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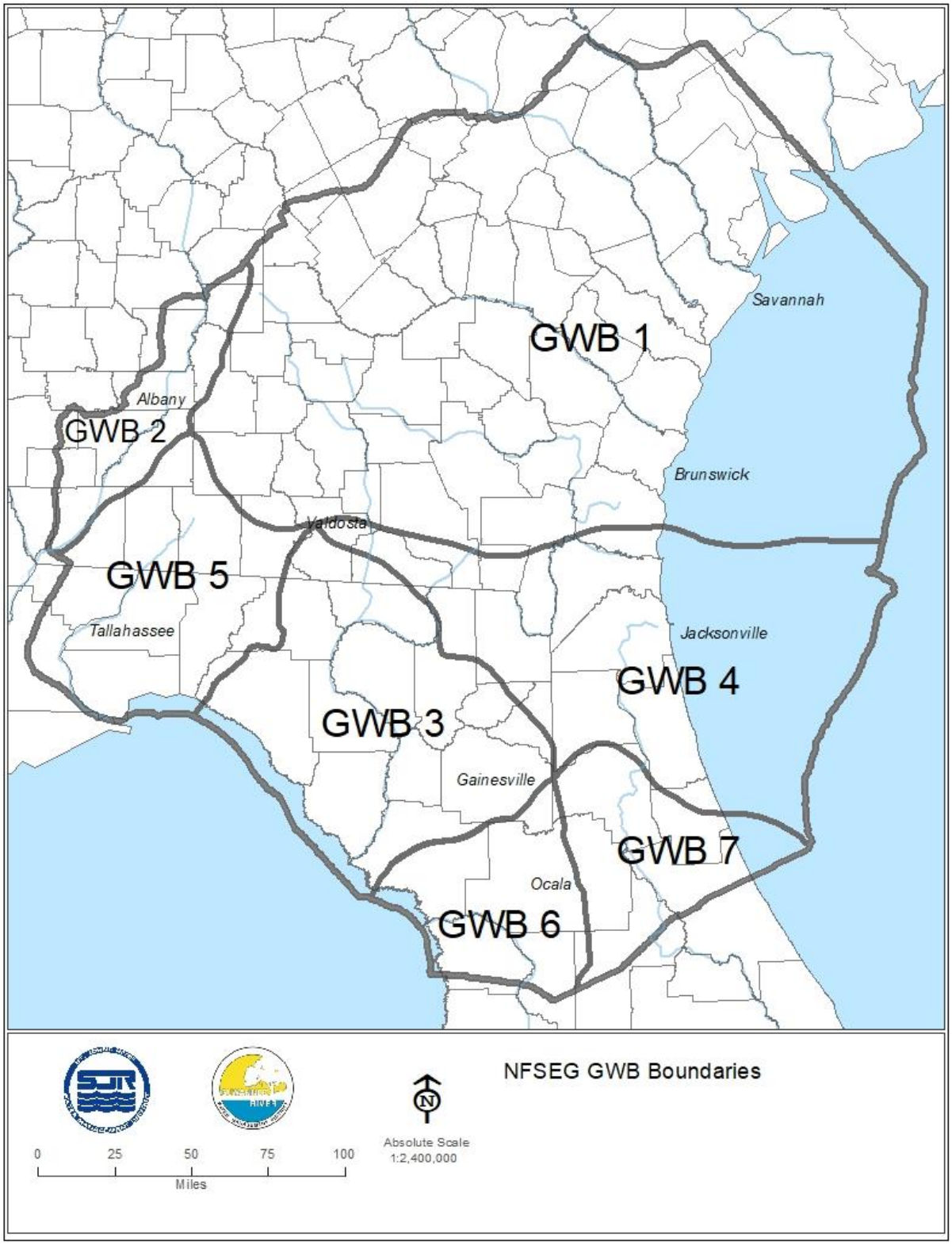
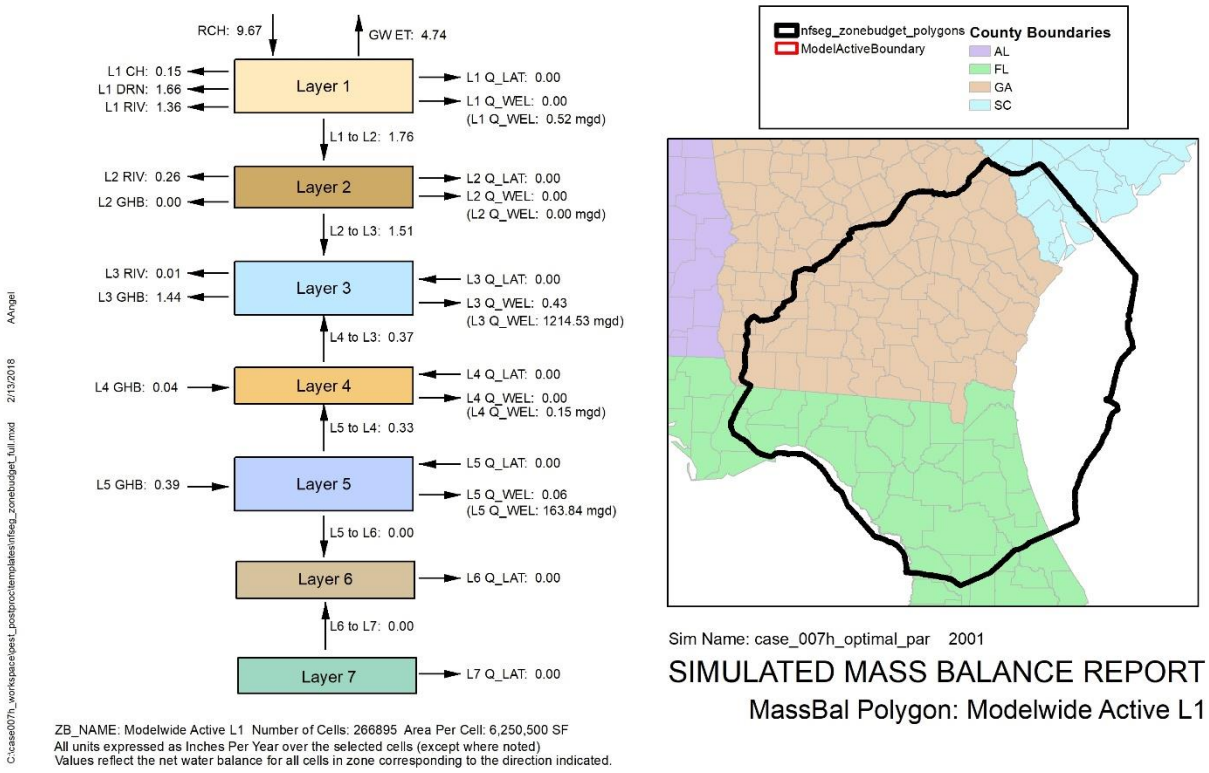


Figure 6-1 Map of all groundwater basins (GWB) within the model boundary



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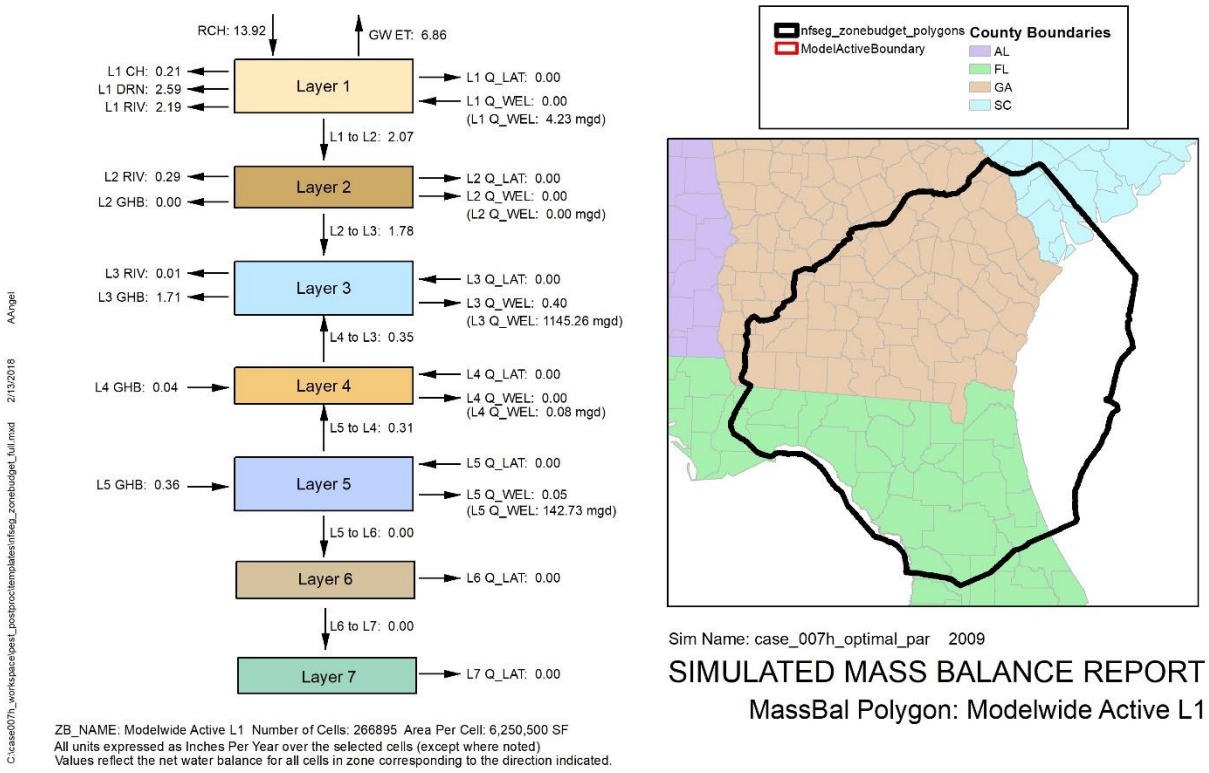

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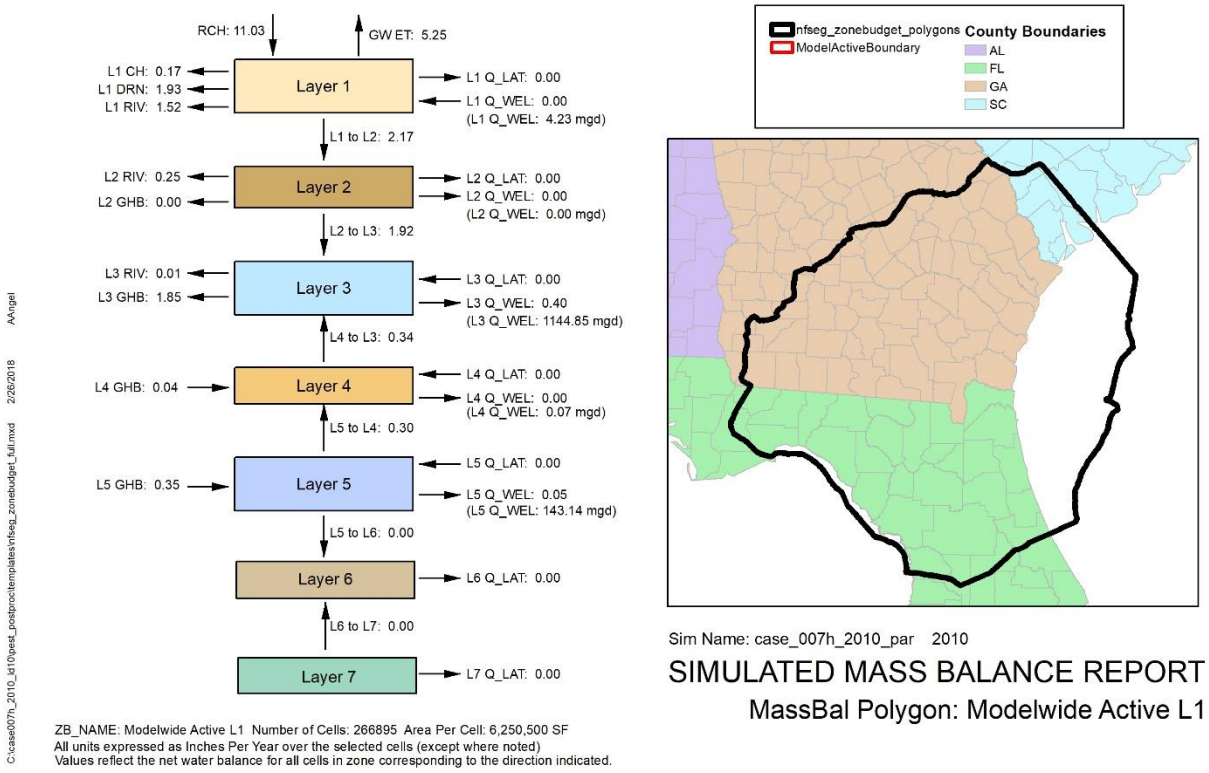

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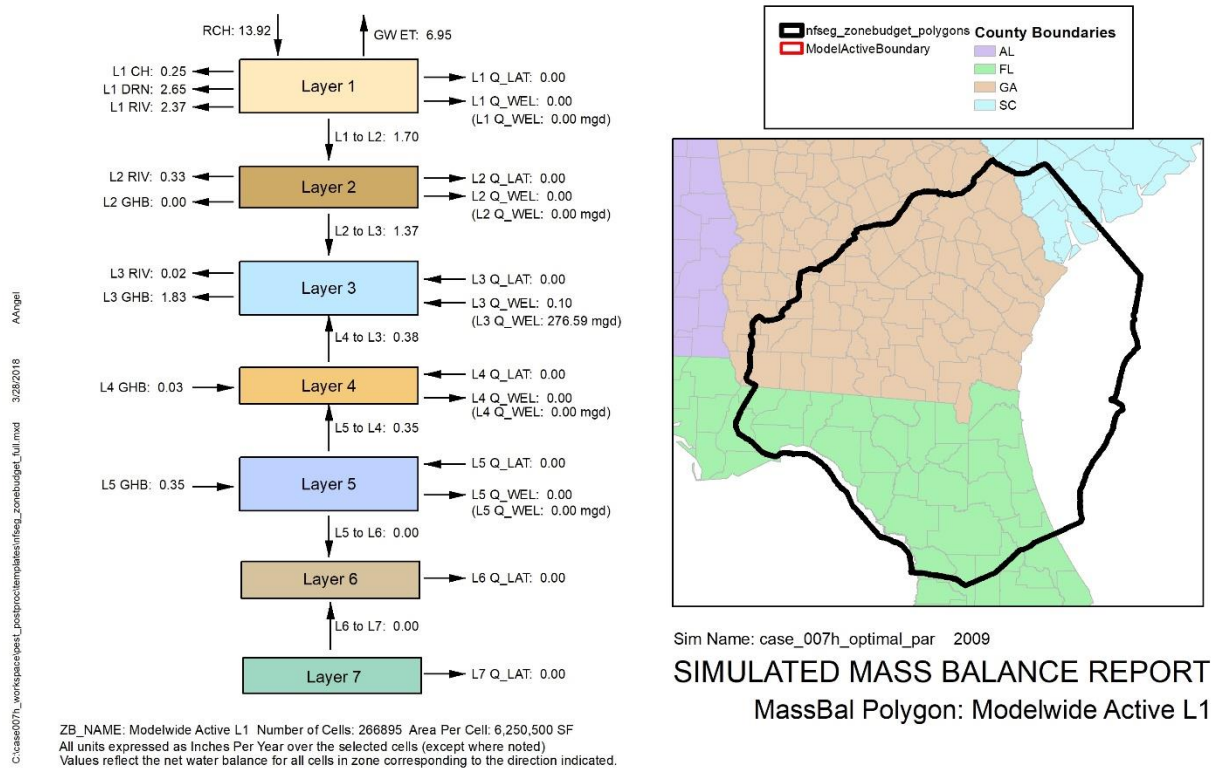

