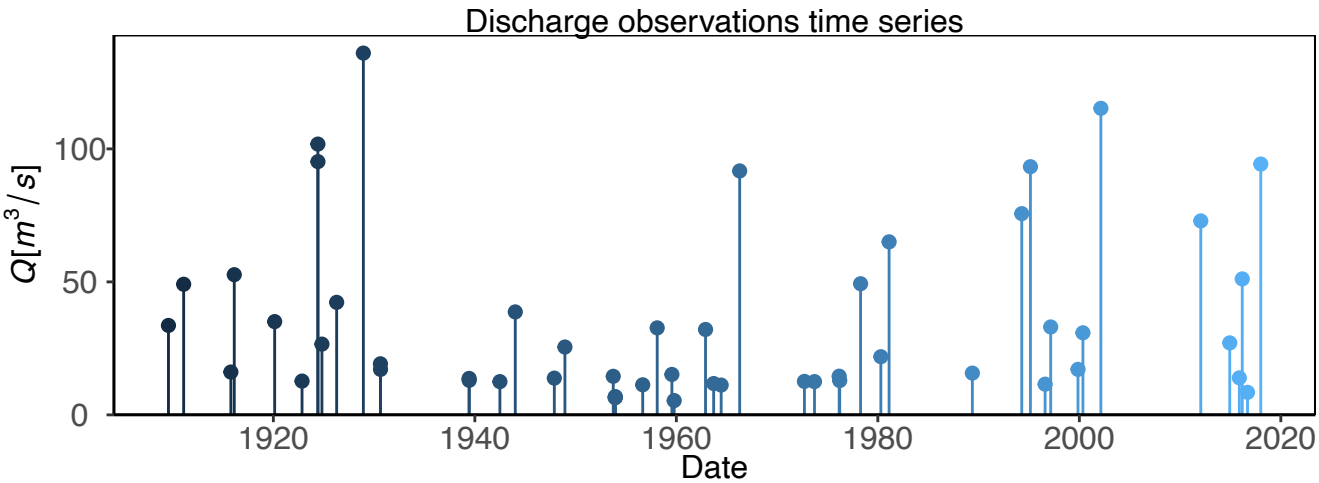
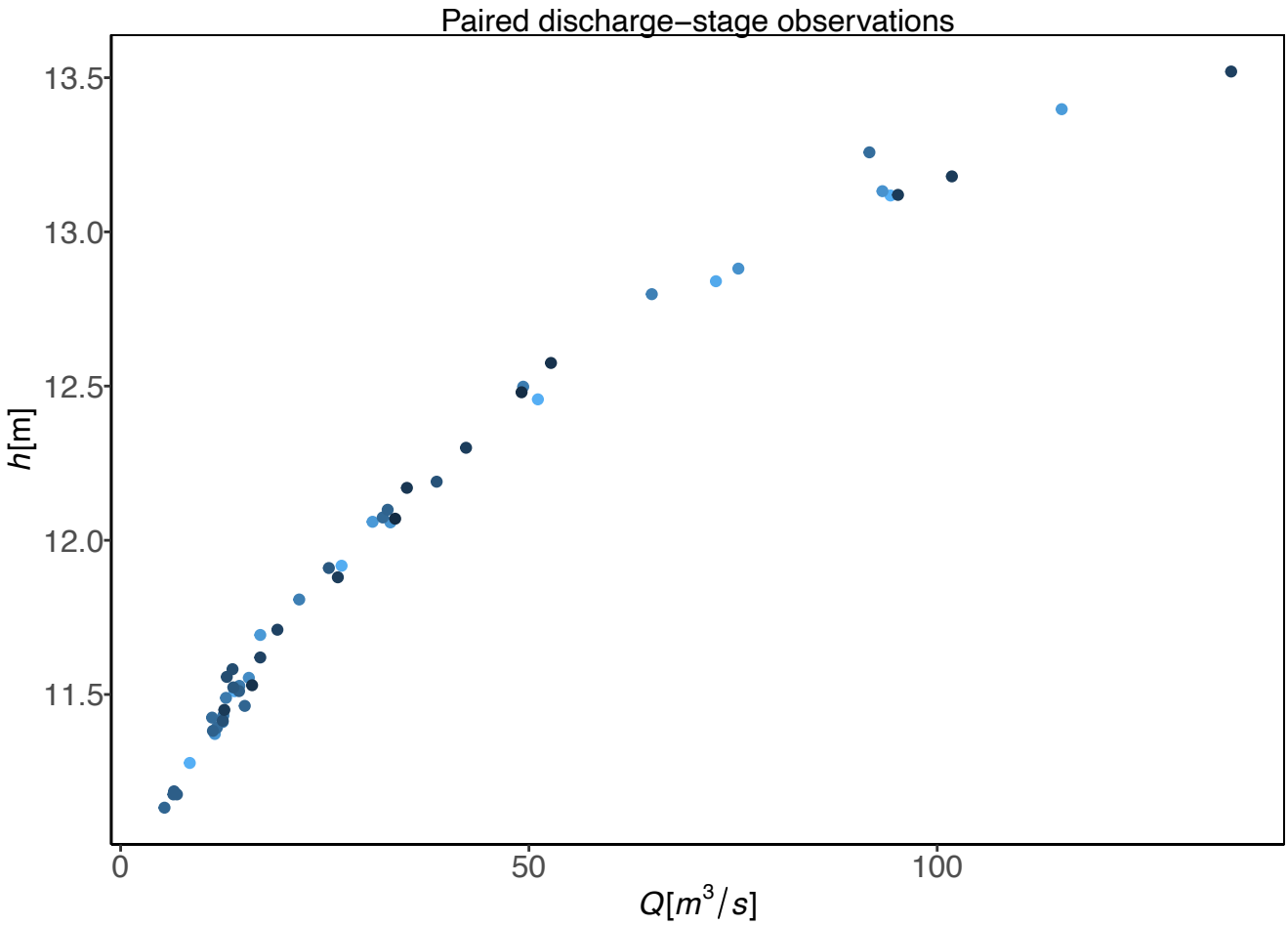
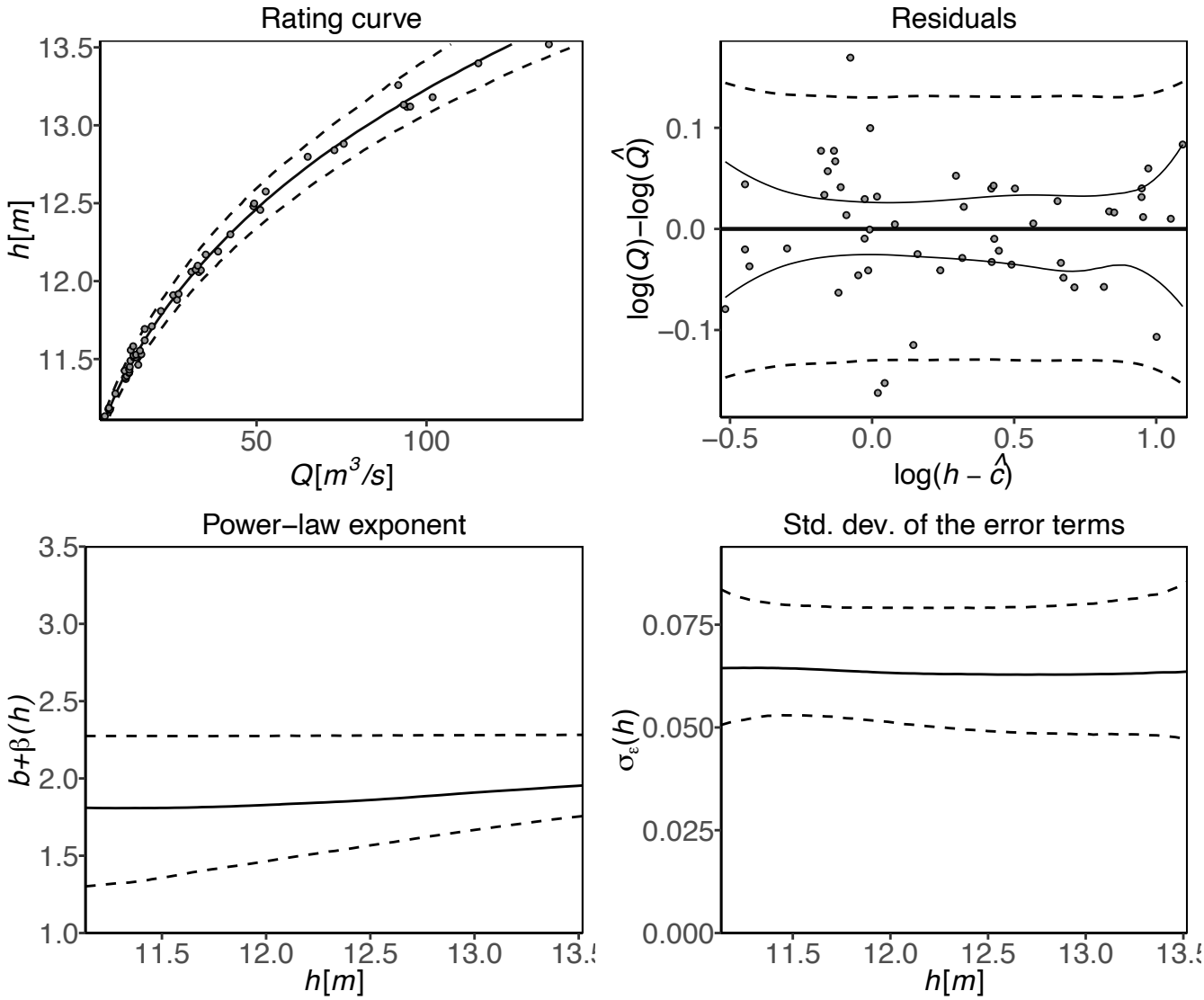
Station name:	Mörrum
Location:	Sweden
Station number:	186
Number of observations:	52
Start date:	1909–08–03
End date:	2018–01–04
Max. discharge (m^3/s):	136
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.14	0.37
GPLM0	0.00	0.39
PLM	2.34	0.12
PLM0	2.47	0.11



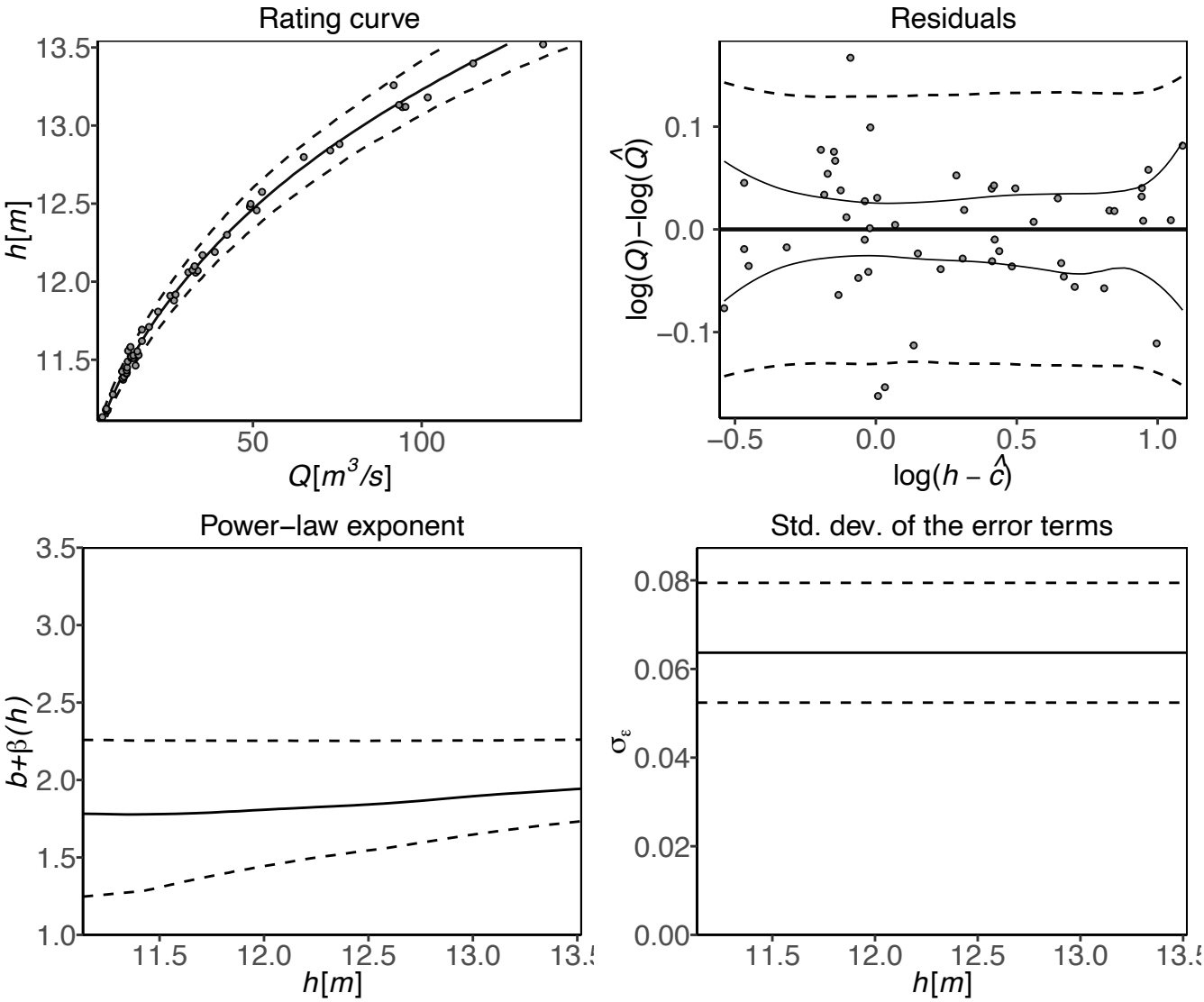


Mörrum, Sweden – GPLM



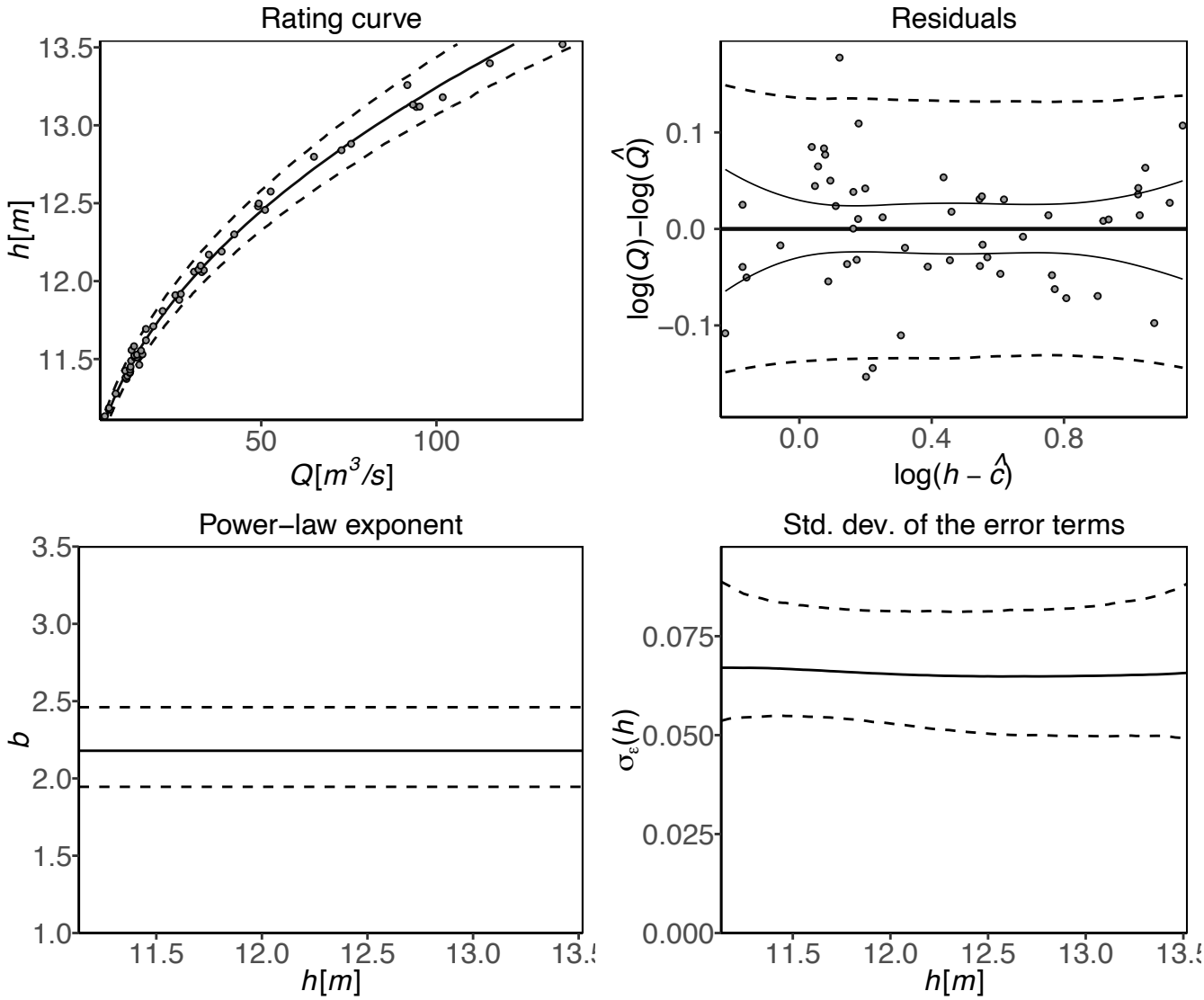
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.76	[8.43; 21.84]	1045	1.02
b	1.84	[1.83; 1.84]	8539	1.00
c	10.54	[10.26; 10.78]	1021	1.01
σ_β	0.22	[0.06; 0.69]	1827	1.00
ϕ_β	3.94	[0.67; 1758.26]	810	1.05
σ_η	0.08	[0.00; 0.45]	1397	1.00
η_1	–5.48	[–5.97; –4.96]	1636	1.00
η_2	–5.40	[–7.31; –3.61]	1997	1.00
η_3	–5.68	[–8.22; –3.01]	2238	1.00
η_4	–5.87	[–9.01; –2.53]	2161	1.00
η_5	–5.82	[–9.54; –2.08]	2236	1.00
η_6	–5.72	[–9.84; –1.50]	2076	1.00

Mörrum, Sweden – GPLM0



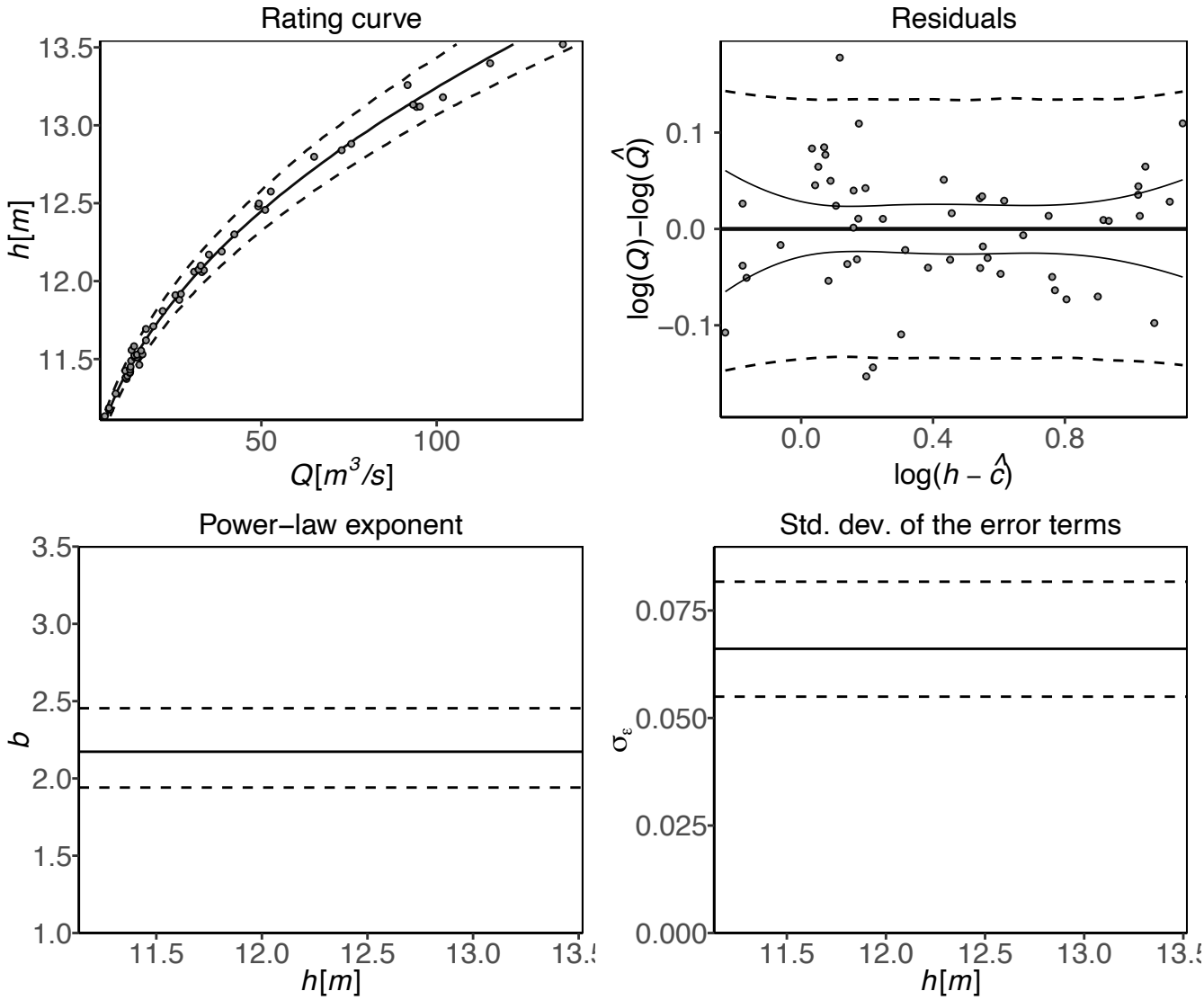
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	15.10	[8.70; 22.60]	1546	1.01
b	1.84	[1.83; 1.84]	12131	1.00
c	10.55	[10.28; 10.80]	1448	1.00
σ_ε	0.06	[0.05; 0.08]	3929	1.00
σ_β	0.46	[0.24; 0.84]	3571	1.00
ϕ_β	3.29	[0.55; 684.05]	988	1.01

Mörrum, Sweden – PLM



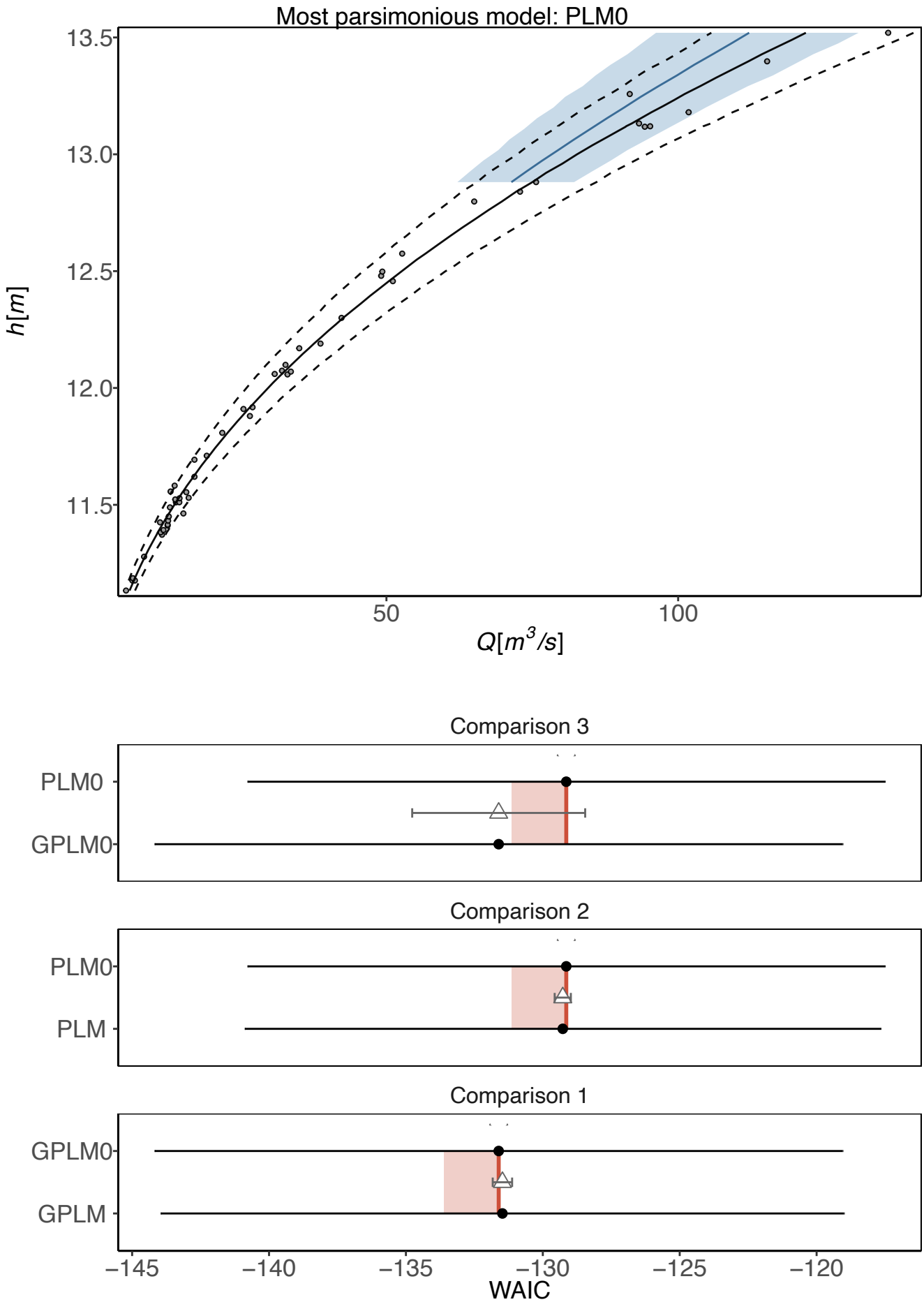
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.77	[6.25; 13.61]	2640	1.00
b	2.18	[1.95; 2.46]	2683	1.00
c	10.33	[10.13; 10.49]	2635	1.00
σ_η	0.08	[0.00; 0.45]	1652	1.00
η_1	–5.41	[–5.85; –4.84]	2013	1.00
η_2	–5.42	[–7.24; –3.58]	2613	1.00
η_3	–5.78	[–8.24; –3.13]	2813	1.00
η_4	–5.92	[–9.04; –2.68]	2680	1.00
η_5	–5.86	[–9.38; –2.07]	2492	1.00
η_6	–5.70	[–9.81; –1.61]	2501	1.00

Mörrum, Sweden – PLM0



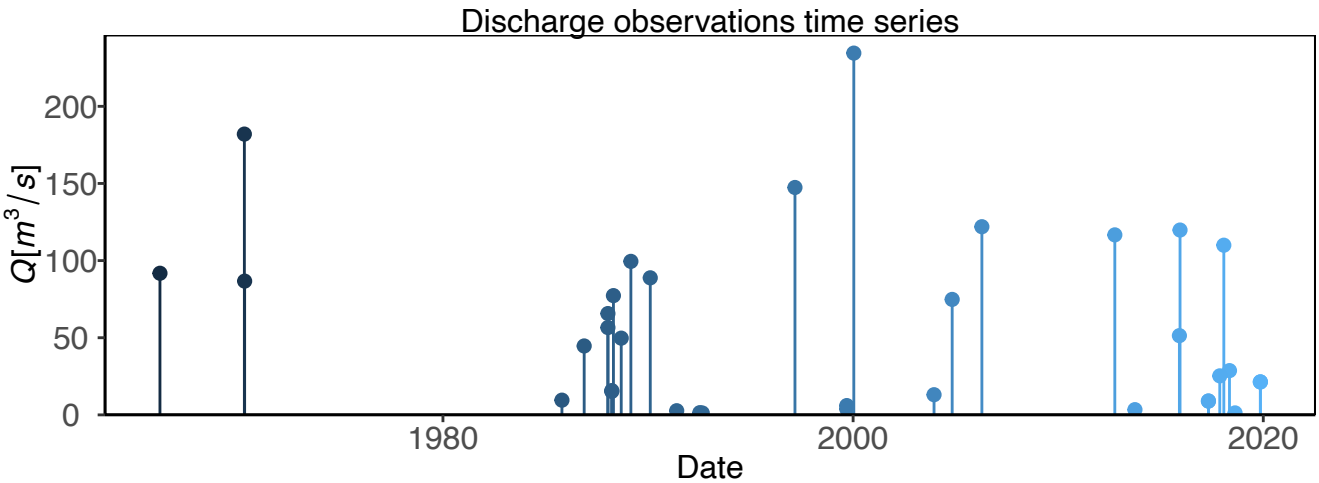
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.86	[6.35; 13.70]	8612	1.00
b	2.17	[1.94; 2.45]	8773	1.00
c	10.34	[10.14; 10.50]	8763	1.00
σ_ε	0.07	[0.05; 0.08]	8835	1.00

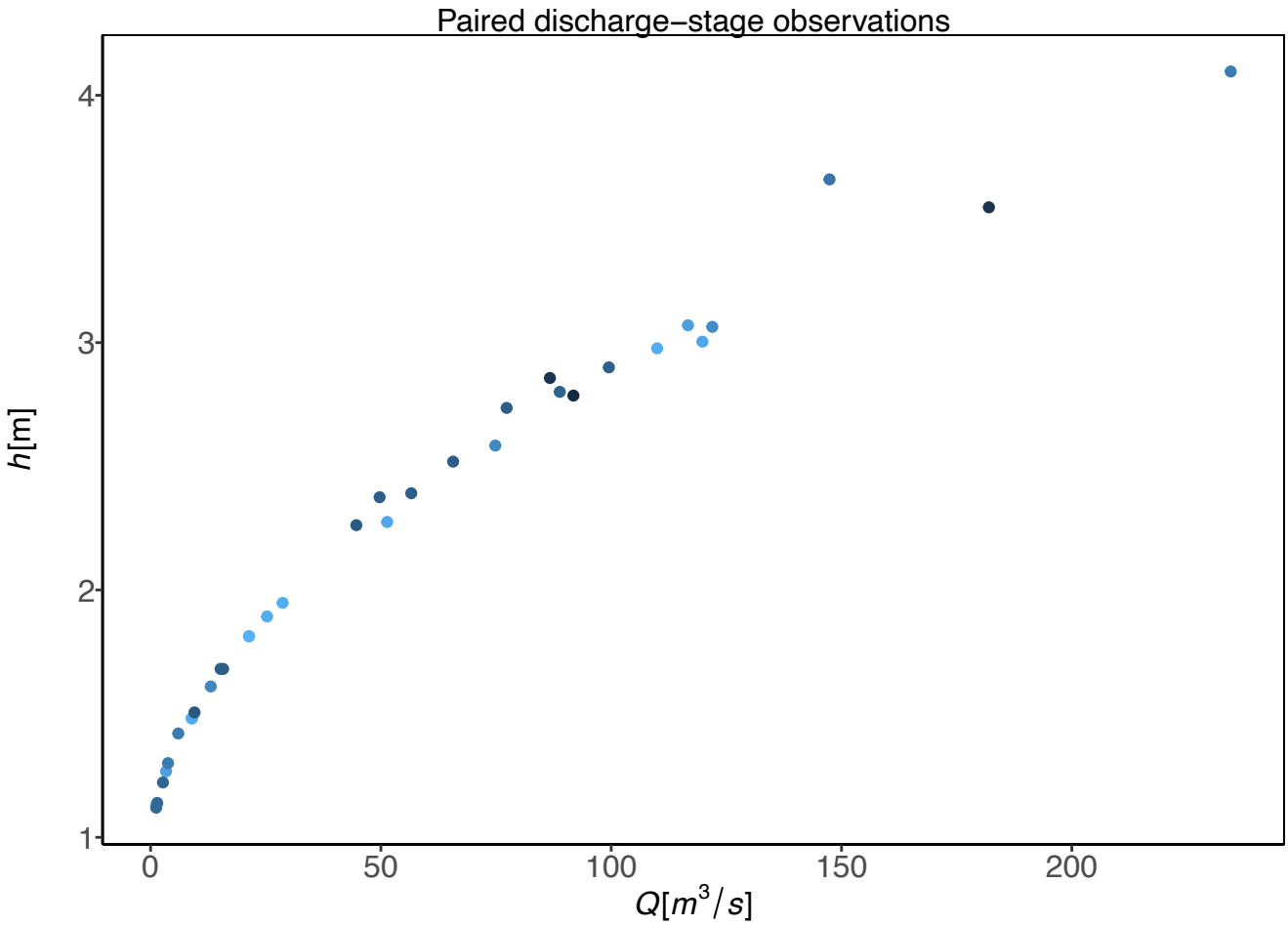
Power−law tournament results for Mörrum, Sweden



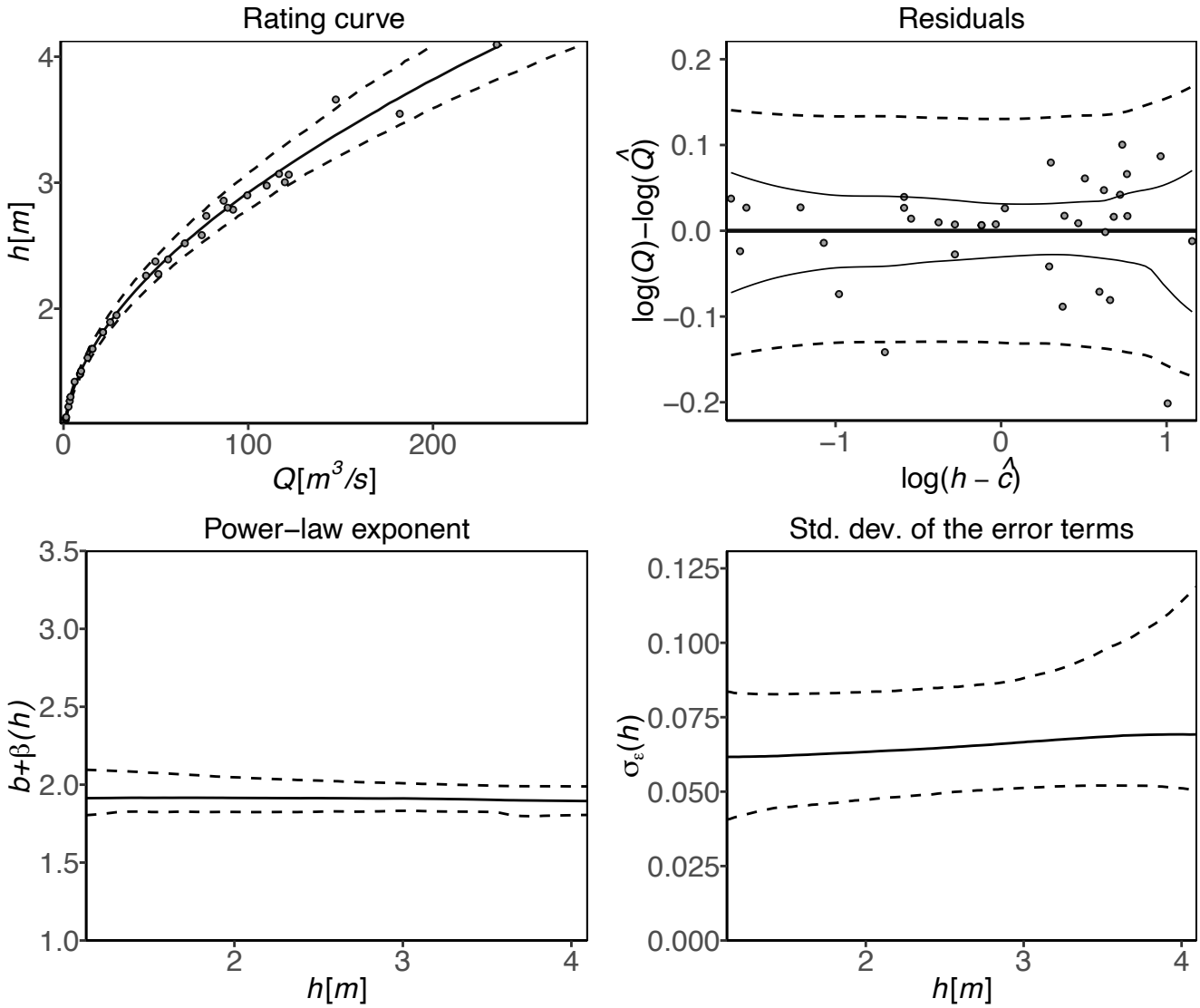
Station name:	Munkedal 2
Location:	Sweden
Station number:	257
Number of observations:	35
Start date:	1966–03–15
End date:	2019–11–10
Max. discharge (m^3/s):	234.5
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.33
GPLM0	1.12	0.19
PLM	0.16	0.30
PLM0	1.24	0.18



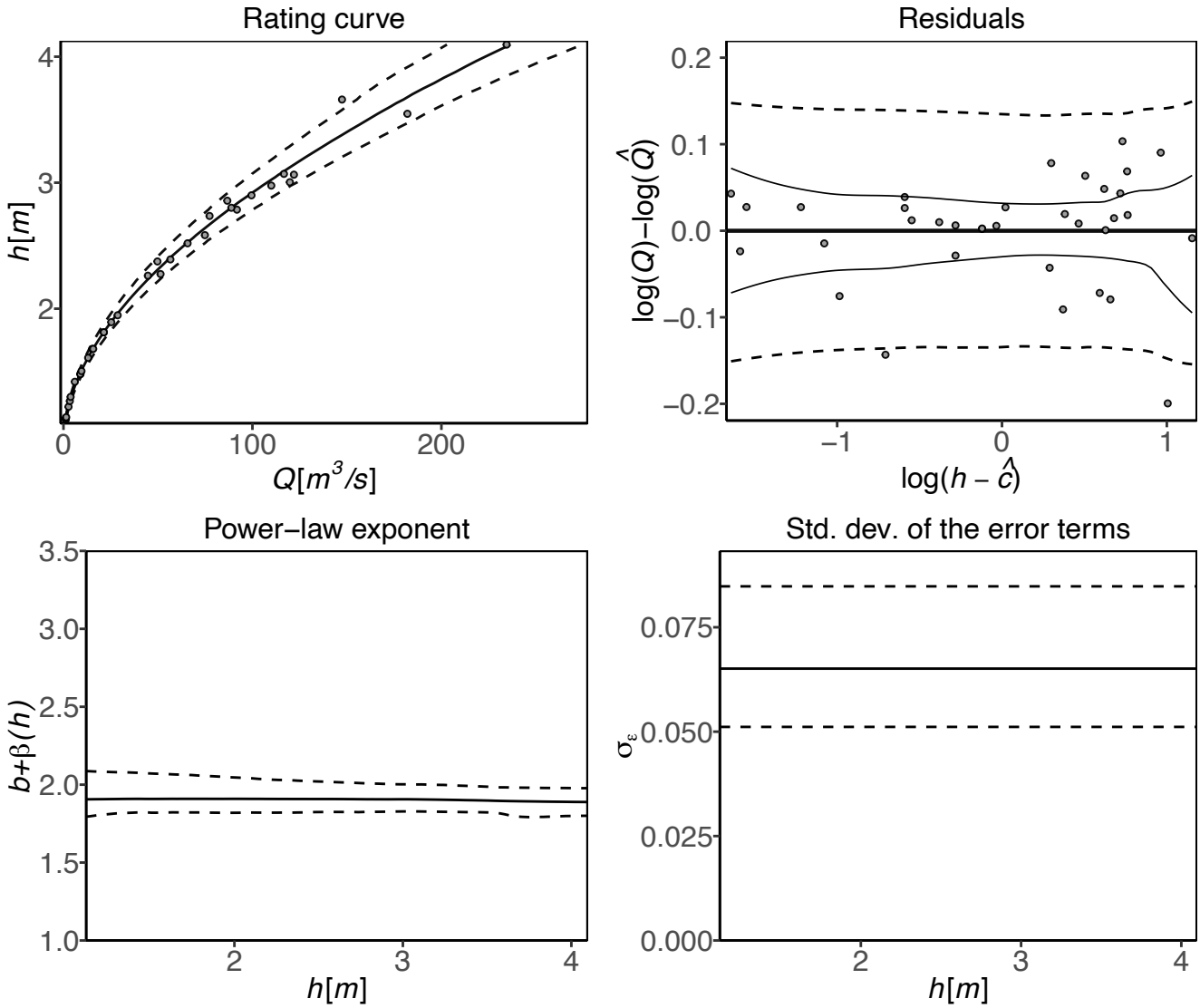


Munkedal 2, Sweden – GPLM



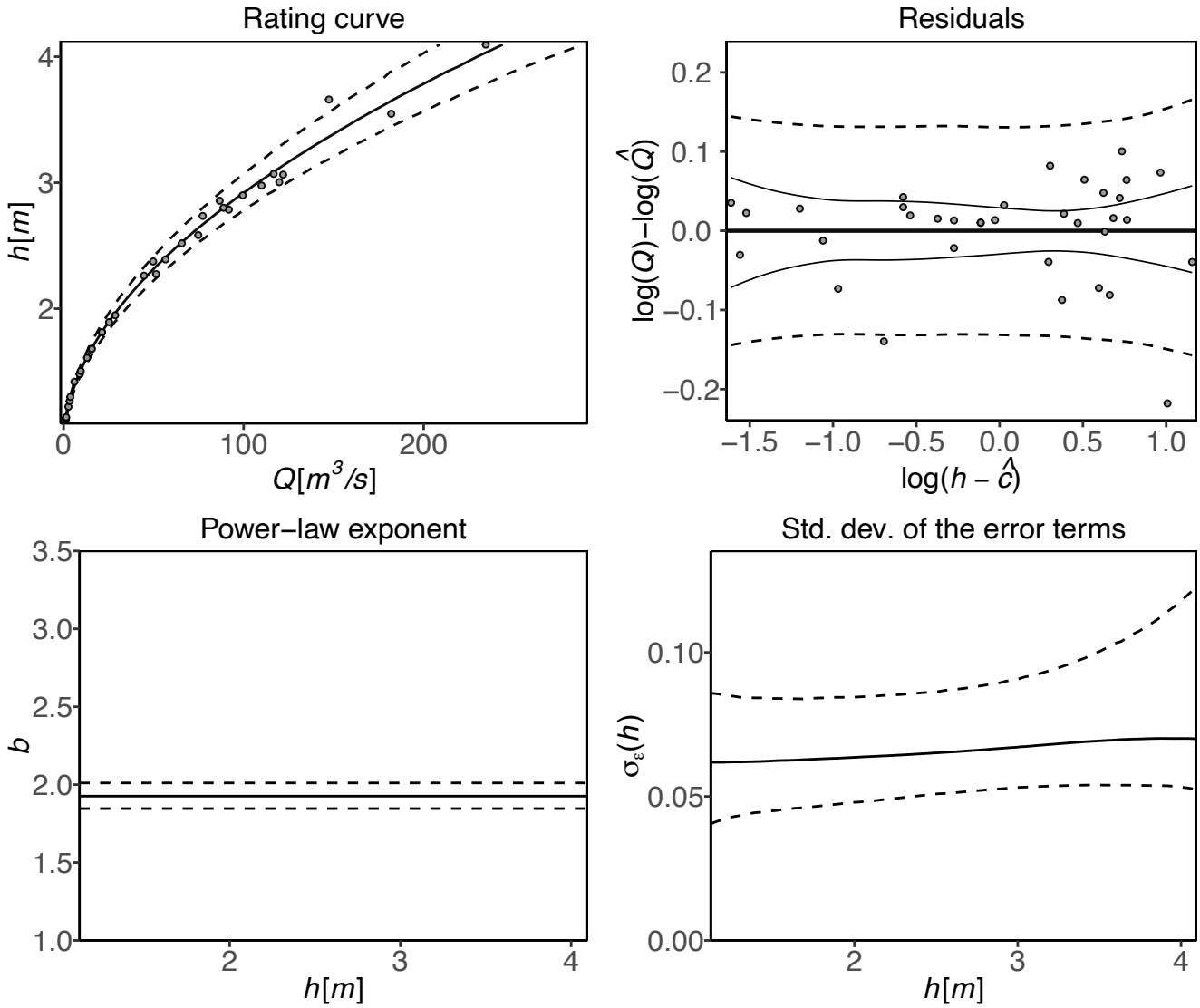
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	26.65	[24.26; 28.76]	1782	1.00
b	1.84	[1.83; 1.84]	6940	1.00
c	0.92	[0.88; 0.95]	1577	1.00
σ_β	0.11	[0.01; 0.46]	1314	1.01
ϕ_β	17.12	[0.40; 34185.48]	1099	1.01
σ_η	0.12	[0.01; 0.56]	1017	1.01
η_1	–5.57	[–6.41; –4.97]	2280	1.00
η_2	–5.45	[–7.20; –3.64]	1959	1.00
η_3	–5.18	[–7.60; –2.81]	1744	1.00
η_4	–4.71	[–7.88; –1.96]	1722	1.00
η_5	–4.31	[–8.10; –1.03]	1720	1.00
η_6	–4.25	[–8.48; –0.55]	1932	1.00

Munkedal 2, Sweden – GPLM0



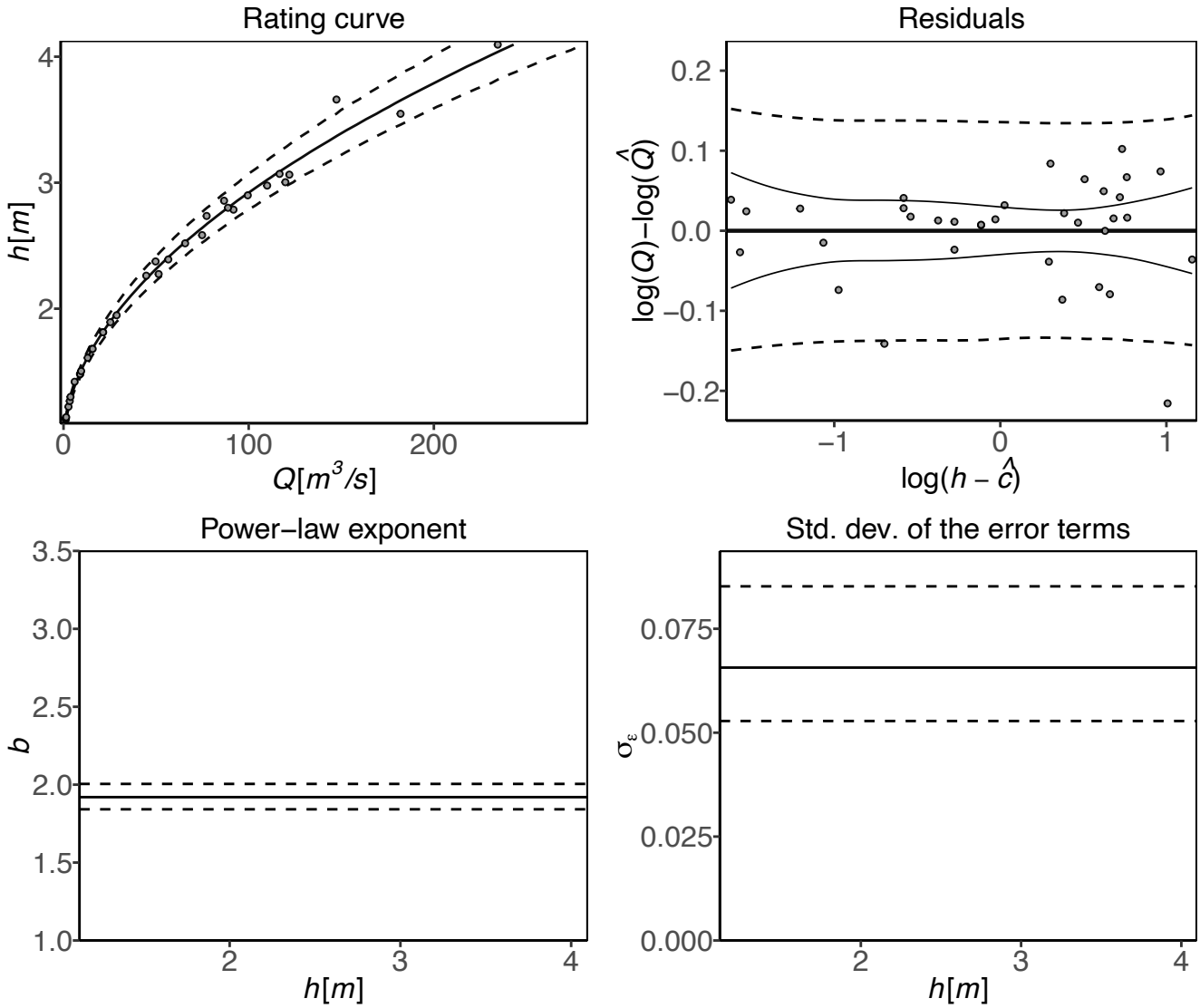
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	26.81	[24.39; 28.81]	3732	1.00
b	1.84	[1.83; 1.84]	8646	1.00
c	0.93	[0.88; 0.96]	3194	1.00
σ_ε	0.07	[0.05; 0.08]	3338	1.00
σ_β	0.32	[0.10; 0.68]	2723	1.00
ϕ_β	14.50	[0.42; 9496.52]	1725	1.00

Munkedal 2, Sweden – PLM



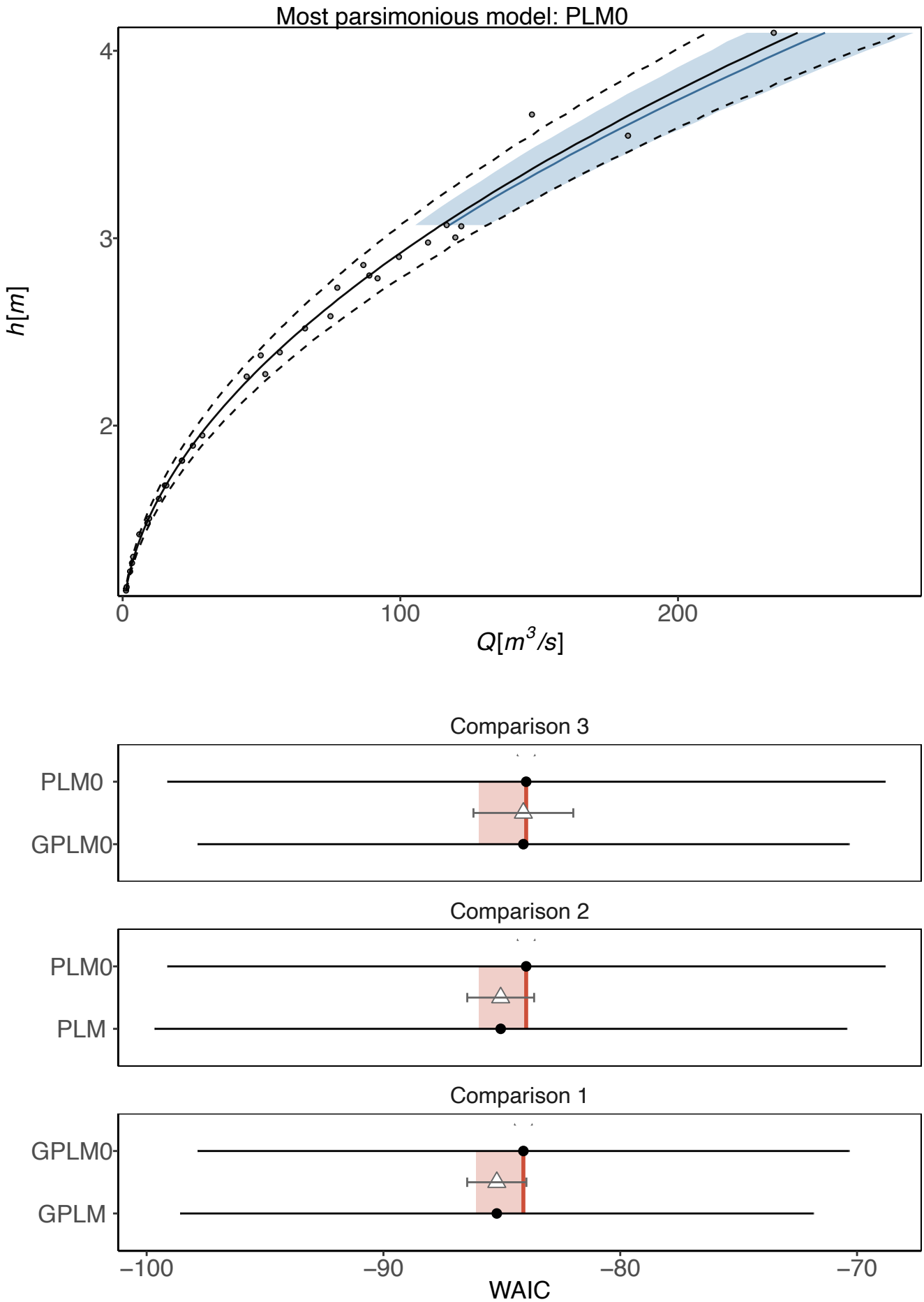
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	26.34	[24.50; 28.28]	2354	1.00
b	1.93	[1.85; 2.01]	2389	1.00
c	0.92	[0.89; 0.95]	2185	1.00
σ_η	0.13	[0.00; 0.58]	1040	1.01
η_1	–5.57	[–6.41; –4.91]	3012	1.00
η_2	–5.47	[–7.21; –3.67]	2308	1.00
η_3	–5.18	[–7.56; –2.72]	2317	1.00
η_4	–4.65	[–7.67; –1.71]	2121	1.00
η_5	–4.15	[–7.88; –0.84]	2457	1.00
η_6	–4.11	[–8.41; –0.37]	2740	1.00

Munkedal 2, Sweden – PLM0



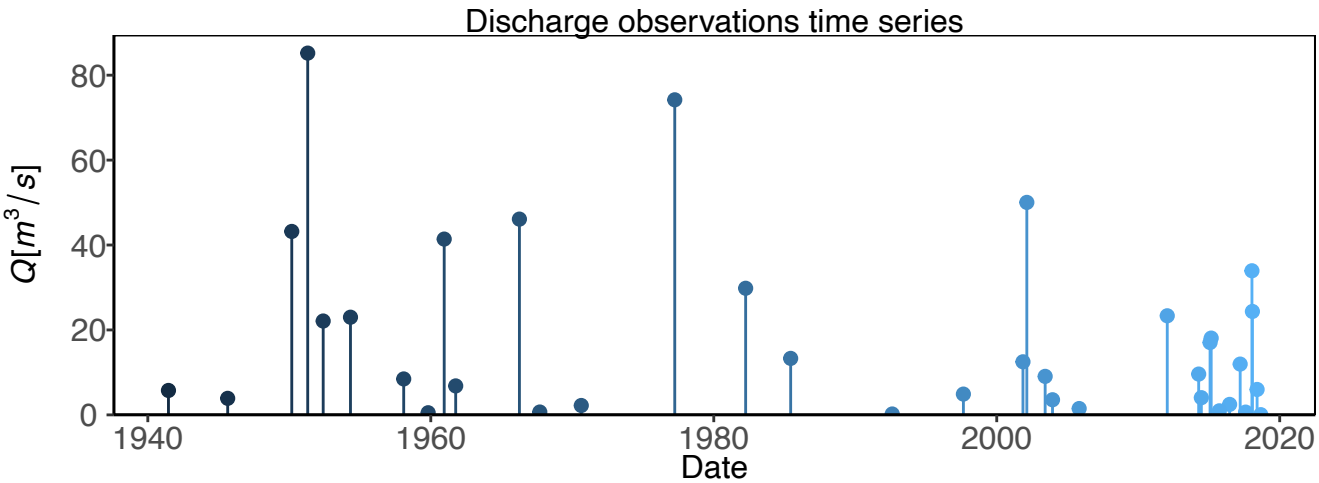
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	26.46	[24.52; 28.35]	8439	1.00
b	1.92	[1.84; 2.00]	8563	1.00
c	0.92	[0.90; 0.95]	8043	1.00
σ_ε	0.07	[0.05; 0.09]	9836	1.00

