

F3.3.9

Risk to Springs

Table F3.3.9-1A Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Project Specific			Proposed Action																		
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out						
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs			
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	
White River	175	Long Valley																			
	174	Jakes Valley																			
	207	White River Valley															1			2	
	180	Cave Valley			1						1				7	1		1	1	1	16
	172	Garden Valley																			
	171	Coal Valley																			
	208	Pahroc Valley																			
	181	Dry Lake Valley			1			9			10				45			17		80	
	209	Pahranaagat Valley									1				2			1		2	
	182	Delamar Valley			1			10			1				30			1		30	
	206	Kane Springs Valley																1		7	
	210	Coyote Spring Valley																			
	219	Muddy River Springs Area																			
	220	Lower Moapa Valley																			
215	Black Mountains Area																				
Goshute Valley	179	Steptoe Valley												4		1	5		5	15	
	178B	Butte Valley (Southern Part)																			
Salt Lake Desert	196	Hamlin Valley							1	1	1			2	1	1	2			33	
	185	Tippett Valley															1			4	
	184	Spring Valley (184)	3		2	5			27	4	9	98	16	46	30	4	27	132	34	105	
	194	Pleasant Valley																			
	195	Snake Valley							7	4	14	32	22	6	7	7	24	33	30	25	
258	Fish Springs Flat																				
Meadow Valley Wash	183	Lake Valley												3	5		9	5	7	26	
	201	Spring Valley (201)																		13	
	202	Patterson Valley																		3	
	200	Eagle Valley																			
	199	Rose Valley																			
	198	Dry Valley																			
	203	Panaca Valley																			
	204	Clover Valley																			
205	Lower Meadow Valley Wash						5						14						22		
Las Vegas	212	Las Vegas Valley																			
Total			3		5	5		24	35	9	37	130	38	159	44	13	90	171	77	383	

Table F3.3.9-2A Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Project Specific			Alt. A - Distributed Pumping																	
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out					
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs		
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk
White River	175	Long Valley																		
	174	Jakes Valley																		
	207	White River Valley																		
	180	Cave Valley								1				4	1		1			8
	172	Garden Valley																		
	171	Coal Valley																		
	208	Pahroc Valley																		
	181	Dry Lake Valley								4				32			17			73
	209	Pahranagat Valley															1			2
	182	Delamar Valley								1				9			1			22
	206	Kane Springs Valley																		
	210	Coyote Spring Valley																		
	219	Muddy River Springs Area																		
	220	Lower Moapa Valley																		
215	Black Mountains Area																			
Goshute Valley	179	Steptoe Valley														1	5		5	15
	178B	Butte Valley (Southern Part)																		
Salt Lake Desert	196	Hamlin Valley							1	1	1			2	1	1	1			28
	185	Tippett Valley																		
	184	Spring Valley (184)	1		1	2			14	4	7	28	8	22	20	4	12	55	10	54
	194	Pleasant Valley																		
	195	Snake Valley							5	4	13	30	20	6	7	7	24	31	28	14
258	Fish Springs Flat																			
Meadow Valley Wash	183	Lake Valley												2	4		4	4	3	18
	201	Spring Valley (201)																		3
	202	Patterson Valley																		
	200	Eagle Valley																		
	199	Rose Valley																		
	198	Dry Valley																		
	203	Panaca Valley																		
	204	Clover Valley																		
205	Lower Meadow Valley Wash																		10	
Las Vegas	212	Las Vegas Valley																		
Total			1		1	2			20	9	27	58	28	77	33	13	66	90	46	247

