

# **APPENDIX K**

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## **83-Year Hydrologic Evaluation**

Table K-1. Projected Groundwater Yield in 2005 - No Project

[1]	[2]	[3]	[4]	[5]	[6]=[3]+[4]+[5]	[7]	[8]	[9]	[10]=[7]+[8]+[9]	[11]=[6]-[10]	[12]	[13]=[11]-[12]	[14]	[15]=[12]+[14]	[16]	[17]	[18]=[17]-[10]	[19]=[18]-[12]	[20]	[21]
Year	2006 Settlement Agreement (Steiner Report) Water Year Class	Surface Water Supply Reliability				Surface Water Treatment Capacity				Surface Water Recharge			Treated Effluent Percolated into Groundwater Basin <sup>(a)</sup>	Total Recharge	Mandatory Conservation	Projected Water Demand	Groundwater Required	Net Groundwater Required	Groundwater Pumped into FID Canal <sup>(b)</sup>	Total Groundwater Pumpage
		USBR Class 1 Entitlement	FID Entitlement	Exchange Water	Total Surface Water Supply	Existing Capacity	Phase 2	Phase 3	Total Future Treatment Capacity Used	Available Surface Water for Recharge	Intentional Recharge	In-Lieu Recharge Water								
1922	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1923	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1924	CH	25,200	54,900	13,800	93,900	30,800	0	0	30,800	63,100	51,200	11,900	65,100	116,300	23,592	157,278	102,887	51,687	30,000	132,887
1925	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1926	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1927	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1928	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1929	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1930	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1931	CH	25,200	54,900	13,800	93,900	30,800	0	0	30,800	63,100	51,200	11,900	65,100	116,300	23,592	157,278	102,887	51,687	30,000	132,887
1932	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1933	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1934	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1935	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1936	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1937	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1938	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1939	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1940	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1941	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1942	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1943	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1944	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1945	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1946	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1947	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1948	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1949	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1950	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1951	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1952	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1953	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1954	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1955	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1956	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1957	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1958	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1959	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1960	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1961	CH	25,200	54,900	13,800	93,900	30,800	0	0	30,800	63,100	51,200	11,900	65,100	116,300	23,592	157,278	102,887	51,687	30,000	132,887
1962	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1963	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1964	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1965	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1966	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1967	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1968	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1969	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1970	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1971	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1972	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1973	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1974	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1975	NW	60,000																		

[1]	[2]	[3]	[4]	[5]	[6]=[3]+[4]+[5]	[7]	[8]	[9]	[10]=[7]+[8]+[9]	[11]=[6]-[10]	[12]	[13]=[11]-[12]	[14]	[15]=[12]+[14]	[16]	[17]	[18]=[17]-[10]	[19]=[18]-[12]	[20]	[21]
Year	2006 Settlement Agreement (Steiner Report) Water Year Class	Surface Water Supply Reliability				Surface Water Treatment Capacity				Surface Water Recharge			Treated Effluent Percolated into Groundwater Basin <sup>(a)</sup>	Total Recharge	Mandatory Conservation	Projected Water Demand	Groundwater Required	Net Groundwater Required	Groundwater Pumped into FID Canal <sup>(b)</sup>	Total Groundwater Pumpage
		USBR Class 1 Entitlement	FID Entitlement	Exchange Water	Total Surface Water Supply	Existing Capacity	Phase 2	Phase 3	Total Future Treatment Capacity Used	Available Surface Water for Recharge	Intentional Recharge	In-Lieu Recharge Water								
1976	CH	25,200	54,900	13,800	93,900	30,800	0	0	30,800	63,100	51,200	11,900	65,100	116,300	23,592	157,278	102,887	51,687	30,000	132,887
1977	CL	13,900	47,800	13,800	75,500	30,800	0	0	30,800	44,700	44,700	0	65,100	109,800	23,592	157,278	102,887	58,187	30,000	132,887
1978	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1979	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1980	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1981	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1982	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1983	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1984	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1985	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1986	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1987	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1988	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1989	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1990	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1991	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1992	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1993	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1994	D	39,800	75,800	13,800	129,400	30,800	0	0	30,800	98,600	51,200	47,400	65,100	116,300	15,728	157,278	110,750	59,550	30,000	140,750
1995	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1996	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1997	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1998	W	60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
1999	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
2000	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
2001	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
2002	ND	56,200	84,400	13,800	154,400	30,800	0	0	30,800	123,600	51,200	72,400	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
2003	NW	60,000	100,800	13,800	174,600	30,800	0	0	30,800	143,800	51,200	92,600	65,100	116,300	0	157,278	126,478	75,278	30,000	156,478
Normal Year <sup>(c)</sup>		58,200	92,200	13,800	164,200	30,800	0	0	30,800	133,400	51,200	82,200		116,300			126,478	75,278		156,478
Maximum		60,000	110,600	13,800	184,400	30,800	0	0	30,800	153,600	51,200	102,400		116,300			126,478	75,278		156,478
Minimum		13,900	47,800	13,800	75,500	30,800	0	0	30,800	44,700	44,700	0		109,800			102,887	51,687		132,887

