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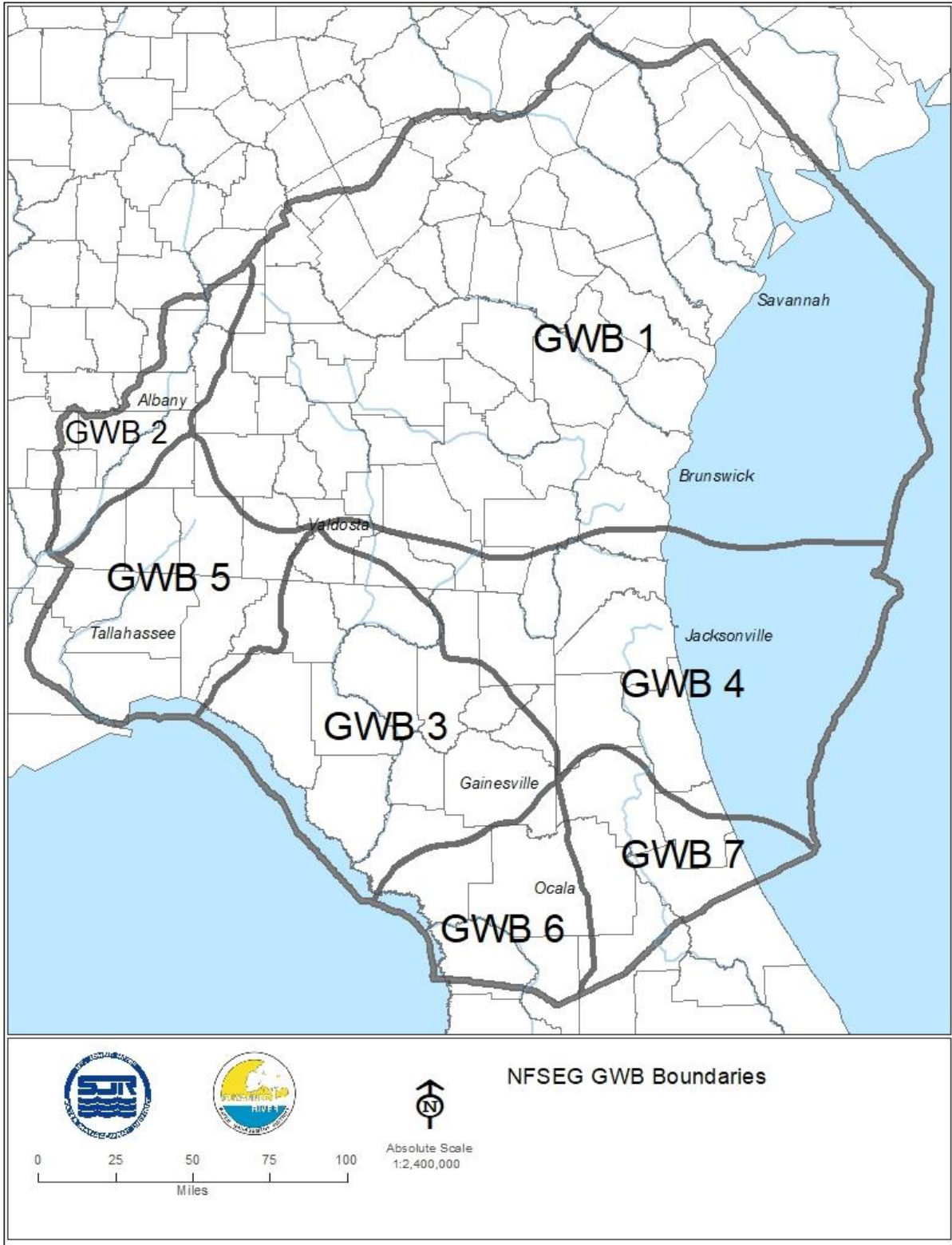
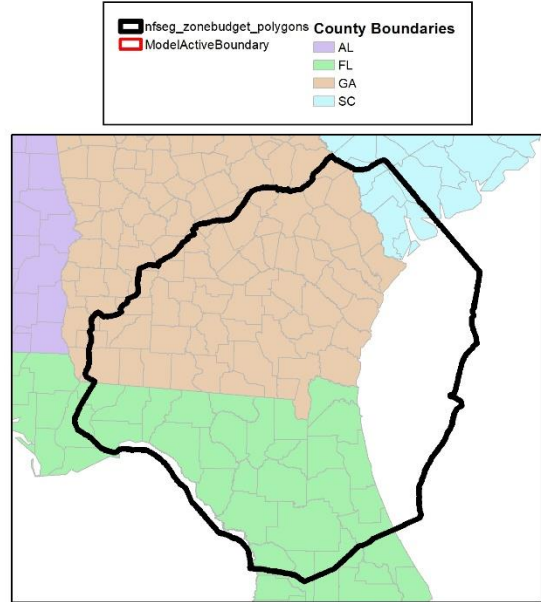
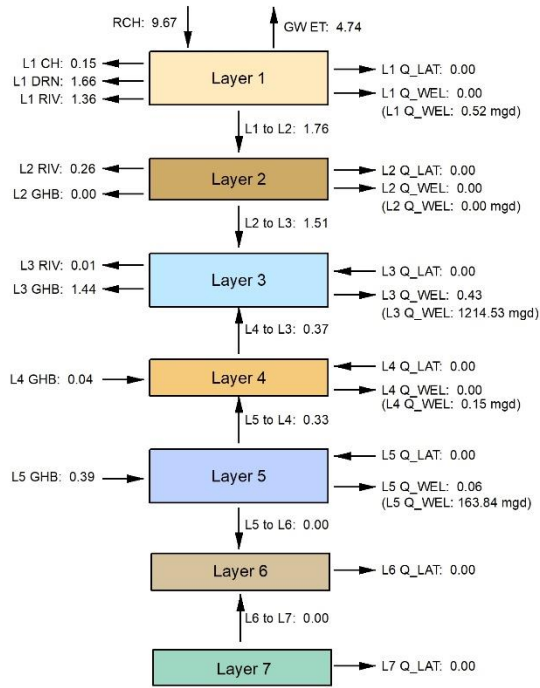


Figure 6-1 Map of all groundwater basins (GWB) within the model boundary

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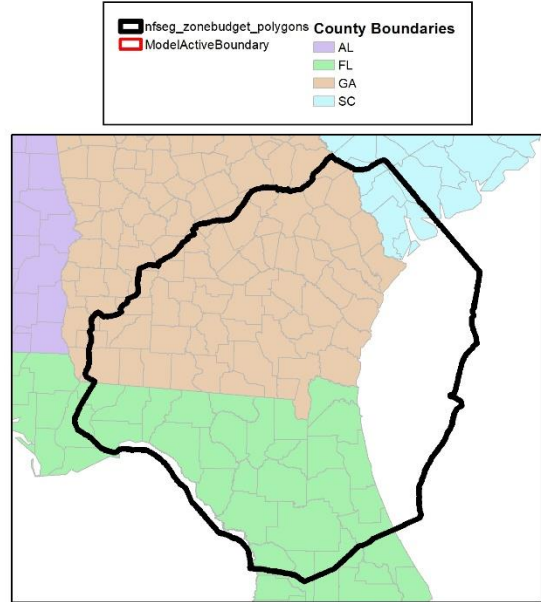
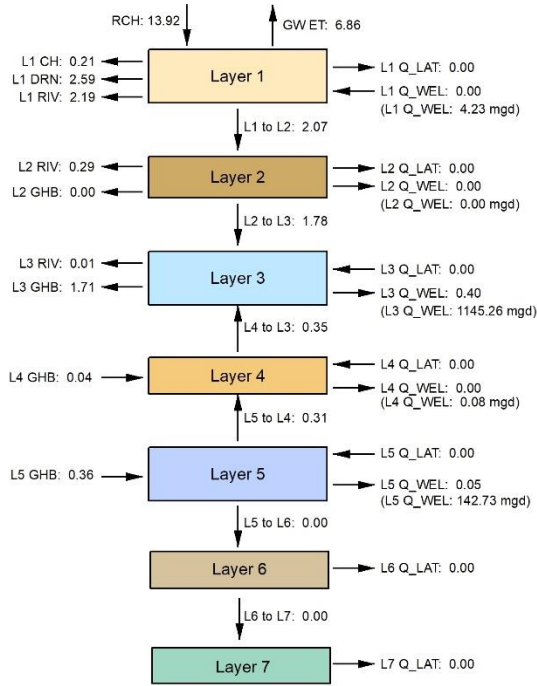


Sim Name: case_007h_optimal_par 2001
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: Modelwide Active L1

ZB_NAME: Modelwide Active L1 Number of Cells: 266895 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-2 Simulated model wide mass balance for 2001

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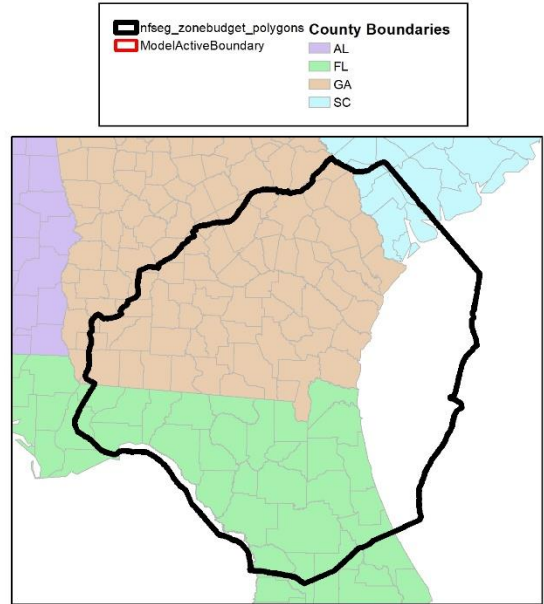
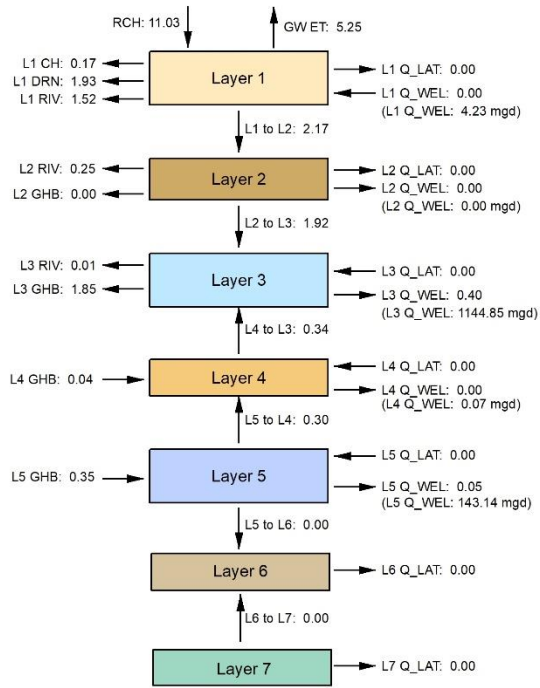


Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: Modelwide Active L1

ZB_NAME: Modelwide Active L1 Number of Cells: 266895 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-3 Simulated model wide mass balance for 2009

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Sim Name: case_007h_2010_par 2010
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: Modelwide Active L1

ZB_NAME: Modelwide Active L1 Number of Cells: 266895 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-4. Simulated model wide mass balance for 2010

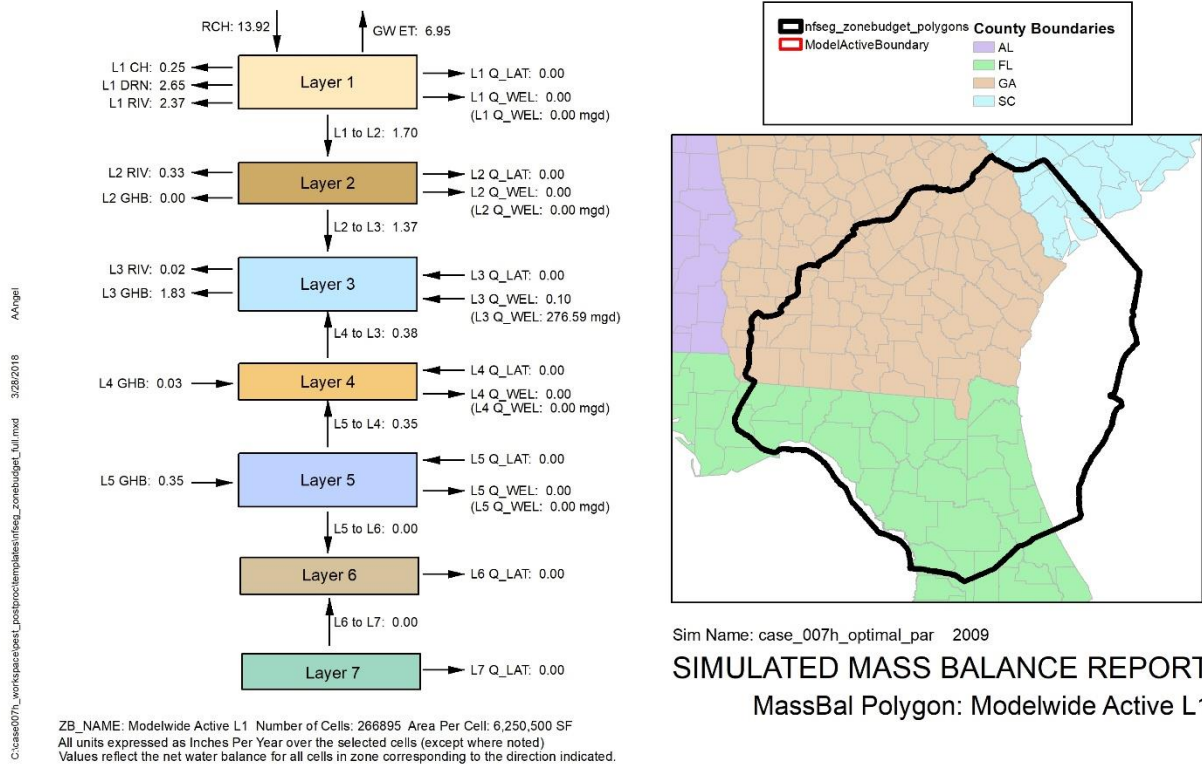


Figure 6-5. Simulated model wide mass balance for no-pumping

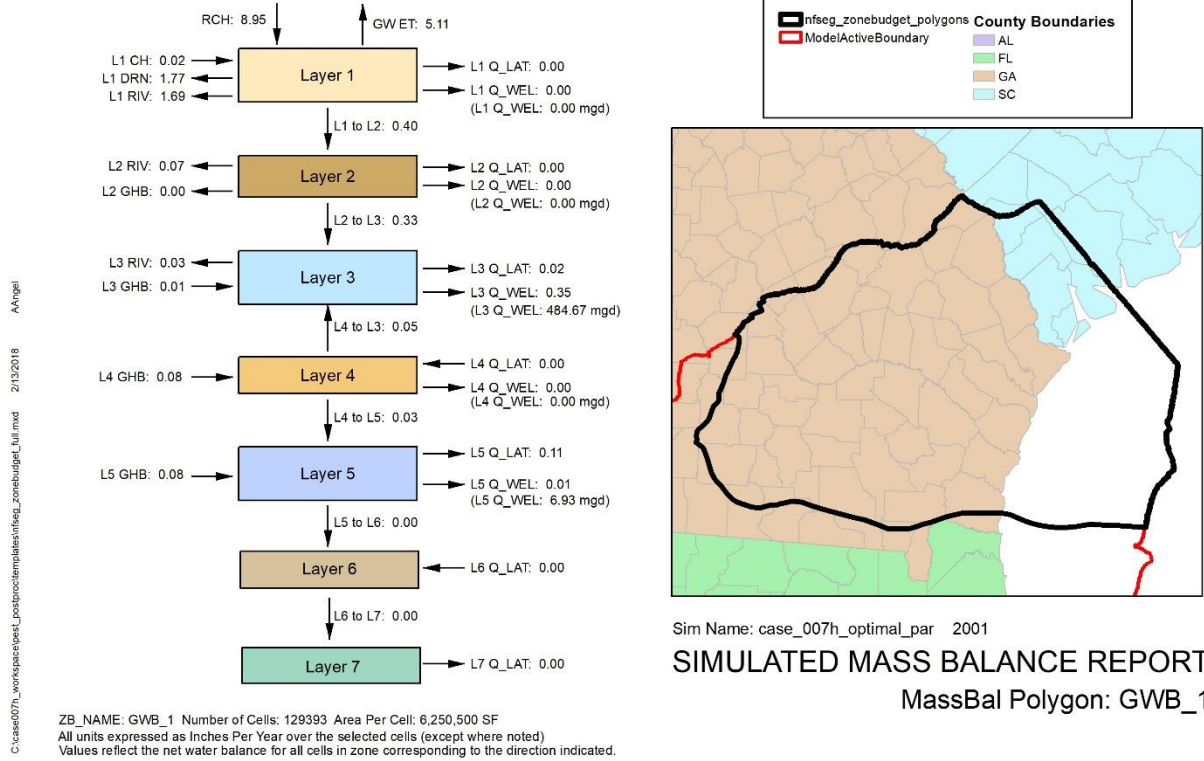
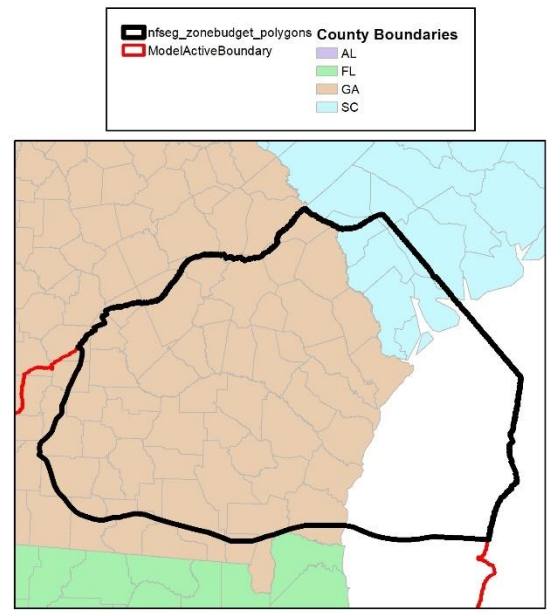
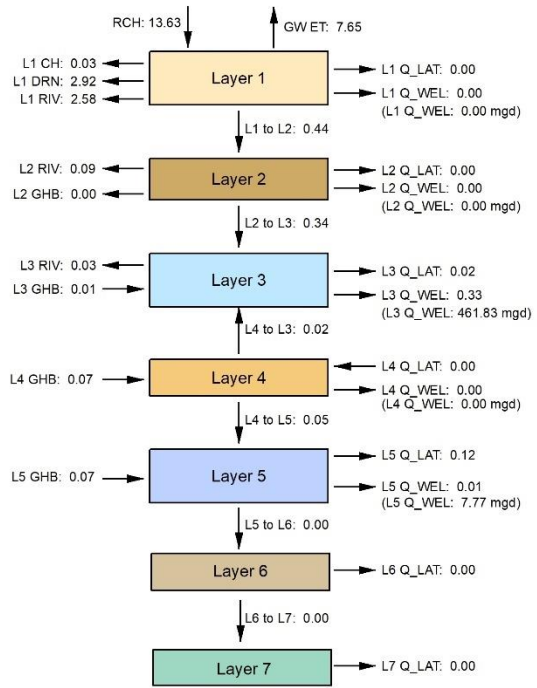


Figure 6-6. Simulated mass balance of GWB 1 for 2001

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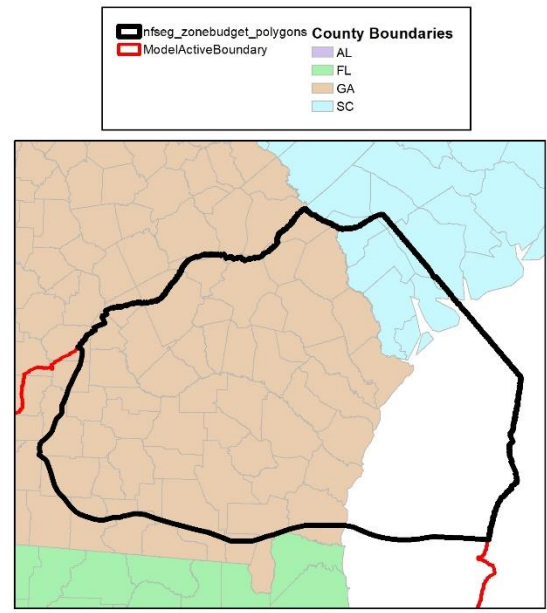
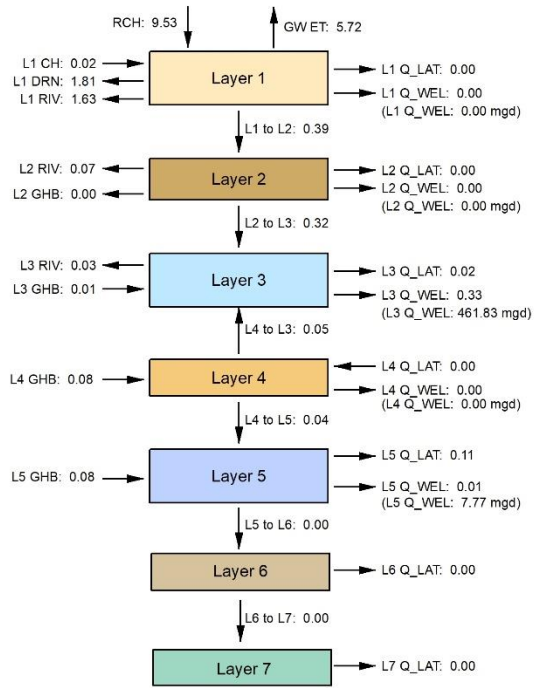


Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_1

ZB_NAME: GWB_1 Number of Cells: 129393 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

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

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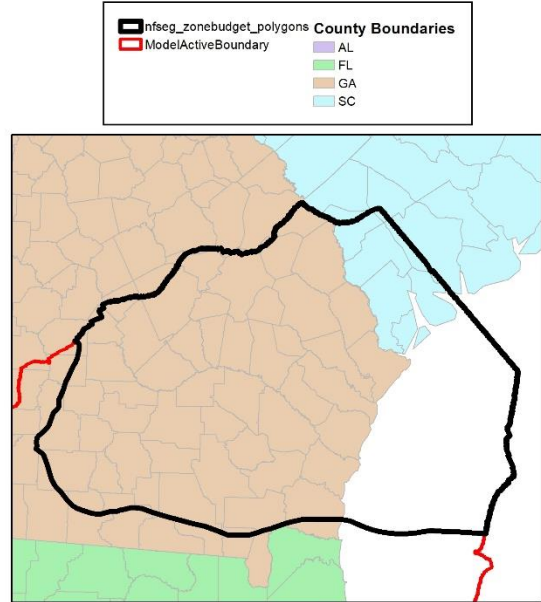
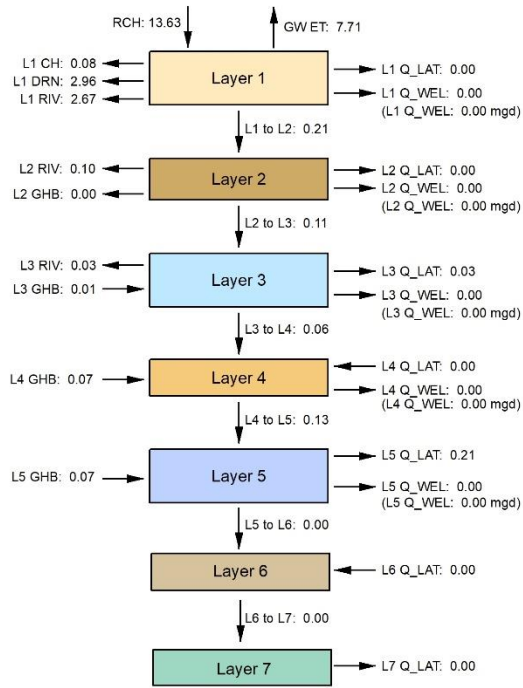


Sim Name: case_007h_2010_par 2010
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_1

ZB_NAME: GWB_1 Number of Cells: 129393 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

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

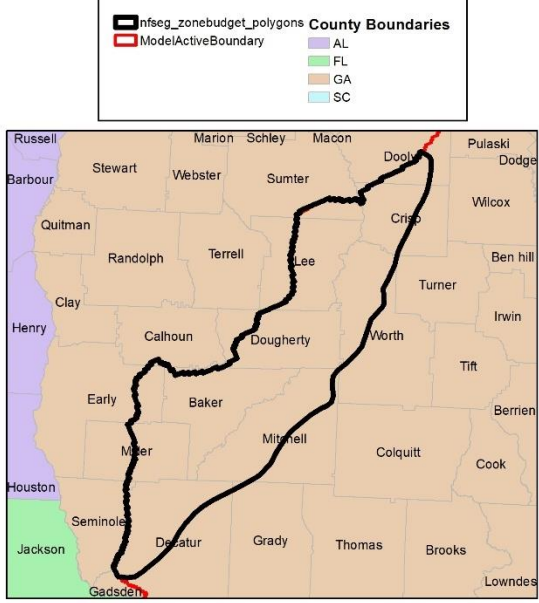
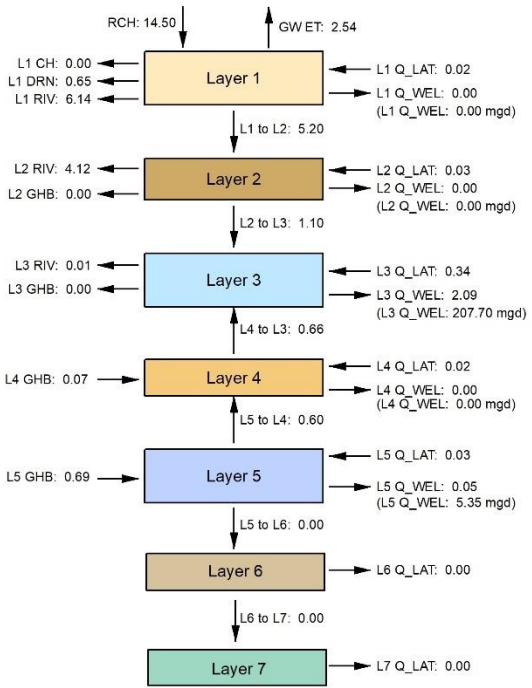
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Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_1

ZB_NAME: GWB_1 Number of Cells: 129393 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-9. Simulated mass balance of GWB 1 for no-pumping

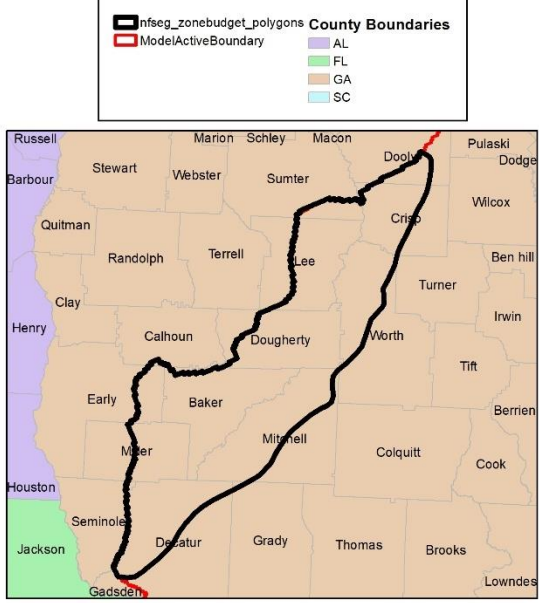
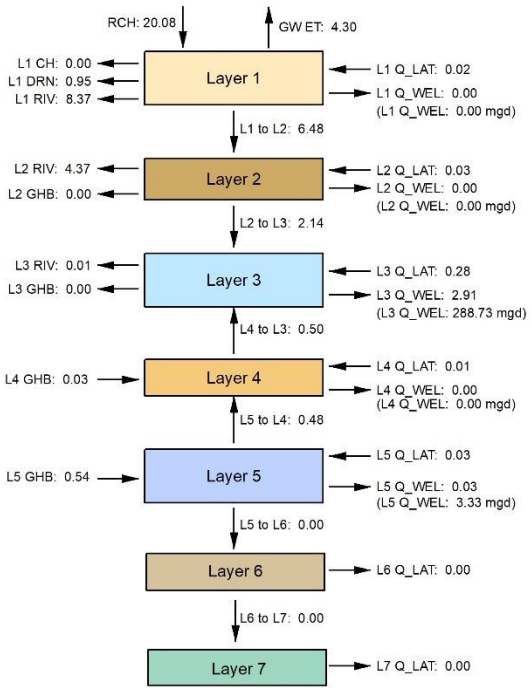


Sim Name: case_007h_optimal_par 2001
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_2

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ZB_NAME: GWB_2 Number of Cells: 9290 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

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



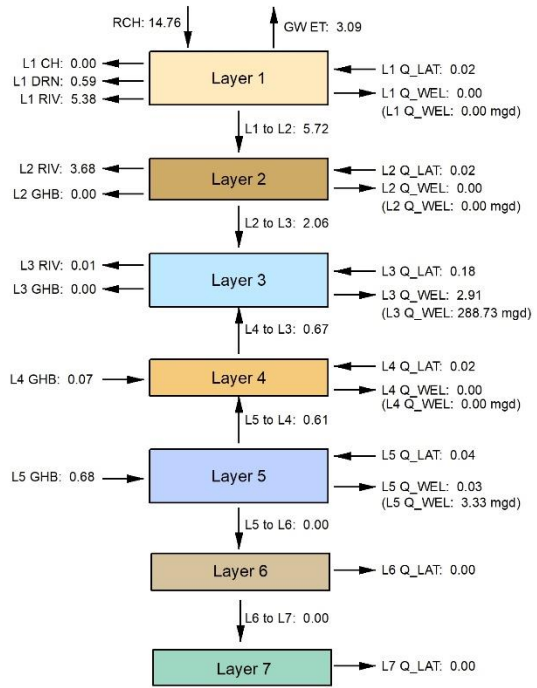
Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_2

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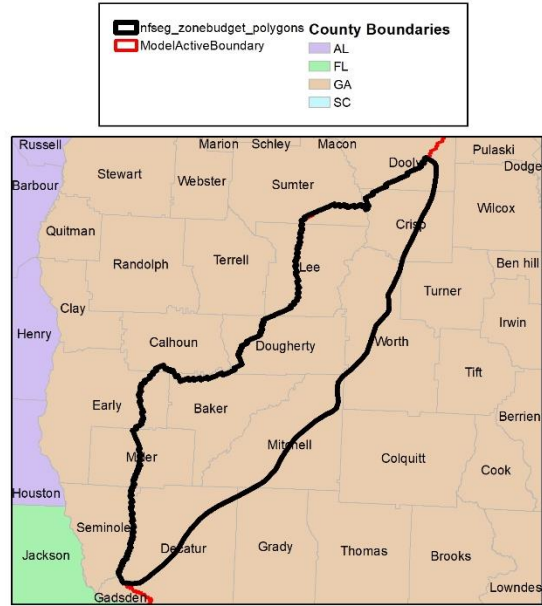
ZB_NAME: GWB_2 Number of Cells: 9290 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

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

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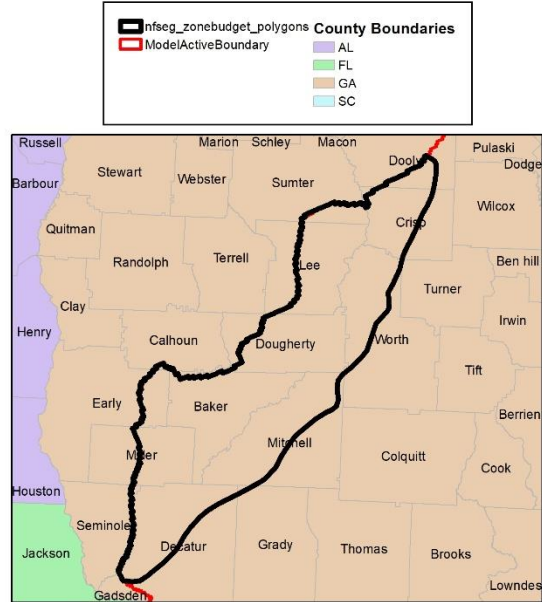
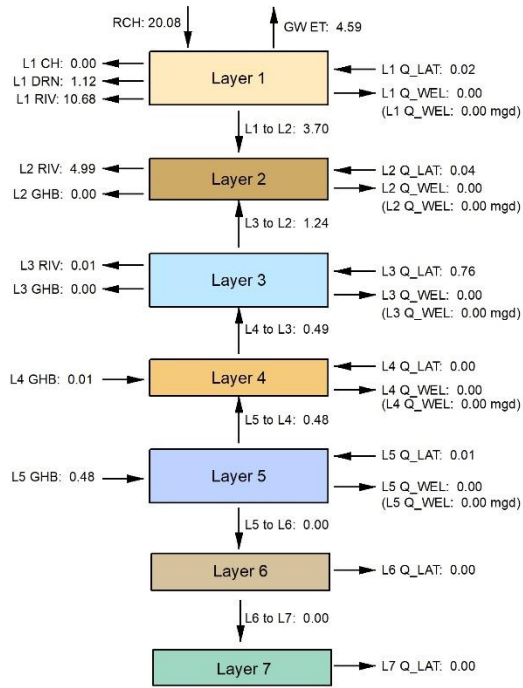
ZB_NAME: GWB_2 Number of Cells: 9290 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.



