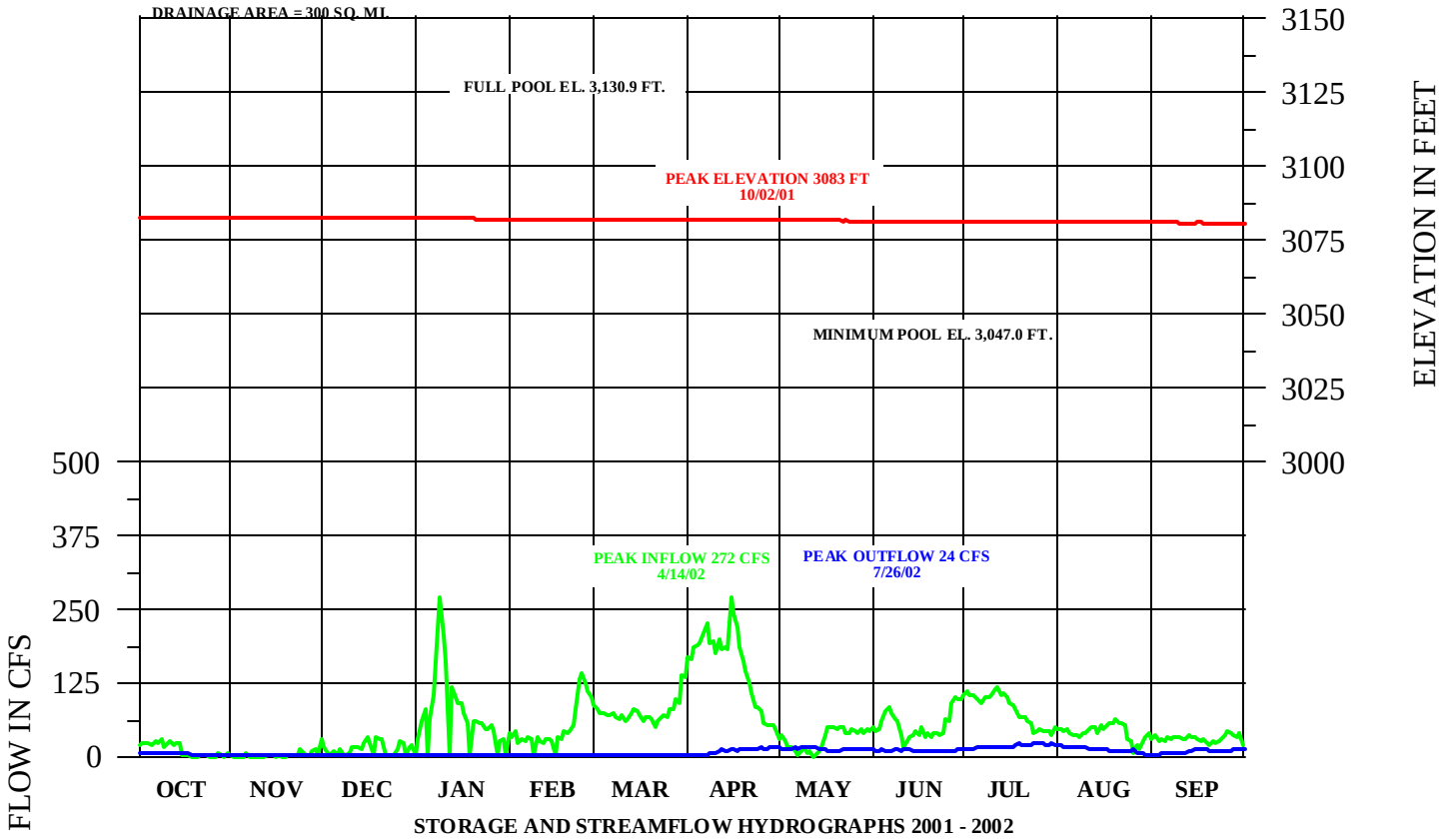
Chart 48



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

CROOKED RIVER AT PRINEVILLE PROJECT, OREGON

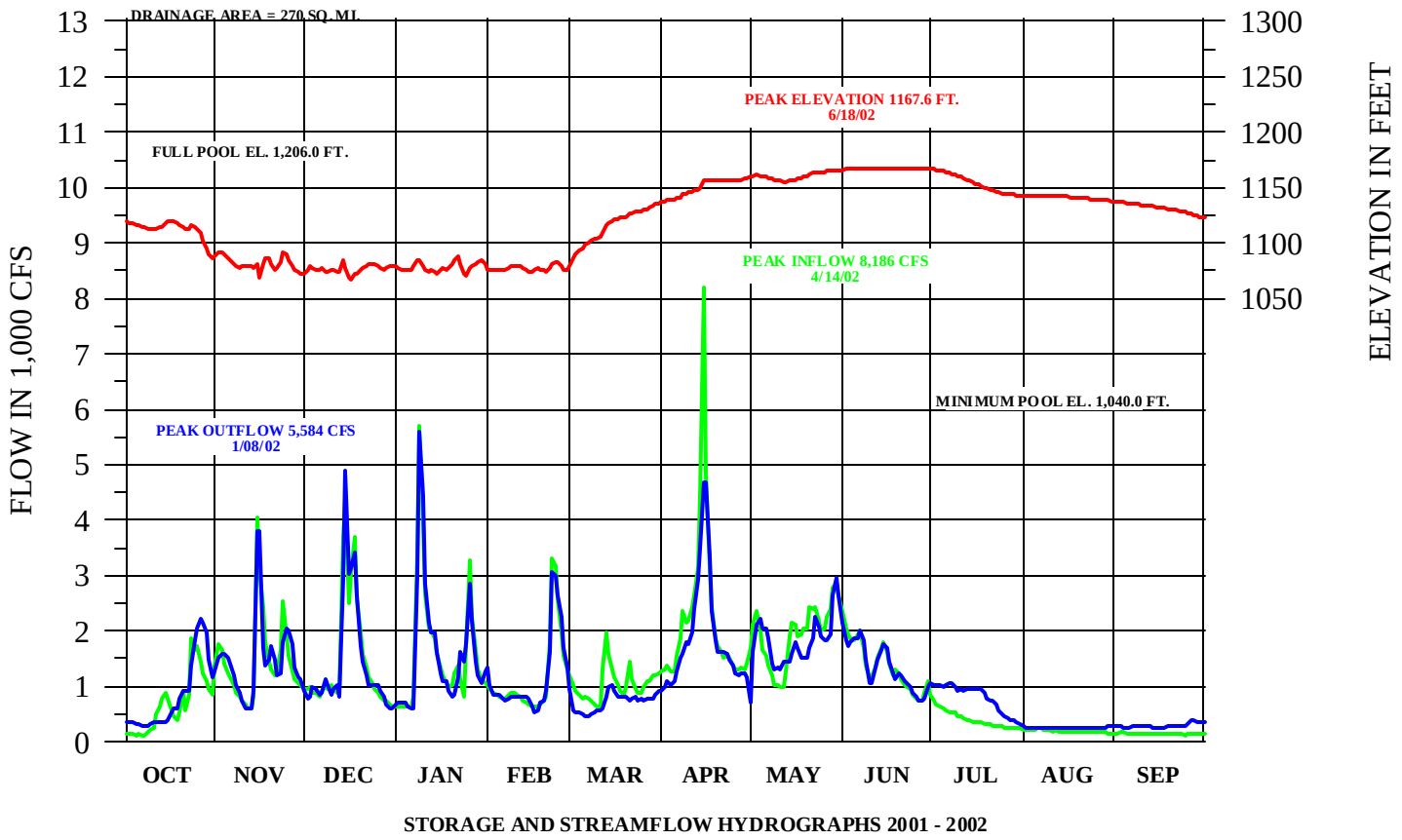
Chart 49



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

OCHOCO RIVER AT OCHOCO PROJECT, OREGON

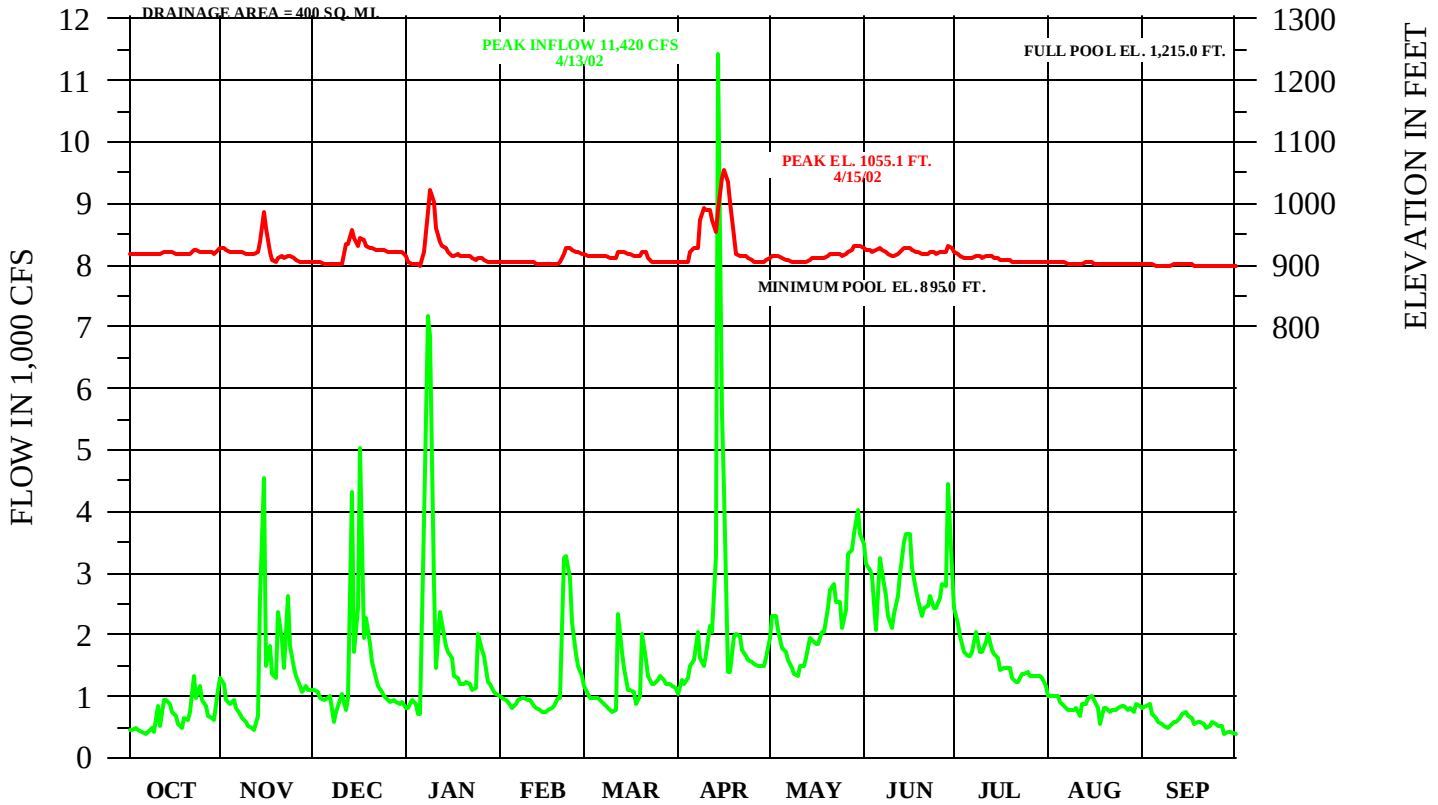
Chart 50



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

GREEN RIVER AT HOWARD A. HANSON PROJECT, WASHINGTON

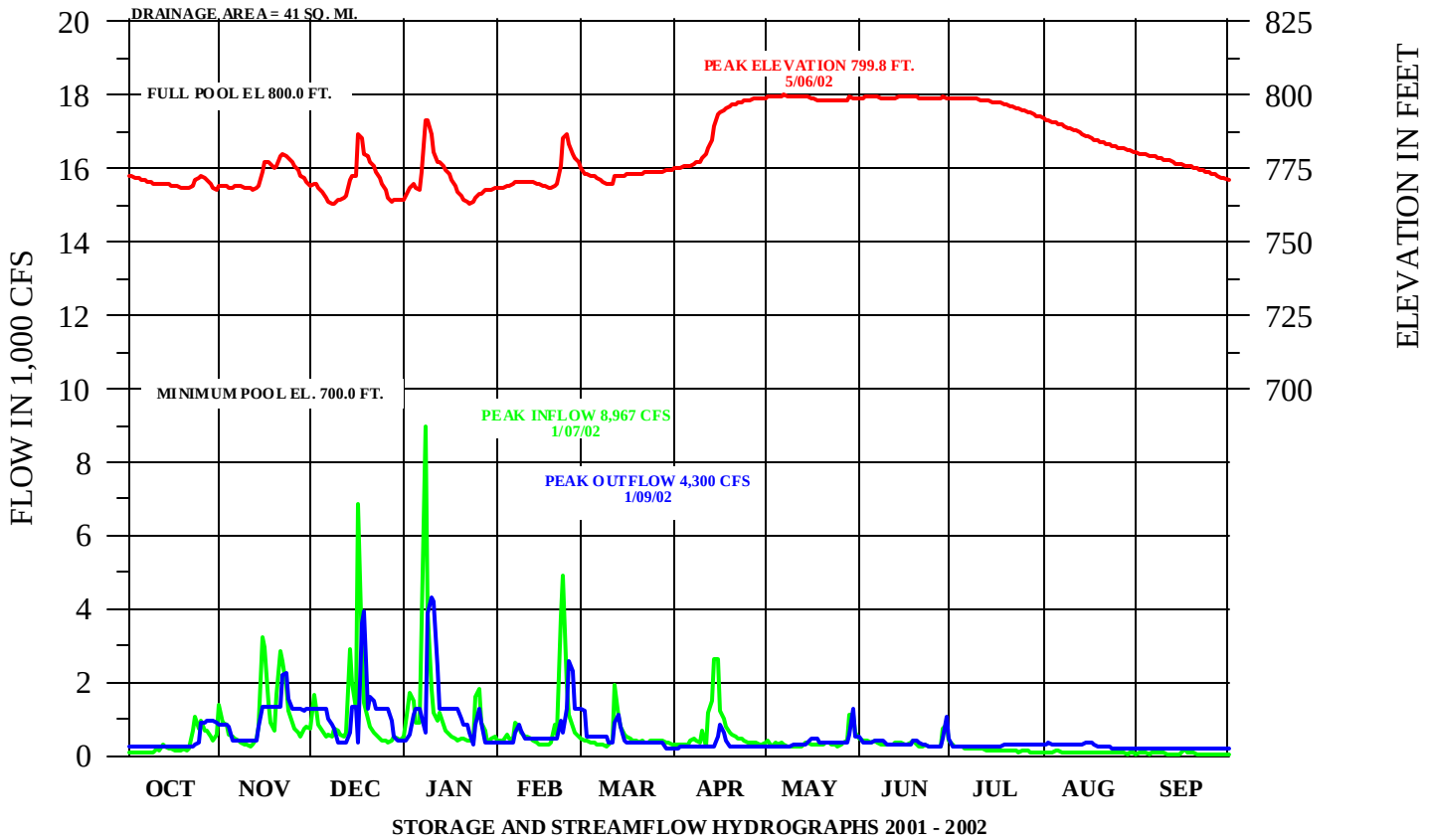
Chart 51



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

WHITE RIVER AT MUD MOUNTAIN PROJECT, WASHINGTON

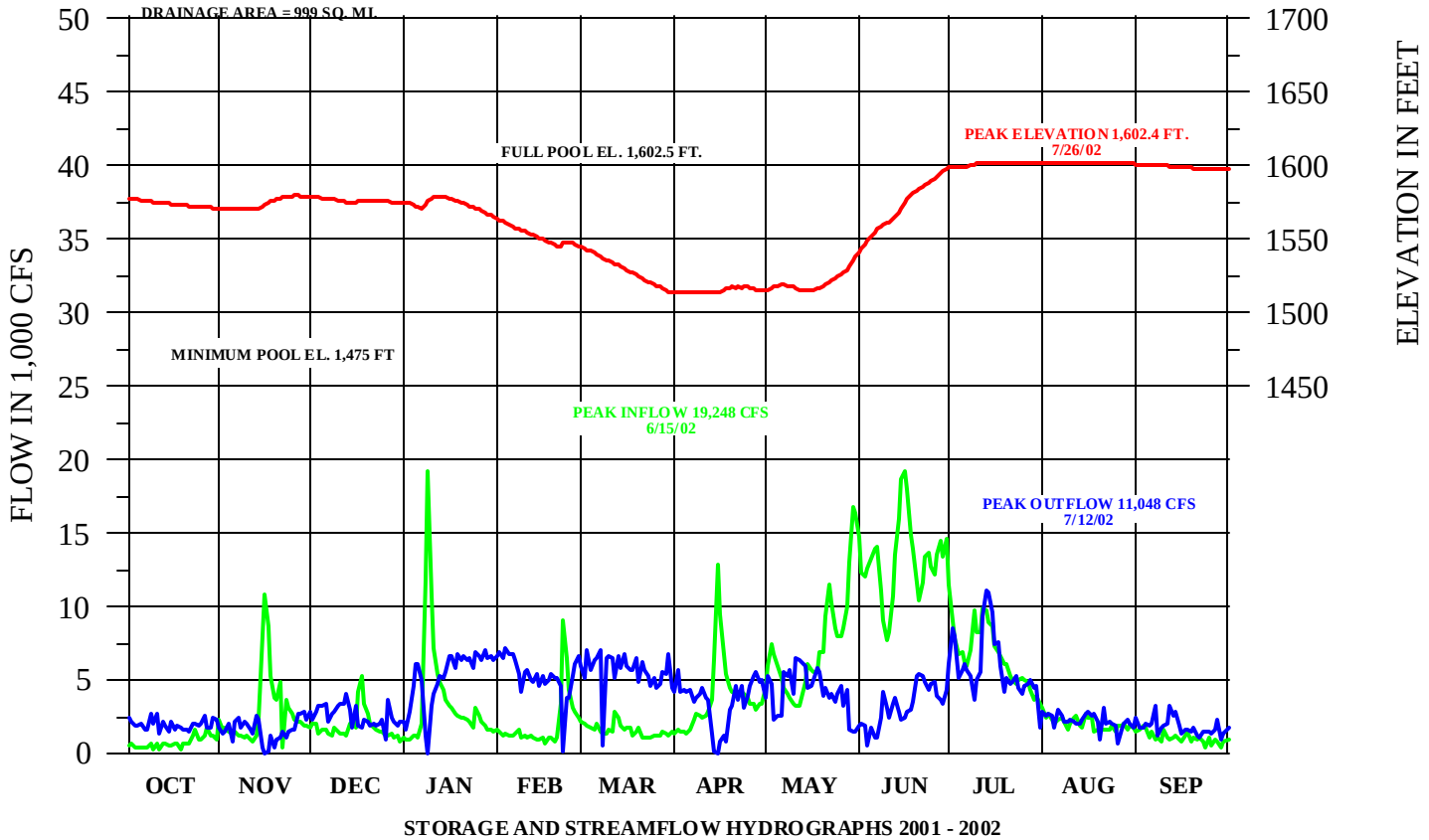
Chart 52



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