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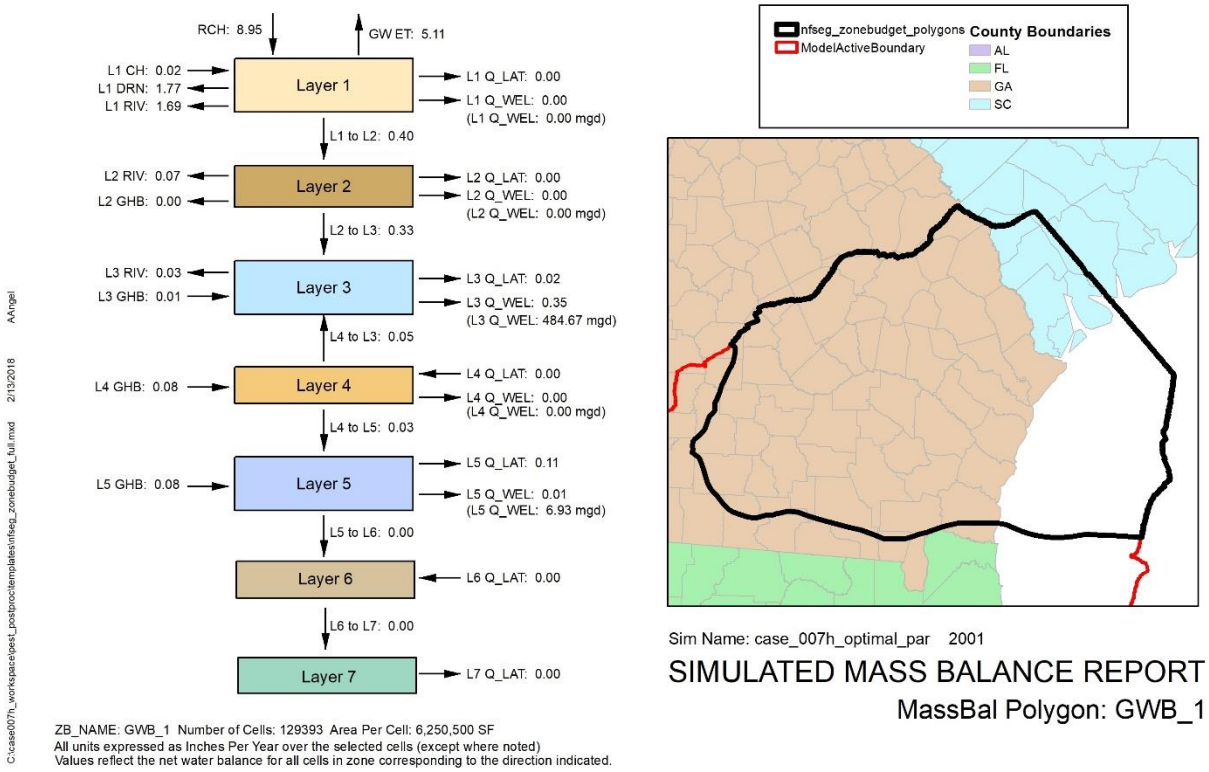


Figure 6-6. Simulated mass balance of GWB 1 for 2001

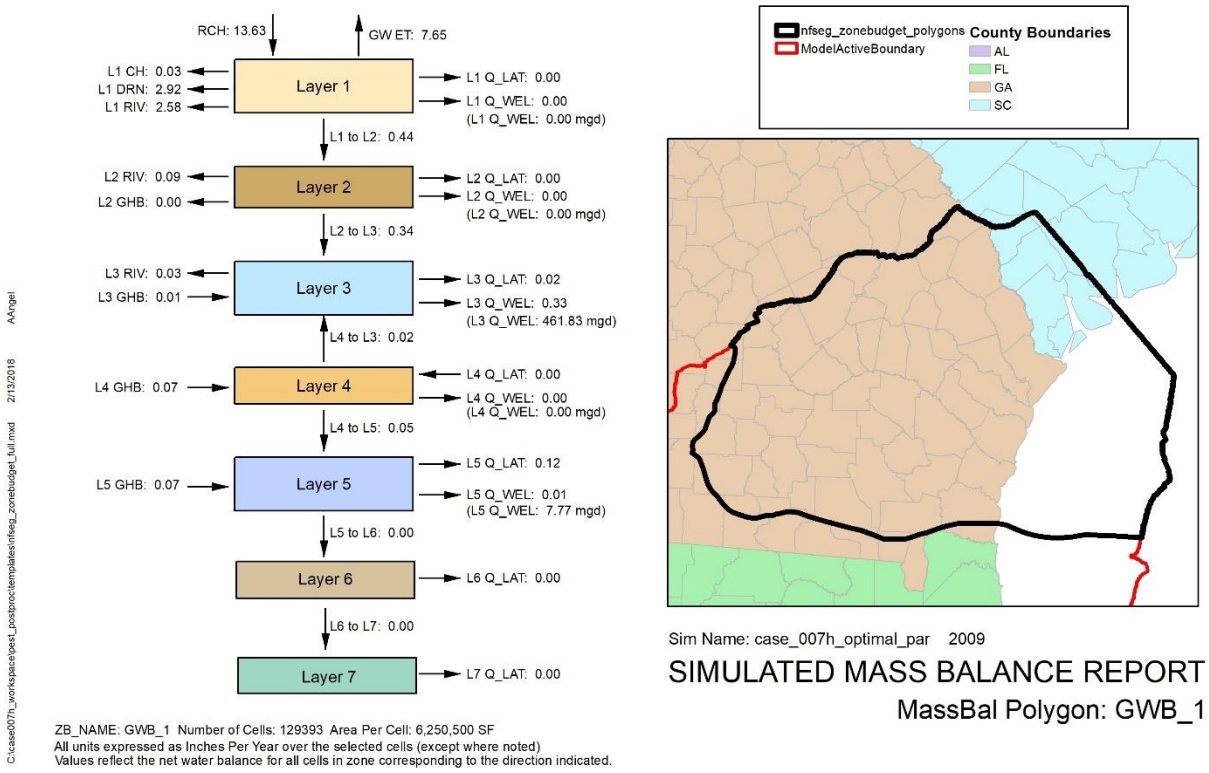


Figure 6-7. Simulated mass balance of GWB 1 for 2009

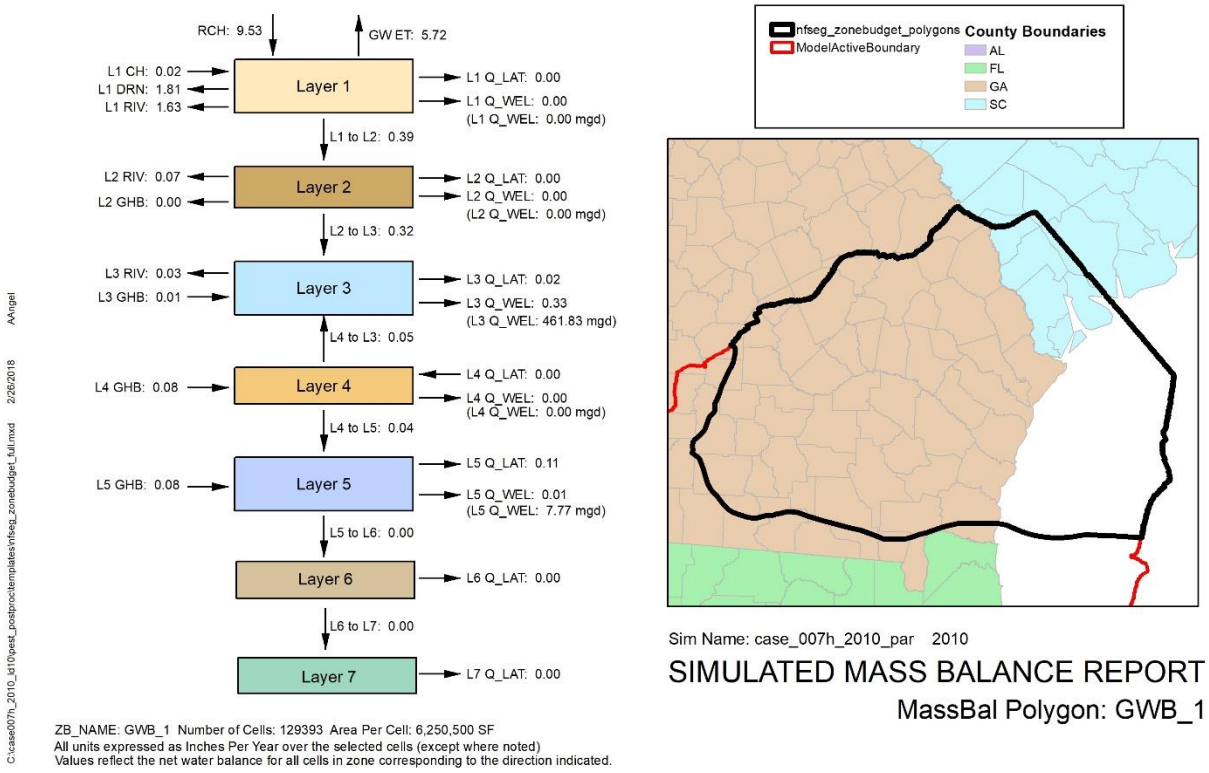
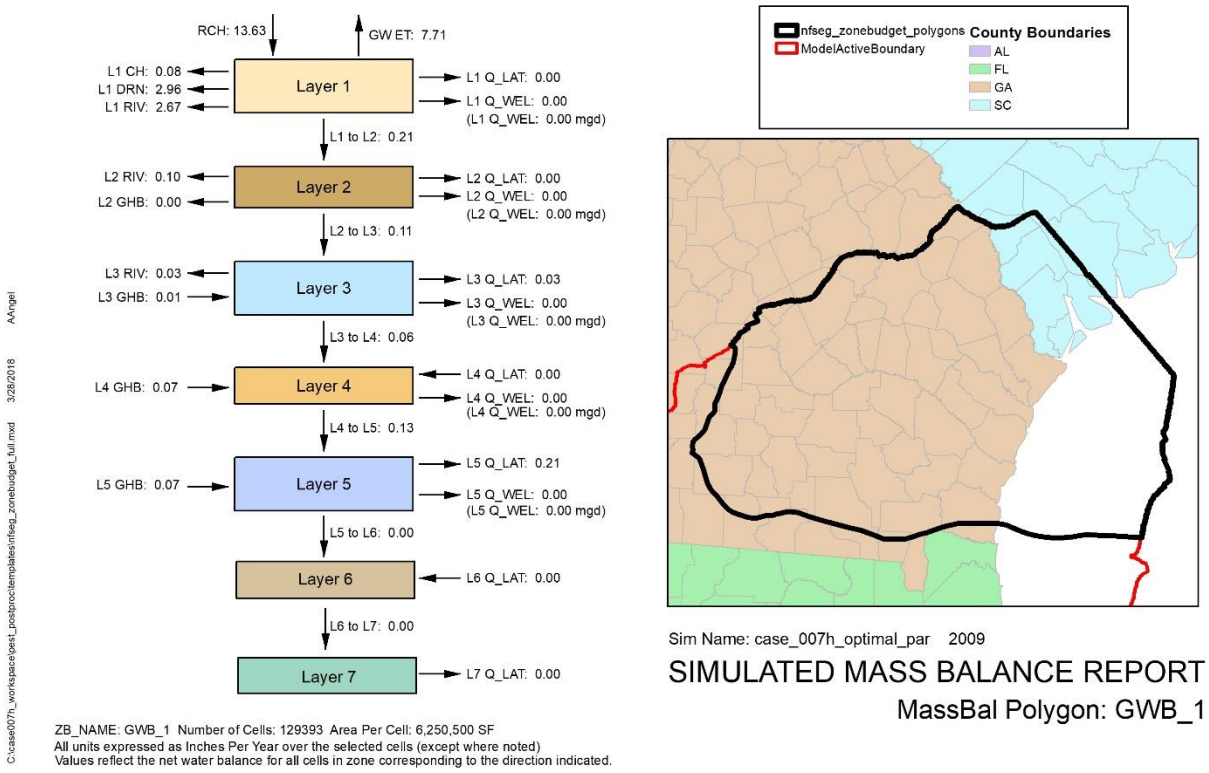


Figure 6-8. Simulated mass balance of GWB 1 for 2010



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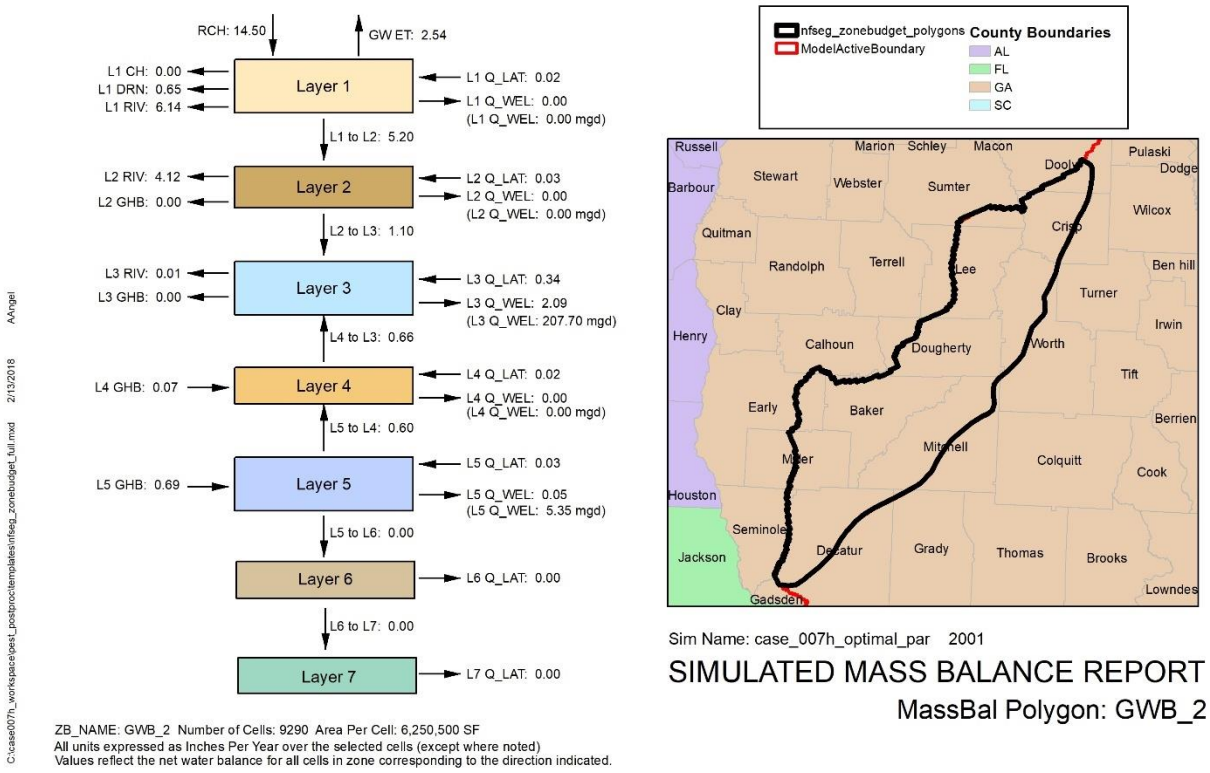