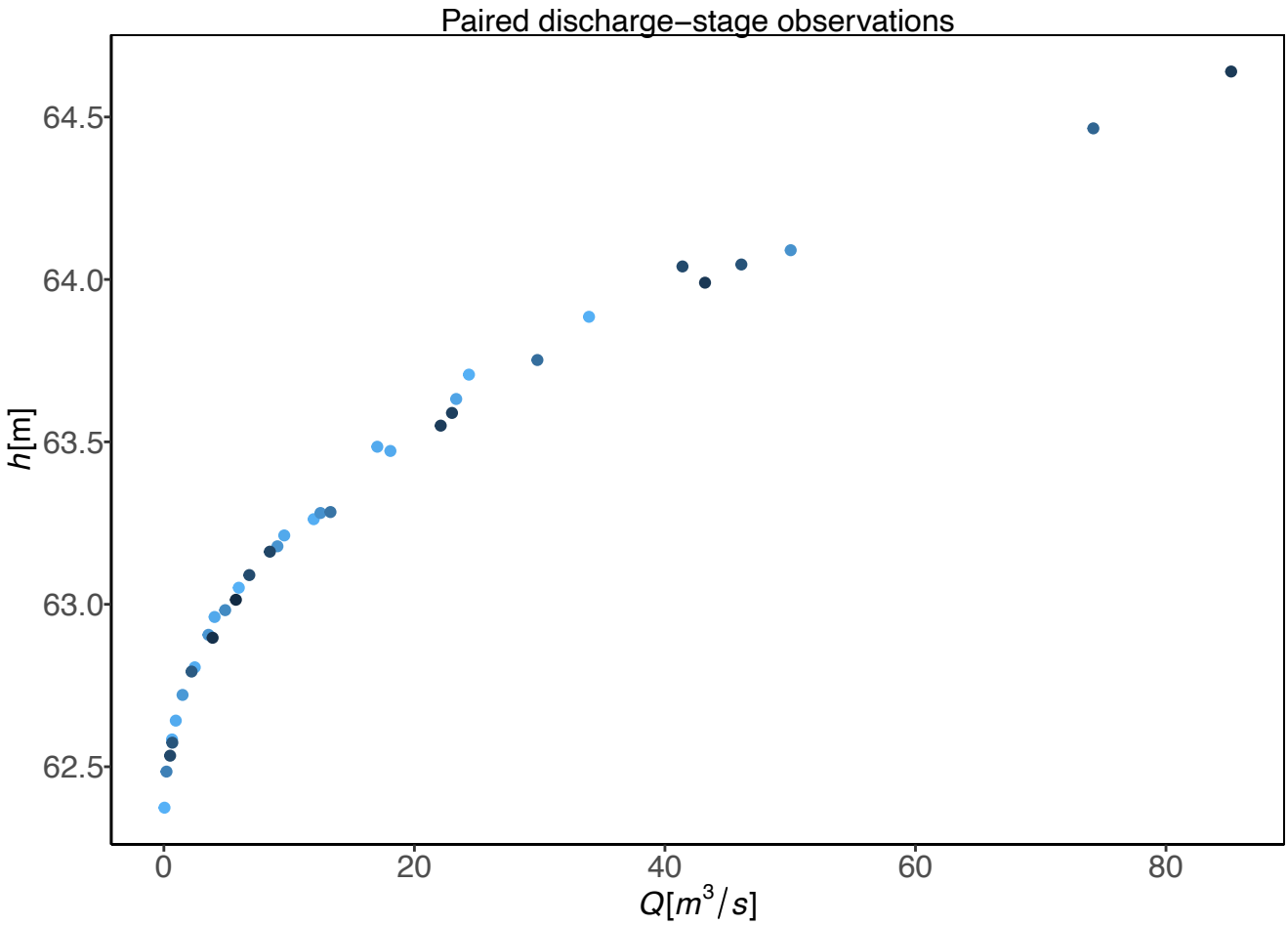
Power−law tournament results for Munkedal 2, Sweden



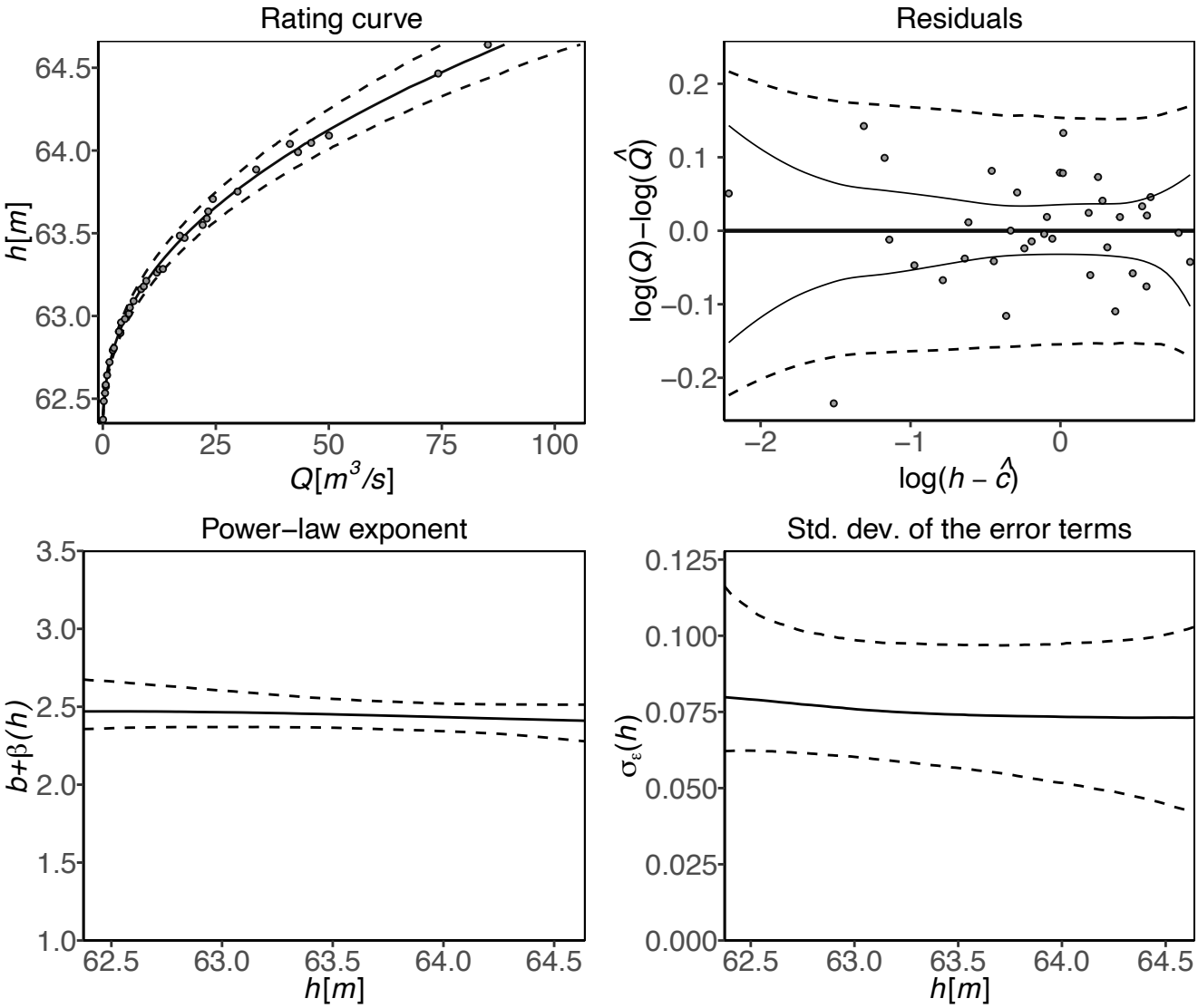
Station name:	Getebro
Location:	Sweden
Station number:	855
Number of observations:	36
Start date:	1941–06–17
End date:	2018–08–30
Max. discharge (m^3/s):	85.2
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.37
GPLM0	0.86	0.24
PLM	0.85	0.24
PLM0	1.81	0.15



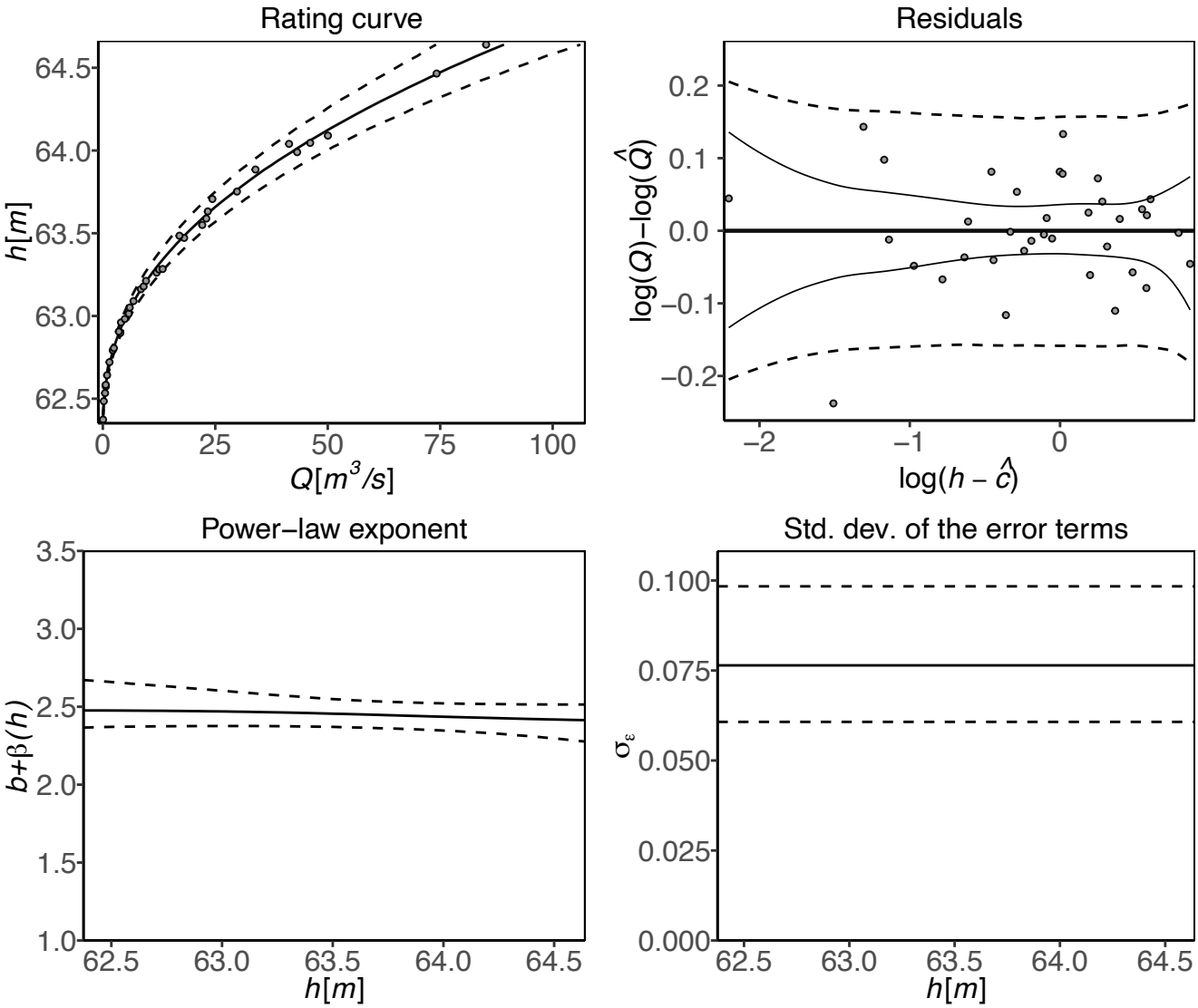


Getebro, Sweden – GPLM



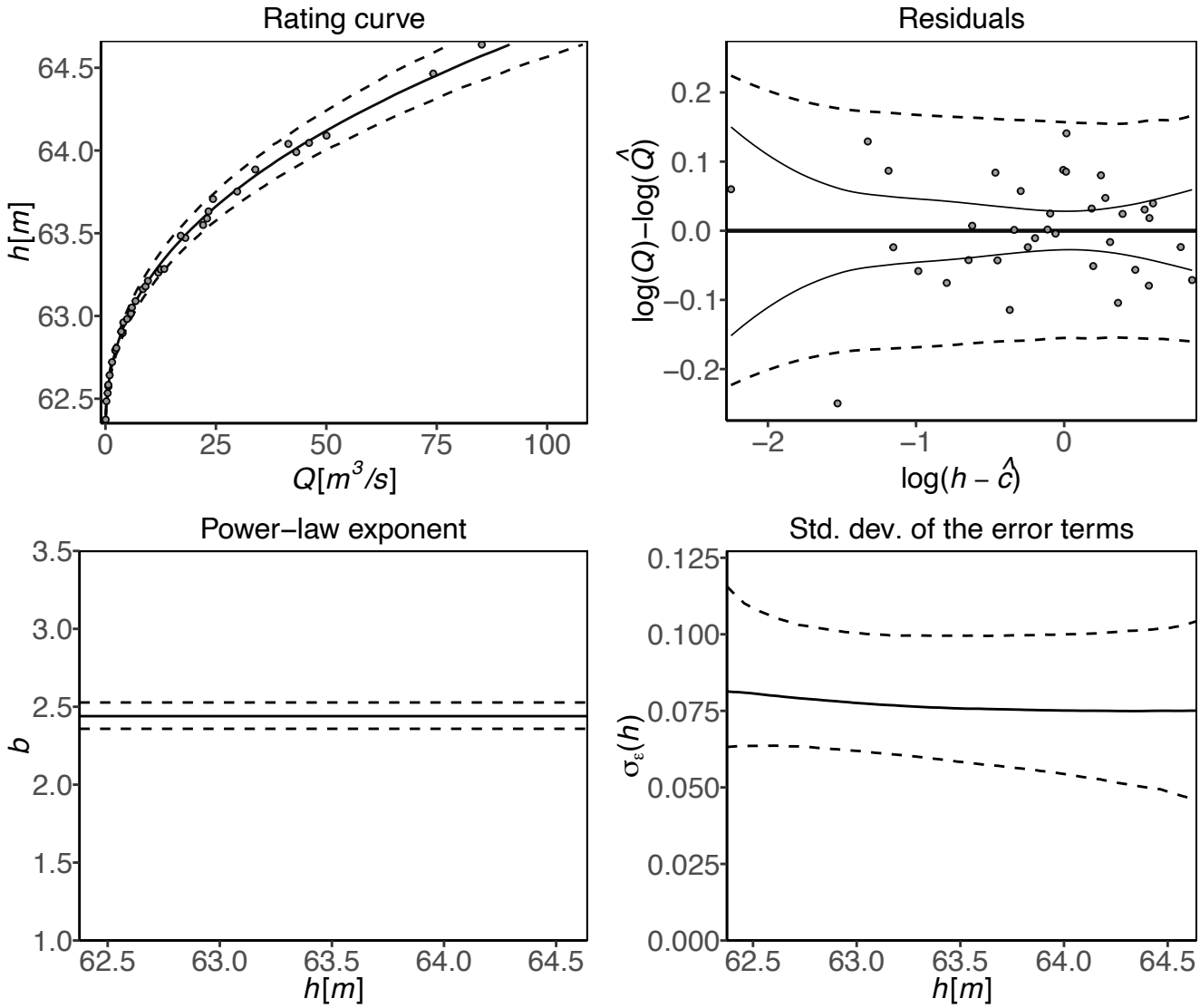
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.08	[10.41; 11.71]	2654	1.00
b	1.84	[1.83; 1.84]	9878	1.00
c	62.26	[62.24; 62.28]	2017	1.00
σ_β	0.44	[0.22; 0.99]	2264	1.00
ϕ_β	16.01	[2.09; 6854.99]	857	1.01
σ_η	0.10	[0.00; 0.51]	1421	1.00
η_1	−5.06	[−5.56; −4.30]	2306	1.00
η_2	−5.29	[−7.17; −3.46]	1993	1.00
η_3	−5.69	[−8.15; −2.93]	2195	1.00
η_4	−5.97	[−8.93; −2.47]	2107	1.00
η_5	−6.08	[−9.65; −2.23]	2099	1.00
η_6	−6.15	[−10.22; −1.80]	2196	1.00

Getebro, Sweden – GPLM0



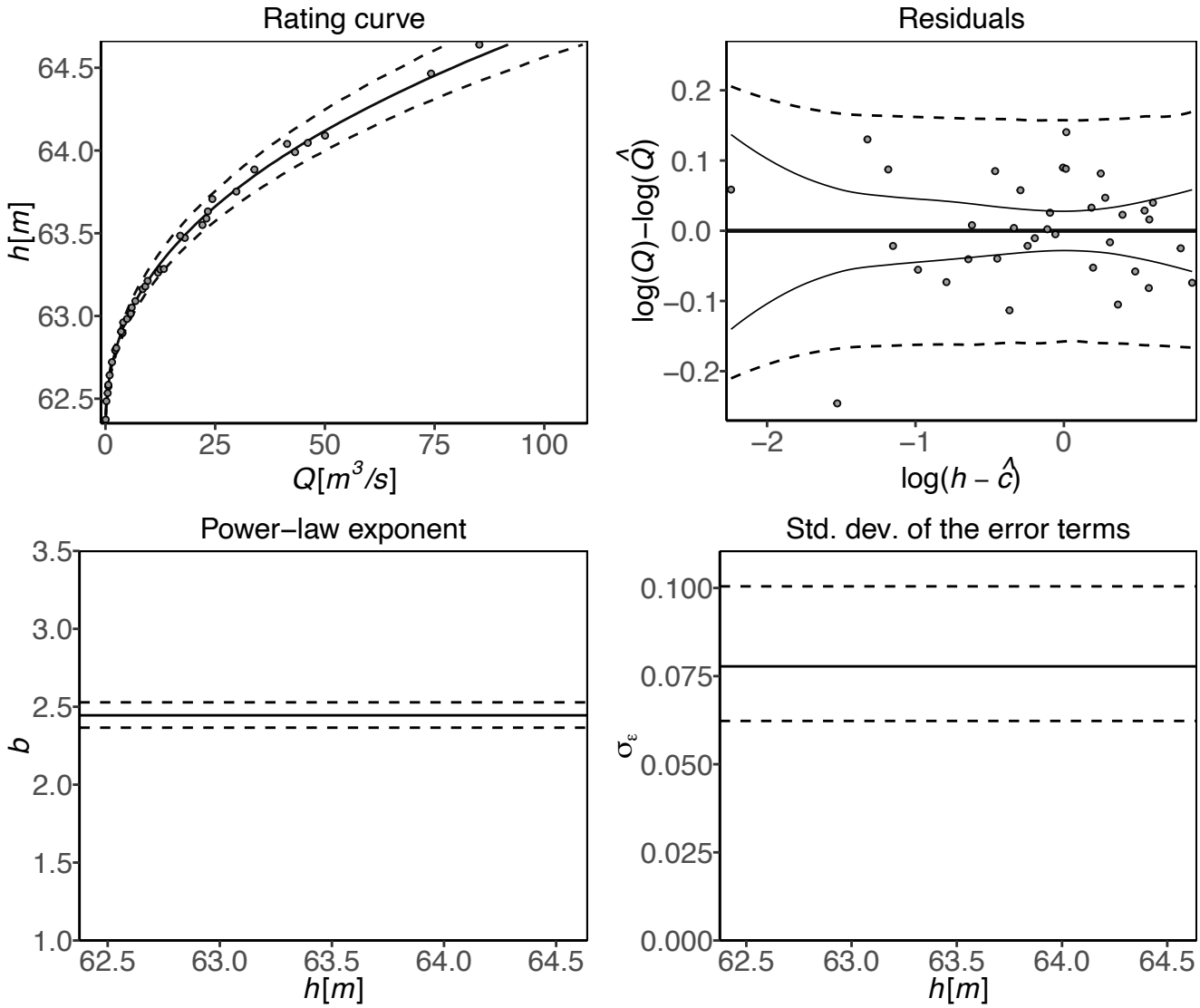
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.06	[10.41; 11.64]	6240	1.00
b	1.84	[1.83; 1.84]	11248	1.00
c	62.26	[62.24; 62.28]	4345	1.00
σ_ε	0.08	[0.06; 0.10]	4589	1.00
σ_β	0.66	[0.47; 0.97]	5946	1.00
ϕ_β	16.52	[2.28; 10933.77]	1185	1.01

Getebro, Sweden – PLM



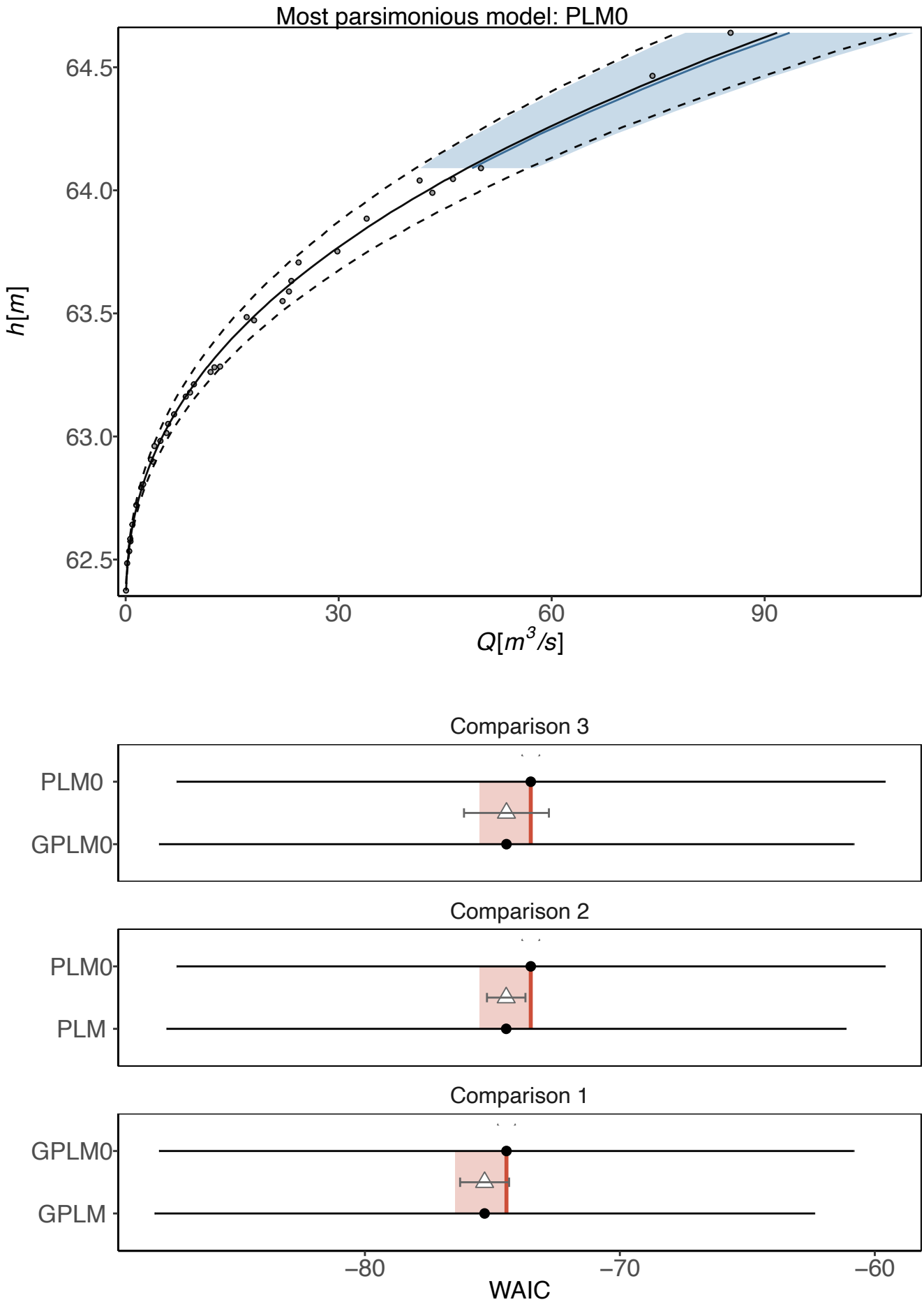
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.12	[10.54; 11.70]	3160	1.00
b	2.44	[2.36; 2.53]	3048	1.00
c	62.27	[62.25; 62.28]	2450	1.00
σ_η	0.10	[0.00; 0.50]	1541	1.00
η_1	–5.02	[–5.52; –4.31]	2820	1.00
η_2	–5.27	[–7.13; –3.39]	2528	1.00
η_3	–5.67	[–8.18; –3.00]	2758	1.00
η_4	–5.94	[–9.01; –2.52]	2584	1.00
η_5	–6.05	[–9.60; –2.09]	2677	1.00
η_6	–6.06	[–10.15; –1.72]	2699	1.00

Getebro, Sweden – PLM0



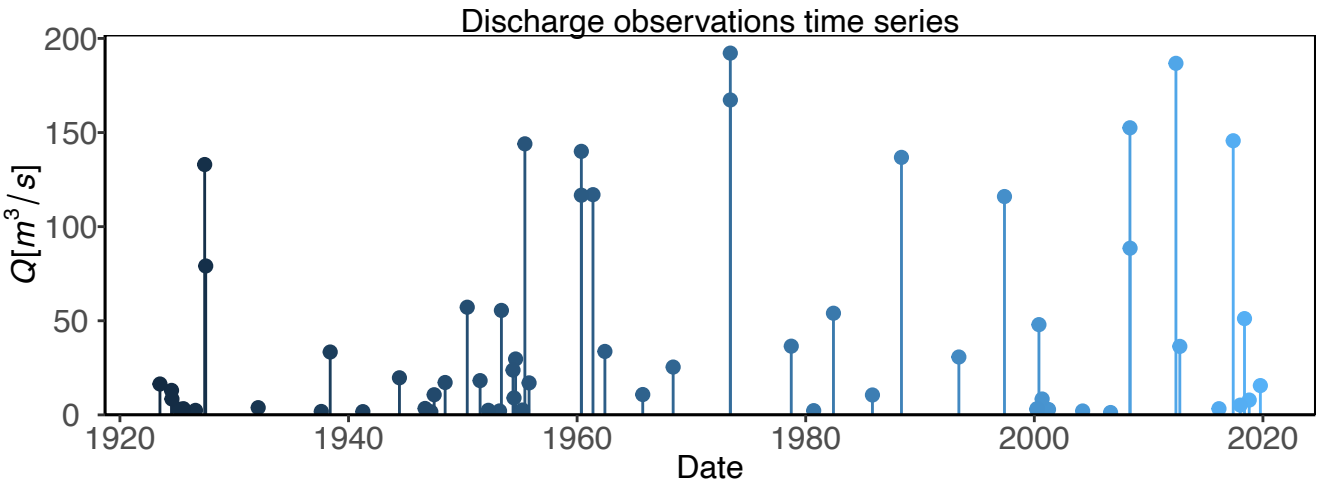
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.10	[10.53; 11.65]	11249	1.00
b	2.44	[2.37; 2.53]	10313	1.00
c	62.27	[62.25; 62.28]	9531	1.00
σ_ε	0.08	[0.06; 0.10]	9819	1.00

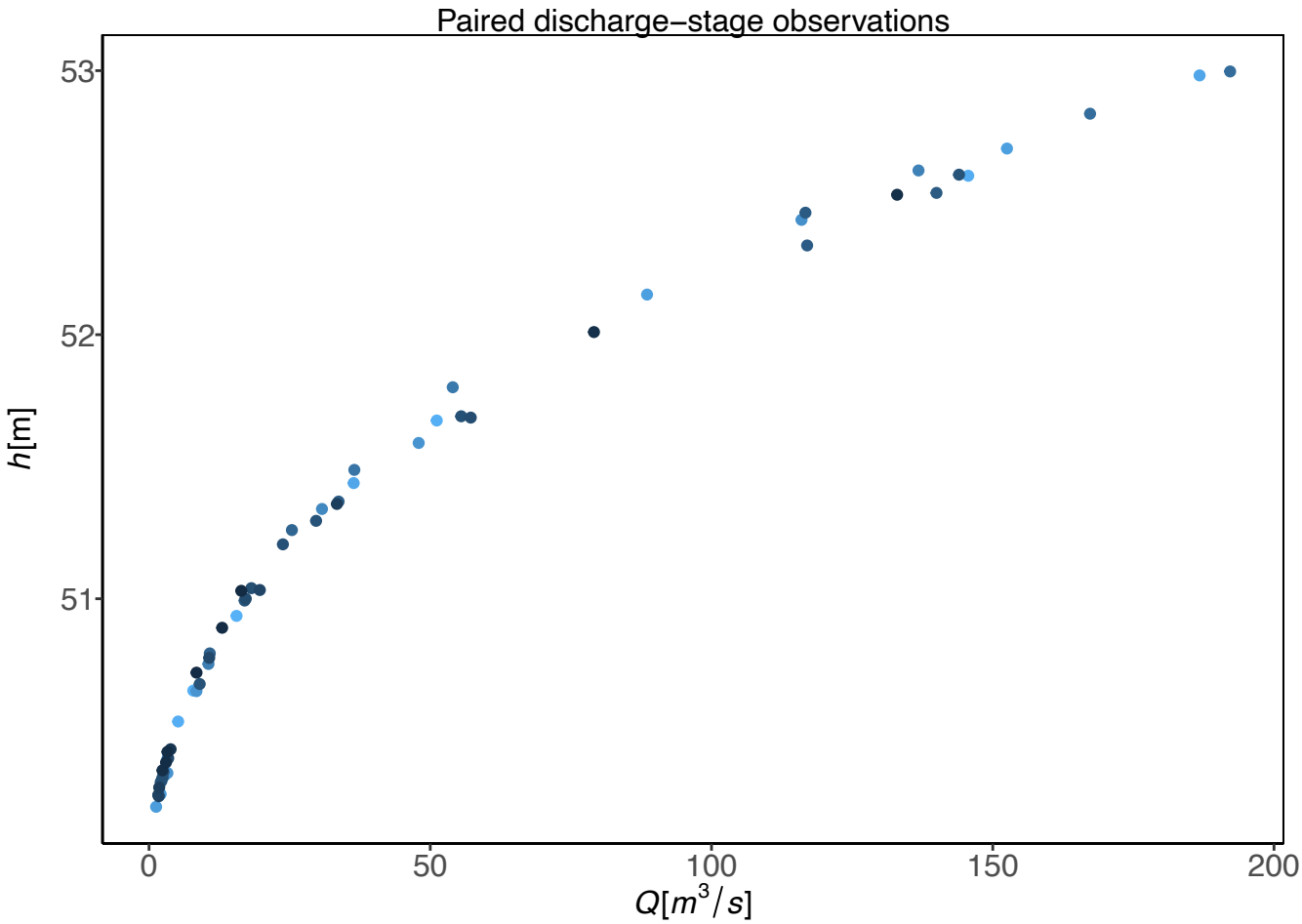
Power−law tournament results for Getebro, Sweden



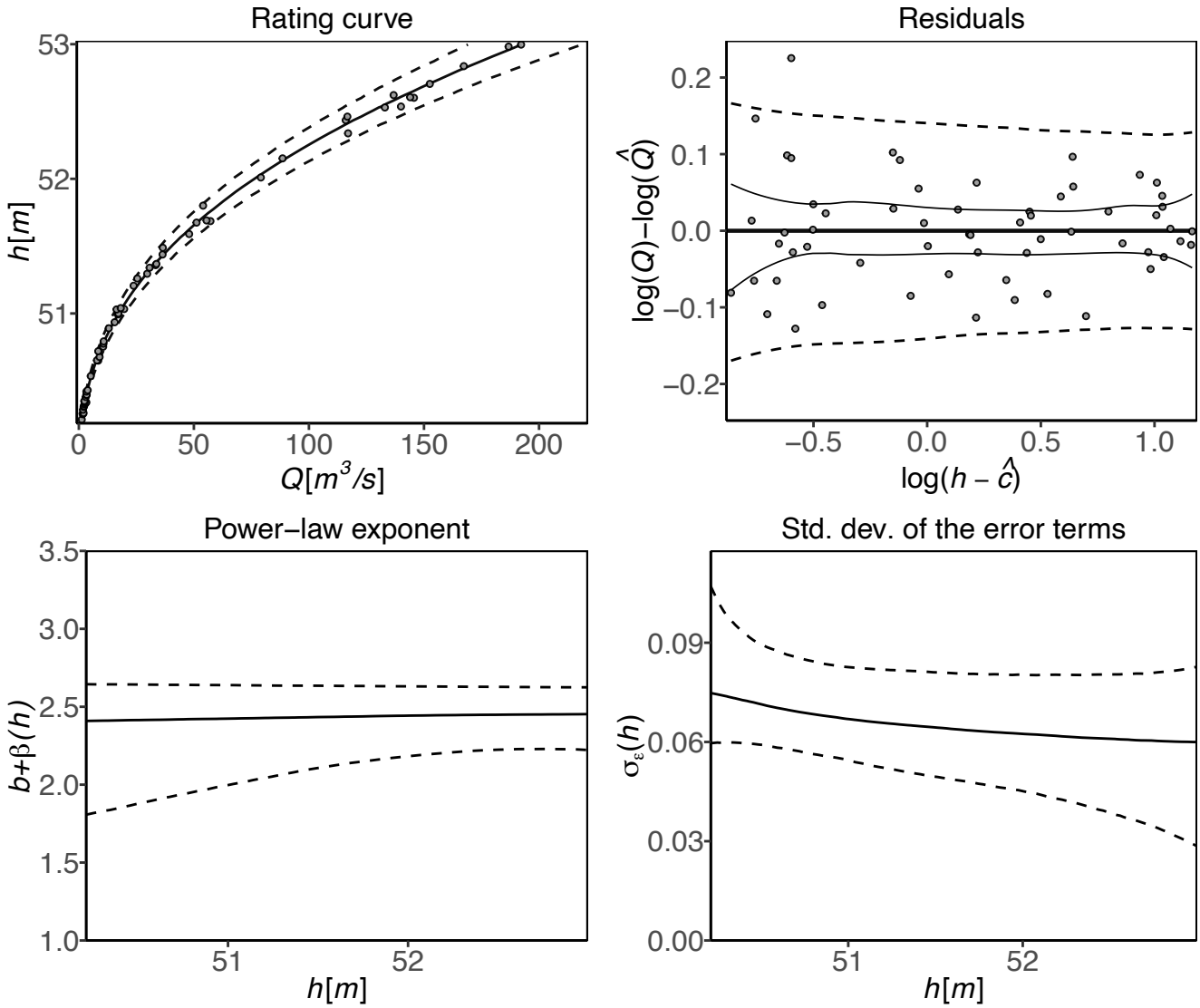
Station name:	Ytterholmen
Location:	Sweden
Station number:	1123
Number of observations:	60
Start date:	1923–07–04
End date:	2019–10–11
Max. discharge (m^3/s):	192.2
Tournament winner:	PLM

	dWAIC	Akaike weights
GPLM	0.72	0.36
GPLM0	4.21	0.06
PLM	0.00	0.51
PLM0	4.12	0.07



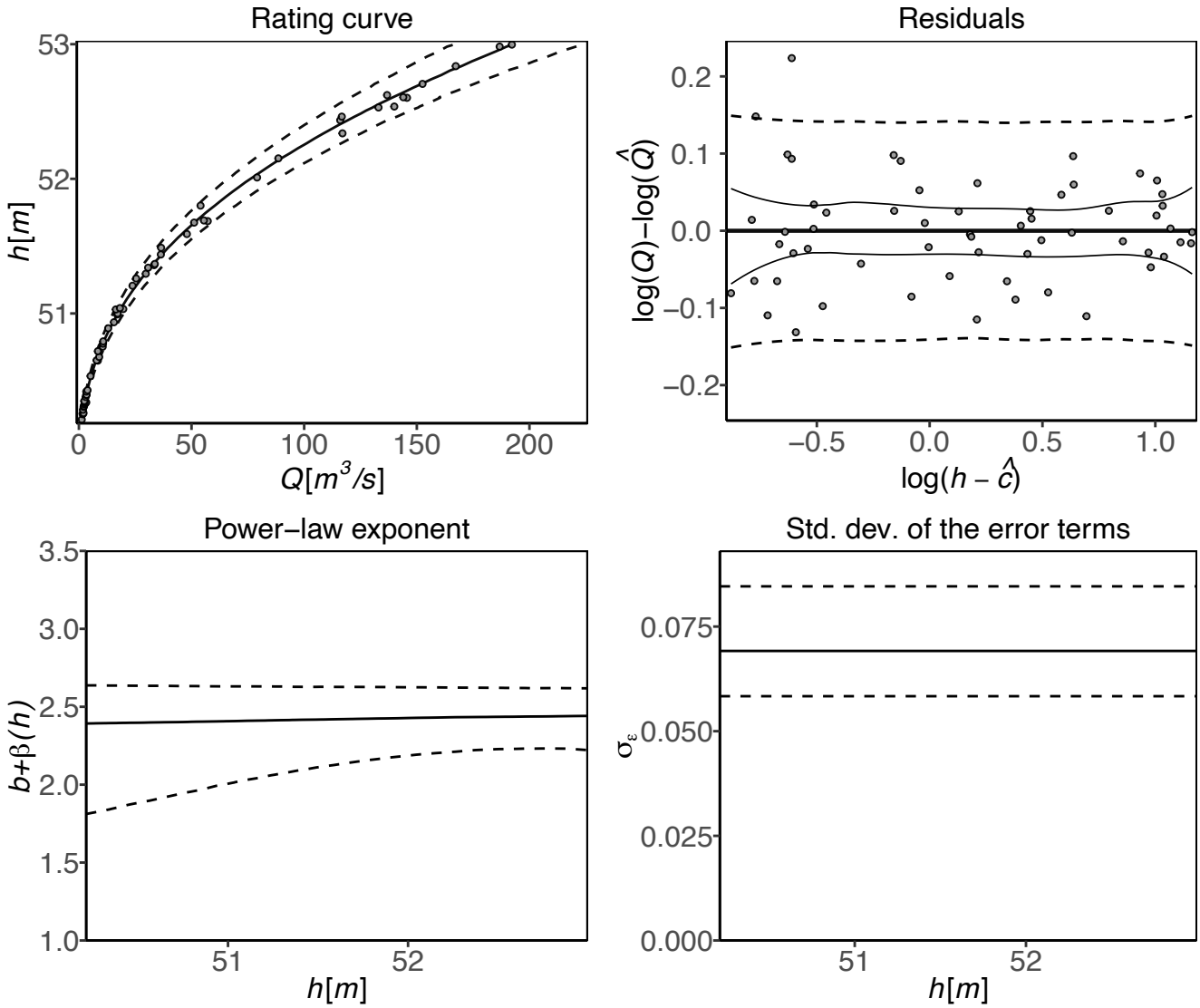


Ytterholmen, Sweden – GPLM



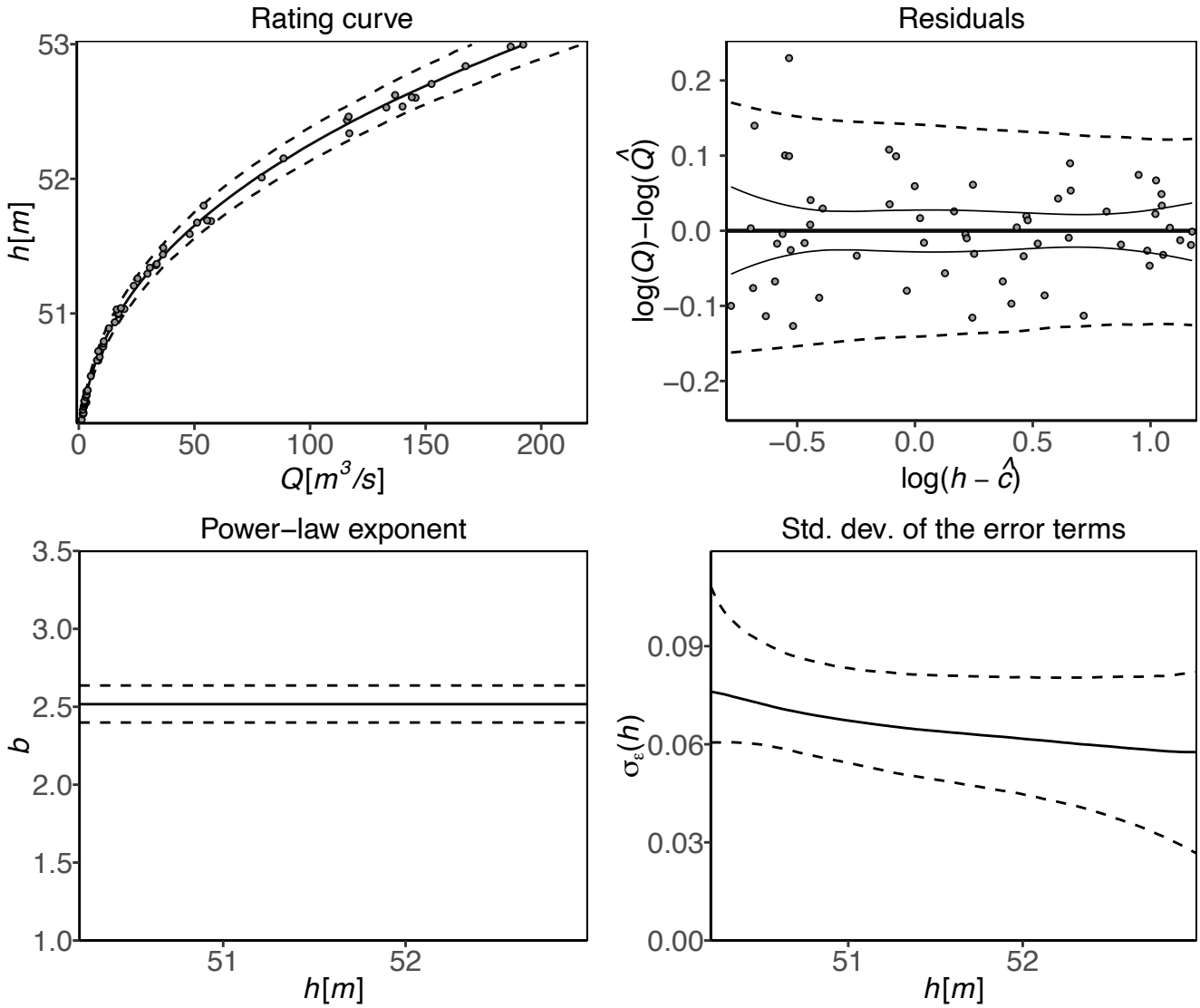
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.99	[8.57; 16.11]	1823	1.02
b	1.84	[1.83; 1.84]	6301	1.00
c	49.79	[49.70; 49.97]	1759	1.02
σ_β	0.40	[0.19; 0.92]	1898	1.00
ϕ_β	17.20	[1.90; 11379.77]	784	1.11
σ_η	0.18	[0.01; 0.62]	826	1.08
η_1	–5.19	[–5.64; –4.47]	1560	1.01
η_2	–5.69	[–7.48; –3.92]	1401	1.01
η_3	–6.35	[–8.68; –3.68]	1380	1.03
η_4	–6.85	[–9.52; –3.37]	1517	1.01
η_5	–7.28	[–10.47; –3.08]	1564	1.01
η_6	–7.54	[–11.29; –2.77]	1812	1.00

Ytterholmen, Sweden – GPLM0



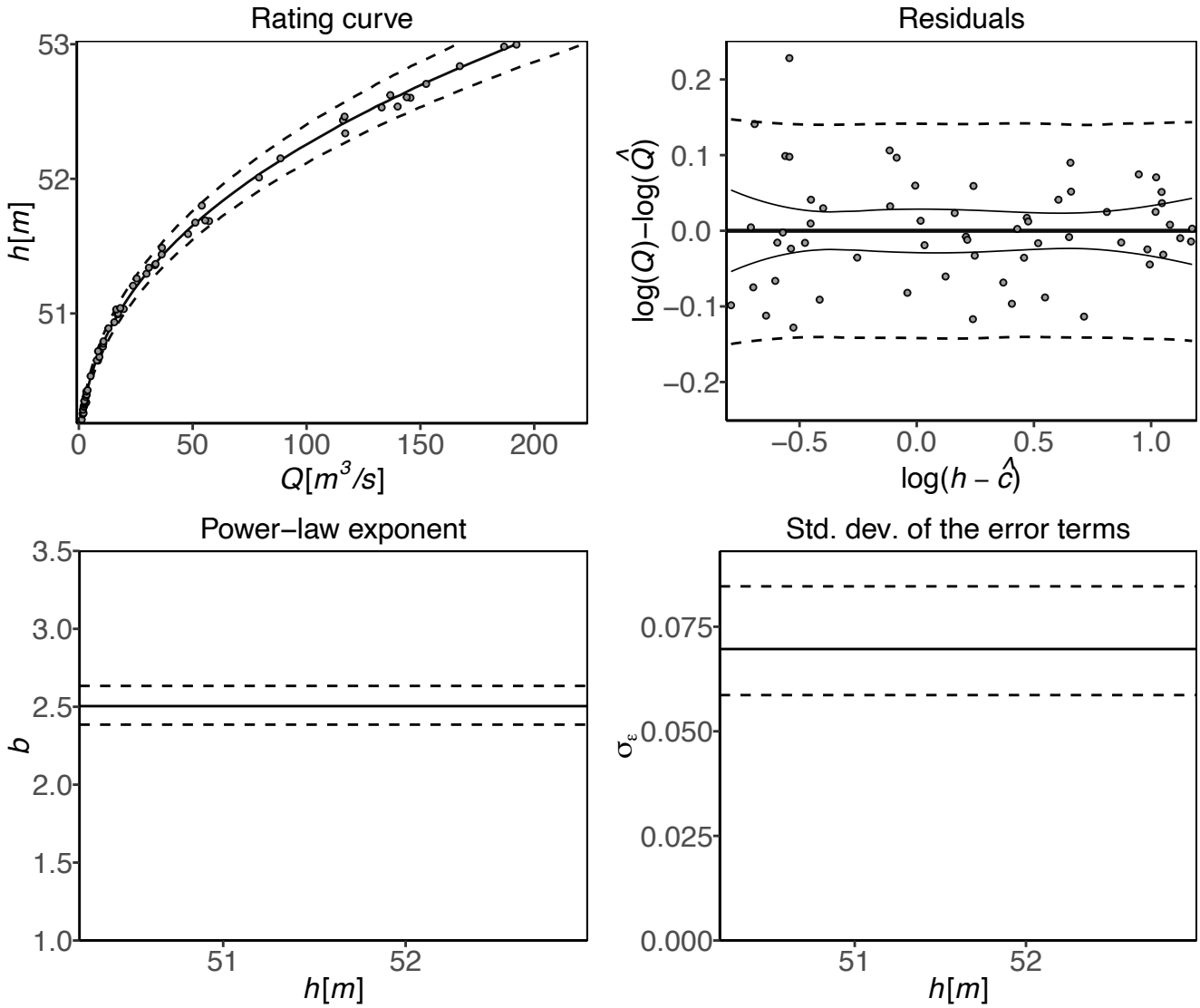
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.21	[8.67; 15.98]	2940	1.00
b	1.84	[1.83; 1.84]	5045	1.00
c	49.80	[49.71; 49.96]	2947	1.00
σ_ε	0.07	[0.06; 0.08]	2411	1.00
σ_β	0.63	[0.44; 0.95]	3086	1.00
ϕ_β	15.72	[1.83; 40723.60]	874	1.03

Ytterholmen, Sweden – PLM



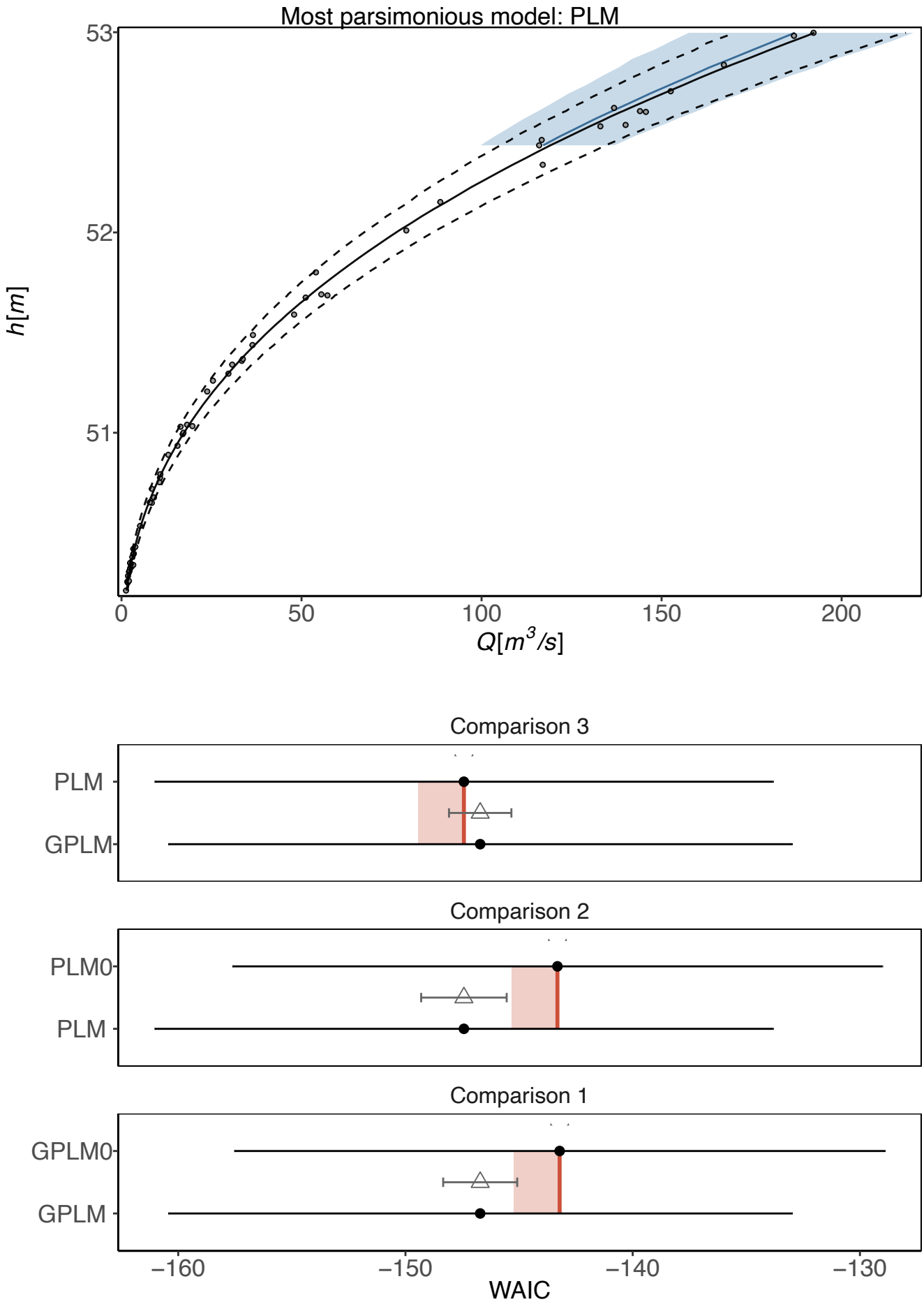
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.97	[8.48; 11.57]	2677	1.00
b	2.52	[2.40; 2.64]	2753	1.00
c	49.75	[49.70; 49.81]	2639	1.00
σ_η	0.21	[0.01; 0.66]	857	1.02
η_1	–5.15	[–5.61; –4.45]	1964	1.00
η_2	–5.65	[–7.41; –3.95]	1992	1.00
η_3	–6.34	[–8.60; –3.81]	1970	1.00
η_4	–6.87	[–9.53; –3.37]	2201	1.00
η_5	–7.41	[–10.44; –3.11]	2319	1.00
η_6	–7.70	[–11.23; –2.88]	2776	1.00

Ytterholmen, Sweden – PLM0



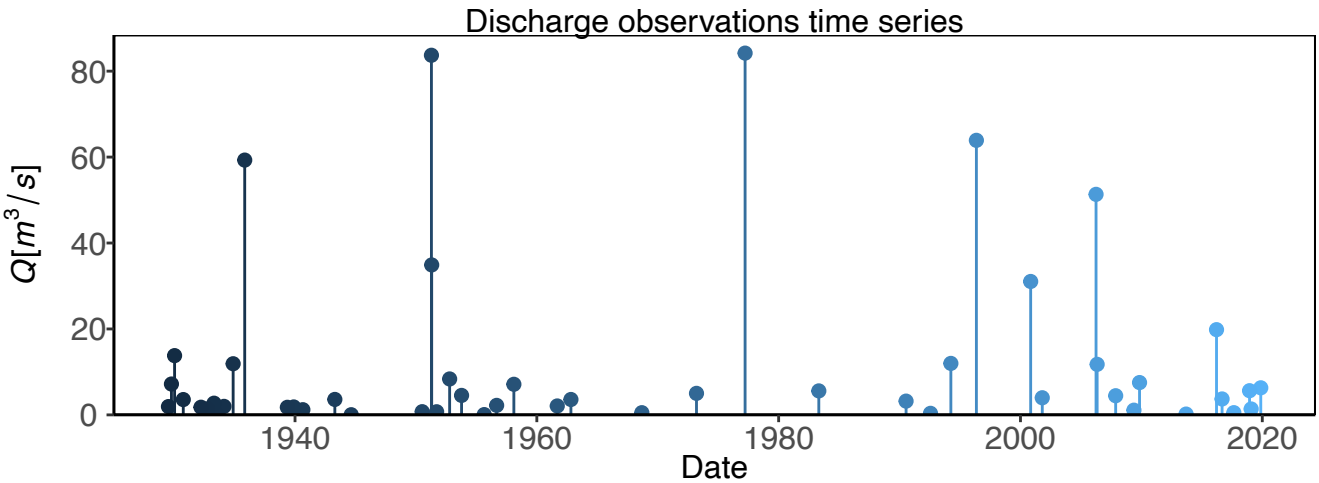
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.12	[8.55; 11.70]	9598	1.00
b	2.50	[2.39; 2.63]	9853	1.00
c	49.76	[49.70; 49.81]	9537	1.00
σ_ε	0.07	[0.06; 0.08]	8634	1.00