WYNOOCHEE RIVER AT WYNOOCHEE PROJECT, WASHINGTON

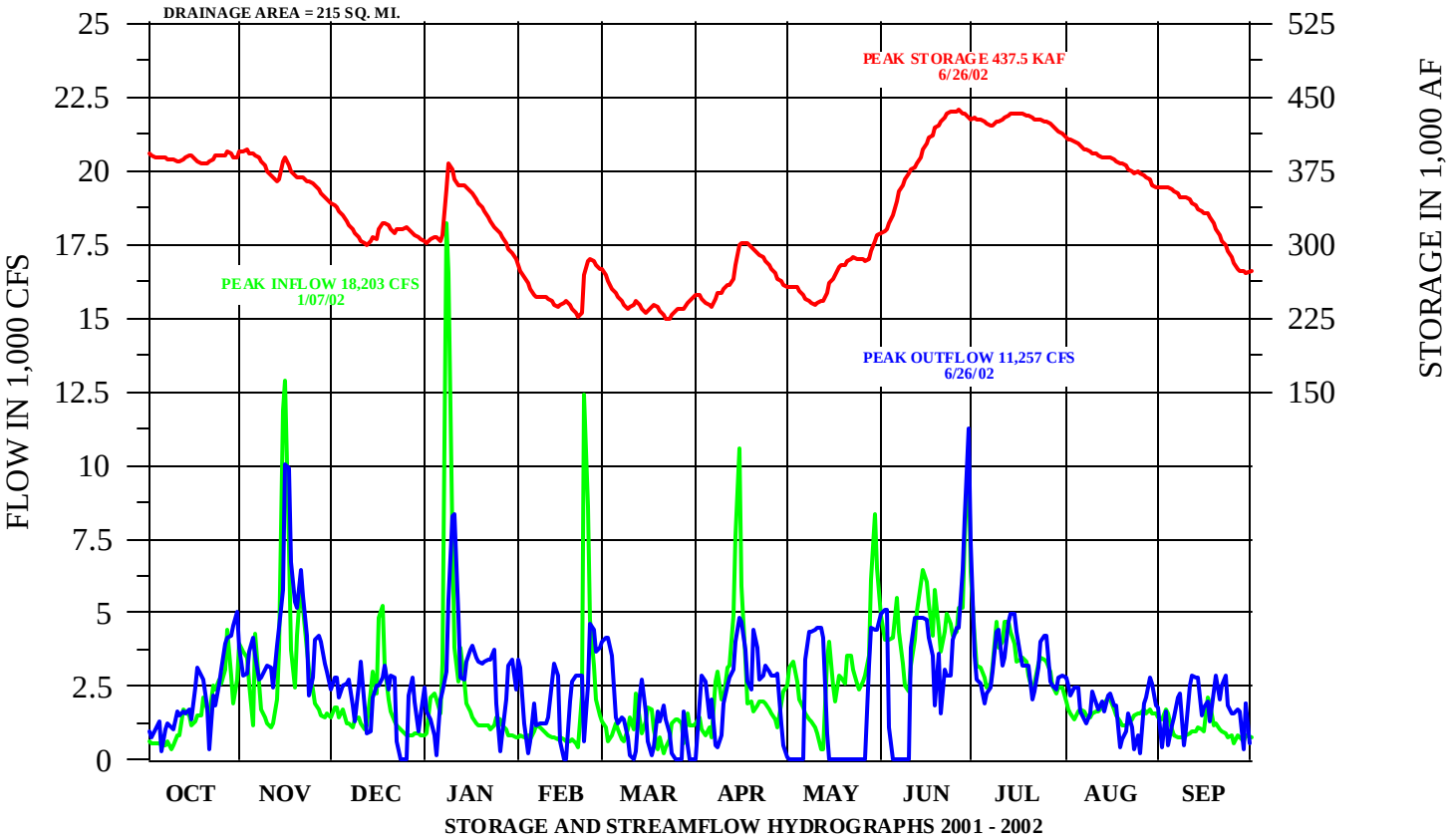
Chart 53



STORAGE AND STREAMFLOW HYDROGRAPHS 2001 - 2002

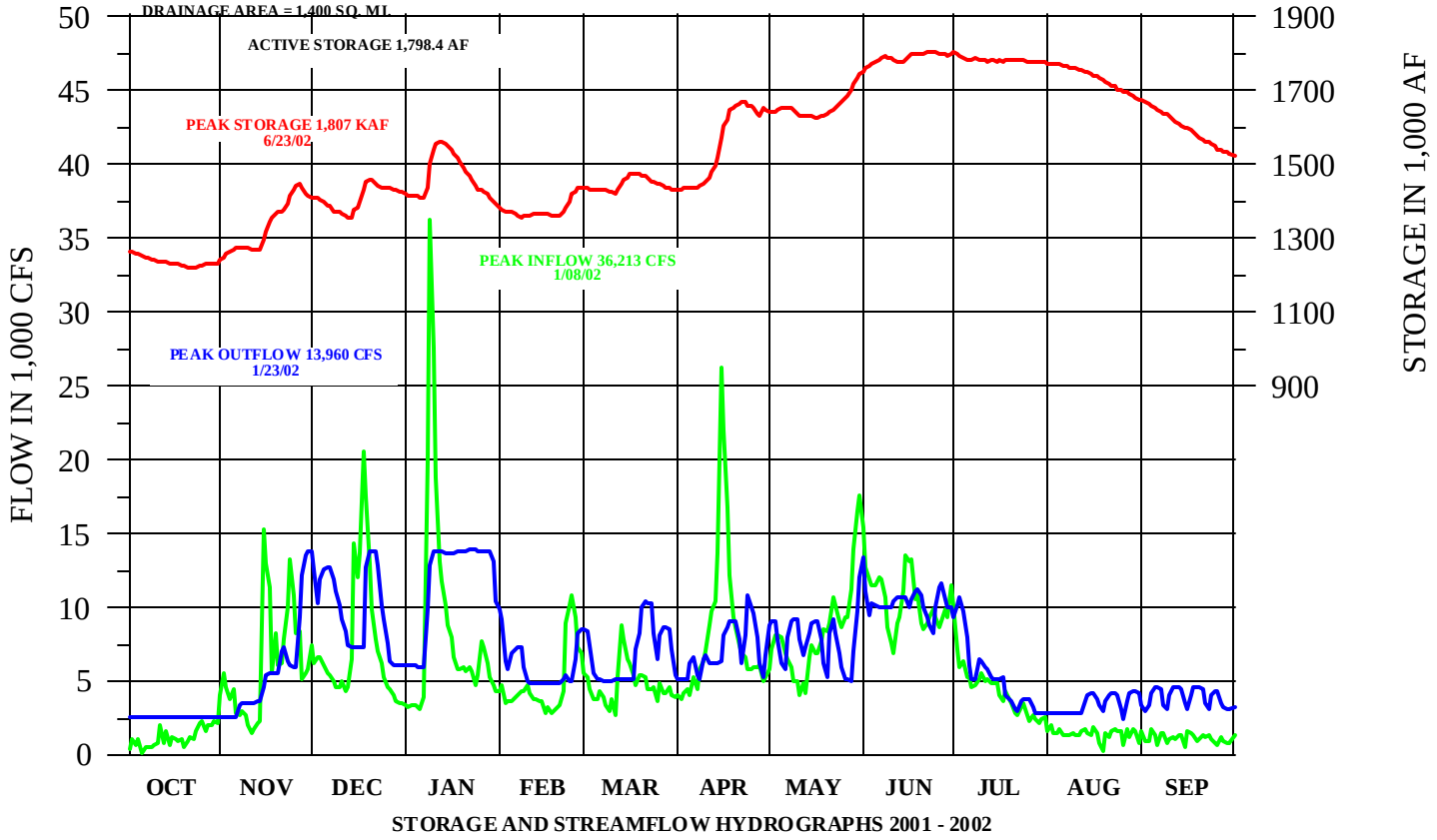
SKAGIT RIVER AT ROSS PROJECT, WASHINGTON

Chart 54



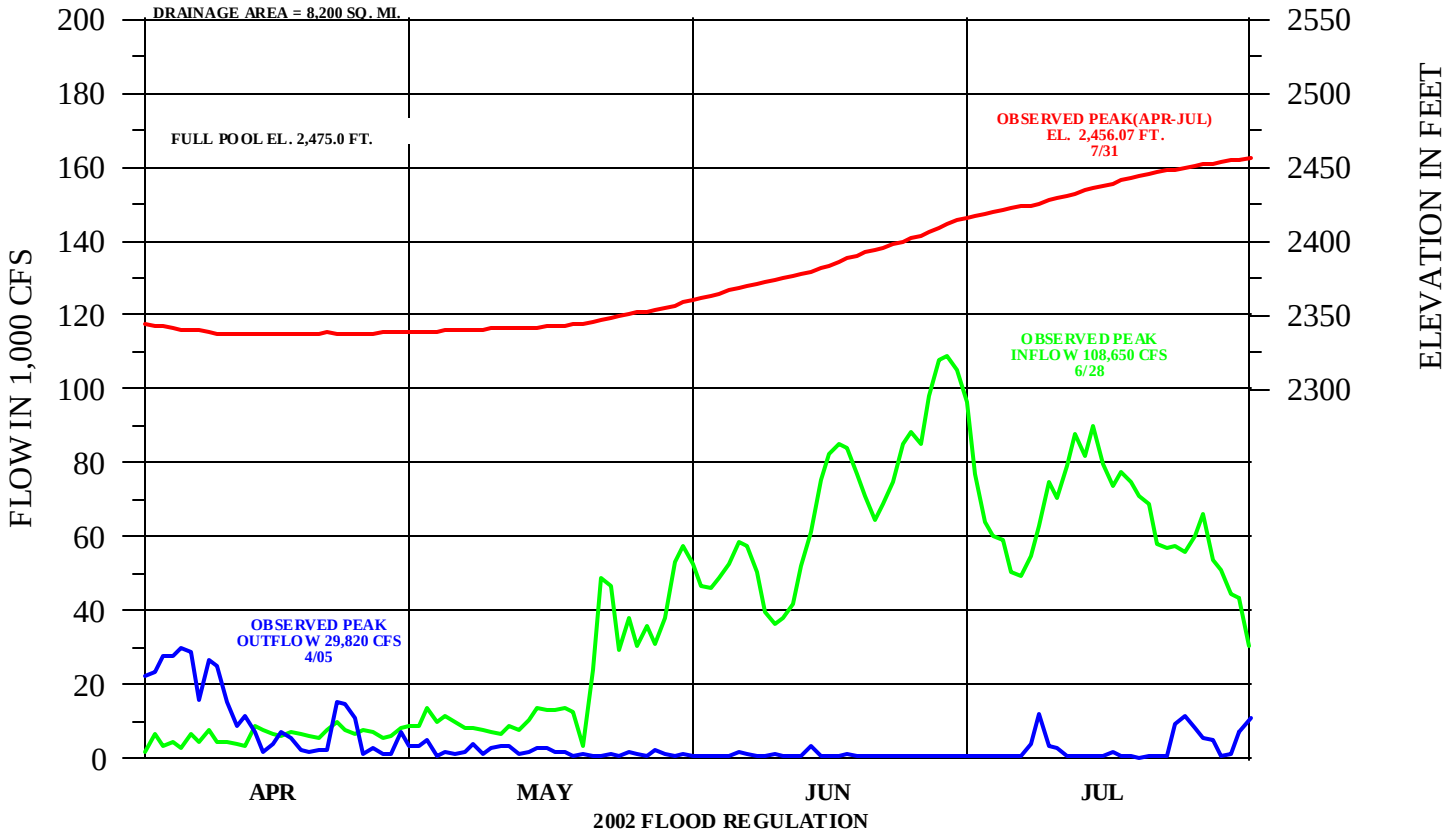
BAKER RIVER AT UPPER BAKER PROJECT, OREGON

Chart 55



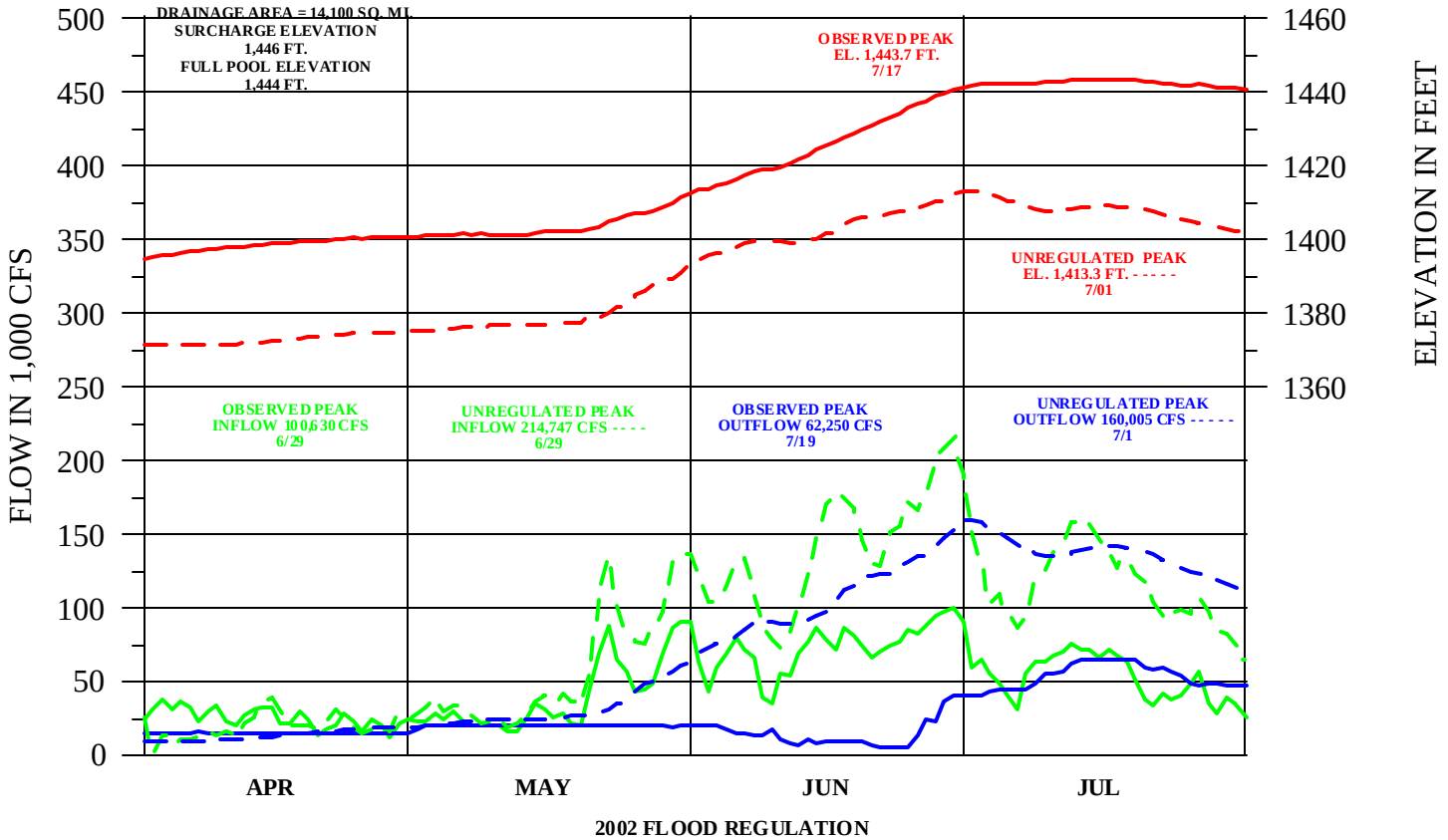
COWLITZ RIVER AT MAYFIELD/MOSSYROCK PROJECTS, WASHINGTON

Chart 56



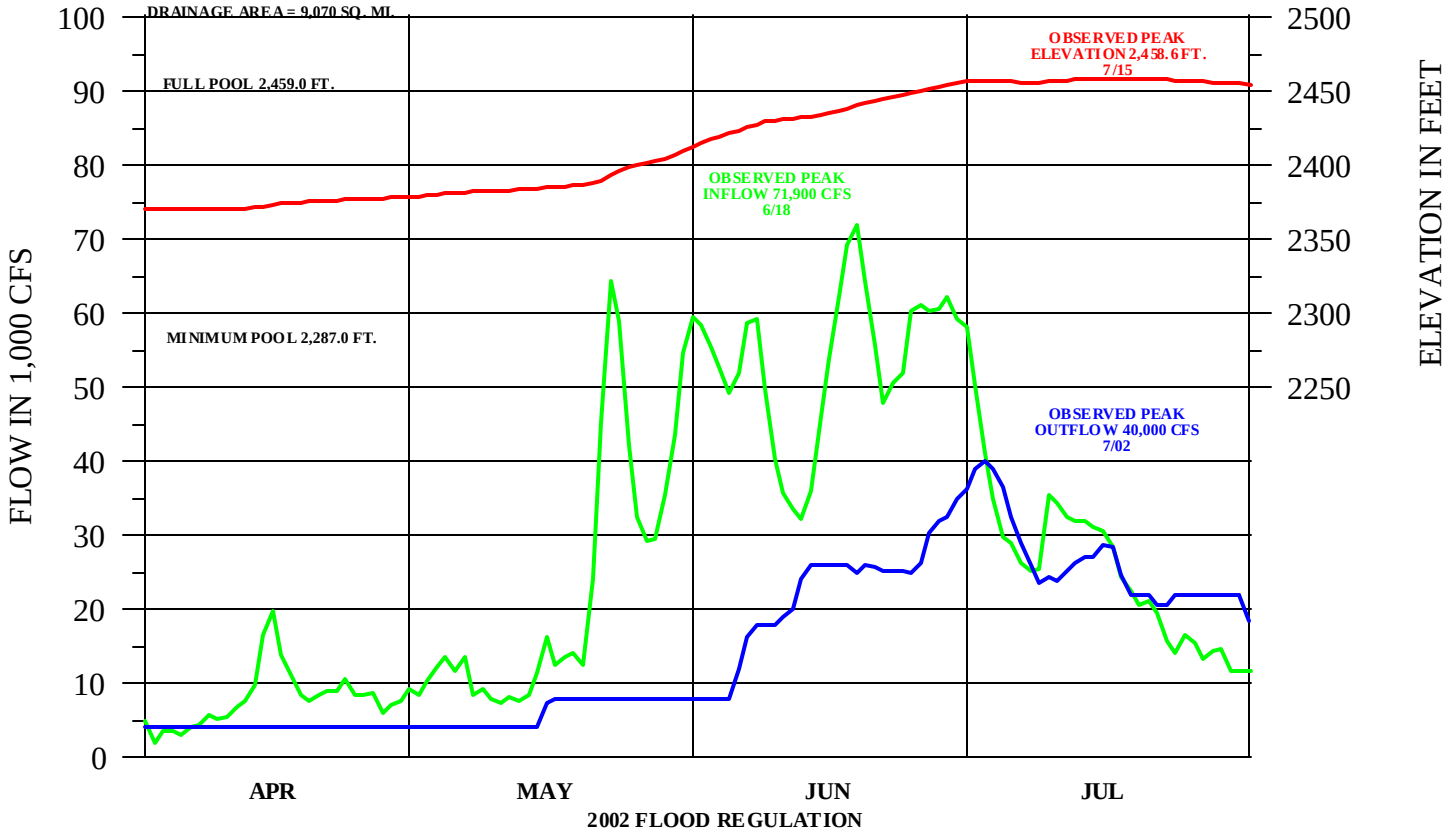
COLUMBIA RIVER AT MICA PROJECT, BRITISH COLUMBIA

Chart 57



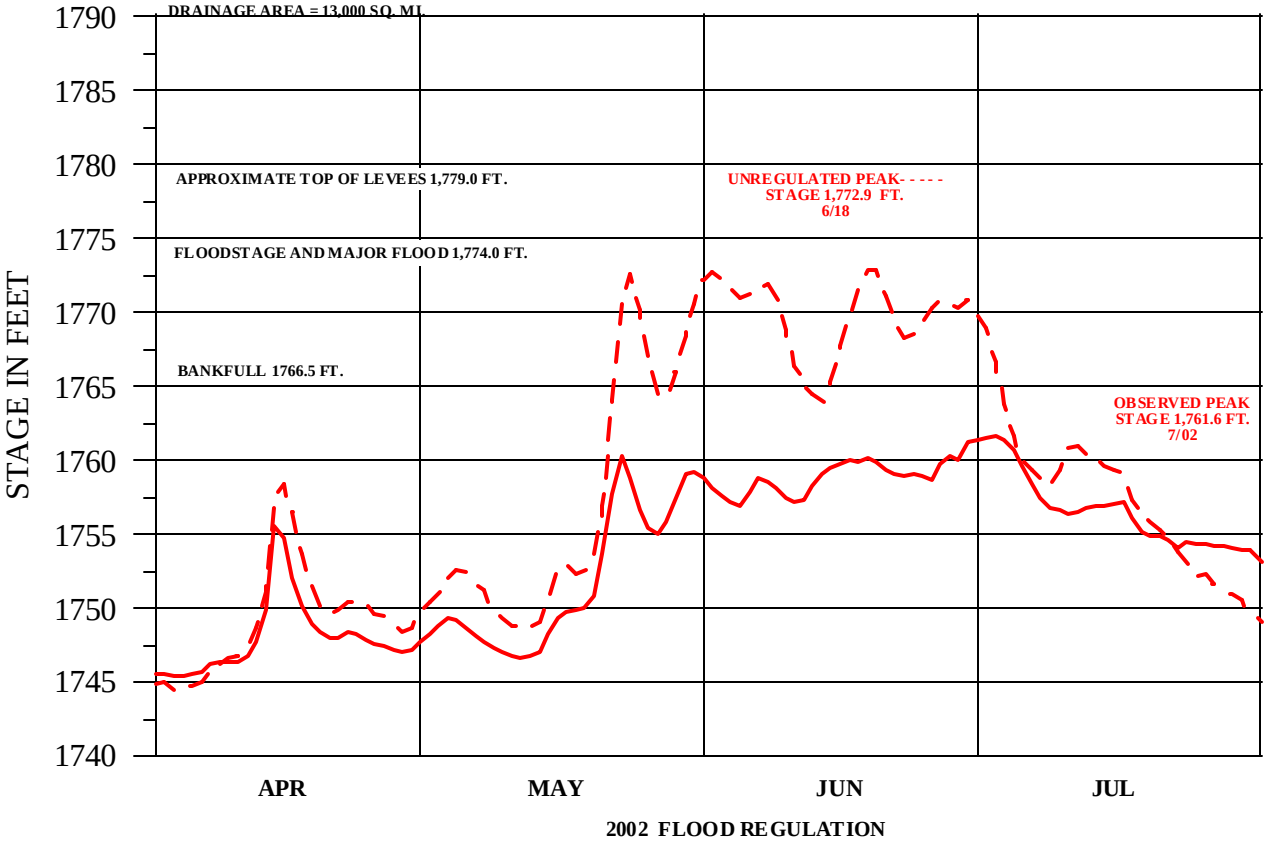
COLUMBIA RIVER AT ARROW PROJECT, BRITISH COLUMBIA

Chart 58



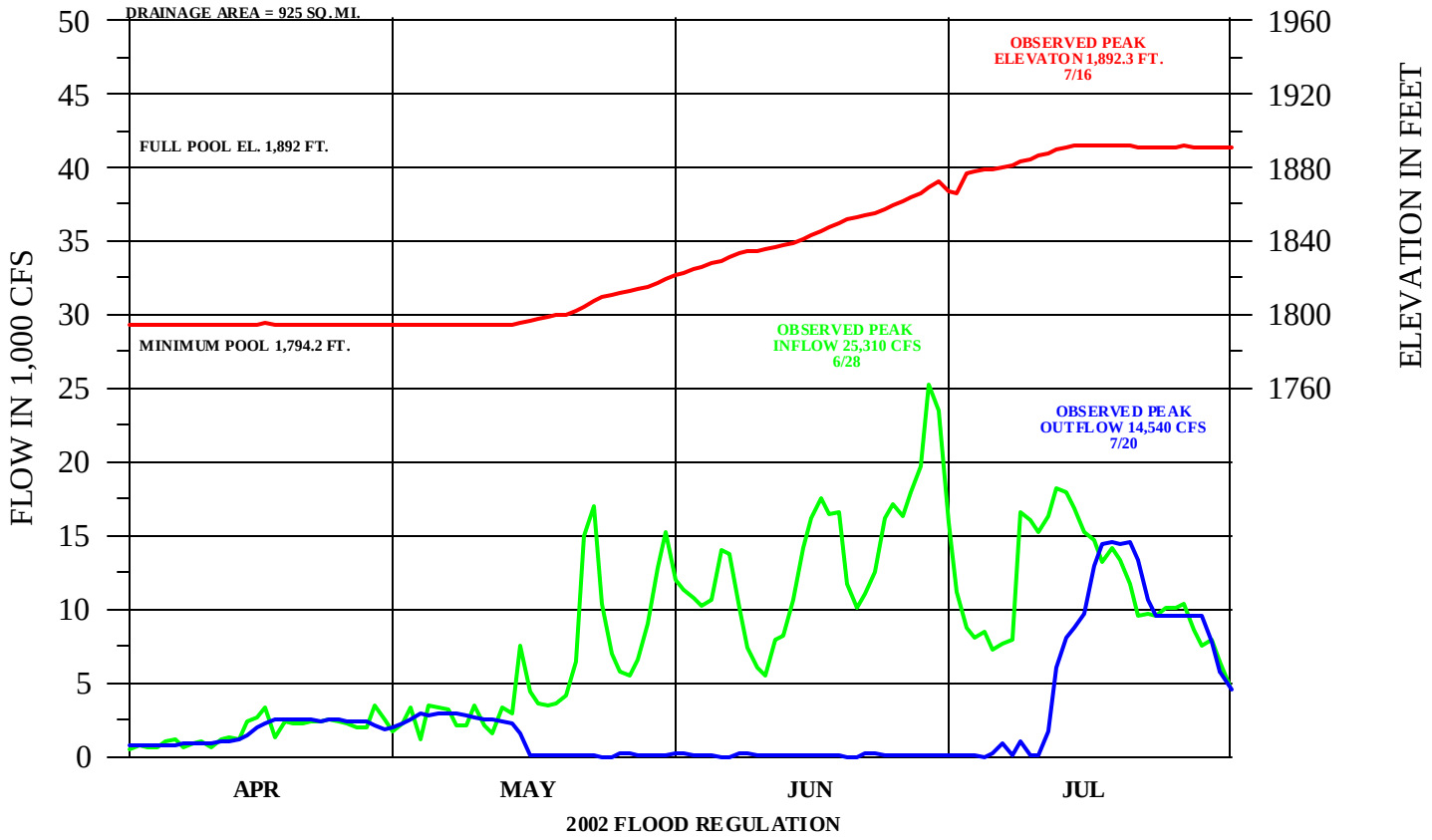
KOOTENAI RIVER AT LIBBY PROJECT, MONTANA