Table K-2. Projected Groundwater Yield in 2010 - No Project

[1]	[2]	[3]	[4]	[5]	[6]=[3]+[4]+[5]	[7]	[8]	[9]	[10]=[7]+[8]+[9]	[11]=[6]-[10]	[12]	[13]=[11]-[12]	[14]	[15]=[12]+[14]	[16]	[17]	[18]=[17]-[10]	[19]=[18]-[12]	[20]	[21]
Year	2006 Settlement Agreement (Steiner Report) Water Year Class	Surface Water Supply Reliability				Surface Water Treatment Capacity				Surface Water Recharge			Treated Effluent Percolated into Groundwater Basin <sup>(a)</sup>	Total Recharge	Mandatory Conservation	Projected Water Demand	Groundwater Required	Net Groundwater Required	Groundwater Pumped into FID Canal <sup>(b)</sup>	Total Groundwater Pumpage
		USBR Class 1 Entitlement	FID Entitlement	Exchange Water	Total Surface Water Supply	Existing Capacity	Phase 2	Phase 3	Total Future Treatment Capacity Used	Available Surface Water for Recharge	Intentional Recharge	In-Lieu Recharge Water								
1922	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1923	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1924	CH	25,200	56,500	13,800	95,500	30,800	0	0	30,800	64,700	51,200	13,500	65,100	116,300	25,785	171,900	115,315	64,115	30,000	145,315
1925	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1926	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1927	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1928	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1929	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1930	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1931	CH	25,200	56,500	13,800	95,500	30,800	0	0	30,800	64,700	51,200	13,500	65,100	116,300	25,785	171,900	115,315	64,115	30,000	145,315
1932	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1933	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1934	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1935	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1936	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1937	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1938	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1939	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1940	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1941	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1942	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1943	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1944	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1945	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1946	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1947	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1948	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1949	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1950	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1951	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1952	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1953	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1954	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1955	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1956	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1957	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1958	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1959	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1960	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1961	CH	25,200	56,500	13,800	95,500	30,800	0	0	30,800	64,700	51,200	13,500	65,100	116,300	25,785	171,900	115,315	64,115	30,000	145,315
1962	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1963	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1964	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1965	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1966	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1967	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1968	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1969	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1970	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1971	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1972	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1973	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1974	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1975	NW																			