Figure 6-10. Simulated mass balance of GWB 2 for 2001

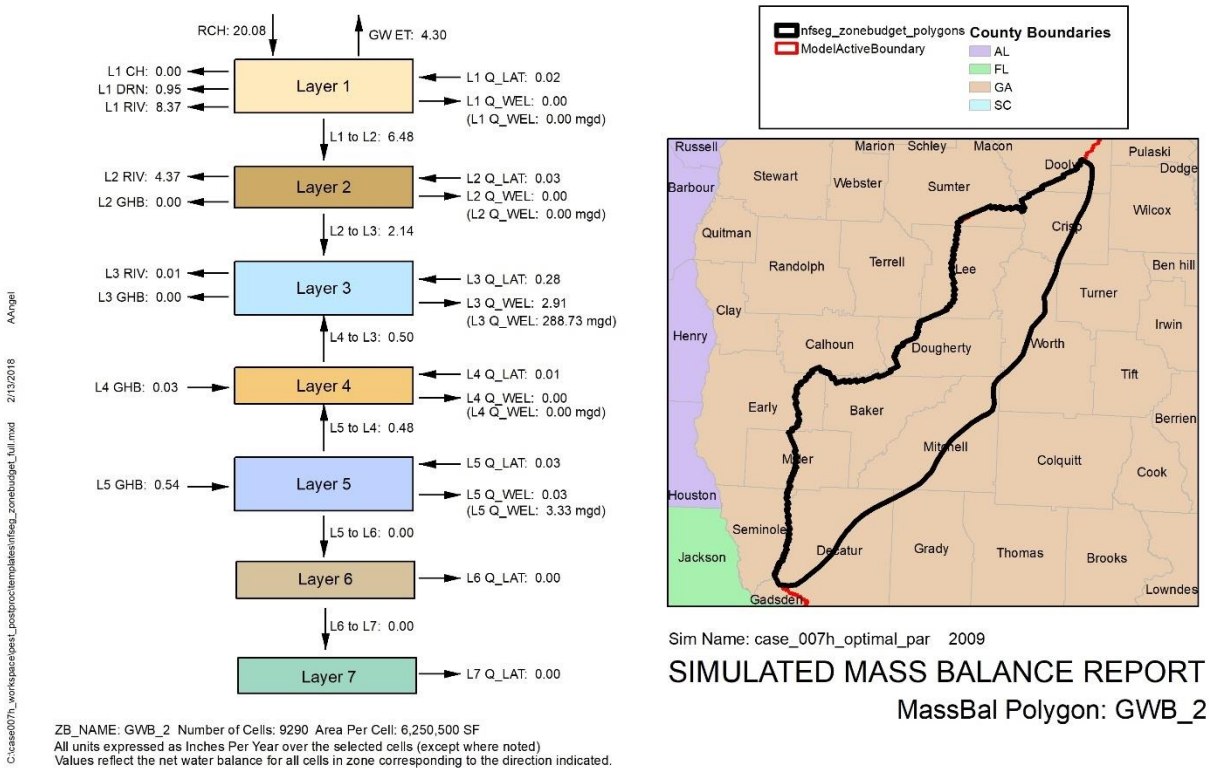
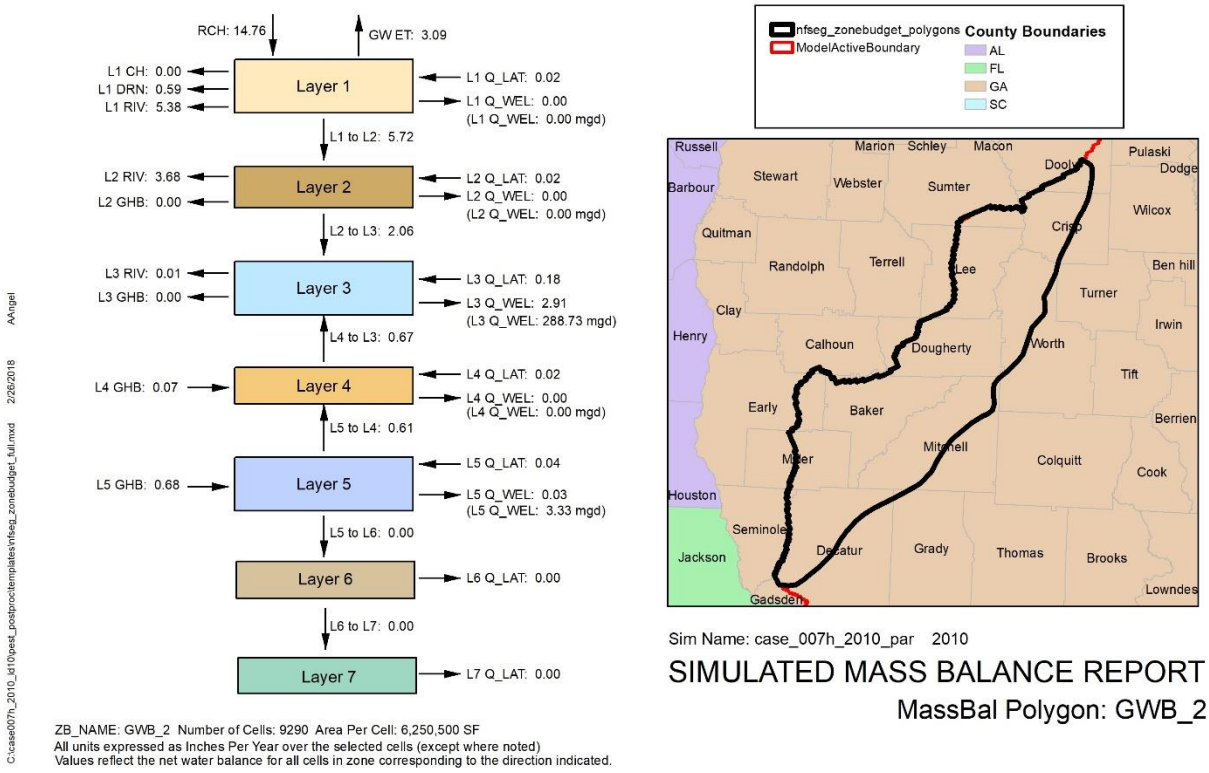


Figure 6-11. Simulated mass balance of GWB 2 for 2009



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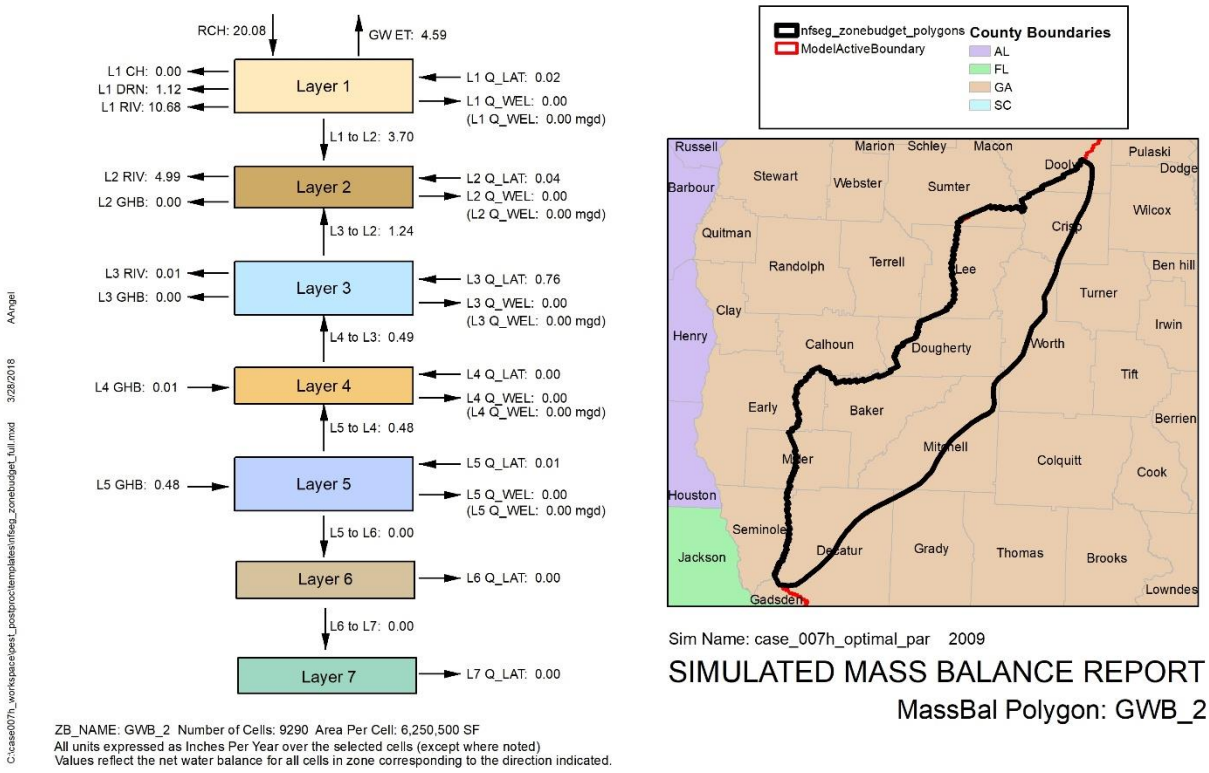

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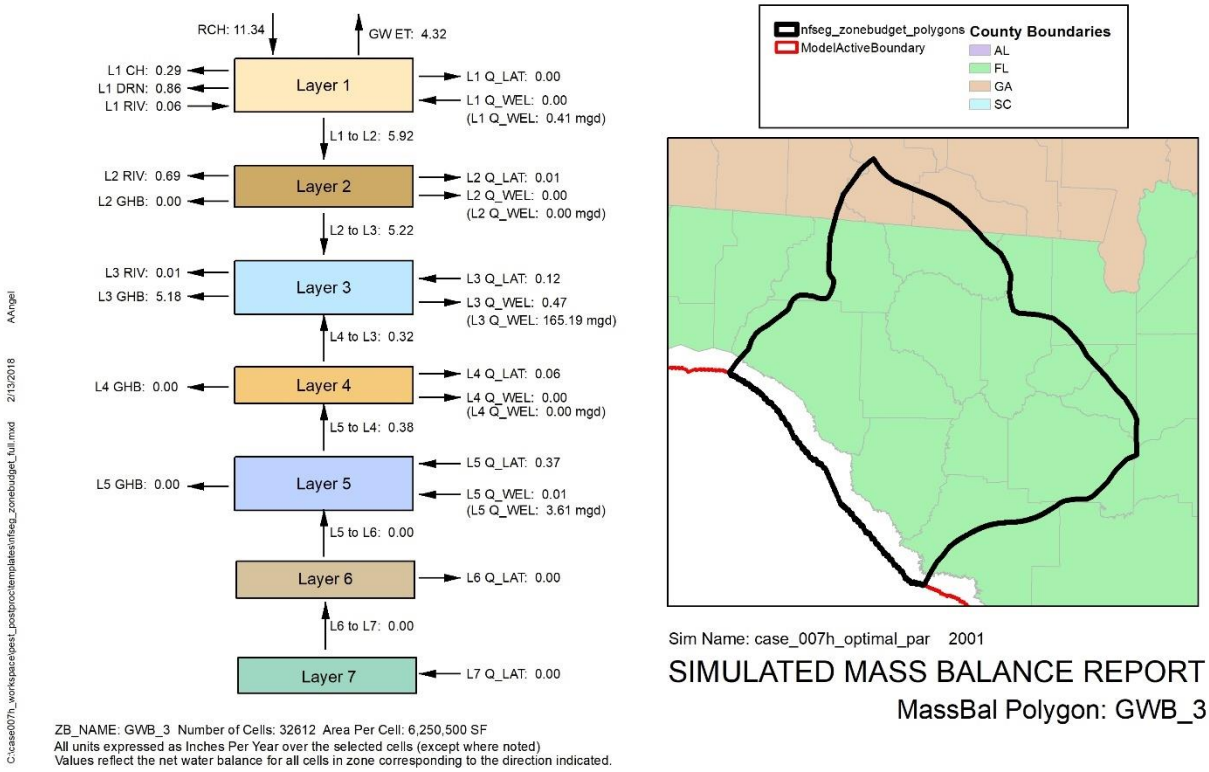

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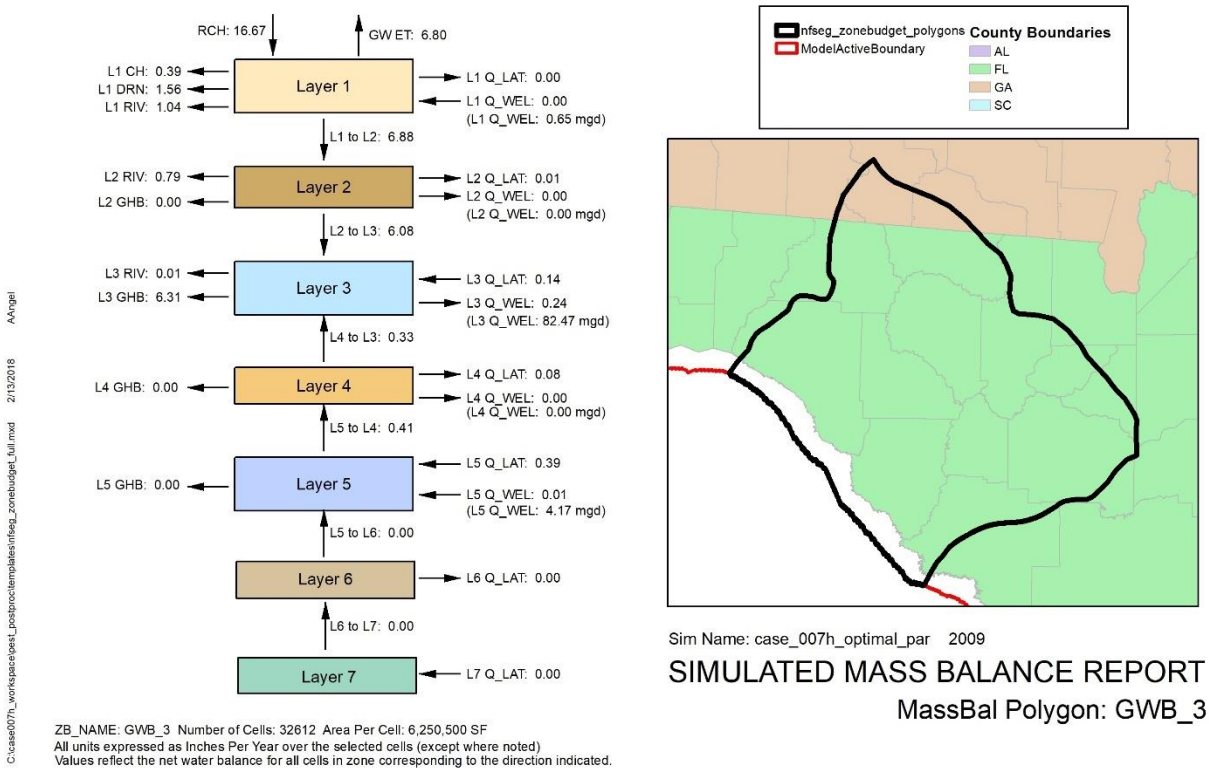