Chart 59



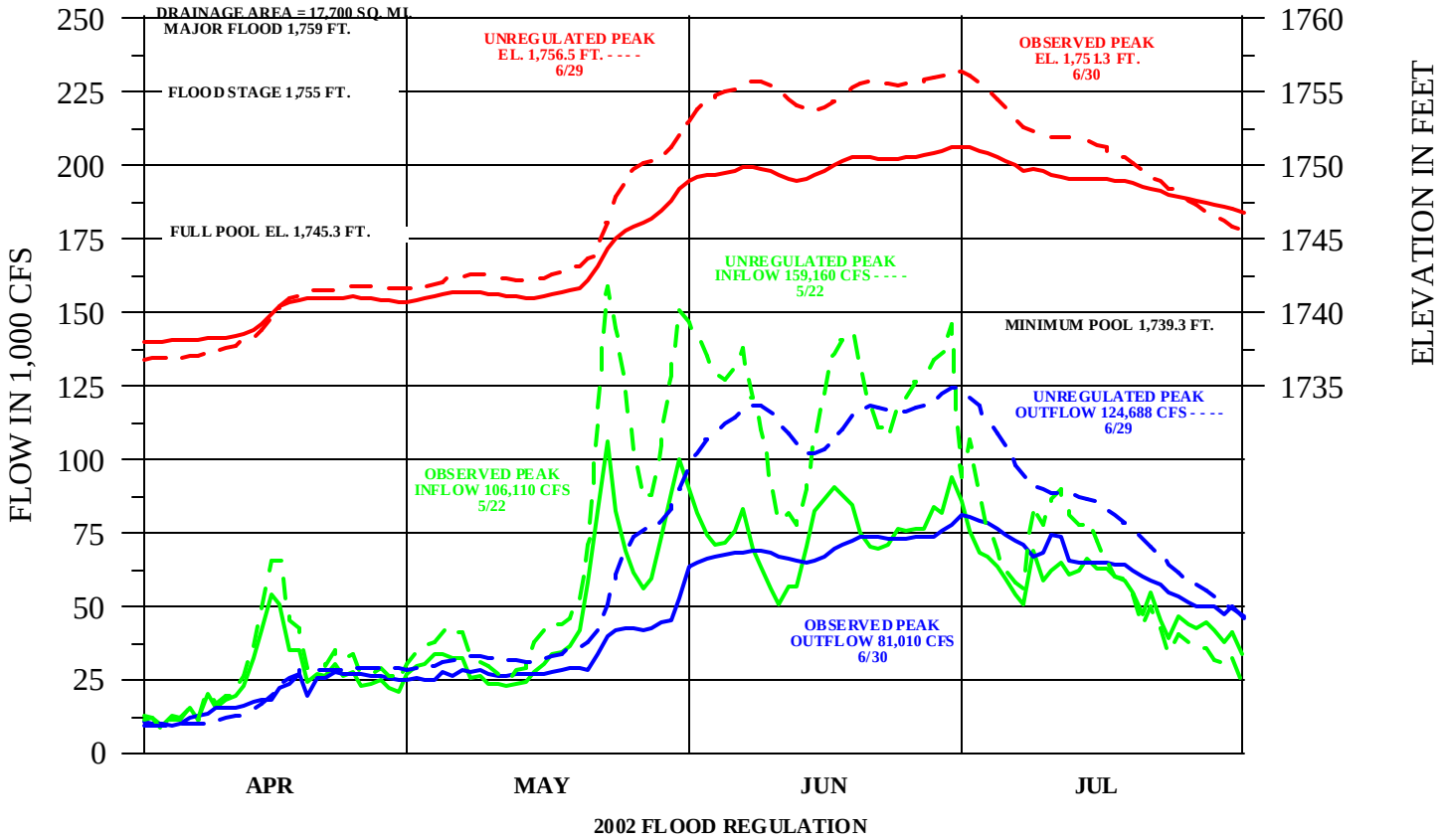
KOOTENAI RIVER AT BONNERS FERRY, IDAHO

Chart 60



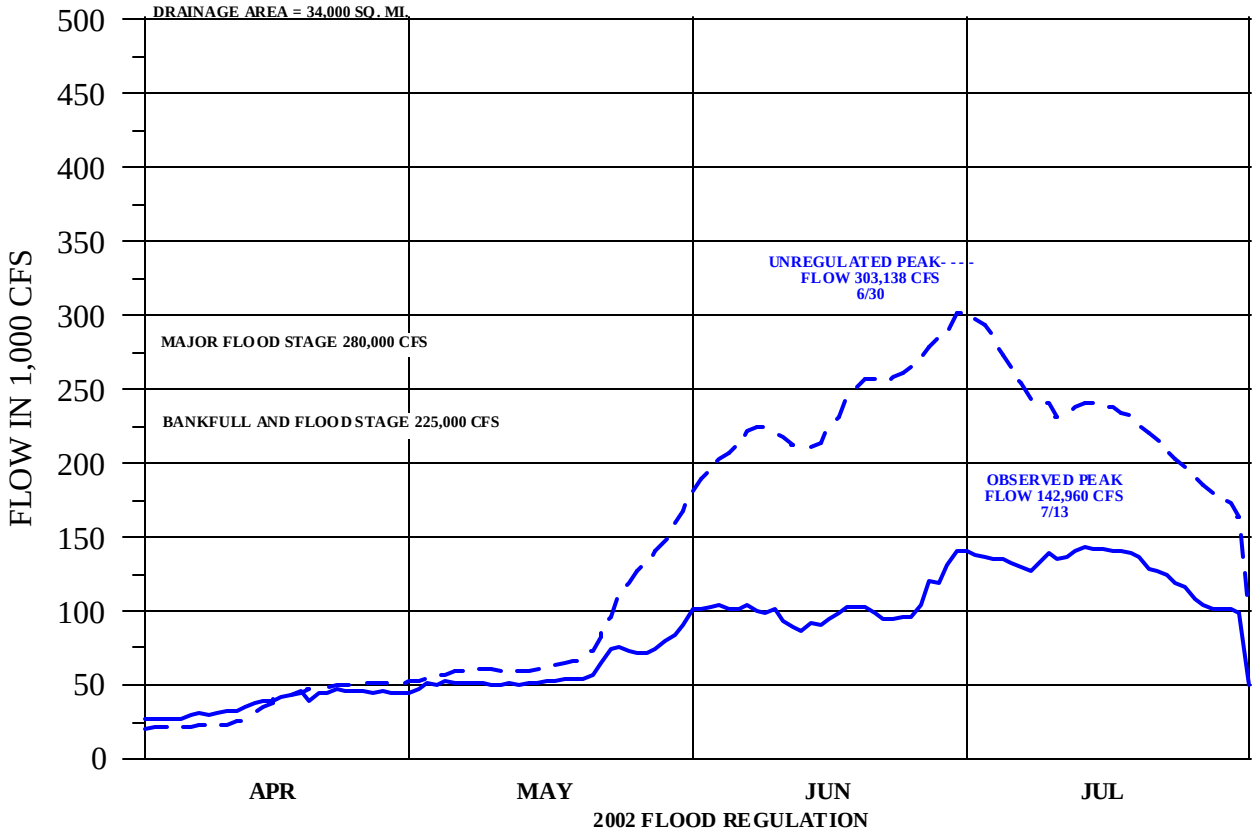
DUNCAN RIVER AT DUNCAN PROJECT, BRITISH COLUMBIA

Chart 61



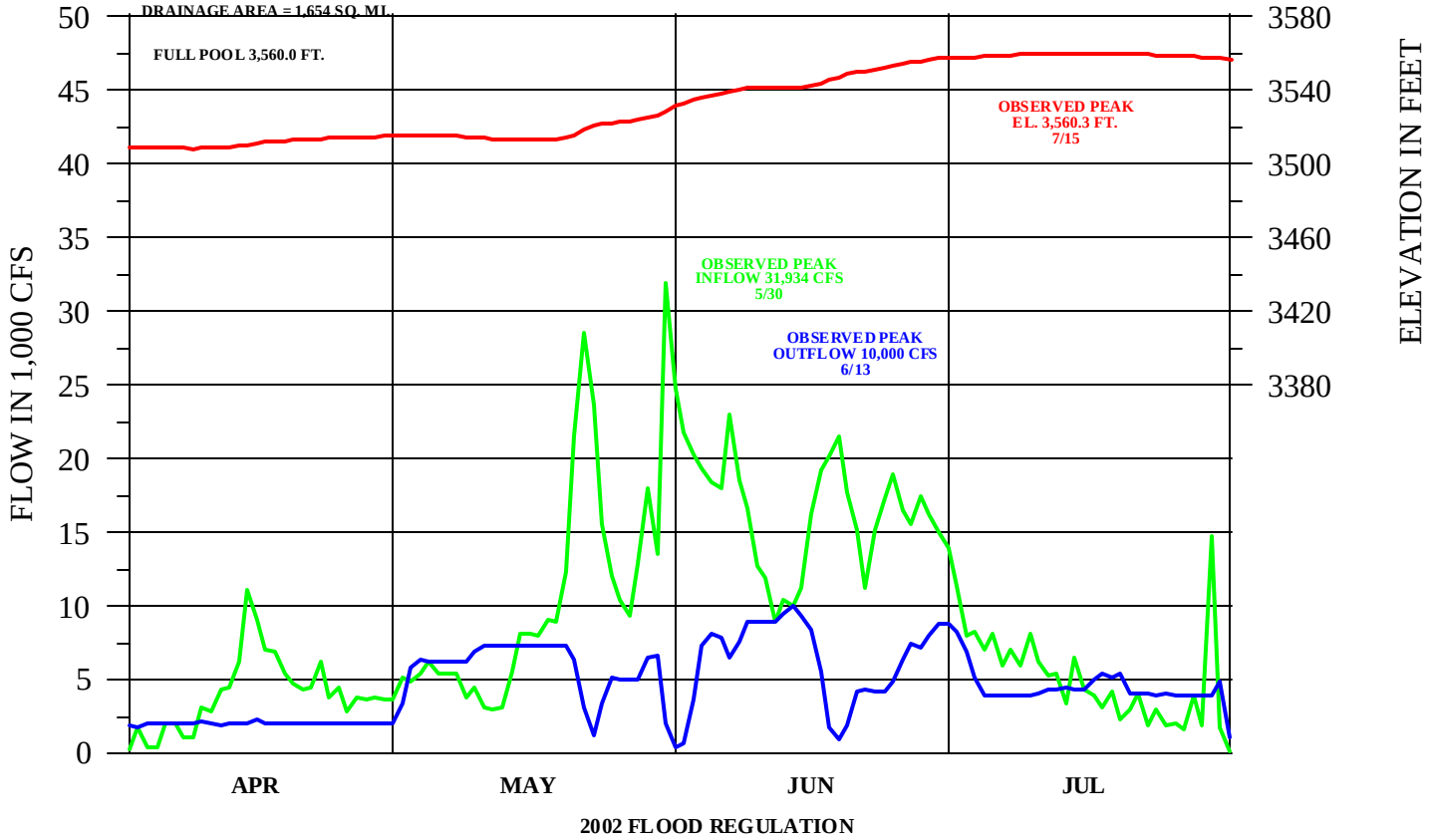
KOOTENAY RIVER AT KOOTENAY LAKE, BRITISH COLUMBIA

Chart 62



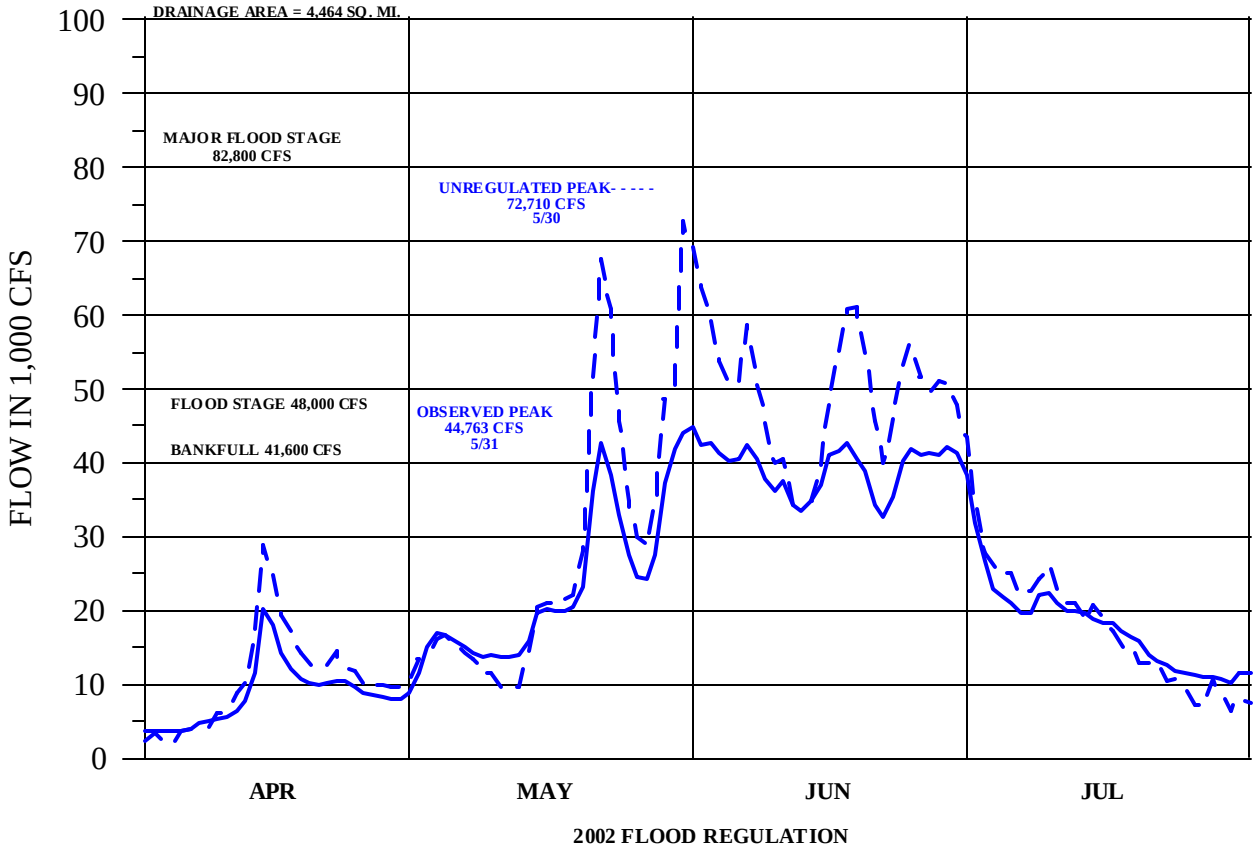
COLUMBIA RIVER AT BIRCHBANK, BRITISH COLUMBIA

Chart 63



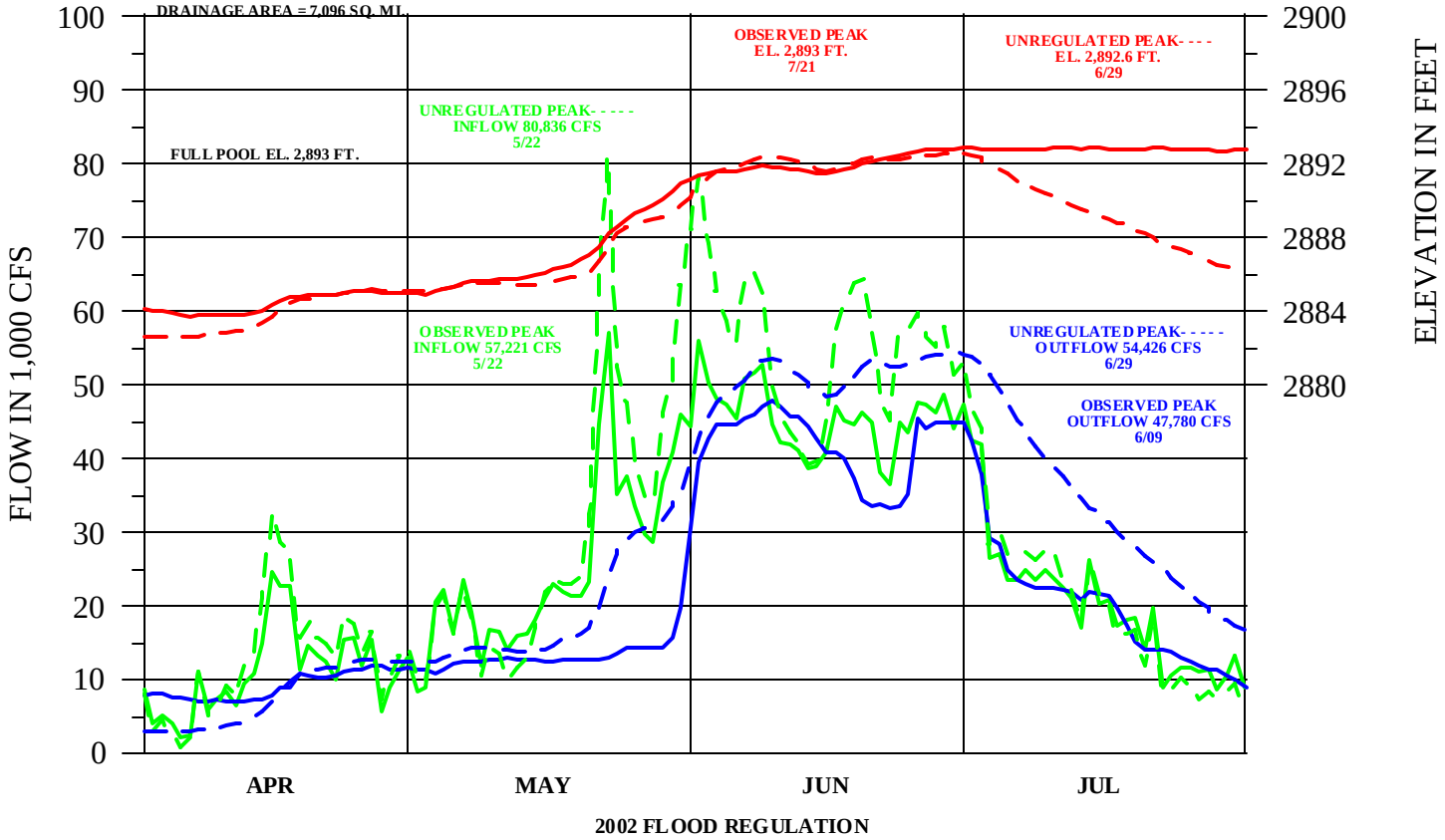
SOUTH FORK FLATHEAD RIVER AT HUNGRY HOURSE, MONTANA

Chart 64



