

Table 16

SUMMARY OF FLOOD DAMAGE OBSERVED AND PREVENTED
Columbia River and Tributaries
2003 Water Year

POINT	RIVER	UNREGULATED ¹			OBSERVED			CALCULATED DAMAGES	
		Flow (kcfs)	Stage (ft)	Date	Flow (kcfs)	Stage (ft)	Date	\$1000	
								Obsv'd	Prev'd ²
Bonnars Fry, ID	Kootenai		68.3	31-MAY		57.1	10-JUN	0	857
Columbia Falls, MT	Flathead	57.5		30-MAY	37.3		29-MAY	0	0
Hope, ID	Pend Oreille		2059.0	6-JUN		2062.5	17-JUL	0	0
Newport, WA	Pend Oreille	76.7		6-JUN	67.8		4-JUN	0	0
Cle Elum, WA	Yakima	25.9		9-DEC	4.9		31-JAN	0	139
Parker, WA	Yakima	34.0		1-FEB	20.2		31-JAN	0	2,614
Flat Creek, WY	Snake	22.1		30-MAY	12.1		31-MAY	0	6,630
Heise, ID	Snake	31.4		30-MAY	15.1		24-JUL	0	2,016
Shelly, ID	Snake	39.6		31-MAY	10.0		28-JUL	0	30,926
Carey, ID	L Wood	3.1		31-OCT	0.51		31-MAY	0	16
Boise, ID	Boise	47.4		29-JAN	1.6		10-JUN	0	122,204
Owyhee, OR	Owyhee	78.9		17-APR	0.2		1-OCT	0	3,085
Emmett, ID	Payette	22.8		31-MAY	13.0		30-MAY	0	1,141
Weiser, ID	Snake	87.8		6-JUN	24.3		31-MAY	0	1,856
Spalding, ID	Clearwater	83.6		31-MAY	61.2		29-MAY	0	0
Lwr Granite, WA	Snake	282.1		31-MAY	208.2		31-MAY	0	3,101
The Dalles, OR ³	Columbia	592.3		1-JUN	354.2		31-MAY	0	8,311
Vancouver, WA	Columbia		20.8	2-JUN		13.4	2-FEB	0	0
					COLUMBIA BASIN SUBTOTAL			0	182,896
Salem, OR	Willamette	+		+	86.5		2-FEB	0	0
					GRAND TOTAL			0	182,896

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 River basin, flows are those which would have resulted without regulation by Hills Creek, Lookout Point, Fall Creek, Cottage Grove, Dorena, Fern Ridge, Blue River, Cougar, Detroit, Green Peter, and Foster.

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 prevented are included in the Vancouver, WA values.