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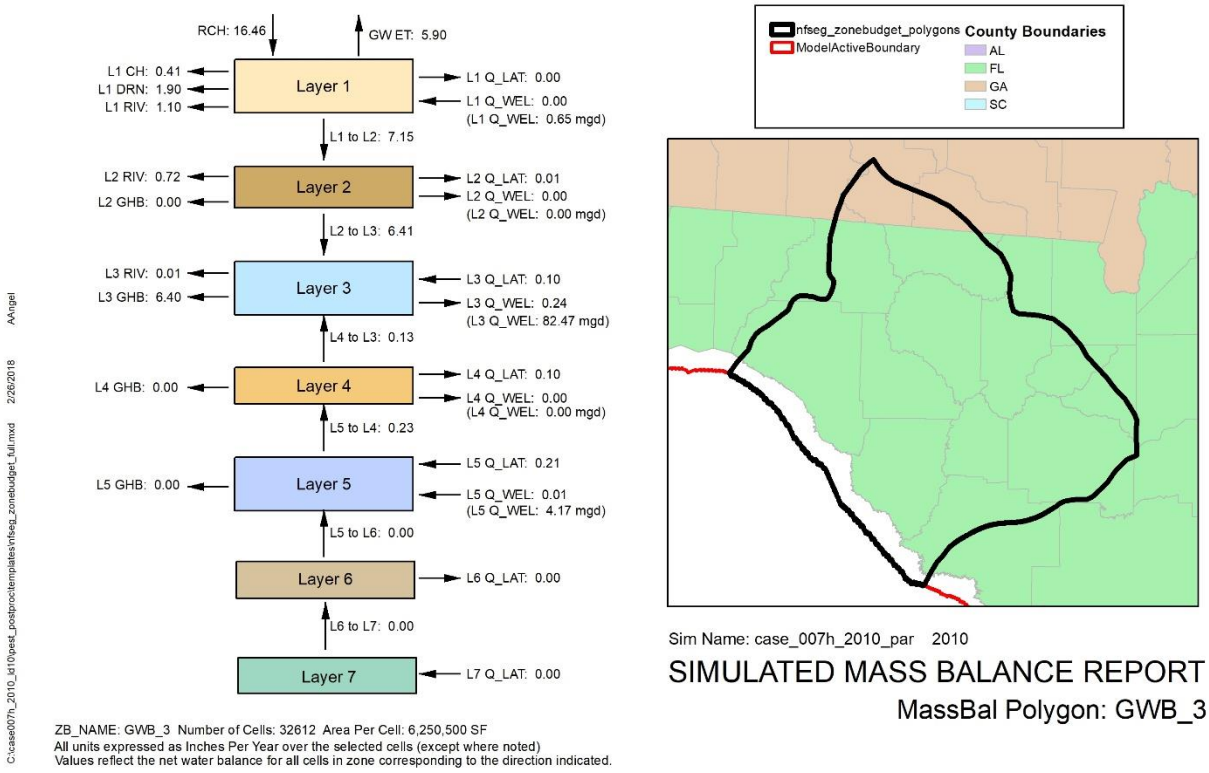

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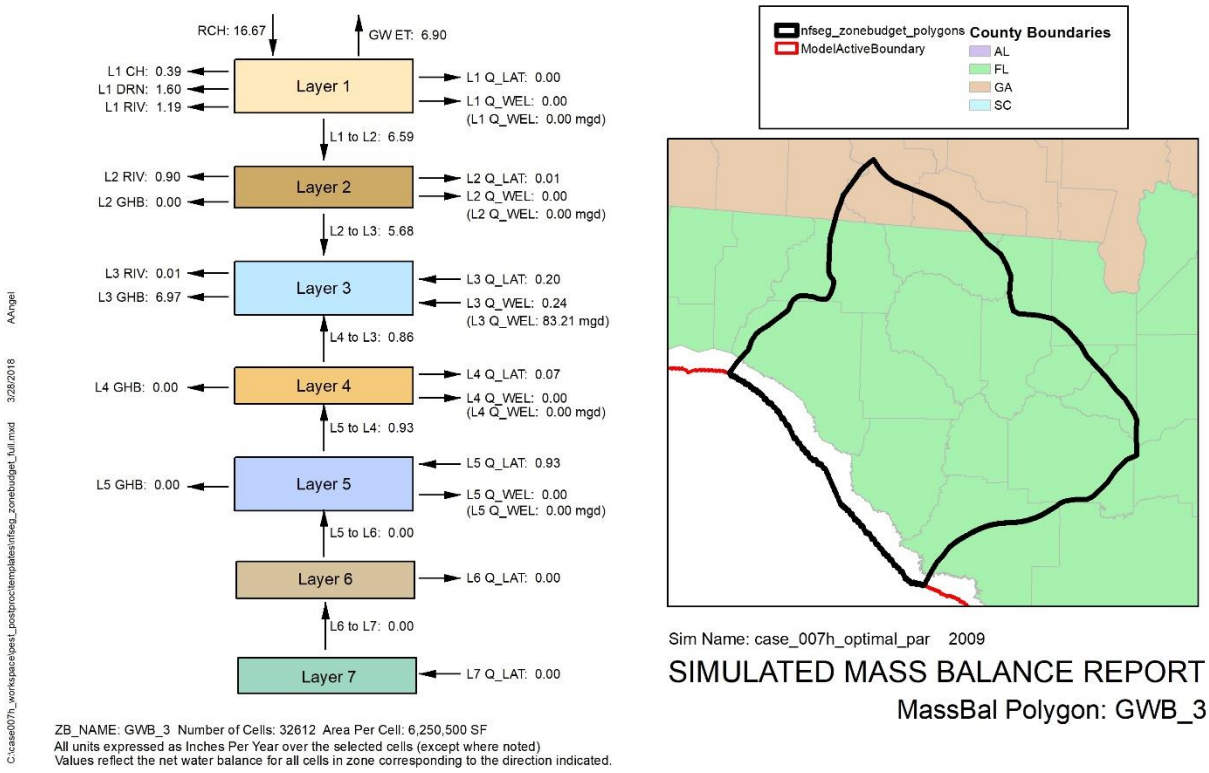

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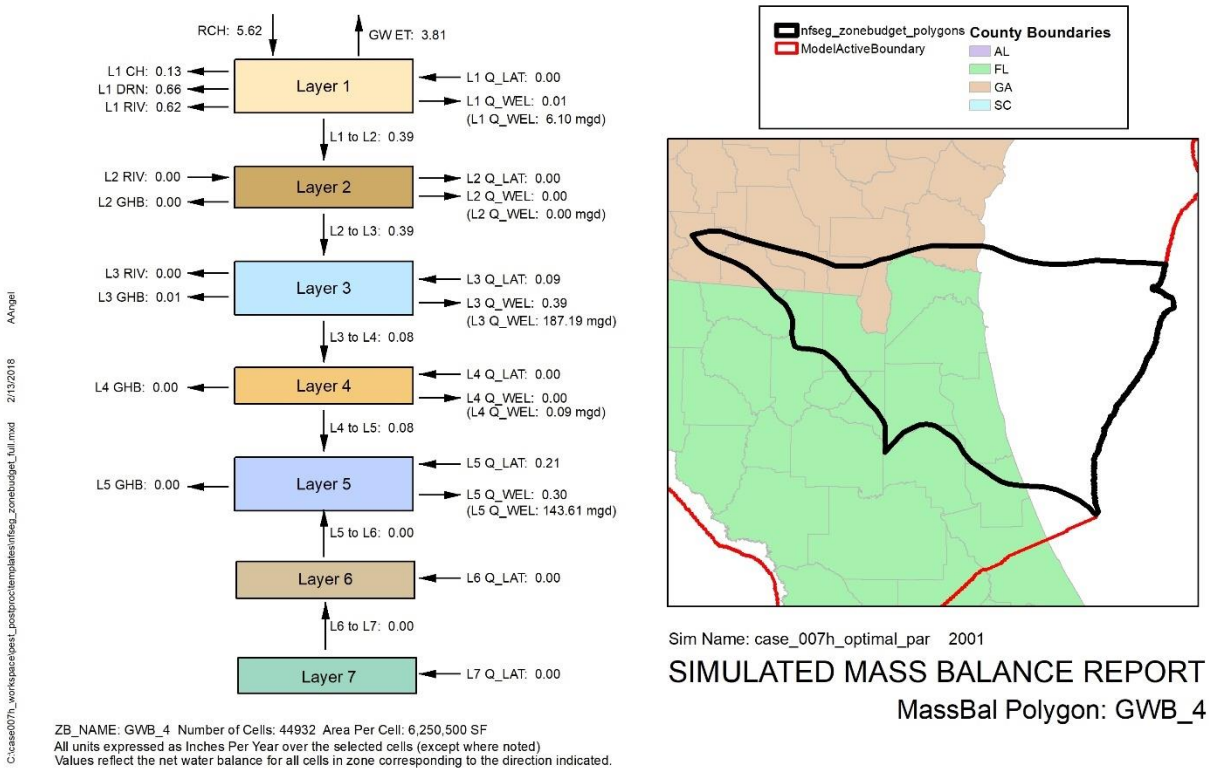

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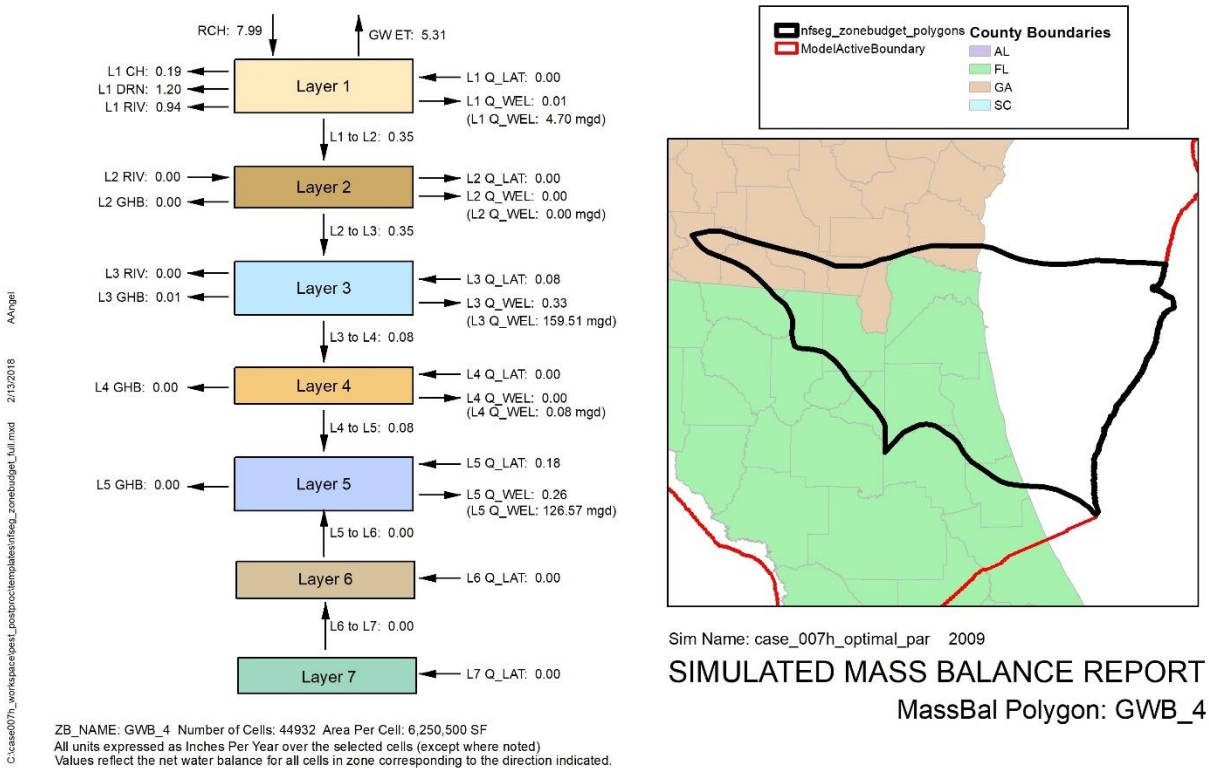

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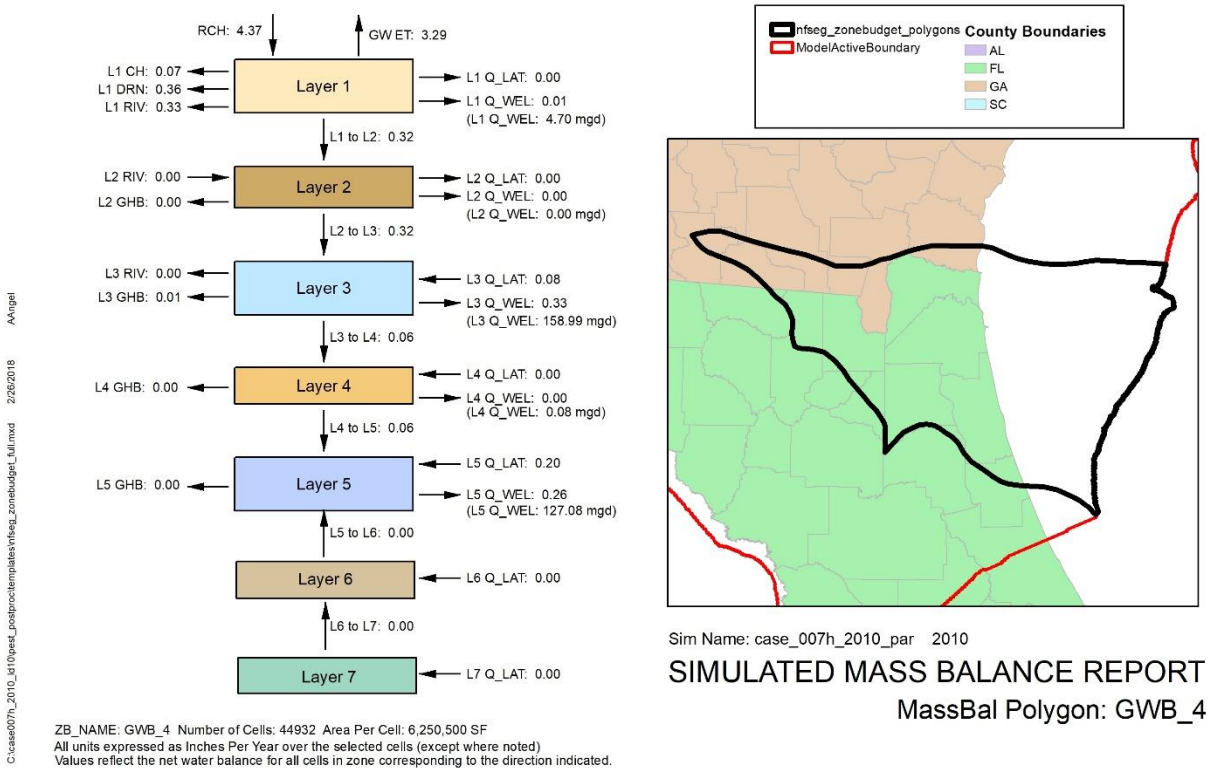

