

Pumping Schedule and Gross Reach Depletions
Whitesides Additional Dairy Water & Priority Shift
Current Model Results From Cell (\$9.28)

Years			Consumptive Volume		Percent of transferred volume	Calculated Impact (+) is depletion					
Begin	End	Number	Pumped Af/yr	Transferred Af/Year		[Af/Year] Heise/Ashton to Lewisville [Net %]	[Af/Year] Shelley to Neeley [Net %]	[Af/Year] Neeley to Mindoka [Net %]	[Af/Year] Millner to King Hill [Net %]		
2004	2005	1	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0
2005	2006	1	0.0	0.0	0%	0.0	0.0	0.0	0.0	0.0	0.0
2006	2007	1	428.1	428.1	100%	0.0	0.0	-3.2	-1.2	0.1	0.0
2007	2008	1	428.1	428.1	100%	0.0	0.0	-3.9	-1.5	0.3	0.1
2008	2009	1	428.1	428.1	100%	0.0	-0.1	-3.9	-1.5	0.5	0.2
2009	2010	1	428.1	428.1	100%	0.0	-0.1	-3.8	-1.5	0.8	0.3
2010	2011	1	428.1	428.1	100%	0.0	-0.2	-3.8	-1.4	1.0	0.4
2011	2012	1	428.1	428.1	100%	0.0	-0.2	-3.7	-1.4	1.1	0.5
2012	2013	1	428.1	428.1	100%	0.0	-0.3	-3.7	-1.4	1.3	0.5
2013	2014	1	428.1	428.1	100%	0.0	-0.3	-3.7	-1.4	1.4	0.6
2014	2015	1	428.1	428.1	100%	0.0	-0.3	-3.6	-1.4	1.5	0.6
2015	2016	1	428.1	428.1	100%	0.0	-0.4	-3.6	-1.4	1.6	0.7
2016	2017	1	428.1	428.1	100%	0.0	-0.4	-3.6	-1.4	1.7	0.7
2017	2018	1	428.1	428.1	100%	0.0	-0.4	-3.6	-1.3	1.8	0.7
2018	2019	1	428.1	428.1	100%	0.0	-0.4	-3.5	-1.3	1.9	0.8
2019	2020	1	428.1	428.1	100%	0.0	-0.4	-3.5	-1.3	1.9	0.8
2020	2021	1	428.1	428.1	100%	0.0	-0.4	-3.5	-1.3	2.0	0.8
2021	2022	1	428.1	428.1	100%	0.0	-0.4	-3.5	-1.3	2.1	0.8
2022	2023	1	428.1	428.1	100%	0.0	-0.4	-3.4	-1.3	2.1	0.8
2023	2024	1	428.1	428.1	100%	0.0	-0.4	-3.4	-1.3	2.2	0.9
2024	2025	1	428.1	428.1	100%	0.0	-0.4	-3.4	-1.3	2.2	0.9
2025	2026	1	428.1	428.1	100%	0.0	-0.4	-3.4	-1.3	2.3	0.9
2026	2027	1	428.1	428.1	100%	0.0	-0.4	-3.3	-1.2	2.3	0.9
2027	2028	1	428.1	428.1	100%	0.0	-0.4	-3.3	-1.2	2.3	0.9
2028	2029	1	428.1	428.1	100%	0.0	-0.4	-3.3	-1.2	2.4	0.9
2029	2030	1	428.1	428.1	100%	0.0	-0.4	-3.3	-1.2	2.4	0.9
2030	2031	1	428.1	428.1	100%	0.0	-0.4	-3.3	-1.2	2.4	1.0
2031	2032	1	428.1	428.1	100%	0.0	-0.4	-3.2	-1.2	2.5	1.0
2032	2033	1	428.1	428.1	100%	0.0	-0.4	-3.2	-1.2	2.5	1.0
2033	2034	1	428.1	428.1	100%	0.0	-0.3	-3.2	-1.2	2.5	1.0
2034	2035	1	428.1	428.1	100%	0.0	-0.3	-3.2	-1.2	2.5	1.0
2035	2036	1	428.1	428.1	100%	0.0	-0.3	-3.2	-1.2	2.6	1.0
2036	2037	1	428.1	428.1	100%	0.0	-0.3	-3.2	-1.2	2.6	1.0
2037	2038	1	428.1	428.1	100%	0.0	-0.3	-3.2	-1.2	2.6	1.0
2038	2039	1	428.1	428.1	100%	0.0	-0.3	-3.2	-1.2	2.6	1.0
2039	2040	1	428.1	428.1	100%	0.0	-0.3	-3.2	-1.2	2.6	1.0
2040	>>>>	1	428.1	428.1	100%	0.0	0	0	0	0.0	1.0
LONG TERM			428.1	428.1	100%	0.0	0	-3	-1	3.0	1.1

