

PUKAKI FLATS NORTH STAGING PLAN										
					DISCHARGE / ha		TOTAL DISCHARGE		TOTAL DISCHARGE (with dryland)	
Land Use	Abbr.	Area ID	Soil	Area ha	N (HD) kg /ha/yr	P kg /ha/yr	N (HD) kg N /yr	P kg P /yr	N (HD) kg N /yr	P kg P /yr
DRYLAND LOSSES:										
Simons Pass (Pukaki Flats North)										
Dryland Not Farmed:				292	2	0.02	584	6		
Dryland Farmed:				3180	3.2	0.05	10176	159		
Total Dryland Losses:				3472			10760	165		
OVERALL LOSSES (incl. Irrigated Land & Dryland):										
Stage 1: First Year	Construct and irrigate 1608 ha new pivots; No stock									
	DOFF		PAW90/130		20	0.6	0	0		
			PAW 30/60		18	0.5	0	0		
	SBIFIN		PAW90/130		14	0.2	0	0		
			PAW 30/60		13	0.2	0	0		
	Irrigated Pasture		PAW90/130	1307	9	0.6	11763	784		
			PAW 30/60	301	11	0.5	3311	151		
Total Irrigated:				1608			15074	935	15074	935
Total Dryland:				3472					10760	165
Total Overall Farm:				5080					25834	1100
SPSL (Pukaki Flats North) Nutrient Allocation:									82401	7026
Surplus on Pukaki Flats North (after subcatchment reallocation):									56567	5926
Stage 2: Second Year	Construct and irrigate 536 ha new pivots; 1072 ha SBIFIN; 536 ha DOFF									
	DOFF		PAW90/130	536	20	0.6	10720	322		
			PAW 30/60		18	0.5	0	0		
	SBIFIN		PAW90/130	771	14	0.2	10794	154		
			PAW 30/60	301	13	0.2	3913	60		
	Irrigated Pasture		PAW90/130		9	0.6	0	0		

			PAW 30/60	536	11	0.5	5896	268		
Total Irrigated:				2144			31323	804	31323	804
Total Dryland:				3472					10760	165
Total Overall Farm:				5616			62646	1608	42083	969
SPSL Pukaki Flats North Nutrient Allocation:									82401	7026
Surplus on Pukaki Flats North (after subcatchment reallocation):									40318	6057
Stage 3: Third Year:	Construct and irrigate 143 ha new pivots; 1072 ha SBIFIN; 1072 ha DOFF									
	DOFF		PAW90/130	1072	20	0.6	21440	643		
			PAW 30/60		18	0.5	0	0		
	SBIFIN		PAW90/130	235	14	0.2	3290	47		
			PAW 30/60	837	13	0.2	10881	167		
	Irrigated Pasture		PAW90/130		9	0.6	0	0		
			PAW 30/60	143	11	0.5	1573	72		
Total Irrigated:				2287			37184	929	37184	929
Total Dryland:				3472					10760	165
Total Overall Farm:				5759			74368	1858	47944	1094
SPSL Pukaki Flats North Nutrient Allocation:									82401	7026
Surplus on Pukaki Flats North (after subcatchment reallocation):									34457	5932
Stage 4: Fourth Year	Construct and irrigate NO new pivots; 679 ha SBIFIN; 1608 ha DOFF									
	DOFF		PAW90/130	1307	20	0.6	26140	784		
			PAW 30/60	301	18	0.5	5418	151		
	SBIFIN		PAW90/130		14	0.2	0	0		
			PAW 30/60	679	13	0.2	8827	136		
	Irrigated Pasture		PAW90/130		9	0.6	0	0		
			PAW 30/60		11	0.5	0	0		
Total Irrigated:				2287			40385	1071	40385	1071
Total Dryland:				3472					10760	165
Total Overall Farm:				5759			80770	2141	51145	1235
SPSL Pukaki Flats North Nutrient Allocation:									82401	7026

Surplus on Pukaki Flats North (after subcatchment reallocation):								31256	5791
Stage 5: Fifth Year	Construct and irrigate NO new pivots; 143 ha SBIFIN; 2144 ha DOFF								
	DOFF		PAW90/130	1307	20	0.6	26140	784	
			PAW 30/60	837	18	0.5	15066	419	
	SBIFIN		PAW90/130		14	0.2	0	0	
			PAW 30/60	143	13	0.2	1859	29	
	Irrigated Pasture		PAW90/130		9	0.6	0	0	
			PAW 30/60		11	0.5	0	0	
Total Irrigated:				2287			43065	1231	43065 1231
Total Dryland:				3472					10760 165
Total Overall Farm:				5759			86130	2463	53825 1396
SPSL Pukaki Flats North Nutrient Allocation:								82401	7026
Surplus on Pukaki Flats North (after subcatchment reallocation):								28576	5630
Stage 6: Sixth Year	Construct and irrigate NO new pivots; 2287 ha DOFF								
	DOFF		PAW90/130	1307	20	0.6	26140	784	
			PAW 30/60	980	18	0.5	17640	490	
	SBIFIN		PAW90/130		14	0.2	0	0	
			PAW 30/60		13	0.2	0	0	
	Irrigated Pasture		PAW90/130		9	0.6	0	0	
			PAW 30/60		11	0.5	0	0	
Total Irrigated:				2287			43780	1274	43780 1274
Total Dryland:				3472					10760 165
Total Overall Farm:				5759			87560	2548	54540 1439
SPSL Pukaki Flats North Nutrient Allocation:								82401	7026
Surplus on Pukaki Flats North (after subcatchment reallocation):								27861	5587

OPTION 4

	Total Dryland	New Irrigated Pasture	SBIFIN	DOFF	TOTAL	Pukaki Flats NDA	SURPLUS
Stage 1	10760	15074	0	0	25834	82401	56567
Stage 2	10760	5896	14707	10720	42083	82401	40318
Stage 3	10760	1573	14171	21440	47944	82401	34457
Stage 4	10760	0	8827	31558	51145	82401	31256
Stage 5	10760	0	1859	41206	53825	82401	28576
Stage 6	10760	0	0	43780	54540	82401	27861
Stage 7	0	0	0	0	0	0	0
Stage 8	0	0	0	0	0	0	0