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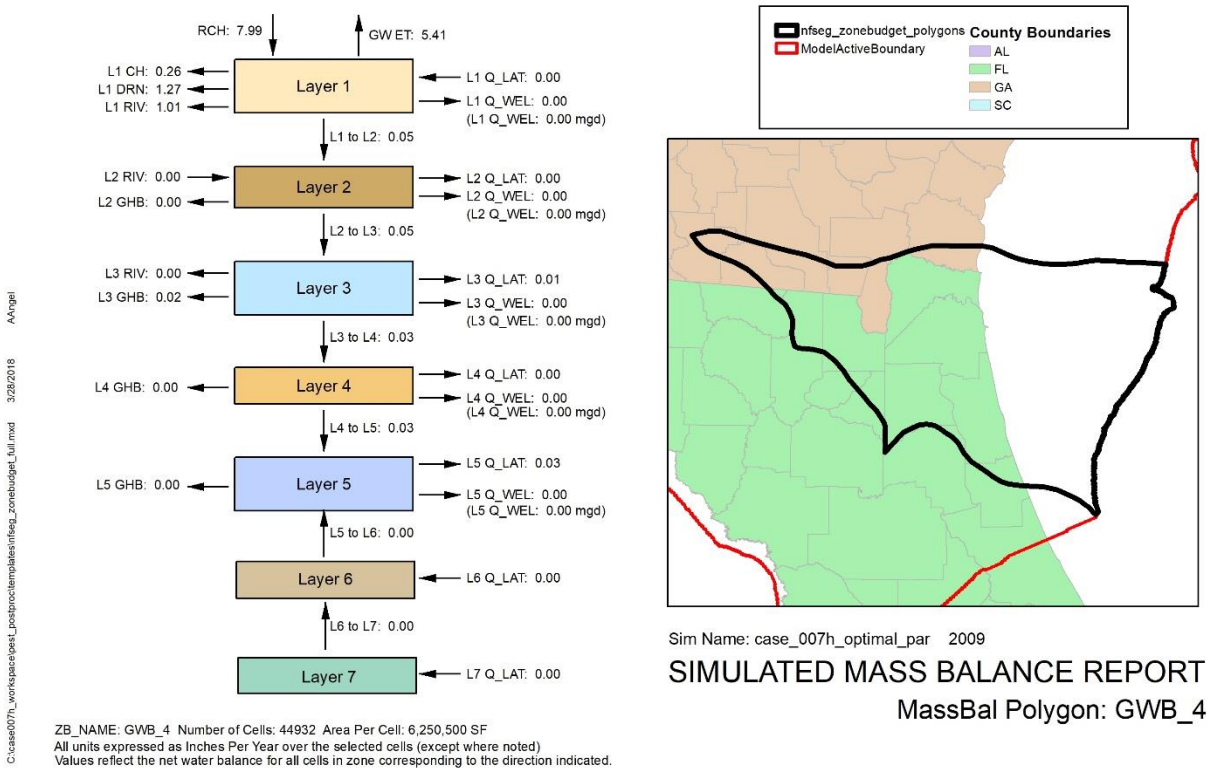

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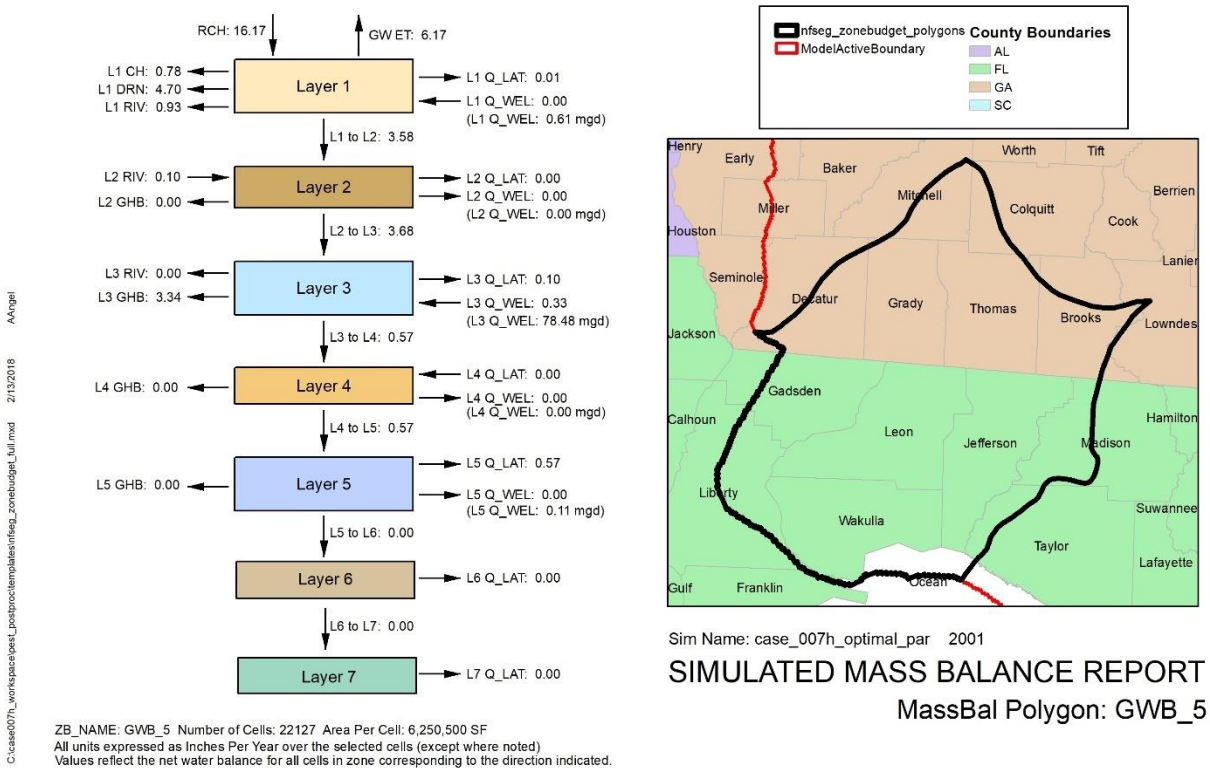

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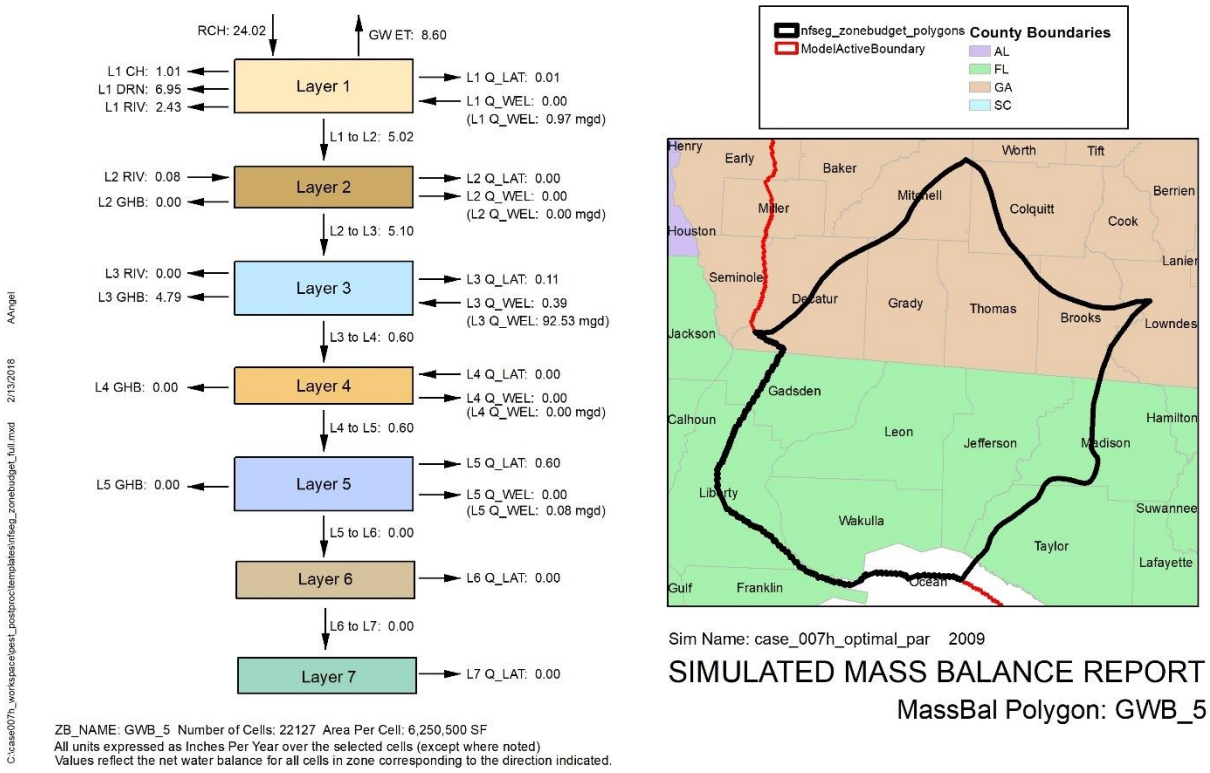

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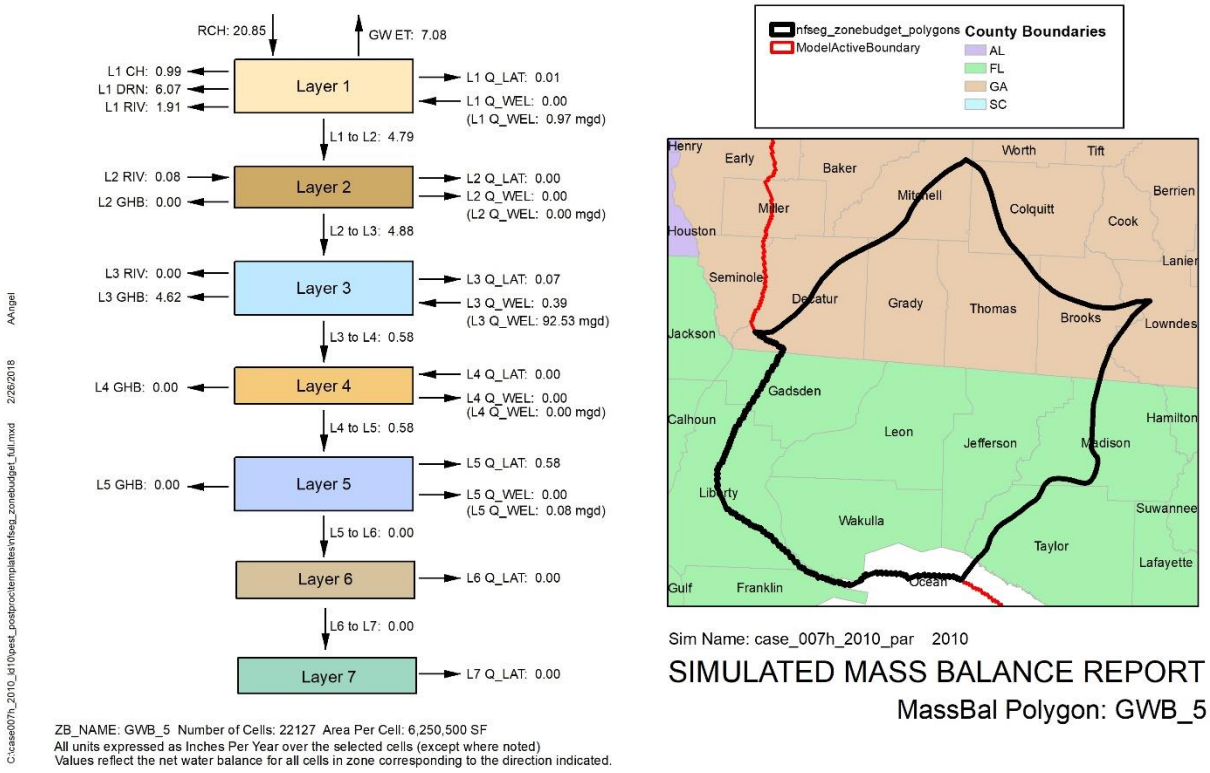

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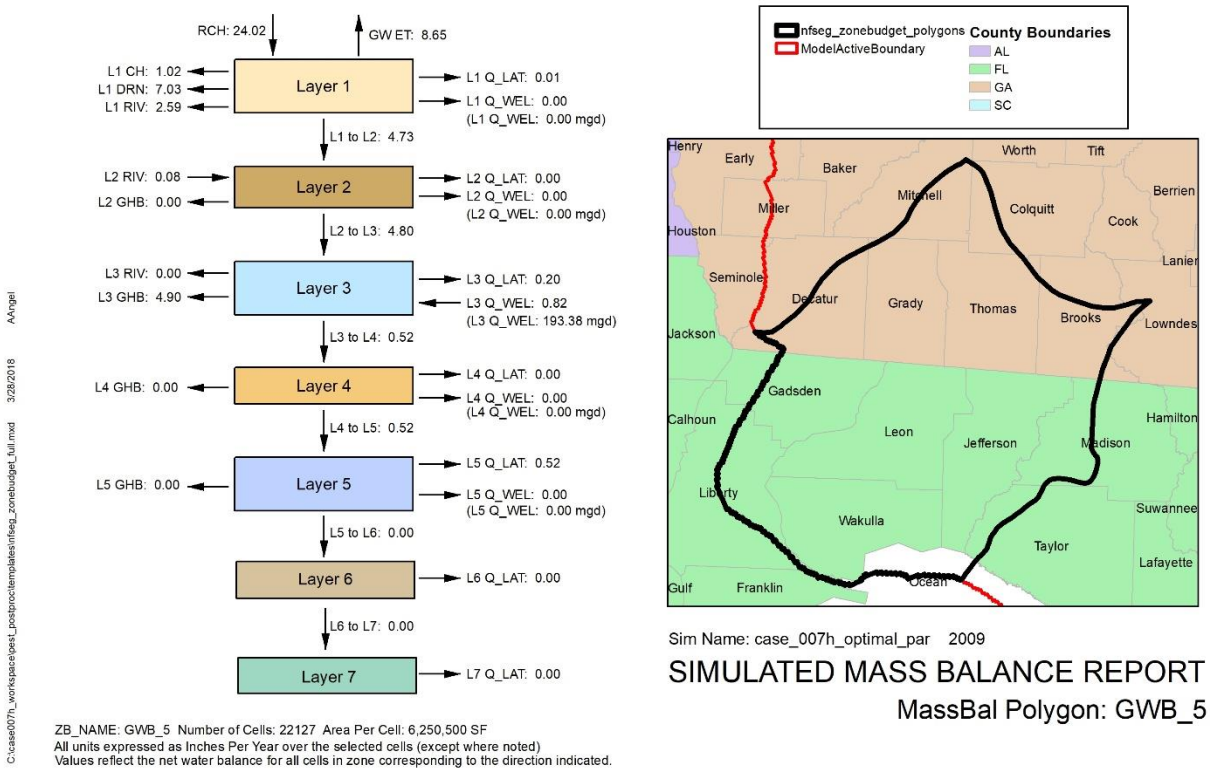