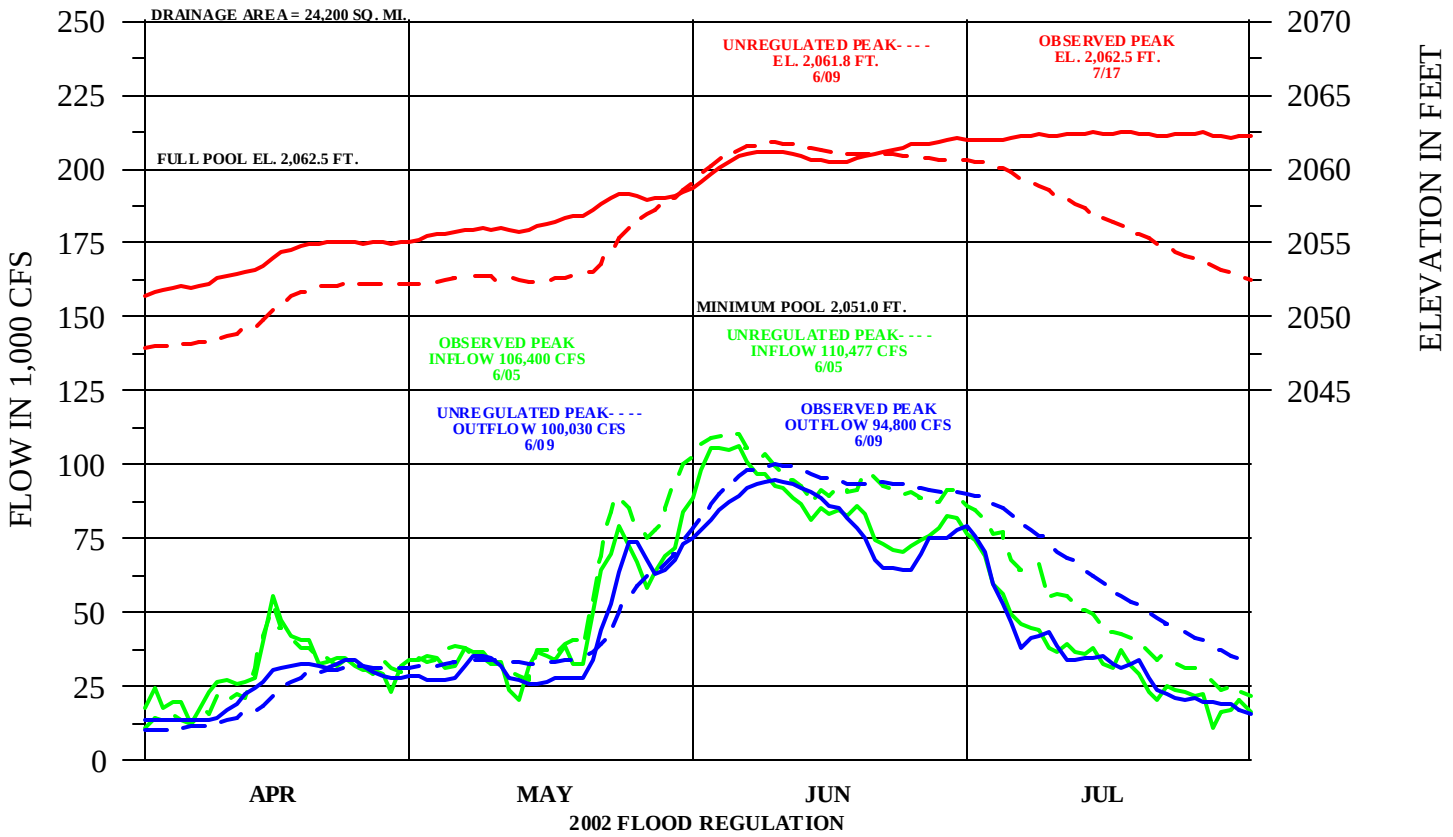
FLATHEAD RIVER AT COLUMBIA FALLS, MONTANA

Chart 65



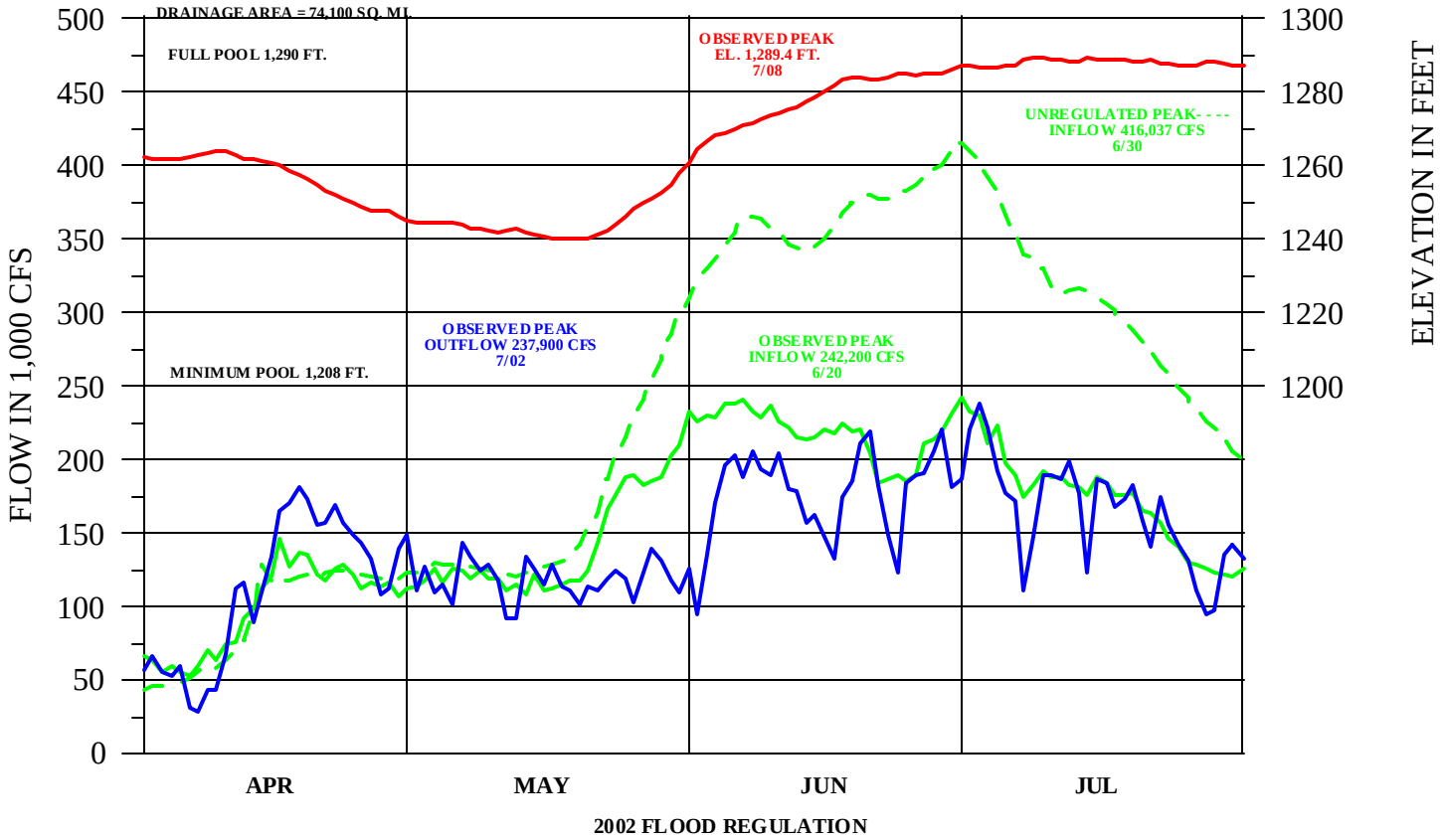
FLATHEAD RIVER AT FLATHEAD LAKE, MONTANA

Chart 66



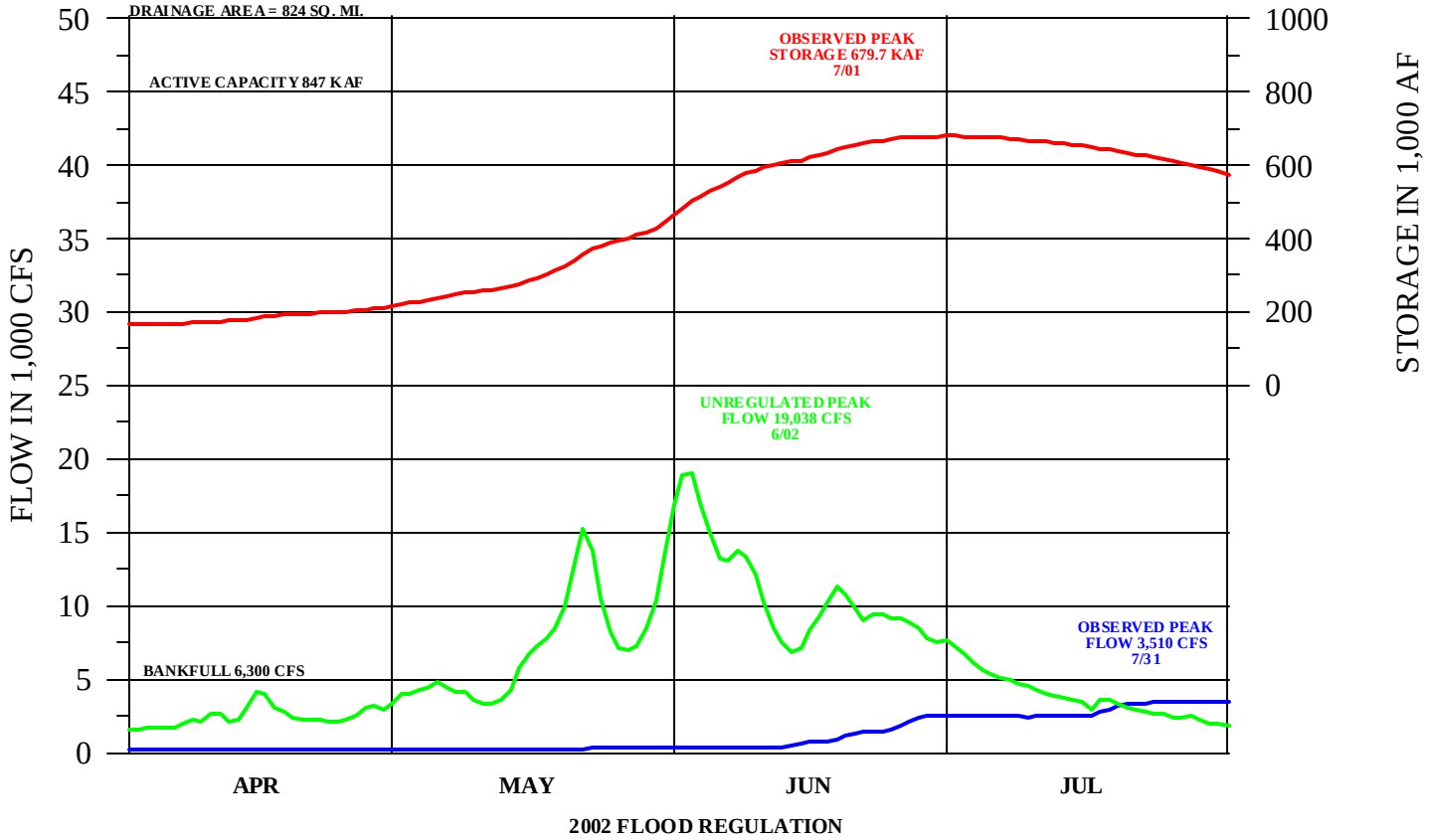
PEND OREILLE RIVER AT PEND OREILLE LAKE, IDAHO

Chart 67



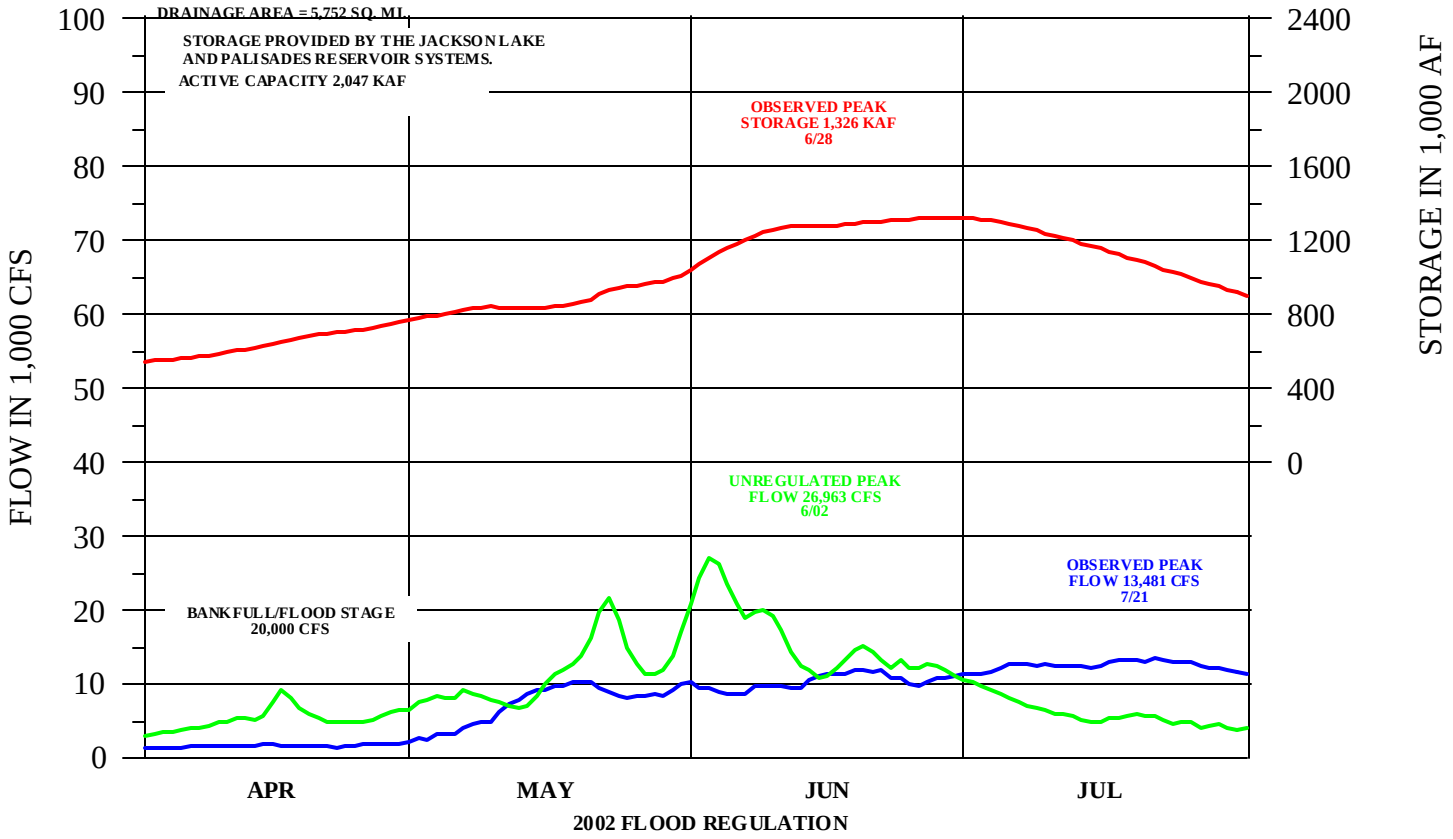
COLUMBIA RIVER AT GRAND COULEE PROJECT, WASHINGTON

Chart 68



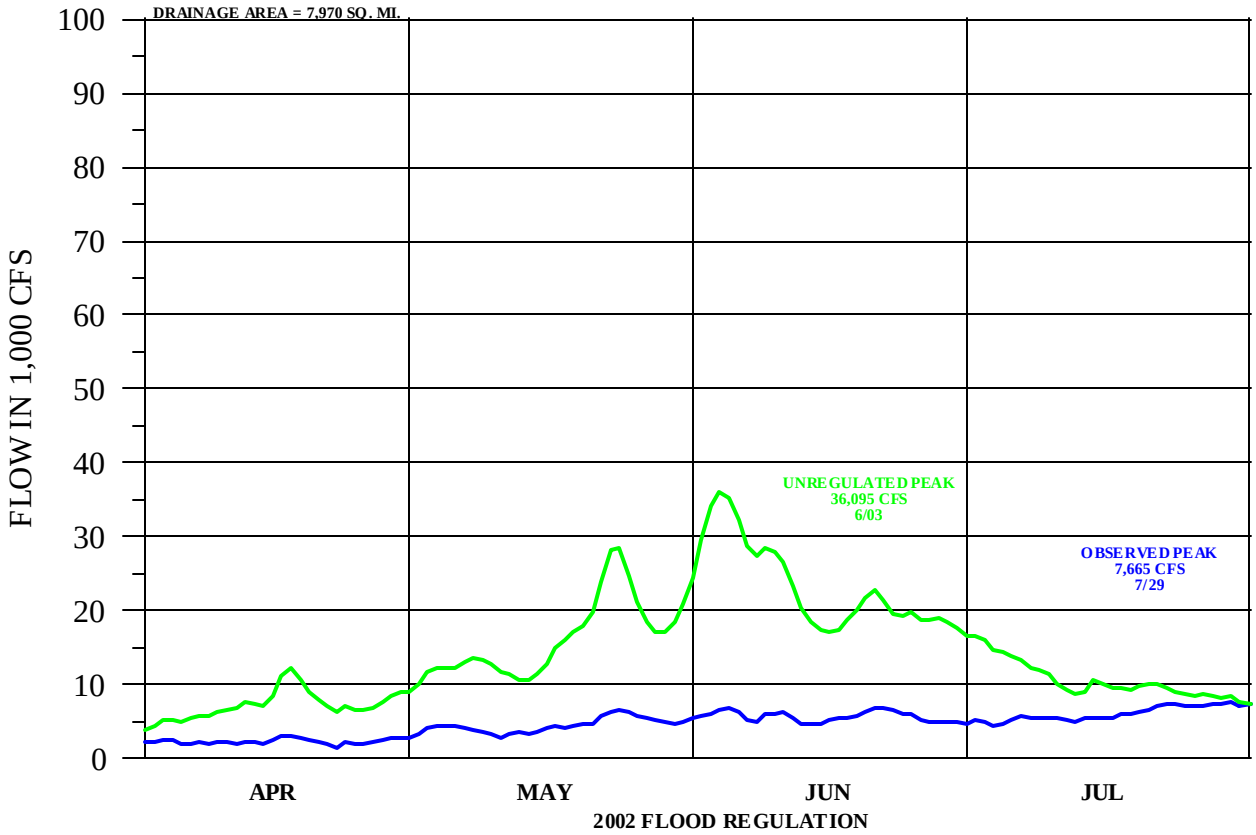
SNAKE RIVER BELOW JACKSON LAKE, WYOMING

Chart 69