Analysis shows reach impacts below 5% therefore no pumping reduction required at new place of use

GROUND-WATER RIGHTS TRANSFER SPREADSHEET

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPA

Cells this color are
set up for user entries

ENTER STARTING DATE FOR
SIMULATION. THEN PUSH
"UPDATE DATES" BUTTON

Priority shift
Whitesides

YEAR 1950
SEASON SPRING ▼

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	9	9	10	
COLUMN	28	28	29	

				scale factor: 1			
TRIMESTER OF ACTIVITY	TO WELL	FROM1 WELL		FROM2 WELL		FROM3 WELL	
	Projected Use AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 1950	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1950	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1950	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1951	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1951	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1951	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1952	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1952	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1952	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1953	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1953	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1953	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1954	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1954	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1954	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1955	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1955	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1955	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1956	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1956	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1956	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1957	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1957	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1957	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1958	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1958	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1958	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1959	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1959	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1959	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1960	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1960	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1960	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1961	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1961	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1961	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1962	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1962	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1962	0.00	0.00	0.00	142.70	142.70	0.00	0.00

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL		FROM2 WELL		FROM3 WELL	
		With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SPR 1963	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1963	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1963	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1964	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1964	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1964	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1965	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1965	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1965	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1966	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1966	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1966	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1967	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1967	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1967	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1968	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1968	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1968	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1969	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1969	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1969	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1970	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1970	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1970	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1971	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1971	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1971	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SPR 1972	0.00	0.00	0.00	142.70	142.70	0.00	0.00
SUM 1972	0.00	0.00	0.00	142.70	142.70	0.00	0.00
WIN 1972	0.00	46.00	46.00	142.70	142.70	0.00	0.00
SPR 1973	0.00	46.00	46.00	142.70	142.70	0.00	0.00
SUM 1973	0.00	46.00	46.00	142.70	142.70	0.00	0.00
WIN 1973	0.00	46.00	46.00	142.70	142.70	0.00	0.00
SPR 1974	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1974	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1974	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1975	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1975	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1975	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1976	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1976	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1976	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1977	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1977	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1977	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1978	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1978	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1978	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1979	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1979	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1979	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1980	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1980	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1980	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1981	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1981	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1981	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1982	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1982	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1982	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1983	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1983	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1983	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1984	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1984	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1984	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1985	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1985	0.00	86.77	86.77	142.70	142.70	0.00	0.00

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL		FROM2 WELL		FROM3 WELL	
		With Transfer	Without Transfer	With Transfer	Without Transfer	With Transfer	Without Transfer
		AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER
WIN 1985	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1986	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1986	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1986	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1987	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1987	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1987	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1988	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1988	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1988	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1989	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1989	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1989	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1990	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1990	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1990	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1991	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1991	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1991	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1992	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1992	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1992	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1993	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1993	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1993	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1994	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1994	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1994	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1995	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1995	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1995	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1996	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1996	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1996	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1997	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1997	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1997	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1998	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1998	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1998	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 1999	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 1999	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 1999	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 2000	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 2000	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 2000	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 2001	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 2001	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 2001	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 2002	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 2002	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 2002	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 2003	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 2003	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 2003	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 2004	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 2004	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 2004	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 2005	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SUM 2005	0.00	86.77	86.77	142.70	142.70	0.00	0.00
WIN 2005	0.00	86.77	86.77	142.70	142.70	0.00	0.00
SPR 2006	142.70	0.00	86.77	86.77	142.70	0.00	0.00
SUM 2006	142.70	0.00	86.77	86.77	142.70	0.00	0.00
WIN 2006	142.70	0.00	86.77	86.77	142.70	0.00	0.00
SPR 2007	142.70	0.00	86.77	86.77	142.70	0.00	0.00
SUM 2007	142.70	0.00	86.77	86.77	142.70	0.00	0.00
WIN 2007	142.70	0.00	86.77	86.77	142.70	0.00	0.00
SPR 2008	142.70	0.00	86.77	86.77	142.70	0.00	0.00
SUM 2008	142.70	0.00	86.77	86.77	142.70	0.00	0.00

Net Transfer Impact-Percent of Historical

Transfer No: Priority shift

Applicant: Whitesides