Table F3.3.9-3A Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Project Specific			Alt. B - PODs																		
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out						
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs			
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	
White River	175	Long Valley																			
	174	Jakes Valley																			
	207	White River Valley						2			1			2			1			3	
	180	Cave Valley			1						1			10	1		1	1	1	1	19
	172	Garden Valley																			
	171	Coal Valley																			
	208	Pahroc Valley																			
	181	Dry Lake Valley			1			14			11			45			17				78
	209	Pahranagat Valley									1			2			1				2
	182	Delamar Valley			1			12			1			30			1				30
	206	Kane Springs Valley															1				7
	210	Coyote Spring Valley																			
	219	Muddy River Springs Area																			
	220	Lower Moapa Valley																			
215	Black Mountains Area																				
Goshute Valley	179	Steptoe Valley						3		1	5		5	15		1	6		7	40	
	178B	Butte Valley (Southern Part)																			
Salt Lake Desert	196	Hamlin Valley							1	1	1			2	1	1	2			31	
	185	Tippett Valley																			
	184	Spring Valley (184)	12	1	2	27	1	22	18	4	10	52	8	74	22	4	43	109	12	116	
	194	Pleasant Valley																			
	195	Snake Valley							5	24	37	27	29	11	7	35	306	31	35	33	
258	Fish Springs Flat																				
Meadow Valley Wash	183	Lake Valley			1			2			4			10	5	1	9	6	8	26	
	201	Spring Valley (201)																		13	
	202	Patterson Valley																		2	
	200	Eagle Valley																			
	199	Rose Valley																			
	198	Dry Valley																			
	203	Panaca Valley																			
	204	Clover Valley																			
205	Lower Meadow Valley Wash						3						14							22	
Las Vegas	212	Las Vegas Valley	12	1	6	27	1	58	24	30	72	79	42	215	36	42	388	147	63	422	
Total			12	1	6	27	1	58	24	30	72	79	42	215	36	42	388	147	63	422	

Table F3.3.9-4A Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Project Specific			Alt. C - Intermittent Pumping/Reduced Quantities																		
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out						
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs			
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	
White River	175	Long Valley																			
	174	Jakes Valley																			
	207	White River Valley																			
	180	Cave Valley								1				3			1			7	
	172	Garden Valley																			
	171	Coal Valley																			
	208	Pahroc Valley																			
	181	Dry Lake Valley									3				31			14			52
	209	Pahranagat Valley															1				2
	182	Delamar Valley									1				9			1			22
	206	Kane Springs Valley																			
	210	Coyote Spring Valley																			
	219	Muddy River Springs Area																			
	220	Lower Moapa Valley																			
215	Black Mountains Area																				
Goshute Valley	179	Steptoe Valley																			
	178B	Butte Valley (Southern Part)																			
Salt Lake Desert	196	Hamlin Valley								1	1			2		1	1			4	
	185	Tippett Valley																			
	184	Spring Valley (184)	1		1	2			10	4	5	16	8	13	11	4	7	17	8	23	
	194	Pleasant Valley																			
	195	Snake Valley							4		1	17	3	2	5	5	19	23	22	9	
	258	Fish Springs Flat																			
Meadow Valley Wash	183	Lake Valley												1						3	
	201	Spring Valley (201)																			
	202	Patterson Valley																			
	200	Eagle Valley																			
	199	Rose Valley																			
	198	Dry Valley																			
	203	Panaca Valley																			
	204	Clover Valley																			
205	Lower Meadow Valley Wash																			10	
Las Vegas	212	Las Vegas Valley																			
Total			1		1	2			14	5	12	33	11	61	16	10	44	40	30	132	