Sim Name: case_007h_2010_par 2010
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_2

Figure 6-12. Simulated mass balance of GWB 2 for 2010

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Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_2

ZB_NAME: GWB_2 Number of Cells: 9290 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-13. Simulated mass balance of GWB 2 for no-pumping

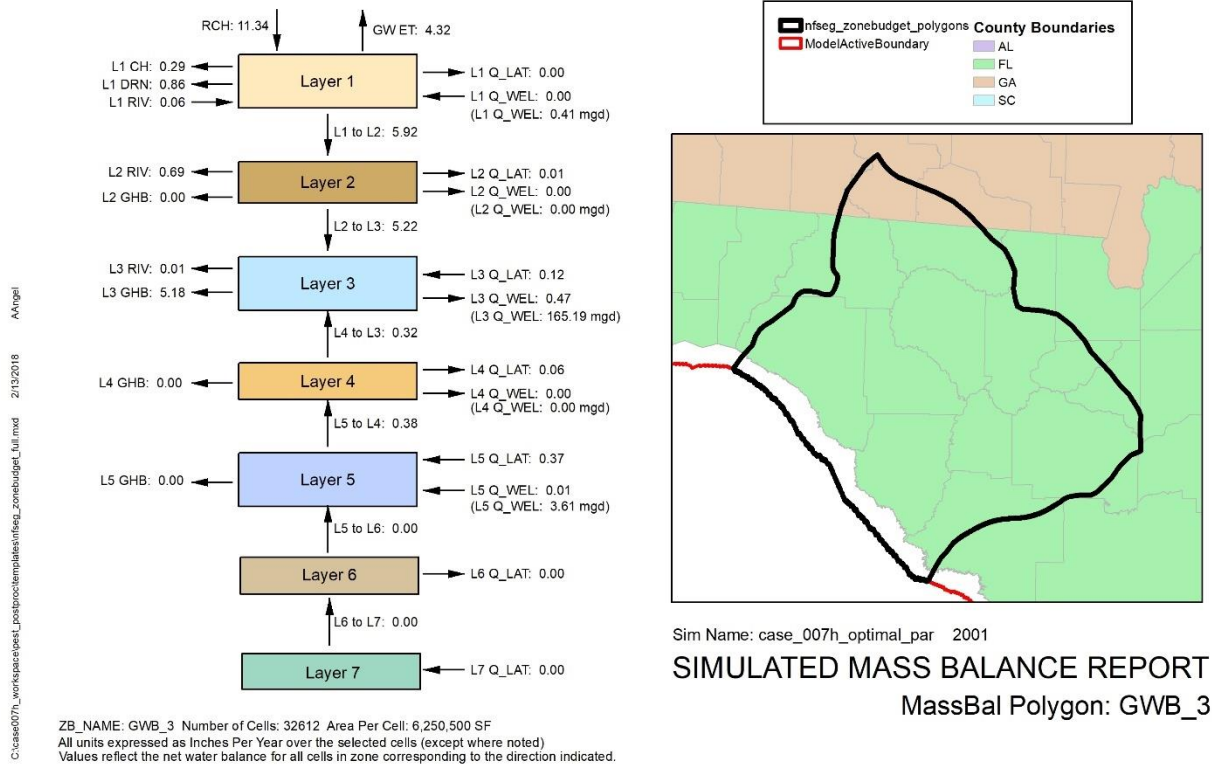


Figure 6-14. Simulated mass balance of GWB 3 for 2001

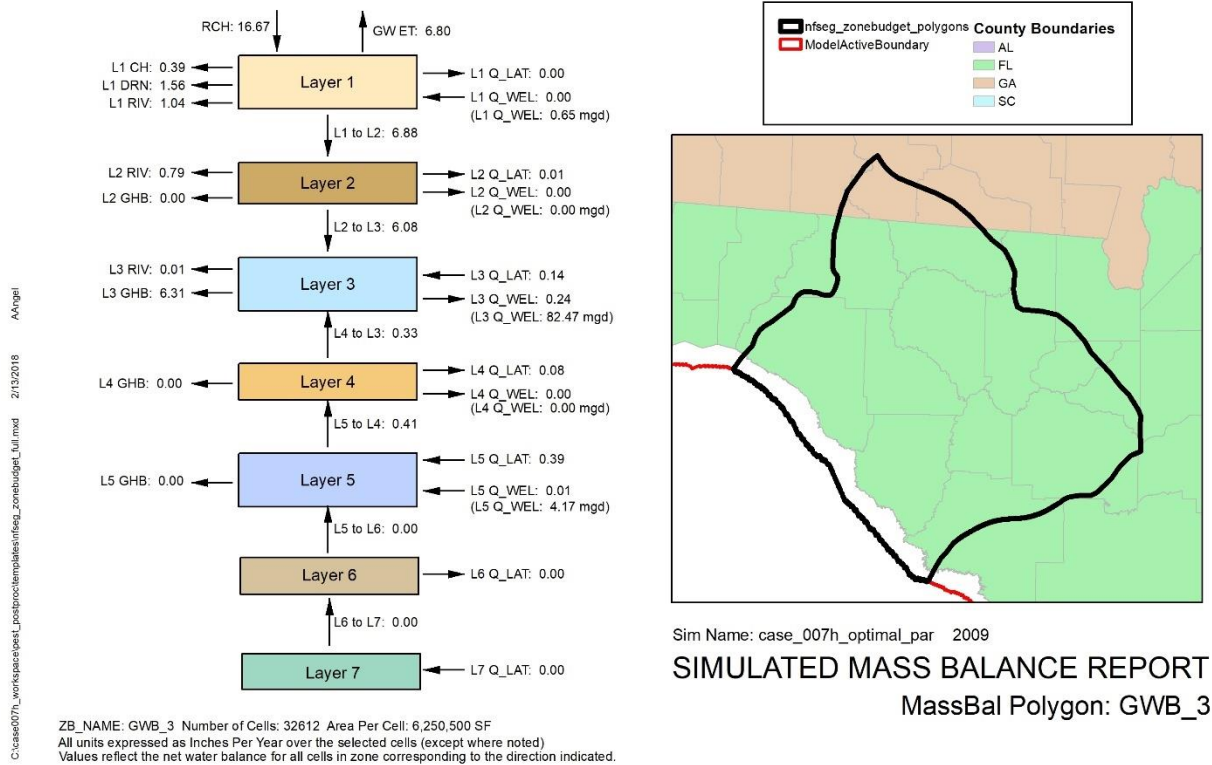
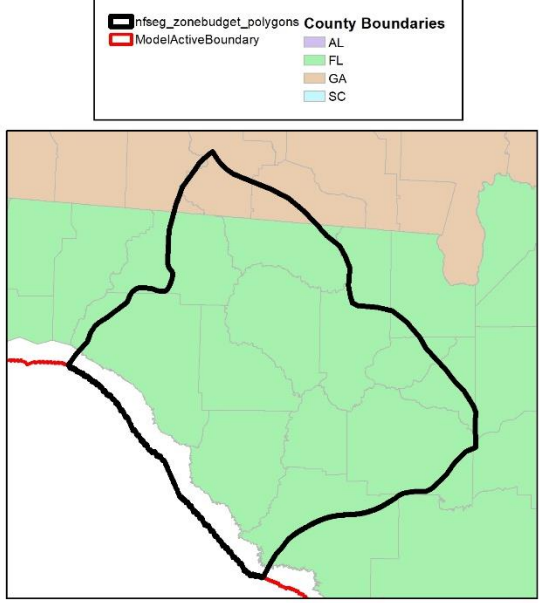
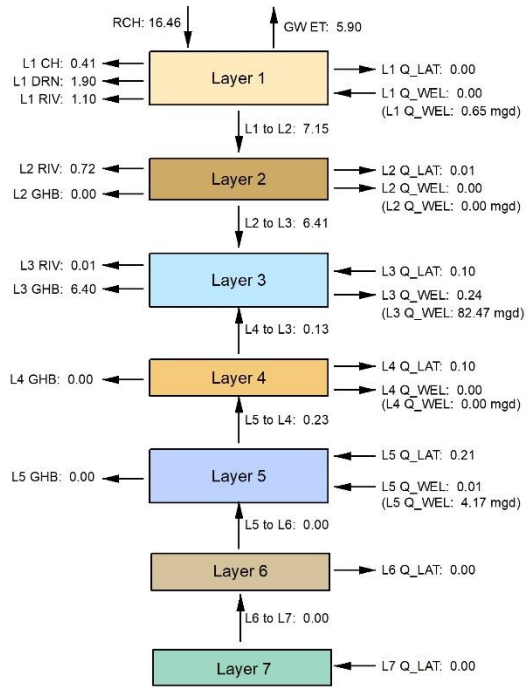