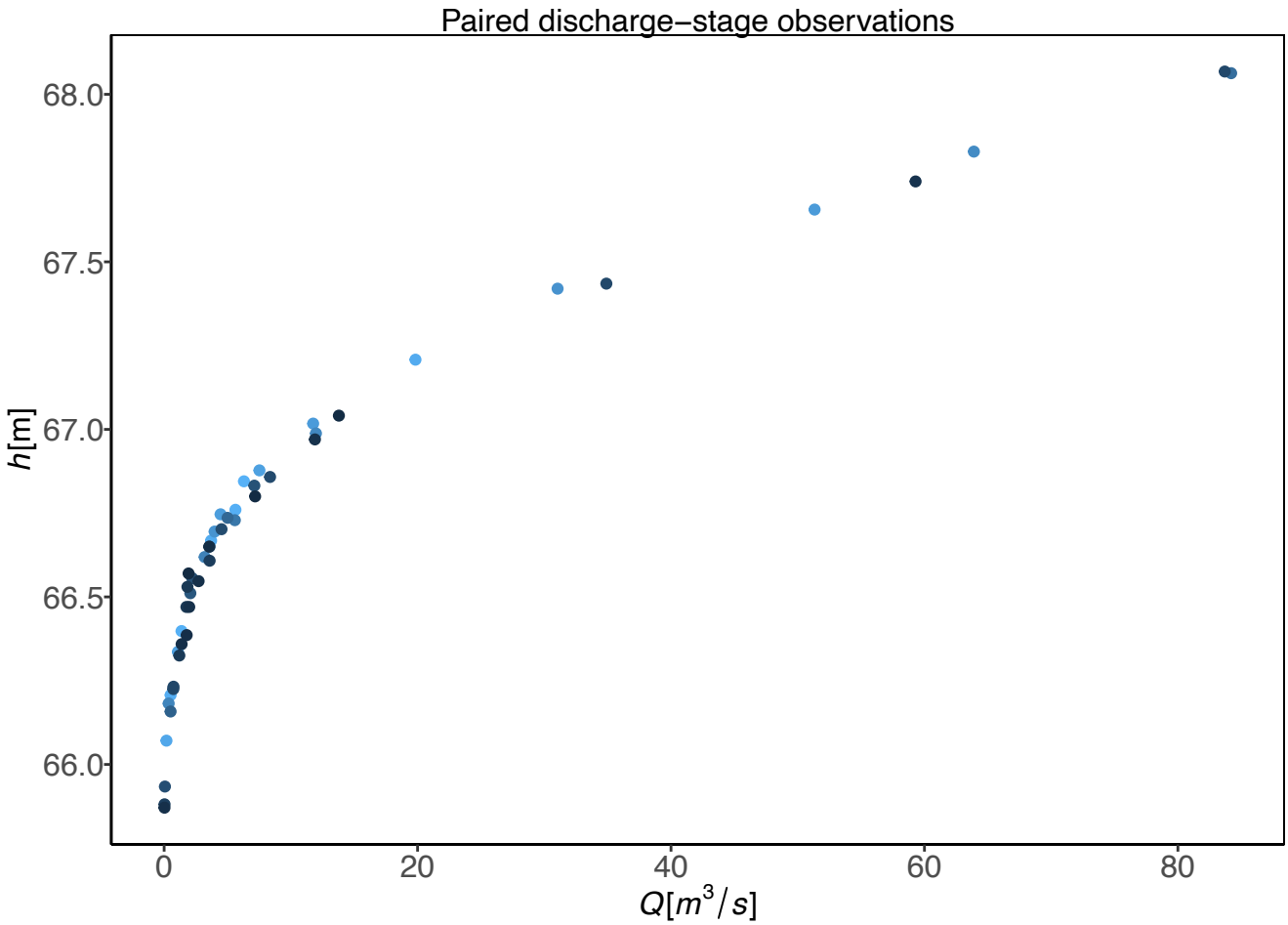
Power−law tournament results for Ytterholmen, Sweden



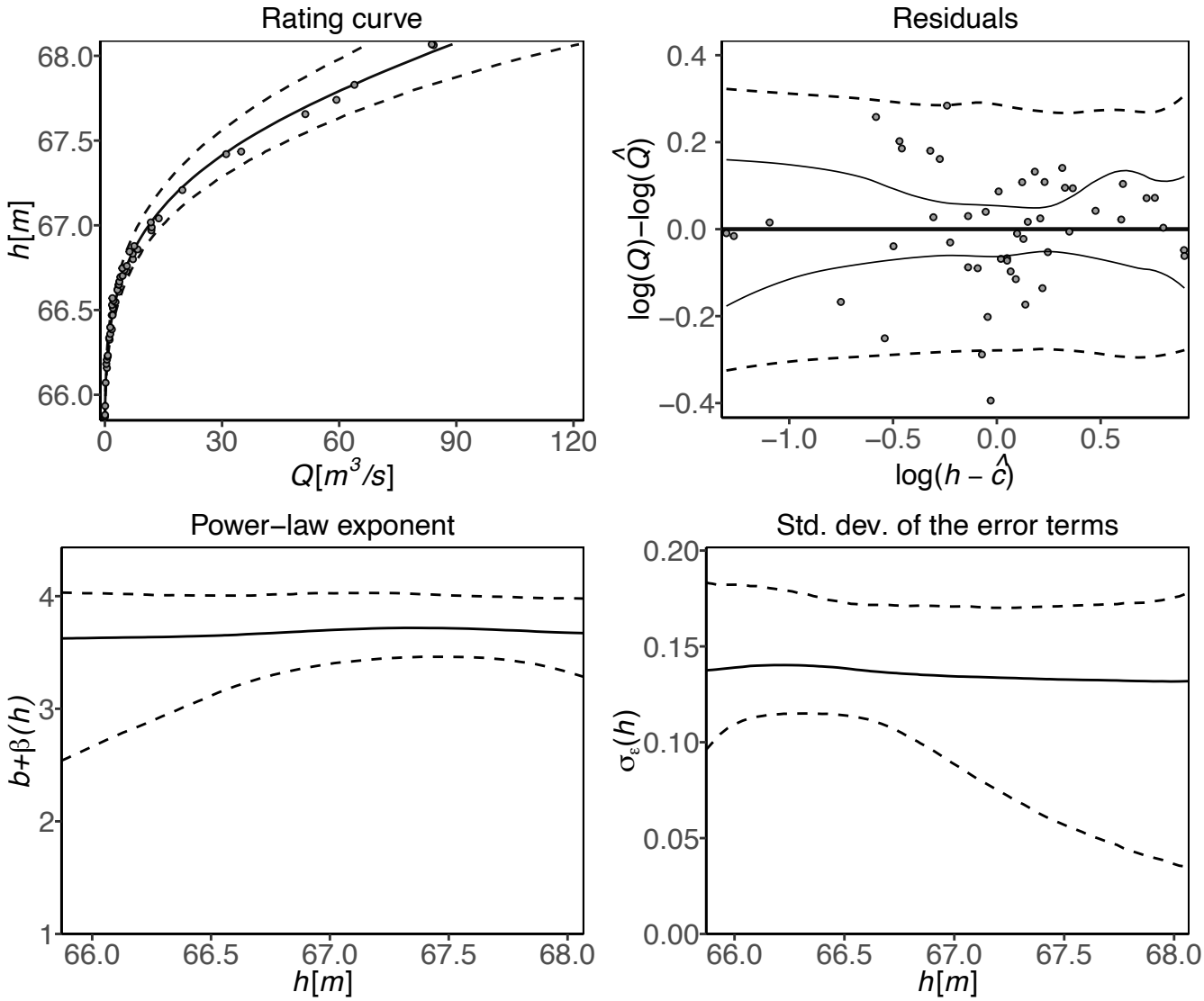
Station name:	Sundstorp
Location:	Sweden
Station number:	1236
Number of observations:	49
Start date:	1929–07–14
End date:	2019–11–16
Max. discharge (m^3/s):	84.2
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.51
GPLM0	1.50	0.24
PLM	2.63	0.14
PLM0	3.15	0.11



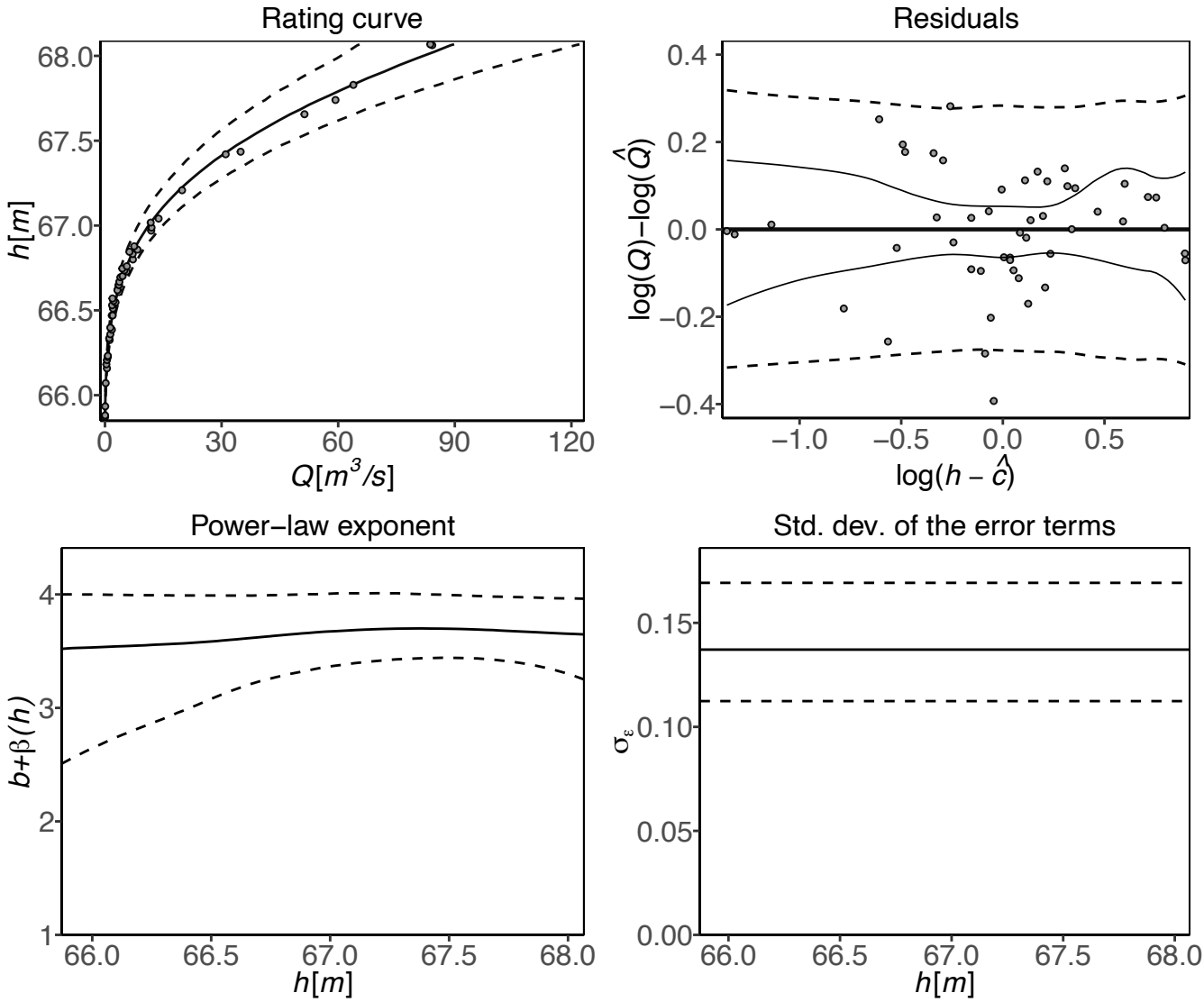


Sundstorp, Sweden – GPLM



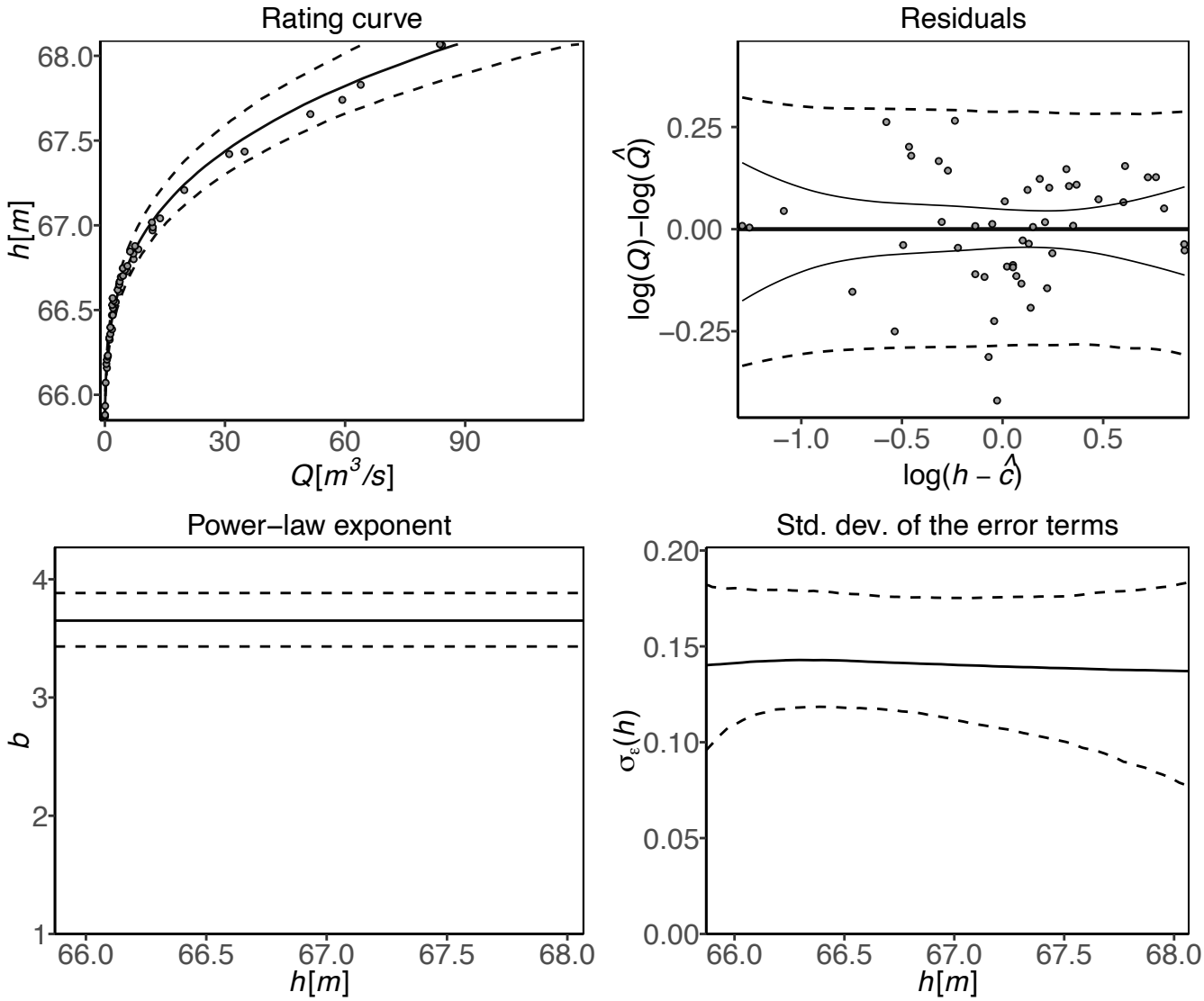
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.25	[2.38; 5.17]	1084	1.05
b	1.84	[1.83; 1.84]	6200	1.00
c	65.60	[65.53; 65.74]	991	1.05
σ_β	0.86	[0.52; 1.48]	1667	1.01
ϕ_β	20.45	[1.29; 14604.63]	720	1.47
σ_η	0.10	[0.00; 0.80]	770	1.07
η_1	–3.97	[–4.68; –3.39]	2067	1.00
η_2	–3.68	[–5.44; –2.02]	975	1.03
η_3	–3.98	[–6.11; –1.55]	1080	1.03
η_4	–4.35	[–7.32; –1.15]	1157	1.02
η_5	–4.56	[–8.30; –0.66]	1391	1.01
η_6	–4.64	[–9.06; –0.23]	1608	1.00

Sundstorp, Sweden – GPLM0



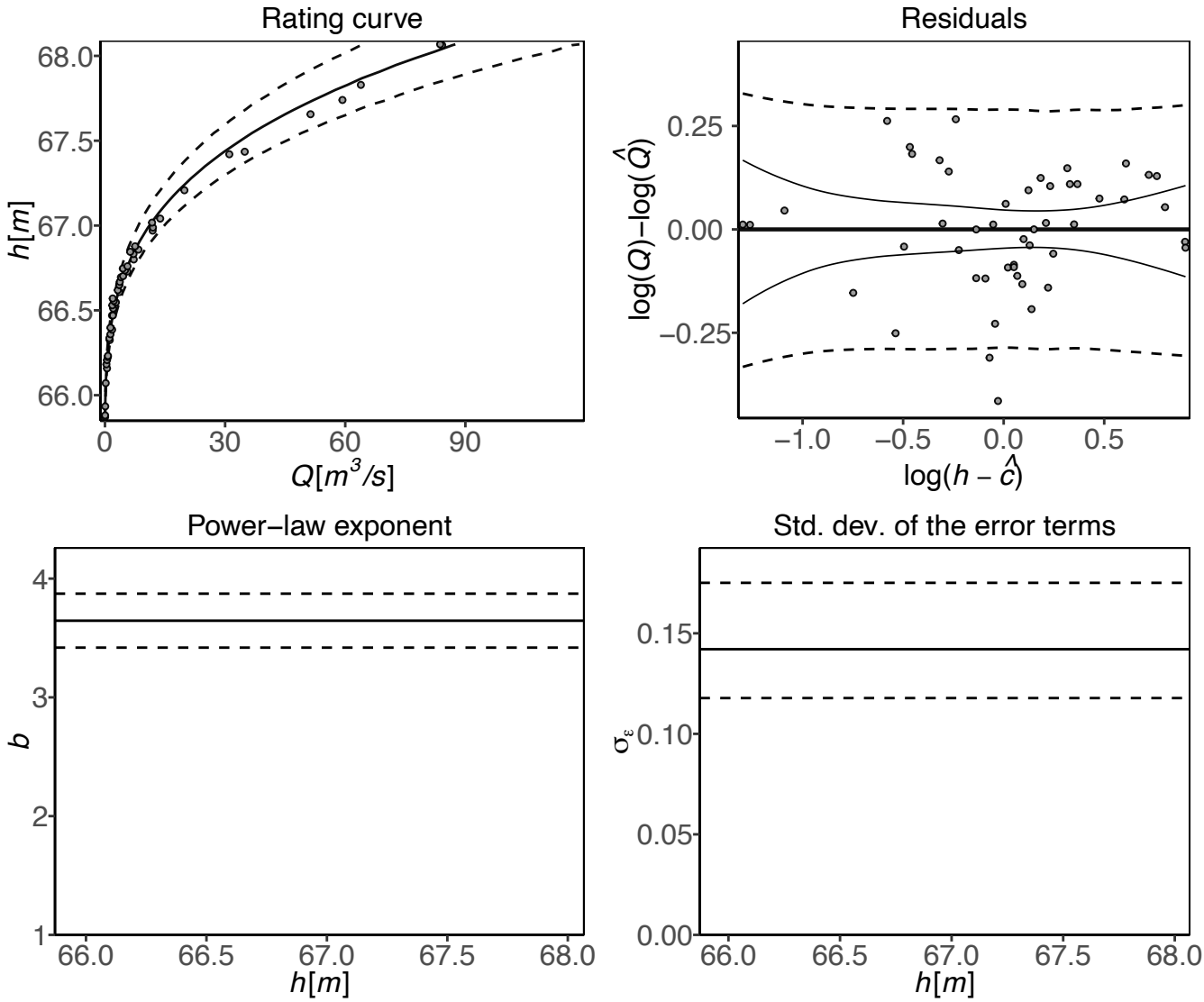
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.40	[2.43; 5.22]	1604	1.01
b	1.84	[1.83; 1.84]	10153	1.00
c	65.61	[65.53; 65.75]	1530	1.01
σ_ε	0.14	[0.11; 0.17]	3995	1.00
σ_β	0.92	[0.73; 1.22]	4044	1.00
ϕ_β	7.64	[1.12; 36688.62]	758	1.06

Sundstorp, Sweden – PLM



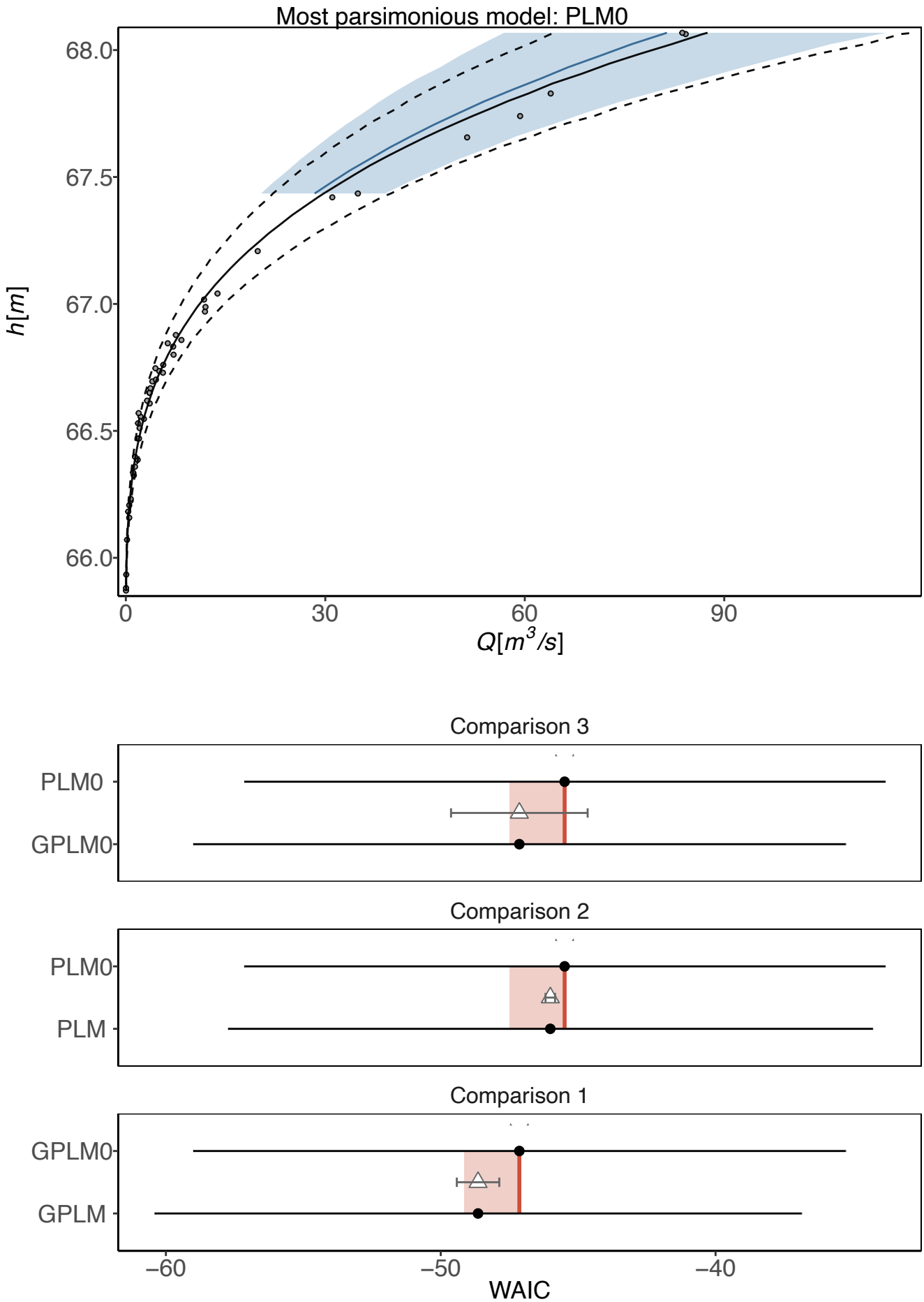
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.23	[2.63; 3.85]	2647	1.00
b	3.65	[3.43; 3.88]	2811	1.00
c	65.60	[65.55; 65.64]	2560	1.00
σ_η	0.09	[0.00; 0.60]	1504	1.01
η_1	–3.93	[–4.69; –3.41]	1198	1.01
η_2	–3.64	[–5.56; –1.85]	2029	1.00
η_3	–3.76	[–6.36; –1.24]	2531	1.00
η_4	–4.00	[–7.17; –0.83]	2595	1.00
η_5	–4.21	[–7.86; –0.34]	2583	1.00
η_6	–4.33	[–8.35; 0.06]	2750	1.00

Sundstorp, Sweden – PLM0



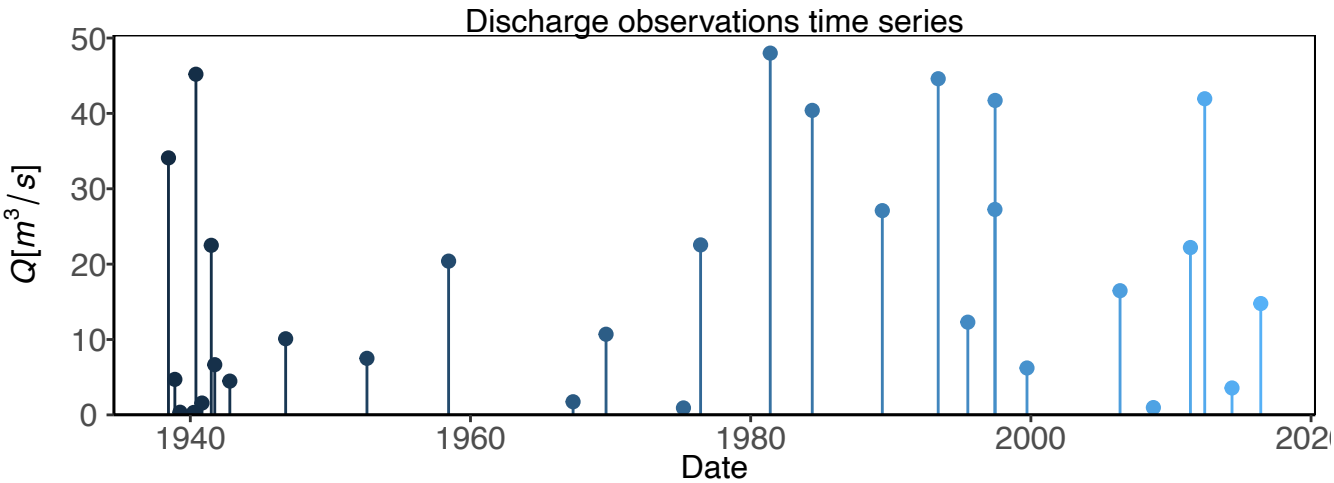
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.24	[2.65; 3.88]	9639	1.00
b	3.65	[3.42; 3.87]	10014	1.00
c	65.60	[65.55; 65.64]	9474	1.00
σ_ε	0.14	[0.12; 0.18]	9388	1.00

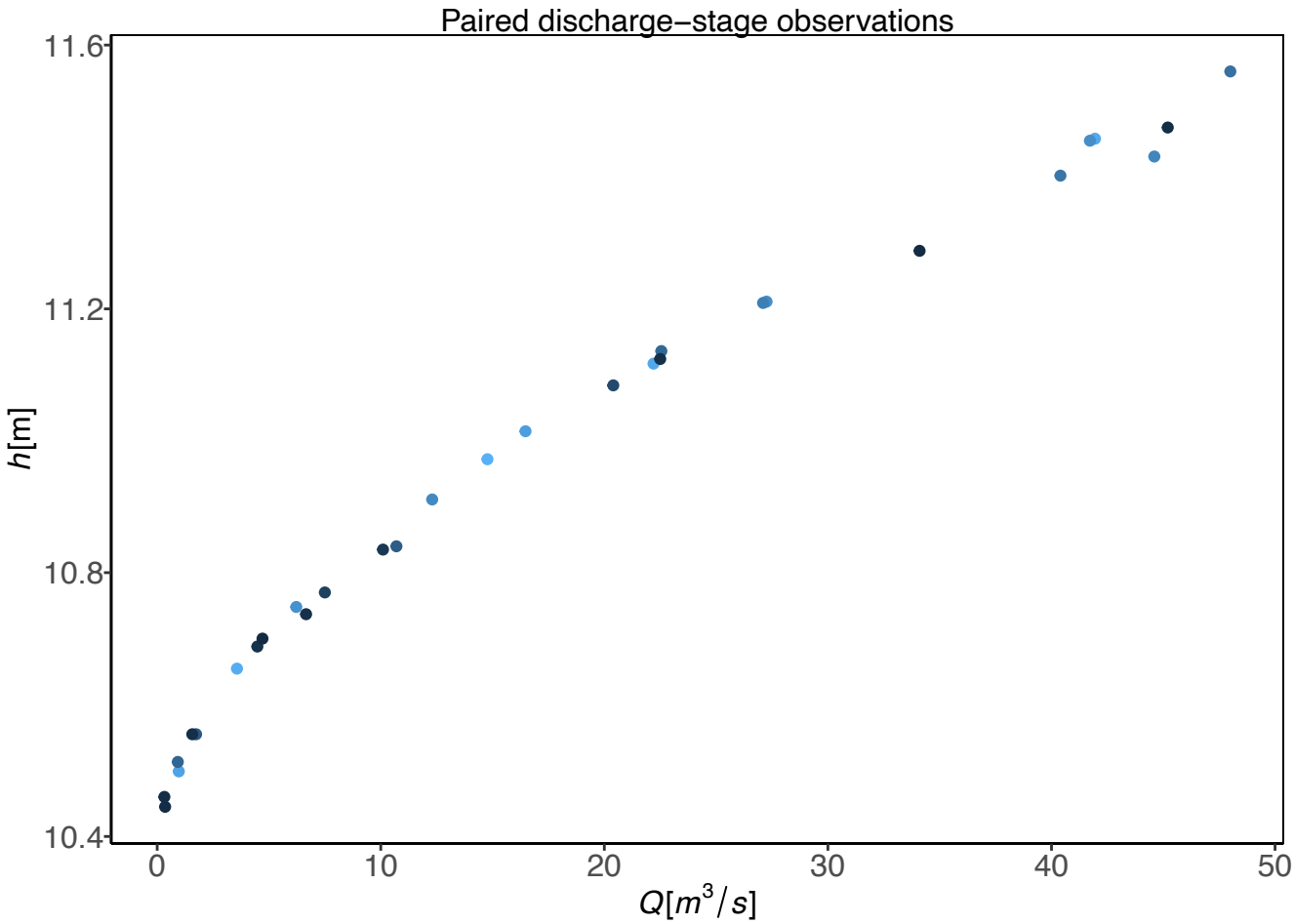
Power–law tournament results for Sundstorp, Sweden



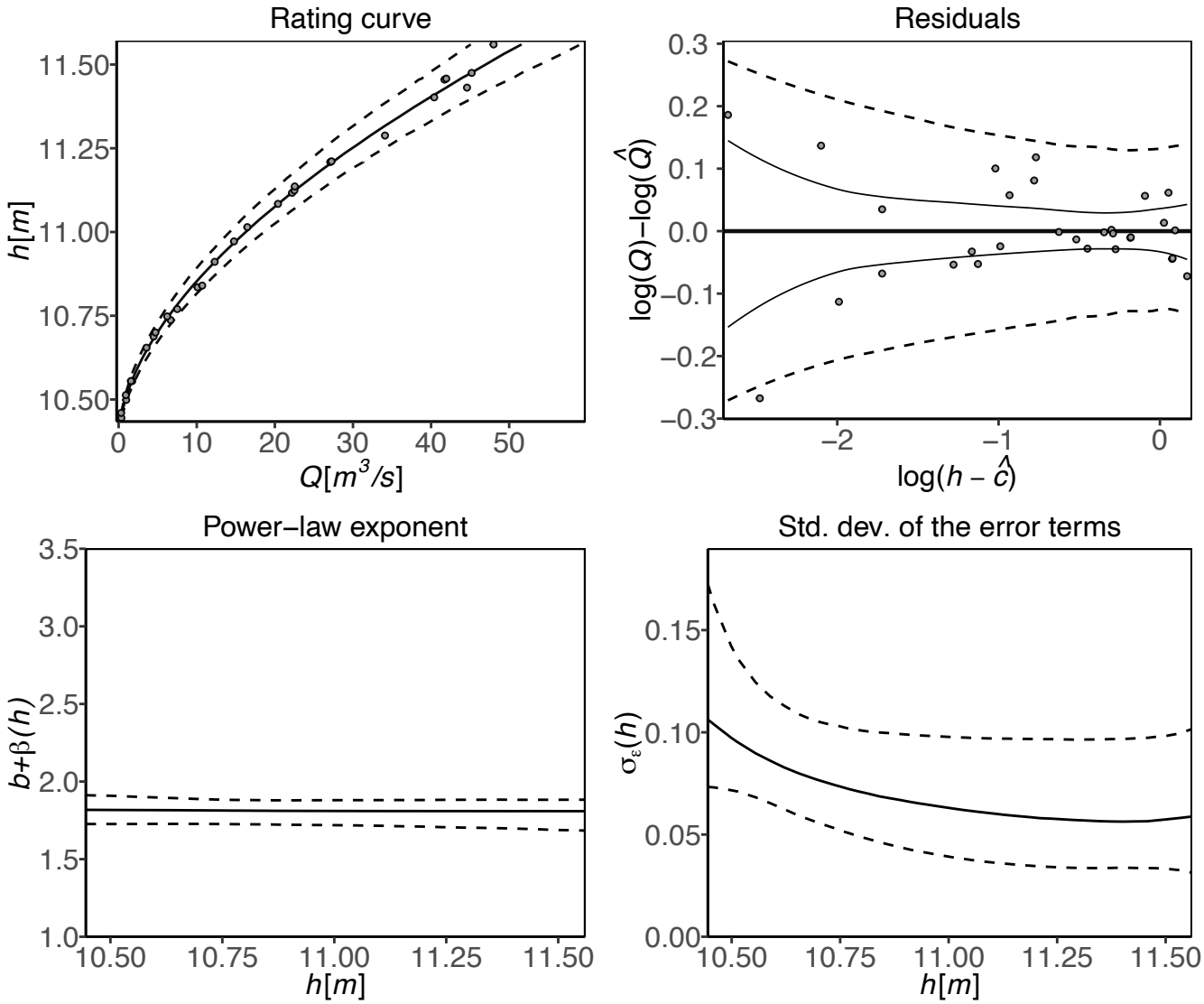
Station name:	Äcklingen
Location:	Sweden
Station number:	1309
Number of observations:	30
Start date:	1938–06–10
End date:	2016–05–30
Max. discharge (m^3/s):	48
Tournament winner:	PLM

	dWAIC	Akaike weights
GPLM	0.00	0.51
GPLM0	12.32	0.00
PLM	0.06	0.49
PLM0	13.77	0.00



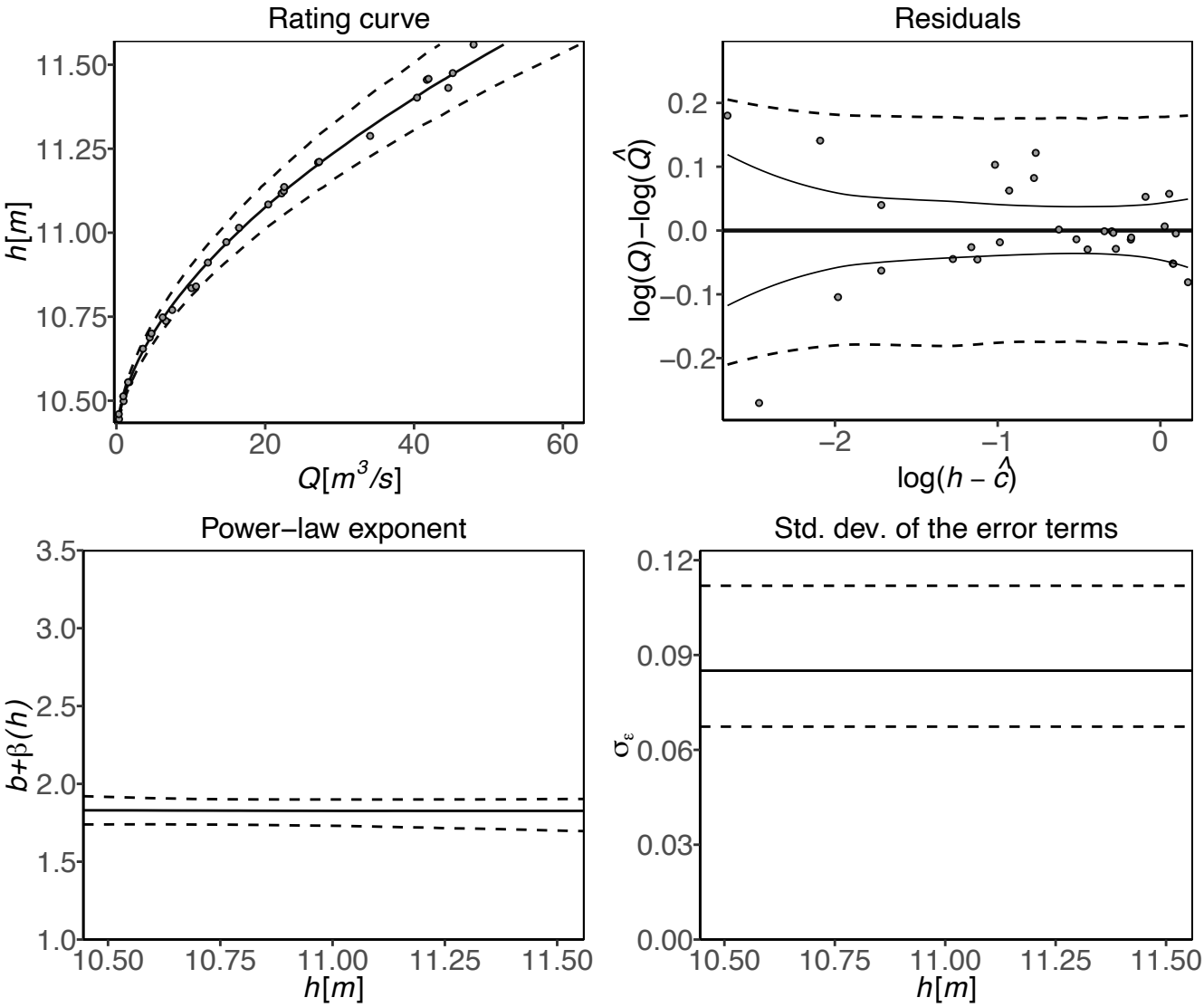


Äcklingen, Sweden – GPLM



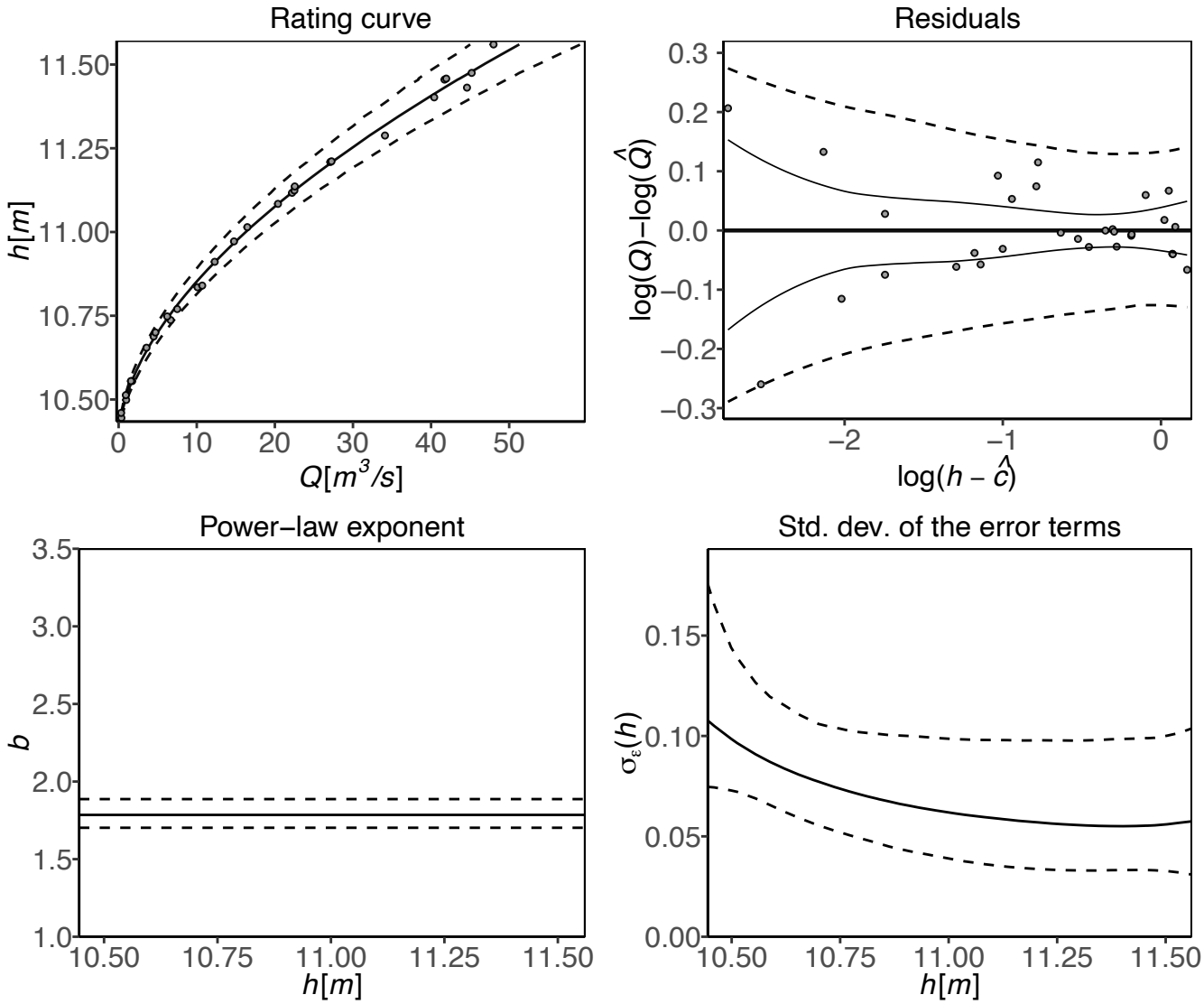
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	38.13	[36.56; 39.57]	3397	1.00
b	1.83	[1.83; 1.84]	8525	1.00
c	10.38	[10.36; 10.39]	1696	1.00
σ_β	0.07	[0.00; 0.42]	1434	1.00
ϕ_β	14.56	[0.57; 8913.04]	1404	1.01
σ_η	0.39	[0.03; 0.90]	839	1.04
η_1	–4.48	[–5.23; –3.51]	1558	1.01
η_2	–5.51	[–7.16; –3.88]	1618	1.01
η_3	–6.61	[–8.76; –4.23]	1689	1.01
η_4	–7.47	[–9.96; –4.28]	1820	1.01
η_5	–7.58	[–10.49; –4.15]	2128	1.00
η_6	–7.42	[–10.85; –3.85]	2278	1.00

Äcklingen, Sweden – GPLM0



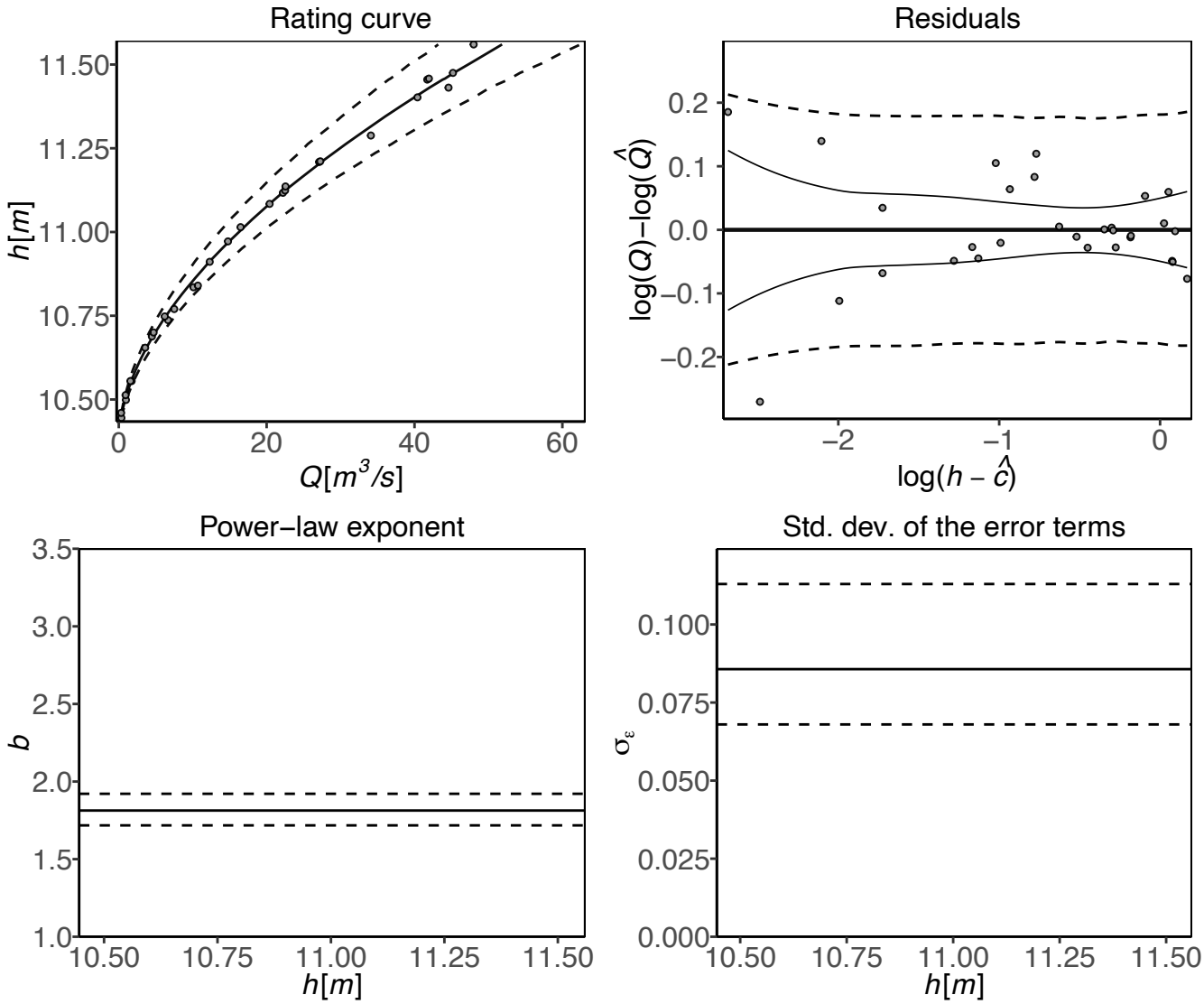
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	38.22	[36.43; 40.00]	7500	1.00
b	1.83	[1.83; 1.84]	10023	1.00
c	10.38	[10.36; 10.39]	2819	1.00
σ_ε	0.09	[0.07; 0.11]	4701	1.00
σ_β	0.24	[0.04; 0.63]	3640	1.00
ϕ_β	15.28	[0.63; 10270.40]	2805	1.00

Äcklingen, Sweden – PLM



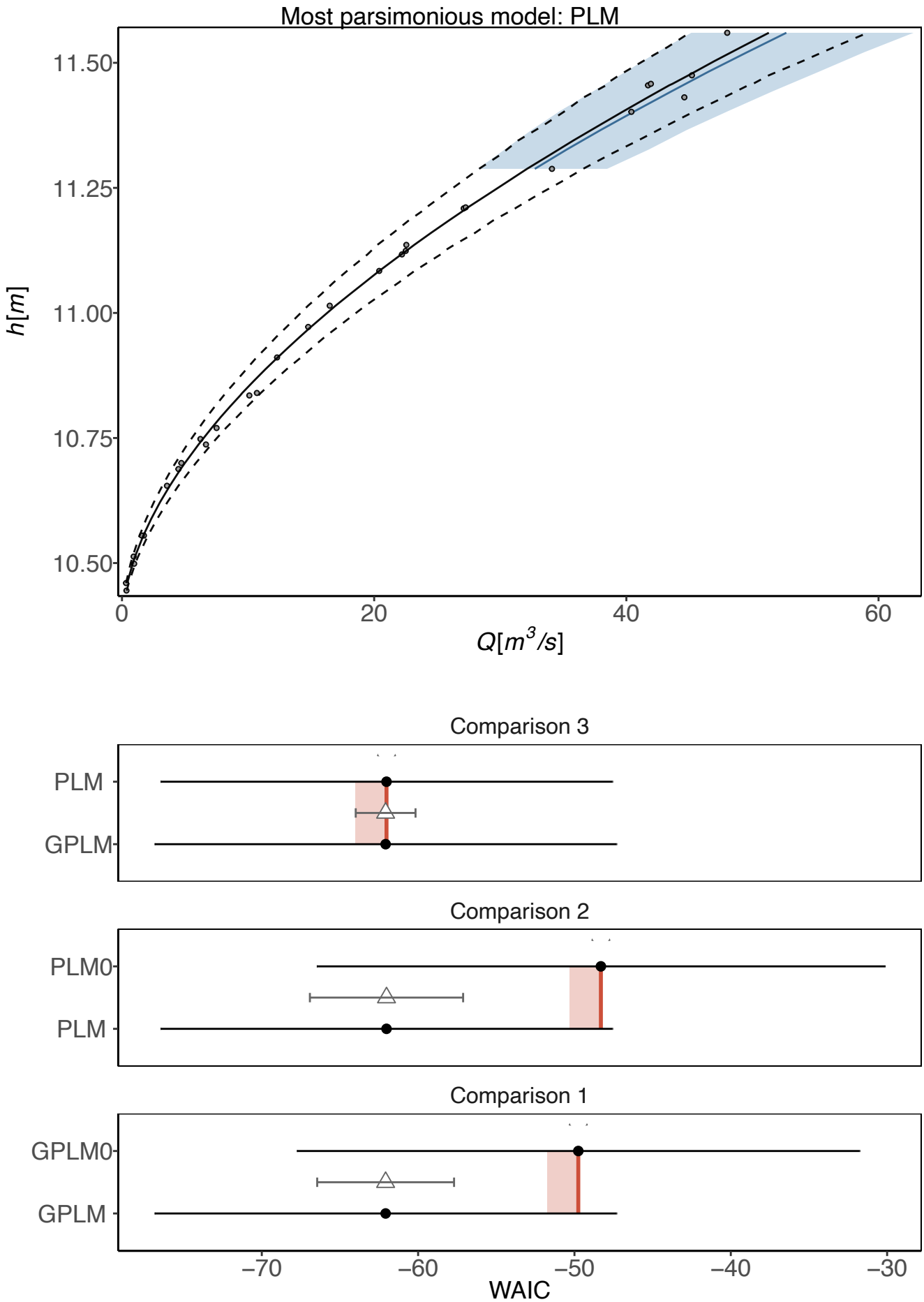
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	38.22	[36.89; 39.59]	7749	1.00
b	1.78	[1.70; 1.89]	2637	1.00
c	10.38	[10.37; 10.39]	2357	1.00
σ_η	0.40	[0.01; 0.92]	811	1.06
η_1	–4.46	[–5.19; –3.48]	1768	1.01
η_2	–5.44	[–7.18; –3.86]	1870	1.01
η_3	–6.63	[–8.71; –4.16]	1950	1.01
η_4	–7.48	[–9.98; –4.13]	2105	1.01
η_5	–7.58	[–10.47; –3.84]	2804	1.00
η_6	–7.46	[–10.77; –3.49]	2821	1.00

Äcklingen, Sweden – PLM0



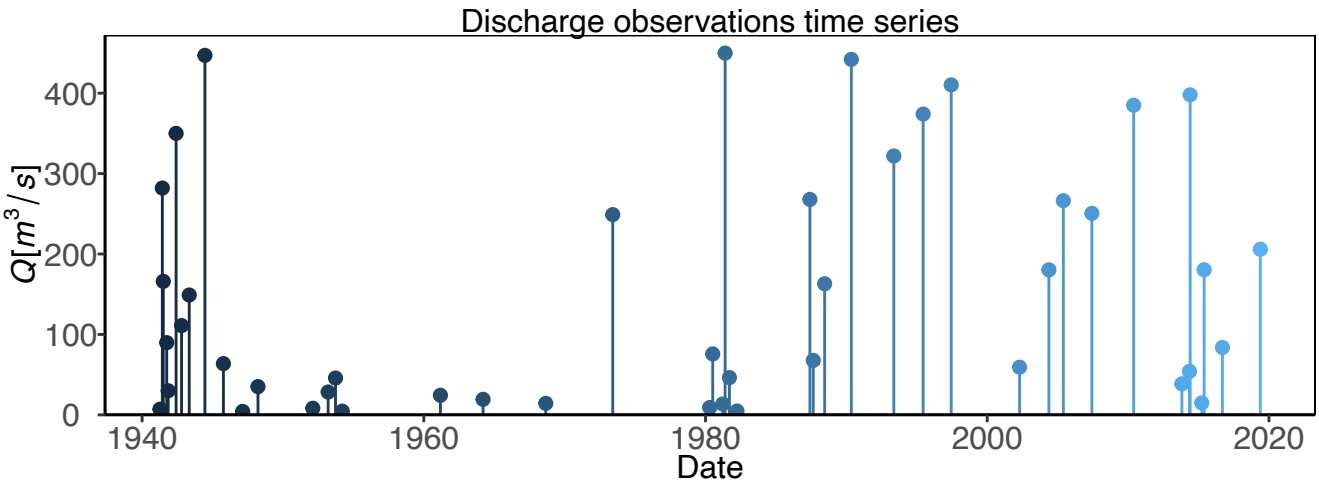
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	38.22	[36.51; 39.94]	15672	1.00
b	1.81	[1.72; 1.92]	10458	1.00
c	10.38	[10.36; 10.39]	9909	1.00
σ_ε	0.09	[0.07; 0.11]	9055	1.00

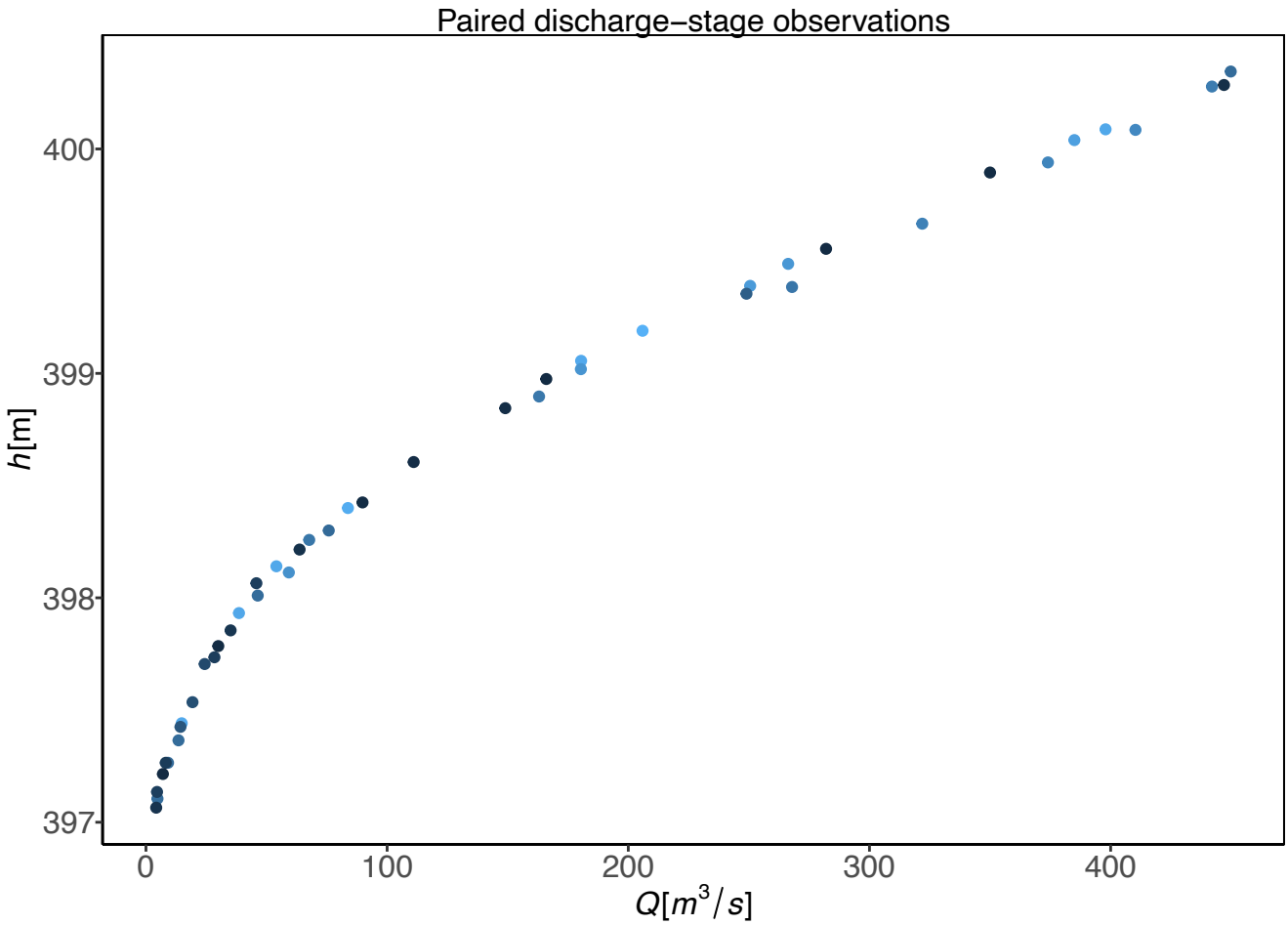
Power–law tournament results for Äcklingen, Sweden