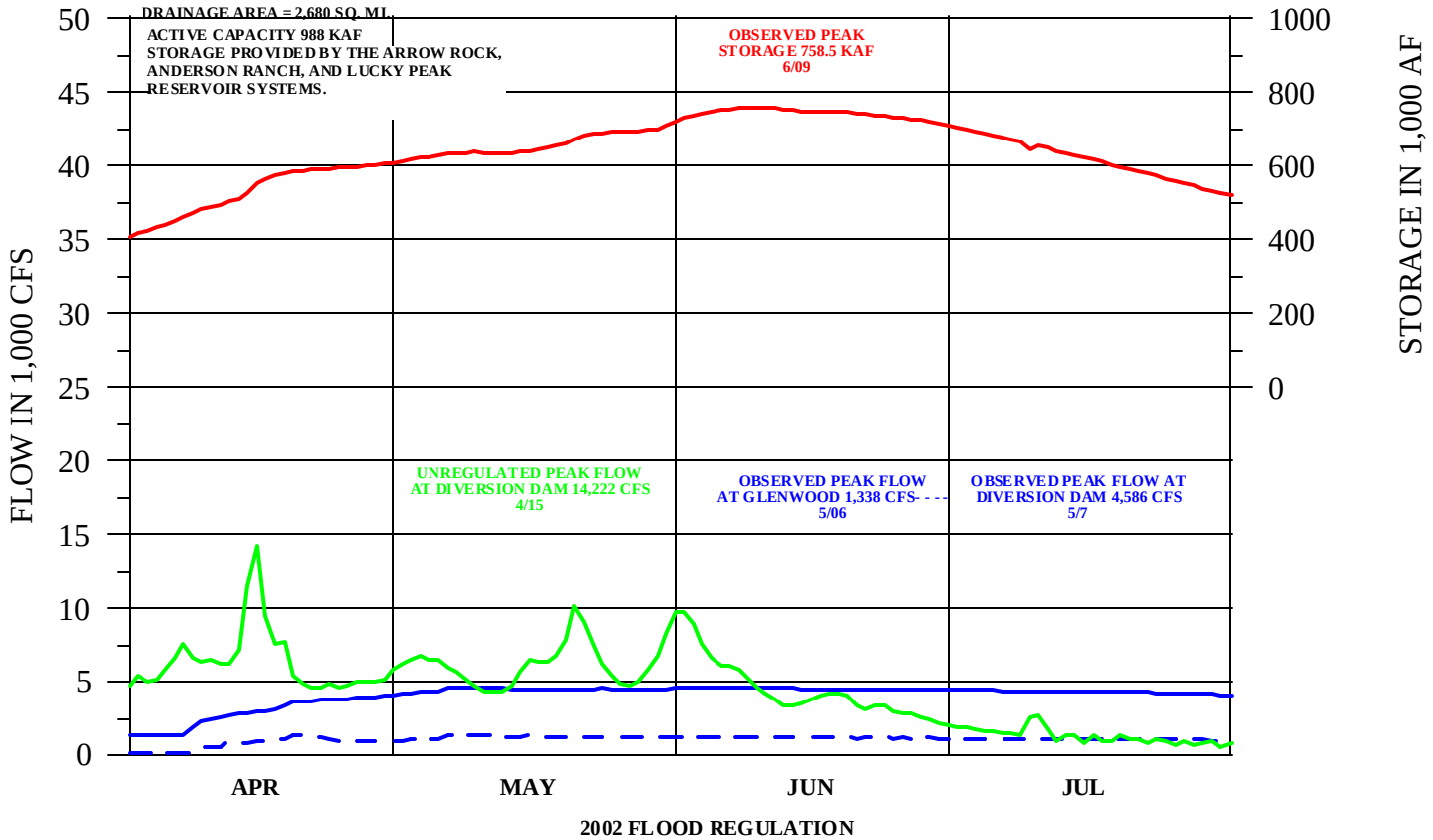
SNAKE RIVER NEAR HEISE, IDAHO

Chart 70



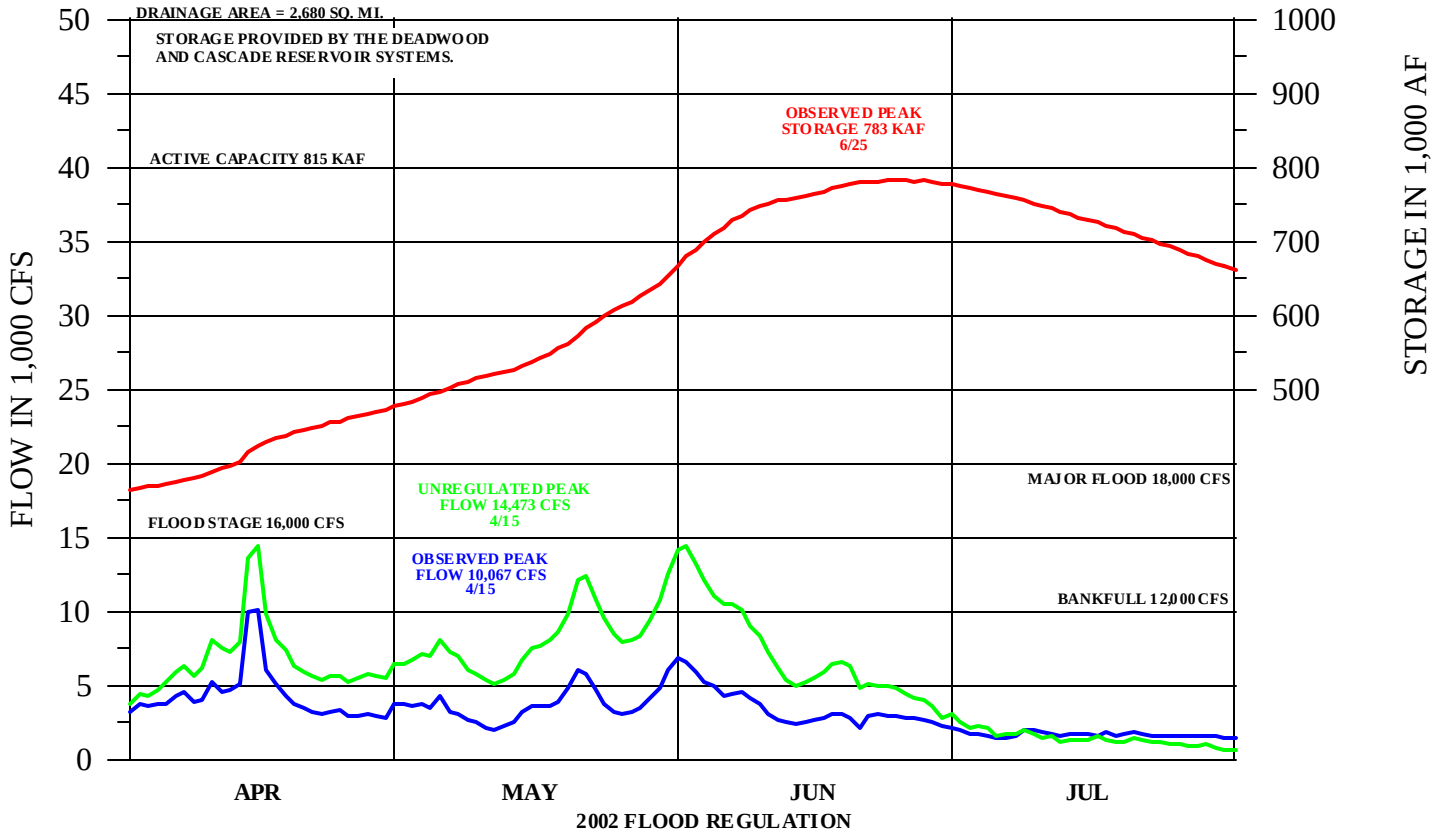
SNAKE RIVER NEAR SHELLEY, IDAHO

Chart 71



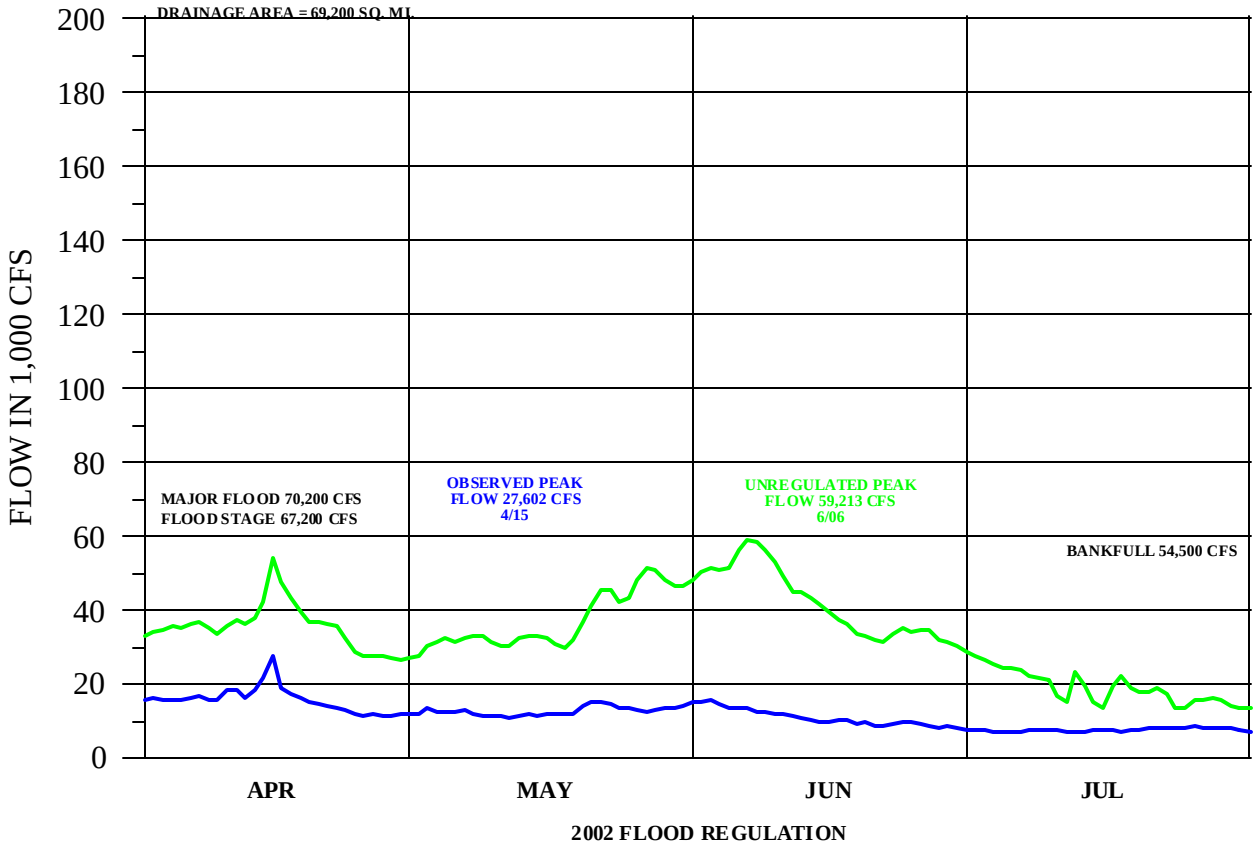
BOISE RIVER AT AND NEAR BOISE, IDAHO

Chart 72



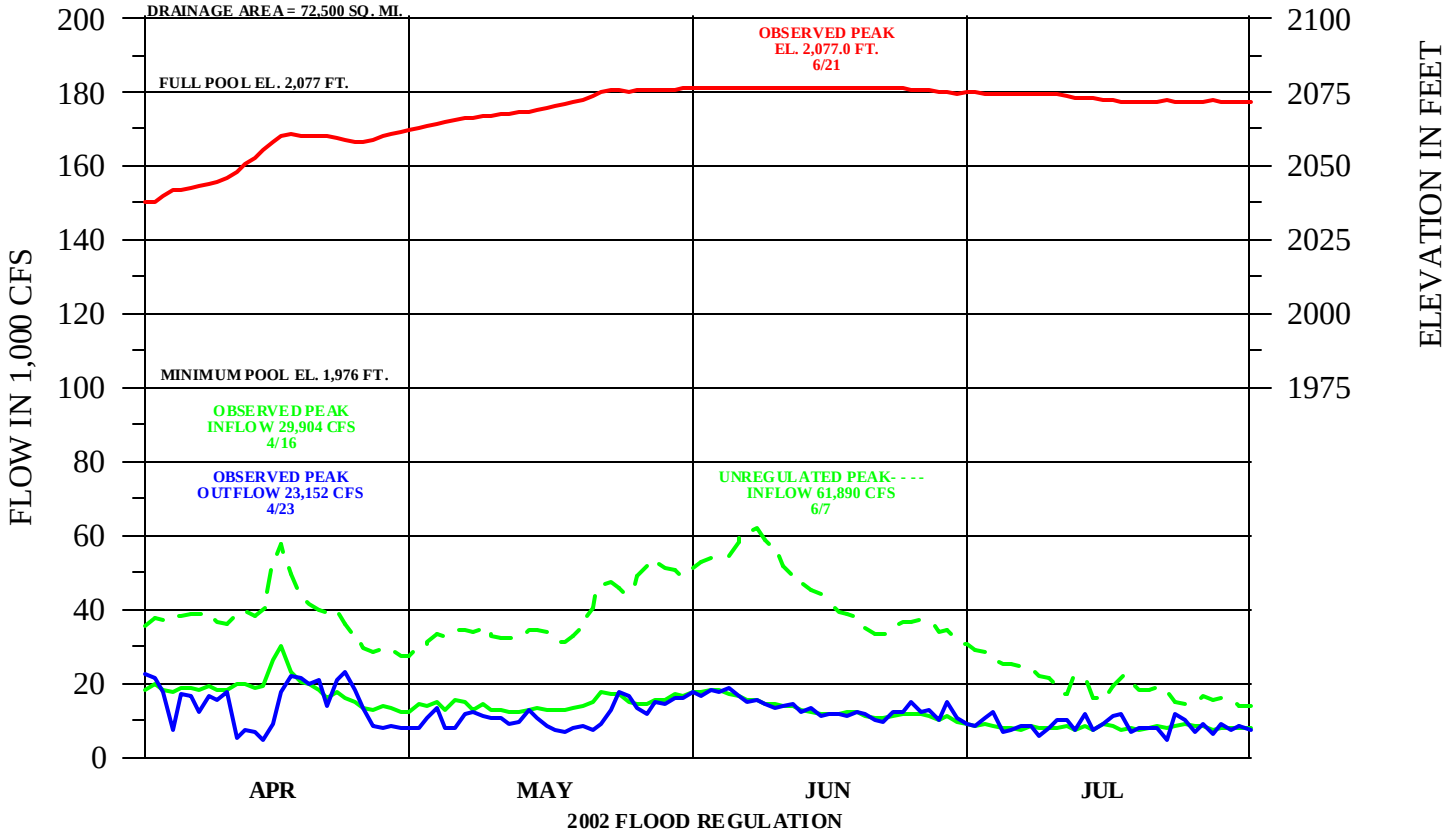
PAYETTE RIVER NEAR EMMETT, IDAHO

Chart 73



SNAKE RIVER AT WEISER, IDAHO

Chart 74



SNAKE RIVER AT BROWNLEE PROJECT, IDAHO-OREGON

Chart 75

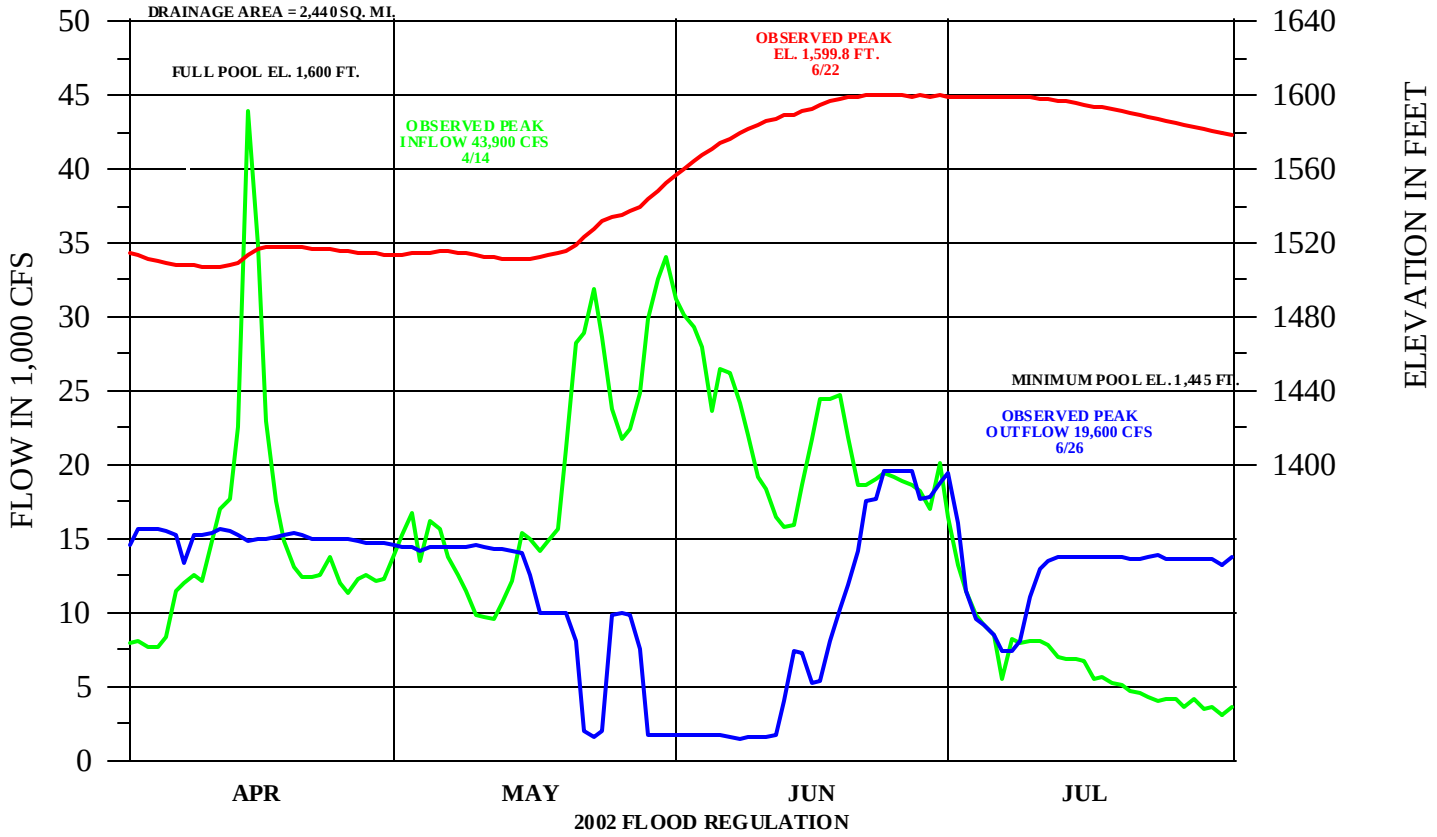
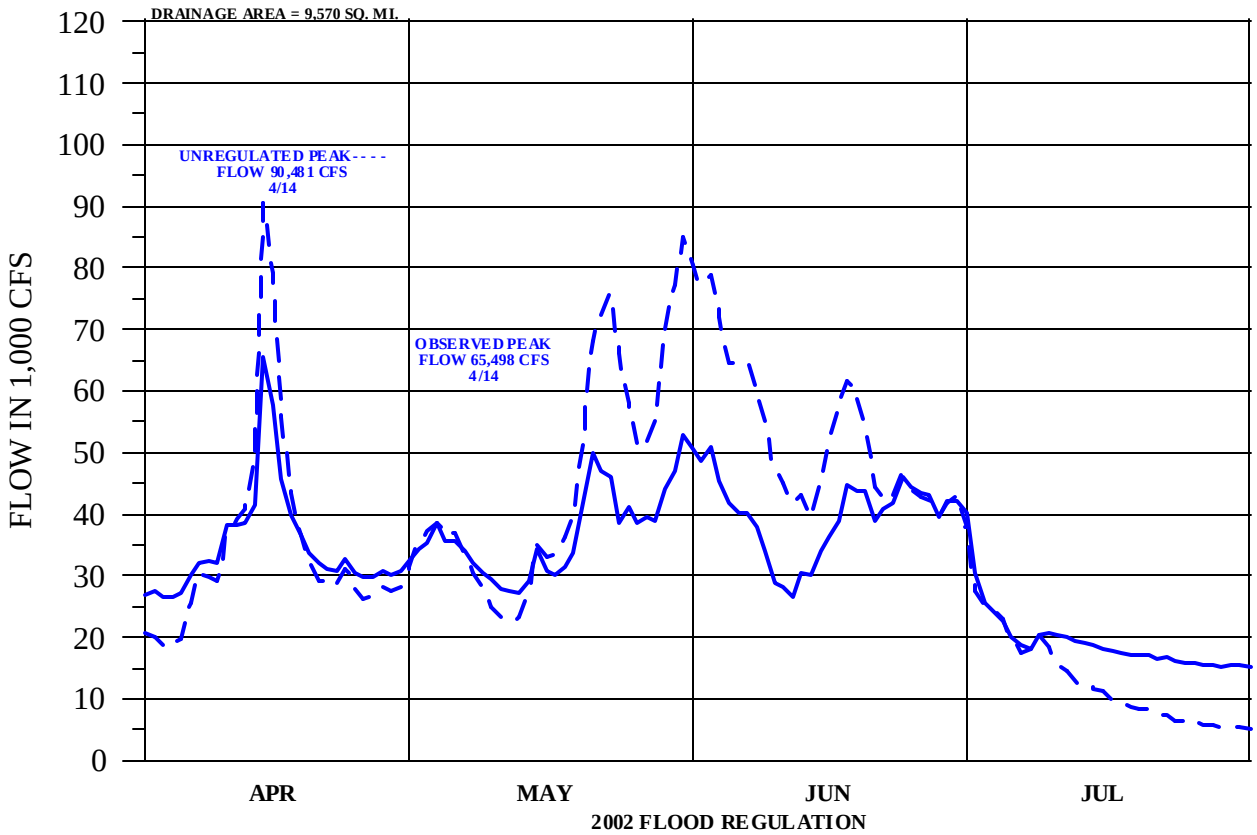