[1]	[2]	[3]	[4]	[5]	[6]=[3]+[4]+[5]	[7]	[8]	[9]	[10]=[7]+[8]+[9]	[11]=[6]-[10]	[12]	[13]=[11]-[12]	[14]	[15]=[12]+[14]	[16]	[17]	[18]=[17]-[10]	[19]=[18]-[12]	[20]	[21]
Year	2006 Settlement Agreement (Steiner Report) Water Year Class	Surface Water Supply Reliability				Surface Water Treatment Capacity				Surface Water Recharge			Treated Effluent Percolated into Groundwater Basin <sup>(a)</sup>	Total Recharge	Mandatory Conservation	Projected Water Demand	Groundwater Required	Net Groundwater Required	Groundwater Pumped into FID Canal <sup>(b)</sup>	Total Groundwater Pumpage
		USBR Class 1 Entitlement	FID Entitlement	Exchange Water	Total Surface Water Supply	Existing Capacity	Phase 2	Phase 3	Total Future Treatment Capacity Used	Available Surface Water for Recharge	Intentional Recharge	In-Lieu Recharge Water								
1976	CH	25,200	56,500	13,800	95,500	30,800	0	0	30,800	64,700	51,200	13,500	65,100	116,300	25,785	171,900	115,315	64,115	30,000	145,315
1977	CL	13,900	49,200	13,800	76,900	30,800	0	0	30,800	46,100	46,100	0	65,100	111,200	25,785	171,900	115,315	69,215	30,000	145,315
1978	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1979	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1980	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1981	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1982	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1983	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1984	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1985	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1986	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1987	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1988	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1989	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1990	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1991	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1992	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1993	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1994	D	39,800	77,900	13,800	131,500	30,800	0	0	30,800	100,700	51,200	49,500	65,100	116,300	17,190	171,900	123,910	72,710	30,000	153,910
1995	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1996	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1997	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1998	W	60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
1999	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
2000	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
2001	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
2002	ND	56,200	86,800	13,800	156,800	30,800	0	0	30,800	126,000	51,200	74,800	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
2003	NW	60,000	103,700	13,800	177,500	30,800	0	0	30,800	146,700	51,200	95,500	65,100	116,300	0	171,900	141,100	89,900	30,000	171,100
Normal Year <sup>(c)</sup>		58,200	94,800	13,800	166,800	30,800	0	0	30,800	136,000	51,200	84,800		116,300			141,100	89,900		171,100
Maximum		60,000	113,800	13,800	187,600	30,800	0	0	30,800	156,800	51,200	105,600		116,300			141,100	89,900		171,100
Minimum		13,900	49,200	13,800	76,900	30,800	0	0	30,800	46,100	46,100	0		111,200			115,315	64,115		145,315

Table K-3. Projected Groundwater Yield in 2015 - No Project

[1]	[2]	[3]	[4]	[5]	[6]=[3]+[4]+[5]	[7]	[8]	[9]	[10]=[7]+[8]+[9]	[11]=[6]-[10]	[12]	[13]=[11]-[12]	[14]	[15]=[12]+[14]	[16]	[17]	[18]=[17]-[10]	[19]=[18]-[12]	[20]	[21]
Year	2006 Settlement Agreement (Steiner Report) Water Year Class	Surface Water Supply Reliability				Surface Water Treatment Capacity				Surface Water Recharge			Treated Effluent Percolated into Groundwater Basin <sup>(a)</sup>	Total Recharge	Mandatory Conservation	Projected Water Demand	Groundwater Required	Net Groundwater Required	Groundwater Pumped into FID Canal <sup>(b)</sup>	Total Groundwater Pumpage
		USBR Class 1 Entitlement	FID Entitlement	Exchange Water	Total Surface Water Supply	Existing Capacity	Phase 2	Phase 3	Total Future Treatment Capacity Used	Available Surface Water for Recharge	Intentional Recharge	In-Lieu Recharge Water								
1922	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1923	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1924	CH	25,200	62,800	13,800	101,800	30,800	0	0	30,800	71,000	51,200	19,800	65,100	116,300	29,880	199,200	138,520	87,320	30,000	168,520
1925	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1926	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1927	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1928	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1929	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1930	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1931	CH	25,200	62,800	13,800	101,800	30,800	0	0	30,800	71,000	51,200	19,800	65,100	116,300	29,880	199,200	138,520	87,320	30,000	168,520
1932	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1933	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1934	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1935	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1936	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1937	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1938	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1939	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1940	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1941	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1942	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1943	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1944	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1945	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1946	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1947	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1948	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1949	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1950	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1951	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1952	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1953	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1954	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1955	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1956	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1957	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1958	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1959	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1960	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1961	CH	25,200	62,800	13,800	101,800	30,800	0	0	30,800	71,000	51,200	19,800	65,100	116,300	29,880	199,200	138,520	87,320	30,000	168,520
1962	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1963	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1964	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1965	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1966	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1967	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1968	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1969	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1970	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1971	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1972	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1973	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1974	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	16			