Table F3.3.9-5A Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Project Specific			Alt. D - LCCRDA																		
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out						
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs			
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	
White River	175	Long Valley																			
	174	Jakes Valley																			
	207	White River Valley																			
	180	Cave Valley									1				5	1		1			13
	172	Garden Valley																			
	171	Coal Valley																			
	208	Pahroc Valley																			
	181	Dry Lake Valley									4				32			17			78
	209	Pahranagat Valley																1			2
	182	Delamar Valley									1				9			1			22
	206	Kane Springs Valley																			
	210	Coyote Spring Valley																			
	219	Muddy River Springs Area																			
	220	Lower Moapa Valley																			
215	Black Mountains Area																				
Goshute Valley	179	Steptoe Valley															1	4		5	15
	178B	Butte Valley (Southern Part)																			
Salt Lake Desert	196	Hamlin Valley		1				1		1	2				32	1	1	4			99
	185	Tippett Valley																			
	184	Spring Valley (184)			3			13	6	4	7	10	3	19	8	4	7	19	8		24
	194	Pleasant Valley																			
	195	Snake Valley							1		12	5		6	3	3	22	17	1		11
	258	Fish Springs Flat																			
Meadow Valley Wash	183	Lake Valley						2			2	2	5	12	6	1	10	10	10		29
	201	Spring Valley (201)								1	1			3	18		1	1		16	44
	202	Patterson Valley														1			4	2	8
	200	Eagle Valley																			
	199	Rose Valley																			
	198	Dry Valley																			
	203	Panaca Valley																			
	204	Clover Valley																			
205	Lower Meadow Valley Wash																			10	
Las Vegas	212	Las Vegas Valley																			
Total				1	3			16	7	6	30	17	11	133	19	12	68	50	42		355

Table F3.3.9-6A Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Project Specific			Alt. E - Spring/DDC																		
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out						
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs			
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	
White River	175	Long Valley																			
	174	Jakes Valley																			
	207	White River Valley																			
	180	Cave Valley									1				4	1		1		8	
	172	Garden Valley																			
	171	Coal Valley																			
	208	Pahroc Valley																			
	181	Dry Lake Valley									4				32			17		73	
	209	Pahranagat Valley																1		2	
	182	Delamar Valley									1				9			1		22	
	206	Kane Springs Valley																			
	210	Coyote Spring Valley																			
	219	Muddy River Springs Area																			
	220	Lower Moapa Valley																			
	215	Black Mountains Area																			
Goshute Valley	179	Steptoe Valley															1	5		5	15
	178B	Butte Valley (Southern Part)																			
Salt Lake Desert	196	Hamlin Valley								1	1				2		1	1		15	
	185	Tippett Valley																			
	184	Spring Valley (184)	1		1	2			14	4	7	28	8	22	20	4	12	55	10	53	
	194	Pleasant Valley																			
	195	Snake Valley									12				3			21		9	
Meadow Valley Wash	258	Fish Springs Flat																			
	183	Lake Valley												2	3		4	1	3	17	
	201	Spring Valley (201)																			
	202	Patterson Valley																			
	200	Eagle Valley																			
	199	Rose Valley																			
	198	Dry Valley																			
	203	Panaca Valley																			
204	Clover Valley																				
Las Vegas	205	Lower Meadow Valley Wash																		10	
	212	Las Vegas Valley																			
Total			1		1	2			14	5	26	28	8	74	24	6	63	56	18	224	

Table F3.3.9-7A Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Project Specific			No Action																		
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out						
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs			
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	
White River	175	Long Valley																			
	174	Jakes Valley																			
	207	White River Valley							4					1	4					1	
	180	Cave Valley																		3	
	172	Garden Valley																			
	171	Coal Valley																			
	208	Pahroc Valley																			
	181	Dry Lake Valley							1		3				19			4		40	
	209	Pahranagat Valley																			
	182	Delamar Valley																			
	206	Kane Springs Valley																			
	210	Coyote Spring Valley																			
	219	Muddy River Springs Area																			
	220	Lower Moapa Valley																			
	215	Black Mountains Area																			
Goshute Valley	179	Steptoe Valley																			
	178B	Butte Valley (Southern Part)																			
Salt Lake Desert	196	Hamlin Valley																		14	
	185	Tippett Valley																			
	184	Spring Valley (184)												2	3			2		3	12
	194	Pleasant Valley																			
	195	Snake Valley																			
	258	Fish Springs Flat																			
Meadow Valley Wash	183	Lake Valley	2	1	2	4	5	5	2	1	3	5	10	13	5	1	7	10	10	22	
	201	Spring Valley (201)												9		1	1		17	30	
	202	Patterson Valley		1	1	3	3	2		1	1	5	5	14		1	1	5	6	15	
	200	Eagle Valley																		1	
	199	Rose Valley																			
	198	Dry Valley																	1	1	
	203	Panaca Valley					1				1	4	1		3		1	4	1	1	7
	204	Clover Valley							5					1					3	4	7
	205	Lower Meadow Valley Wash								1	2			1	3		1	2		3	1
Las Vegas	212	Las Vegas Valley			2		1	3							2						
Total			2	4	3	10	12	13	7	5	11	14	20	69	12	8	19	21	45	153	