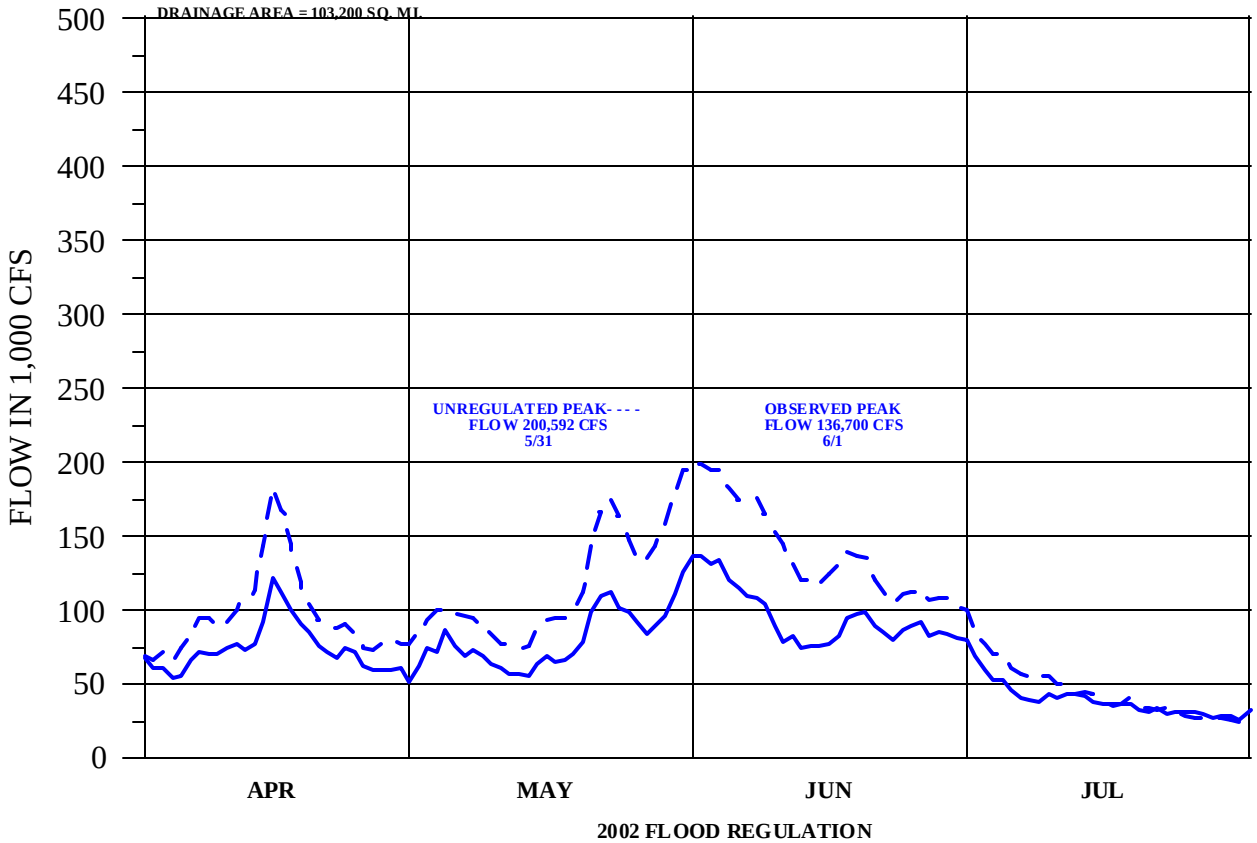
Chart 76

NORTH FORK CLEARWATER RIVER AT DWORSHAK PROJECT, IDAHO



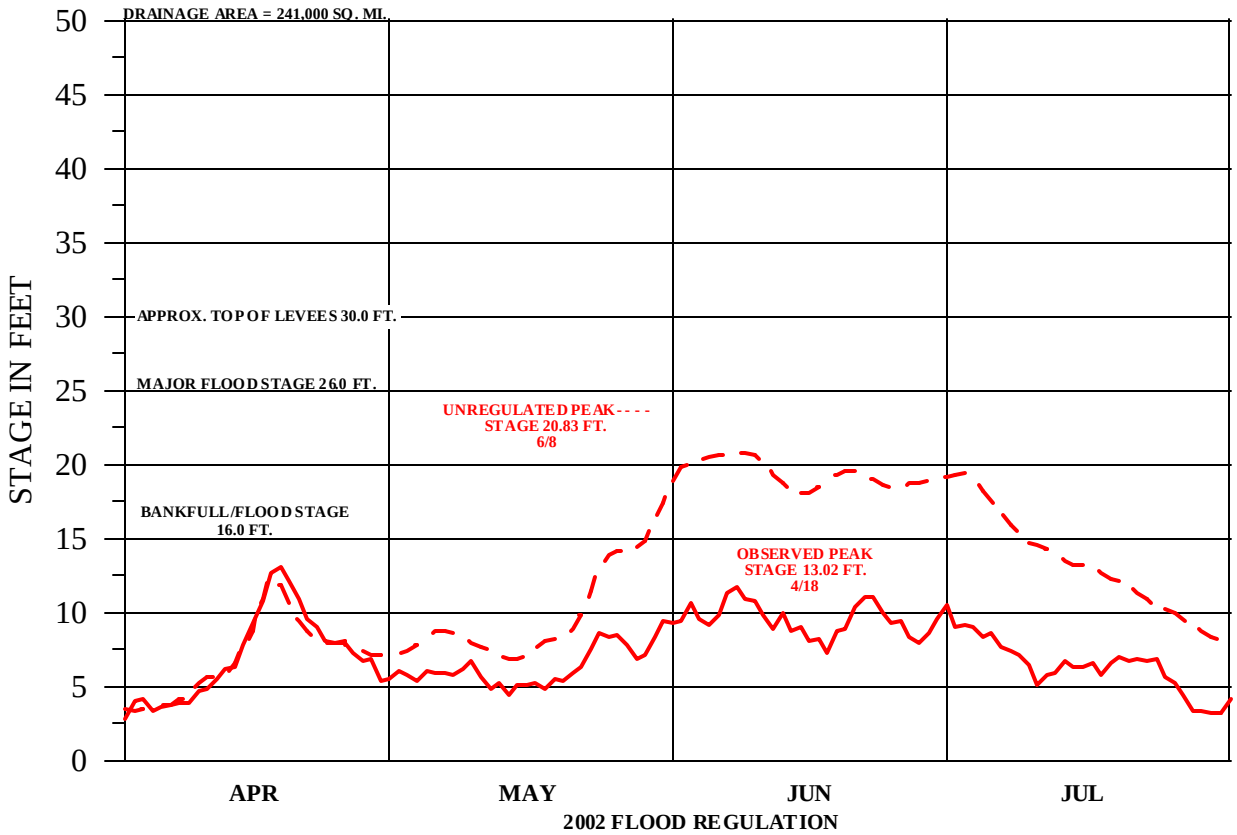
CLEARWATER RIVER AT SPALDING, IDAHO

Chart 77



SNAKE RIVER BELOW LOWER GRANITE DAM, WASHINGTON

Chart 78



COLUMBIA RIVER AT VANCOUVER, WASHINGTON

Chart 79

2002 FLOOD REGULATION
Columbia River at The Dalles

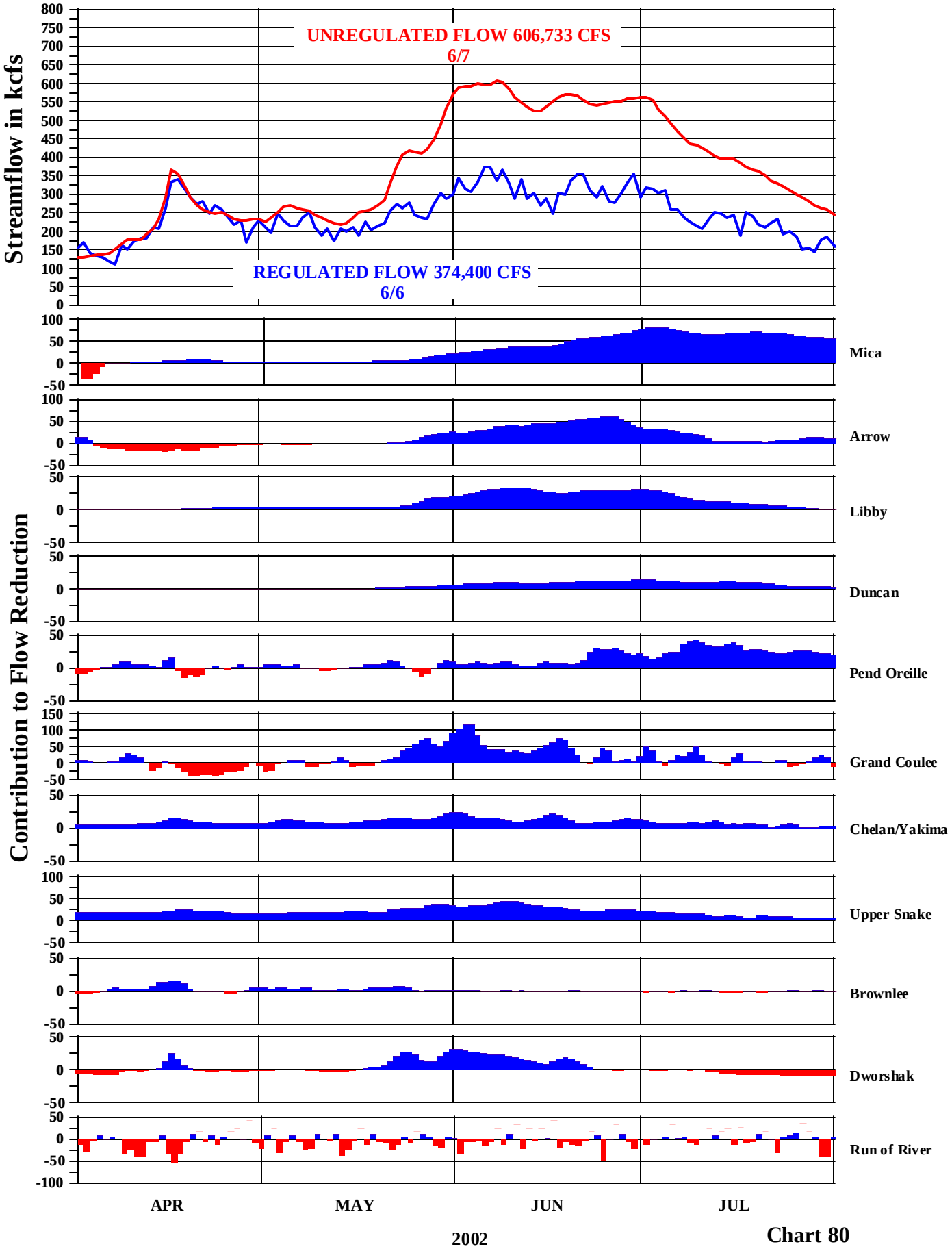
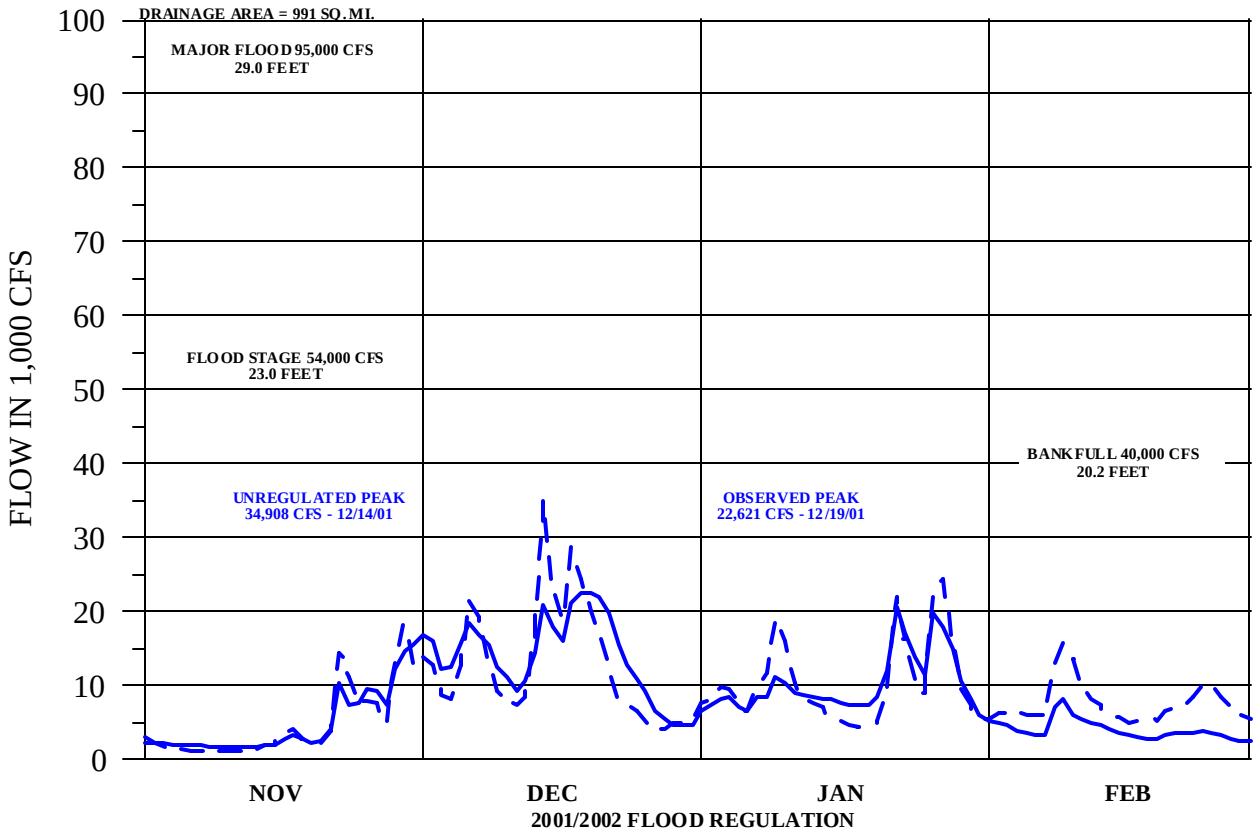
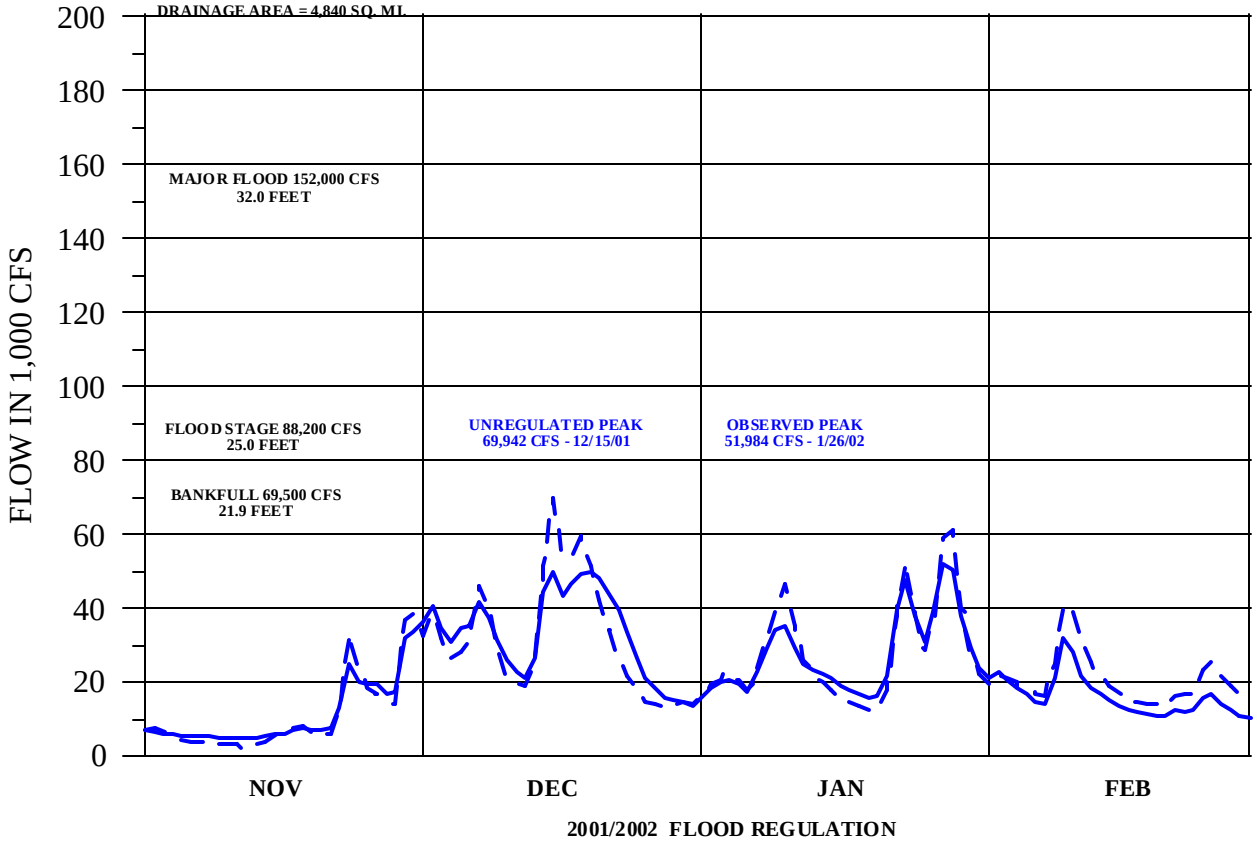