[1]	[2]	[3]	[4]	[5]	[6]=[3]+[4]+[5]	[7]	[8]	[9]	[10]=[7]+[8]+[9]	[11]=[6]-[10]	[12]	[13]=[11]-[12]	[14]	[15]=[12]+[14]	[16]	[17]	[18]=[17]-[10]	[19]=[18]-[12]	[20]	[21]
Year	2006 Settlement Agreement (Steiner Report) Water Year Class	Surface Water Supply Reliability				Surface Water Treatment Capacity				Surface Water Recharge			Treated Effluent Percolated into Groundwater Basin <sup>(a)</sup>	Total Recharge	Mandatory Conservation	Projected Water Demand	Groundwater Required	Net Groundwater Required	Groundwater Pumped into FID Canal <sup>(b)</sup>	Total Groundwater Pumpage
		USBR Class 1 Entitlement	FID Entitlement	Exchange Water	Total Surface Water Supply	Existing Capacity	Phase 2	Phase 3	Total Future Treatment Capacity Used	Available Surface Water for Recharge	Intentional Recharge	In-Lieu Recharge Water								
1976	CH	25,200	62,800	13,800	101,800	30,800	0	0	30,800	71,000	51,200	19,800	65,100	116,300	29,880	199,200	138,520	87,320	30,000	168,520
1977	CL	13,900	54,600	13,800	82,300	30,800	0	0	30,800	51,500	51,200	300	65,100	116,300	29,880	199,200	138,520	87,320	30,000	168,520
1978	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1979	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1980	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1981	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1982	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1983	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1984	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1985	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1986	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1987	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1988	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1989	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1990	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1991	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1992	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1993	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1994	D	39,800	86,600	13,800	140,200	30,800	0	0	30,800	109,400	51,200	58,200	65,100	116,300	19,920	199,200	148,480	97,280	30,000	178,480
1995	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1996	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1997	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1998	W	60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
1999	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
2000	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
2001	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
2002	ND	56,200	96,500	13,800	166,500	30,800	0	0	30,800	135,700	51,200	84,500	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
2003	NW	60,000	115,200	13,800	189,000	30,800	0	0	30,800	158,200	51,200	107,000	65,100	116,300	0	199,200	168,400	117,200	30,000	198,400
Normal Year <sup>(c)</sup>		58,200	105,400	13,800	177,400	30,800	0	0	30,800	146,600	51,200	95,400		116,300			168,400	117,200		198,400
Maximum		60,000	126,400	13,800	200,200	30,800	0	0	30,800	169,400	51,200	118,200		116,300			168,400	117,200		198,400
Minimum		13,900	54,600	13,800	82,300	30,800	0	0	30,800	51,500	51,200	300		116,300			138,520	87,320		168,520

Table K-4. Projected Groundwater Yield in 2020 - No Project

[1]	[2]	[3]	[4]	[5]	[6]=[3]+[4]+[5]	[7]	[8]	[9]	[10]=[7]+[8]+[9]	[11]=[6]-[10]	[12]	[13]=[11]-[12]	[14]	[15]=[12]+[14]	[16]	[17]	[18]=[17]-[10]	[19]=[18]-[12]	[20]	[21]
Year	2006 Settlement Agreement (Steiner Report) Water Year Class	Surface Water Supply Reliability				Surface Water Treatment Capacity				Surface Water Recharge			Treated Effluent Percolated into Groundwater Basin <sup>(a)</sup>	Total Recharge	Mandatory Conservation	Projected Water Demand	Groundwater Required	Net Groundwater Required	Groundwater Pumped into FID Canal <sup>(b)</sup>	Total Groundwater Pumpage
		USBR Class 1 Entitlement	FID Entitlement	Exchange Water	Total Surface Water Supply	Existing Capacity	Phase 2	Phase 3	Total Future Treatment Capacity Used	Available Surface Water for Recharge	Intentional Recharge	In-Lieu Recharge Water								
1922	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1923	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1924	CH	25,200	69,100	13,800	108,100	30,800	0	0	30,800	77,300	51,200	26,100	65,100	116,300	34,365	229,100	163,935	112,735	30,000	193,935
1925	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1926	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1927	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1928	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1929	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1930	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1931	CH	25,200	69,100	13,800	108,100	30,800	0	0	30,800	77,300	51,200	26,100	65,100	116,300	34,365	229,100	163,935	112,735	30,000	193,935
1932	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1933	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1934	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1935	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1936	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1937	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1938	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1939	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1940	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1941	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1942	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1943	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1944	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1945	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1946	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1947	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1948	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1949	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1950	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1951	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1952	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1953	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1954	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1955	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1956	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1957	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1958	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1959	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1960	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1961	CH	25,200	69,100	13,800	108,100	30,800	0	0	30,800	77,300	51,200	26,100	65,100	116,300	34,365	229,100	163,935	112,735	30,000	193,935
1962	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1963	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1964	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1965	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1966	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1967	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1968	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1969	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1970	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1971	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1972	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1973	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1974	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,						