Table F3.3.9-1B Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Cumulative			Proposed Action																	
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out					
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs		
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk
White River	175	Long Valley																		
	174	Jakes Valley																		
	207	White River Valley							4					1	4		1			3
	180	Cave Valley			1						1			7	1		1	1	1	18
	172	Garden Valley																		
	171	Coal Valley																		
	208	Pahroc Valley																		
	181	Dry Lake Valley			1			15			14			75			17			81
	209	Pahranagat Valley								1	1			2			1	1		2
	182	Delamar Valley			1			10			1			30			1			30
	206	Kane Springs Valley									1			4			1			8
	210	Coyote Spring Valley						3	1					10	1					11
	219	Muddy River Springs Area													2				2	
	220	Lower Moapa Valley																		
215	Black Mountains Area																			
Goshute Valley	179	Steptoe Valley	1	1		1	1		1	2	1	1	12	15	1	3	5	1	26	26
	178B	Butte Valley (Southern Part)																		
Salt Lake Desert	196	Hamlin Valley							1	1	1			8	1	1	4			37
	185	Tippett Valley															2			11
	184	Spring Valley (184)	7	1	2	19	6		29	4	10	103	16	61	30	4	43	141	48	132
	194	Pleasant Valley																		
	195	Snake Valley							7	4	16	32	24	6	7	7	25	33	32	29
	258	Fish Springs Flat																		
Meadow Valley Wash	183	Lake Valley	2	1	2	4	5	5	2	1	6	6	10	22	6	1	10	10	10	29
	201	Spring Valley (201)												12		1	1		22	31
	202	Patterson Valley		1	1	3	3	2		1	1	5	5	15		1	1	5	6	15
	200	Eagle Valley																	1	
	199	Rose Valley																1		
	198	Dry Valley											1		1			1		6
	203	Panaca Valley		1		1				1	4	1	2	7		1	4	1	2	7
	204	Clover Valley	3			6	4	11	3				7	4	13	3		7	4	13
	205	Lower Meadow Valley Wash		2		1	3	13	1	2		1	3	39	2	2		2	3	41
Las Vegas	212	Las Vegas Valley													3			1		
Total			13	7	8	35	22	59	49	16	57	158	76	328	58	24	117	206	156	530

Table F3.3.9-2B Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Cumulative			Alt. A - Distributed Pumping																		
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out						
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs			
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	
White River	175	Long Valley																			
	174	Jakes Valley																			
	207	White River Valley							4					1	4						2
	180	Cave Valley								1				7	1			1	1		14
	172	Garden Valley																			
	171	Coal Valley																			
	208	Pahroc Valley																			
	181	Dry Lake Valley							2		9				68			17			79
	209	Pahranagat Valley																1	1		2
	182	Delamar Valley									1				13			1	1		30
	206	Kane Springs Valley																1			8
	210	Coyote Spring Valley							3	1					9	1					11
	219	Muddy River Springs Area														1				2	
	220	Lower Moapa Valley																			
215	Black Mountains Area																				
Goshute Valley	179	Steptoe Valley	1	1		1	1		1	2		1	12	11	1	3	5	1	24	22	
	178B	Butte Valley (Southern Part)																			
Salt Lake Desert	196	Hamlin Valley							1	1	1			3	1	1	2				32
	185	Tippett Valley																			
	184	Spring Valley (184)	3	1	1	8	6		18	4	9	58	9	33	23	4	22	65	11	76	
	194	Pleasant Valley																			
	195	Snake Valley							6	4	16	31	20	6	7	7	24	31	28	16	
	258	Fish Springs Flat																			
Meadow Valley Wash	183	Lake Valley	2	1	2	4	5	5	2	1	4	6	10	17	6	1	10	10	10	29	
	201	Spring Valley (201)												12		1	1		21	31	
	202	Patterson Valley		1	1	3	3	2		1	1	5	5	15		1	1	5	6	15	
	200	Eagle Valley																		1	
	199	Rose Valley																		1	
	198	Dry Valley											1		1					1	6
	203	Panaca Valley		1		1				1	4	1	2	7		1	4	1	2	7	
	204	Clover Valley	3			6	4	11	3				7	4	13	3			7	4	13
	205	Lower Meadow Valley Wash		2		1	3	7	1	2			1	3	34	2	2		2	3	41
Las Vegas	212	Las Vegas Valley														3				1	
Total			9	7	4	24	22	30	37	16	46	111	65	250	50	24	90	128	111	434	