Figure 6-15. Simulated mass balance of GWB 3 for 2009

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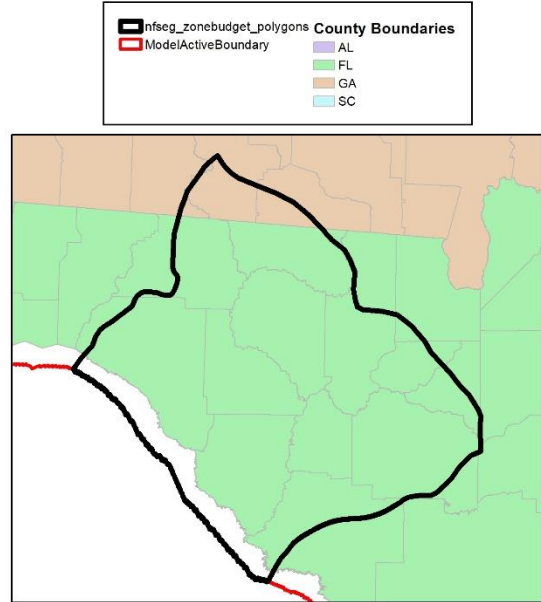
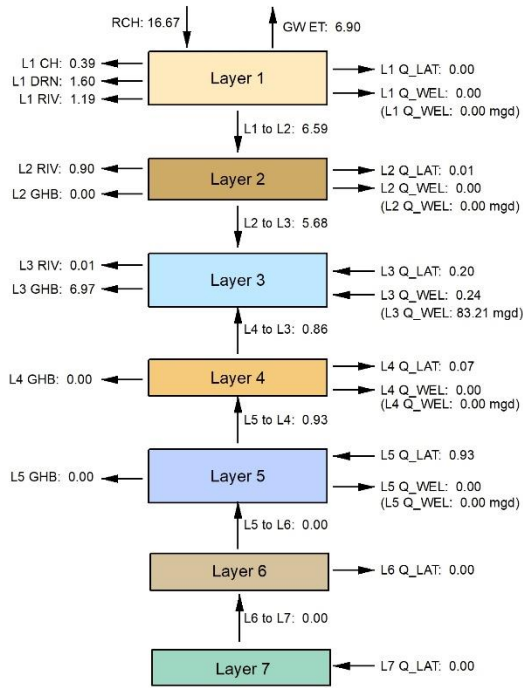


Sim Name: case_007h_2010_par 2010
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_3

ZB_NAME: GWB_3 Number of Cells: 32612 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-16. Simulated mass balance of GWB 3 for 2010

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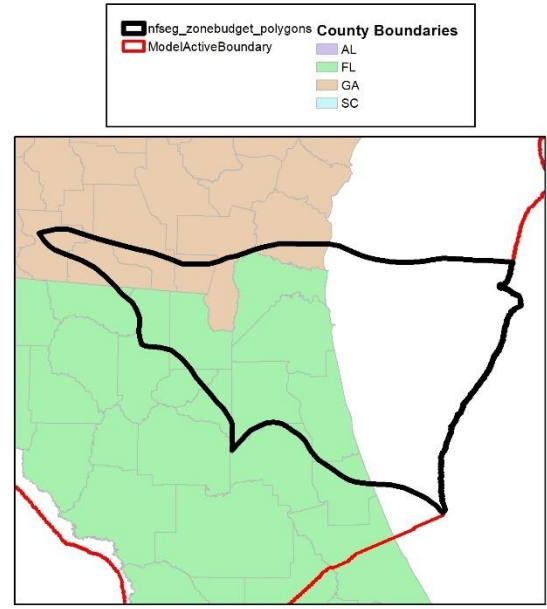
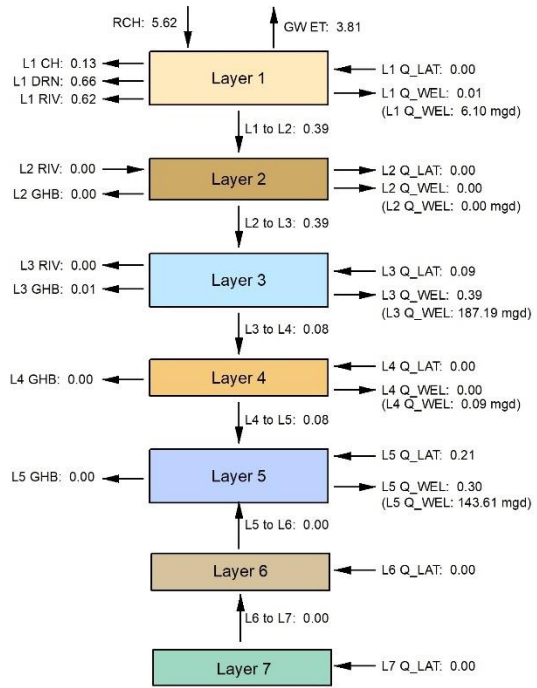


Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_3

ZB_NAME: GWB_3 Number of Cells: 32612 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-17. Simulated mass balance of GWB 3 for no-pumping

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Sim Name: case_007h_optimal_par 2001
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_4

ZB_NAME: GWB_4 Number of Cells: 44932 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-18. Simulated mass balance of GWB 4 for 2001

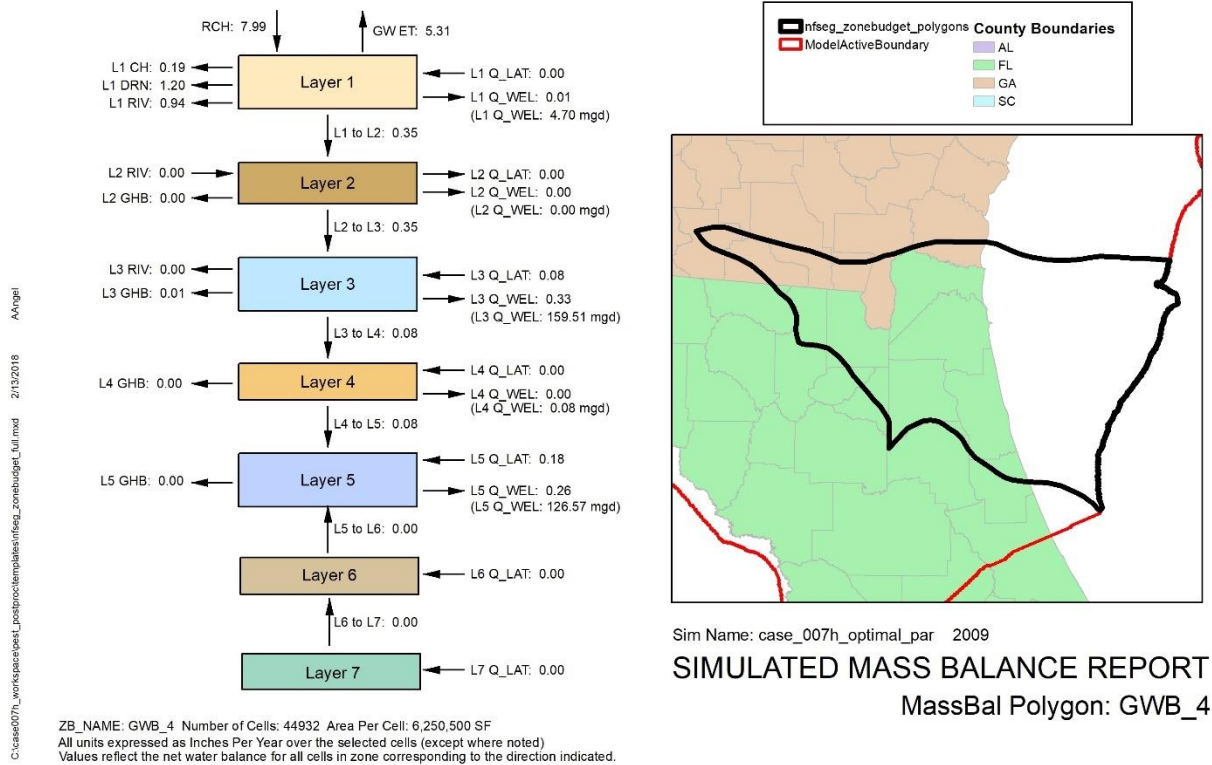
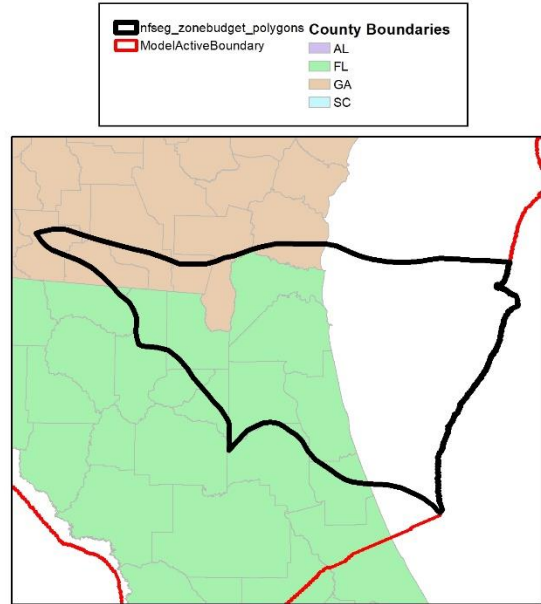
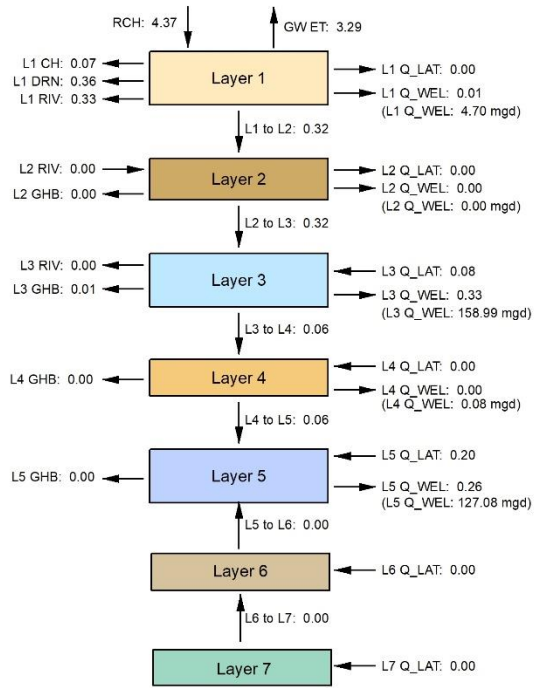


Figure 6-19. Simulated mass balance of GWB 4 for 2009

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Sim Name: case_007h_2010_par 2010
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_4

ZB_NAME: GWB_4 Number of Cells: 44932 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-20. Simulated mass balance of GWB 4 for 2010

