

Table 18

SUMMARY OF FLOOD DAMAGE OBSERVED AND PREVENTED
Columbia River and Tributaries

POINT	RIVER	UNREGULATED ¹			OBSERVED			CALCULATED DAMAGES	
		Flow (kcfs)	Stage (ft)	Date	Flow (kcfs)	Stage (ft)	Date	\$1000	
								Obs	Prev'd ²
Bonnery Fry, ID	Kootenai	84.6	72.5	28 May	39.5	60.5	28 May	0	2,930
Columbia Fls, MT	Flathead	43.1		27 May	26.9		28 May	0	0
Hope, ID	Pend Oreille		2058.4	2-3 Jun		2062.6	30-31 May	0	0
Newport, WA	Pend Oreille	72.2		2-3 Jun	69.0		30 May	0	0
Cle Elum, WA	Yakima	9.18*		1 May*	4.83*		5 May*	0	0
Parker, WA	Yakima	26.8		3 May	13.9		6-7 May	0	0
Flat Creek, WY	Snake	18.0		14 Jun	15.3		4 Jul	17	5,333
Heise, ID	Snake	27.0		15 Jun	19.2		5-7 Jun	0	133
Shelly, ID	Snake	38.2		16 Jun	20.9		24 May	150	26,123
Carey, ID	Little Wood	3.68		1 Jul	3.67		1 Jul	0	25
Boise, ID	Boise	14.2		27 May	8.3		2 Jun	1,276	29,587
Owyhee, OR	Owyhee	12.1		14 May	10.2		16 May	0	123
Emmett, ID	Payette	20.7		27 May	17.0		27 May	0	508
Weiser, ID	Snake	111.0		28 May	77.7		28 May	0	15,324
Spalding, ID	Clearwater	59.8		8 May	50.8		23 May	0	0
Lwr Granite, WA	Snake	245.0		28 May	213.0		27 May	0	2,047
The Dalles, OR ³	Columbia	617.		29 May	442.0		30 May	0	5,952
Vancouver, WA	Columbia		22.3	31 May		14.8	1 Jun		
COLUMBIA BASIN SUBTOTAL								1,443	88,085
Salem, OR	Willamette	105.	23.2	18 Jan	90.2	21.3	15 Jan	0	979
GRAND TOTAL								1,443	89,064

¹ In the Columbia River Basin, flows are those which would have resulted without regulation by Mica, Libby, Duncan, Arrow Lakes, Hungry Horse, Flathead, Noxon Rapids, Pend Oreille, Grand Coulee, Chelan, Jackson Lake, Palisades, American Falls, Dworshak, run-of-river projects, Grand Coulee pumping, and major irrigation diversions in the Snake and Yakima River Basins.

In the Willamette and western Washington Basins, flows are those which would have resulted without regulation by Hills Creek, Lookout Point, Falls Creek, Cottage Grove, Dorena, Fern Ridge, Blue River, Cougar, Detroit, Green Peter, Foster, Howard Hanson, Mud Mountain, Wynoochee, and Mossyrock Projects.

² Damages prevented are those prevented by reservoirs and diversions noted above. Additional damages prevented by levees and channel improvements are not included in the prevented amounts. Observed damages in uncontrolled tributaries are not included.

³ Damages are included in the Vancouver, WA values.

* The unregulated winter flood was slightly higher than the snowmelt flood: 31 Oct 1997 unregulated peak 9.55 kcfs with an corresponding observed peak of 1.74 kcfs on 1 Nov 1997.