Table F3.3.9-3B Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Cumulative			Alt. B - PODs																	
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out					
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs		
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk
White River	175	Long Valley																		
	174	Jakes Valley																		
	207	White River Valley						2	4	1				3	4		2			34
	180	Cave Valley			1						1			10	1		1	1	1	21
	172	Garden Valley																		
	171	Coal Valley																		
	208	Pahroc Valley																		2
	181	Dry Lake Valley			1			19			14			69			17			82
	209	Pahranagat Valley								1	1			2			1	1		2
	182	Delamar Valley			1			12			1			30			1			30
	206	Kane Springs Valley									1			4			1			8
	210	Coyote Spring Valley						3	1					10	1					11
	219	Muddy River Springs Area													2				2	
	220	Lower Moapa Valley																		
215	Black Mountains Area																			
Goshute Valley	179	Steptoe Valley	1	1		1	1	4	1	3	5	1	17	22	1	3	6	1	22	81
	178B	Butte Valley (Southern Part)																		
Salt Lake Desert	196	Hamlin Valley							1	1	1			7	1	1	4			37
	185	Tippett Valley																		
	184	Spring Valley (184)	13	2	2	31	6	22	18	4	11	52	9	82	22	4	43	110	12	122
	194	Pleasant Valley																		
	195	Snake Valley							5	24	37	27	29	13	7	35	310	31	35	35
258	Fish Springs Flat																			
Meadow Valley Wash	183	Lake Valley	2	1	3	4	5	7	6	1	9	10	10	26	6	1	10	10	10	29
	201	Spring Valley (201)												13		1	1		22	31
	202	Patterson Valley		1	1	3	3	2		1	1	5	5	15		1	1	5	6	15
	200	Eagle Valley																	1	
	199	Rose Valley																	1	
	198	Dry Valley											1		1				1	6
	203	Panaca Valley		1		1				1	4	1	2	7		1	4	1	2	7
	204	Clover Valley	3			6	4	11	3				7	4	13	3			7	4
205	Lower Meadow Valley Wash		2		1	3	11	1	2			1	3	39	2	2		2	3	41
Las Vegas	212	Las Vegas Valley														3			1	
Total			19	8	9	47	22	93	40	37	87	106	79	366	50	52	402	173	119	607