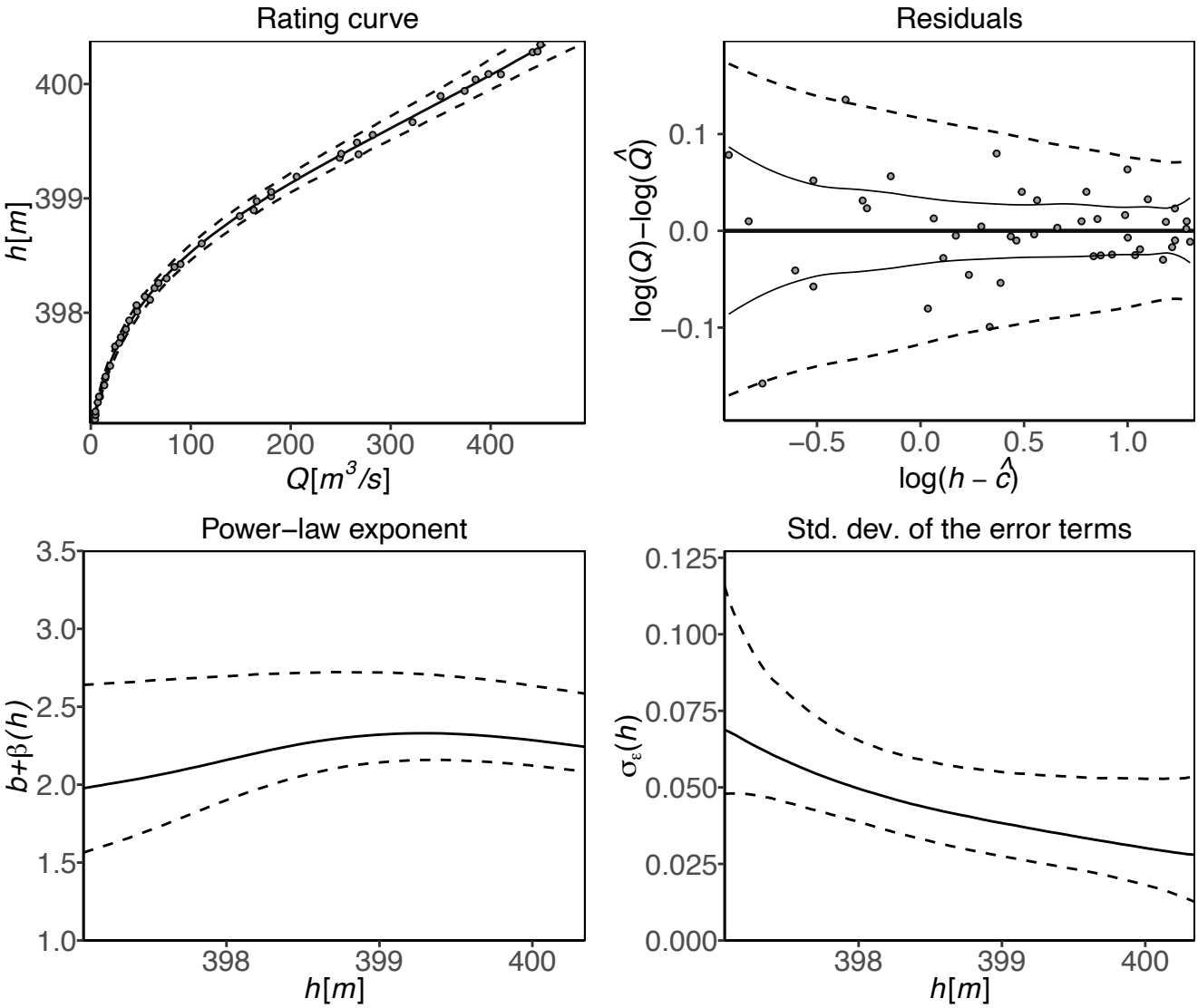
Station name:	Östra Norn
Location:	Sweden
Station number:	1328
Number of observations:	45
Start date:	1941–04–09
End date:	2019–05–23
Max. discharge (m^3/s):	449.8
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	1
GPLM0	15.68	0
PLM	25.77	0
PLM0	25.91	0



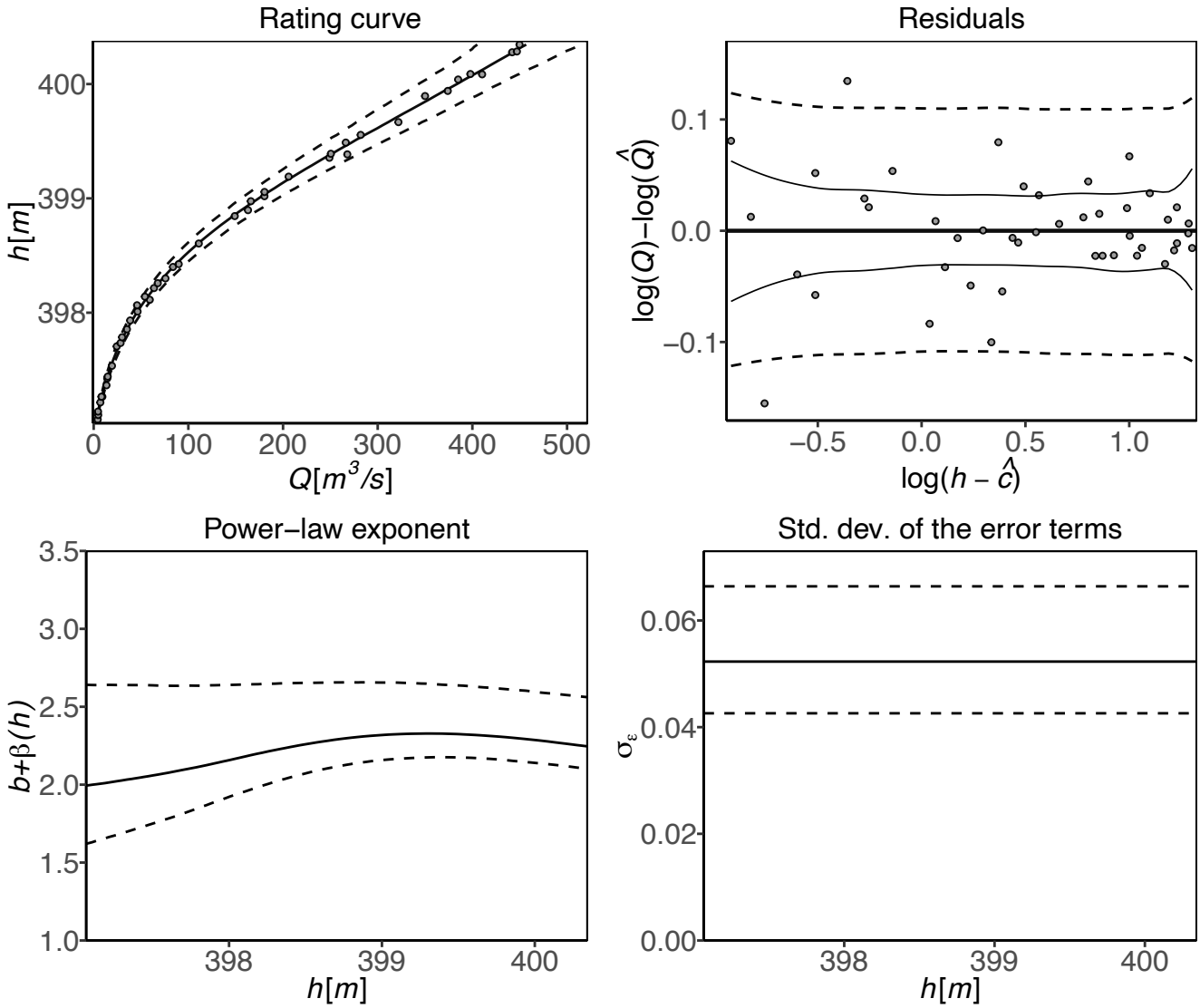


Östra Norn, Sweden – GPLM



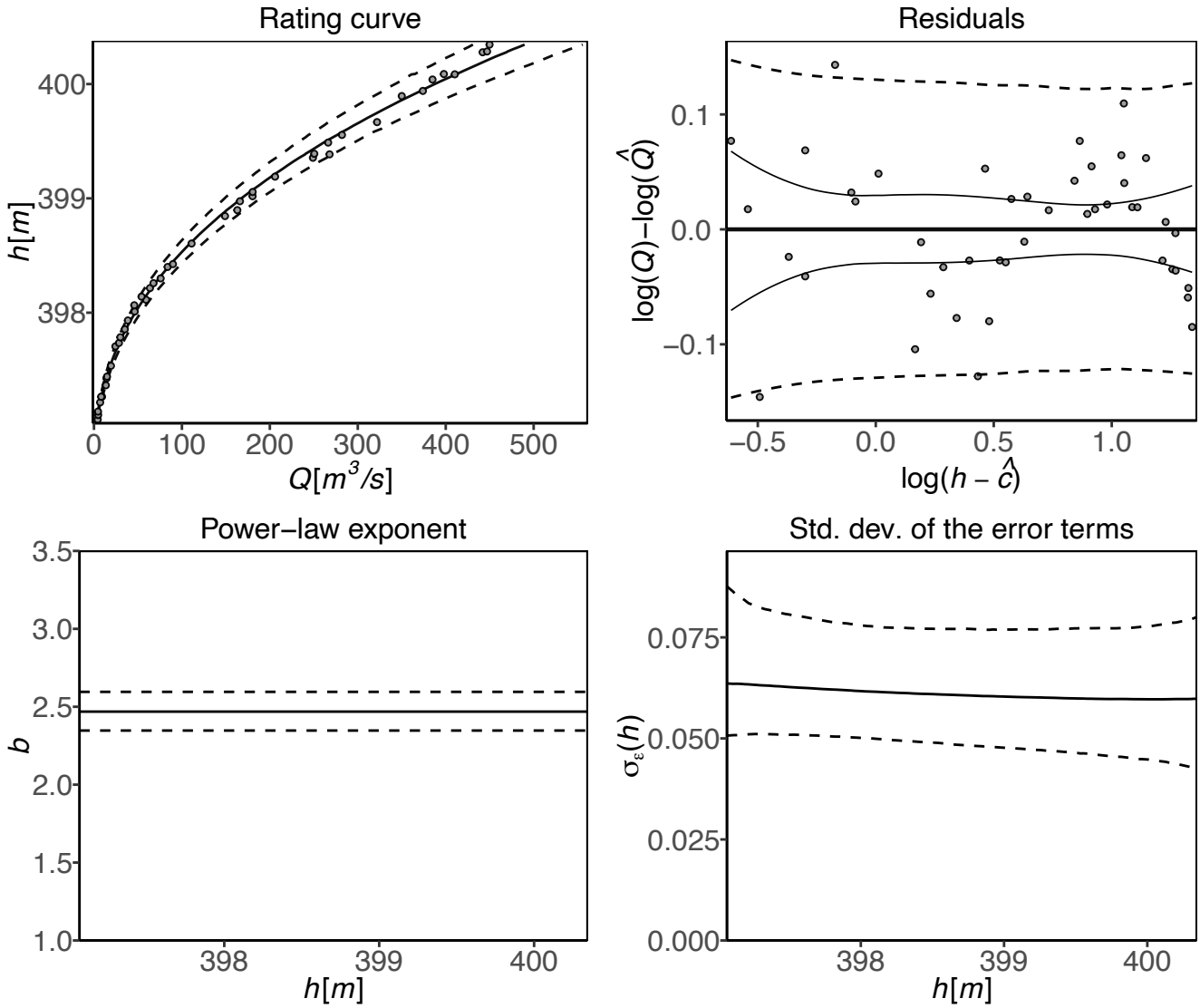
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	24.52	[13.34; 32.64]	2008	1.00
b	1.84	[1.83; 1.84]	10319	1.00
c	396.67	[396.42; 396.81]	2057	1.00
σ_β	0.33	[0.16; 0.81]	2242	1.00
ϕ_β	2.92	[1.35; 6.60]	2094	1.00
σ_η	0.43	[0.10; 0.88]	1091	1.01
η_1	−5.35	[−6.08; −4.31]	1726	1.00
η_2	−6.00	[−7.70; −4.57]	1964	1.00
η_3	−7.18	[−9.25; −5.46]	2127	1.00
η_4	−8.24	[−10.62; −6.25]	2059	1.00
η_5	−8.95	[−11.88; −6.52]	2106	1.00
η_6	−9.46	[−12.70; −6.50]	2289	1.00

Östra Norn, Sweden – GPLM0



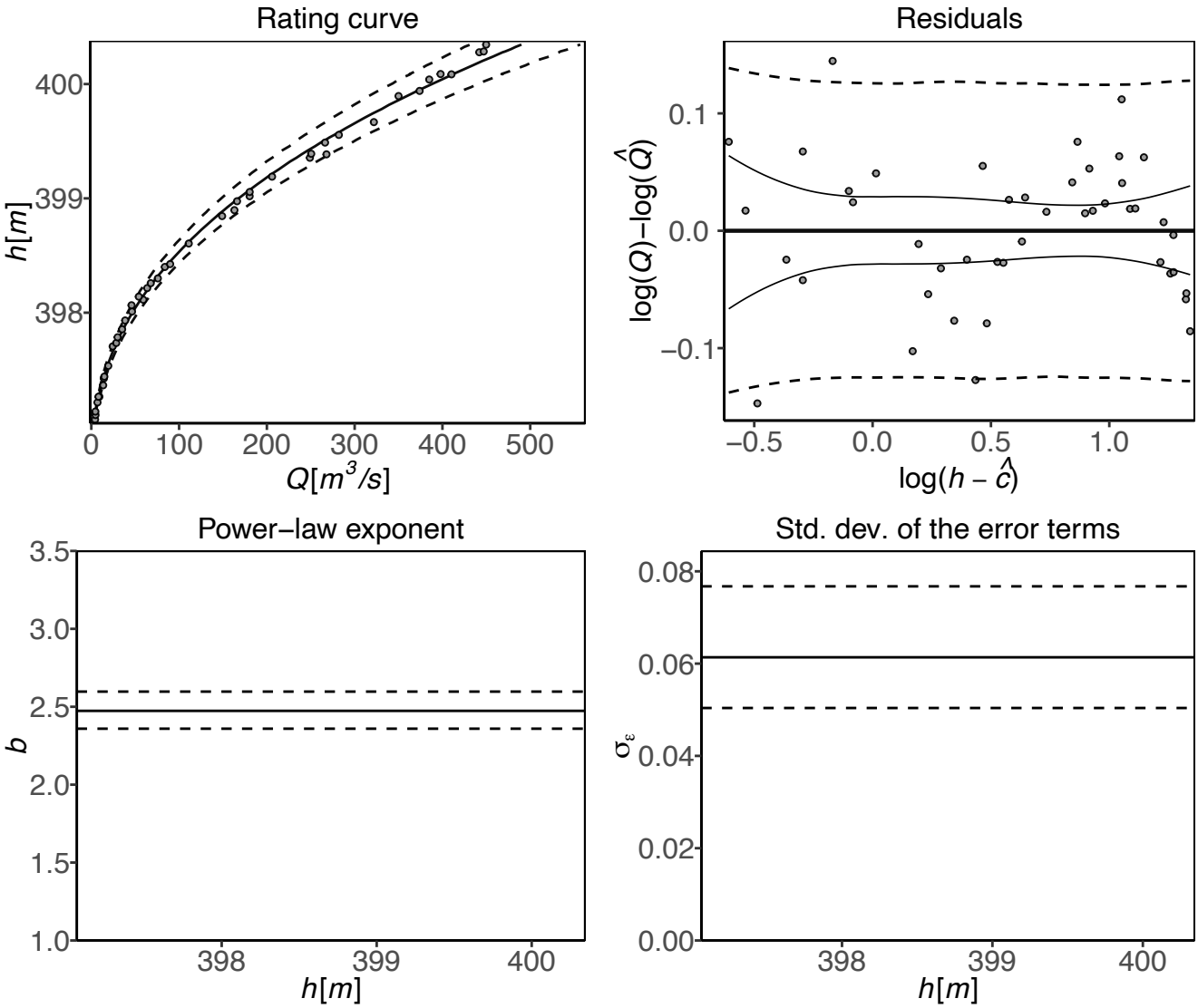
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	24.44	[14.27; 31.53]	3806	1.00
b	1.84	[1.83; 1.84]	11700	1.00
c	396.67	[396.44; 396.79]	4010	1.00
σ_ε	0.05	[0.04; 0.07]	4884	1.00
σ_β	0.57	[0.40; 0.88]	4961	1.00
ϕ_β	2.87	[1.28; 8.11]	2935	1.00

Östra Norn, Sweden – PLM



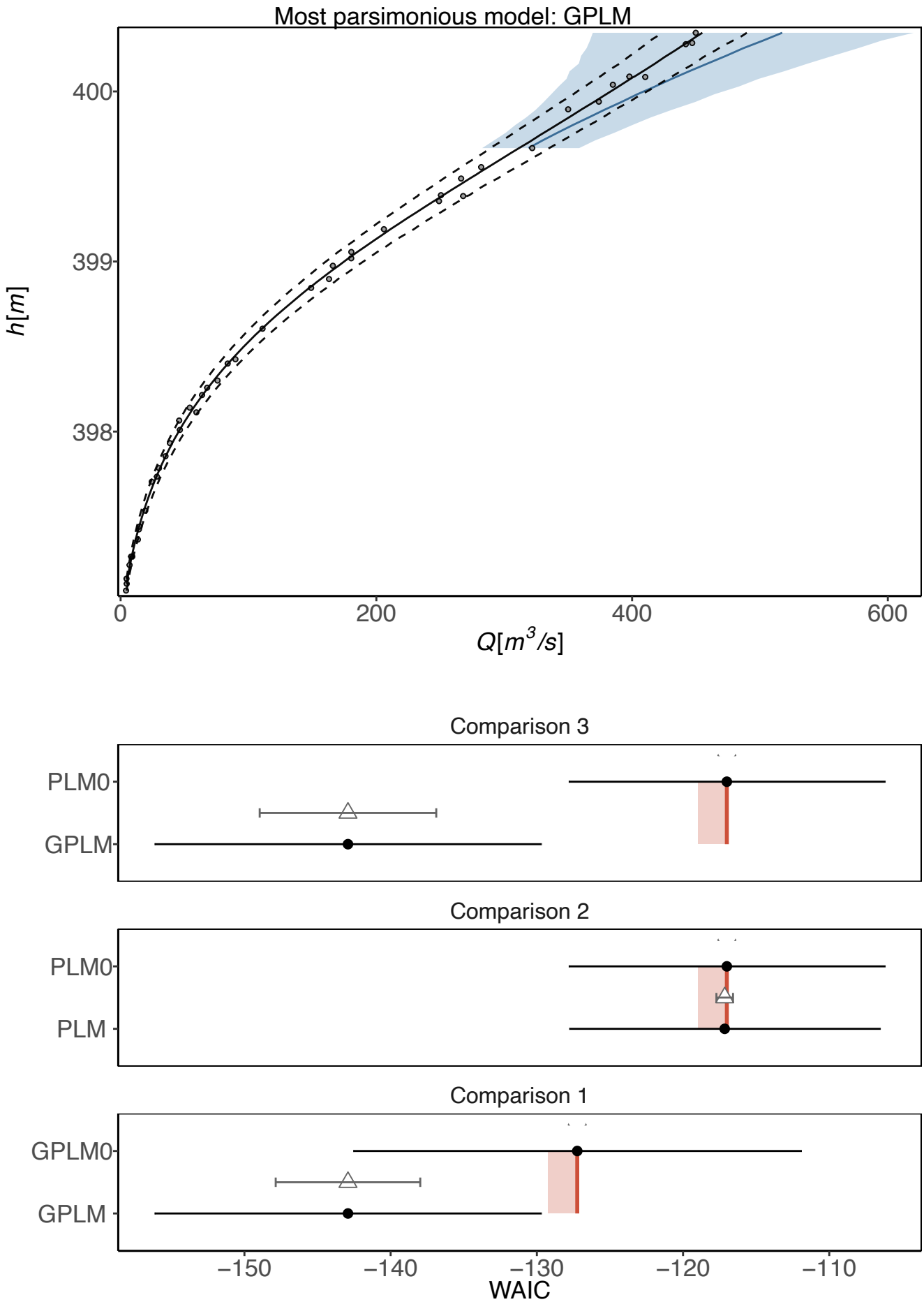
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	17.89	[14.75; 21.33]	2498	1.00
b	2.47	[2.35; 2.60]	2596	1.00
c	396.52	[396.45; 396.59]	2428	1.00
σ_η	0.09	[0.00; 0.45]	1666	1.01
η_1	–5.51	[–5.96; –4.87]	2512	1.00
η_2	–5.70	[–7.46; –3.86]	2581	1.00
η_3	–5.99	[–8.45; –3.42]	2529	1.00
η_4	–6.25	[–9.14; –3.03]	2665	1.00
η_5	–6.37	[–9.79; –2.57]	2735	1.00
η_6	–6.33	[–10.17; –2.11]	2655	1.00

Östra Norn, Sweden – PLM0



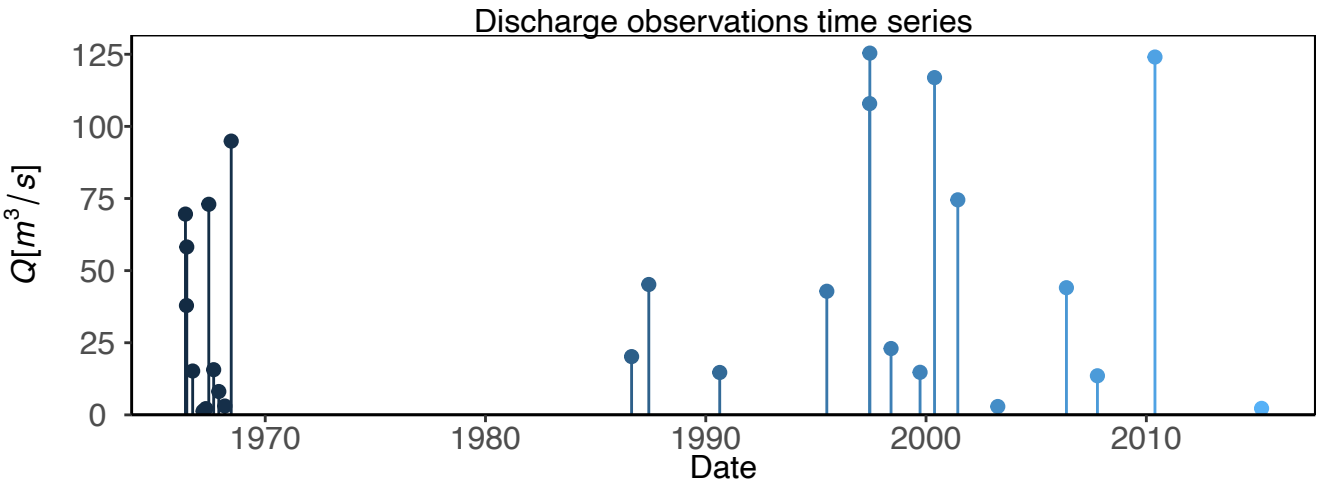
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	17.73	[14.76; 20.98]	8529	1.00
b	2.47	[2.36; 2.60]	8740	1.00
c	396.52	[396.45; 396.58]	8481	1.00
σ_ε	0.06	[0.05; 0.08]	9179	1.00

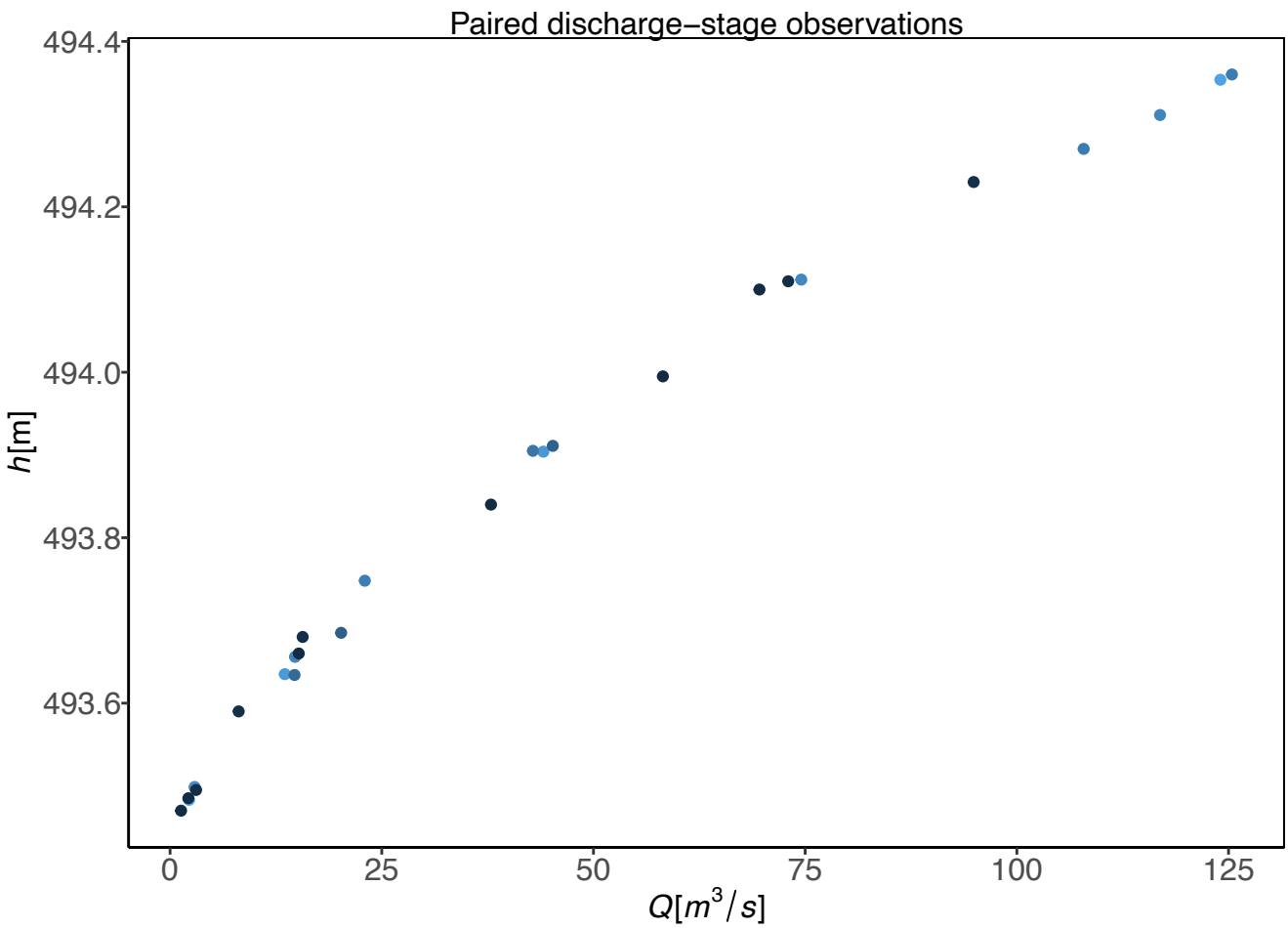
Power−law tournament results for Östra Norn, Sweden



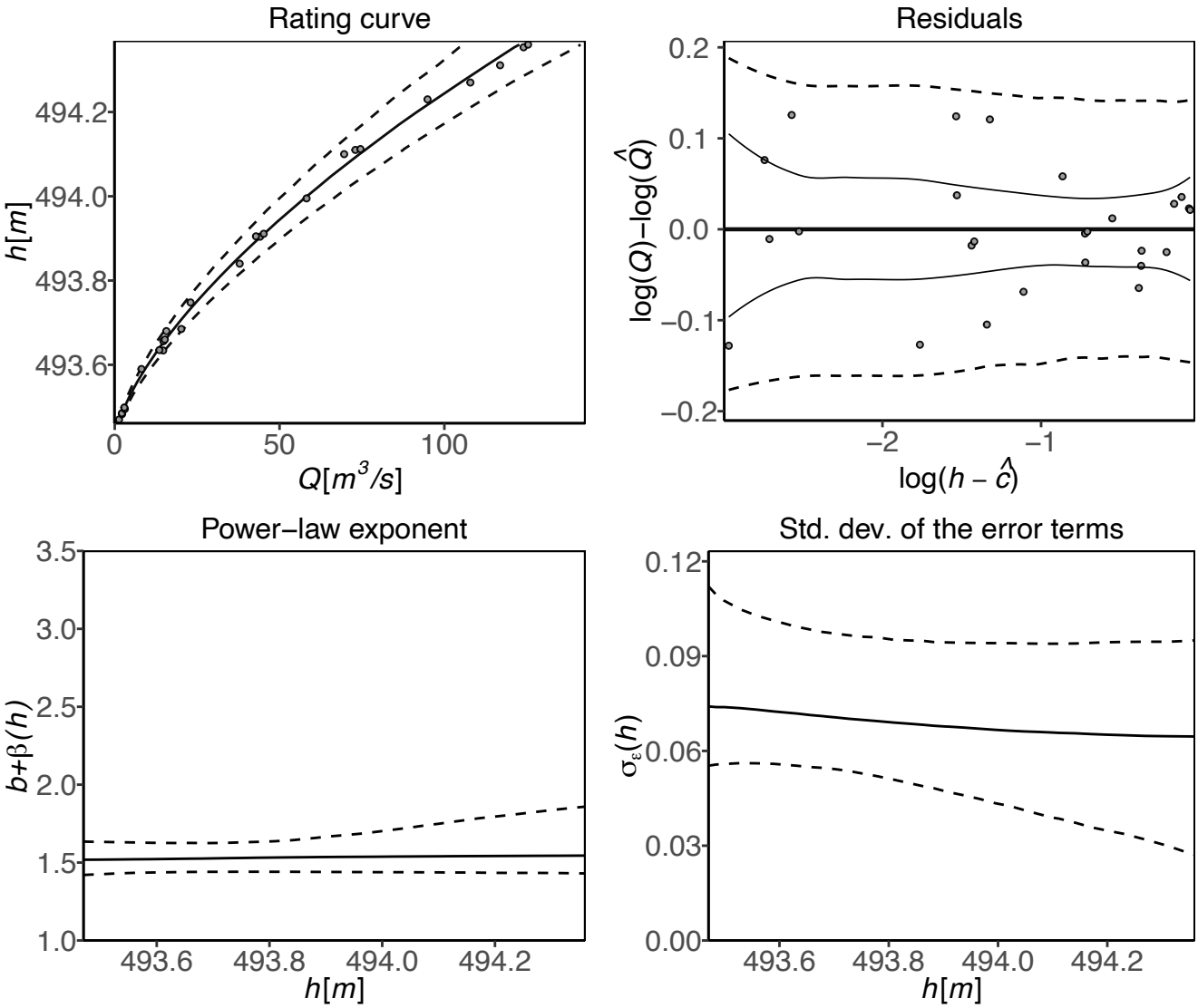
Station name:	Ottsjön Nedre
Location:	Sweden
Station number:	1336
Number of observations:	26
Start date:	1966–05–19
End date:	2015–03–27
Max. discharge (m^3/s):	125.4
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.37
GPLM0	1.94	0.14
PLM	0.18	0.34
PLM0	1.71	0.16



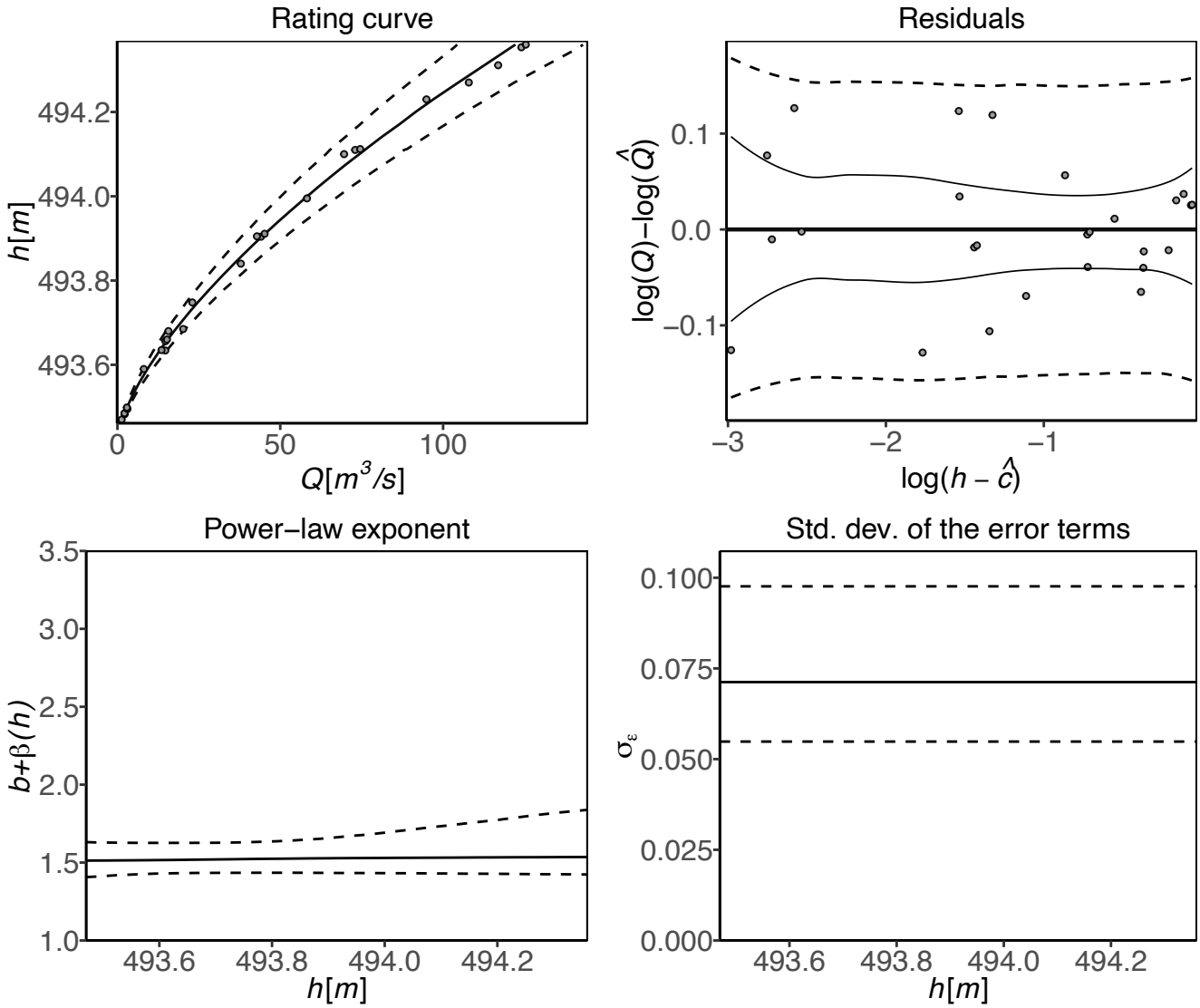


Ottsjön Nedre, Sweden – GPLM



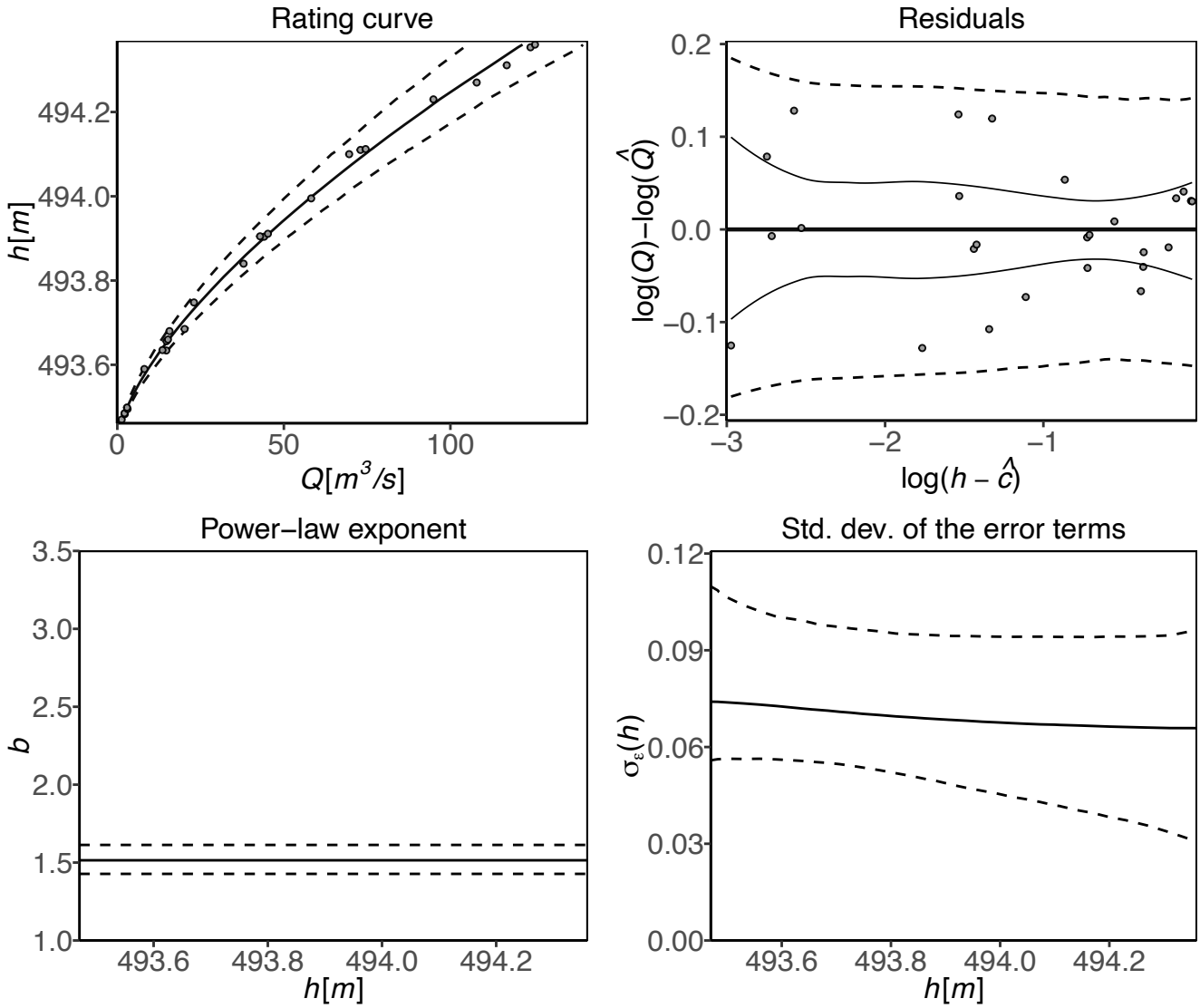
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	134.32	[127.12; 144.67]	4308	1.00
b	1.83	[1.83; 1.84]	8351	1.00
c	493.42	[493.40; 493.43]	1537	1.00
σ_β	0.28	[0.12; 0.76]	2111	1.01
ϕ_β	13.84	[0.72; 12422.67]	1347	1.01
σ_η	0.13	[0.00; 0.65]	1192	1.00
η_1	–5.21	[–5.79; –4.38]	2321	1.00
η_2	–5.33	[–7.17; –3.53]	1849	1.00
η_3	–5.77	[–8.25; –3.14]	2144	1.00
η_4	–6.29	[–9.17; –2.78]	2270	1.00
η_5	–6.58	[–10.07; –2.39]	2133	1.00
η_6	–6.73	[–10.75; –2.05]	2305	1.00

Ottsjön Nedre, Sweden – GPLM0



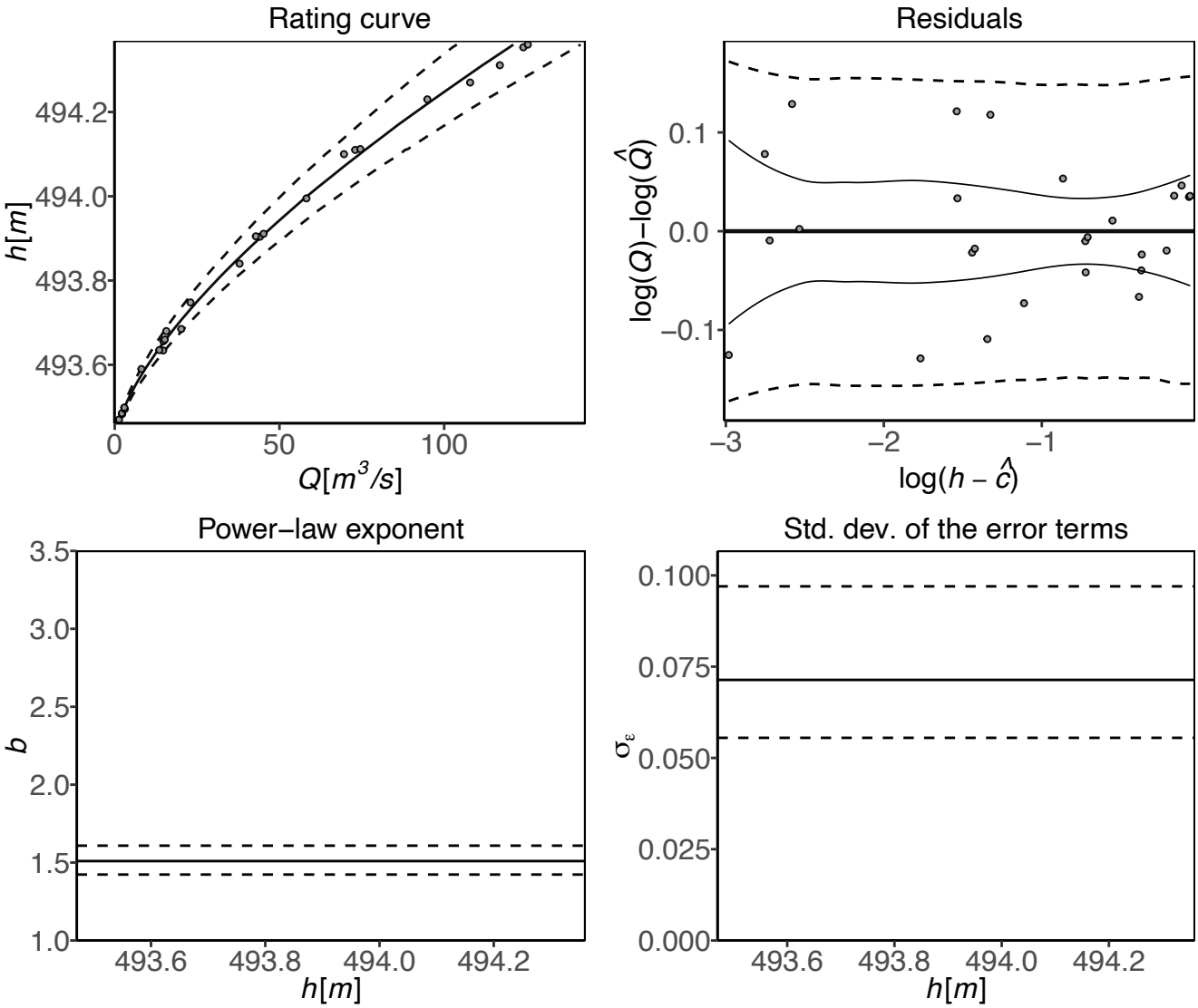
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	134.00	[126.67; 145.43]	8603	1.00
b	1.83	[1.83; 1.84]	11626	1.00
c	493.42	[493.41; 493.43]	3190	1.00
σ_ε	0.07	[0.05; 0.10]	4427	1.00
σ_β	0.53	[0.35; 0.87]	5435	1.00
ϕ_β	15.52	[0.81; 16127.80]	2516	1.00

Ottsjön Nedre, Sweden – PLM



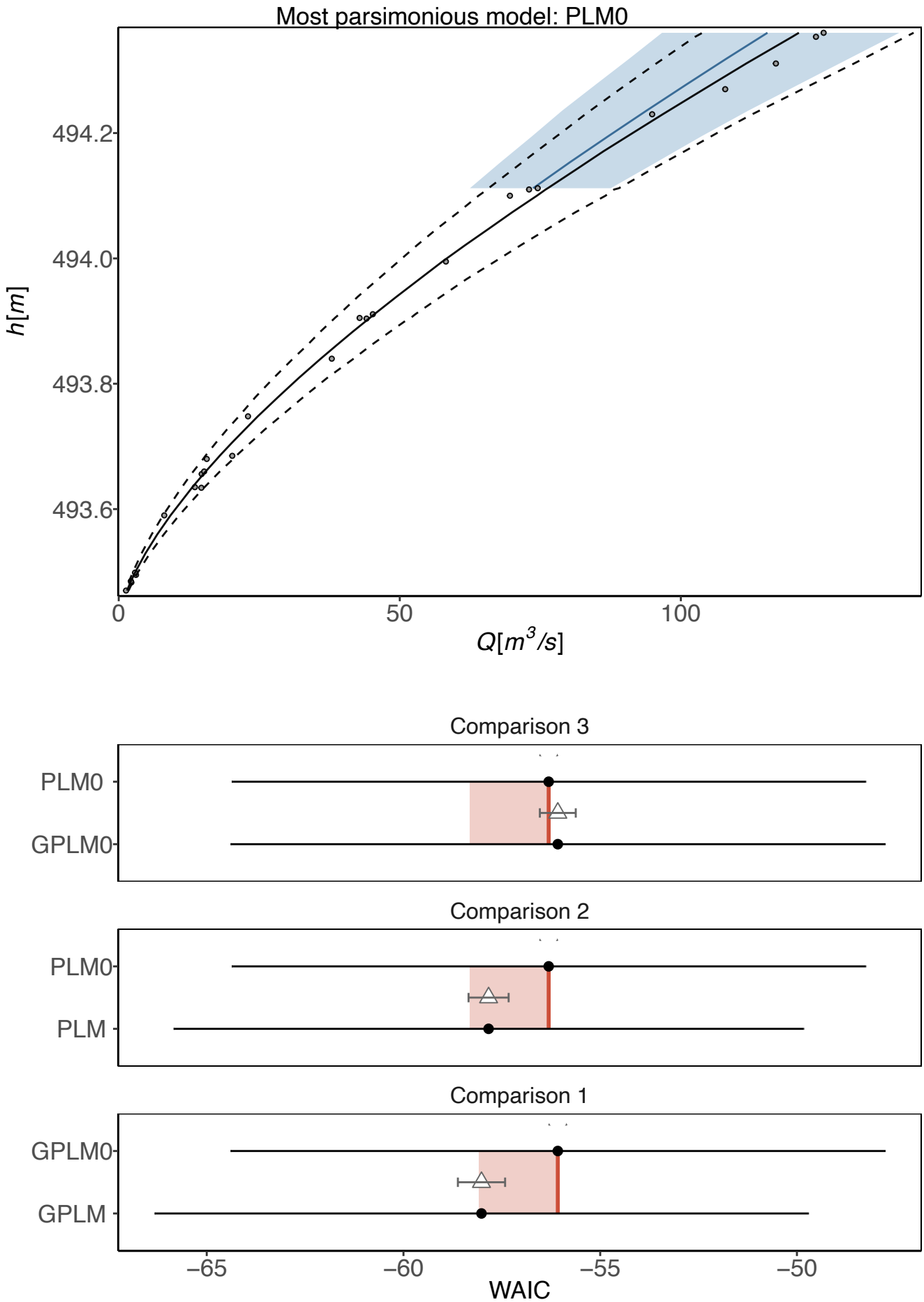
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	133.03	[126.62; 139.18]	6662	1.00
b	1.51	[1.43; 1.61]	2553	1.00
c	493.42	[493.41; 493.43]	2320	1.00
σ_η	0.12	[0.00; 0.58]	1637	1.00
η_1	–5.21	[–5.77; –4.42]	2964	1.00
η_2	–5.32	[–7.15; –3.51]	2429	1.00
η_3	–5.74	[–8.23; –3.03]	2489	1.00
η_4	–6.20	[–9.24; –2.71]	2697	1.00
η_5	–6.43	[–10.00; –2.47]	2623	1.00
η_6	–6.54	[–10.73; –1.95]	2603	1.00

Ottsjön Nedre, Sweden – PLM0



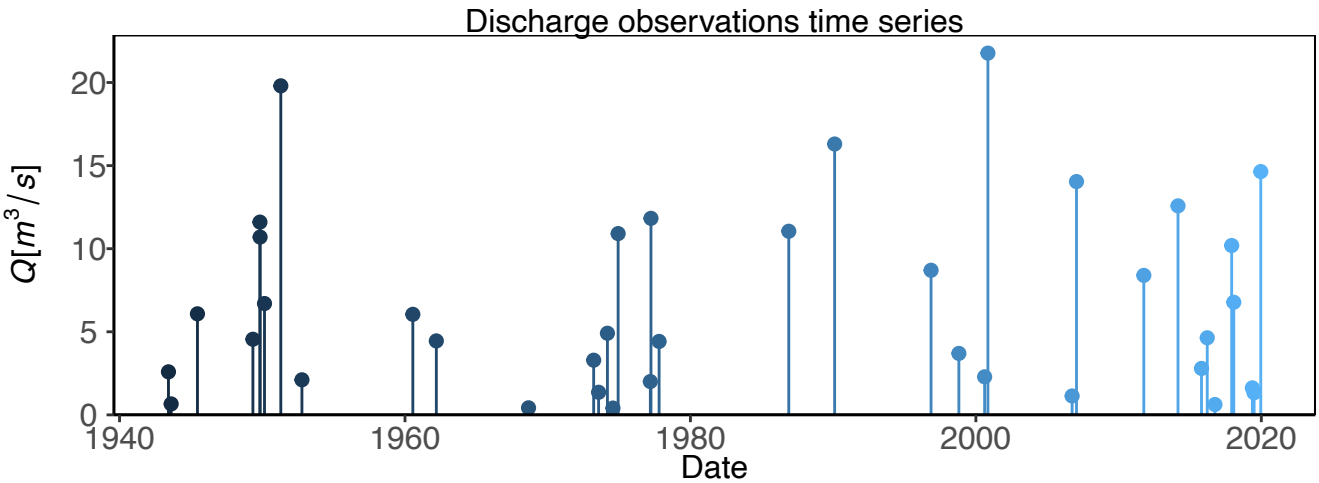
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	132.75	[126.17; 139.78]	14982	1.00
b	1.51	[1.42; 1.61]	9038	1.00
c	493.42	[493.41; 493.43]	8561	1.00
σ_ε	0.07	[0.06; 0.10]	9110	1.00

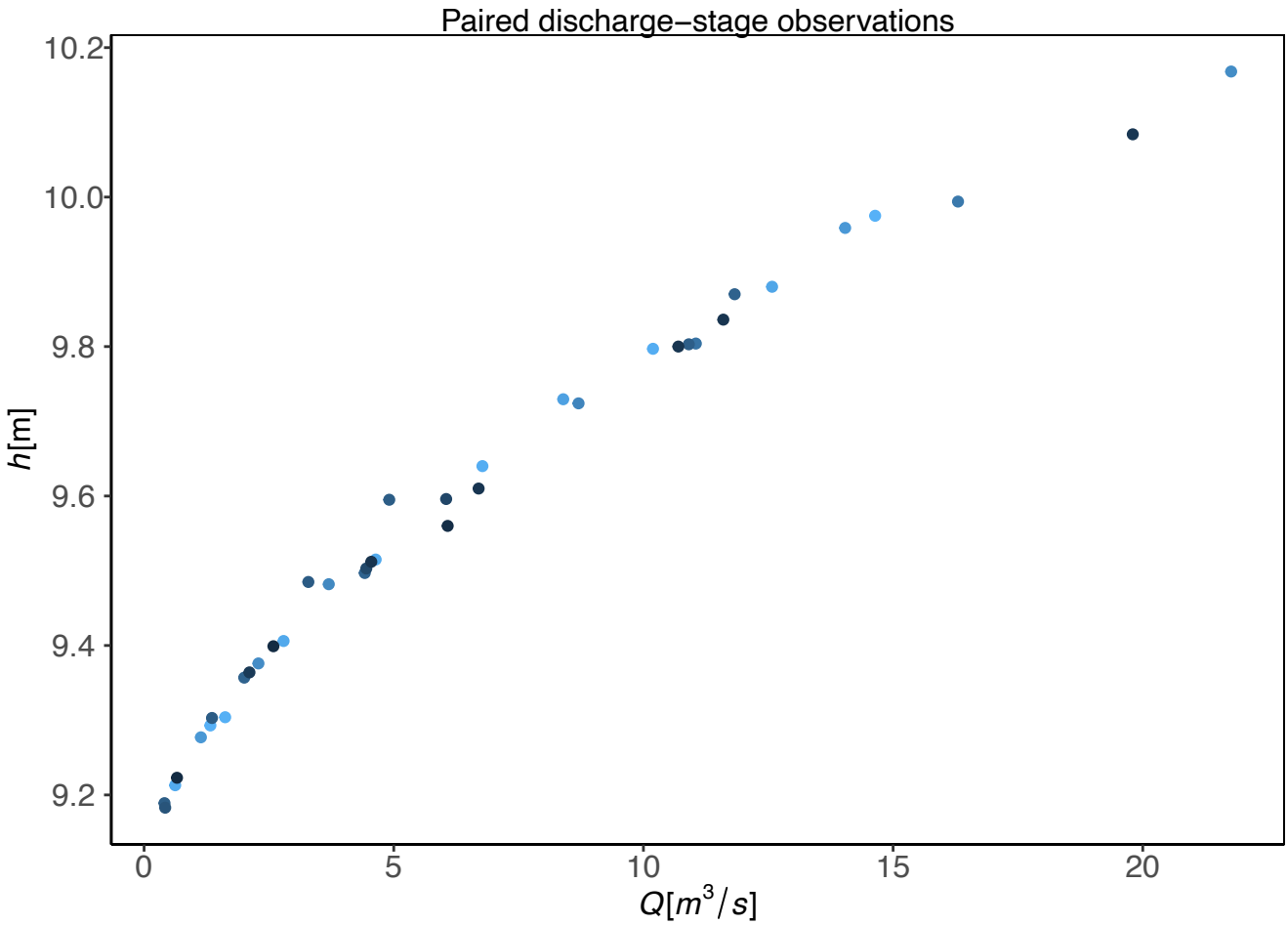
Power–law tournament results for Ottsjön Nedre, Sweden