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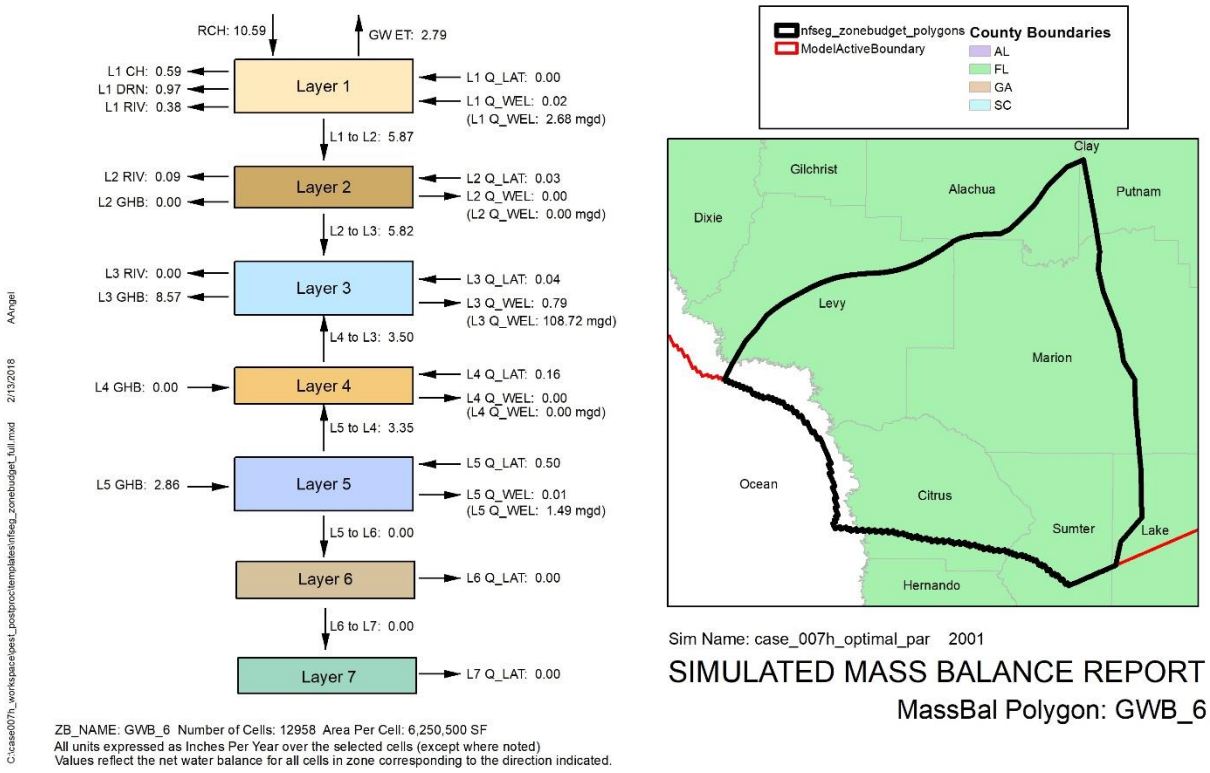

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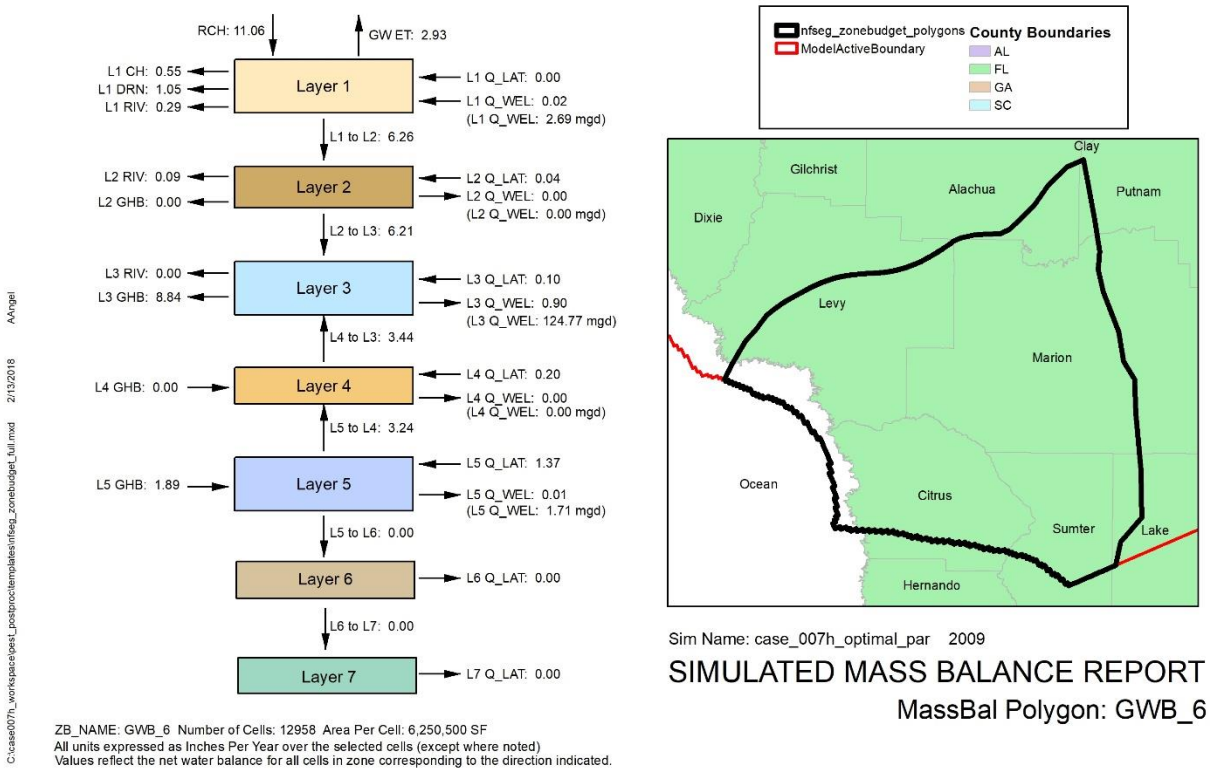

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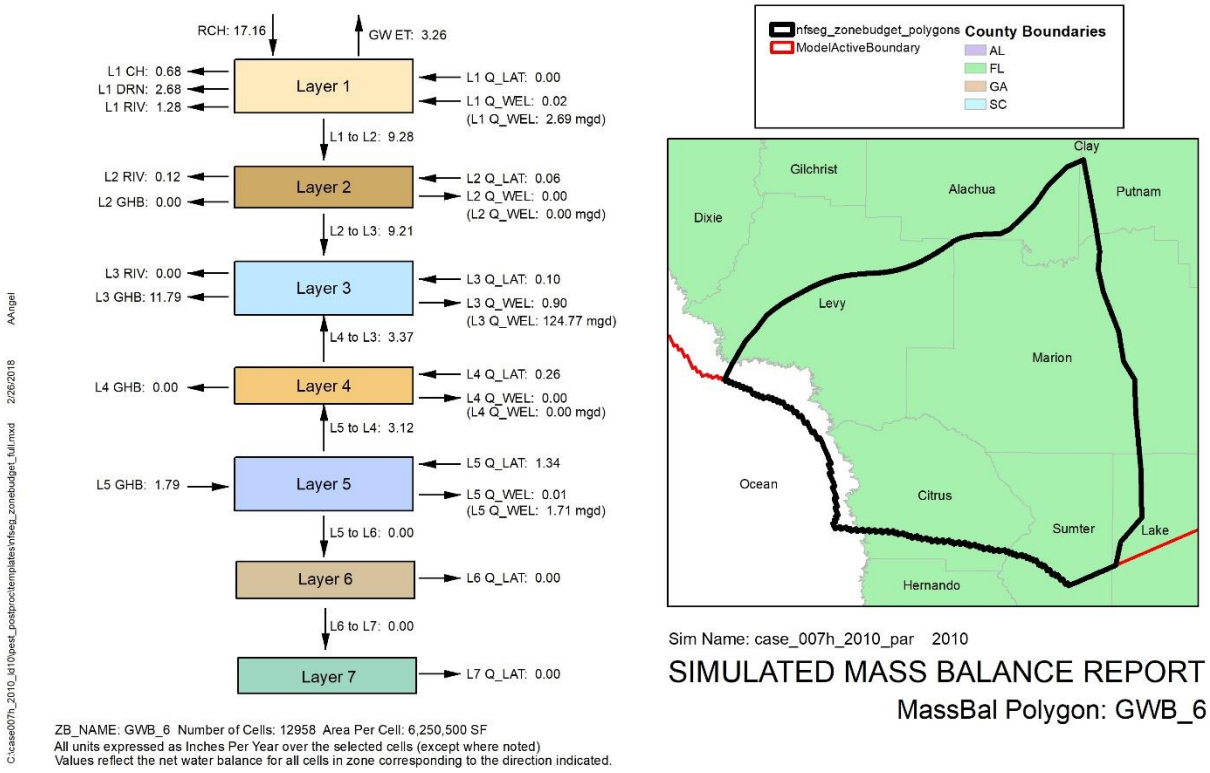

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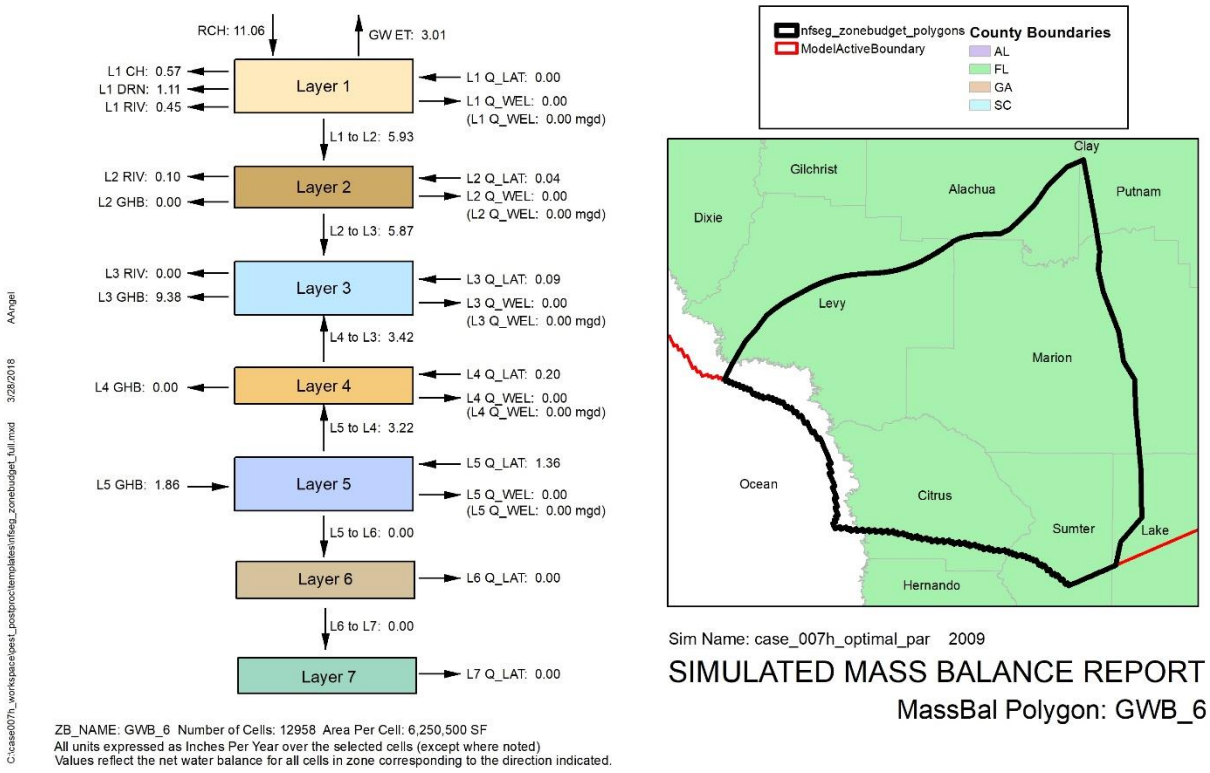

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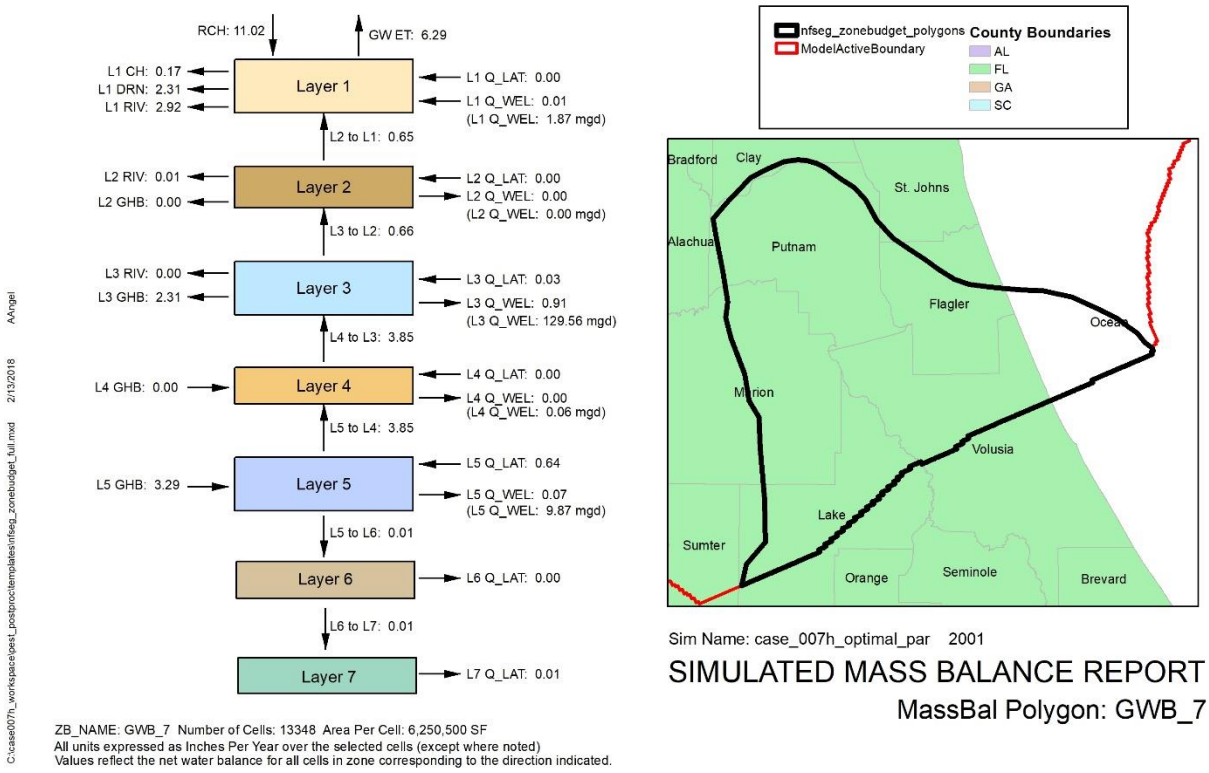

