

Table 7. Mass-Balance Summary, 2009

NFSEG WATER BUDGET TABLE: 2009 (CFD)																					
Layer	Recharge		ET		Wells		Springs (GHB)		Rivers and Drains		Constant Head		Upward leakage		Downward leakage		Lateral Leakage (GHB)		Total		
	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Net
1	5,496,665,088	0	0	2,529,812,224	1,649,619	818,271	0	0	280,218,560	2,340,726,464	92,040,048	205,683,568	0	0	950,336,384	1,743,868,800	0	0	6,820,909,699	6,820,909,327	372
2	0	0	0	0	0	0	11927	145152	14419776	119013312	0	0	1743868800	950336384	1020048320	1708853504	0	0	2778348823	2778348352	471
3	0	0	0	0	95,851,598	210,794,534	1,064,580	657,258,048	3,954	4,676,262	0	0	1,708,853,504	1,020,048,320	786,267,008	699,548,928	1,664,485	1,379,520	2,593,705,129	2,593,705,612	-483
4	0	0	0	0	5275	3615	0	0	0	0	0	0	699548928	786267008	646671424	571422720	17047868	5580244	1363273495	1363273587	-92
5	0	0	0	0	1,396,049	18,747,508	0	0	0	0	0	0	571,422,720	646,671,424	1,736,904	1,736,904	99,110,616	6,510,448	673,666,289	673,666,284	5
6	0	0	0	0	0	0	0	0	0	0	0	0	1736904	1736904	1736598	1736597	0	0	3473502	3473501	1
7	0	0	0	0	0	0	0	0	0	0	0	0	1,736,597	1,736,598	0	0	0	0	1,736,597	1,736,598	-1
MODEL	5,496,665,088	0	0	2,529,812,224	98,902,541	230,363,928	1,076,507	657,403,200	294,642,290	2,464,416,038	92,040,048	205,683,568	0	0	0	0	117,822,969	13,470,212	6,101,149,443	6,101,149,170	273

NFSEG WATER BUDGET TABLE: 2009 (CFS)																					
Layer	Recharge		ET		Wells		Springs (GHB)		Rivers and Drains		Constant Head		Upward leakage		Downward leakage		Lateral Leakage (GHB)		Total		
	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Net
1	63,619	0	0	29,280	19	9	0	0	3,243	27,092	1,065	2,381	0	0	10,999	20,184	0	0	78,946	78,946	0
2	0	0	0	0	0	0	0	2	167	1,377	0	0	20,184	10,999	11,806	19,778	0	0	32,157	32,157	0
3	0	0	0	0	1,109	2,440	12	7,607	0	54	0	0	19,778	11,806	9,100	8,097	19	16	30,020	30,020	0
4	0	0	0	0	0	0	0	0	0	0	0	0	8,097	9,100	7,485	6,614	197	65	15,779	15,779	0
5	0	0	0	0	16	217	0	0	0	0	0	0	6,614	7,485	20	20	1,147	75	7,797	7,797	0
6	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20	0	0	40	40	0
7	0	0	0	0	0	0	0	0	0	0	0	0	20	20	0	0	0	0	20	20	0
MODEL	63,619	0	0	29,280	1,145	2,666	12	7,609	3,410	28,523	1,065	2,381	0	0	0	0	1,364	156	70,615	70,615	0

NFSEG WATER BUDGET TABLE: 2009 (MGD)																					
Layer	Recharge		ET		Wells		Springs (GHB)		Rivers and Drains		Constant Head		Upward leakage		Downward leakage		Lateral Leakage (GHB)		Total		
	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Net
1	41,118	0	0	18,924	12	6	0	0	2,096	17,510	689	1,539	0	0	7,109	13,045	0	0	51,024	51,024	0
2	0	0	0	0	0	0	0	1	108	890	0	0	13,045	7,109	7,630	12,783	0	0	20,783	20,783	0
3	0	0	0	0	717	1,577	8	4,917	0	35	0	0	12,783	7,630	5,882	5,233	12	10	19,402	19,402	0
4	0	0	0	0	0	0	0	0	0	0	0	0	5,233	5,882	4,837	4,275	128	42	10,198	10,198	0
5	0	0	0	0	10	140	0	0	0	0	0	0	4,275	4,837	13	13	741	49	5,039	5,039	0
6	0	0	0	0	0	0	0	0	0	0	0	0	13	13	13	13	0	0	26	26	0
7	0	0	0	0	0	0	0	0	0	0	0	0	13	13	0	0	0	0	13	13	0
MODEL	41,118	0	0	18,924	740	1,723	8	4,918	2,204	18,435	689	1,539	0	0	0	0	881	101	45,640	45,640	0

NFSEG WATER BUDGET TABLE: 2009 (IPY)																					
Layer	Recharge		ET		Wells		Springs (GHB)		Rivers and Drains		Constant Head		Upward leakage		Downward leakage		Lateral Leakage (GHB)		Total		
	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Inflow	Outflow	Net
1	14.4	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.7	6.1	0.2	0.5	0.0	0.0	2.5	4.6	0.0	0.0	17.9	17.9	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	4.6	2.5	2.7	4.5	0.0	0.0	7.3	7.3	0.0
3	0.0	0.0	0.0	0.0	0.3	0.6	0.0	1.7	0.0	0.0	0.0	0.0	4.5	2.7	2.1	1.8	0.0	0.0	6.8	6.8	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.3	1.9	1.7	0.0	0.0	3.9	3.9	0.0
5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.0	0.0	0.0	0.3	0.0	2.1	2.1	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0
MODEL*	14.4	0.0	0.0	6.6	0.3	0.6	0.0	1.7	0.8	6.5	0.2	0.5	0.0	0.0	0.0	0.0	0.3	0.0	16.0	16.0	0.0

* Active SAS model area is used to evaluate the model water budget in units of inches per year (IPY)

NFSEG V1.1 PEST RUN 4B: 2009 WATER BUDGET