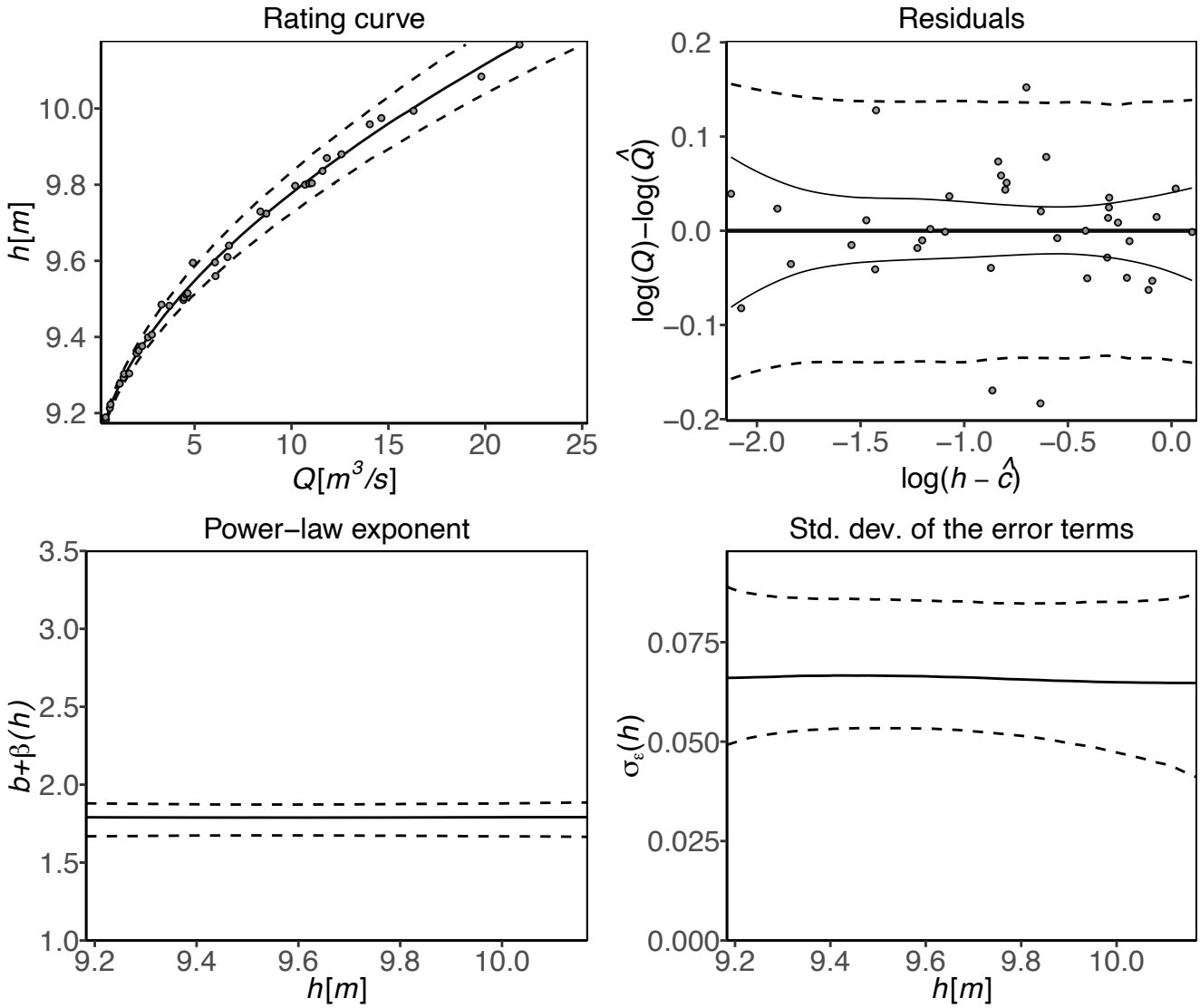
Station name:	Flötemarken
Location:	Sweden
Station number:	1375
Number of observations:	38
Start date:	1943–06–06
End date:	2019–12–18
Max. discharge (m^3/s):	21.8
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.02	0.26
GPLM0	0.14	0.24
PLM	0.00	0.26
PLM0	0.17	0.24



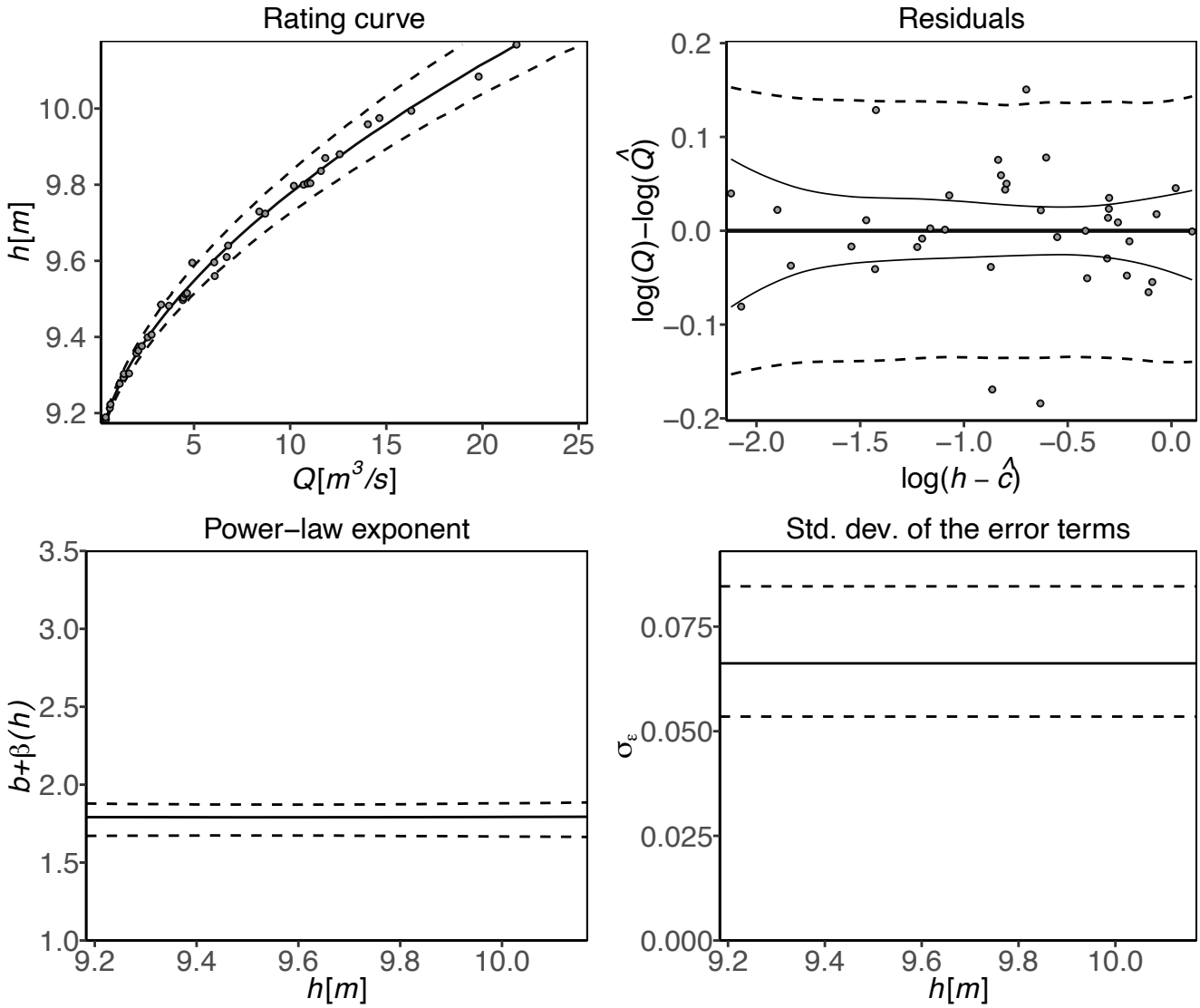


Flötemarken, Sweden – GPLM



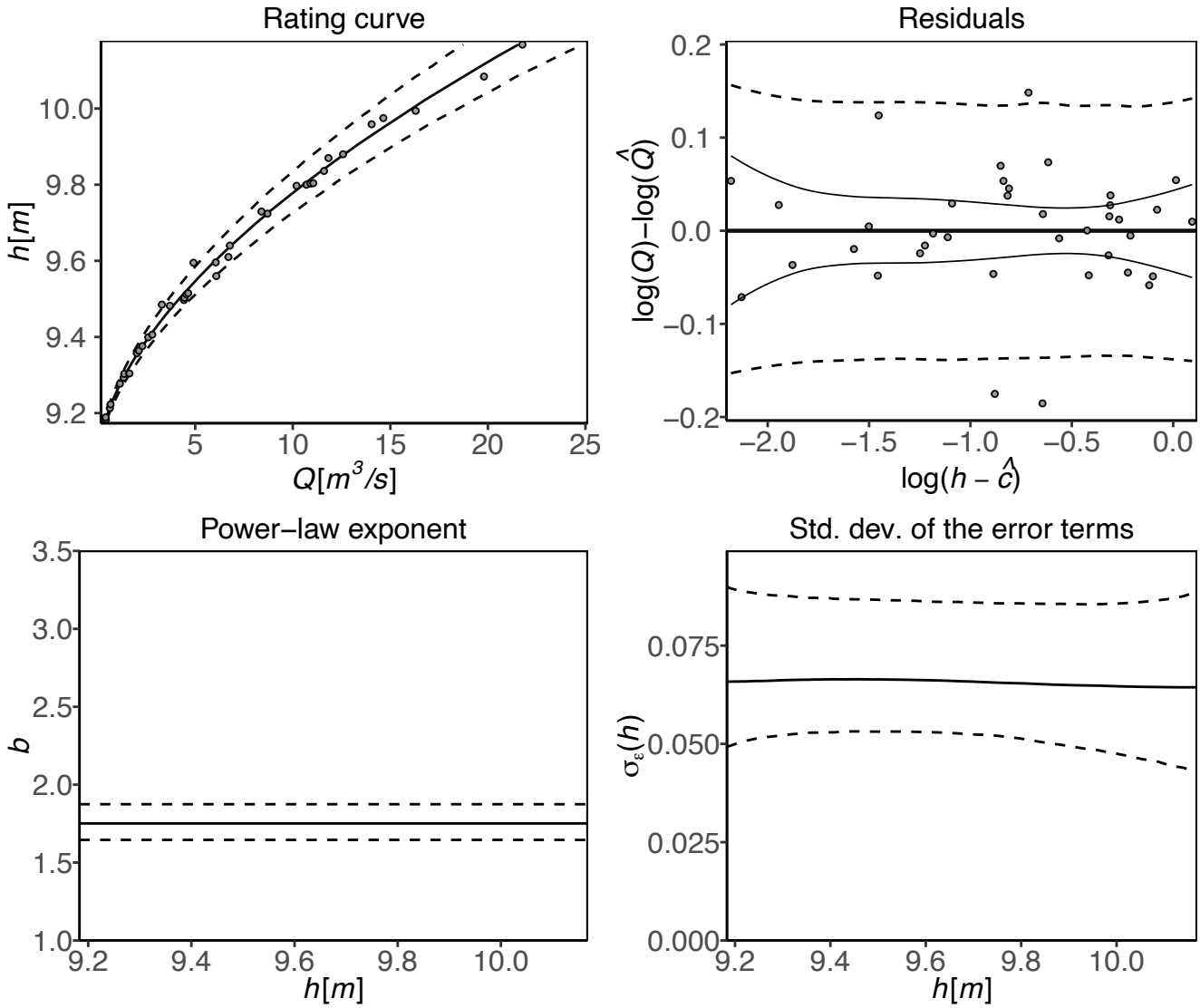
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	18.26	[17.51; 19.01]	5804	1.00
b	1.83	[1.83; 1.84]	8117	1.00
c	9.06	[9.05; 9.08]	2108	1.00
σ_β	0.09	[0.00; 0.45]	1353	1.00
ϕ_β	18.36	[0.78; 8911.27]	1444	1.01
σ_η	0.08	[0.00; 0.47]	1481	1.00
η_1	–5.44	[–6.02; –4.84]	1650	1.00
η_2	–5.34	[–7.23; –3.58]	1964	1.01
η_3	–5.26	[–7.96; –2.82]	1943	1.00
η_4	–5.52	[–8.81; –2.36]	2186	1.00
η_5	–5.70	[–9.40; –1.98]	2187	1.00
η_6	–5.78	[–9.87; –1.58]	2222	1.00

Flötemarken, Sweden – GPLM0



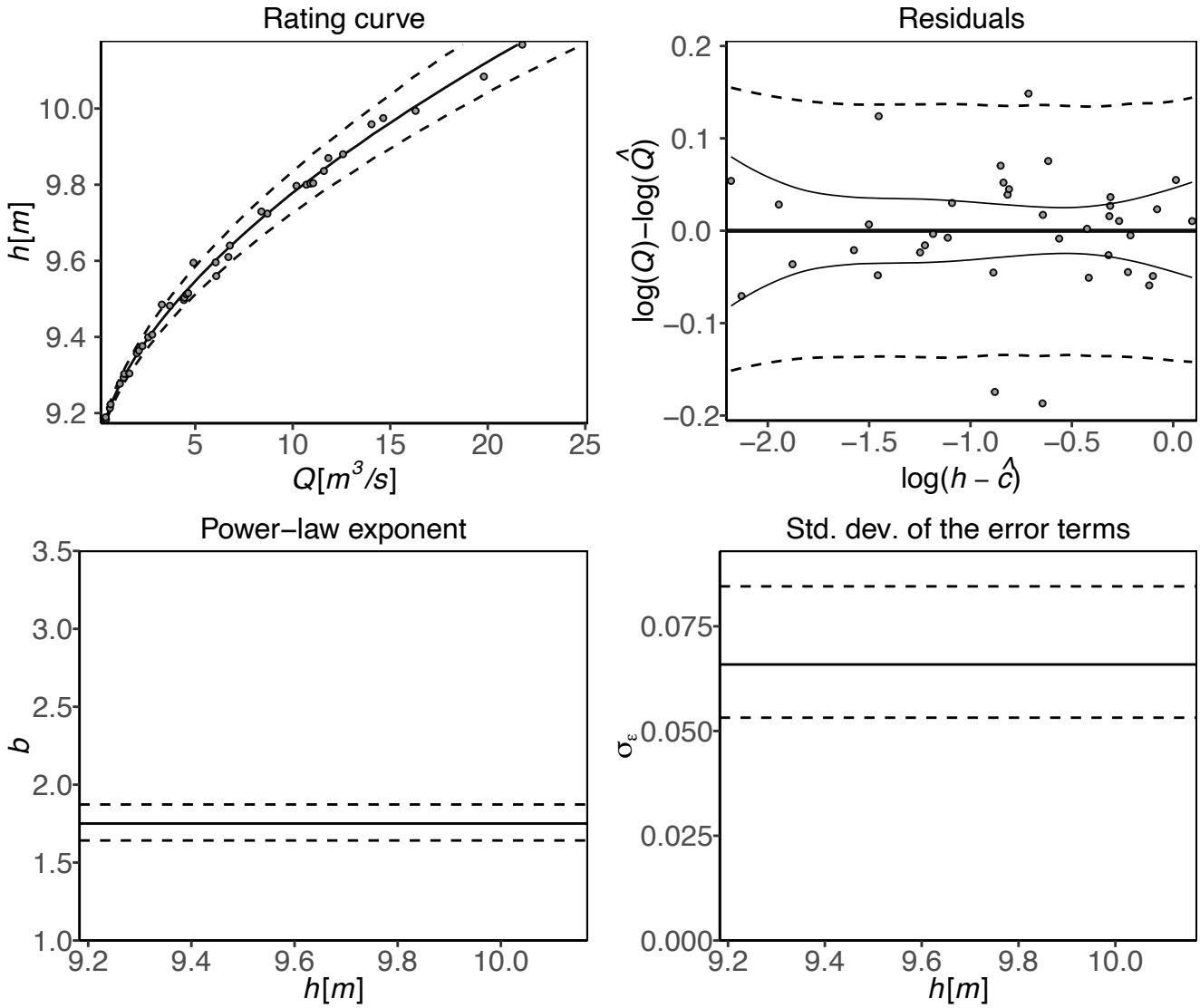
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	18.26	[17.51; 19.01]	8717	1.00
b	1.83	[1.83; 1.84]	10275	1.00
c	9.06	[9.05; 9.08]	4549	1.00
σ_ε	0.07	[0.05; 0.08]	4439	1.00
σ_β	0.29	[0.06; 0.66]	2294	1.00
ϕ_β	16.96	[0.80; 8571.21]	2749	1.00

Flötemarken, Sweden – PLM



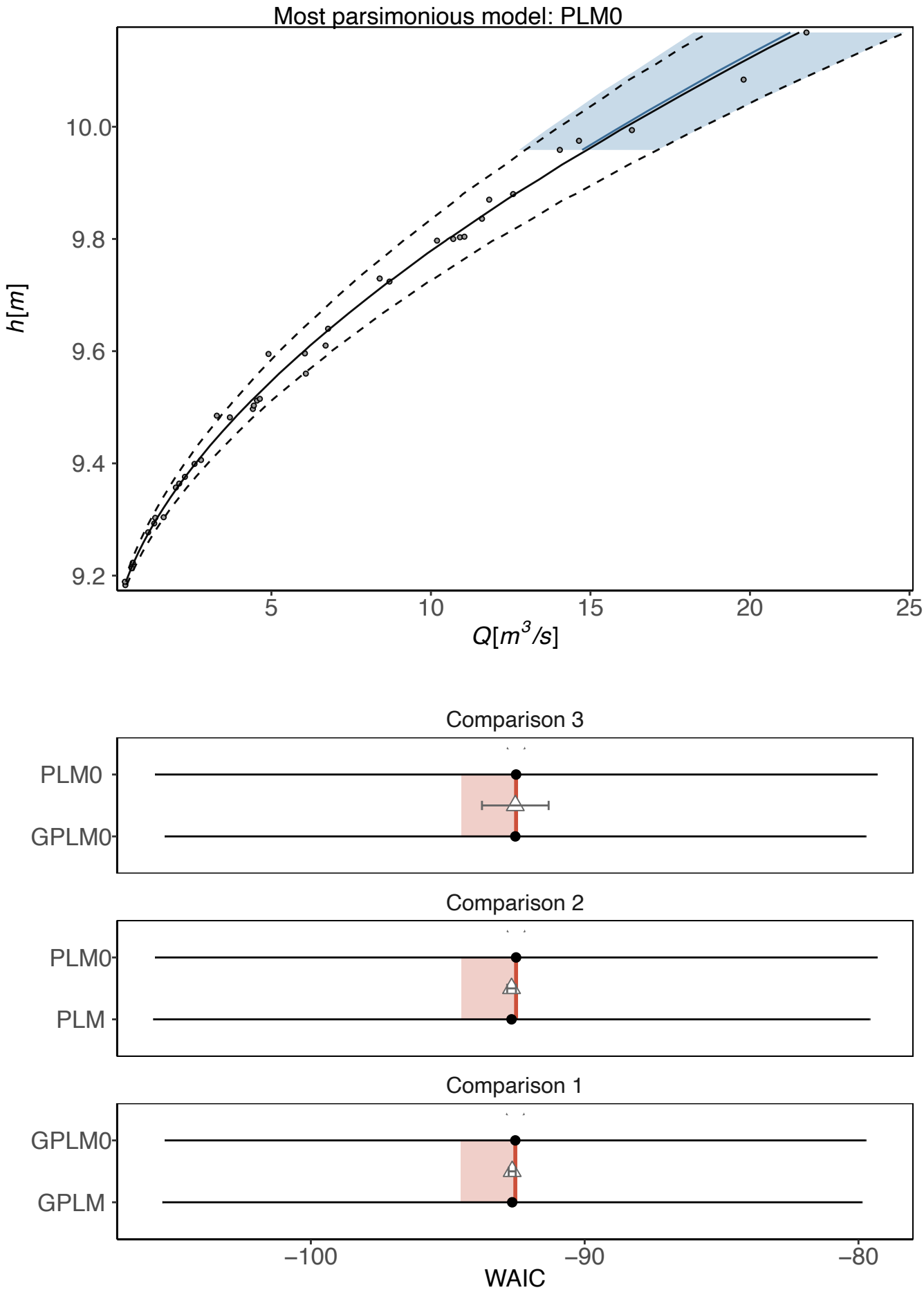
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	18.27	[17.60; 18.94]	8053	1.00
b	1.75	[1.65; 1.87]	2750	1.00
c	9.07	[9.05; 9.09]	2531	1.00
σ_η	0.09	[0.00; 0.48]	1750	1.00
η_1	–5.44	[–6.02; –4.81]	2084	1.00
η_2	–5.34	[–7.17; –3.54]	2578	1.00
η_3	–5.26	[–7.85; –2.82]	2744	1.00
η_4	–5.53	[–8.54; –2.42]	2805	1.00
η_5	–5.72	[–9.25; –1.99]	2826	1.00
η_6	–5.80	[–9.73; –1.48]	2821	1.00

Flötemarken, Sweden – PLM0



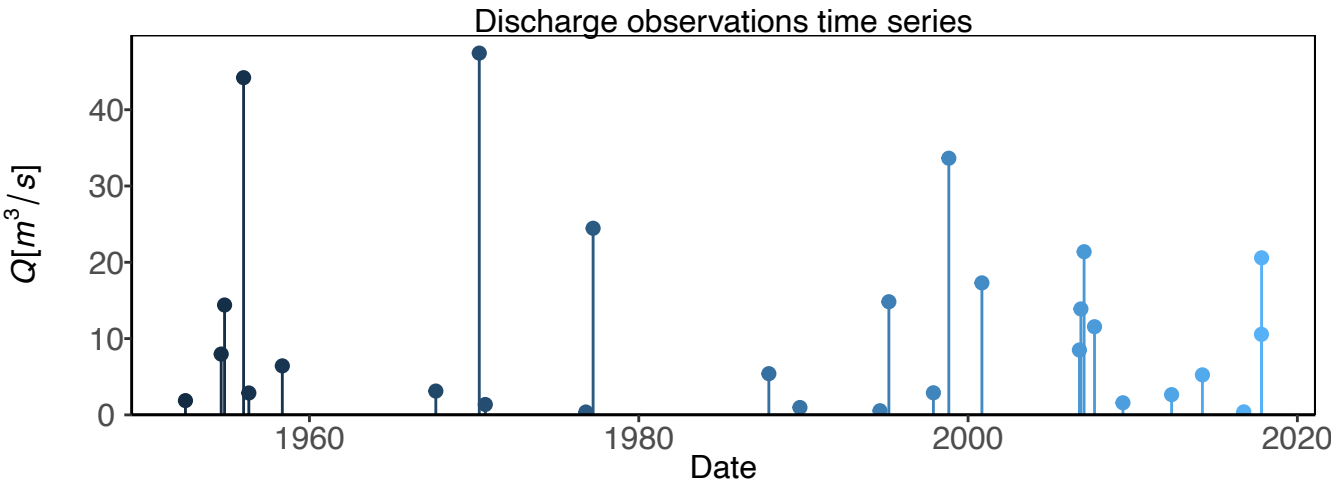
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	18.27	[17.60; 18.96]	16060	1.00
b	1.75	[1.64; 1.87]	9577	1.00
c	9.07	[9.05; 9.09]	9204	1.00
σ_ε	0.07	[0.05; 0.08]	9226	1.00

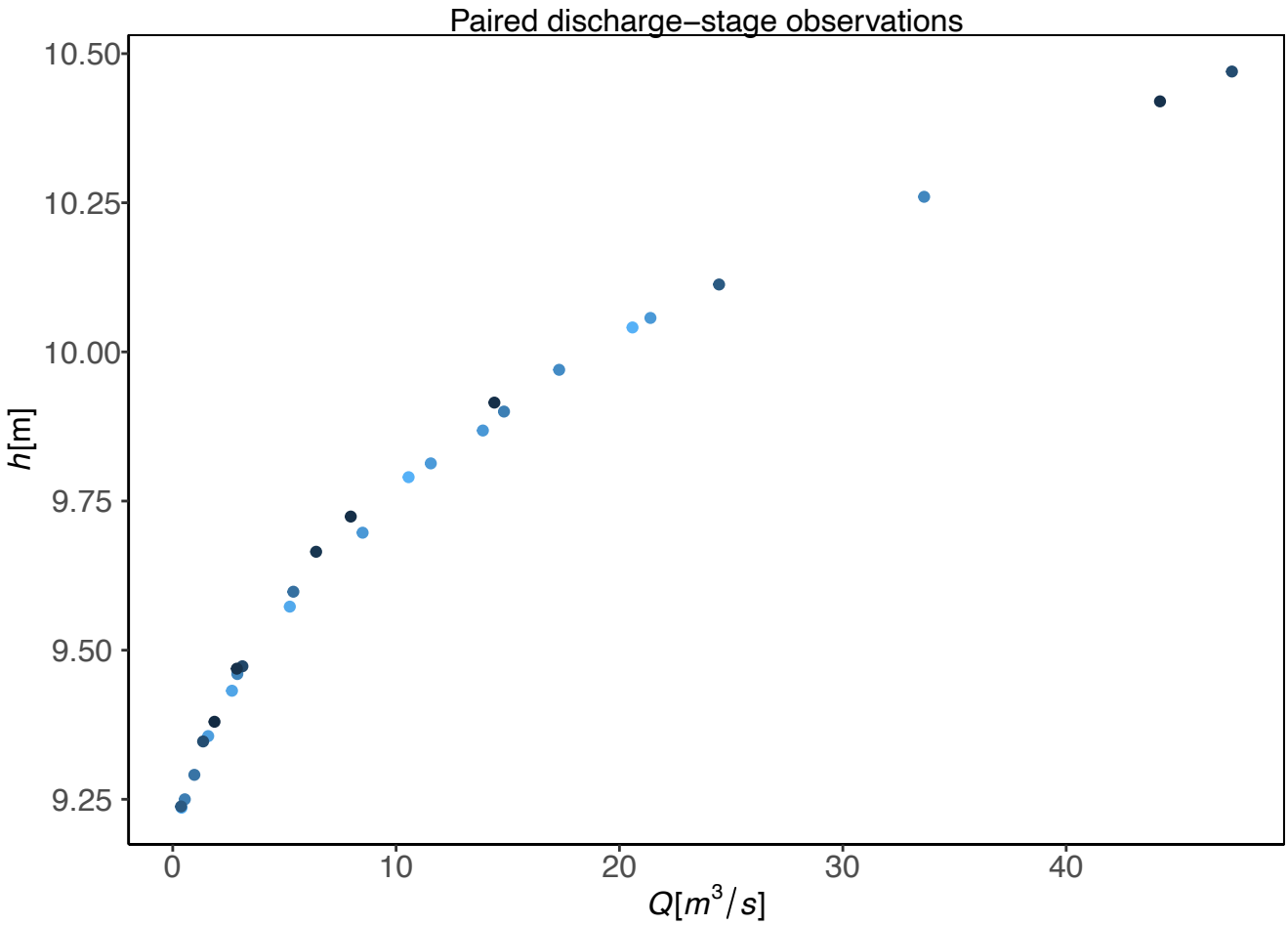
Power−law tournament results for Flötemarken, Sweden



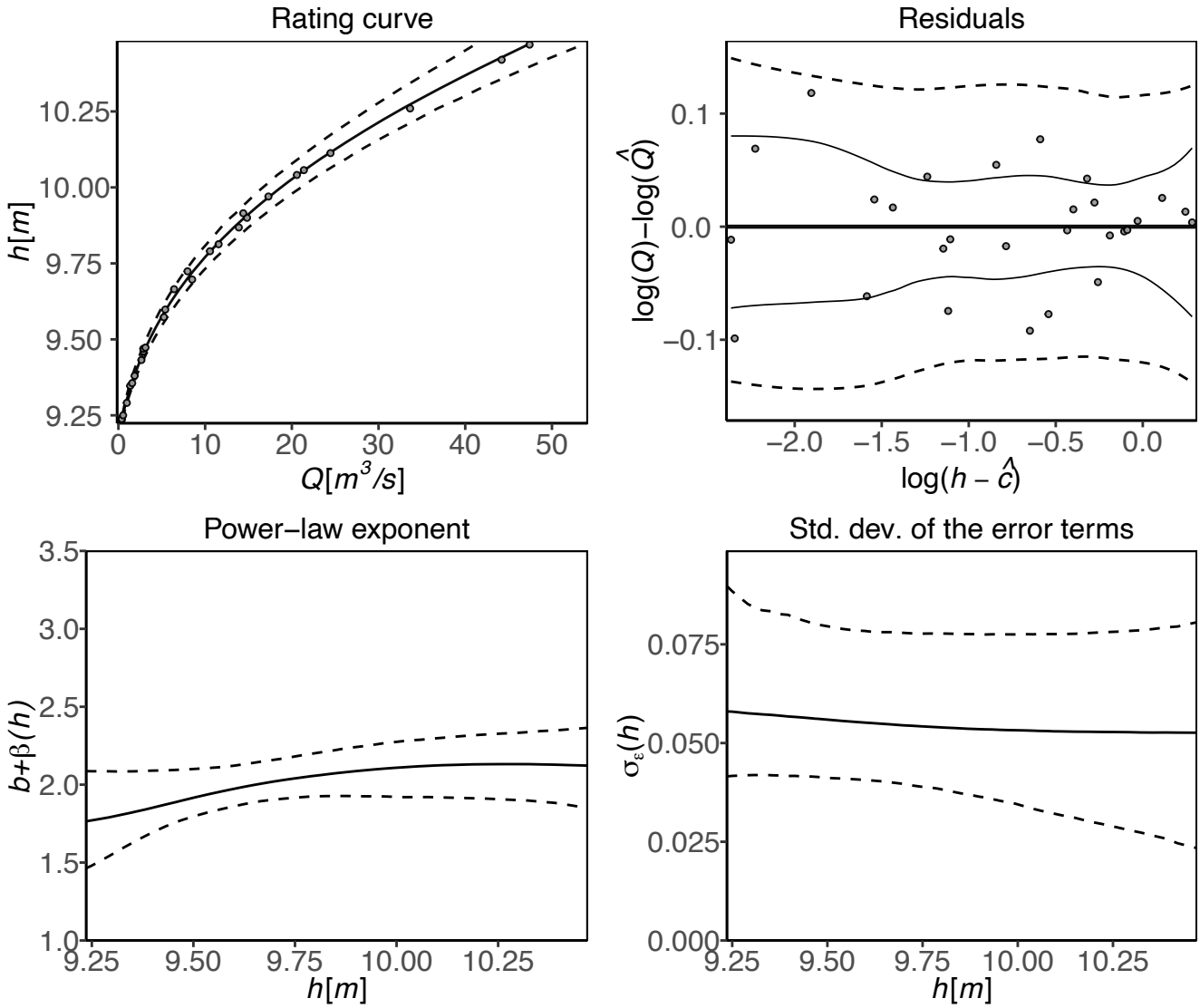
Station name:	Simlången
Location:	Sweden
Station number:	1575
Number of observations:	28
Start date:	1952–06–20
End date:	2017–10–29
Max. discharge (m^3/s):	47.4
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.75
GPLM0	2.29	0.24
PLM	10.84	0.00
PLM0	12.14	0.00



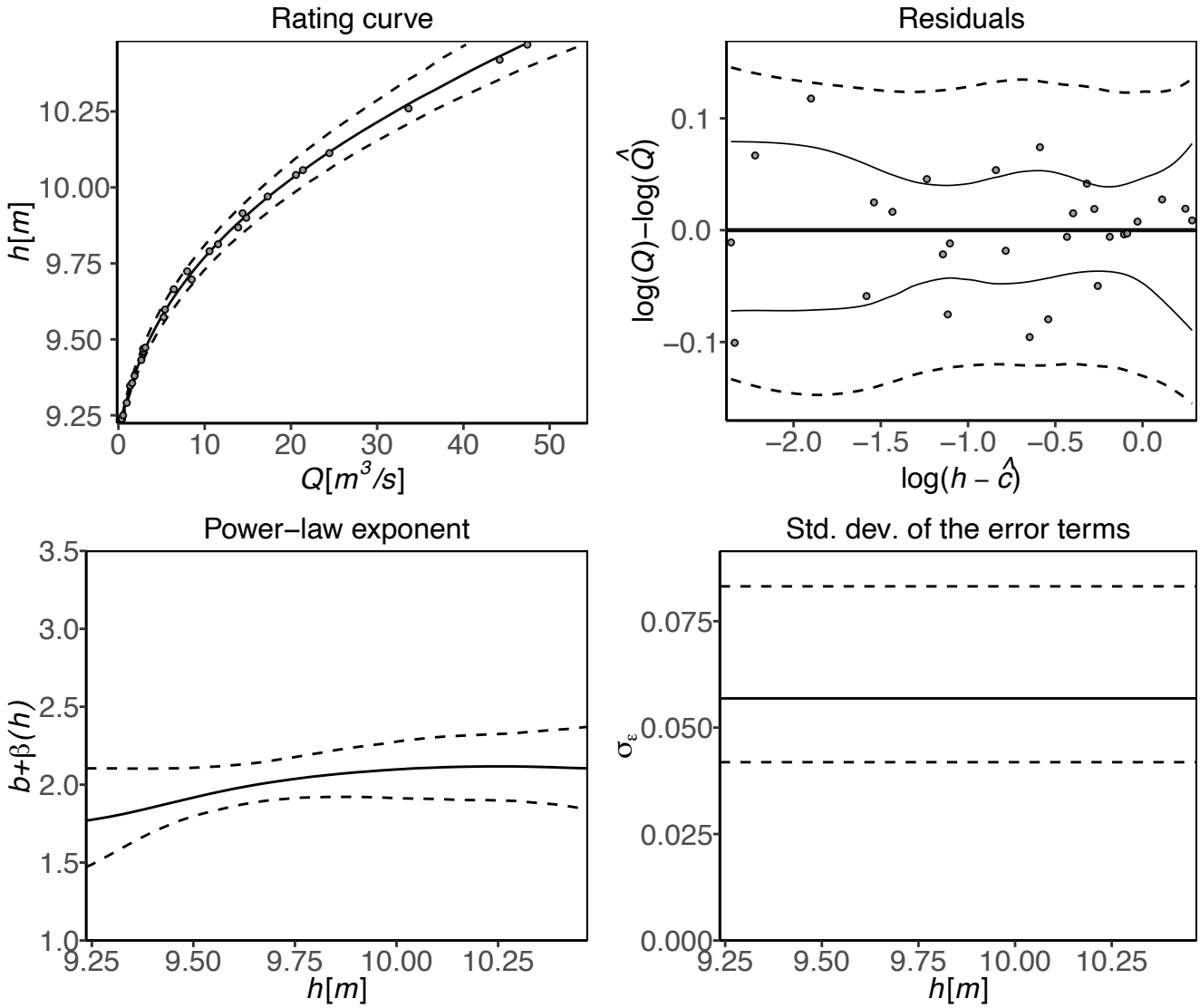


Simlången, Sweden – GPLM



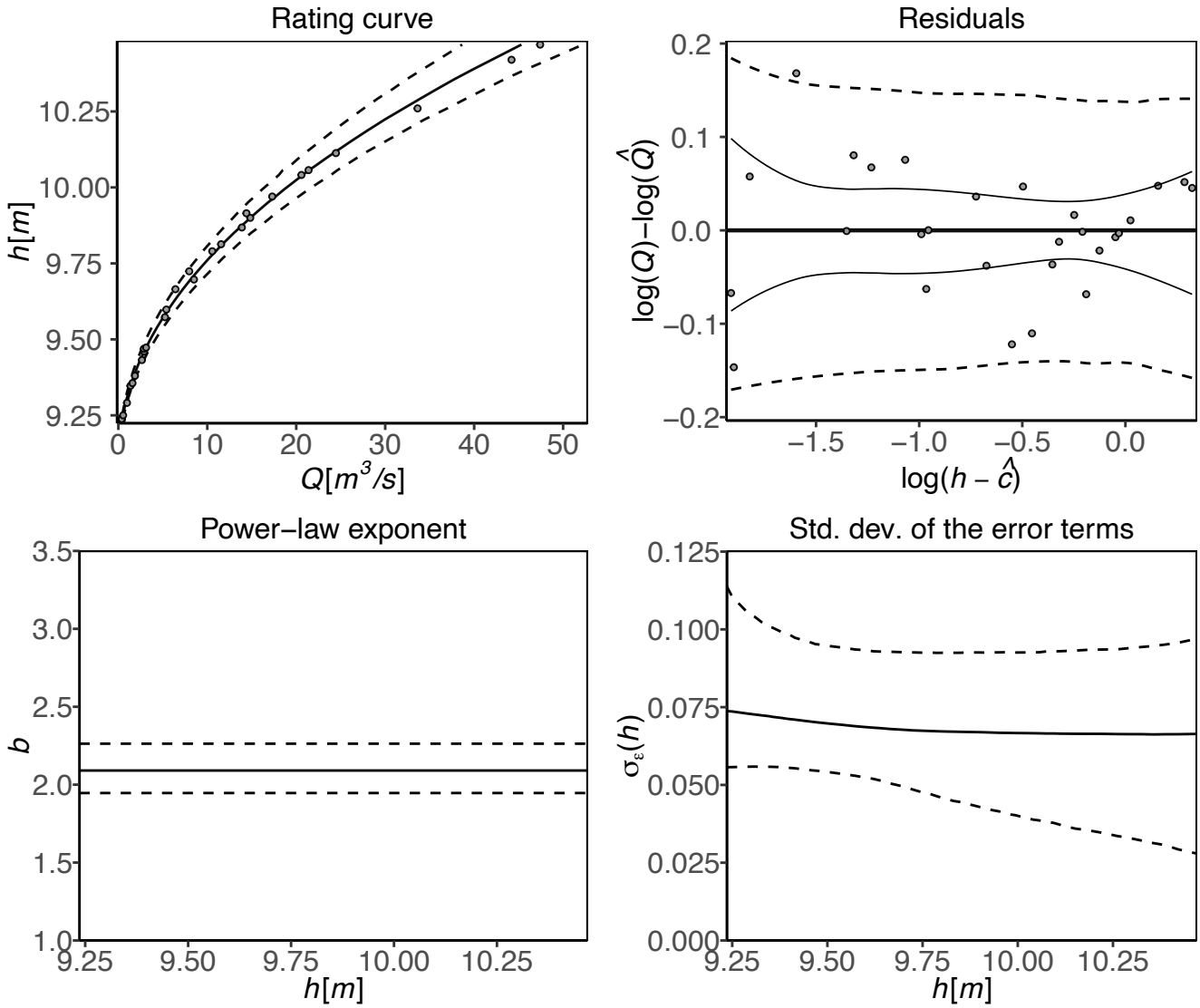
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	25.87	[22.81; 28.74]	1599	1.00
b	1.84	[1.83; 1.84]	8778	1.00
c	9.14	[9.09; 9.18]	1485	1.00
σ_β	0.29	[0.12; 0.81]	2145	1.00
ϕ_β	1.00	[0.33; 9.40]	1152	1.01
σ_η	0.10	[0.00; 0.59]	1505	1.00
η_1	–5.69	[–6.36; –4.82]	1805	1.00
η_2	–5.90	[–7.77; –3.97]	2192	1.00
η_3	–6.24	[–8.82; –3.48]	2291	1.00
η_4	–6.61	[–9.78; –3.07]	2223	1.00
η_5	–6.76	[–10.62; –2.61]	2101	1.00
η_6	–6.85	[–11.07; –2.16]	2205	1.00

Simlången, Sweden – GPLM0



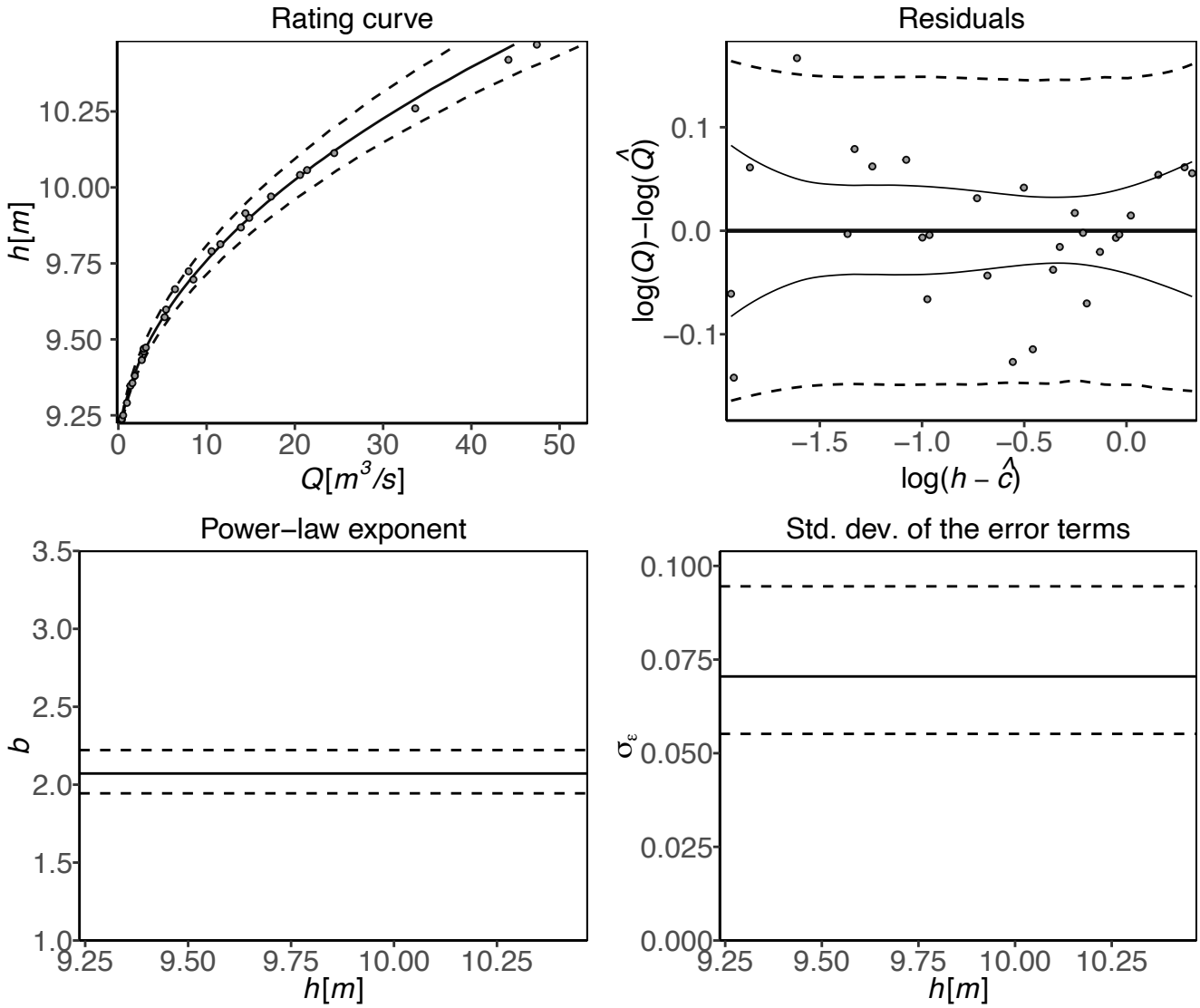
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	25.80	[22.65; 28.73]	1935	1.00
b	1.84	[1.83; 1.84]	13355	1.00
c	9.14	[9.09; 9.18]	2067	1.00
σ_ε	0.06	[0.04; 0.08]	2450	1.00
σ_β	0.54	[0.33; 0.90]	3452	1.00
ϕ_β	1.04	[0.32; 152.61]	908	1.02

Simlången, Sweden – PLM



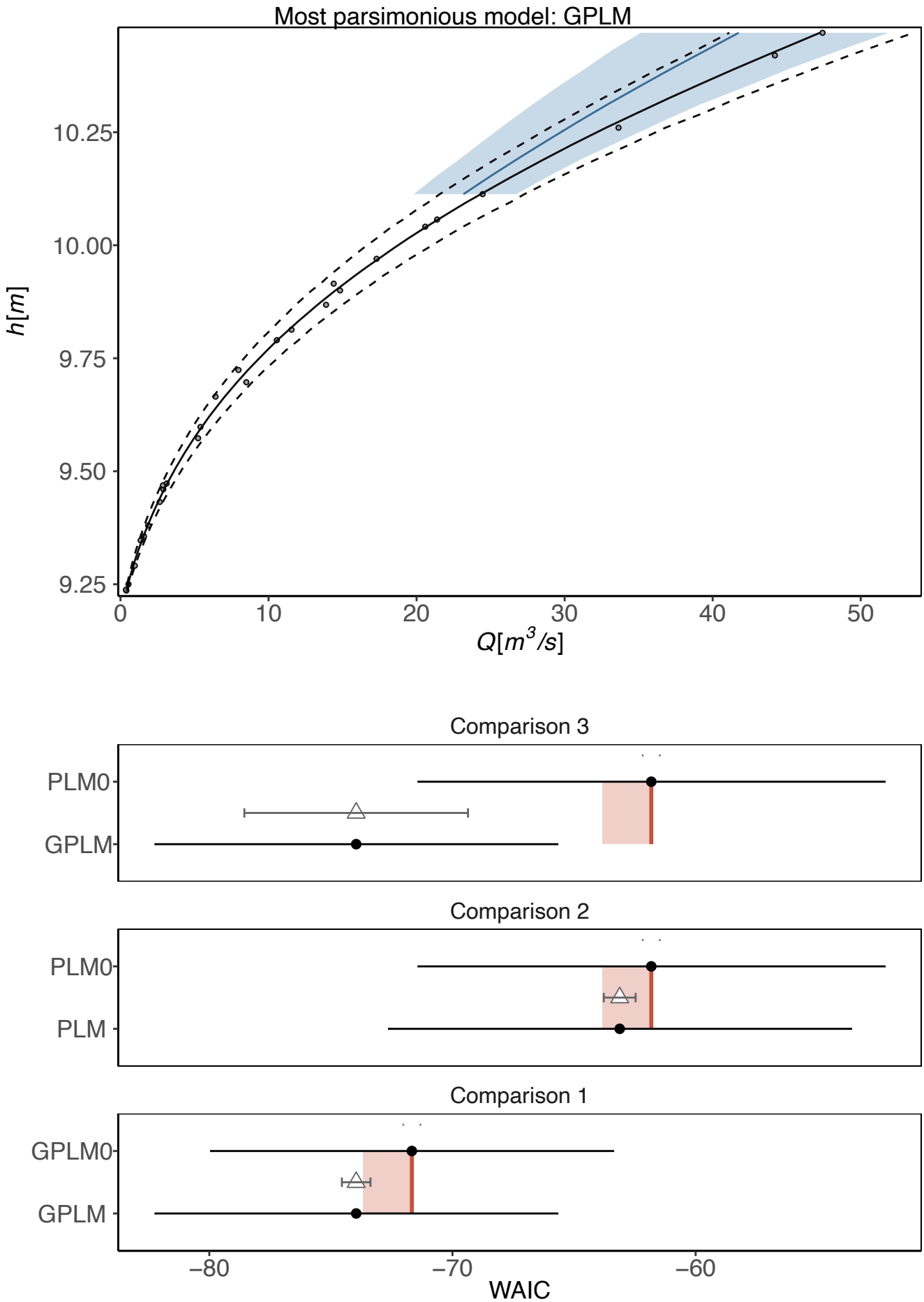
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	22.93	[21.38; 24.13]	3111	1.00
b	2.09	[1.95; 2.26]	2500	1.00
c	9.09	[9.05; 9.11]	2348	1.00
σ_η	0.10	[0.00; 0.63]	1530	1.00
η_1	–5.21	[–5.78; –4.35]	2247	1.00
η_2	–5.52	[–7.32; –3.68]	2595	1.00
η_3	–5.94	[–8.44; –3.14]	2594	1.00
η_4	–6.26	[–9.44; –2.65]	2456	1.00
η_5	–6.34	[–10.22; –2.15]	2555	1.00
η_6	–6.40	[–10.68; –1.70]	2420	1.00

Simlången, Sweden – PLM0



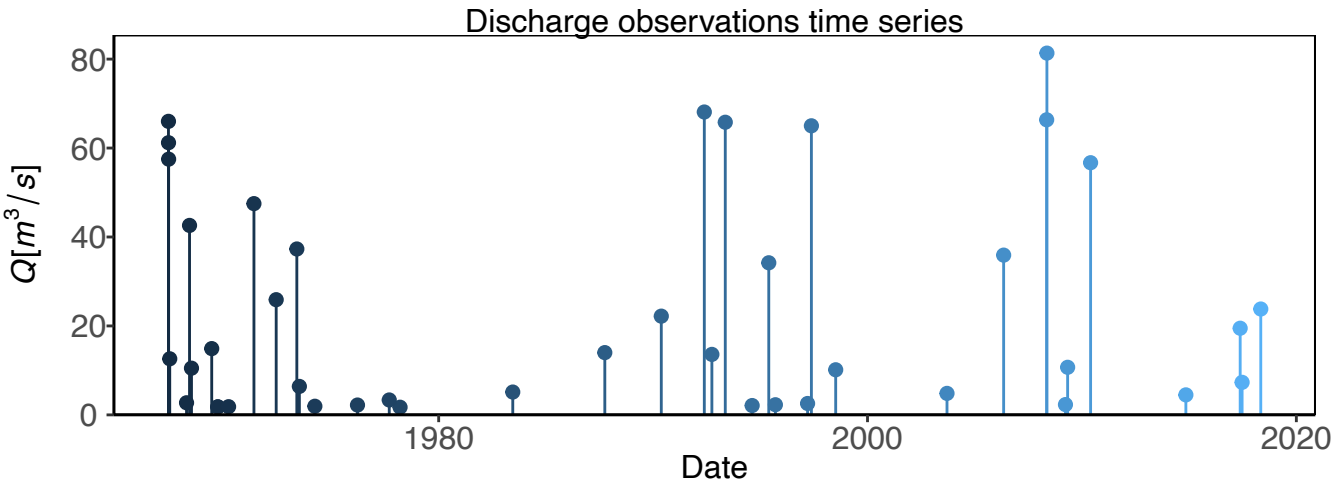
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	23.04	[21.75; 24.23]	11624	1.00
b	2.07	[1.94; 2.22]	8898	1.00
c	9.09	[9.06; 9.11]	8800	1.00
σ_ε	0.07	[0.06; 0.09]	8243	1.00

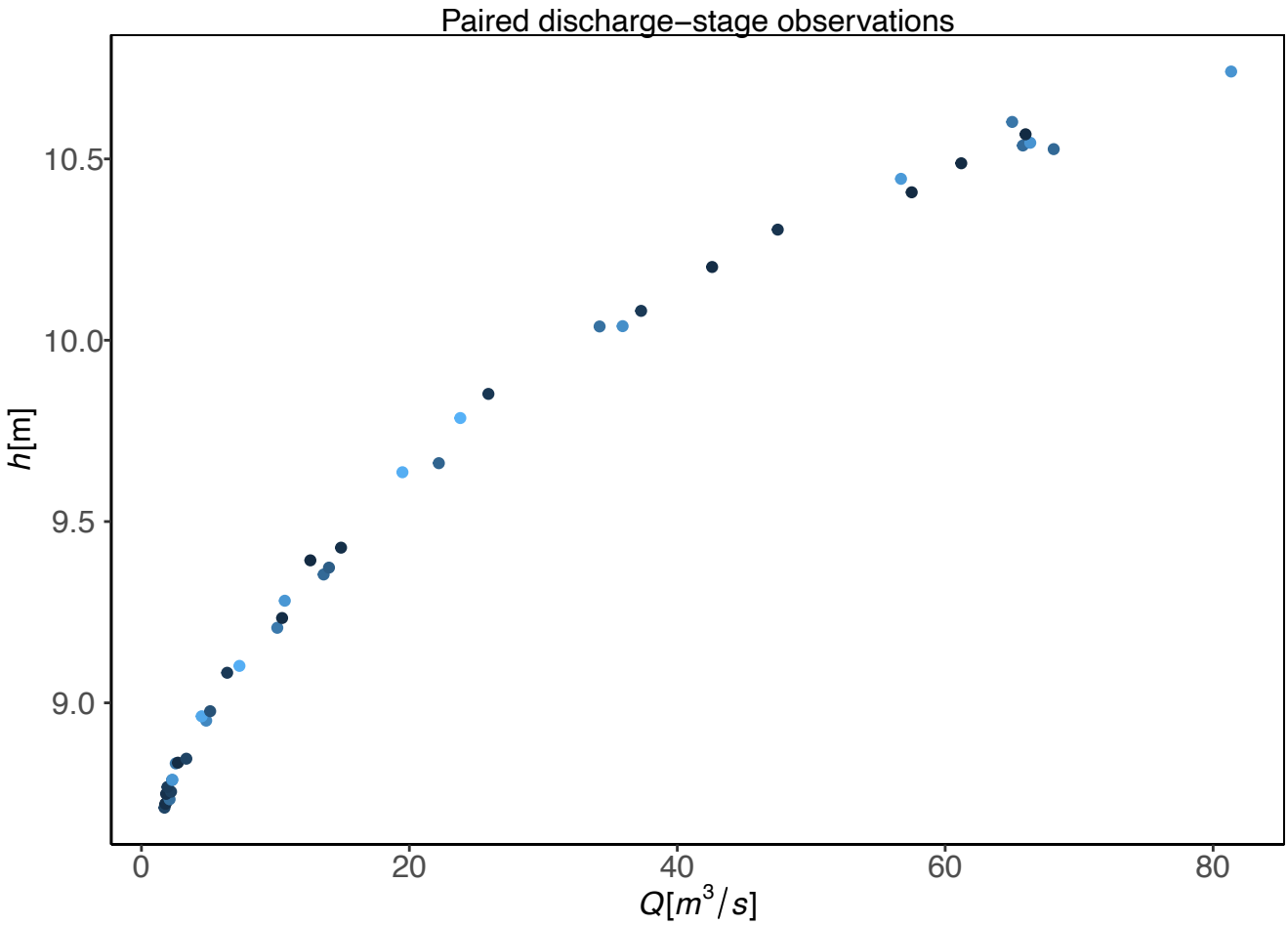
Power−law tournament results for Simlången, Sweden



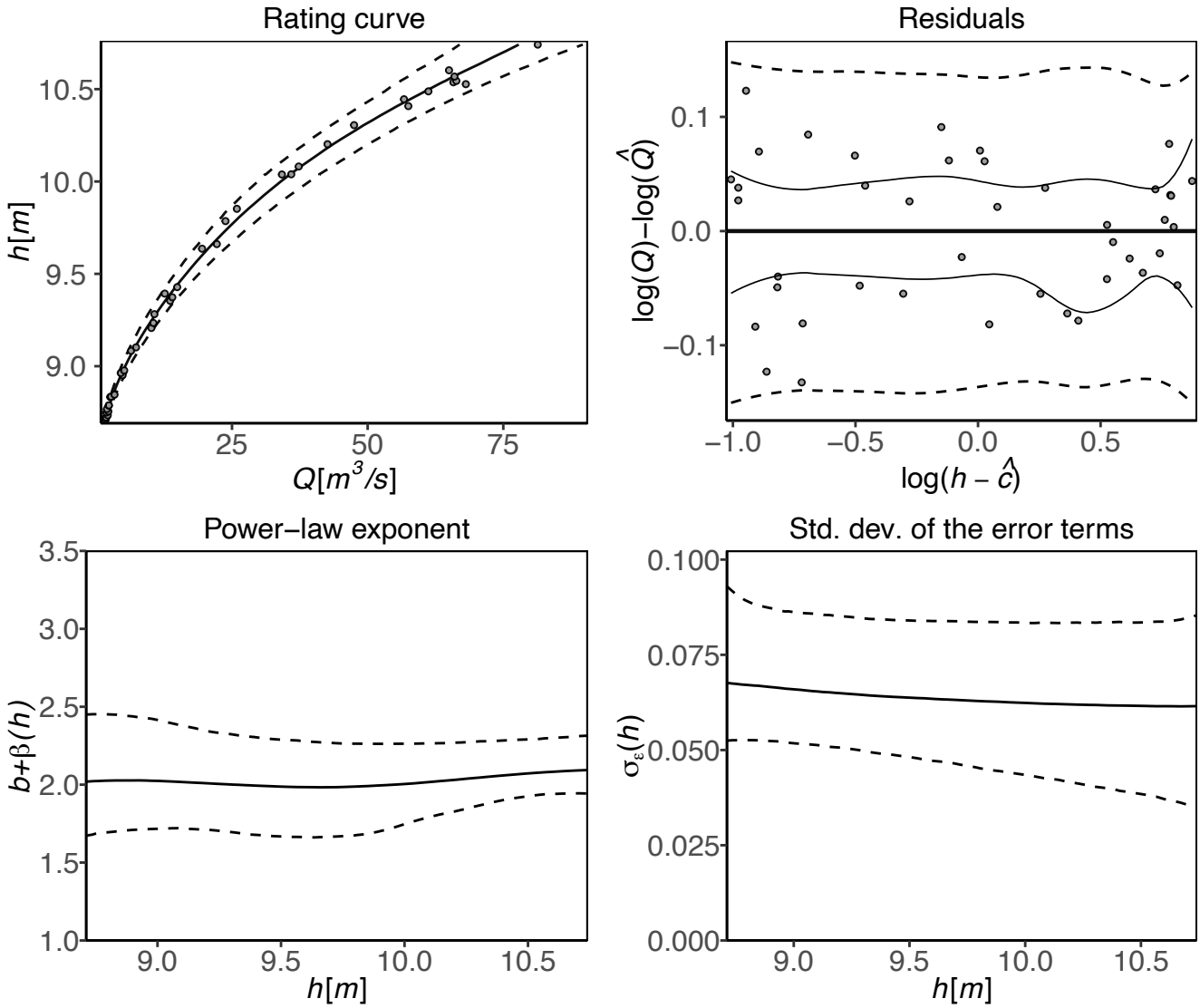
Station name:	Strömfors
Location:	Sweden
Station number:	1609
Number of observations:	42
Start date:	1967–05–26
End date:	2018–05–05
Max. discharge (m^3/s):	81.3
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.53
GPLM0	1.70	0.23
PLM	2.78	0.13
PLM0	3.22	0.11