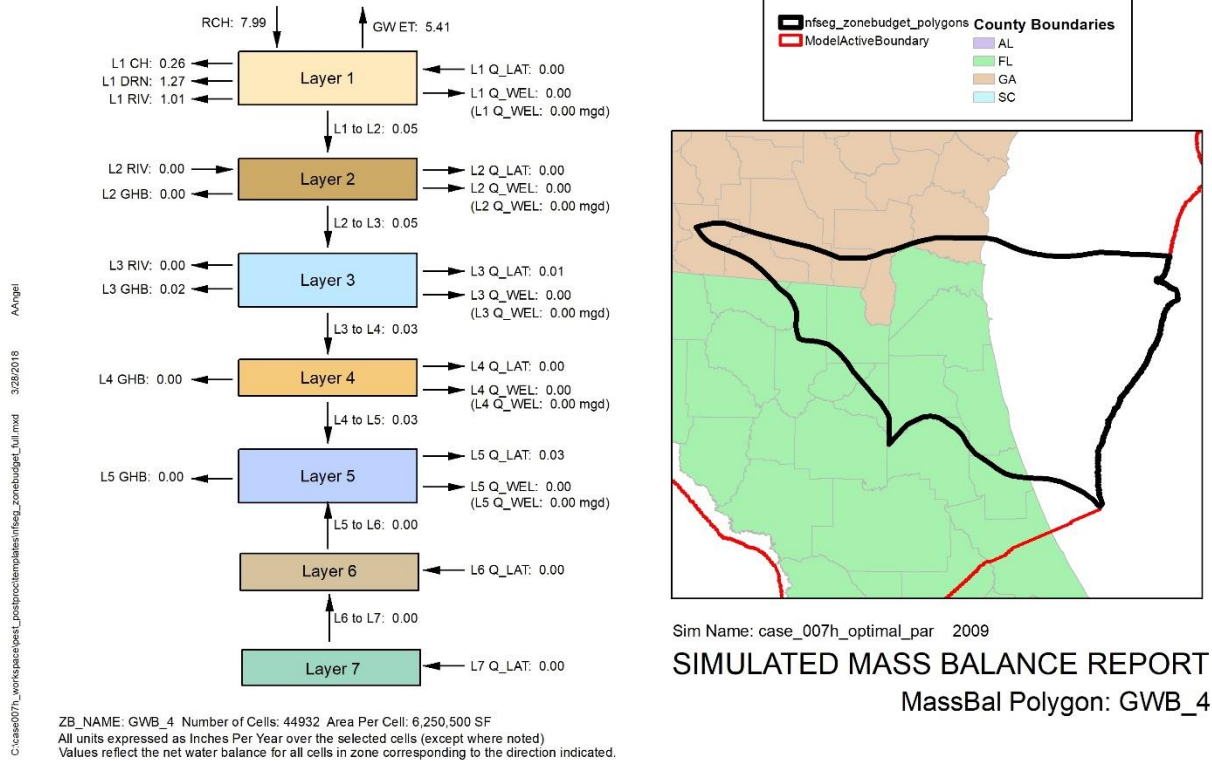
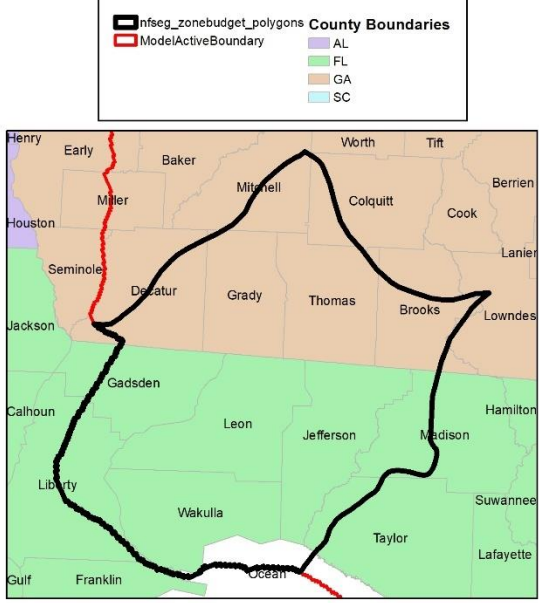
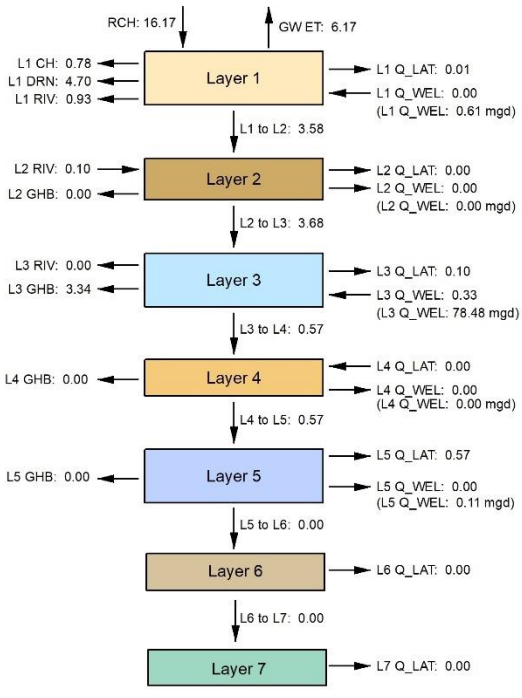


Figure 6-21. Simulated mass balance of GWB 4 for no-pumping

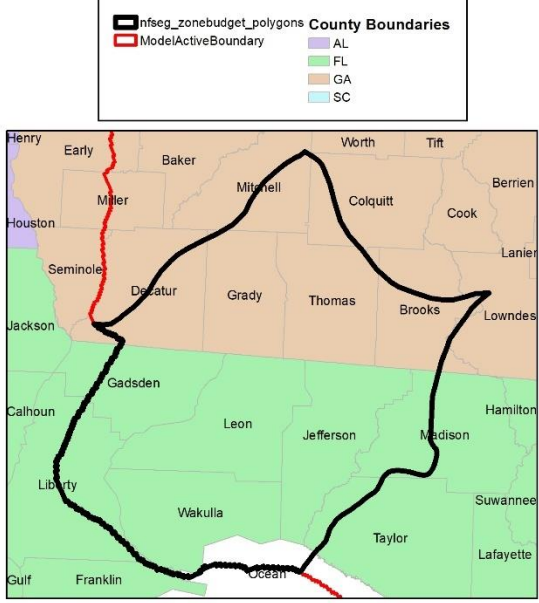
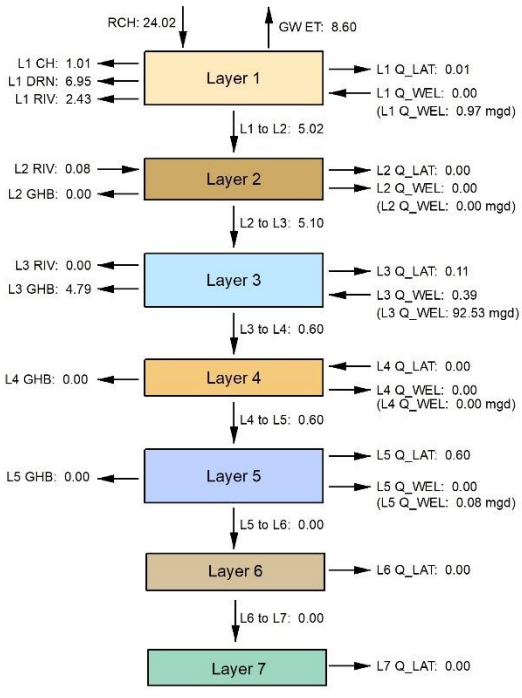


Sim Name: case_007h_optimal_par 2001
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_5

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ZB_NAME: GWB_5 Number of Cells: 22127 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-22. Simulated mass balance of GWB 5 for 2001

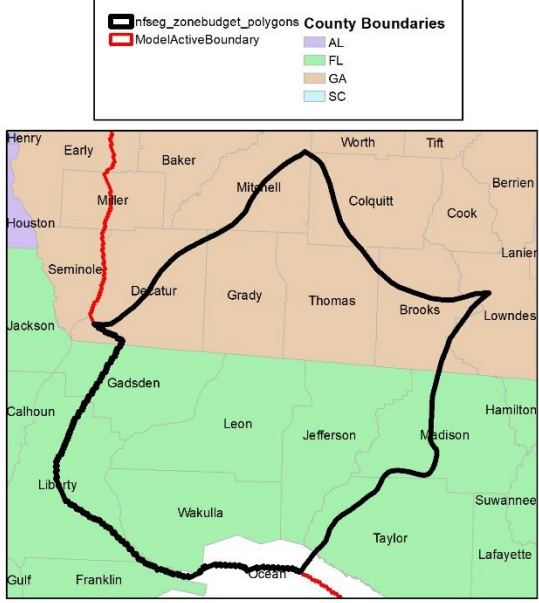
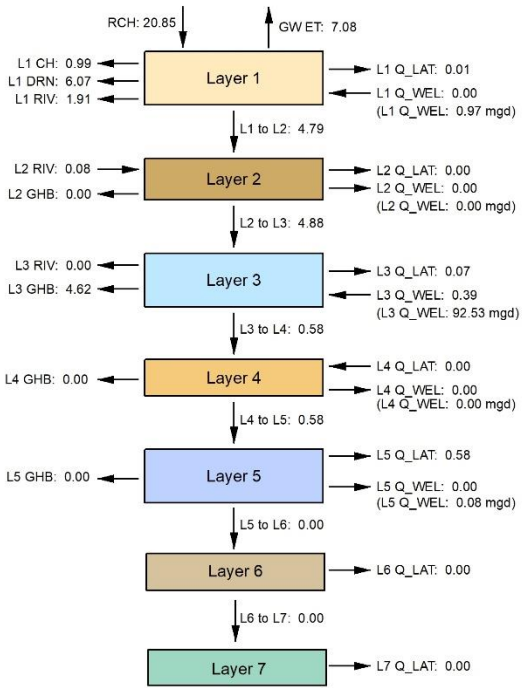


Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_5

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ZB_NAME: GWB_5 Number of Cells: 22127 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-23. Simulated mass balance of GWB 5 for 2009

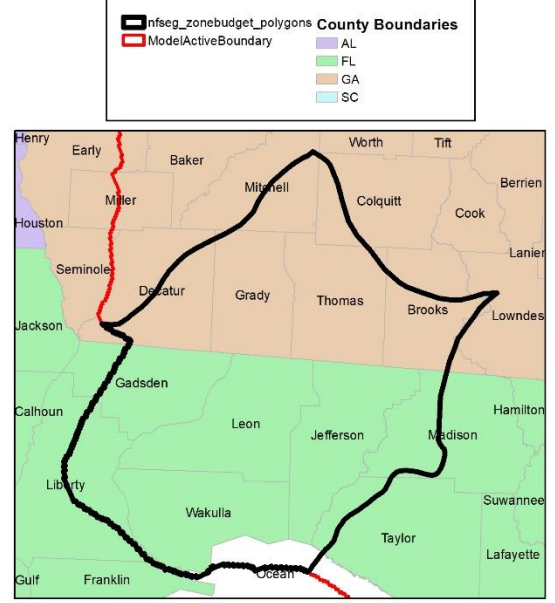
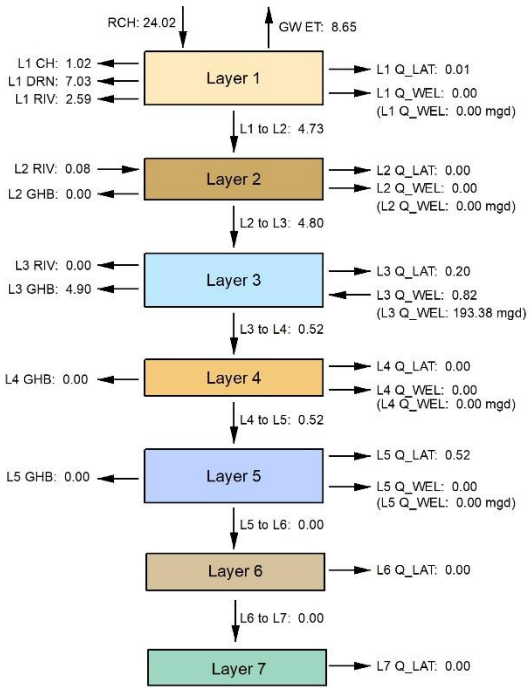