Chart 80



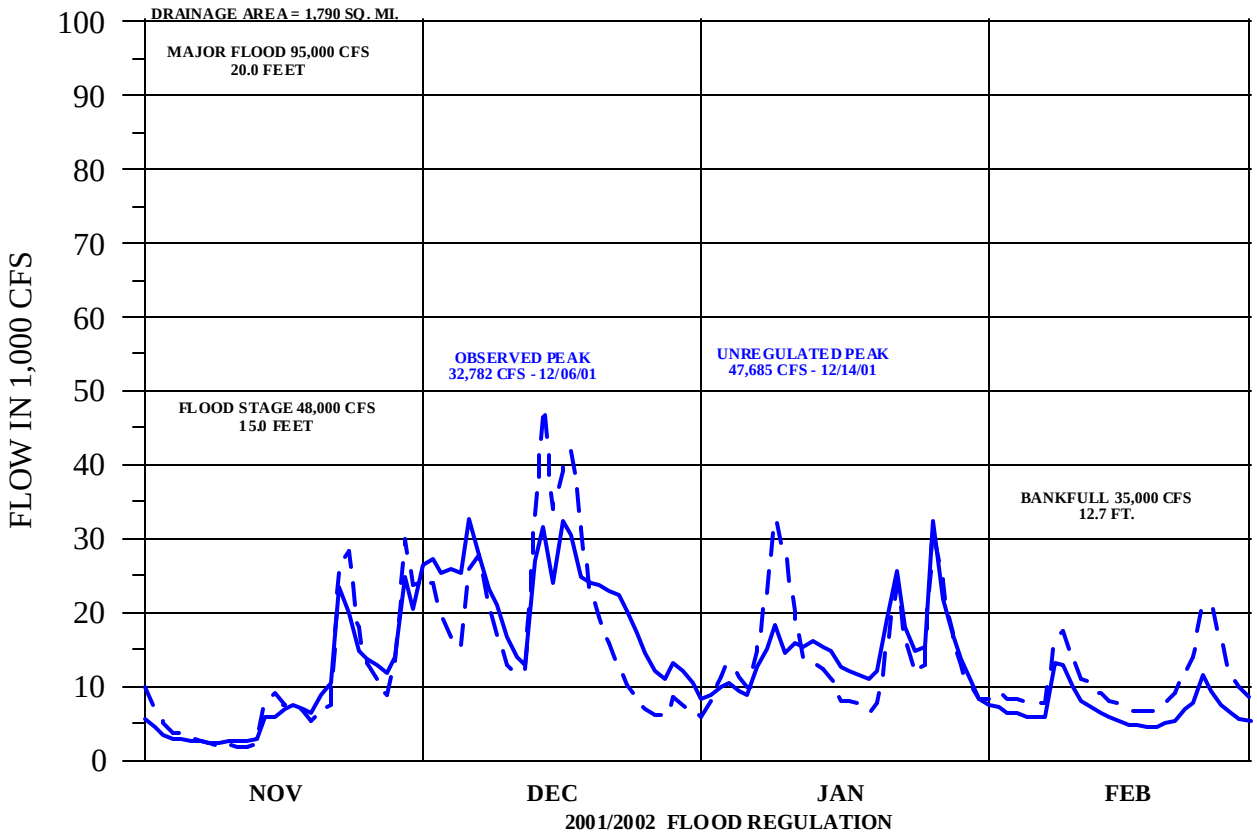
WILLAMETTE RIVER AT EUGENE, OREGON

Chart 81



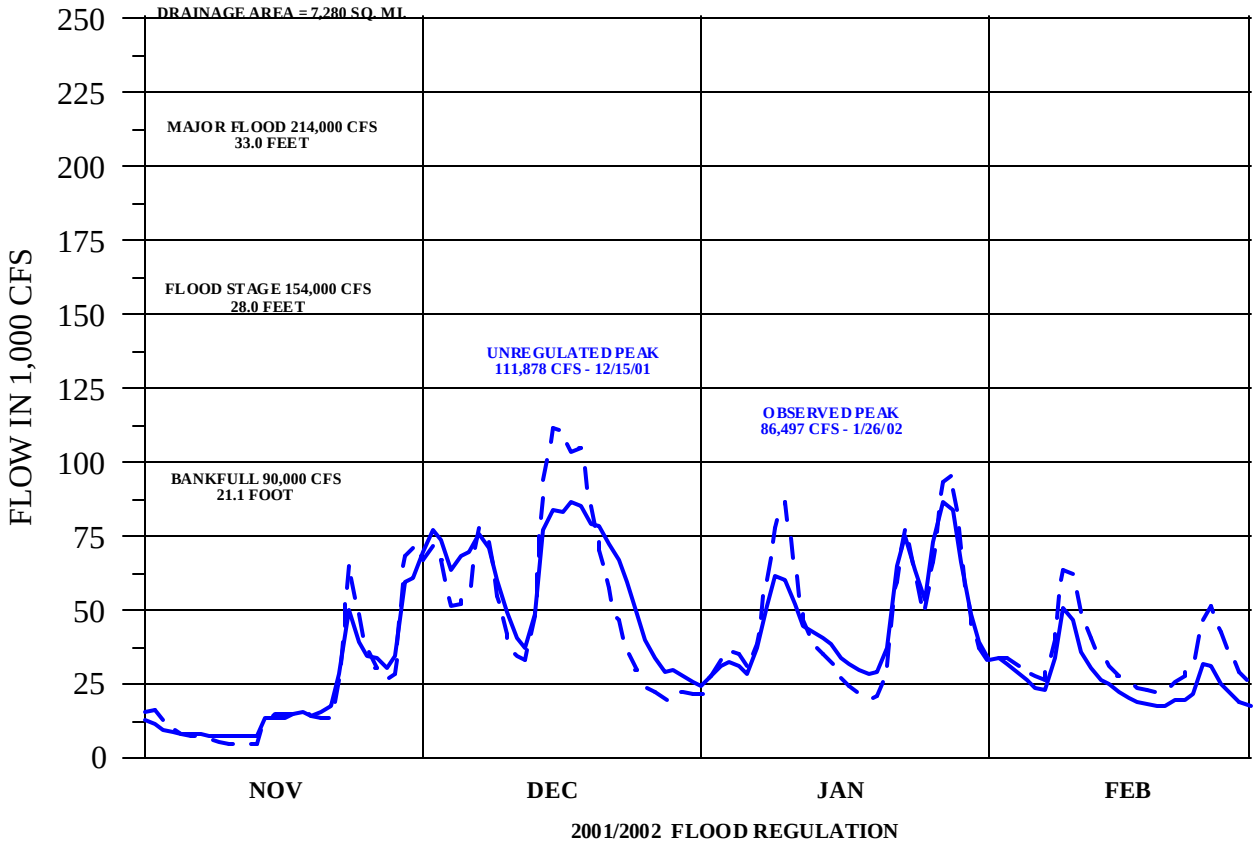
WILLAMETTE RIVER AT ALBANY, OREGON

Chart 82



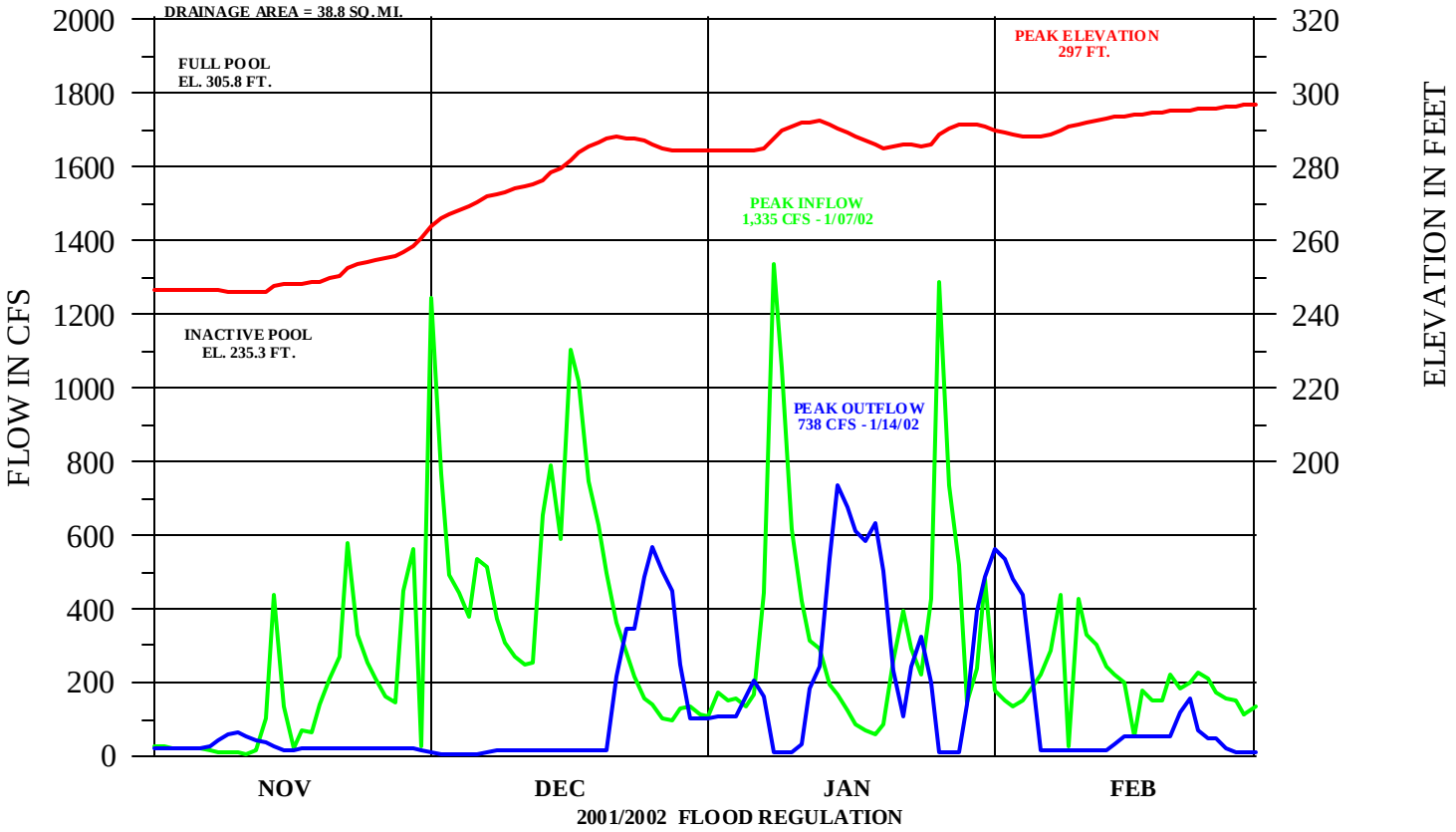
SANTIAM RIVER AT JEFFERSON, OREGON

Chart 83



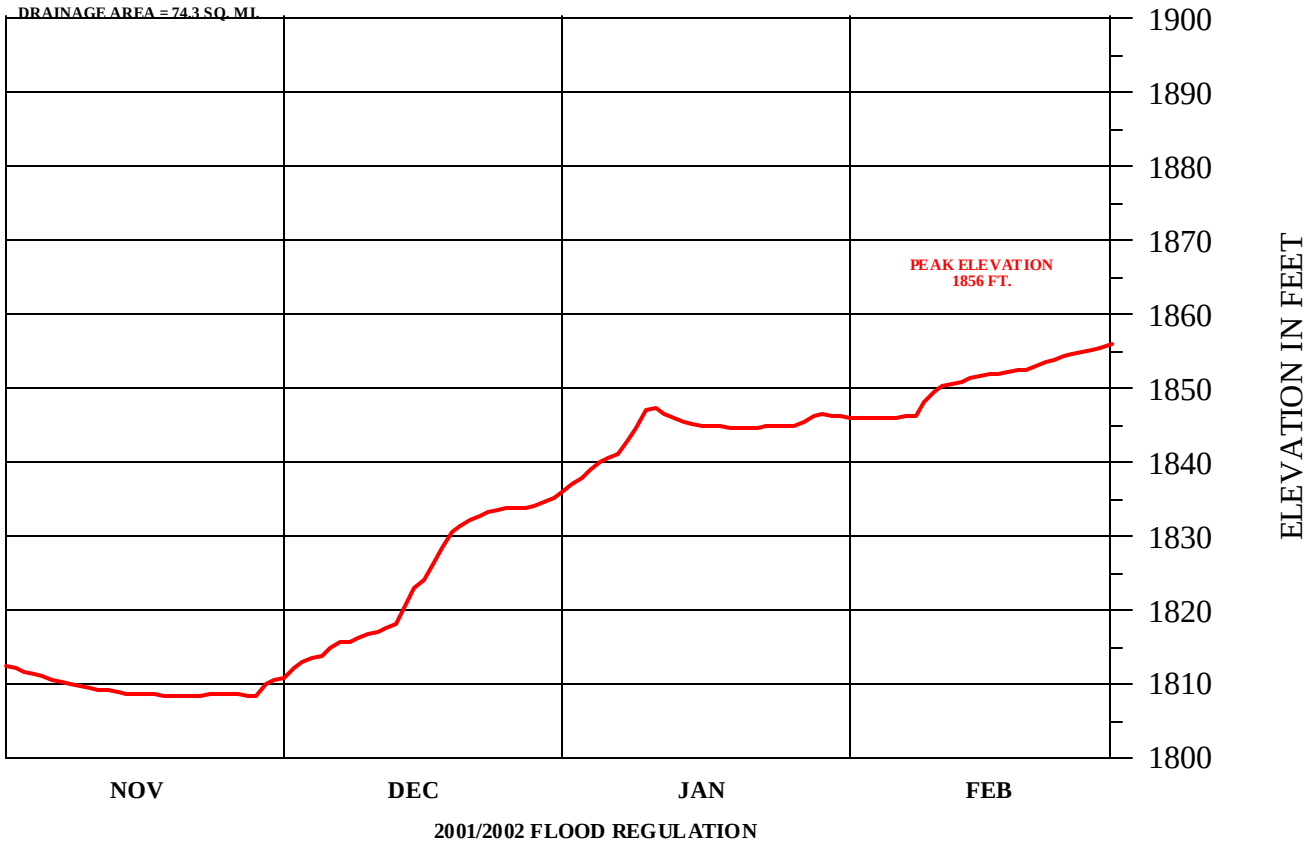
WILLAMETTE RIVER AT SALEM, OREGON

Chart 84



SCOGGINS DAM & HENRY HAGG LAKE NEAR GASTON, OREGON

Chart 85



GALESVILLE RESERVOIR NEAR AZALEA, OREGON

Chart 86

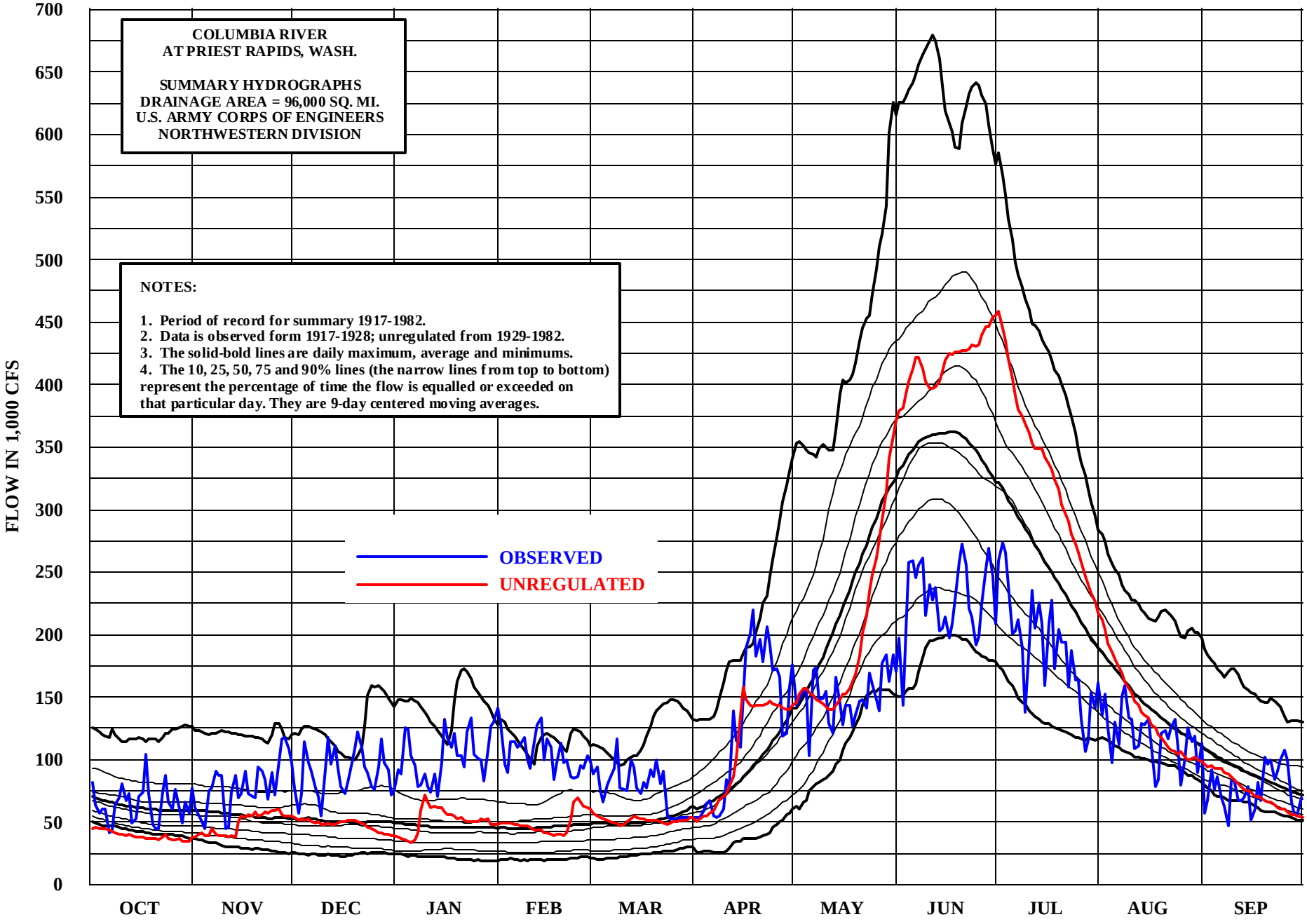

COLUMBIA RIVER
AT PRIEST RAPIDS, WASH.
SUMMARY HYDROGRAPHS
DRAINAGE AREA = 96,000 SQ. MI.
U.S. ARMY CORPS OF ENGINEERS
NORTHWESTERN DIVISION
NOTES:
1. Period of record for summary 1917-1982.
2. Data is observed form 1917-1928; unregulated from 1929-1982.
3. The solid-bold lines are daily maximum, average and minimums.
4. The 10, 25, 50, 75 and 90% lines (the narrow lines from top to bottom) represent the percentage of time the flow is equalled or exceeded on that particular day. They are 9-day centered moving averages.
OBSERVED
UNREGULATED
FLOW IN 1,000 CFS
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP

CHART 87

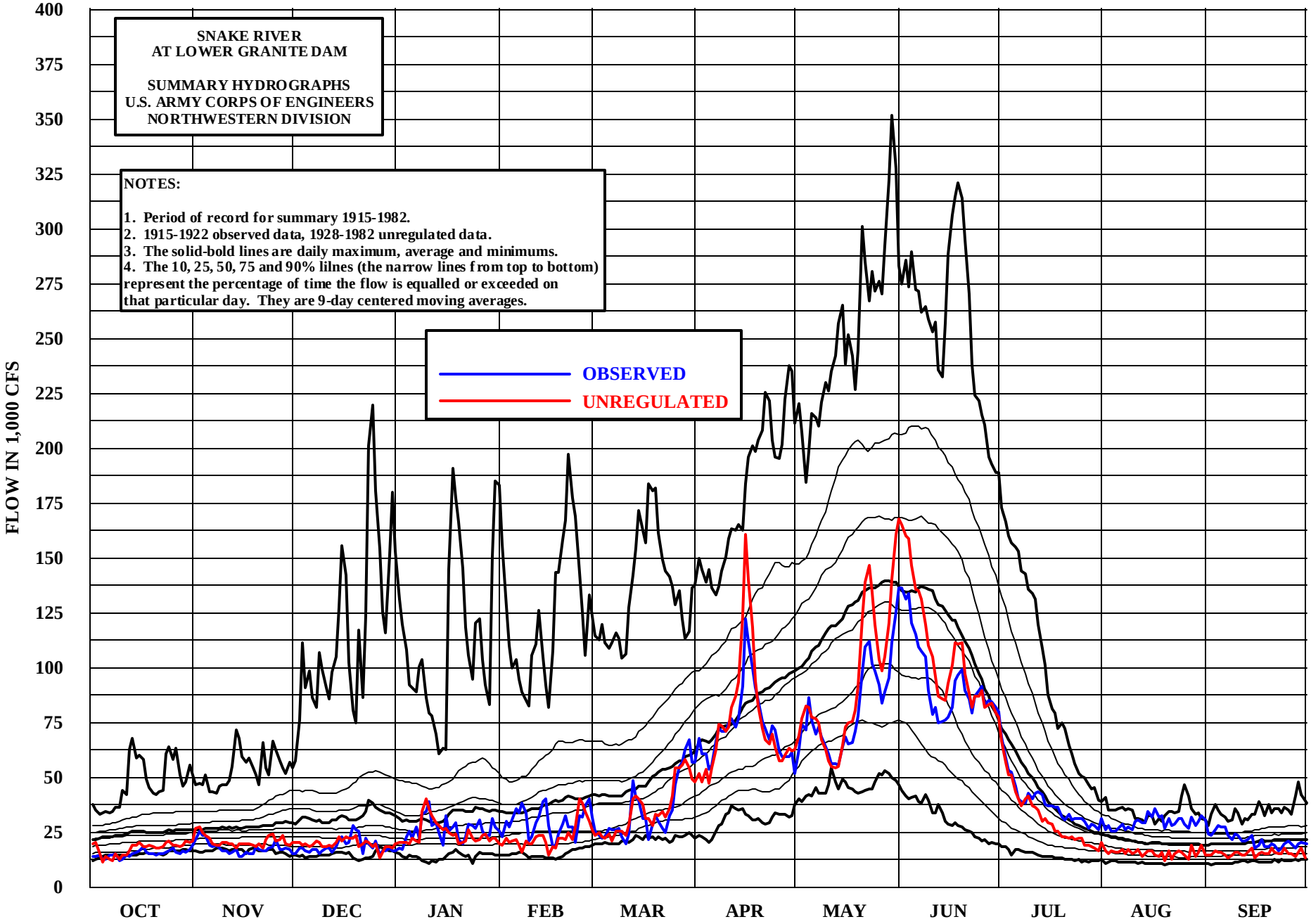

SNAKE RIVER
AT LOWER GRANITE DAM
SUMMARY HYDROGRAPHS
U.S. ARMY CORPS OF ENGINEERS
NORTHWESTERN DIVISION
NOTES:
1. Period of record for summary 1915-1982.
2. 1915-1922 observed data, 1928-1982 unregulated data.
3. The solid-bold lines are daily maximum, average and minimums.