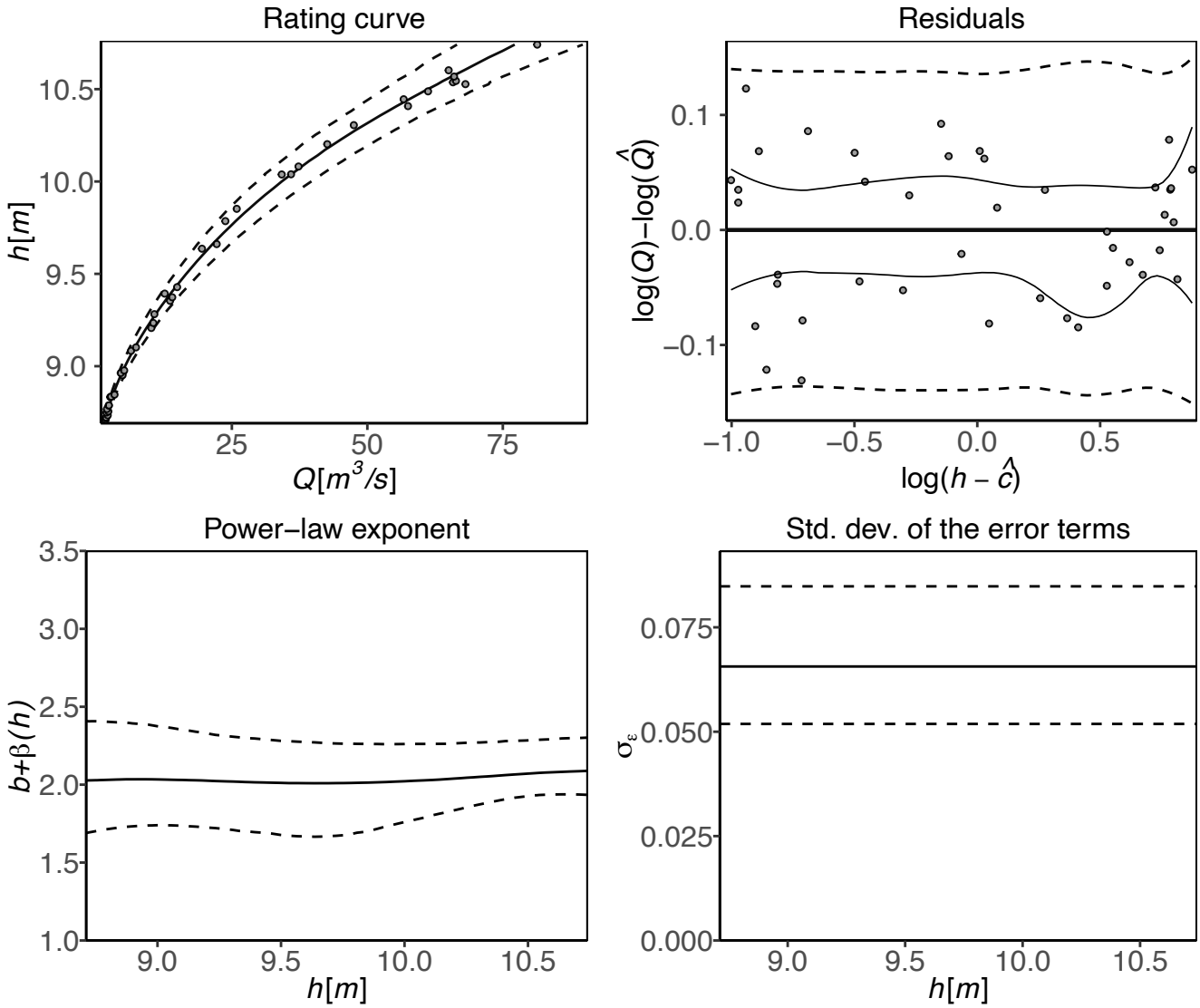


Strömfors, Sweden – GPLM



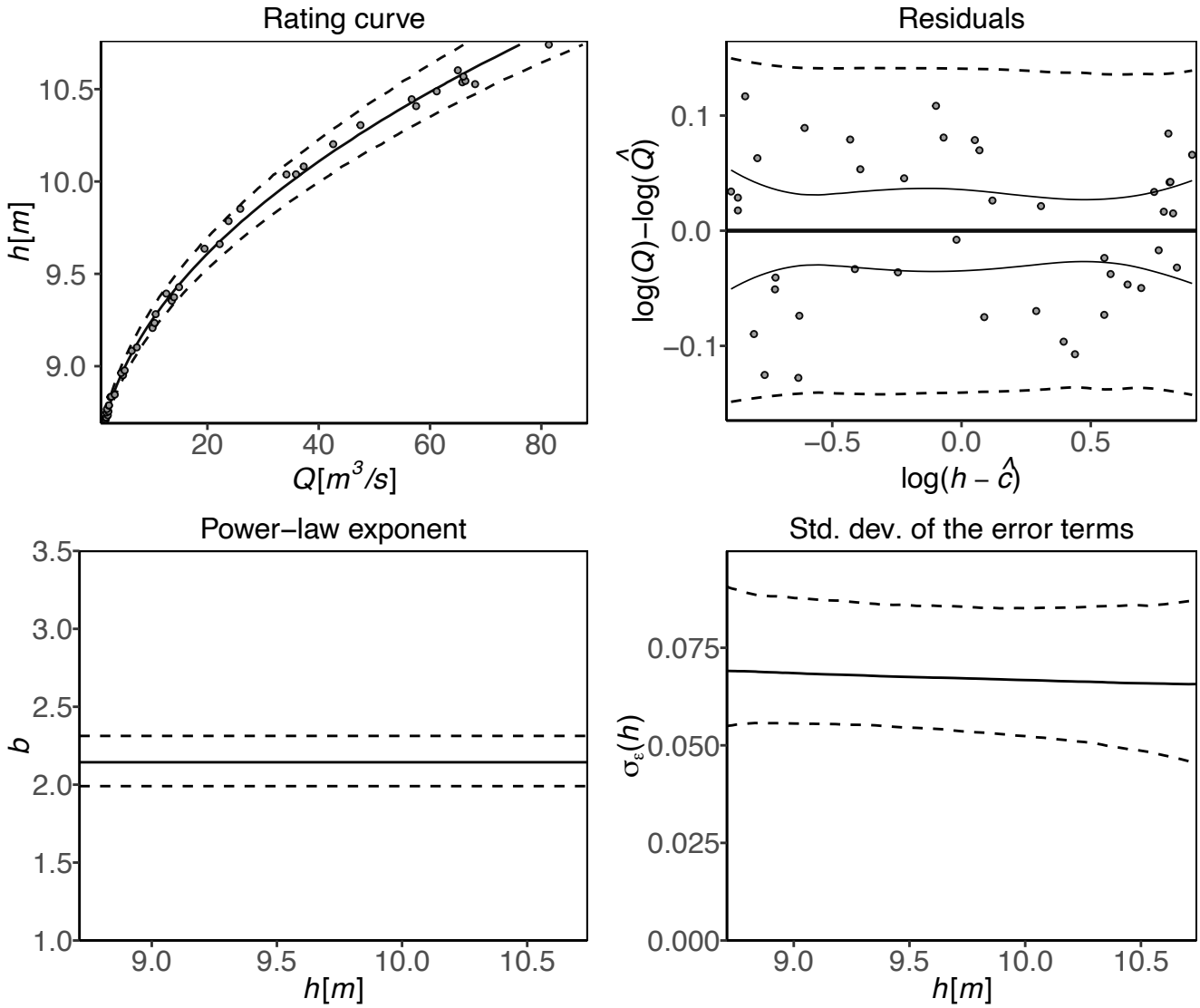
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	12.50	[9.38; 15.21]	1854	1.01
b	1.84	[1.83; 1.84]	11139	1.00
c	8.35	[8.22; 8.45]	1737	1.01
σ_β	0.24	[0.09; 0.70]	2385	1.00
ϕ_β	2.54	[0.36; 2157.08]	785	1.05
σ_η	0.10	[0.00; 0.50]	915	1.01
η_1	–5.39	[–5.90; –4.75]	2856	1.00
η_2	–5.60	[–7.47; –3.70]	1808	1.01
η_3	–5.98	[–8.54; –3.13]	1735	1.00
η_4	–6.30	[–9.50; –2.73]	1862	1.01
η_5	–6.55	[–10.05; –2.32]	2025	1.00
η_6	–6.61	[–10.74; –1.87]	2267	1.00

Strömfors, Sweden – GPLM0



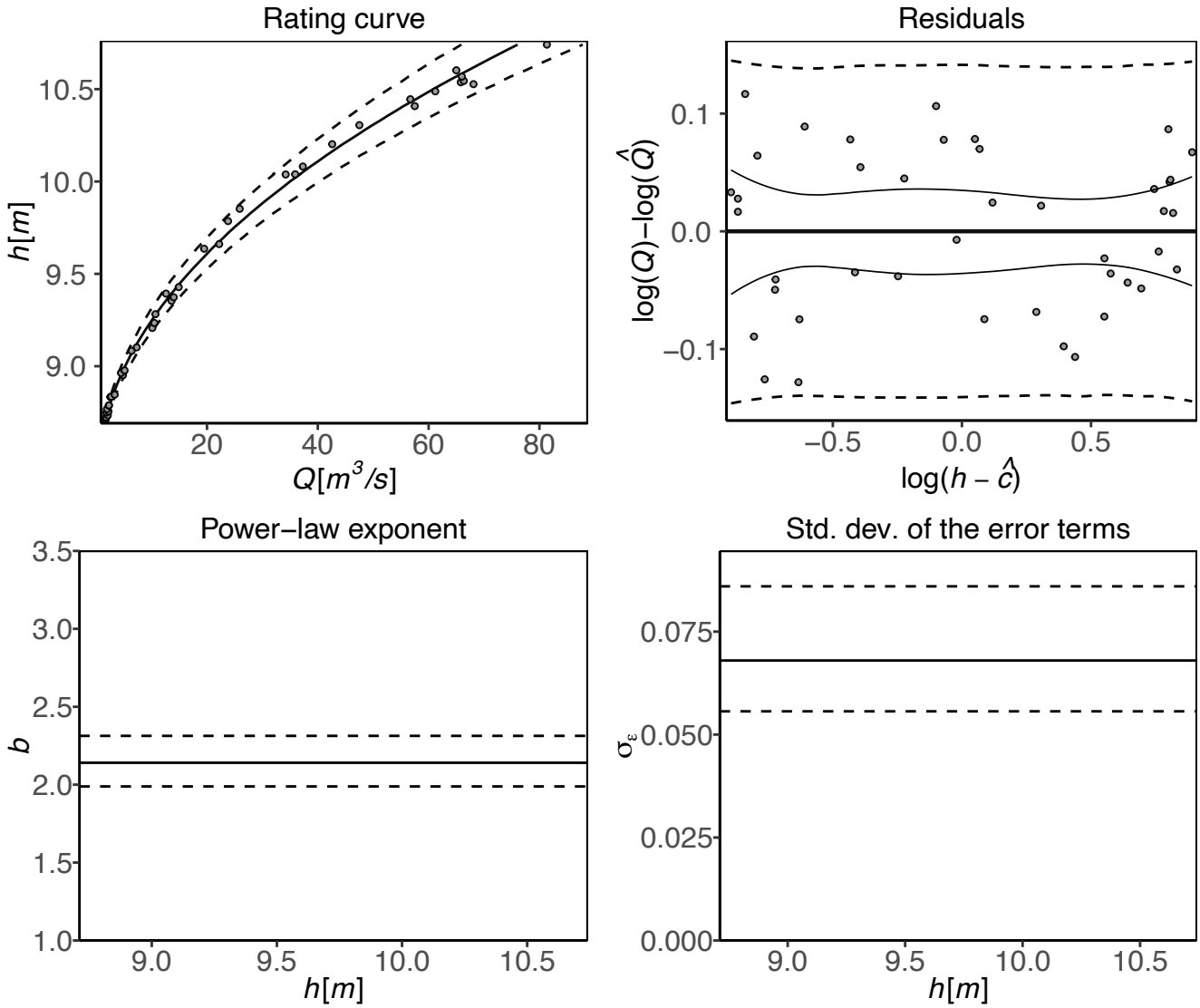
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	12.44	[9.45; 15.08]	3671	1.00
b	1.84	[1.83; 1.84]	11633	1.00
c	8.34	[8.22; 8.44]	3367	1.00
σ_ε	0.07	[0.05; 0.08]	3969	1.00
σ_β	0.49	[0.29; 0.83]	5447	1.00
ϕ_β	4.13	[0.37; 4539.48]	904	1.01

Strömfors, Sweden – PLM



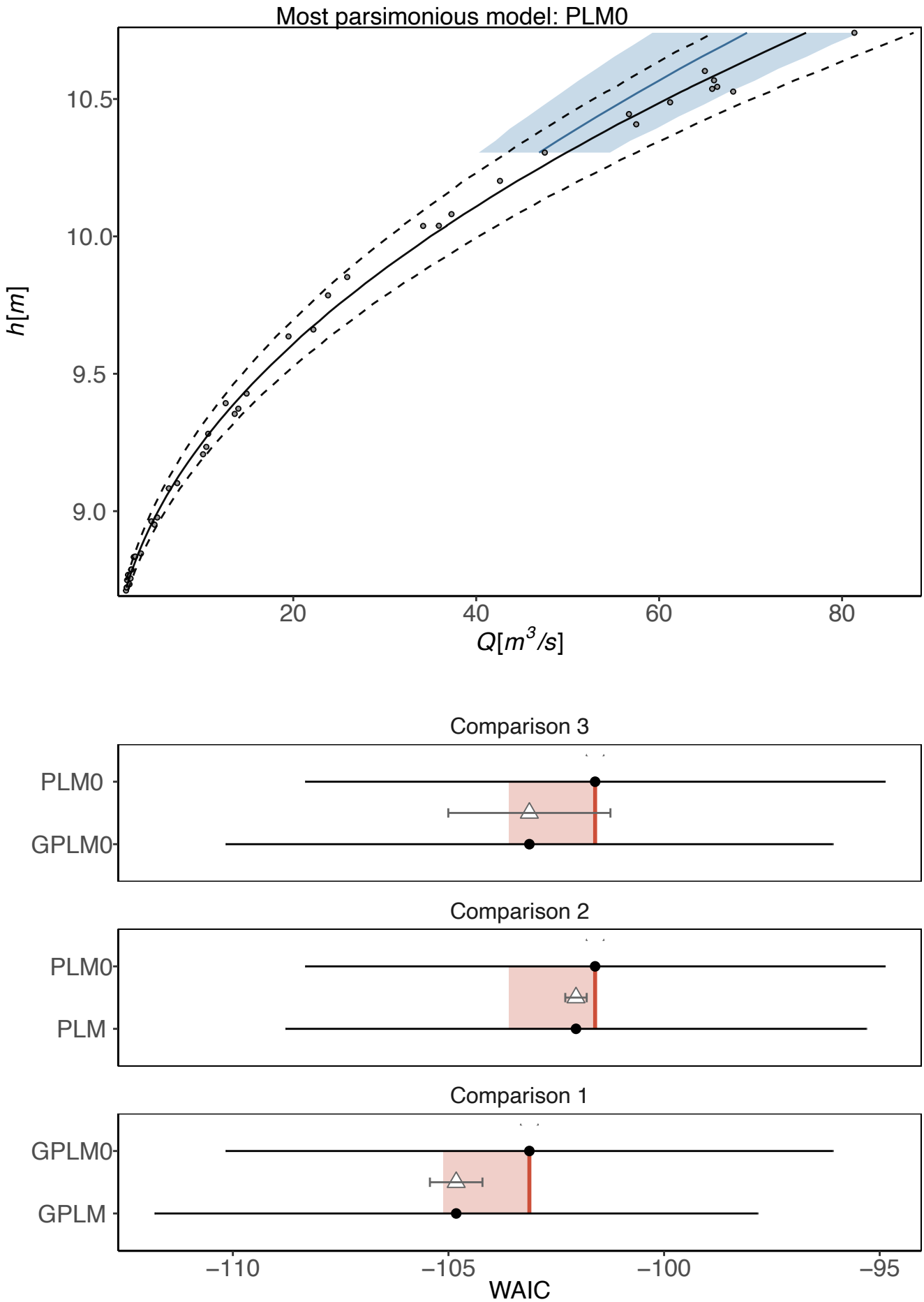
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.25	[9.31; 13.16]	2627	1.00
b	2.14	[1.99; 2.31]	2648	1.00
c	8.30	[8.23; 8.36]	2595	1.00
σ_η	0.09	[0.00; 0.41]	1867	1.00
η_1	–5.35	[–5.80; –4.80]	2720	1.00
η_2	–5.45	[–7.26; –3.62]	2753	1.00
η_3	–5.63	[–8.09; –3.06]	2622	1.00
η_4	–5.84	[–8.80; –2.68]	2780	1.00
η_5	–6.09	[–9.42; –2.35]	2844	1.00
η_6	–6.13	[–9.95; –1.92]	2885	1.00

Strömfors, Sweden – PLM0



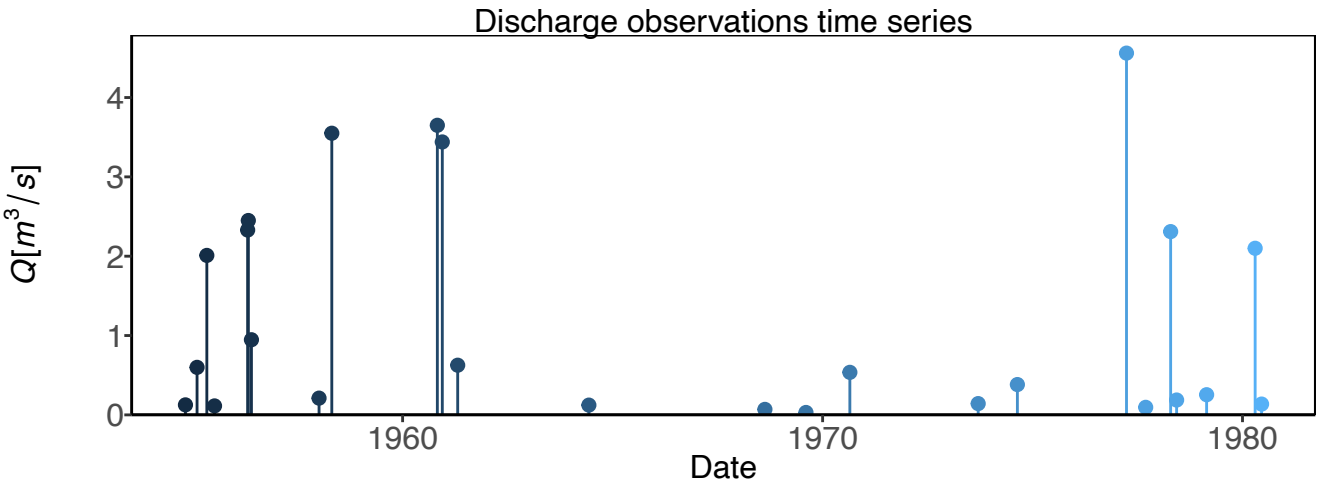
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.28	[9.32; 13.19]	9524	1.00
b	2.14	[1.99; 2.31]	9646	1.00
c	8.30	[8.23; 8.36]	9464	1.00
σ_ε	0.07	[0.06; 0.09]	8923	1.00

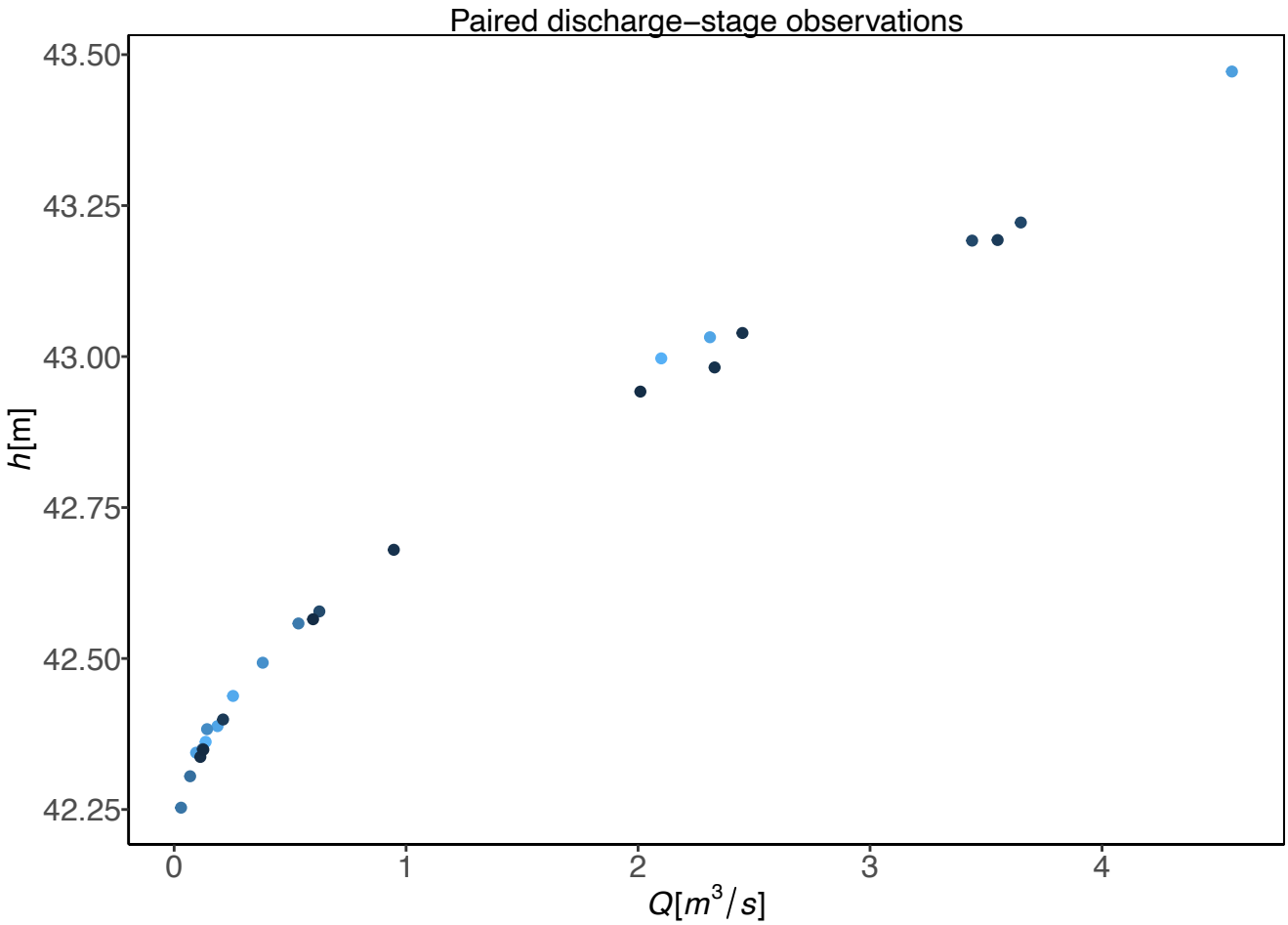
Power–law tournament results for Strömfors, Sweden



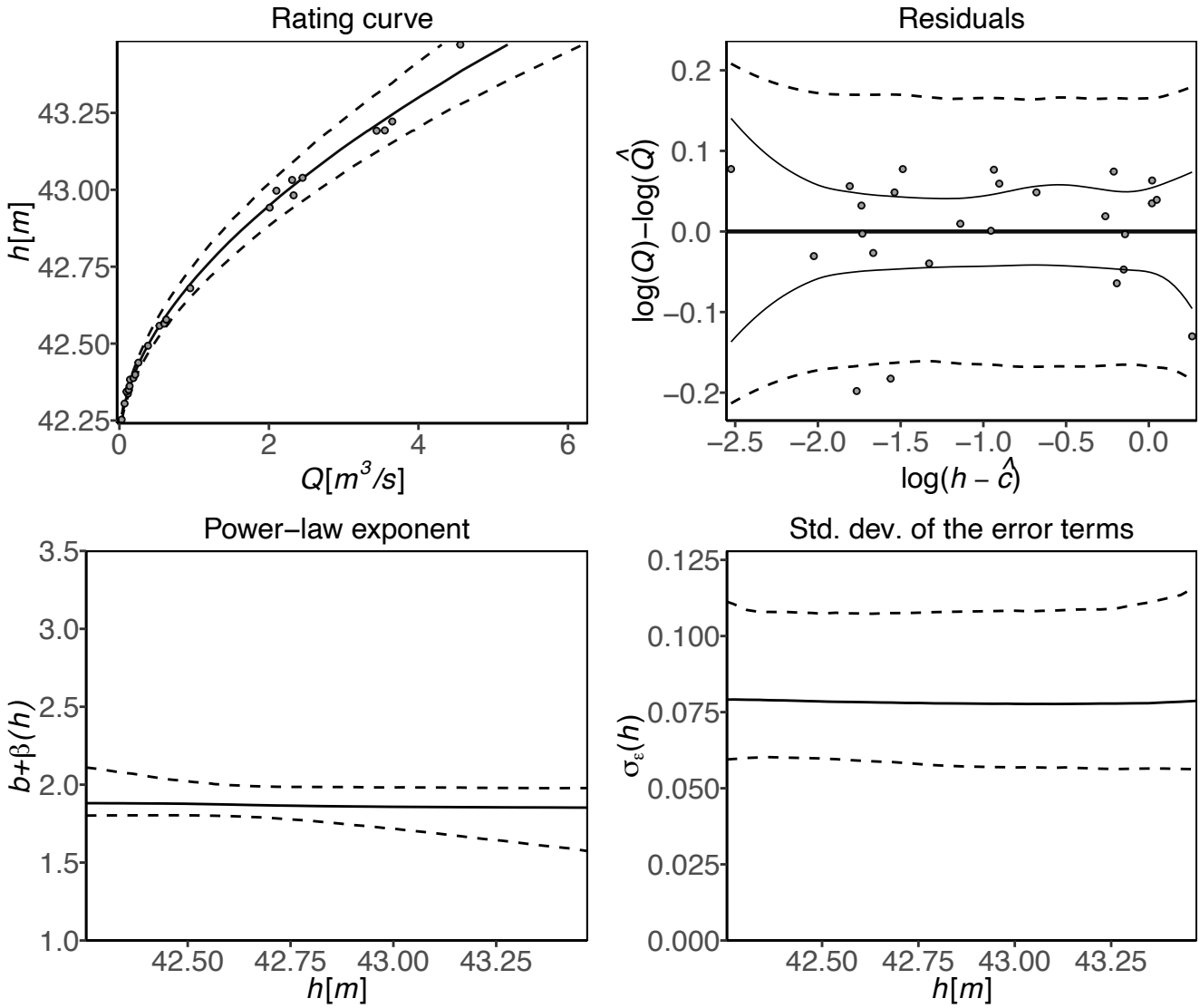
Station name:	Forshultesjön Nedre
Location:	Sweden
Station number:	1619
Number of observations:	25
Start date:	1954–10–30
End date:	1980–06–15
Max. discharge (m^3/s):	4.6
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.29
GPLM0	0.08	0.28
PLM	0.66	0.21
PLM0	0.53	0.22



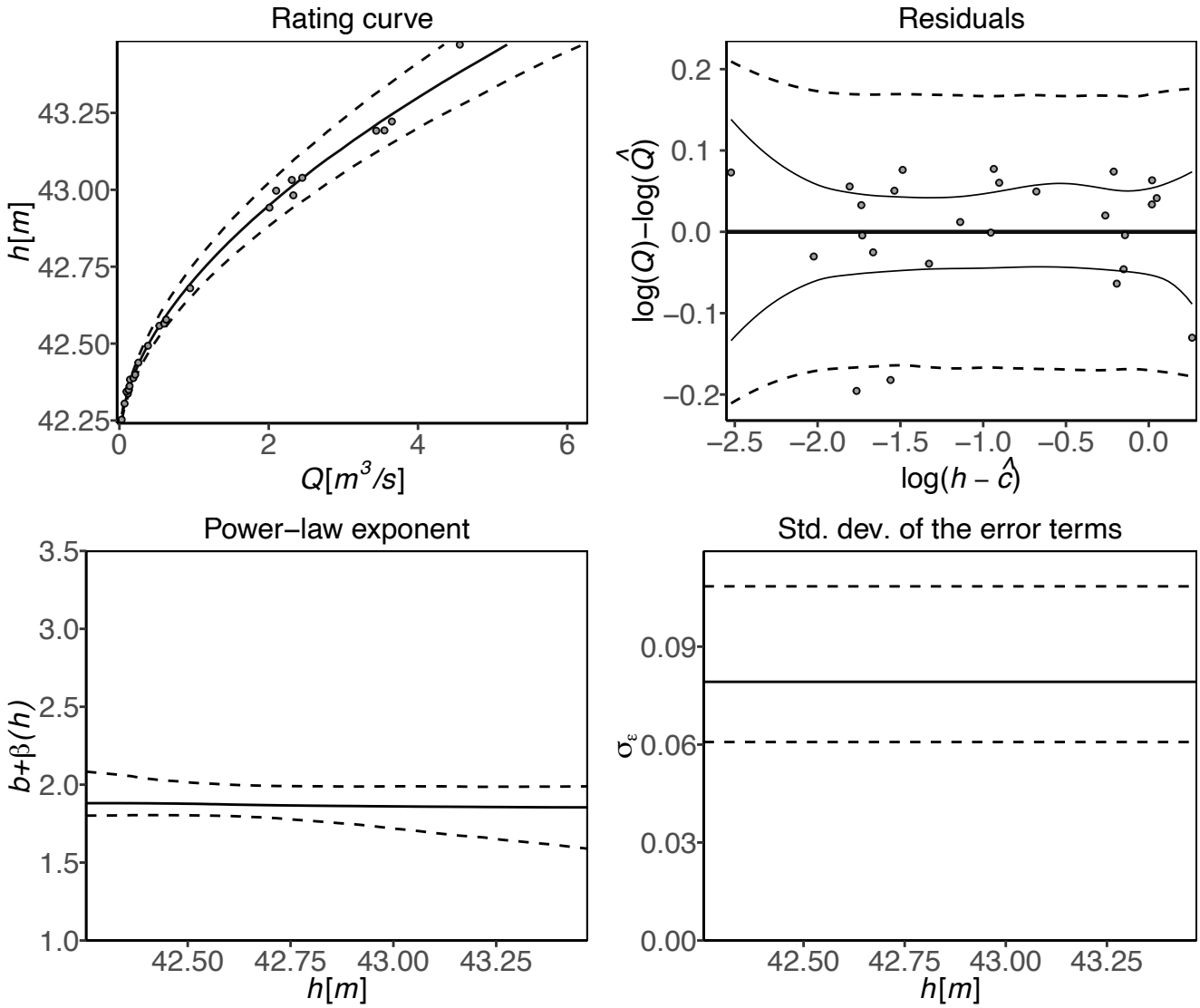


Forshultesjön Nedre, Sweden – GPLM



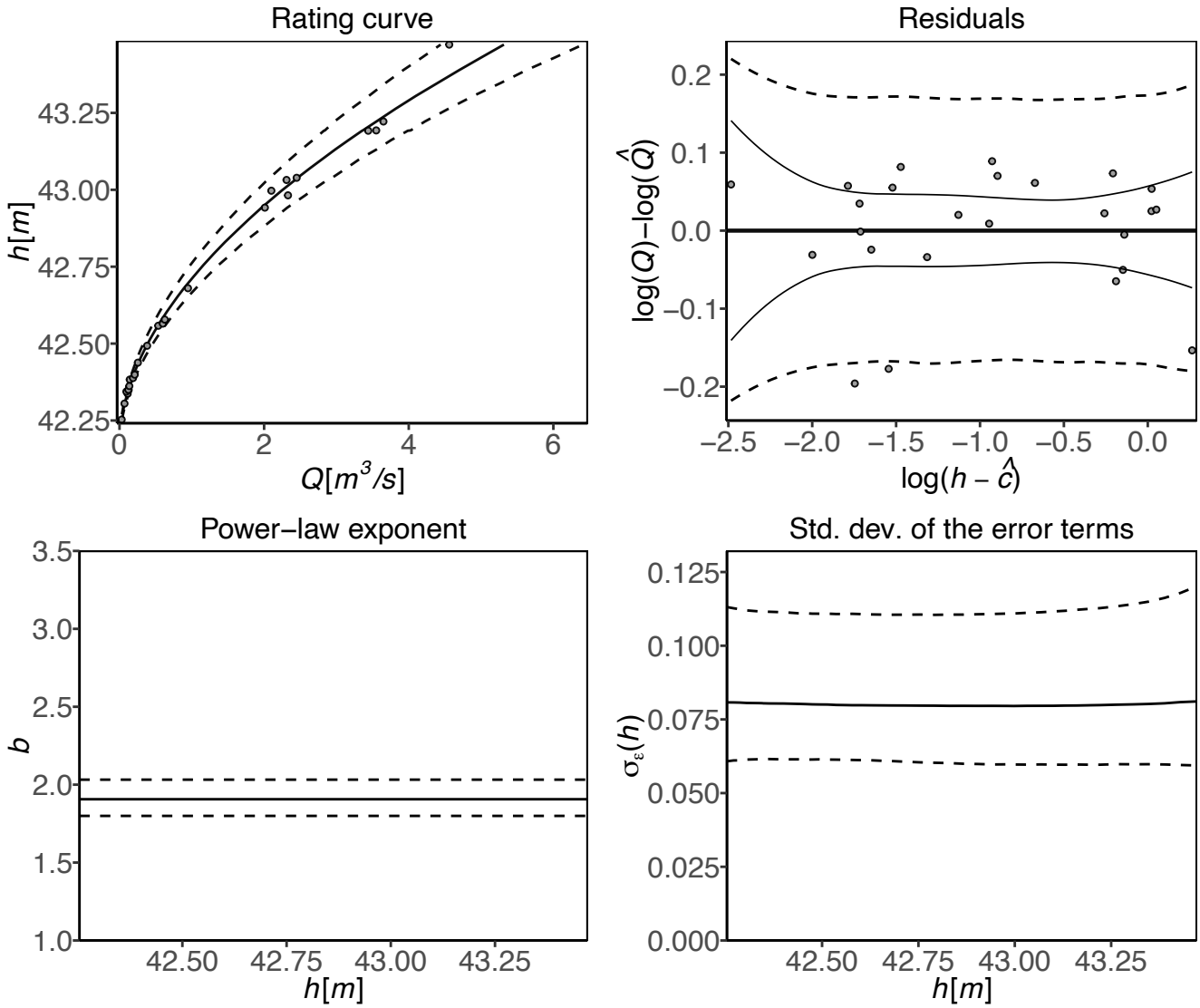
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.20	[2.97; 3.38]	2439	1.00
b	1.84	[1.83; 1.84]	7859	1.00
c	42.17	[42.14; 42.19]	1286	1.01
σ_β	0.10	[0.00; 0.52]	1538	1.00
ϕ_β	10.97	[0.45; 8676.23]	1534	1.00
σ_η	0.08	[0.00; 0.42]	1484	1.00
η_1	−5.07	[−5.64; −4.39]	1830	1.00
η_2	−5.09	[−6.98; −3.15]	2098	1.00
η_3	−5.24	[−7.92; −2.51]	2022	1.00
η_4	−5.38	[−8.57; −2.08]	2150	1.01
η_5	−5.29	[−9.02; −1.53]	2031	1.00
η_6	−5.20	[−9.37; −1.02]	2022	1.00

Forshultesjön Nedre, Sweden – GPLM0



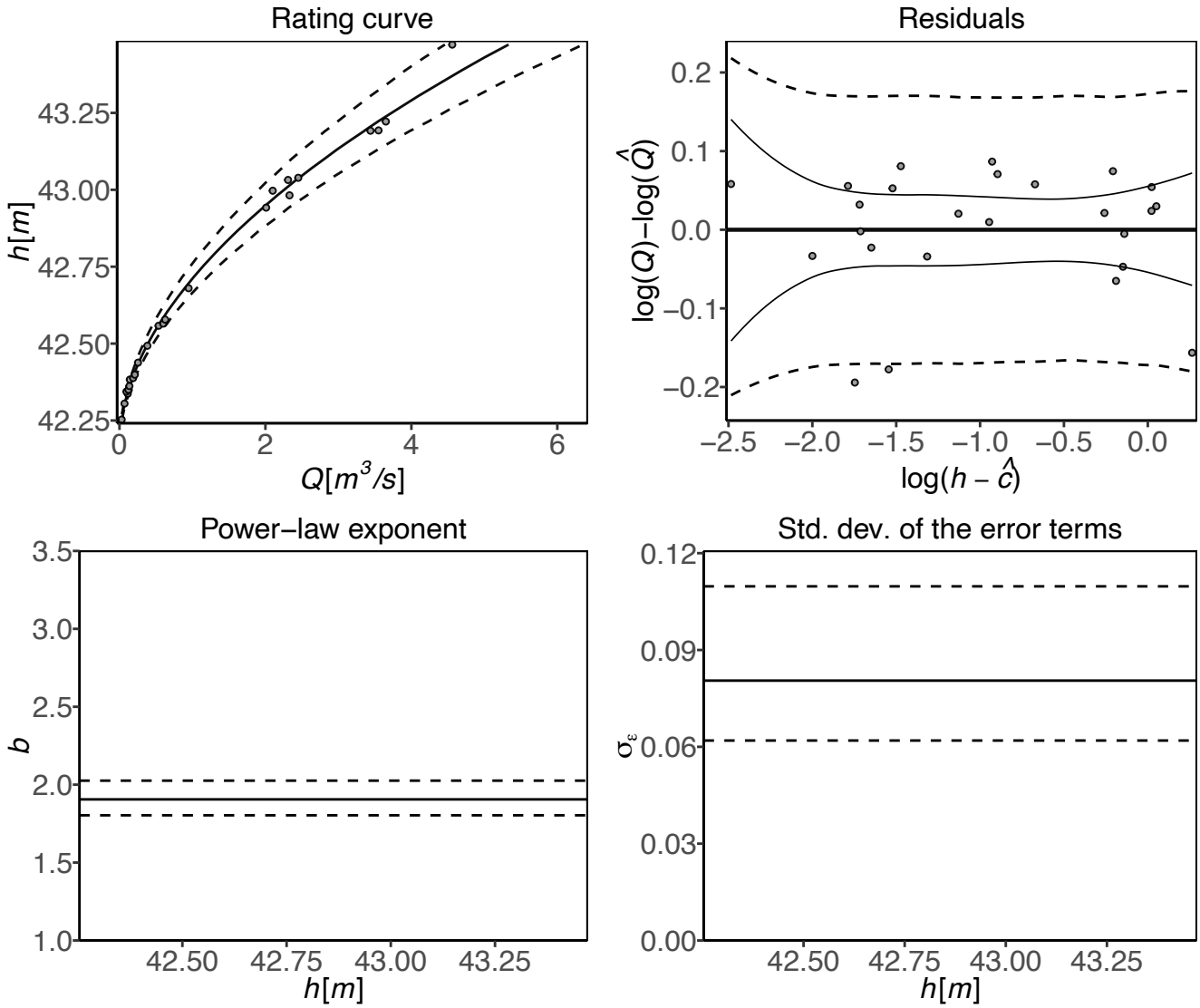
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.20	[3.00; 3.38]	5050	1.00
b	1.84	[1.83; 1.84]	11508	1.00
c	42.17	[42.14; 42.19]	2551	1.00
σ_ε	0.08	[0.06; 0.11]	4302	1.00
σ_β	0.31	[0.07; 0.73]	3363	1.00
ϕ_β	11.06	[0.46; 11347.27]	3029	1.00

Forshultesjön Nedre, Sweden – PLM



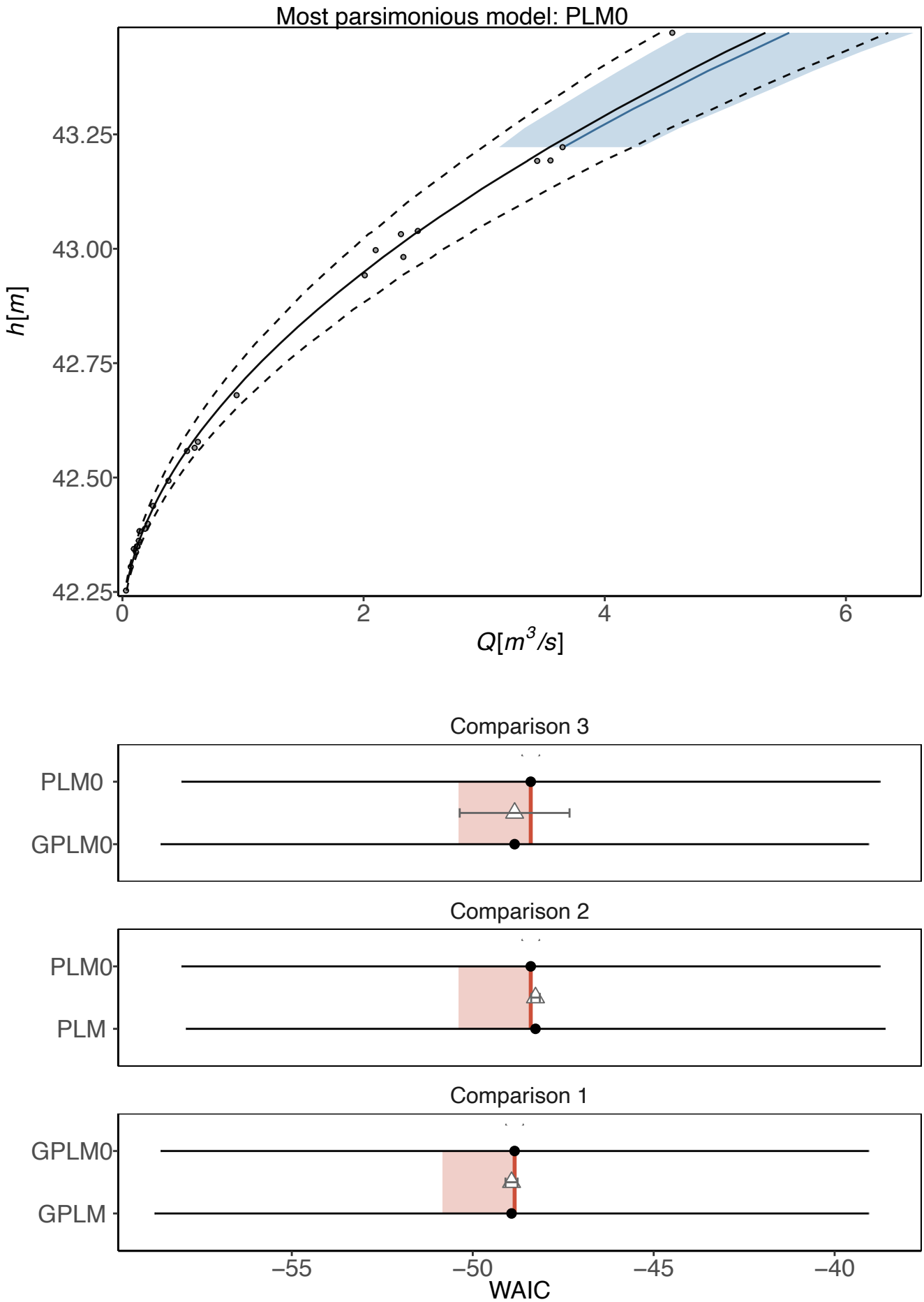
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.21	[3.04; 3.39]	8963	1.00
b	1.91	[1.80; 2.03]	2832	1.00
c	42.17	[42.15; 42.19]	2517	1.00
σ_η	0.08	[0.00; 0.41]	1866	1.00
η_1	–5.03	[–5.60; –4.36]	2482	1.00
η_2	–5.06	[–6.96; –3.11]	2713	1.00
η_3	–5.16	[–7.80; –2.51]	2606	1.00
η_4	–5.20	[–8.34; –1.87]	2829	1.00
η_5	–5.12	[–8.82; –1.31]	2853	1.00
η_6	–4.90	[–9.10; –0.68]	2851	1.00

Forshultesjön Nedre, Sweden – PLM0



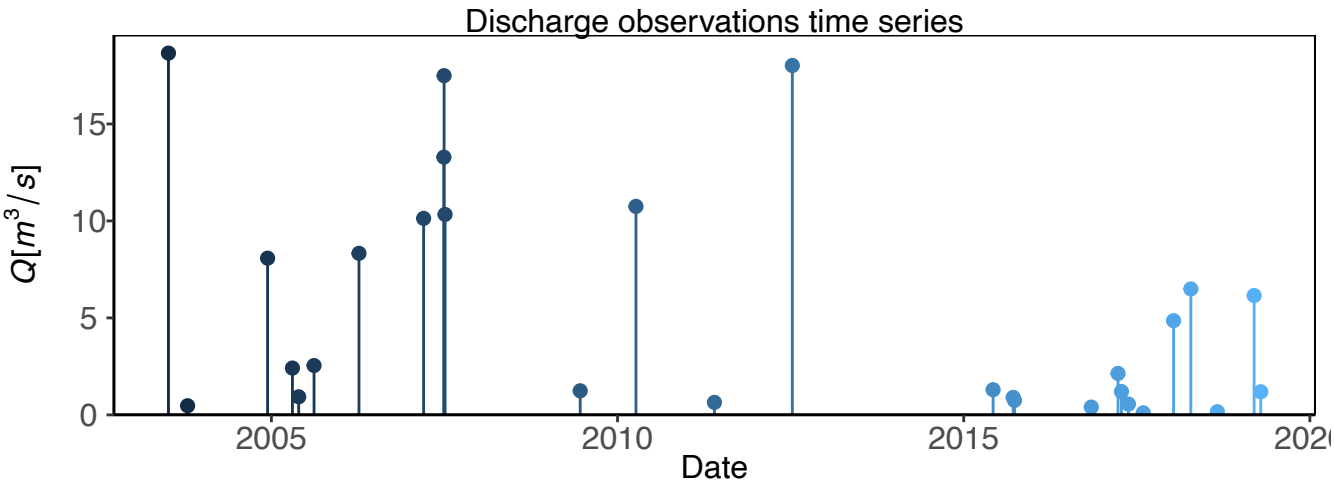
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.21	[3.04; 3.39]	15707	1.00
b	1.91	[1.80; 2.03]	10771	1.00
c	42.17	[42.15; 42.18]	9699	1.00
σ_ε	0.08	[0.06; 0.11]	9265	1.00

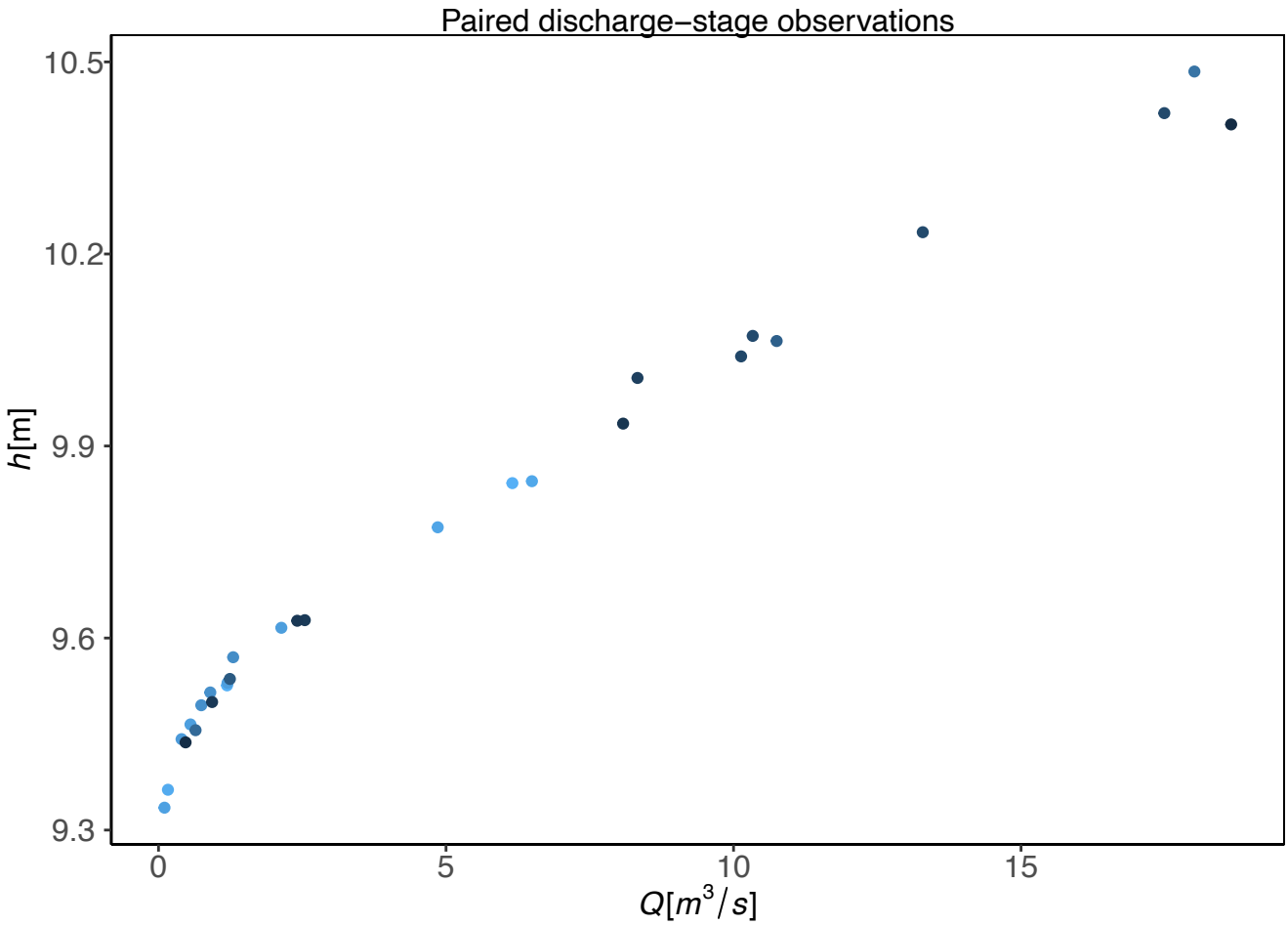
Power−law tournament results for Forshultesjön Nedre, Sweden



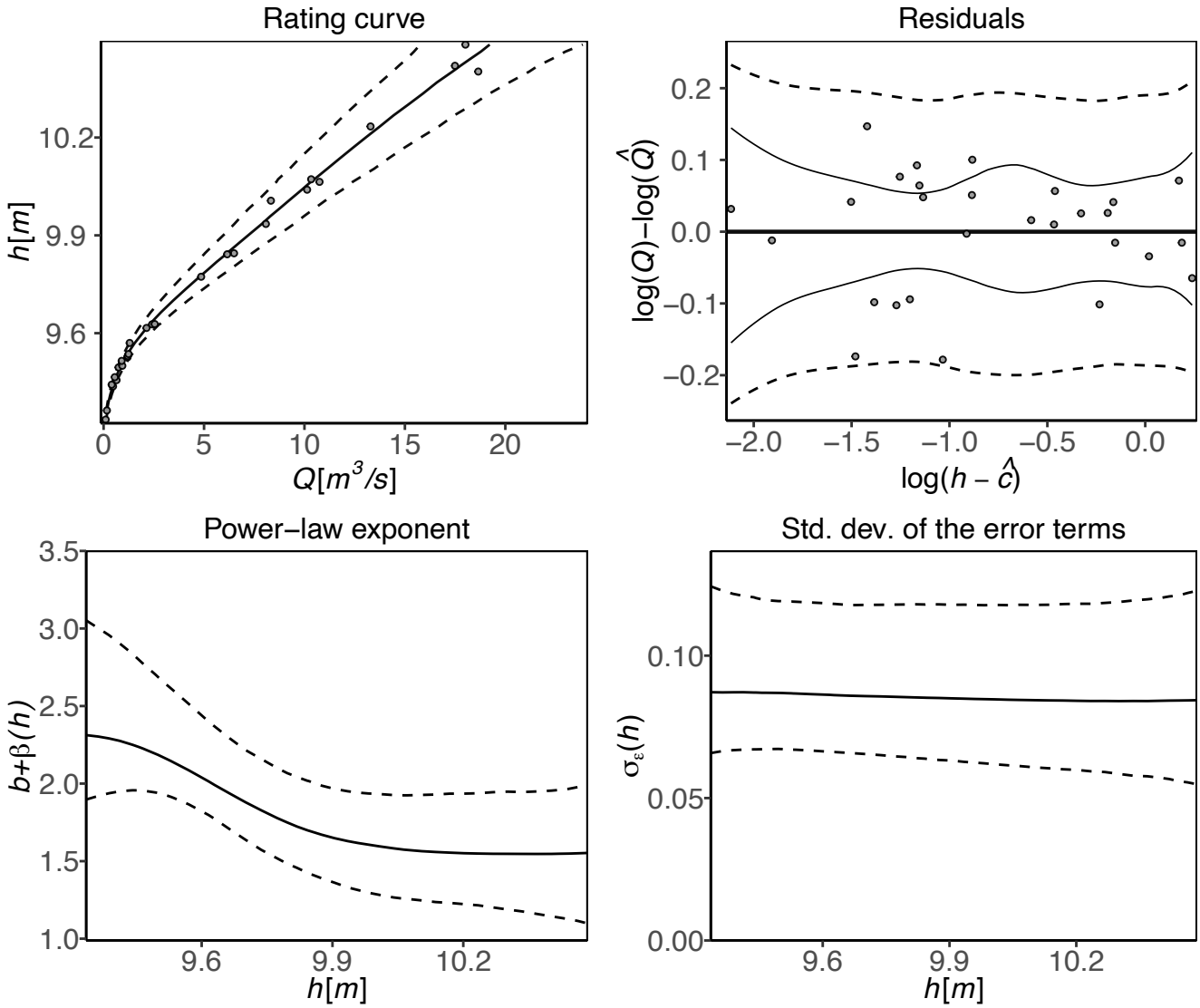
Station name:	Brusafors
Location:	Sweden
Station number:	1622
Number of observations:	28
Start date:	2003–07–08
End date:	2019–04–17
Max. discharge (m^3/s):	18.7
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.71
GPLM0	1.79	0.29
PLM	24.63	0.00
PLM0	24.63	0.00



