spectively (Figures 6-10 to 6-12). Forty-six to fifty three percent of the Layer 1 net re-charge flows to river boundaries, 41-49% flows vertically to Layer 2 and 5-6% is dis-charged to drainage boundaries. Lateral flows make up less than 1% of all water flows into Layer 2. Rivers make up 64-79% of Layer 2 water outflows, consistent with low confinement in the region and the remainder is transferred vertically to Layer 3. Of the total water entering Layer 3, 52-73% of water flows vertically from Layer 2, 17-31% flows vertically upward from Layer 4 and 6-17% flows laterally from the basin boundary. Almost 100% of all water entering Layer 3 is removed via well withdrawals, with a small amount contributed to river boundary flows. Vertical flow from Layer 5 to Layer 4 makes up 87-92% of all water flow into Layer 4, with the remainder contributed from general and lateral boundary heads. Of all water transferred into Layer 5 via general and lateral heads, 4-7% is withdrawn via wells and the remainder is transferred to Layer 4.

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

Layer	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)

Layer	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	