4. The 10, 25, 50, 75 and 90% lilnes (the narrow lines from top to bottom) represent the percentage of time the flow is equalled or exceeded on that particular day. They are 9-day centered moving averages.
OBSERVED
UNREGULATED
FLOW IN 1,000 CFS
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP

CHART 88

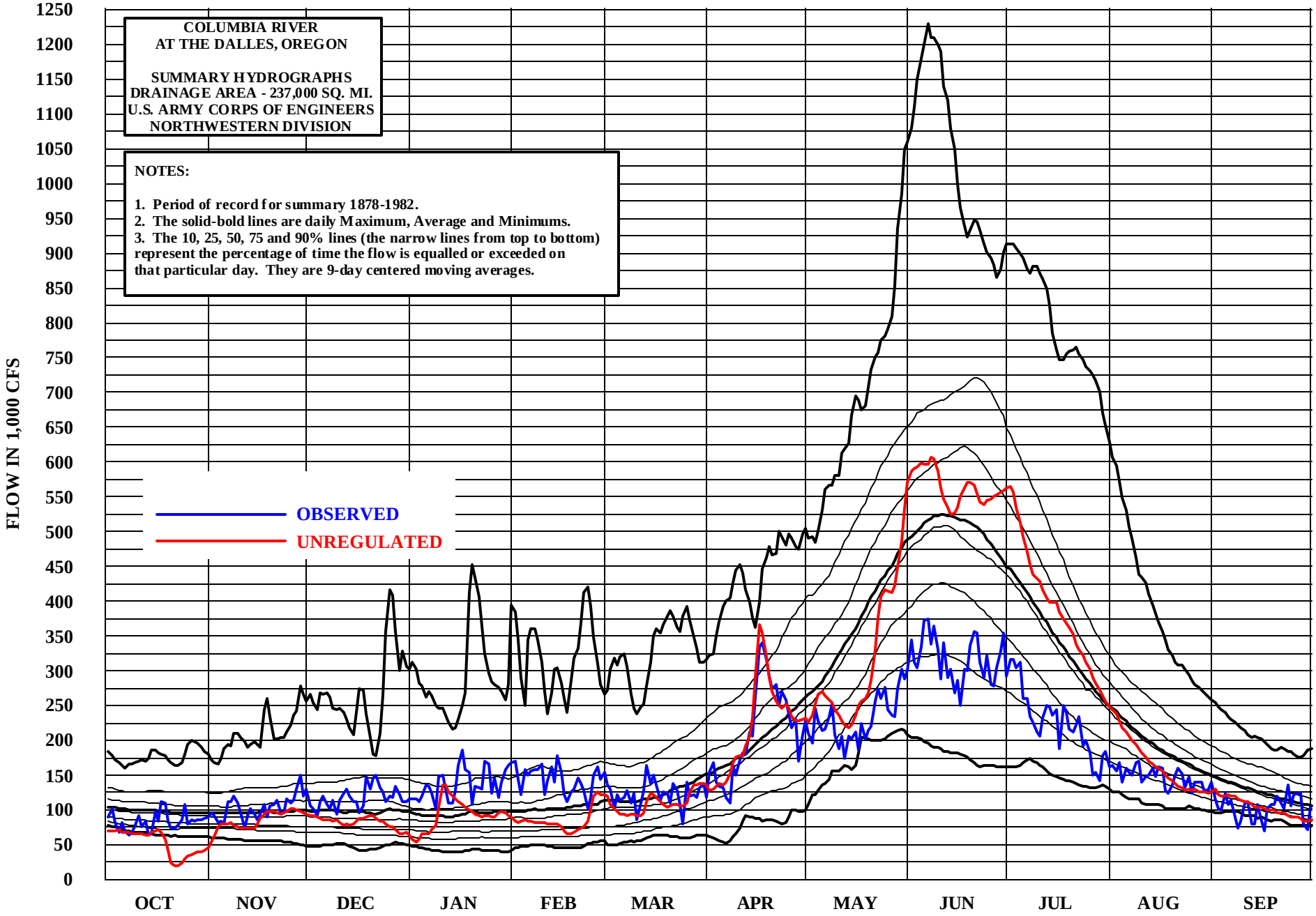

COLUMBIA RIVER
AT THE DALLES, OREGON
SUMMARY HYDROGRAPHS
DRAINAGE AREA - 237,000 SQ. MI.
U.S. ARMY CORPS OF ENGINEERS
NORTHWESTERN DIVISION
NOTES:
1. Period of record for summary 1878-1982.
2. The solid-bold lines are daily Maximum, Average and Minimums.
3. The 10, 25, 50, 75 and 90% lines (the narrow lines from top to bottom) represent the percentage of time the flow is equalled or exceeded on that particular day. They are 9-day centered moving averages.
OBSERVED
UNREGULATED
FLOW IN 1,000 CFS
1250
1200
1150
1100
1050
1000
950
900
850
800
750
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP

CHART 89

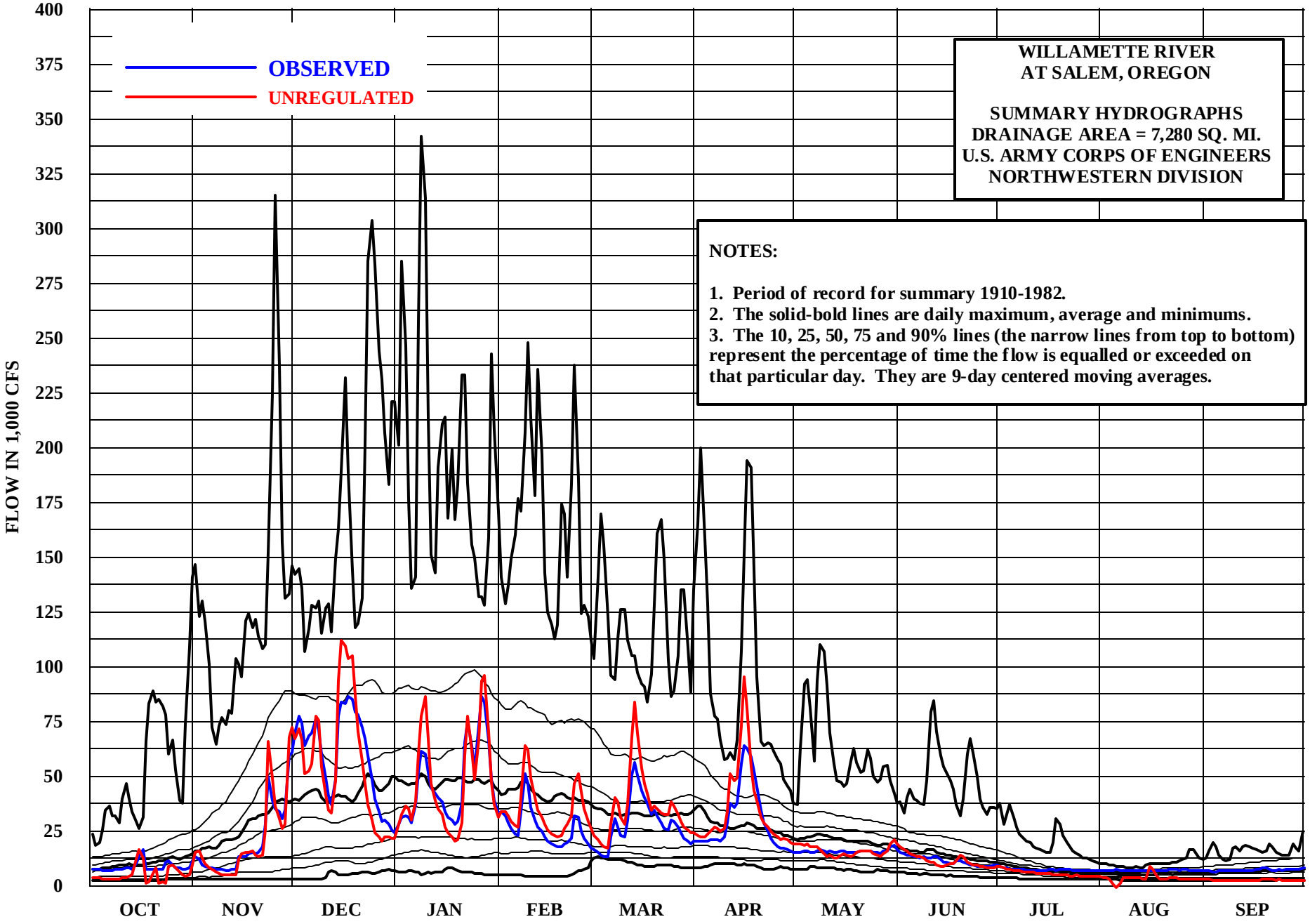

OBSERVED
UNREGULATED
WILLAMETTE RIVER
AT SALEM, OREGON
SUMMARY HYDROGRAPHS
DRAINAGE AREA = 7,280 SQ. MI.
U.S. ARMY CORPS OF ENGINEERS
NORTHWESTERN DIVISION
NOTES:
1. Period of record for summary 1910-1982.
2. The solid-bold lines are daily maximum, average and minimums.
3. The 10, 25, 50, 75 and 90% lines (the narrow lines from top to bottom) represent the percentage of time the flow is equalled or exceeded on that particular day. They are 9-day centered moving averages.
FLOW IN 1,000 CFS
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP

CHART 90