Sim Name: case_007h_2010_par 2010
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_5

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ZB_NAME: GWB_5 Number of Cells: 22127 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-24. Simulated mass balance of GWB 5 for 2010

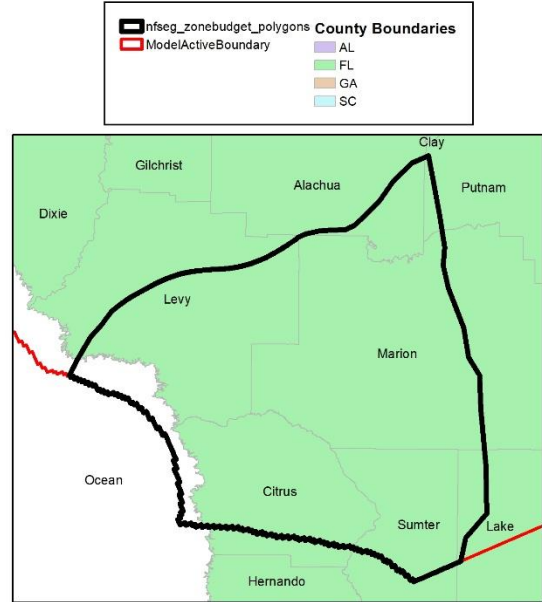
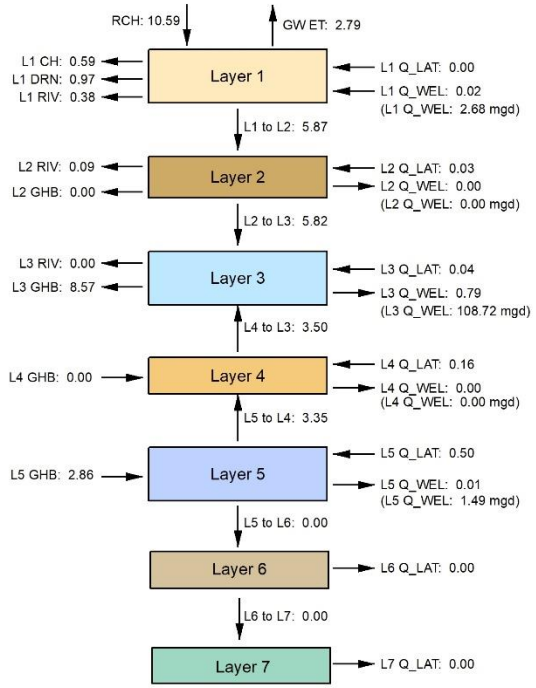


Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_5

ZB_NAME: GWB_5 Number of Cells: 22127 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-25. Simulated mass balance of GWB 5 for no-pumping

C:\case007h_workspace\psect_postproc\templates\infseg_zonebudget_full.mxd 2/13/2018 Angel

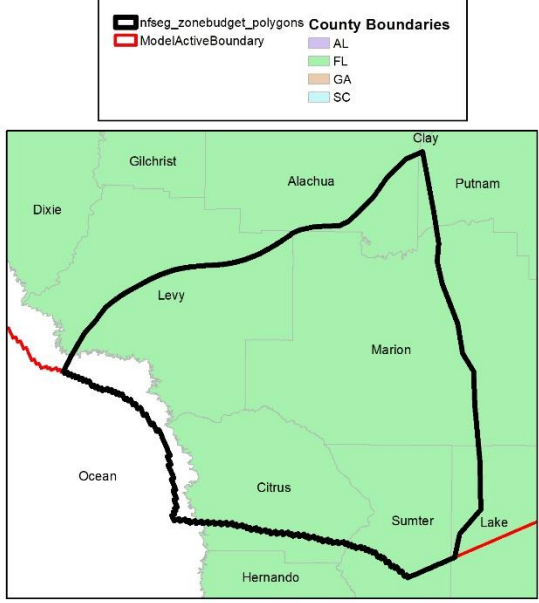
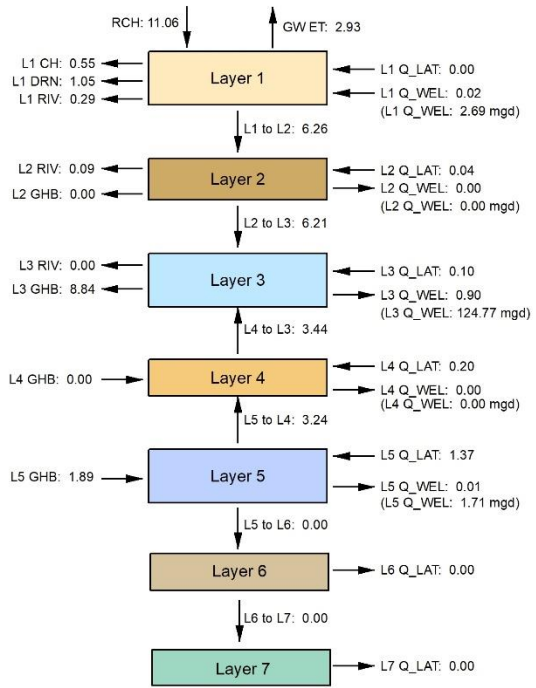


Sim Name: case_007h_optimal_par 2001
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_6

ZB_NAME: GWB_6 Number of Cells: 12958 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-26. Simulated mass balance of GWB 6 for 2001

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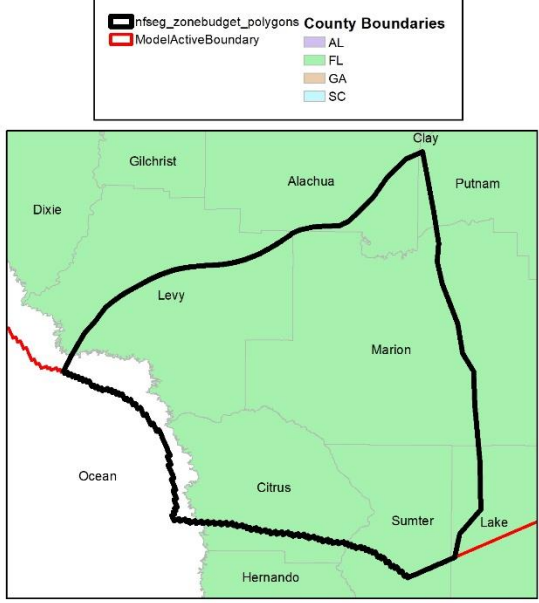
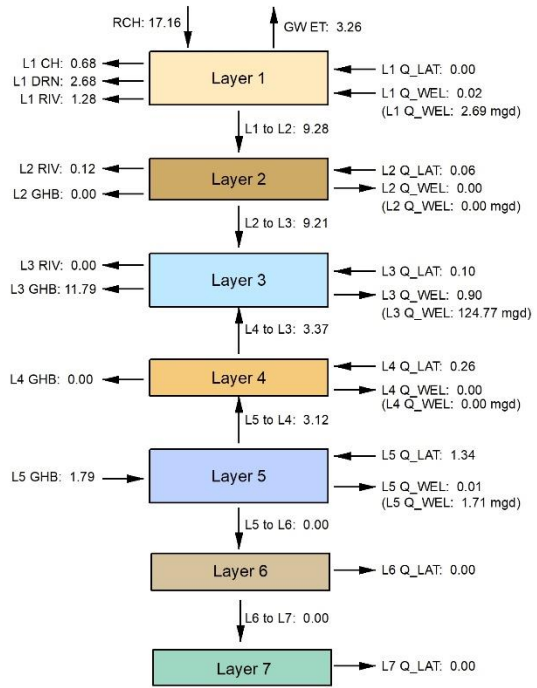


Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_6

ZB_NAME: GWB_6 Number of Cells: 12958 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-27. Simulated mass balance of GWB 6 for 2009

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Sim Name: case_007h_2010_par 2010
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_6

ZB_NAME: GWB_6 Number of Cells: 12958 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