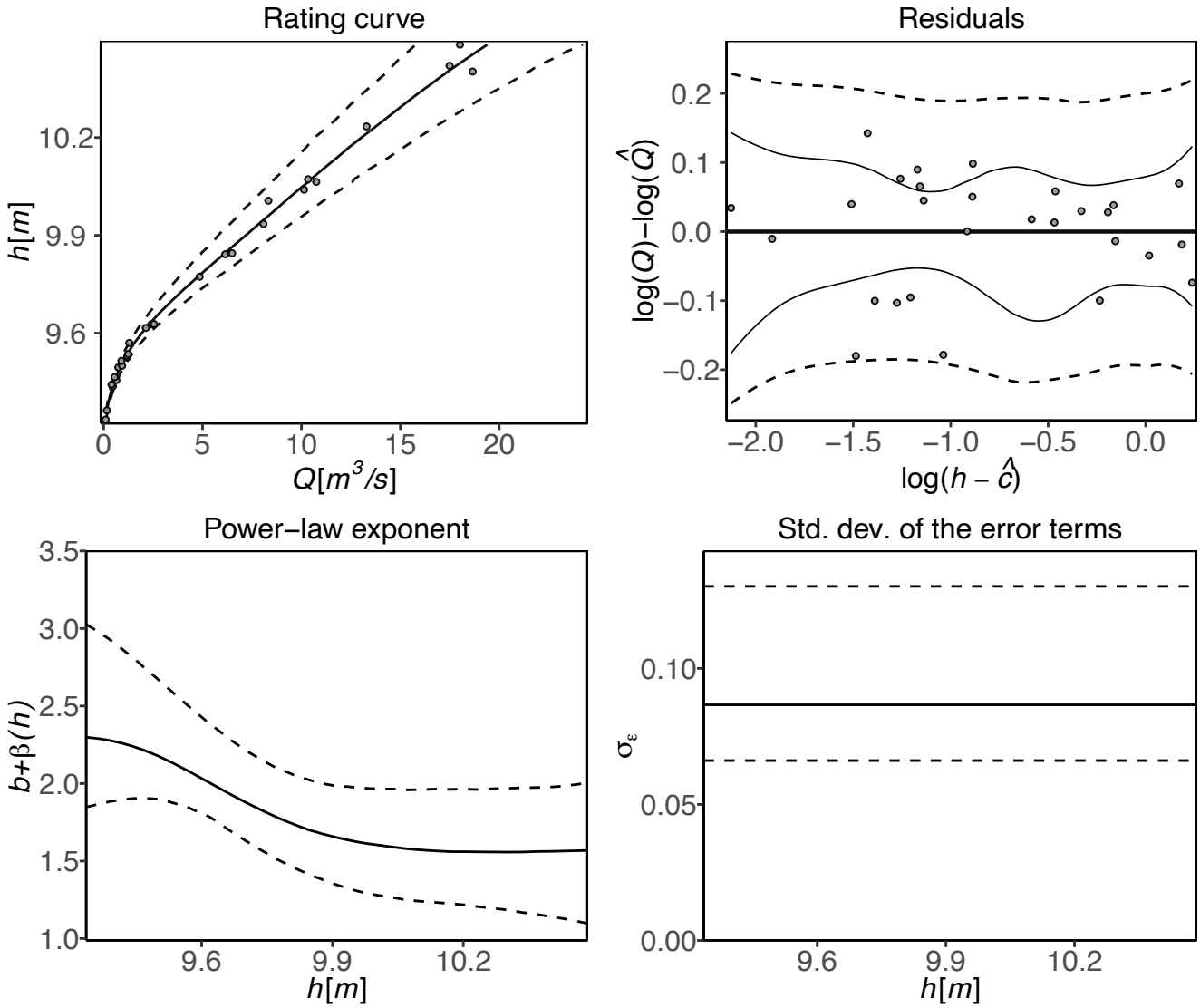


Brusafors, Sweden – GPLM



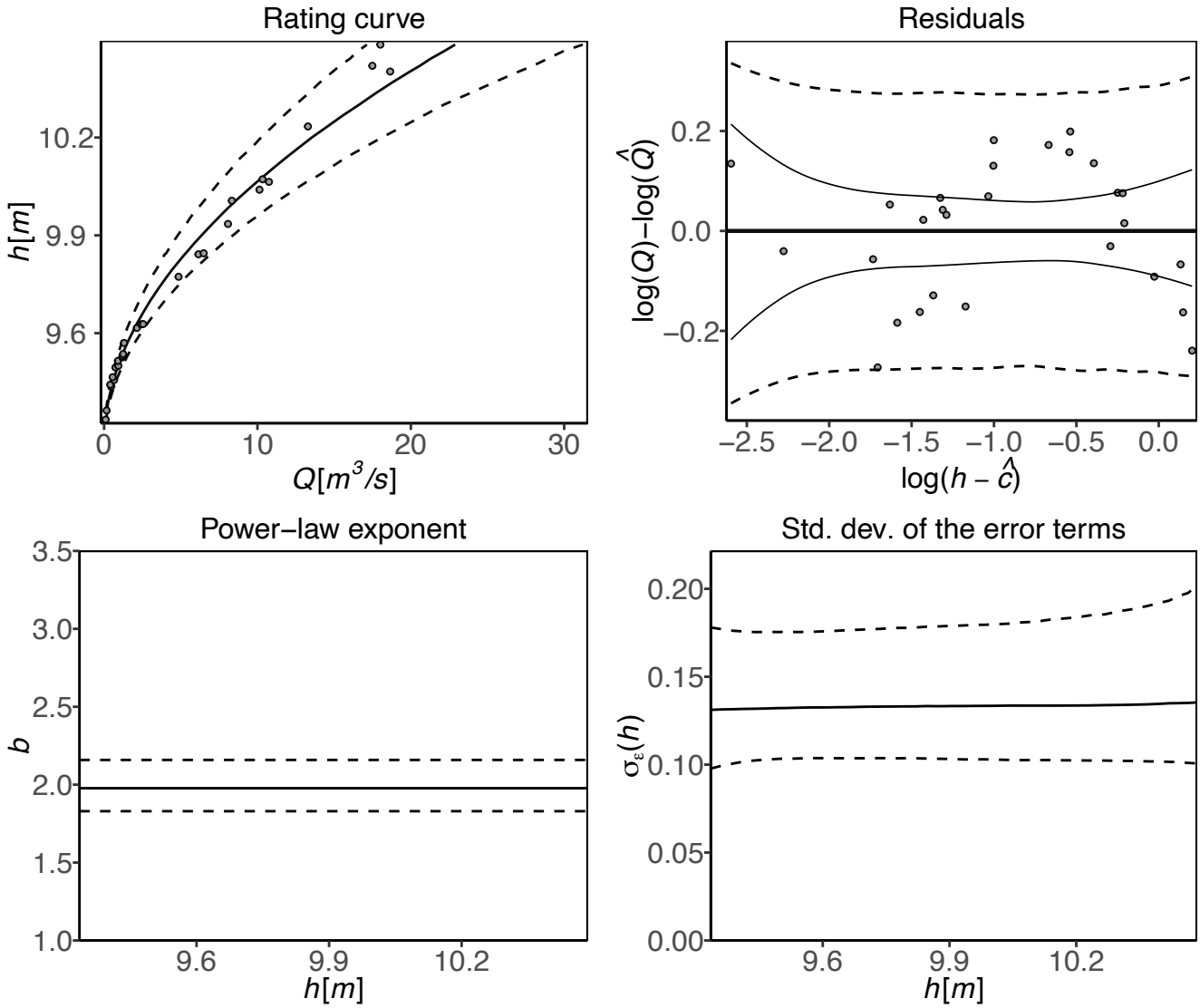
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	13.32	[11.27; 14.87]	2563	1.00
b	1.84	[1.83; 1.84]	10107	1.00
c	9.21	[9.12; 9.26]	2077	1.00
σ_β	0.41	[0.17; 0.99]	2494	1.00
ϕ_β	0.58	[0.23; 1.65]	2031	1.00
σ_η	0.08	[0.00; 0.44]	1566	1.01
η_1	–4.88	[–5.44; –4.17]	1920	1.00
η_2	–4.86	[–6.76; –2.98]	2138	1.00
η_3	–5.10	[–7.63; –2.40]	2496	1.00
η_4	–5.29	[–8.49; –1.84]	2355	1.00
η_5	–5.38	[–9.01; –1.50]	2411	1.00
η_6	–5.36	[–9.50; –1.12]	2331	1.00

Brusafors, Sweden – GPLM0



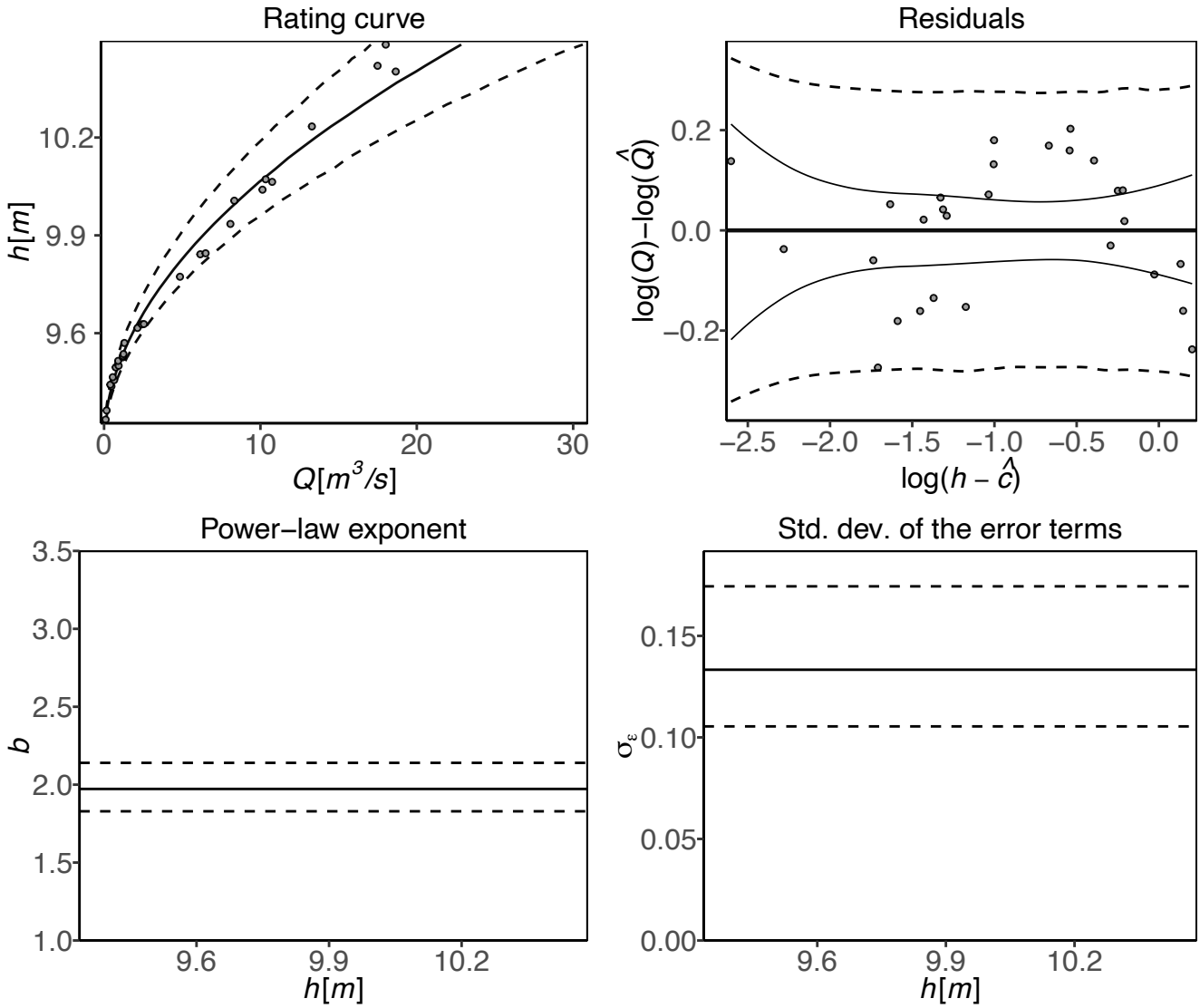
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	13.35	[11.32; 15.14]	3683	1.01
b	1.84	[1.83; 1.84]	12615	1.00
c	9.22	[9.12; 9.27]	3044	1.02
σ_ε	0.09	[0.07; 0.13]	2046	1.04
σ_β	0.64	[0.35; 0.99]	1480	1.04
ϕ_β	0.59	[0.23; 30.32]	855	1.11

Brusafors, Sweden – PLM



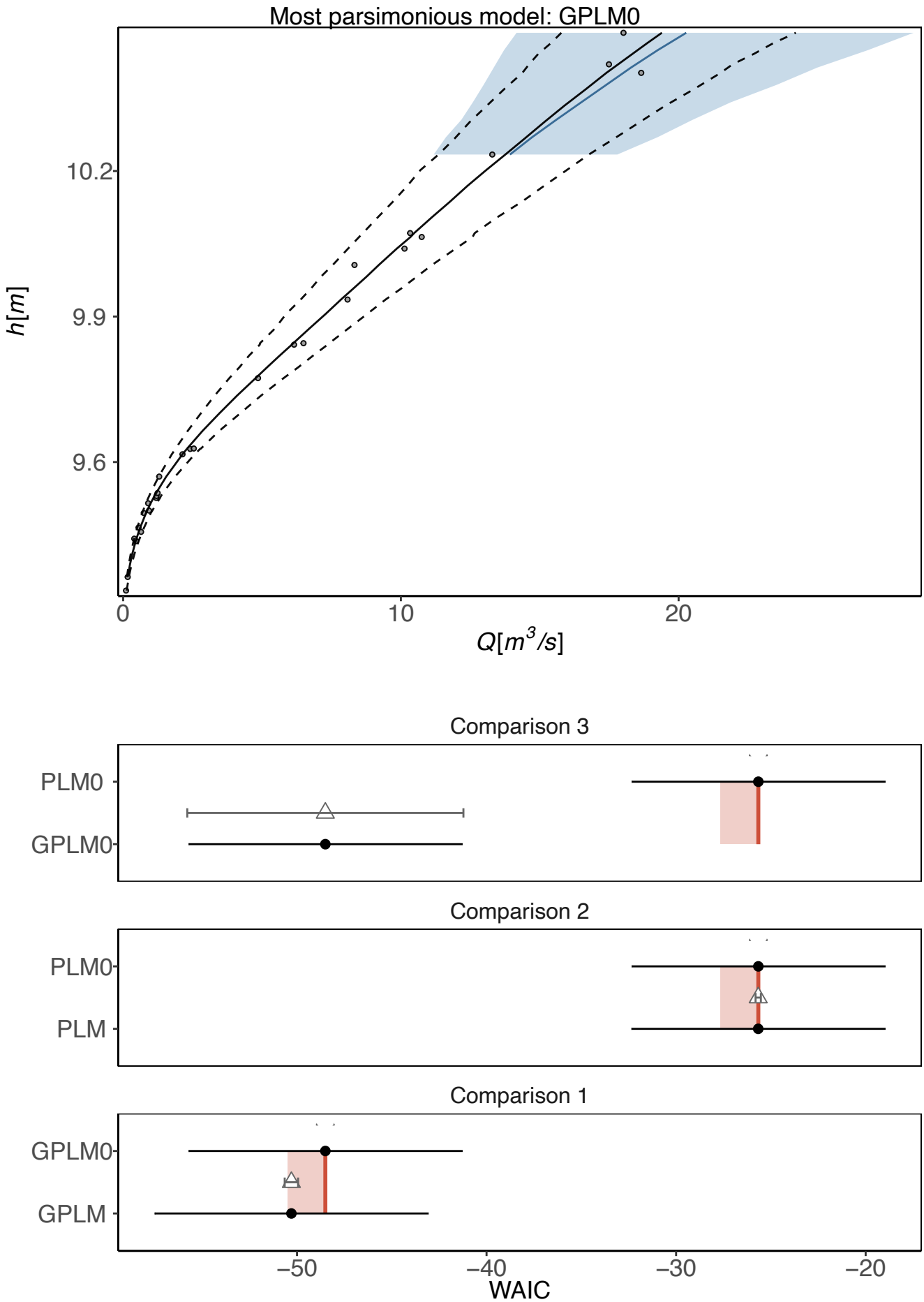
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	15.32	[14.05; 16.72]	8958	1.00
b	1.98	[1.83; 2.16]	2848	1.00
c	9.26	[9.24; 9.28]	2439	1.00
σ_η	0.08	[0.00; 0.42]	1751	1.00
η_1	–4.06	[–4.65; –3.45]	2362	1.00
η_2	–3.93	[–5.84; –2.12]	2737	1.00
η_3	–3.85	[–6.50; –1.30]	2811	1.00
η_4	–3.87	[–7.19; –0.72]	2699	1.00
η_5	–3.81	[–7.60; –0.15]	2689	1.00
η_6	–3.66	[–7.93; 0.48]	2750	1.00

Brusafors, Sweden – PLM0



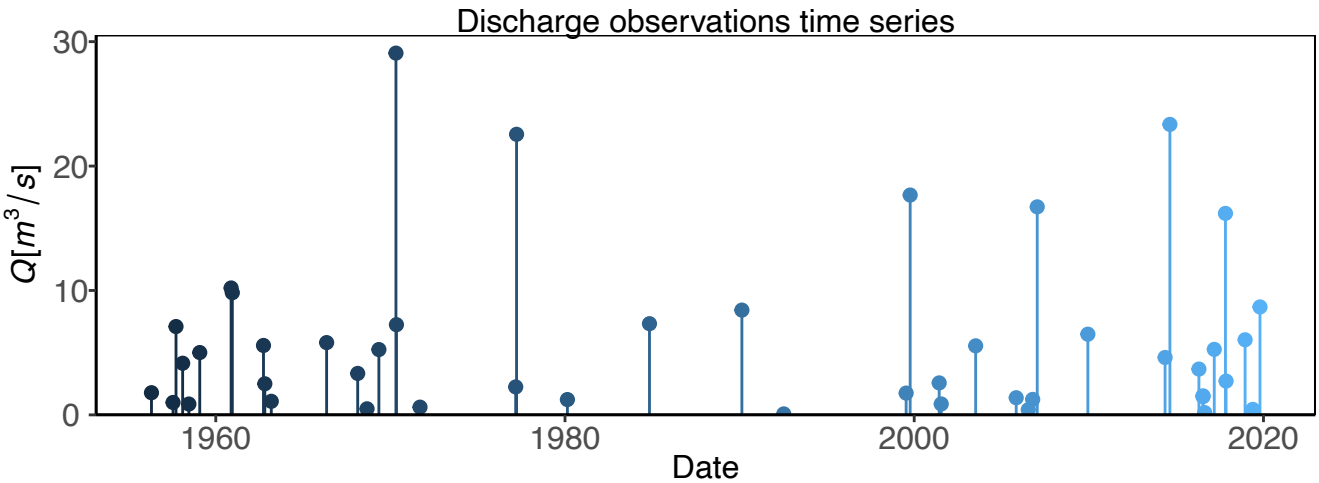
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	15.29	[14.07; 16.60]	16727	1.00
b	1.97	[1.83; 2.14]	10491	1.00
c	9.26	[9.24; 9.28]	9700	1.00
σ_ε	0.13	[0.11; 0.17]	9547	1.00

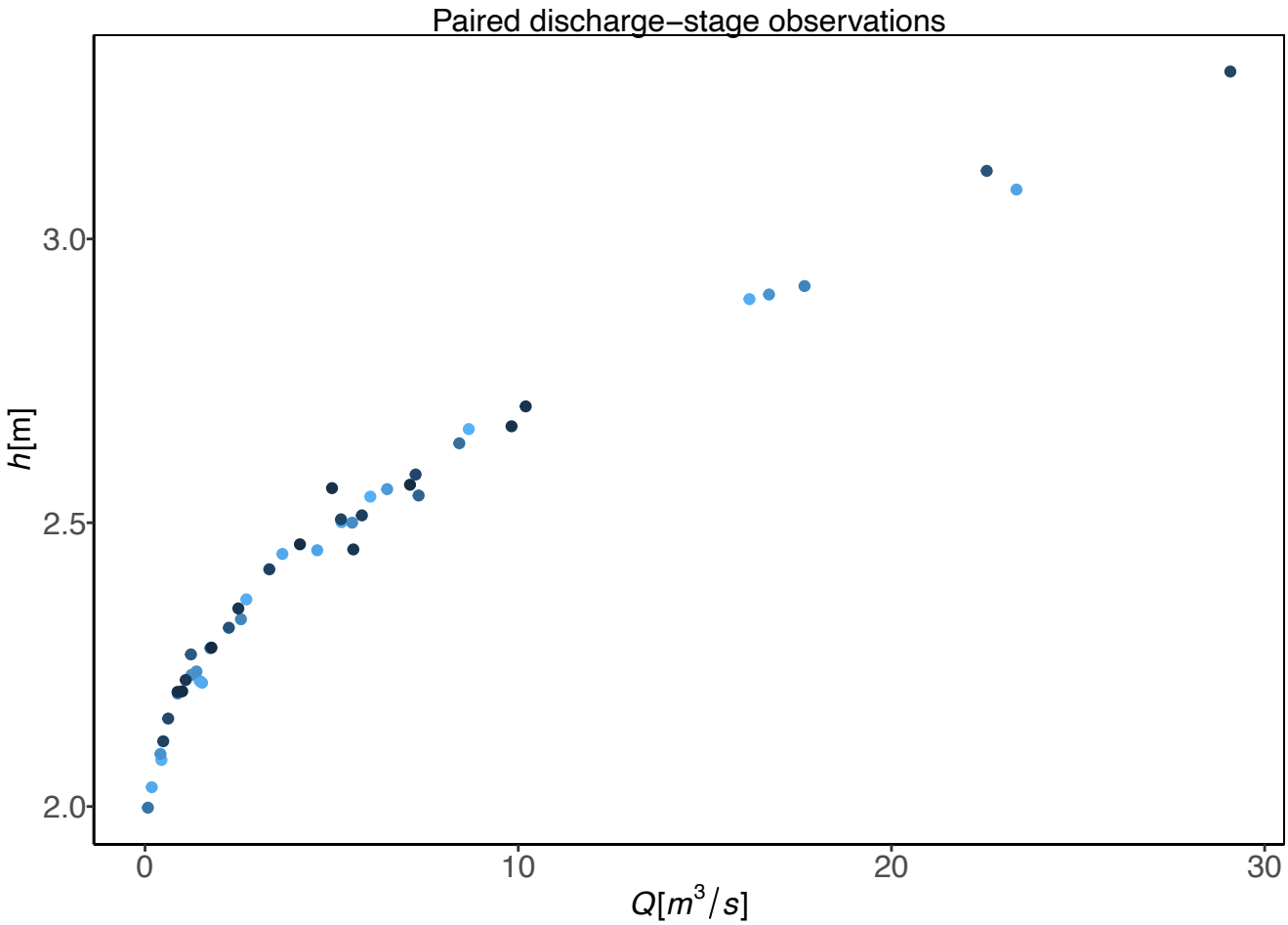
Power−law tournament results for Brusafors, Sweden



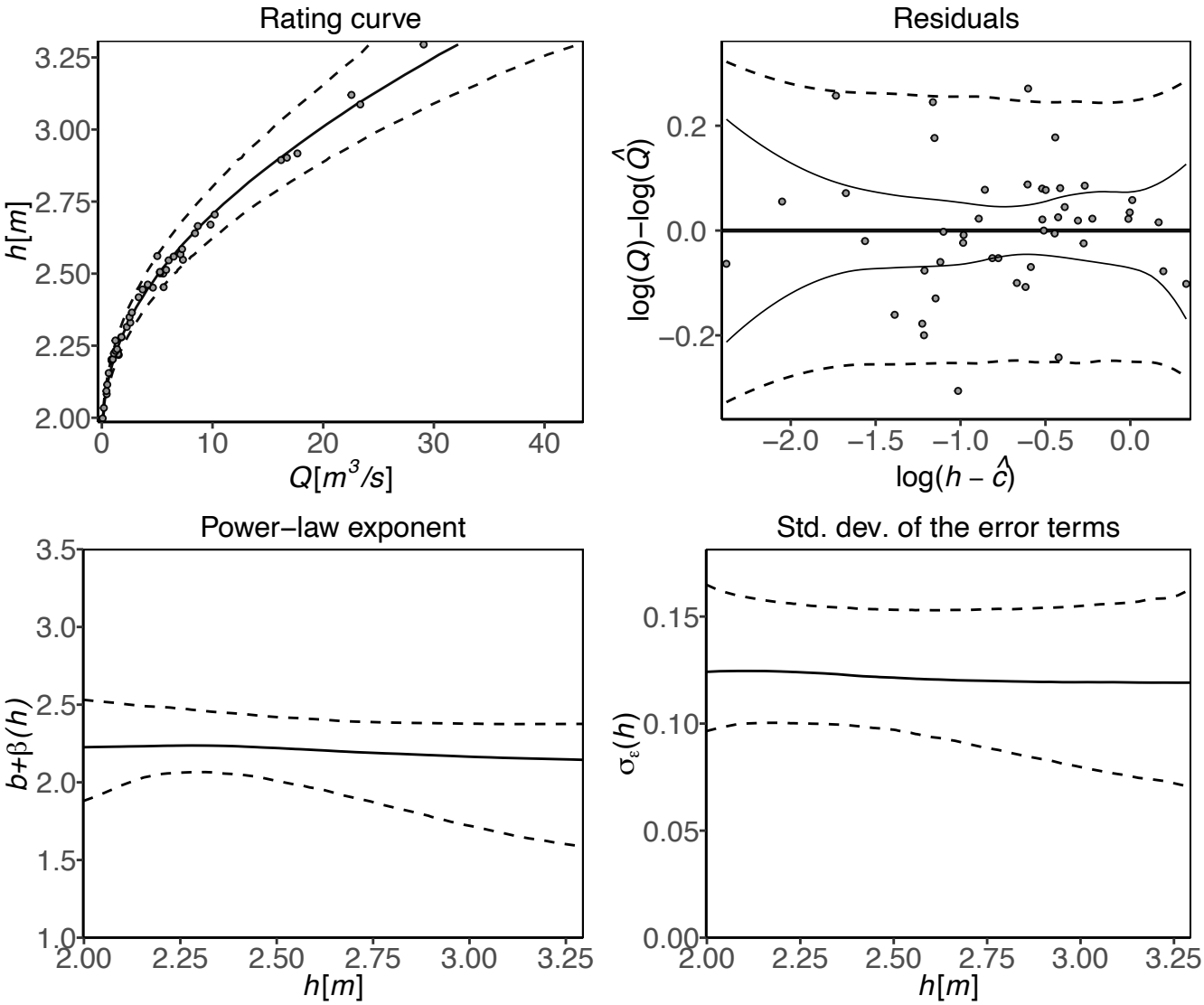
Station name:	Vrångebäcken
Location:	Sweden
Station number:	1623
Number of observations:	46
Start date:	1956–04–26
End date:	2019–10–20
Max. discharge (m^3/s):	29.1
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.27
GPLM0	0.12	0.26
PLM	0.17	0.25
PLM0	0.38	0.22



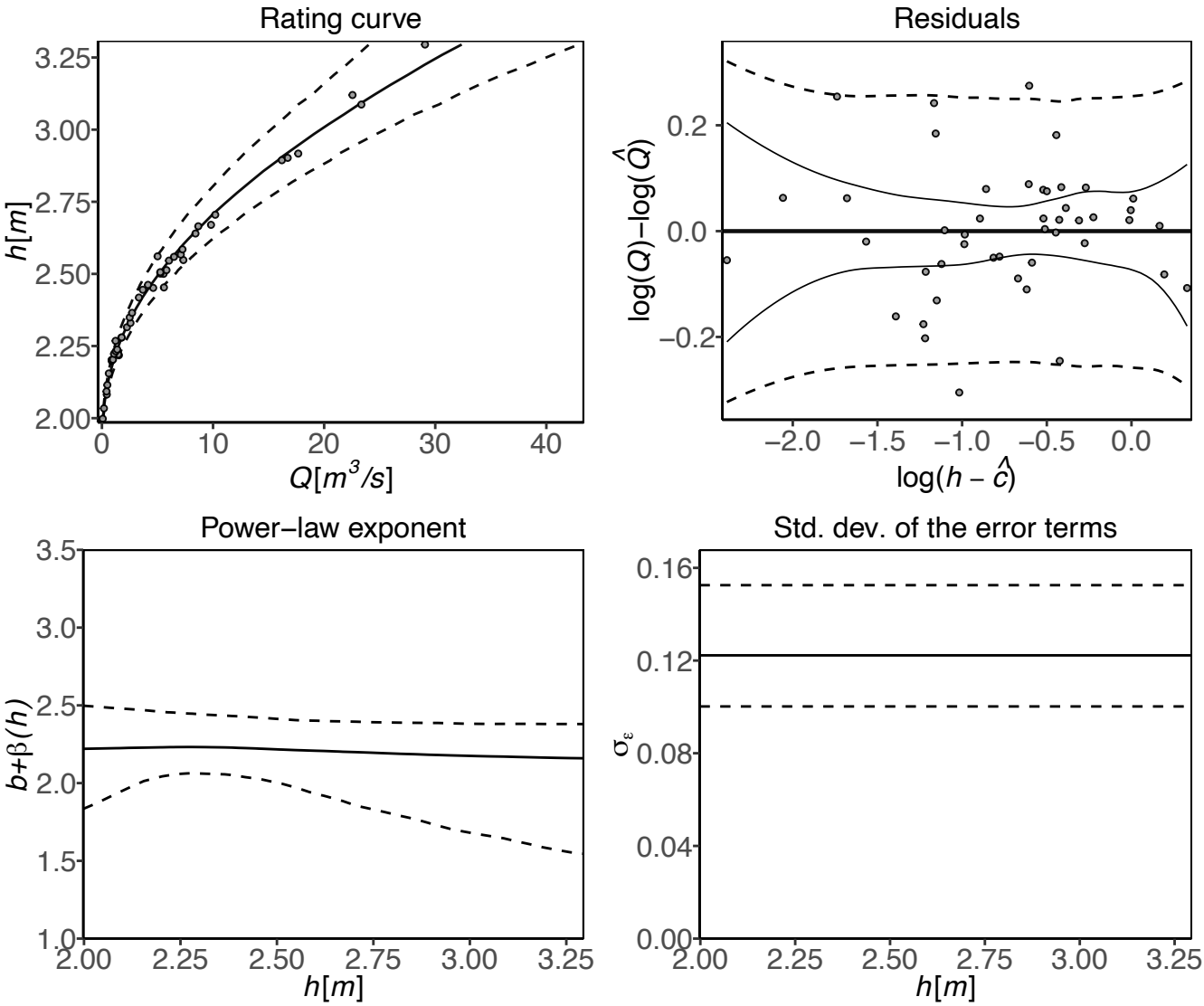


Vrångebäcken, Sweden – GPLM



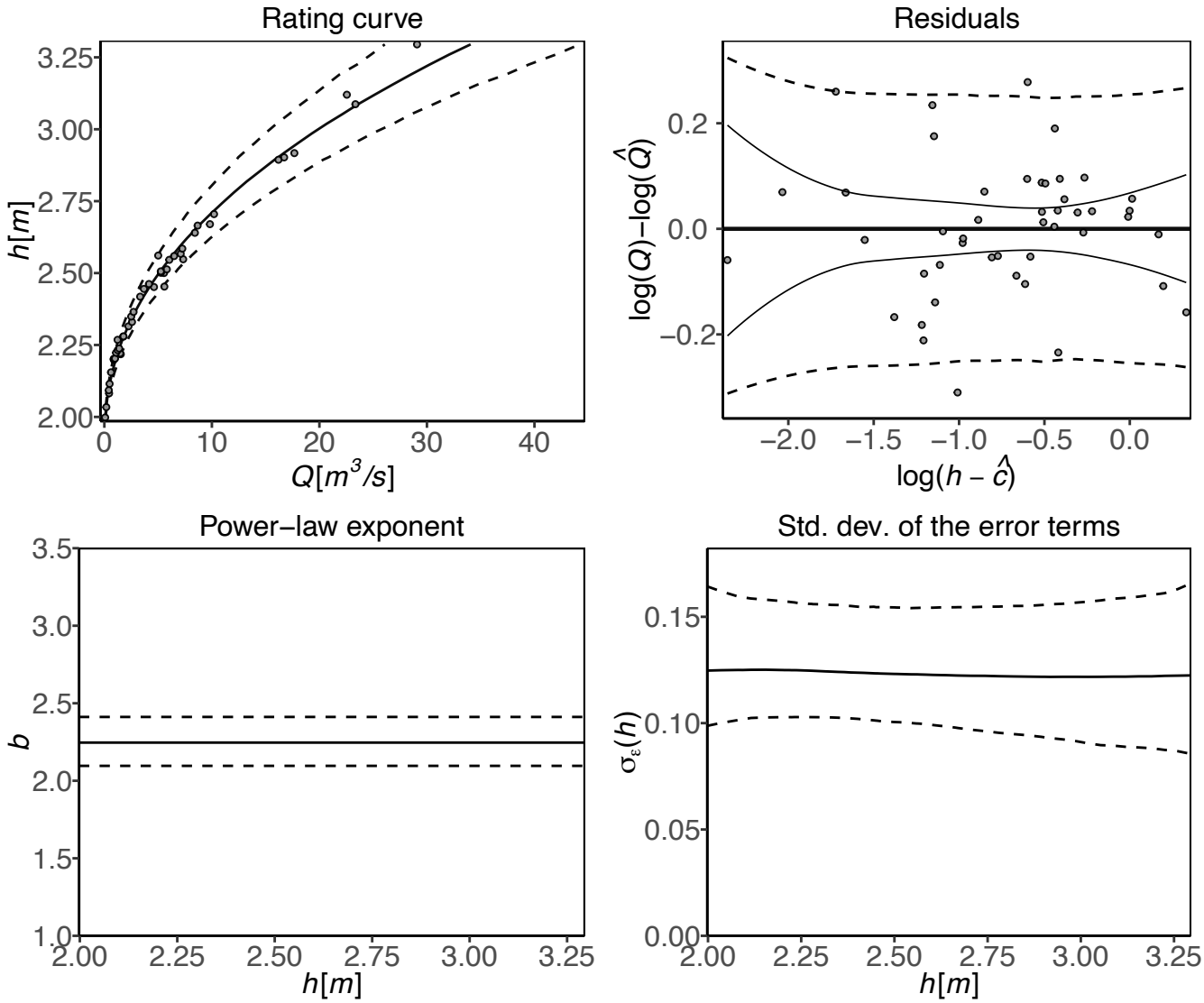
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.16	[14.74; 17.95]	2066	1.00
b	1.84	[1.83; 1.84]	6733	1.00
c	1.91	[1.86; 1.94]	1262	1.00
σ_β	0.32	[0.13; 0.81]	2014	1.00
ϕ_β	4.72	[0.36; 2698.50]	1309	1.00
σ_η	0.09	[0.00; 0.51]	1436	1.01
η_1	–4.17	[–4.68; –3.60]	1592	1.00
η_2	–4.06	[–5.99; –2.27]	1786	1.00
η_3	–4.37	[–7.01; –1.72]	1863	1.00
η_4	–4.58	[–7.74; –1.33]	1920	1.00
η_5	–4.69	[–8.27; –0.85]	1974	1.00
η_6	–4.66	[–8.83; –0.41]	1856	1.00

Vrångebäcken, Sweden – GPLM0



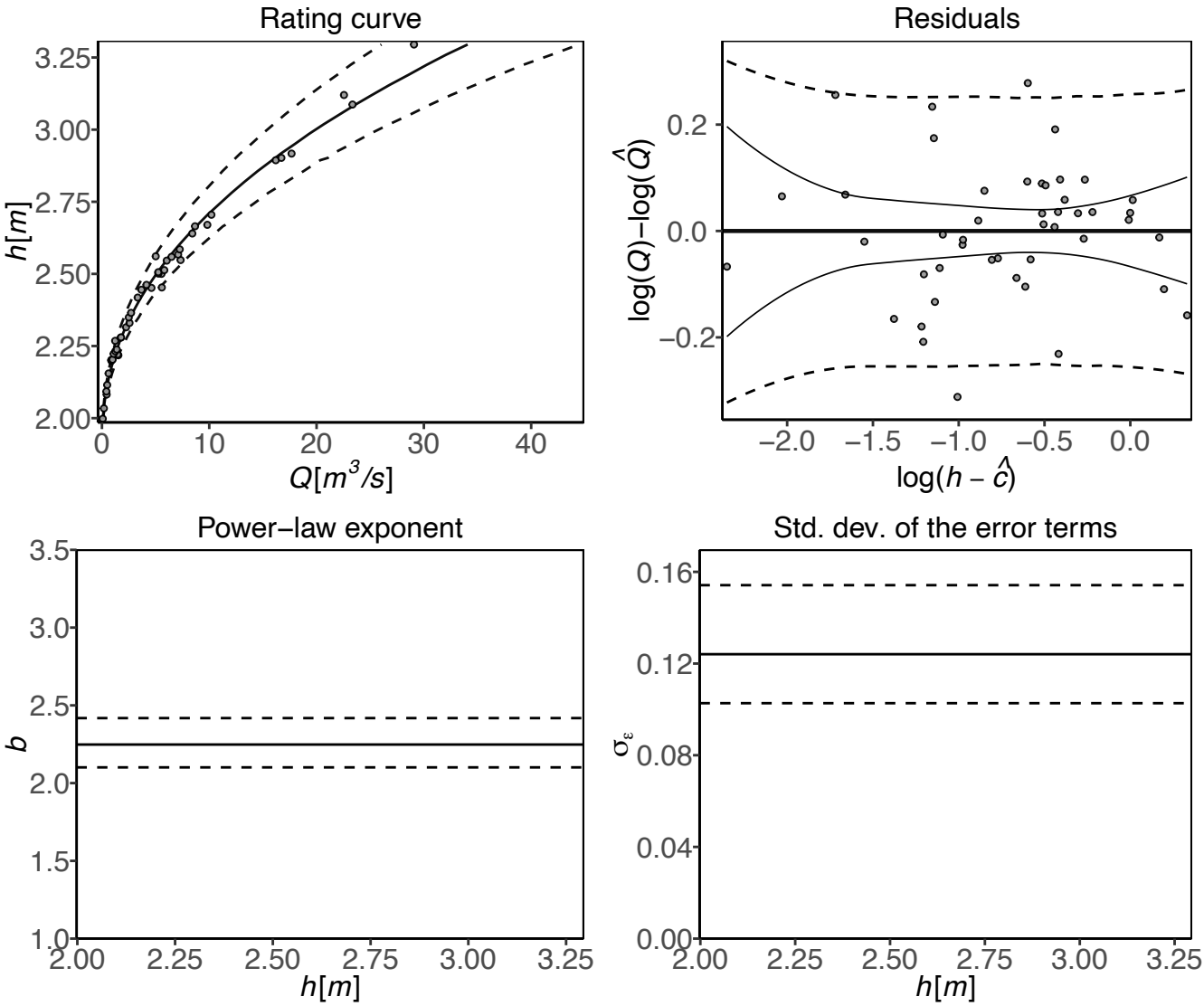
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.19	[14.86; 18.15]	2189	1.01
b	1.84	[1.83; 1.84]	7092	1.00
c	1.91	[1.87; 1.95]	1287	1.01
σ_ε	0.12	[0.10; 0.15]	3048	1.00
σ_β	0.56	[0.37; 0.89]	2999	1.00
ϕ_β	5.96	[0.32; 5007.77]	2415	1.00

Vrångebäcken, Sweden – PLM



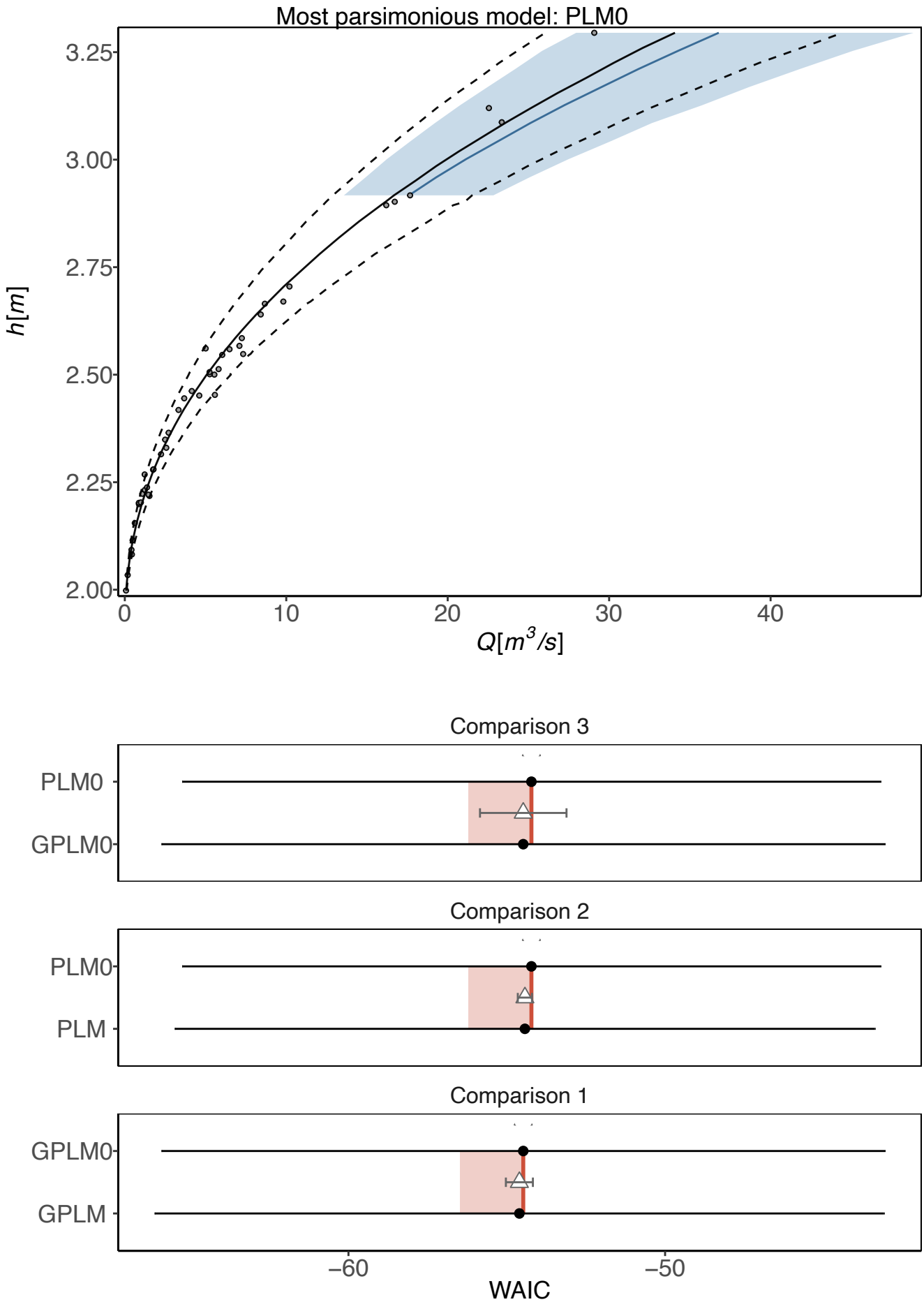
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.17	[15.15; 17.19]	7289	1.00
b	2.25	[2.10; 2.41]	2894	1.00
c	1.90	[1.88; 1.92]	2581	1.00
σ_η	0.08	[0.00; 0.43]	1711	1.00
η_1	–4.16	[–4.63; –3.61]	2088	1.00
η_2	–4.10	[–5.99; –2.31]	2591	1.00
η_3	–4.31	[–6.89; –1.71]	3001	1.00
η_4	–4.54	[–7.72; –1.24]	2661	1.00
η_5	–4.56	[–8.18; –0.75]	2701	1.00
η_6	–4.47	[–8.53; –0.34]	2799	1.00

Vrångebäcken, Sweden – PLM0



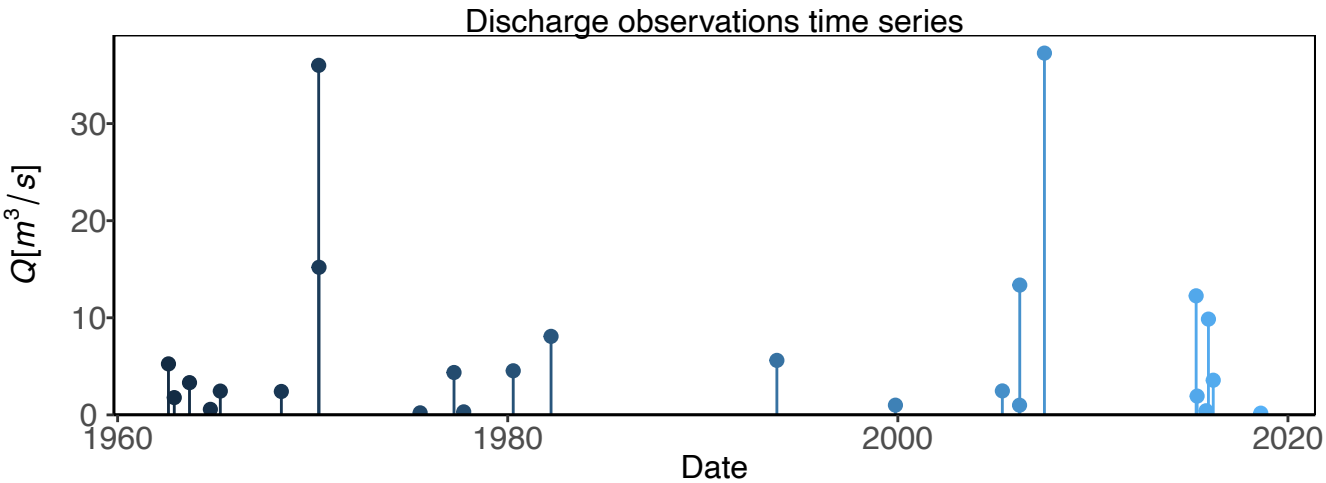
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.14	[15.15; 17.16]	15032	1.00
b	2.25	[2.10; 2.42]	10425	1.00
c	1.90	[1.88; 1.92]	9820	1.00
σ_ε	0.12	[0.10; 0.15]	9133	1.00

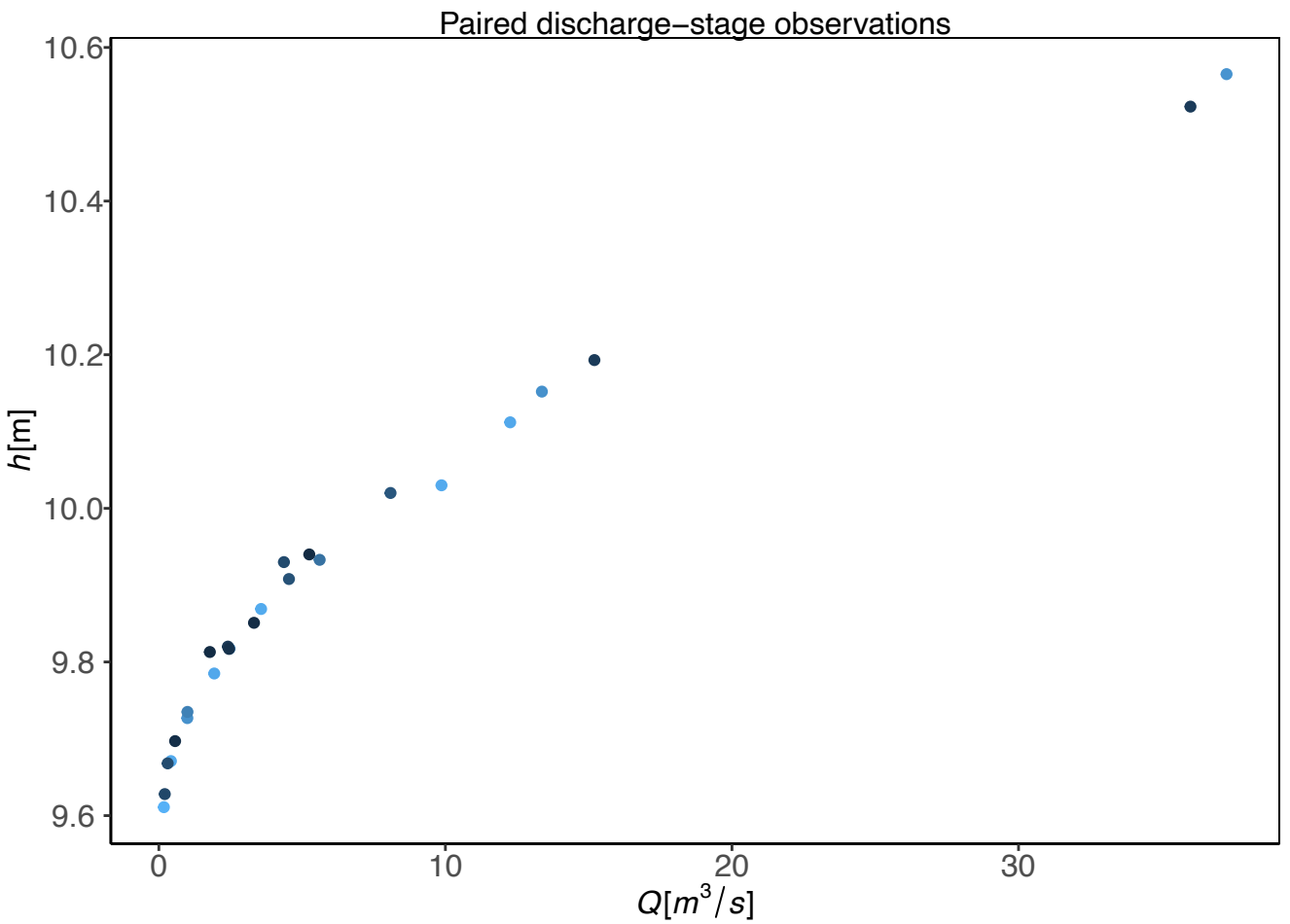
Power−law tournament results for Vrångebäcken, Sweden



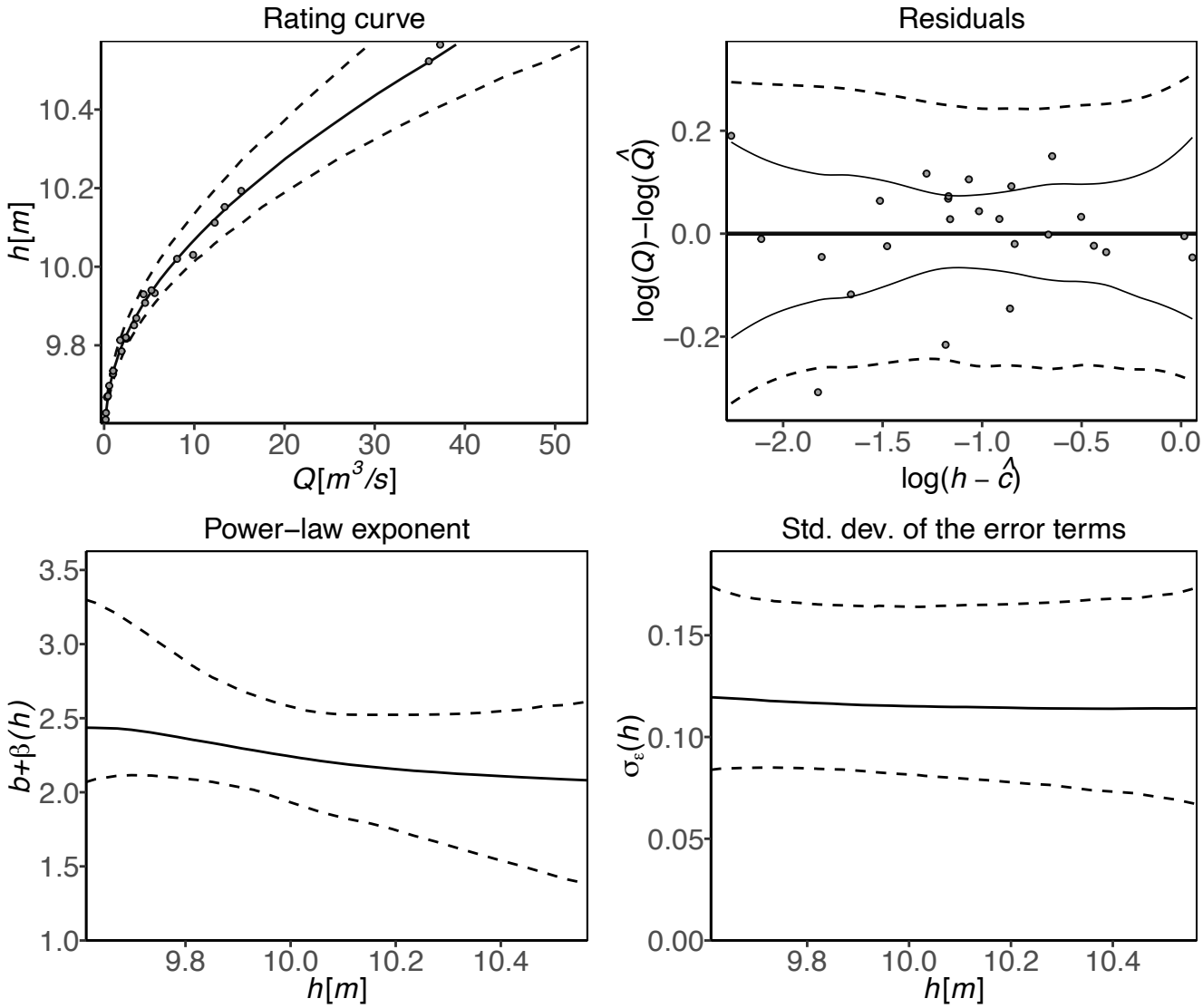
Station name:	Klippan 2
Location:	Sweden
Station number:	1635
Number of observations:	25
Start date:	1962–08–10
End date:	2018–08–10
Max. discharge (m^3/s):	37.3
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.53
GPLM0	0.58	0.40
PLM	5.21	0.04
PLM0	5.34	0.04