[1]	[2]	[3]	[4]	[5]	[6]=[3]+[4]+[5]	[7]	[8]	[9]	[10]=[7]+[8]+[9]	[11]=[6]-[10]	[12]	[13]=[11]-[12]	[14]	[15]=[12]+[14]	[16]	[17]	[18]=[17]-[10]	[19]=[18]-[12]	[20]	[21]
Year	2006 Settlement Agreement (Steiner Report) Water Year Class	Surface Water Supply Reliability				Surface Water Treatment Capacity				Surface Water Recharge			Treated Effluent Percolated into Groundwater Basin <sup>(a)</sup>	Total Recharge	Mandatory Conservation	Projected Water Demand	Groundwater Required	Net Groundwater Required	Groundwater Pumped into FID Canal <sup>(b)</sup>	Total Groundwater Pumpage
		USBR Class 1 Entitlement	FID Entitlement	Exchange Water	Total Surface Water Supply	Existing Capacity	Phase 2	Phase 3	Total Future Treatment Capacity Used	Available Surface Water for Recharge	Intentional Recharge	In-Lieu Recharge Water								
1976	CH	25,200	69,100	13,800	108,100	30,800	0	0	30,800	77,300	51,200	26,100	65,100	116,300	34,365	229,100	163,935	112,735	30,000	193,935
1977	CL	13,900	60,100	13,800	87,800	30,800	0	0	30,800	57,000	51,200	5,800	65,100	116,300	34,365	229,100	163,935	112,735	30,000	193,935
1978	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1979	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1980	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1981	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1982	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1983	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1984	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1985	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1986	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1987	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1988	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1989	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1990	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1991	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1992	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1993	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1994	D	39,800	95,300	13,800	148,900	30,800	0	0	30,800	118,100	51,200	66,900	65,100	116,300	22,910	229,100	175,390	124,190	30,000	205,390
1995	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1996	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1997	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1998	W	60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
1999	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
2000	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
2001	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
2002	ND	56,200	106,200	13,800	176,200	30,800	0	0	30,800	145,400	51,200	94,200	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
2003	NW	60,000	126,800	13,800	200,600	30,800	0	0	30,800	169,800	51,200	118,600	65,100	116,300	0	229,100	198,300	147,100	30,000	228,300
Normal Year <sup>(c)</sup>		58,200	115,900	13,800	187,900	30,800	0	0	30,800	157,100	51,200	105,900		116,300			198,300	147,100		228,300
Maximum		60,000	139,100	13,800	212,900	30,800	0	0	30,800	182,100	51,200	130,900		116,300			198,300	147,100		228,300
Minimum		13,900	60,100	13,800	87,800	30,800	0	0	30,800	57,000	51,200	5,800		116,300			163,935	112,735		193,935