Figure 6-28. Simulated mass balance of GWB 6 for 2010

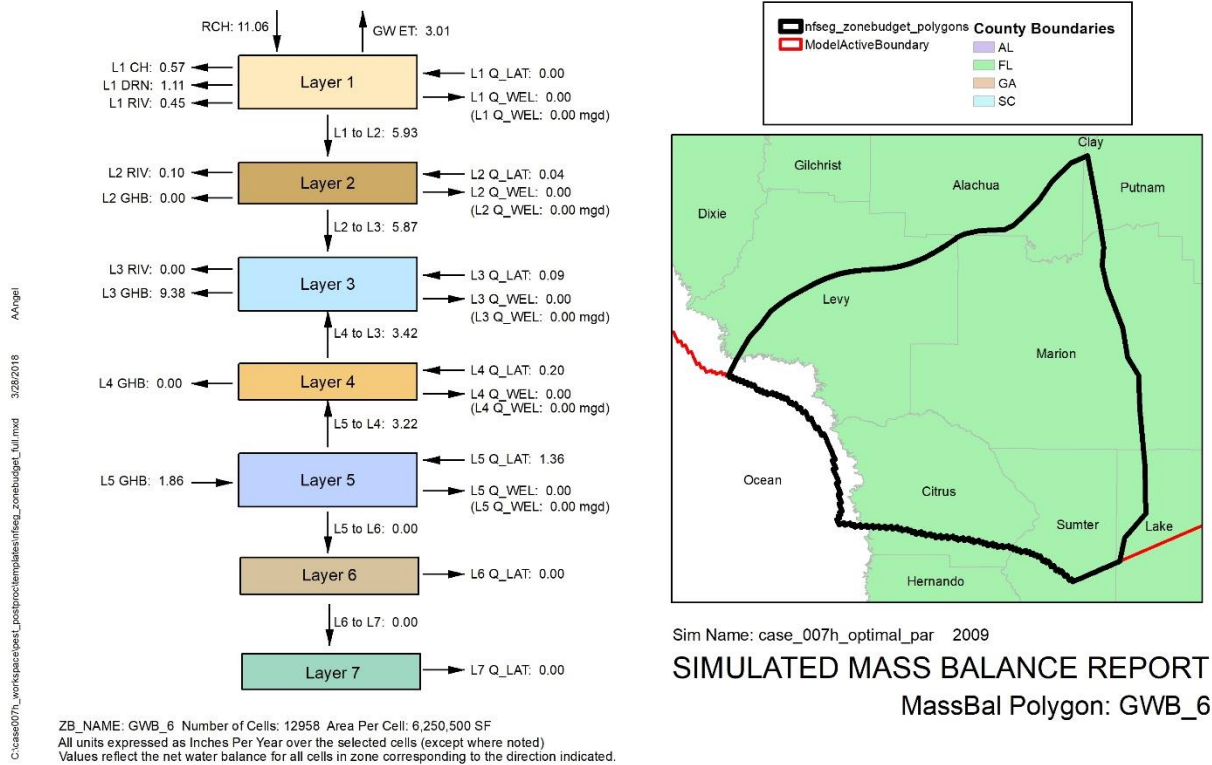
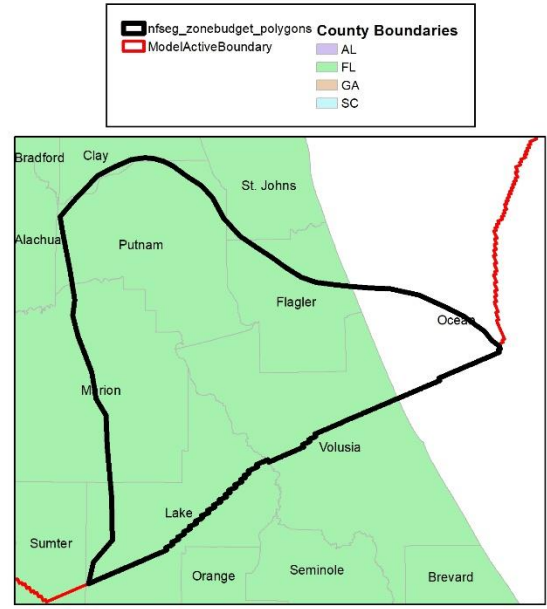
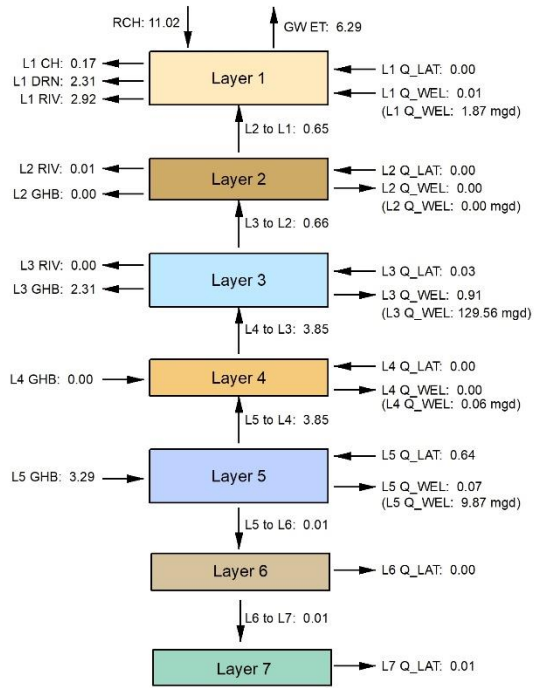


Figure 6-29. Simulated mass balance of GWB 6 for no-pumping

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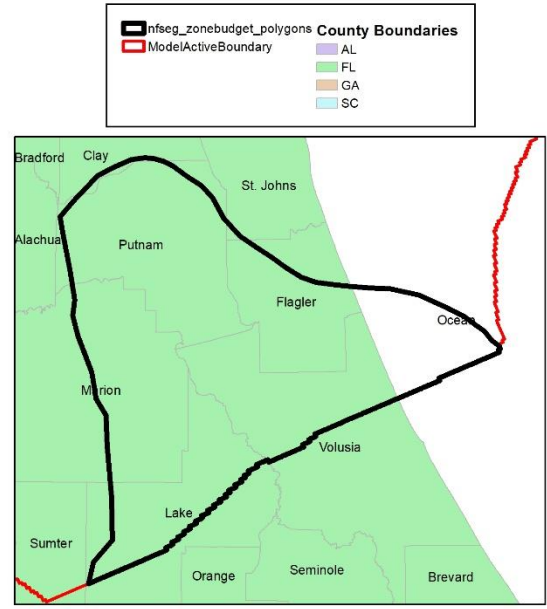
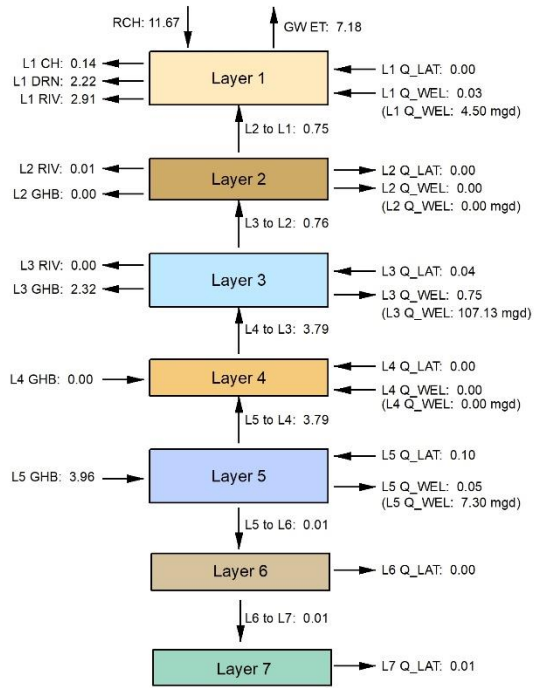


Sim Name: case_007h_optimal_par 2001
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_7

ZB_NAME: GWB_7 Number of Cells: 13348 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

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

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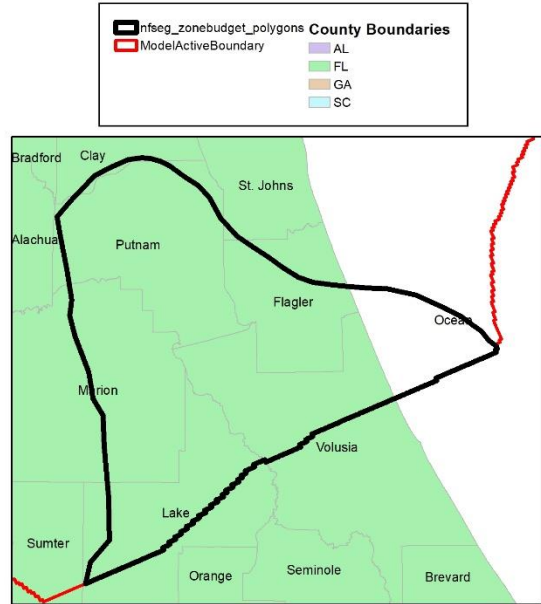
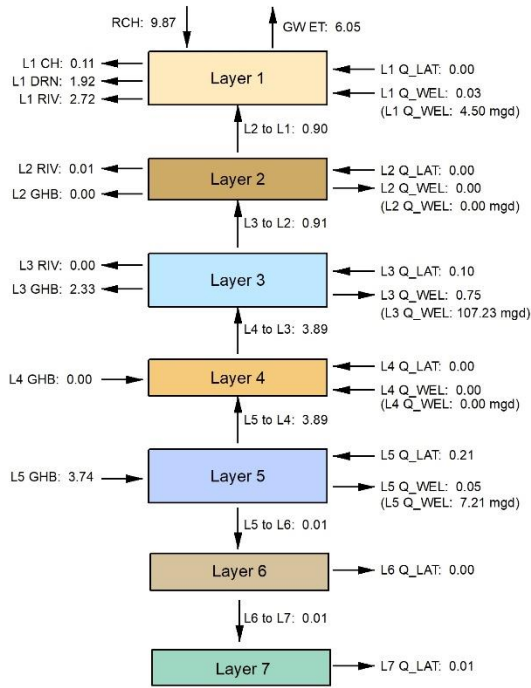


Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_7

ZB_NAME: GWB_7 Number of Cells: 13348 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

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

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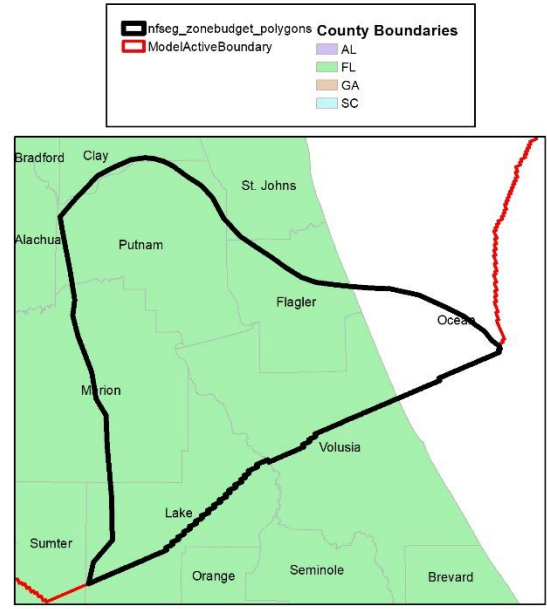
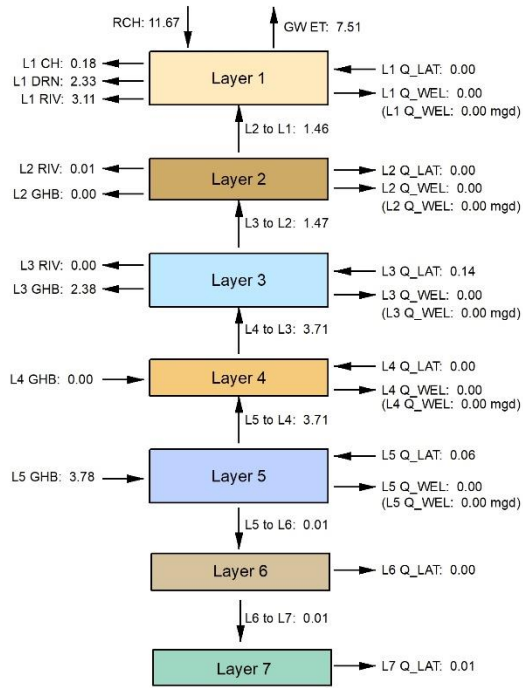


Sim Name: case_007h_2010_par 2010
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_7

ZB_NAME: GWB_7 Number of Cells: 13348 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

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

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Sim Name: case_007h_optimal_par 2009
SIMULATED MASS BALANCE REPORT
 MassBal Polygon: GWB_7

ZB_NAME: GWB_7 Number of Cells: 13348 Area Per Cell: 6,250,500 SF
 All units expressed as Inches Per Year over the selected cells (except where noted)
 Values reflect the net water balance for all cells in zone corresponding to the direction indicated.

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	