

Water Supply Benefits
Phase I – Near Term Projects (0-10 Years) - DRAFT

	Estimated Water Supply Increase (TWSA)			Estimated Flow Benefits for 1994 (3 rd Year of Drought)			
	1992	1993	1994	April-Sept. flow @ Parker	April-Sept. flow @ Yakima Mouth	July-Oct. flow @ Umtanum	Flow Benefits
Conservation (YRBWEP Program)	36 KAF	16 KAF	0	Large increase (64 KAF)	Small increase	0	Improve flow in portions of Yakima River and Naches River
Wymer w/Thorp Pump Station (160 KAF)	0	0	80 KAF	Large increase (0-80 KAF)	Large increase (0-80 KAF)	Large decrease (67-135 KAF)	Improve flow in portions of Yakima River, Cle Elum River, & tributaries (Reecer, Wilson, Naneum, Cherry, and Coleman Creeks)
Bumping Lake Enlargement (200 KAF)	40 KAF	0	66 KAF	Increase (28 KAF)	Increase (28 KAF)	Small increase	Increase flows through Bumping, Naches, and Yakima Rivers
Inactive Storage (100 KAF extracted)	33 KAF	0	66 KAF	Increase (33 KAF)	Increase (33 KAF)	Small increase	Improve flow in portions of Yakima River
Cle Elum 3' pool raise (assume 15 KAF)	0	0	0	0	0	0	Improve flow in portions of Yakima River
Water markets and water banking	0 (Redistribute 20-50 KAF to water right buyers)	0 (Redistribute 20-50 KAF to water right buyers)	0 (Redistribute 20-50 KAF to water right buyers)	0	0	Small increase	
Ground water infiltration	20-50 KAF	20-50 KAF	20-50 KAF	No change or small increase	0	Small increase (10-20 KAF)	Small reduction in flip-flop releases, improve flow in some tribs (Wilson/Naneum), potential temperature improvements in lower Yakima,
COMBINED BENEFITS OF PHASE 1 PROJECTS	129-159 KAF (+20-50 KAF through water marketing)	36-66 KAF (+20-50 KAF through water marketing)	232-262 KAF (+20-50 KAF through water marketing)	Large increase (125-205 KAF)	Large increase (Approx. 70 – 150 KAF)	Large decrease (47-125 KAF)	Improve flows through Bumping River, Naches River, portions of upper and lower Yakima River, and upper Yakima tributaries