Table F3.3.9-4B Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Cumulative			Alt. C - Intermittent Pumping/Reduced Quantities																	
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out					
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs		
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk
White River	175	Long Valley																		
	174	Jakes Valley																		
	207	White River Valley							4					1	4					1
	180	Cave Valley									1			6	1		1			12
	172	Garden Valley																		
	171	Coal Valley																		
	208	Pahroc Valley																		
	181	Dry Lake Valley							2			8			64			17		77
	209	Pahrnagat Valley															1	1		2
	182	Delamar Valley										1			13			1		30
	206	Kane Springs Valley															1			8
	210	Coyote Spring Valley							3	1					9	1				11
	219	Muddy River Springs Area														1			2	
	220	Lower Moapa Valley																		
215	Black Mountains Area																			
Goshute Valley	179	Steptoe Valley	1	1		1	1		1	2		1	12	7	1	2	2	1	17	14
	178B	Butte Valley (Southern Part)																		
Salt Lake Desert	196	Hamlin Valley								1	1			2		1	2			24
	185	Tippett Valley																		
	184	Spring Valley (184)	3	1	1	8	6		10	4	7	20	8	27	16	4	7	32	10	40
	194	Pleasant Valley																		
	195	Snake Valley							4	4	9	22	20	6	5	7	21	24	24	11
	258	Fish Springs Flat																		
Meadow Valley Wash	183	Lake Valley	2	1	2	4	5	5	2	1	3	6	10	15	6	1	8	10	10	27
	201	Spring Valley (201)												12		1	1		17	31
	202	Patterson Valley		1	1	3	3	2		1	1	5	5	15		1	1	5	6	15
	200	Eagle Valley																	1	
	199	Rose Valley																1		
	198	Dry Valley											1		1			1		6
	203	Panaca Valley		1		1				1	4	1	2	7		1	4	1	2	7
	204	Clover Valley	3			6	4	11	3				7	4	13	3		7	4	13
	205	Lower Meadow Valley Wash		2		1	3	7	1	2			1	3	30	2	2		2	3
Las Vegas	212	Las Vegas Valley													3				1	
Total			9	7	4	24	22	30	26	16	35	64	64	228	40	23	67	87	95	370

Table F3.3.9-5B Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Cumulative			Alt. D - LCCRDA																		
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out						
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs			
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	
White River	175	Long Valley																			
	174	Jakes Valley																			
	207	White River Valley							4					1	4					3	
	180	Cave Valley									1			7	1			1	1		16
	172	Garden Valley																			
	171	Coal Valley																			
	208	Pahroc Valley																			
	181	Dry Lake Valley									8				62				17		78
	209	Pahrnagat Valley																	1	1	2
	182	Delamar Valley									1				13				1		30
	206	Kane Springs Valley																	1		8
	210	Coyote Spring Valley						3	1						9	1					11
	219	Muddy River Springs Area														1				2	
	220	Lower Moapa Valley																			
215	Black Mountains Area																				
Goshute Valley	179	Steptoe Valley	1	1		1	1		1	2		1	12	11	1	3	5	1	18	22	
	178B	Butte Valley (Southern Part)																			
Salt Lake Desert	196	Hamlin Valley		1				1		1	2			32	1	1	4			107	
	185	Tippett Valley						1													
	184	Spring Valley (184)			3			13	7	4	7	13	8	27	9	4	7	22	8	33	
	194	Pleasant Valley																			
	195	Snake Valley							1		12	5		6	3	4	22	18	2	12	
	258	Fish Springs Flat																			
Meadow Valley Wash	183	Lake Valley	2	1	1	3	5	4	3	1	7	9	10	21	6	1	10	10	10	29	
	201	Spring Valley (201)								1	1		8	31		1	1		27	49	
	202	Patterson Valley		1		1	2	2		1	1	5	4	14		1	1	5	6	15	
	200	Eagle Valley																	1		
	199	Rose Valley																	1		
	198	Dry Valley											1		1				1	6	
	203	Panaca Valley		1		1				1	4	1	2	7		1	4	1	2	7	
	204	Clover Valley	3			6	4	11	3				6	4	13	3			7	4	13
	205	Lower Meadow Valley Wash		2		1	3	7	1	2			1	3	21	2	2		2	3	41
Las Vegas	212	Las Vegas Valley														3			1		
Total			6	7	4	13	15	41	21	13	44	42	51	276	32	21	75	72	82	482	