Figure 6-30. Simulated mass balance of GWB 7 for 2001

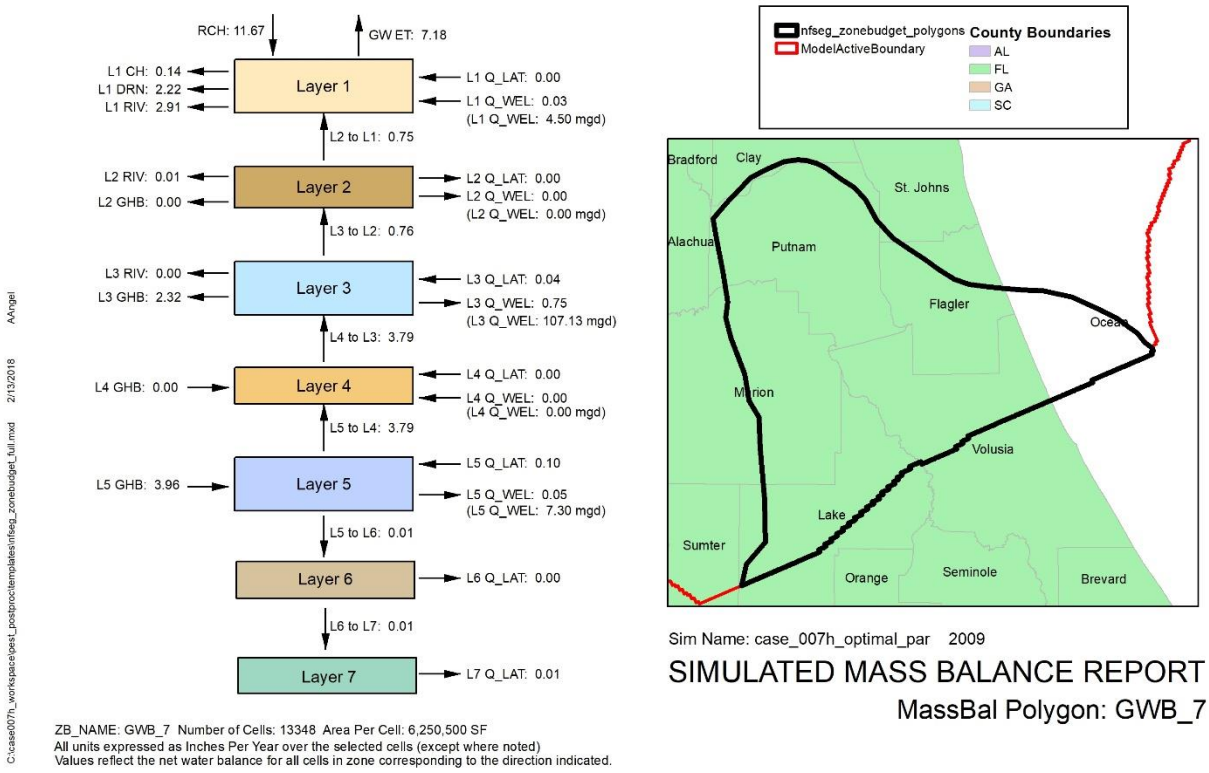

Figure 6-31. Simulated mass balance of GWB 7 for 2009

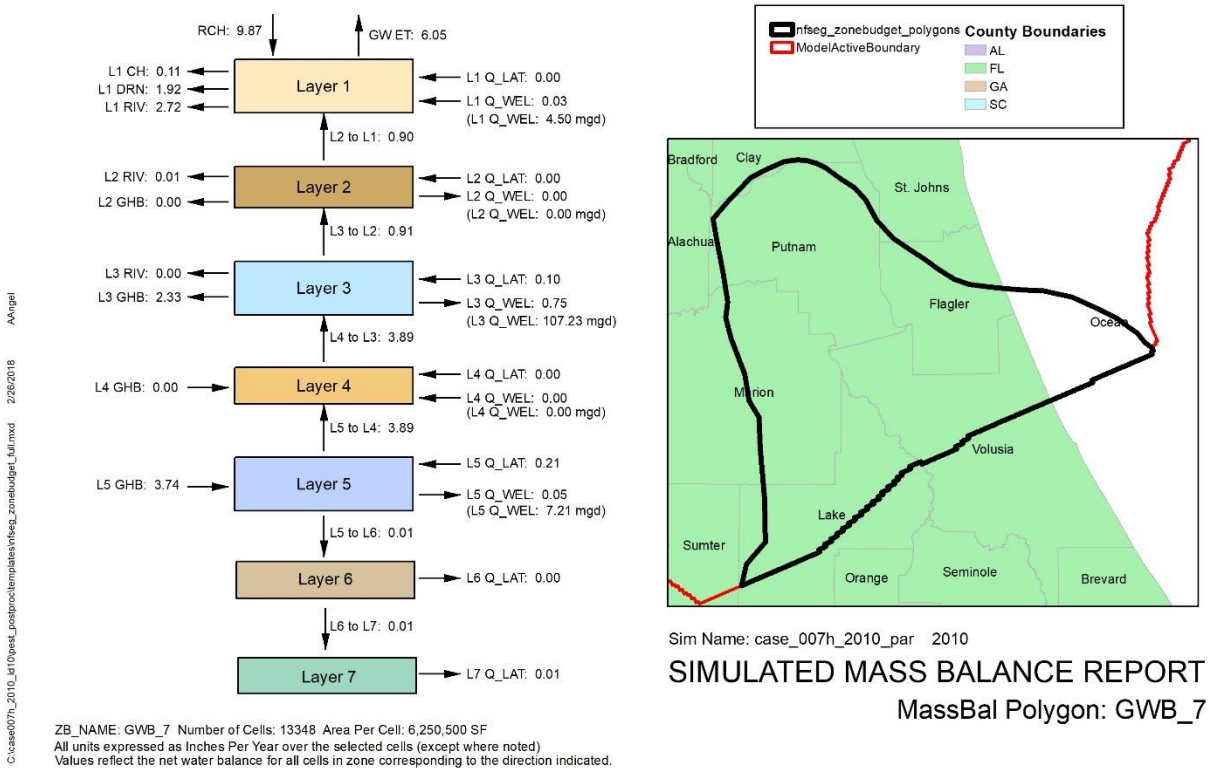

Figure 6-32. Simulated mass balance of GWB 7 for 2010

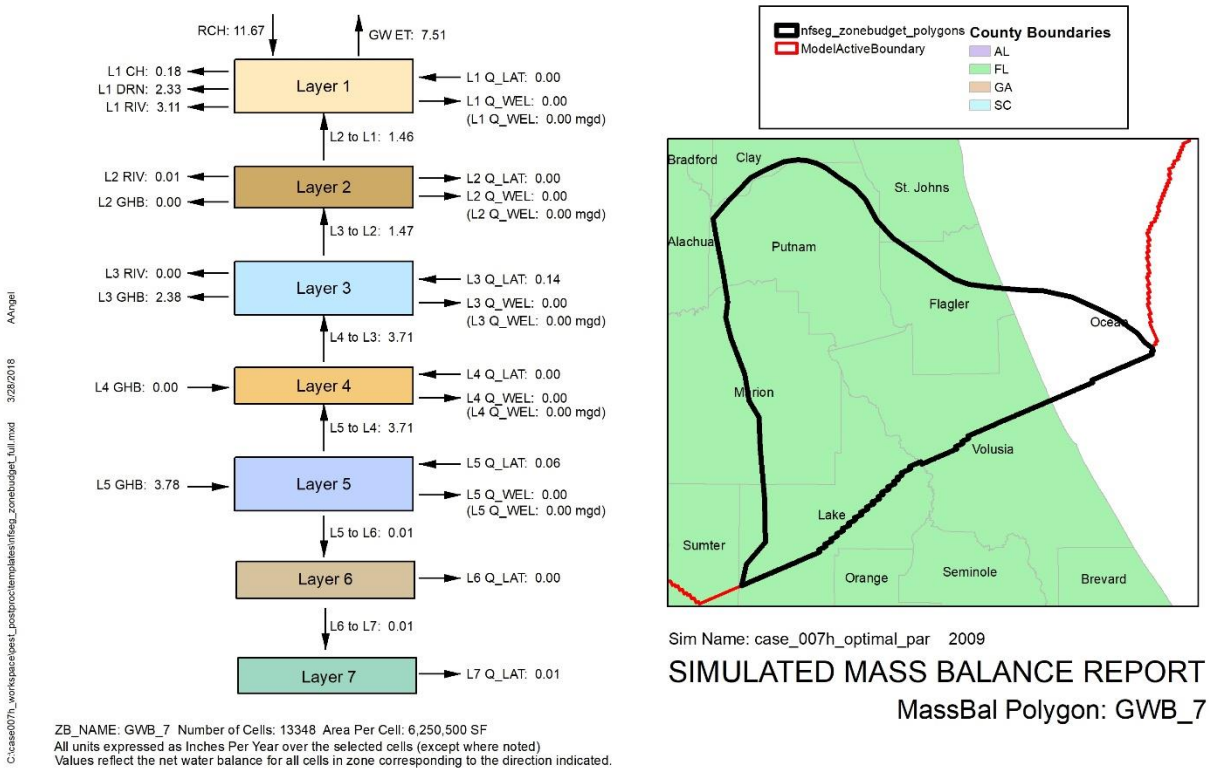

Figure 6-33. Simulated mass balance of GWB 7 for no-pumping

Table 6-1. Simulated model wide mass balance for 2001 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.15	-1.66	0.00	0.00	-4.74	0.00	-1.82E-04	9.67	-1.36	-1.76
Layer 2	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	-0.26	-1.51
Layer 3	0.00	0.00	-0.08	-1.36	0.00	0.00	-0.43	0.00	-0.01	0.37
Layer 4	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.33
Layer 5	0.00	0.00	0.39	0.00	0.00	0.00	-0.06	0.00	0.00	-2.07E-07
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05E-08
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-2. Simulated model wide mass balance for 2009 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.21	-2.59	0.00	0.00	-6.86	0.00	1.49E-03	13.9	-2.19	-2.07
Layer 2	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	-0.29	-1.78
Layer 3	0.00	0.00	-0.08	-1.63	0.00	0.00	-0.40	0.00	-0.01	0.35
Layer 4	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.31
Layer 5	0.00	0.00	0.36	0.00	0.00	0.00	0.05	0.00	0.00	-4.12E-07
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.92E-07
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-3. Simulated model wide mass balance for 2010 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.17	-1.93	0.00	0.00	-5.25	0.00	1.49E-03	11.0	-1.52	-2.17
Layer 2	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	-0.25	-1.92
Layer 3	0.00	0.00	-0.37	-1.48	0.00	0.00	-0.40	0.00	-0.01	0.34
Layer 4	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.30
Layer 5	0.00	0.00	0.35	0.00	0.00	0.00	0.05	0.00	0.00	-2.28E-07
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.89E-08
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-4. Simulated model wide mass balance for no-pumping (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.25	-2.65	0.00	0.00	6.95	0.00	0.00	13.9	-2.37	-1.70
Layer 2	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	-0.33	-1.37
Layer 3	0.00	0.00	-0.09	-1.74	0.00	0.00	0.10	0.00	-0.02	0.38
Layer 4	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.34
Layer 5	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	-2.52E-07
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.25E-09
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-5. Simulated mass balance of GWB 1 for 2001 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	0.02	-1.77	0.00	0.00	-5.11	-1.71E-03	0.00	8.95	-1.69	-0.40
Layer 2	0.00	0.00	0.00	0.00	0.00	-5.37E-06	0.00	0.00	-0.07	-0.33
Layer 3	0.00	0.00	0.01	0.00	0.00	-0.02	-0.35	0.00	-0.03	0.05
Layer 4	0.00	0.00	0.08	0.00	0.00	2.02E-03	0.00	0.00	0.00	-0.03
Layer 5	0.00	0.00	0.08	0.00	0.00	-0.11	-0.01	0.00	0.00	-7.94E-05
Layer 6	0.00	0.00	0.00	0.00	0.00	5.42E-09	0.00	0.00	0.00	-7.93E-05
Layer 7	0.00	0.00	0.00	0.00	0.00	-7.93E-05	0.00	0.00	0.00	

Table 6-6. Simulated mass balance of GWB 1 for 2009 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.03	-2.92	0.00	0.00	-7.65	-2.21E-03	0.00	13.6	-2.58	-0.43
Layer 2	0.00	0.00	0.00	0.00	0.00	-5.78E-06	0.00	0.00	-0.09	-0.34
Layer 3	0.00	0.00	0.01	0.00	0.00	-0.02	-0.33	0.00	-0.03	0.02
Layer 4	0.00	0.00	0.07	0.00	0.00	1.67E-03	0.00	0.00	0.00	-0.05
Layer 5	0.00	0.00	0.07	0.00	0.00	-0.12	-0.01	0.00	0.00	-3.41E-05
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.39E-05
Layer 7	0.00	0.00	0.00	0.00	0.00	-3.39E-05	0.00	0.00	0.00	

Table 6-7. Simulated mass balance of GWB 1 for 2010 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	0.02	-1.81	0.00	0.00	-5.25	0.00	0.00	9.53	-1.63	-0.39
Layer 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.32
Layer 3	0.00	0.00	0.01	0.00	0.00	0.02	-0.33	0.00	-0.03	0.05
Layer 4	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	-0.04
Layer 5	0.00	0.00	0.08	0.00	0.00	0.11	-0.01	0.00	0.00	-2.28E-07
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.89E-08
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-8. Simulated mass balance of GWB 1 for no-pumping (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.08	-2.96	0.00	0.00	-7.71	-2.18E-03	0.00	13.6	-2.67	-0.21
Layer 2	0.00	0.00	0.00	0.00	0.00	-5.58E-06	0.00	0.00	-0.10	-0.11
Layer 3	0.00	0.00	0.01	0.00	0.00	-0.03	0.00	0.00	-0.03	-0.06
Layer 4	0.00	0.00	0.07	0.00	0.00	6.06E-04	0.00	0.00	0.00	-0.13
Layer 5	0.00	0.00	0.07	0.00	0.00	-0.21	0.00	0.00	0.00	-7.61E-05
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-7.60E-05
Layer 7	0.00	0.00	0.00	0.00	0.00	-7.60E-05	0.00	0.00	0.00	