Table K-5. Projected Groundwater Yield in 2025 - No Project

[1]	[2]	[3]	[4]	[5]	[6]=[3]+[4]+[5]	[7]	[8]	[9]	[10]=[7]+[8]+[9]	[11]=[6]-[10]	[12]	[13]=[11]-[12]	[14]	[15]=[12]+[14]	[16]	[17]	[18]=[17]-[10]	[19]=[18]-[12]	[20]	[21]
Year	2006 Settlement Agreement (Steiner Report) Water Year Class	Surface Water Supply Reliability				Surface Water Treatment Capacity				Surface Water Recharge			Treated Effluent Percolated into Groundwater Basin <sup>(a)</sup>	Total Recharge	Mandatory Conservation	Projected Water Demand	Groundwater Required	Net Groundwater Required	Groundwater Pumped into FID Canal <sup>(b)</sup>	Total Groundwater Pumpage
		USBR Class 1 Entitlement	FID Entitlement	Exchange Water	Total Surface Water Supply	Existing Capacity	Phase 2	Phase 3	Total Future Treatment Capacity Used	Available Surface Water for Recharge	Intentional Recharge	In-Lieu Recharge Water								
1922	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1923	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1924	CH	25,200	75,400	13,800	114,400	30,800	0	0	30,800	83,600	51,200	32,400	65,100	116,300	38,850	259,000	189,350	138,150	30,000	219,350
1925	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1926	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1927	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1928	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1929	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1930	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1931	CH	25,200	75,400	13,800	114,400	30,800	0	0	30,800	83,600	51,200	32,400	65,100	116,300	38,850	259,000	189,350	138,150	30,000	219,350
1932	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1933	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1934	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1935	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1936	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1937	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1938	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1939	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1940	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1941	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1942	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1943	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1944	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1945	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1946	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1947	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1948	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1949	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1950	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1951	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1952	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1953	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1954	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1955	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1956	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1957	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1958	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1959	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1960	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1961	CH	25,200	75,400	13,800	114,400	30,800	0	0	30,800	83,600	51,200	32,400	65,100	116,300	38,850	259,000	189,350	138,150	30,000	219,350
1962	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1963	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1964	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1965	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1966	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1967	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1968	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1969	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1970	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1971	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1972	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1973	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1974	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	13								

[1]	[2]	[3]	[4]	[5]	[6]=[3]+[4]+[5]	[7]	[8]	[9]	[10]=[7]+[8]+[9]	[11]=[6]-[10]	[12]	[13]=[11]-[12]	[14]	[15]=[12]+[14]	[16]	[17]	[18]=[17]-[10]	[19]=[18]-[12]	[20]	[21]
Year	2006 Settlement Agreement (Steiner Report) Water Year Class	Surface Water Supply Reliability				Surface Water Treatment Capacity				Surface Water Recharge			Treated Effluent Percolated into Groundwater Basin <sup>(a)</sup>	Total Recharge	Mandatory Conservation	Projected Water Demand	Groundwater Required	Net Groundwater Required	Groundwater Pumped into FID Canal <sup>(b)</sup>	Total Groundwater Pumpage
		USBR Class 1 Entitlement	FID Entitlement	Exchange Water	Total Surface Water Supply	Existing Capacity	Phase 2	Phase 3	Total Future Treatment Capacity Used	Available Surface Water for Recharge	Intentional Recharge	In-Lieu Recharge Water								
1976	CH	25,200	75,400	13,800	114,400	30,800	0	0	30,800	83,600	51,200	32,400	65,100	116,300	38,850	259,000	189,350	138,150	30,000	219,350
1977	CL	13,900	65,600	13,800	93,300	30,800	0	0	30,800	62,500	51,200	11,300	65,100	116,300	38,850	259,000	189,350	138,150	30,000	219,350
1978	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1979	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1980	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1981	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1982	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1983	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1984	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1985	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1986	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1987	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1988	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1989	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1990	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1991	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1992	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1993	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1994	D	39,800	104,000	13,800	157,600	30,800	0	0	30,800	126,800	51,200	75,600	65,100	116,300	25,900	259,000	202,300	151,100	30,000	232,300
1995	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1996	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1997	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1998	W	60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
1999	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
2000	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
2001	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
2002	ND	56,200	115,800	13,800	185,800	30,800	0	0	30,800	155,000	51,200	103,800	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
2003	NW	60,000	138,400	13,800	212,200	30,800	0	0	30,800	181,400	51,200	130,200	65,100	116,300	0	259,000	228,200	177,000	30,000	258,200
Normal Year <sup>(c)</sup>		58,200	126,500	13,800	198,500	30,800	0	0	30,800	167,700	51,200	116,500		116,300			228,200	177,000		258,200
Maximum		60,000	151,800	13,800	225,600	30,800	0	0	30,800	194,800	51,200	143,600		116,300			228,200	177,000		258,200
Minimum		13,900	65,600	13,800	93,300	30,800	0	0	30,800	62,500	51,200	11,300		116,300			189,350	138,150		219,350