Table F3.3.9-6B Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Cumulative			Alt. E - Spring/DDC																	
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out					
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs		
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk
White River	175	Long Valley																		
	174	Jakes Valley																		
	207	White River Valley							4					1	4					2
	180	Cave Valley									1				7	1		1	1	14
	172	Garden Valley																		
	171	Coal Valley																		
	208	Pahroc Valley																		
	181	Dry Lake Valley							2			9			68			17		79
	209	Pahranagat Valley																1	1	2
	182	Delamar Valley									1				13			1		30
	206	Kane Springs Valley																1		8
	210	Coyote Spring Valley							3	1					9	1				11
	219	Muddy River Springs Area														1			2	
	220	Lower Moapa Valley																		
	215	Black Mountains Area																		
Goshute Valley	179	Steptoe Valley	1	1		1	1		1	2		1	12	11	1	3	5	1	24	22
	178B	Butte Valley (Southern Part)																		
Salt Lake Desert	196	Hamlin Valley								1	1				3		1	2		26
	185	Tippett Valley																		
	184	Spring Valley (184)	3	1	1	8	6		18	4	9	58	9	33	23	4	22	65	11	75
	194	Pleasant Valley																		
	195	Snake Valley										12			6		3	22		10
258	Fish Springs Flat																			
Meadow Valley Wash	183	Lake Valley	2	1	2	4	5	5	2	1	3	6	10	17	6	1	10	10	10	29
	201	Spring Valley (201)												12		1	1		19	31
	202	Patterson Valley		1	1	3	3	2		1	1	5	5	15		1	1	5	6	15
	200	Eagle Valley																	1	
	199	Rose Valley																	1	
	198	Dry Valley											1		1				1	6
	203	Panaca Valley		1		1				1	4	1	2	7		1	4	1	2	7
204	Clover Valley	3			6	4	11	3				7	4	13	3			7	4	13
205	Lower Meadow Valley Wash		2		1	3	7	1	2			1	3	34	2	2		2	3	41
Las Vegas	212	Las Vegas Valley														3			1	
Total			9	7	4	24	22	30	30	12	41	80	45	250	42	20	88	97	82	421

Table F3.3.9-7B Risk to Springs Within the 10-foot Drawdown Contour

Spring Risk - Cumulative			No Action																		
			Full Build Out						75 Years After Full Build Out						200 Years After Full Build Out						
			Inv. Springs			Other Springs			Inv. Springs			Other Springs			Inv. Springs			Other Springs			
GW Flow System	Basin Number	Basin Name (Upgradient to Downgradient)	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	High Risk	Mod. Risk	Low Risk	
White River	175	Long Valley																			
	174	Jakes Valley																			
	207	White River Valley							4					1	4					1	
	180	Cave Valley																		3	
	172	Garden Valley																			
	171	Coal Valley																			
	208	Pahroc Valley																			
	181	Dry Lake Valley							1		3				19			6		47	
	209	Pahranagat Valley																	1		
	182	Delamar Valley																		11	
	206	Kane Springs Valley																1		8	
	210	Coyote Spring Valley							3	1					9	1				11	
	219	Muddy River Springs Area														1			2		
	220	Lower Moapa Valley																			
	215	Black Mountains Area																			
Goshute Valley	179	Steptoe Valley	1	1		1	1		1	2		1	12	7	1	2		1	13	7	
	178B	Butte Valley (Southern Part)																			
Salt Lake Desert	196	Hamlin Valley																		14	
	185	Tippett Valley																			
	184	Spring Valley (184)												2	8			2	1	3	18
	194	Pleasant Valley																			
	195	Snake Valley																			
	258	Fish Springs Flat																			
Meadow Valley Wash	183	Lake Valley	2	1	2	4	5	5	2	1	3	5	10	13	5	1	7	10	10	22	
	201	Spring Valley (201)												9		1	1		17	31	
	202	Patterson Valley		1	1	3	3	2		1	1	5	5	15		1	1	5	6	15	
	200	Eagle Valley																	1		
	199	Rose Valley																			
	198	Dry Valley												1		1			1	6	
	203	Panaca Valley			1		1				1	4	1	2	7		1	4	1	2	7
	204	Clover Valley	3			6	4	11	3				7	4	13	3			7	4	13
205	Lower Meadow Valley Wash			2		1	3	7	1	2		1	3	21	2	2		2	3	41	
Las Vegas	212	Las Vegas Valley														3			1		
Total			6	6	3	16	16	29	12	7	11	21	38	123	17	11	22	32	60	255	