Table 6-9. Simulated mass balance of GWB 2 for 2001 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	0.00	-0.65	0.00	0.00	-2.54	0.02	0.00	14.5	-6.14	-5.20
Layer 2	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	-4.12	-1.10
Layer 3	0.00	0.00	0.00	0.00	0.00	0.34	-2.09	0.00	-0.01	0.66
Layer 4	0.00	0.00	0.07	0.00	0.00	0.02	0.00	0.00	0.00	0.60
Layer 5	0.00	0.00	0.69	0.00	0.00	0.03	-0.05	0.00	0.00	0.00
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-10. Simulated mass balance of GWB 2 for 2009 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	0.00	-0.95	0.00	0.00	-4.30	0.02	0.00	20.1	-8.37	-6.48
Layer 2	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	-4.37	-2.14
Layer 3	0.00	0.00	0.00	0.00	0.00	0.28	-2.91	0.00	-0.01	0.50
Layer 4	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.48
Layer 5	0.00	0.00	0.54	0.00	0.00	0.03	-0.03	0.00	0.00	0.00
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-11. Simulated mass balance of GWB 2 for 2010 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	0.00	-0.59	0.00	0.00	-3.09	0.02	0.00	14.8	-5.38	-5.72
Layer 2	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	-3.68	-2.06
Layer 3	0.00	0.00	0.00	0.00	0.00	0.18	-2.91	0.00	-0.01	0.67
Layer 4	0.00	0.00	0.07	0.00	0.00	0.02	0.00	0.00	0.00	0.61
Layer 5	0.00	0.00	0.68	0.00	0.00	0.04	-0.03	0.00	0.00	0.00
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-12. Simulated mass balance of GWB 2 for no-pumping (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	0.00	-1.12	0.00	0.00	-4.59	0.02	0.00	20.1	-10.7	-3.70
Layer 2	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	-4.99	1.24
Layer 3	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	-0.01	0.49
Layer 4	0.00	0.00	0.01	0.00	0.00	3.79E-04	0.00	0.00	0.00	0.48
Layer 5	0.00	0.00	0.48	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-13. Simulated mass balance of GWB 3 for 2001 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.29	-0.86	0.00	0.00	-4.32	-4.02E-04	1.19E-03	11.3	0.06	-5.92
Layer 2	0.00	0.00	0.00	-0.00	0.00	-0.01	0.00	0.00	-0.69	-5.22
Layer 3	0.00	0.00	-0.01	-5.17	0.00	0.12	-0.47	0.00	-0.01	0.32
Layer 4	0.00	0.00	0.00	0.00	0.00	-0.06	0.00	0.00	0.00	0.38
Layer 5	0.00	0.00	0.00	0.00	0.00	0.37	0.01	0.00	0.00	1.77E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	-8.59E-08	0.00	0.00	0.00	1.77E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	1.77E-03	0.00	0.00	0.00	

Table 6-14. Simulated mass balance of GWB 3 for 2009 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.39	-1.56	0.00	0.00	-6.80	-7.14E-04	1.86E-03	16.7	-1.04	-6.88
Layer 2	0.00	0.00	0.00	-0.00	0.00	-0.01	0.00	0.00	-0.79	-6.08
Layer 3	0.00	0.00	-0.21	-6.10	0.00	0.14	-0.24	0.00	-0.01	0.33
Layer 4	0.00	0.00	0.00	0.00	0.00	-0.08	0.00	0.00	0.00	0.41
Layer 5	0.00	0.00	0.00	0.00	0.00	0.39	0.01	0.00	0.00	2.04E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	-8.59E-08	0.00	0.00	0.00	2.04E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	2.04E-03	0.00	0.00	0.00	

Table 6-15. Simulated mass balance of GWB 3 for 2010 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.41	-1.90	0.00	0.00	-5.90	-6.89E-04	1.86E-03	16.5	-1.10	-7.15
Layer 2	0.00	0.00	0.00	-0.00	0.00	-0.01	0.00	0.00	-0.72	-6.41
Layer 3	0.00	0.00	-1.65	-4.75	0.00	0.10	-0.24	0.00	-0.01	0.13
Layer 4	0.00	0.00	0.00	0.00	0.00	-0.10	0.00	0.00	0.00	0.23
Layer 5	0.00	0.00	0.00	0.00	0.00	0.21	0.01	0.00	0.00	1.23E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	-8.59E-08	0.00	0.00	0.00	1.23E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	1.23E-03	0.00	0.00	0.00	

Table 6-16. Simulated mass balance of GWB 3 for no-pumping (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.39	-1.60	0.00	0.00	-6.90	-6.94E-04	0.00	16.7	-1.19	-6.59
Layer 2	0.00	0.00	0.00	-0.00	0.00	-0.01	0.00	0.00	-0.90	-5.68
Layer 3	0.00	0.00	-0.02	-6.95	0.00	0.20	0.24	0.00	-0.01	0.86
Layer 4	0.00	0.00	0.00	0.00	0.00	-0.07	0.00	0.00	0.00	0.93
Layer 5	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00	2.50E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	-8.59E-08	0.00	0.00	0.00	2.50E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	2.50E-03	0.00	0.00	0.00	

Table 6-17. Simulated mass balance of GWB 4 for 2001 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.13	-0.66	0.00	0.00	-3.81	1.46E-04	-0.01	5.62	-0.62	-0.39
Layer 2	0.00	0.00	0.00	-0.00	0.00	-6.25E-06	0.00	0.00	2.80E-03	-0.39
Layer 3	0.00	0.00	-0.01	-0.00	0.00	0.09	-0.39	0.00	0.00	-0.08
Layer 4	0.00	0.00	0.00	0.00	0.00	2.41E-03	0.00	0.00	0.00	-0.08
Layer 5	0.00	0.00	0.00	0.00	0.00	0.21	-0.30	0.00	0.00	3.50E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	1.72E-07	0.00	0.00	0.00	3.50E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	3.50E-03	0.00	0.00	0.00	

Table 6-18. Simulated mass balance of GWB 4 for 2009 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.19	-1.20	0.00	0.00	-5.31	7.19E-05	-0.01	7.99	-0.94	-0.35
Layer 2	0.00	0.00	0.00	-0.00	0.00	-4.18E-06	0.00	0.00	2.94E-03	-0.35
Layer 3	0.00	0.00	-0.01	-0.00	0.00	0.08	-0.33	0.00	0.00	-0.08
Layer 4	0.00	0.00	0.00	0.00	0.00	1.89E-03	0.00	0.00	0.00	-0.08
Layer 5	0.00	0.00	0.00	0.00	0.00	0.18	-0.26	0.00	0.00	3.29E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	1.87E-07	0.00	0.00	0.00	3.29E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	3.29E-03	0.00	0.00	0.00	

Table 6-19. Simulated mass balance of GWB 4 for 2010 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.07	-0.36	0.00	0.00	-3.29	-6.30E-05	-0.01	4.37	-0.33	-0.32
Layer 2	0.00	0.00	-0.00	0.00	0.00	-7.53E-06	0.00	0.00	3.87E-03	-0.32
Layer 3	0.00	0.00	-0.01	-0.00	0.00	0.08	-0.33	0.00	0.00	-0.06
Layer 4	0.00	0.00	0.00	0.00	0.00	2.61E-03	0.00	0.00	0.00	-0.06
Layer 5	0.00	0.00	0.00	0.00	0.00	0.20	-0.26	0.00	0.00	3.51E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	1.72E-07	0.00	0.00	0.00	3.51E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	3.51E-03	0.00	0.00	0.00	

Table 6-20. Simulated mass balance of GWB 4 for no-pumping (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.25	-1.27	0.00	0.00	-5.41	7.77E-05	0.00	7.99	-1.01	-0.05
Layer 2	0.00	0.00	0.00	-0.00	0.00	-4.96E-06	0.00	0.00	1.53E-03	-0.05
Layer 3	0.00	0.00	-0.02	-0.00	0.00	-0.01	0.00	0.00	0.00	-0.03
Layer 4	0.00	0.00	0.00	0.00	0.00	-5.65E-05	0.00	0.00	0.00	-0.03
Layer 5	0.00	0.00	0.00	0.00	0.00	-0.03	0.00	0.00	0.00	2.05E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	1.40E-07	0.00	0.00	0.00	2.05E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	2.05E-03	0.00	0.00	0.00	

Table 6-21. Simulated mass balance of GWB 5 for 2001 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.78	-4.70	0.00	0.00	-6.17	-6.19E-03	2.60E-03	16.2	-0.93	-3.58
Layer 2	0.00	0.00	0.00	0.00	0.00	-1.32E-03	0.00	0.00	0.10	-3.68
Layer 3	0.00	0.00	0.54	-3.88	0.00	-0.10	0.33	0.00	0.00	-0.57
Layer 4	0.00	0.00	0.00	0.00	0.00	3.24E-04	0.00	0.00	0.00	-0.57
Layer 5	0.00	0.00	0.00	0.00	0.00	-0.57	-4.84E-04	0.00	0.00	0.00
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-22. Simulated mass balance of GWB 5 for 2009 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-1.01	-6.95	0.00	0.00	-8.60	-6.59E-03	4.11E-03	24.0	-2.43	-5.02
Layer 2	0.00	0.00	0.00	0.00	0.00	-3.28E-03	0.00	0.00	0.08	-5.10
Layer 3	0.00	0.00	-0.60	-4.19	0.00	-0.11	0.39	0.00	0.00	-0.60
Layer 4	0.00	0.00	0.00	0.00	0.00	8.38E-04	0.00	0.00	0.00	-0.60
Layer 5	0.00	0.00	0.00	0.00	0.00	-0.60	-3.46E-04	0.00	0.00	0.00
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-23. Simulated mass balance of GWB 5 for 2010 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.99	-6.07	0.00	0.00	-7.08	-7.29E-03	4.11E-03	20.9	-1.91	-4.79
Layer 2	0.00	0.00	0.00	0.00	0.00	-2.48E-03	0.00	0.00	0.08	-4.87
Layer 3	0.00	0.00	0.57	-5.19	0.00	-0.07	0.39	0.00	0.00	-0.58
Layer 4	0.00	0.00	0.00	0.00	0.00	1.04E-03	0.00	0.00	0.00	-0.58
Layer 5	0.00	0.00	0.00	0.00	0.00	-0.58	-3.46E-04	0.00	0.00	0.00
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-24. Simulated mass balance of GWB 5 for no-pumping (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-1.02	-7.03	0.00	0.00	-8.65	0.01	0.00	24.0	-2.59	-4.73
Layer 2	0.00	0.00	0.00	0.00	0.00	-3.68E-03	0.00	0.00	0.08	-4.81
Layer 3	0.00	0.00	0.64	-5.54	0.00	-0.20	0.82	0.00	0.00	-0.52
Layer 4	0.00	0.00	0.00	0.00	0.00	-1.72E-04	0.00	0.00	0.00	-0.52
Layer 5	0.00	0.00	0.00	0.00	0.00	-0.52	0.00	0.00	0.00	0.00
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Layer 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Table 6-25. Simulated mass balance of GWB 6 for 2001 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.59	-0.97	0.00	0.00	-2.79	1.35E-03	0.02	10.6	-0.38	-5.87
Layer 2	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	-0.09	-5.82
Layer 3	0.00	0.00	-2.57	-6.00	0.00	0.04	-0.79	0.00	0.00	3.50
Layer 4	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	3.35
Layer 5	0.00	0.00	2.86	0.00	0.00	0.50	-0.01	0.00	0.00	-2.68E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.68E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	-2.68E-03	0.00	0.00	0.00	

Table 6-26. Simulated mass balance of GWB 6 for 2009 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.55	-1.05	0.00	0.00	-2.93	1.52E-03	0.02	11.1	-0.29	-6.26
Layer 2	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	-0.09	-6.21
Layer 3	0.00	0.00	-2.72	-6.12	0.00	0.10	-0.90	0.00	0.00	3.44
Layer 4	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	3.24
Layer 5	0.00	0.00	1.89	0.00	0.00	1.37	-0.01	0.00	0.00	-2.37E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.37E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	-2.37E-03	0.00	0.00	0.00	

Table 6-27. Simulated mass balance of GWB 6 for 2010 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.68	-2.68	0.00	0.00	-3.26	1.55E-03	0.02	17.2	-1.28	-9.28
Layer 2	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	-0.12	-9.21
Layer 3	0.00	0.00	-4.19	-7.60	0.00	0.10	-0.90	0.00	0.00	3.37
Layer 4	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	3.12
Layer 5	0.00	0.00	1.79	0.00	0.00	1.34	-0.01	0.00	0.00	-2.24E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.24E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	-2.24E-03	0.00	0.00	0.00	

Table 6-28. Simulated mass balance of GWB 6 for no-pumping (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.57	-1.11	0.00	0.00	-3.01	1.53E-03	0.00	11.1	-0.45	-5.93
Layer 2	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	-0.10	-5.87
Layer 3	0.00	0.00	-2.84	-6.54	0.00	0.09	0.00	0.00	0.00	3.42
Layer 4	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	3.22
Layer 5	0.00	0.00	1.86	0.00	0.00	1.36	0.00	0.00	0.00	-1.98E-03
Layer 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.98E-03
Layer 7	0.00	0.00	0.00	0.00	0.00	-1.98E-03	0.00	0.00	0.00	

Table 6-29. Simulated mass balance of GWB 7 for 2001 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.17	-2.31	0.00	0.00	-6.29	3.75E-03	0.01	11.0	-2.92	0.65
Layer 2	0.00	0.00	0.00	0.00	0.00	3.10E-05	0.00	0.00	-0.01	0.66
Layer 3	0.00	0.00	-0.04	-2.27	0.00	0.03	-0.91	0.00	0.00	3.85
Layer 4	0.00	0.00	0.00	0.00	0.00	5.92E-04	0.00	0.00	0.00	3.85
Layer 5	0.00	0.00	3.29	0.00	0.00	0.64	-0.07	0.00	0.00	-0.01
Layer 6	0.00	0.00	0.00	0.00	0.00	-5.25E-07	0.00	0.00	0.00	-0.01
Layer 7	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	

Table 6-30. Simulated mass balance of GWB 7 for 2009 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.14	-2.22	0.00	0.00	-7.18	3.67E-03	0.03	11.7	-2.91	0.75
Layer 2	0.00	0.00	0.00	0.00	0.00	-3.79E-05	0.00	0.00	-0.01	0.76
Layer 3	0.00	0.00	-0.01	-2.31	0.00	0.04	-0.75	0.00	0.00	3.79
Layer 4	0.00	0.00	0.00	0.00	0.00	4.62E-04	0.00	0.00	0.00	3.79
Layer 5	0.00	0.00	3.96	0.00	0.00	-0.10	-0.05	0.00	0.00	-0.01
Layer 6	0.00	0.00	0.00	0.00	0.00	-6.30E-07	0.00	0.00	0.00	-0.01
Layer 7	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	

Table 6-31. Simulated mass balance of GWB 7 for 2010 (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.11	-1.92	0.00	0.00	-6.05	3.62E-03	0.03	9.87	-2.72	0.90
Layer 2	0.00	0.00	0.00	0.00	0.00	7.06E-05	0.00	0.00	-0.01	0.91
Layer 3	0.00	0.00	-0.33	-2.00	0.00	0.10	-0.75	0.00	0.00	3.89
Layer 4	0.00	0.00	0.00	0.00	0.00	1.18E-03	0.00	0.00	0.00	3.89
Layer 5	0.00	0.00	3.74	0.00	0.00	0.21	-0.05	0.00	0.00	-0.01
Layer 6	0.00	0.00	0.00	0.00	0.00	-6.30E-07	0.00	0.00	0.00	-0.01
Layer 7	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	

Table 6-32. Simulated mass balance of GWB 7 for no-pumping (all flows in/yr)

	CH	DRN	GHB	GHB Spring Flows	GW ET	LAT, Q/LAT	Q_WEL	RCH	RIV	Flow to lower layer
Layer 1	-0.18	-2.33	0.00	0.00	-7.51	3.95E-03	0.00	11.7	-3.11	1.46
Layer 2	0.00	0.00	0.00	0.00	0.00	-3.53E-05	0.00	0.00	-0.01	1.47
Layer 3	0.00	0.00	-0.02	-2.36	0.00	0.13	0.01	0.00	0.00	3.70
Layer 4	0.00	0.00	0.00	0.00	0.00	8.36E-04	0.00	0.00	0.00	3.70
Layer 5	0.00	0.00	3.78	0.00	0.00	-0.08	0.00	0.00	0.00	-0.01
Layer 6	0.00	0.00	0.00	0.00	0.00	-4.72E-07	0.00	0.00	0.00	-0.01
Layer 7	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	