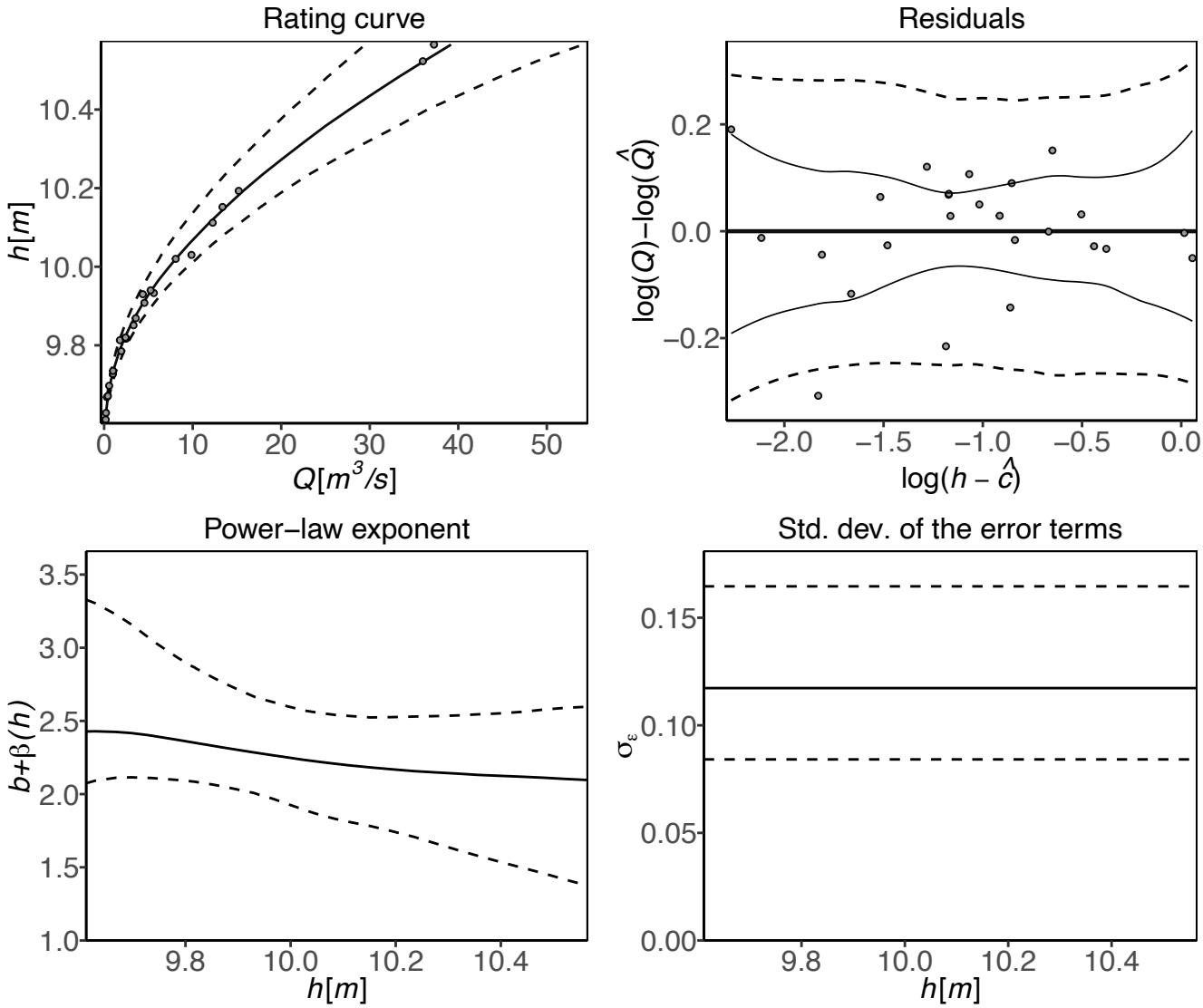


Klippan 2, Sweden – GPLM



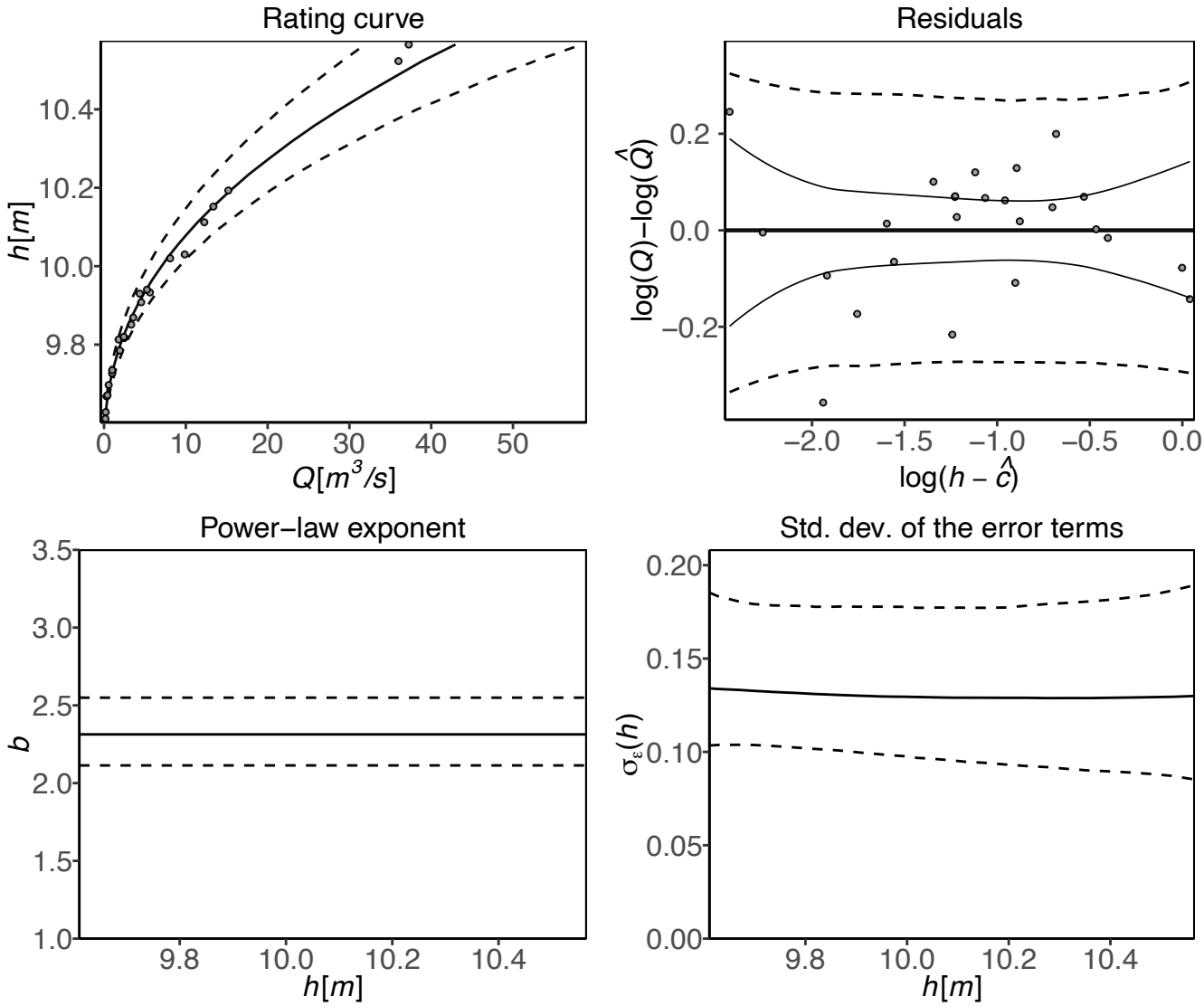
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	34.79	[26.07; 42.13]	1507	1.01
b	1.84	[1.83; 1.84]	9985	1.00
c	9.51	[9.40; 9.55]	1445	1.01
σ_β	0.43	[0.17; 1.05]	1860	1.01
ϕ_β	1.08	[0.21; 678.92]	803	1.05
σ_η	0.08	[0.00; 0.46]	1409	1.00
η_1	–4.25	[–4.96; –3.50]	1544	1.01
η_2	–4.35	[–6.28; –2.47]	2220	1.00
η_3	–4.57	[–7.23; –1.80]	2290	1.00
η_4	–4.72	[–8.12; –1.22]	2305	1.00
η_5	–4.73	[–8.66; –0.72]	2401	1.00
η_6	–4.77	[–9.02; –0.37]	2444	1.00

Klippan 2, Sweden – GPLM0



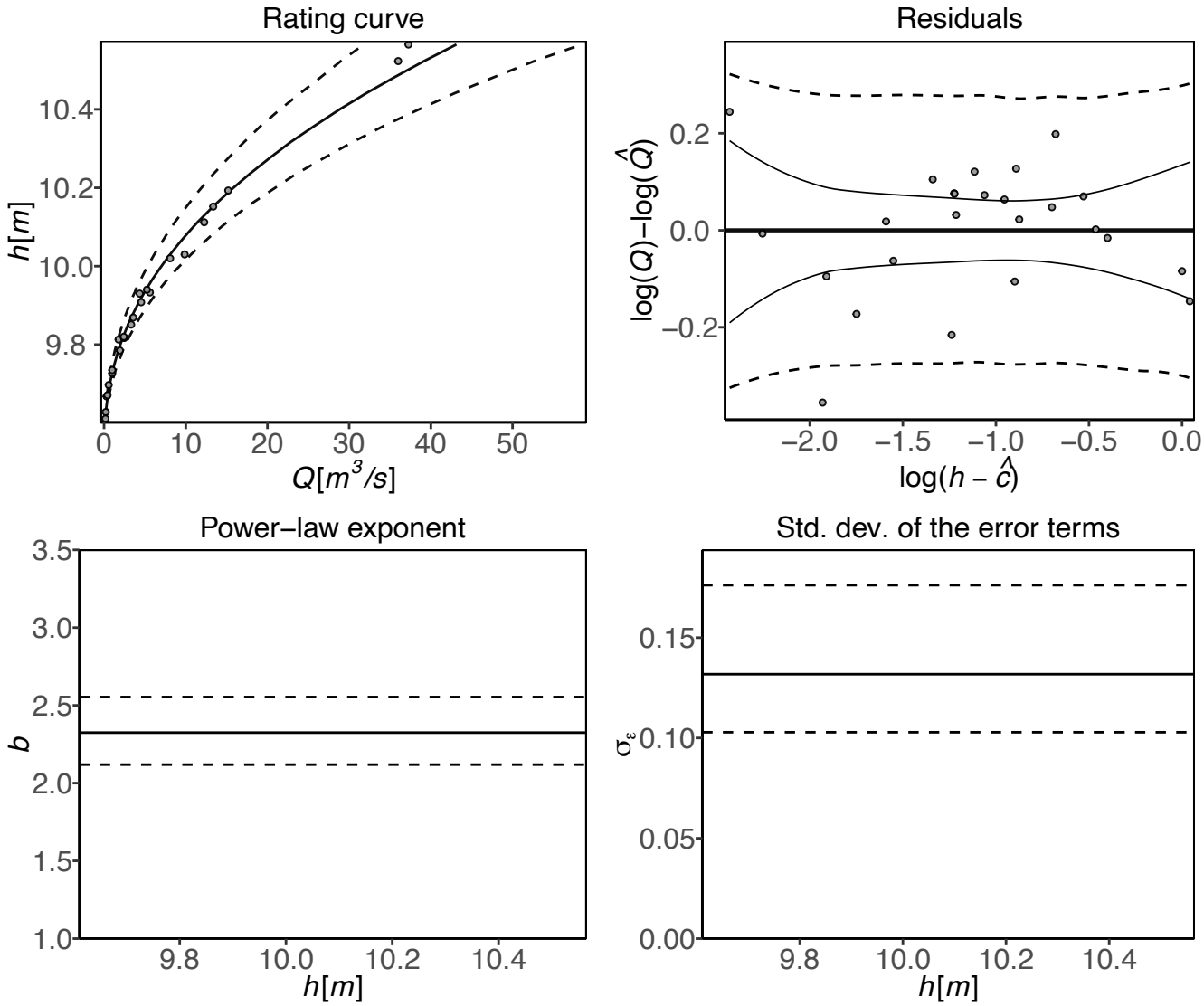
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	34.78	[26.12; 42.02]	2140	1.00
b	1.84	[1.83; 1.84]	11825	1.00
c	9.51	[9.40; 9.54]	2323	1.00
σ_ε	0.12	[0.08; 0.16]	2760	1.00
σ_β	0.66	[0.42; 1.04]	3558	1.00
ϕ_β	1.11	[0.21; 1429.42]	874	1.01

Klippan 2, Sweden – PLM



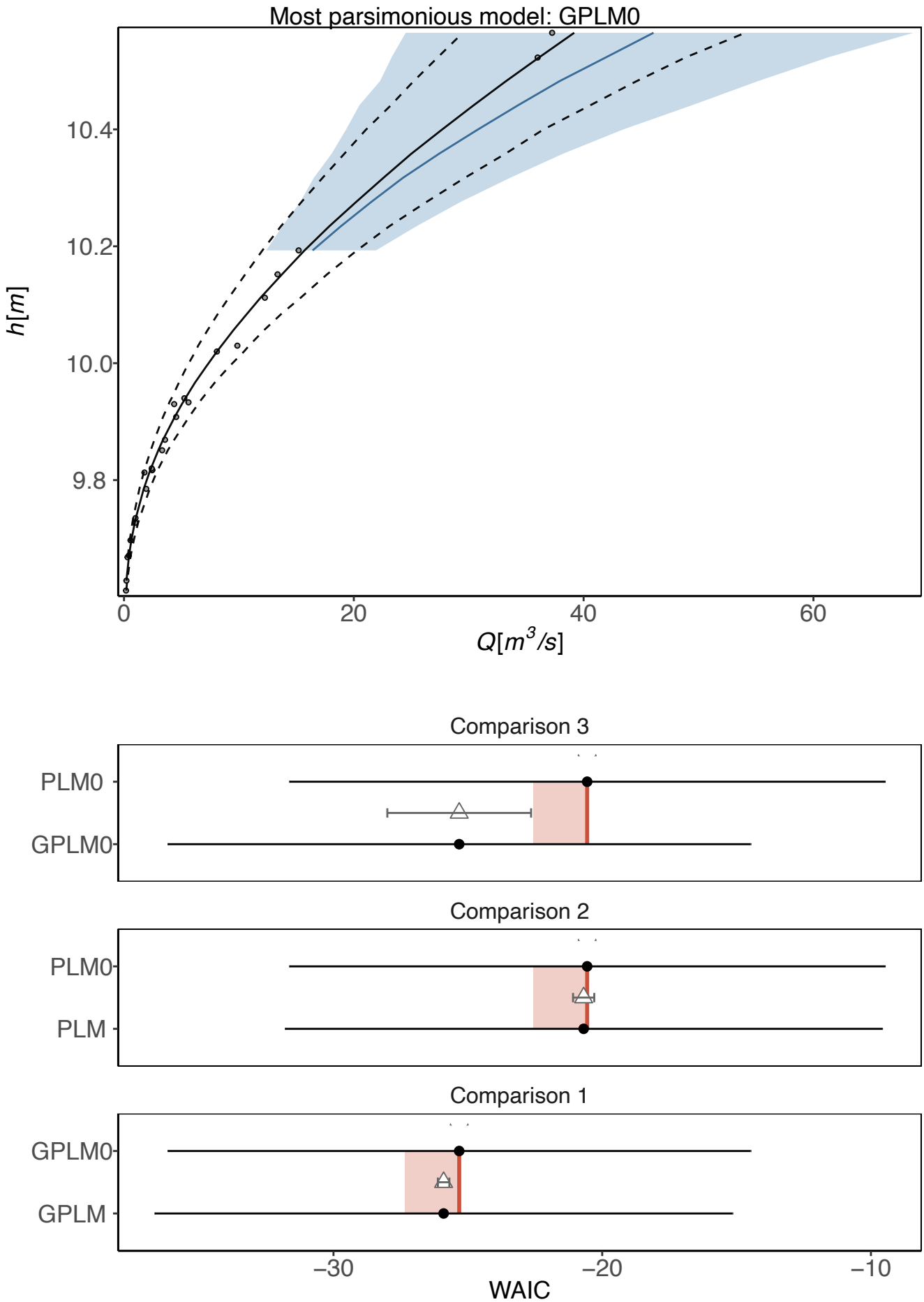
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	39.10	[34.86; 43.63]	8549	1.00
b	2.31	[2.11; 2.55]	2782	1.00
c	9.52	[9.50; 9.54]	2466	1.00
σ_η	0.08	[0.00; 0.45]	1910	1.00
η_1	–4.02	[–4.54; –3.37]	2564	1.00
η_2	–4.16	[–5.96; –2.24]	2833	1.00
η_3	–4.37	[–6.92; –1.61]	2863	1.00
η_4	–4.48	[–7.61; –1.01]	2891	1.00
η_5	–4.43	[–8.08; –0.57]	2728	1.00
η_6	–4.36	[–8.51; –0.07]	2828	1.00

Klippan 2, Sweden – PLM0



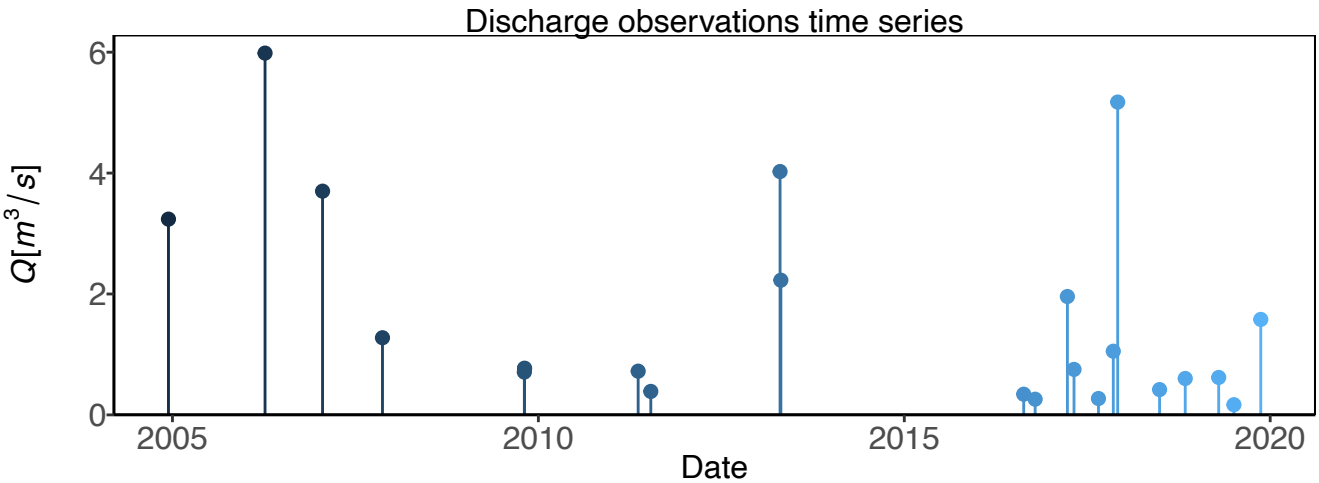
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	39.08	[34.87; 43.70]	16106	1.00
b	2.32	[2.12; 2.55]	10393	1.00
c	9.52	[9.50; 9.54]	9528	1.00
σ_ε	0.13	[0.10; 0.18]	8575	1.00

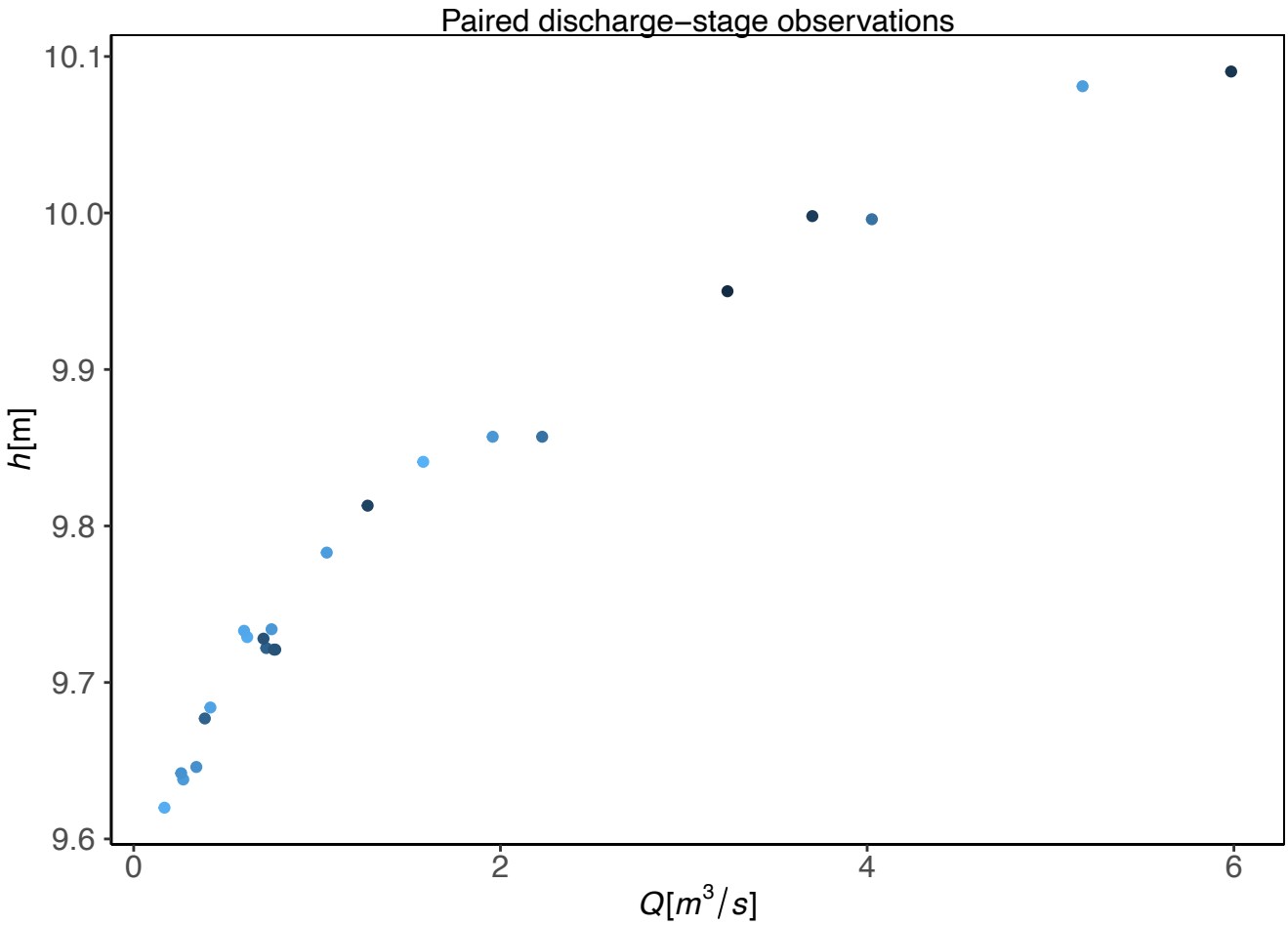
Power−law tournament results for Klippan 2, Sweden



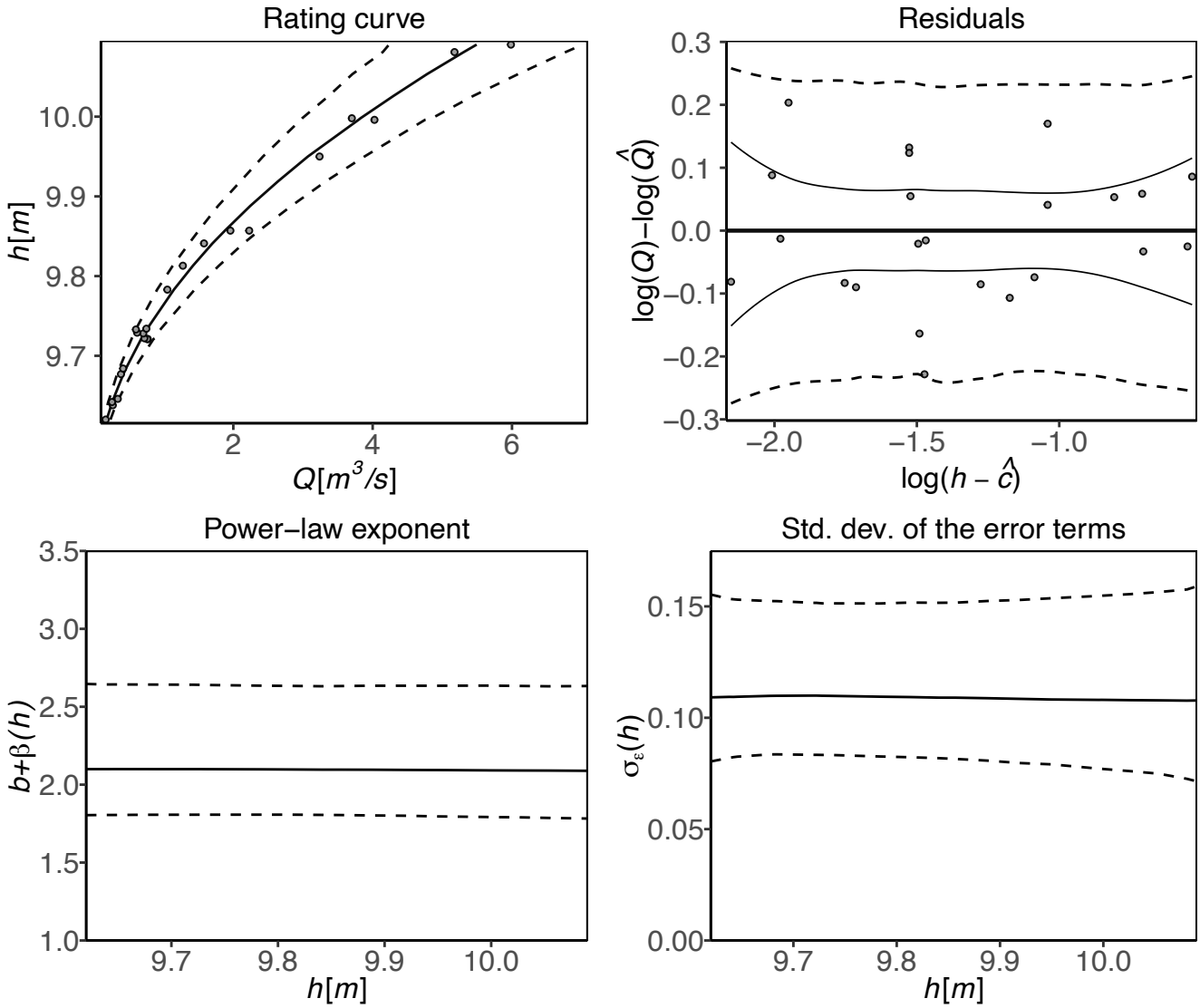
Station name:	Törnestorp
Location:	Sweden
Station number:	1639
Number of observations:	23
Start date:	2004–12–12
End date:	2019–11–15
Max. discharge (m^3/s):	6
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	1.57	0.16
GPLM0	1.52	0.16
PLM	0.08	0.33
PLM0	0.00	0.35



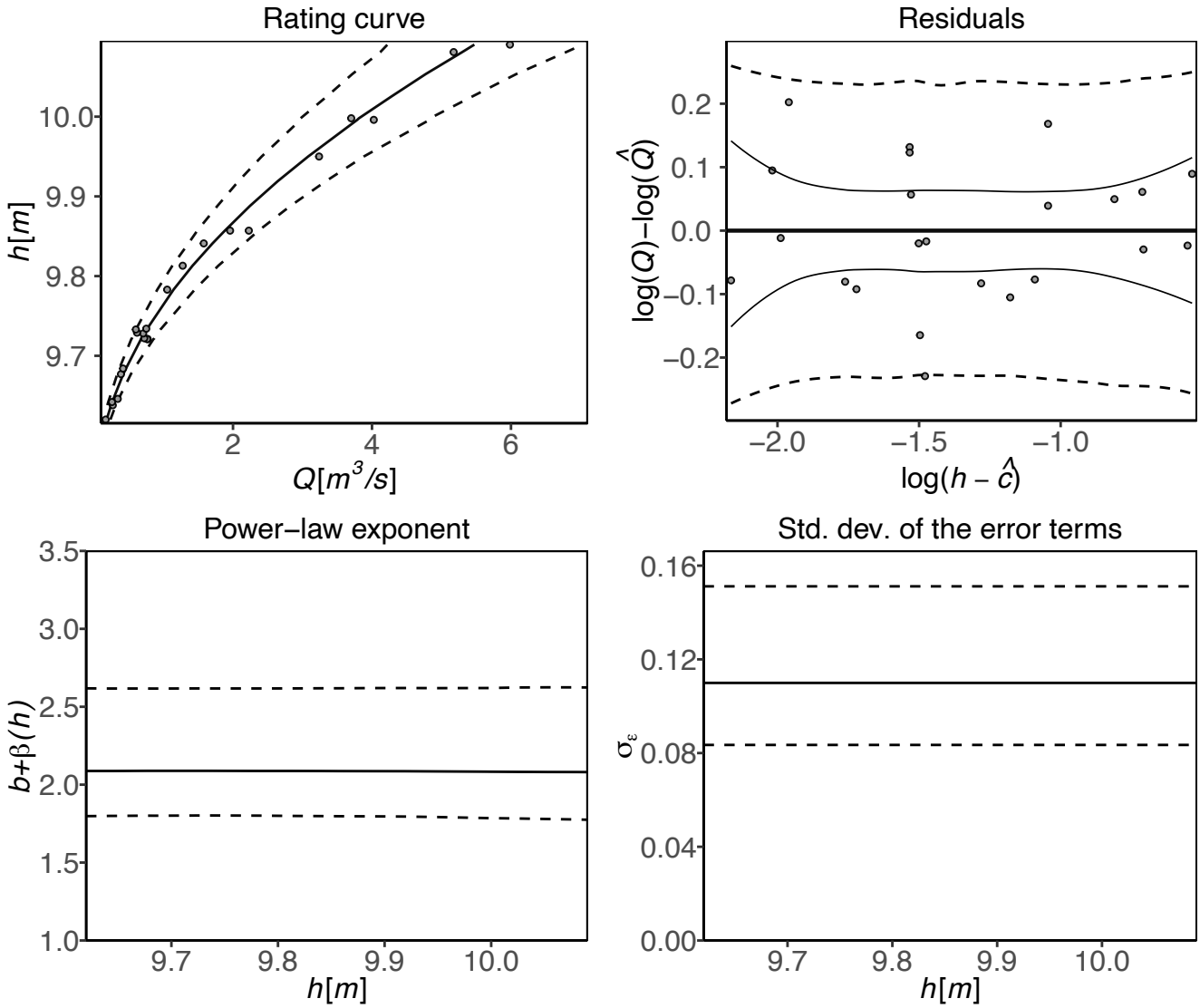


Törnestorp, Sweden – GPLM



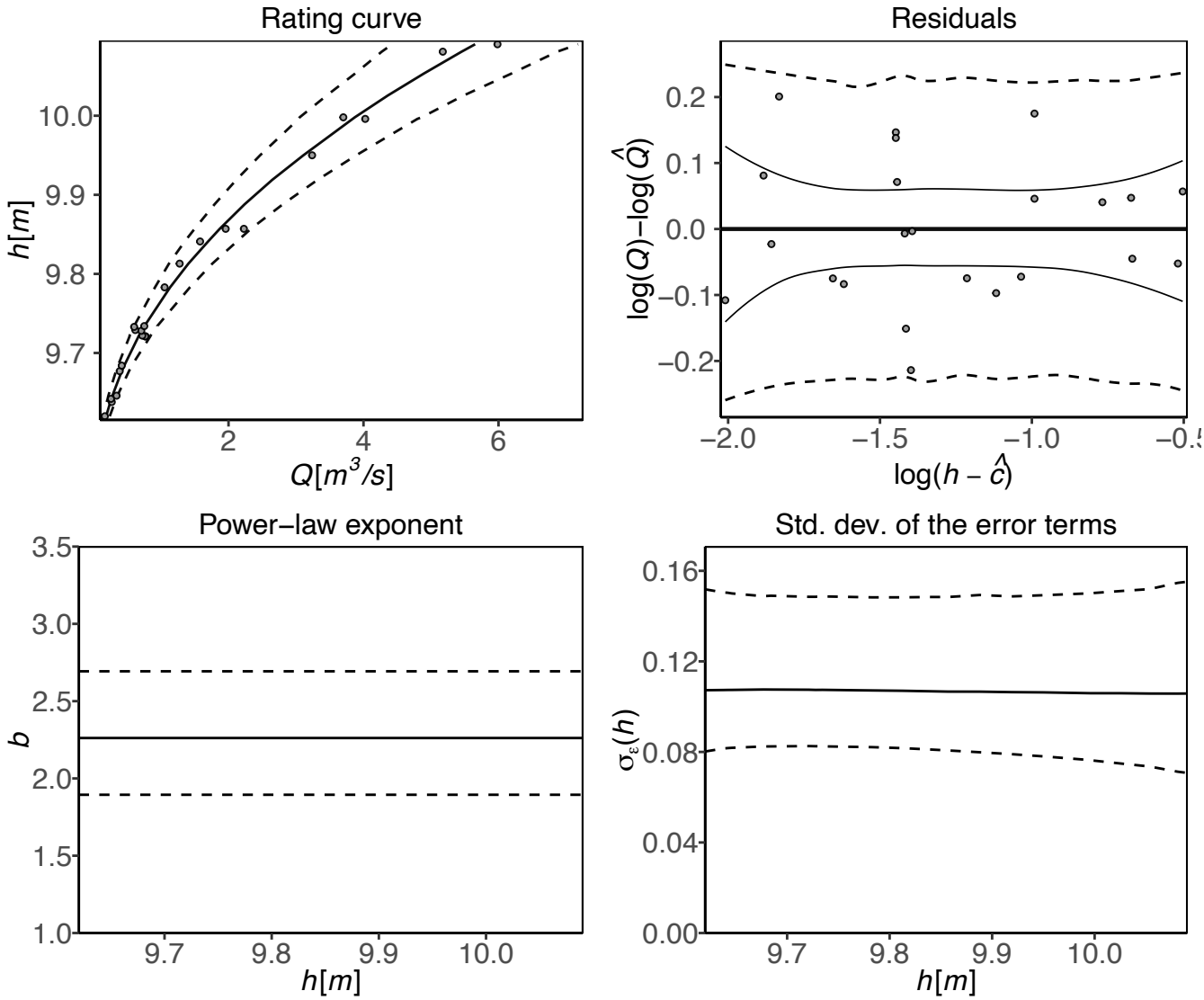
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.64	[13.64; 20.03]	3520	1.00
b	1.84	[1.83; 1.84]	8837	1.00
c	9.50	[9.44; 9.54]	1698	1.00
σ_β	0.26	[0.01; 0.80]	938	1.02
ϕ_β	15.10	[0.57; 13216.69]	1452	1.00
σ_η	0.08	[0.00; 0.41]	1622	1.00
η_1	–4.43	[–5.04; –3.72]	1963	1.00
η_2	–4.35	[–6.24; –2.50]	2186	1.00
η_3	–4.44	[–7.02; –1.78]	2276	1.00
η_4	–4.56	[–7.80; –1.14]	2155	1.00
η_5	–4.62	[–8.39; –0.73]	2181	1.00
η_6	–4.64	[–8.88; –0.34]	2128	1.00

Törnestorp, Sweden – GPLM0



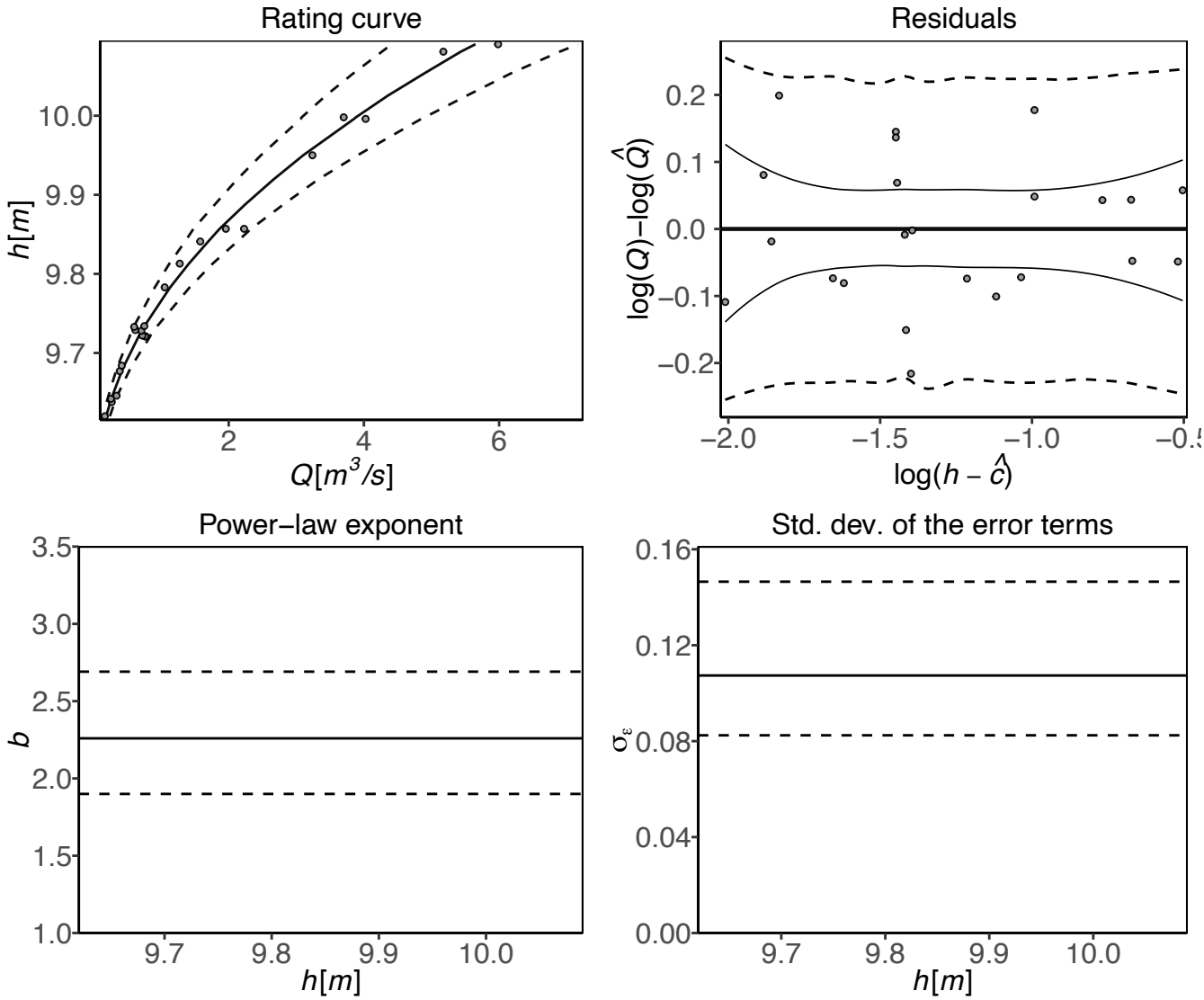
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.60	[13.75; 20.13]	6273	1.00
b	1.84	[1.83; 1.84]	11523	1.00
c	9.51	[9.44; 9.54]	3685	1.00
σ_ε	0.11	[0.08; 0.15]	4751	1.00
σ_β	0.50	[0.13; 0.88]	1712	1.00
ϕ_β	17.37	[0.54; 14537.39]	3133	1.00

Törnestorp, Sweden – PLM



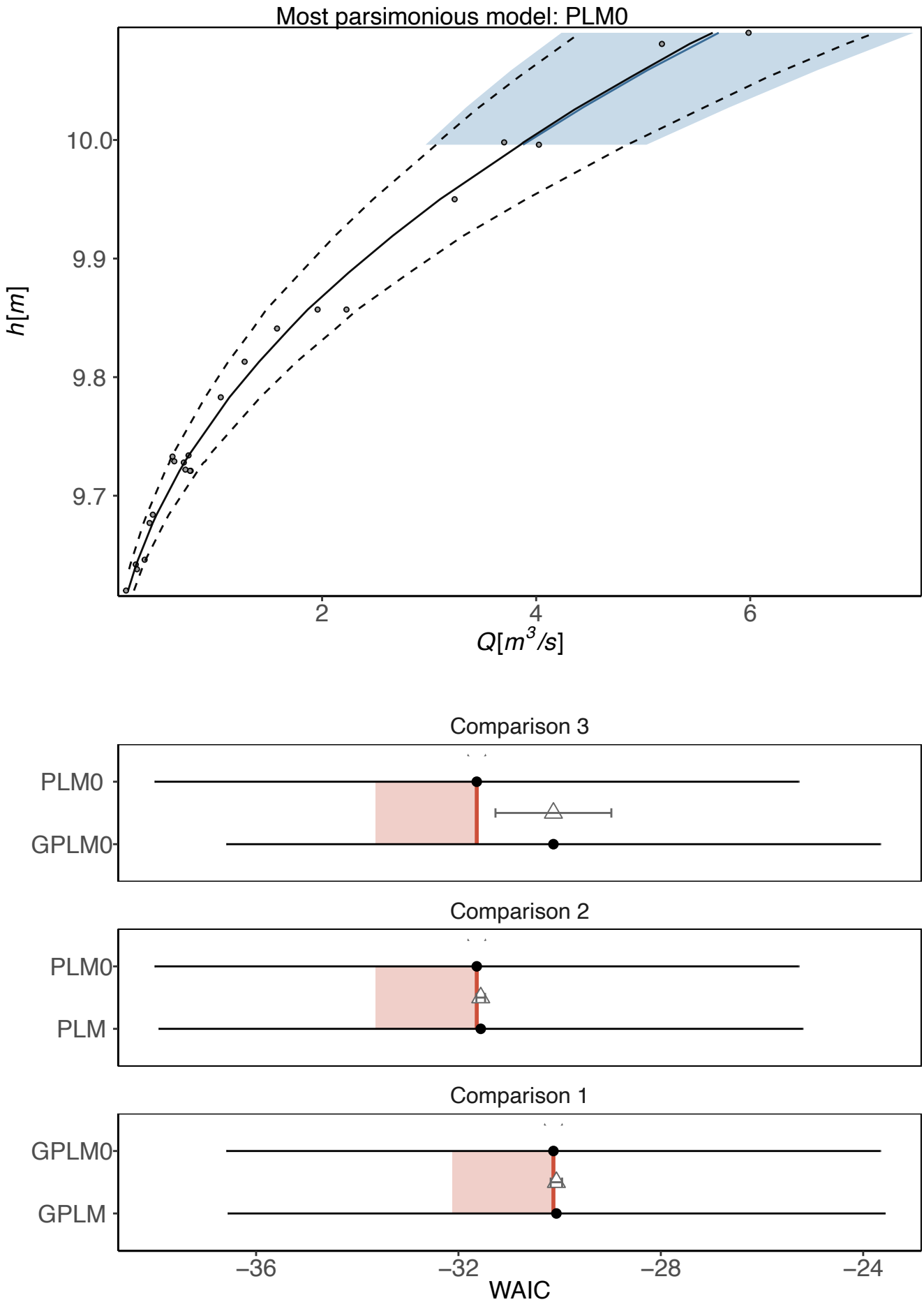
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	17.50	[14.84; 20.26]	6354	1.00
b	2.26	[1.89; 2.69]	2878	1.00
c	9.49	[9.43; 9.53]	2698	1.00
σ_η	0.08	[0.00; 0.40]	1716	1.00
η_1	–4.46	[–5.05; –3.77]	2454	1.00
η_2	–4.39	[–6.33; –2.49]	2830	1.00
η_3	–4.47	[–7.09; –1.87]	2813	1.00
η_4	–4.59	[–7.80; –1.30]	2794	1.00
η_5	–4.66	[–8.35; –0.90]	2926	1.00
η_6	–4.71	[–8.92; –0.43]	2839	1.00

Törnestorp, Sweden – PLM0



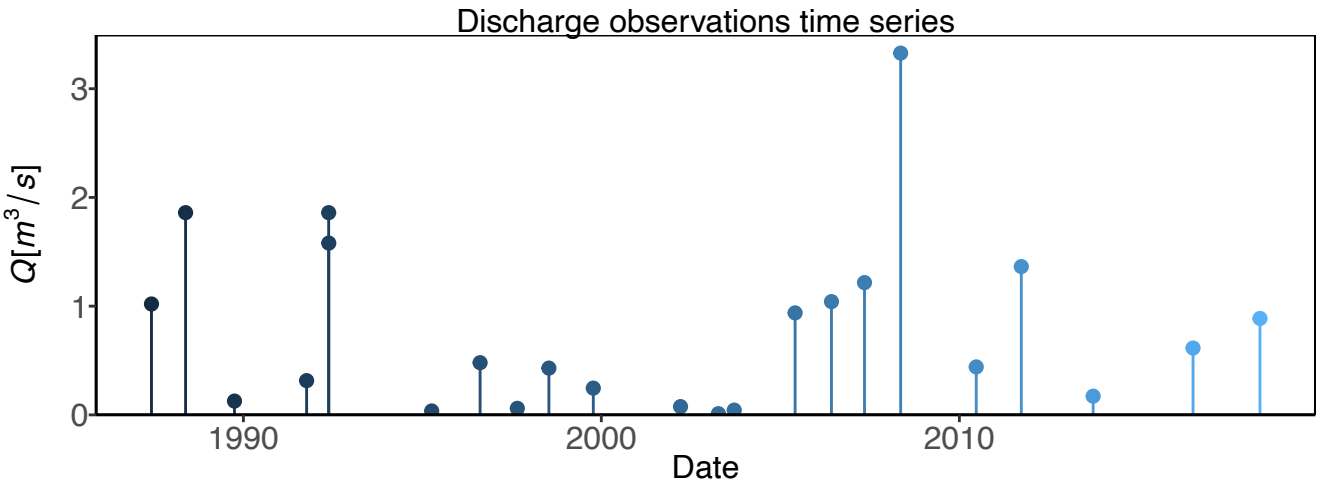
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	17.48	[14.88; 20.24]	12922	1.00
b	2.26	[1.90; 2.69]	9198	1.00
c	9.49	[9.43; 9.53]	8973	1.00
σ_ε	0.11	[0.08; 0.15]	9856	1.00

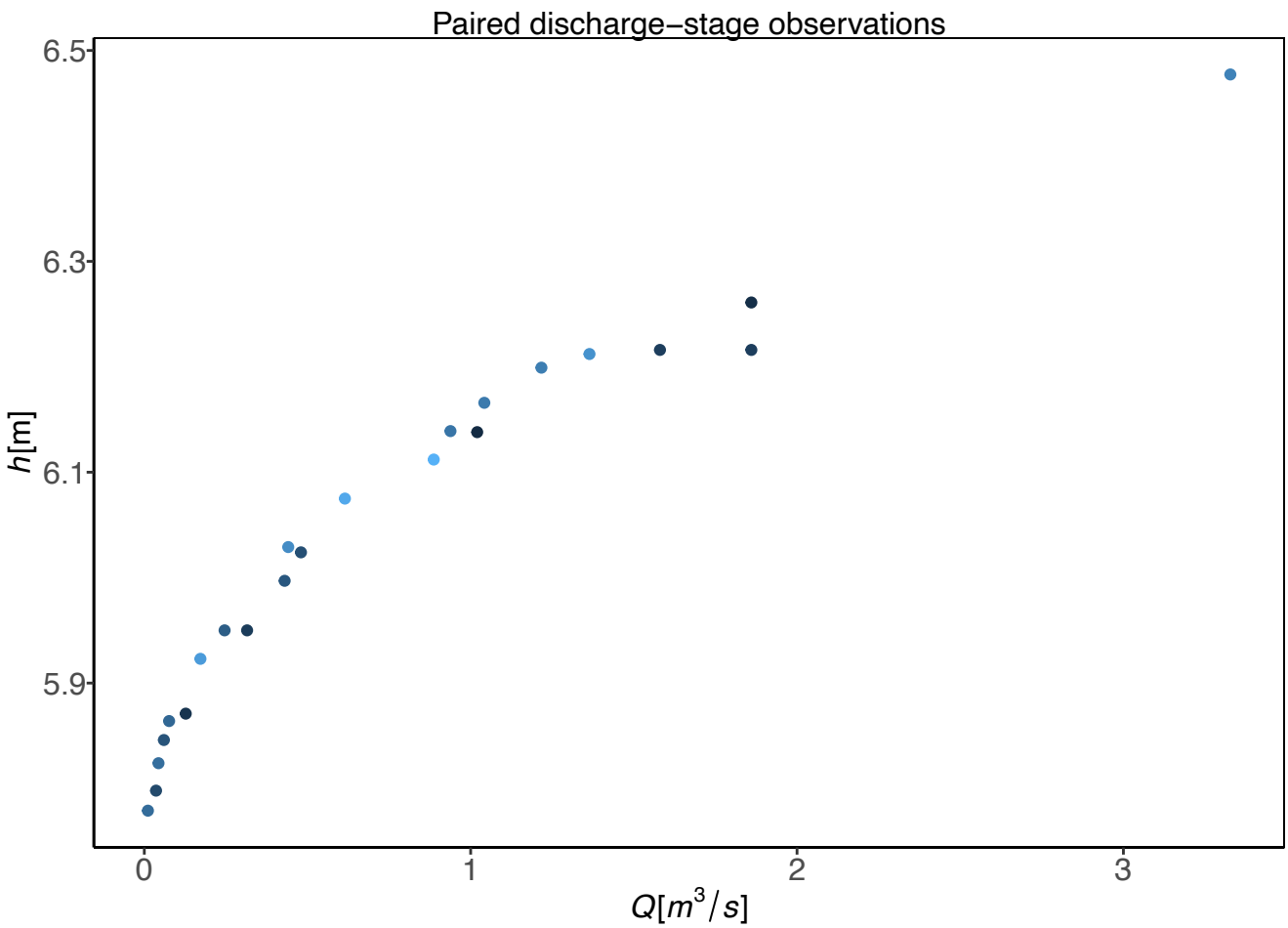
Power−law tournament results for Törnestorp, Sweden



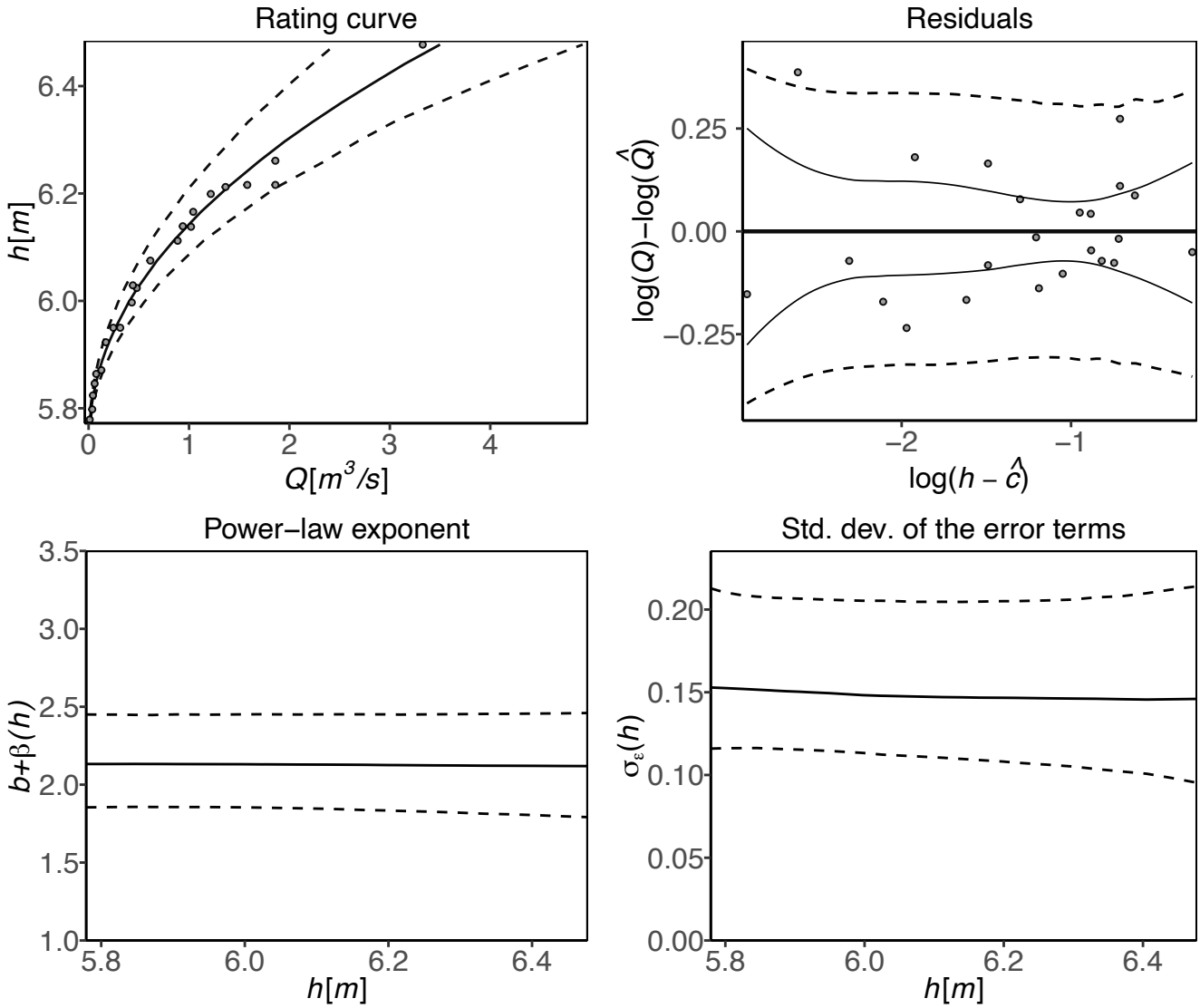
Station name:	Skabram
Location:	Sweden
Station number:	1675
Number of observations:	23
Start date:	1987–06–08
End date:	2018–05–26
Max. discharge (m^3/s):	3.3
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.12	0.26
GPLM0	0.50	0.21
PLM	0.00	0.27
PLM0	0.16	0.25



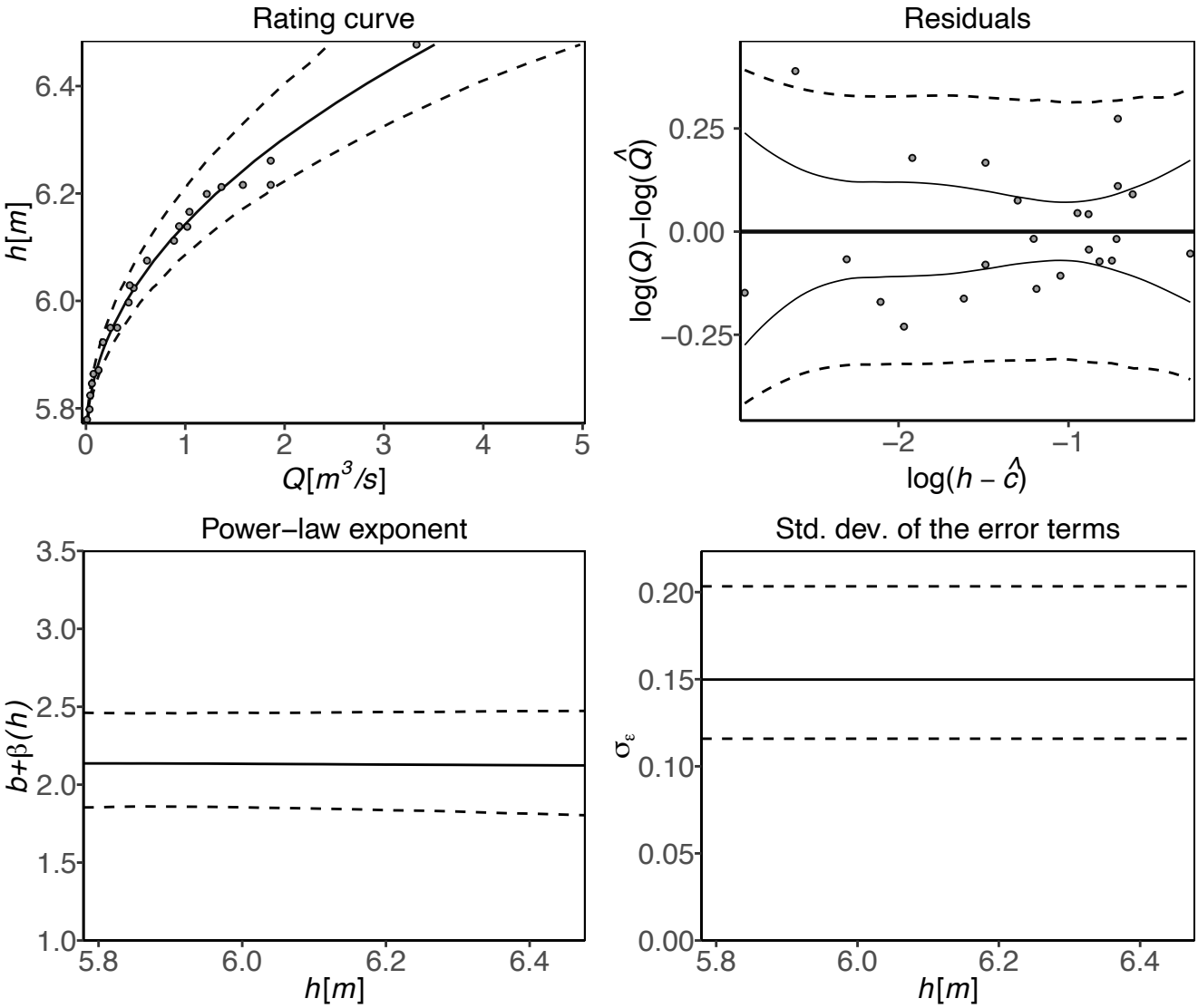


Skabram, Sweden – GPLM



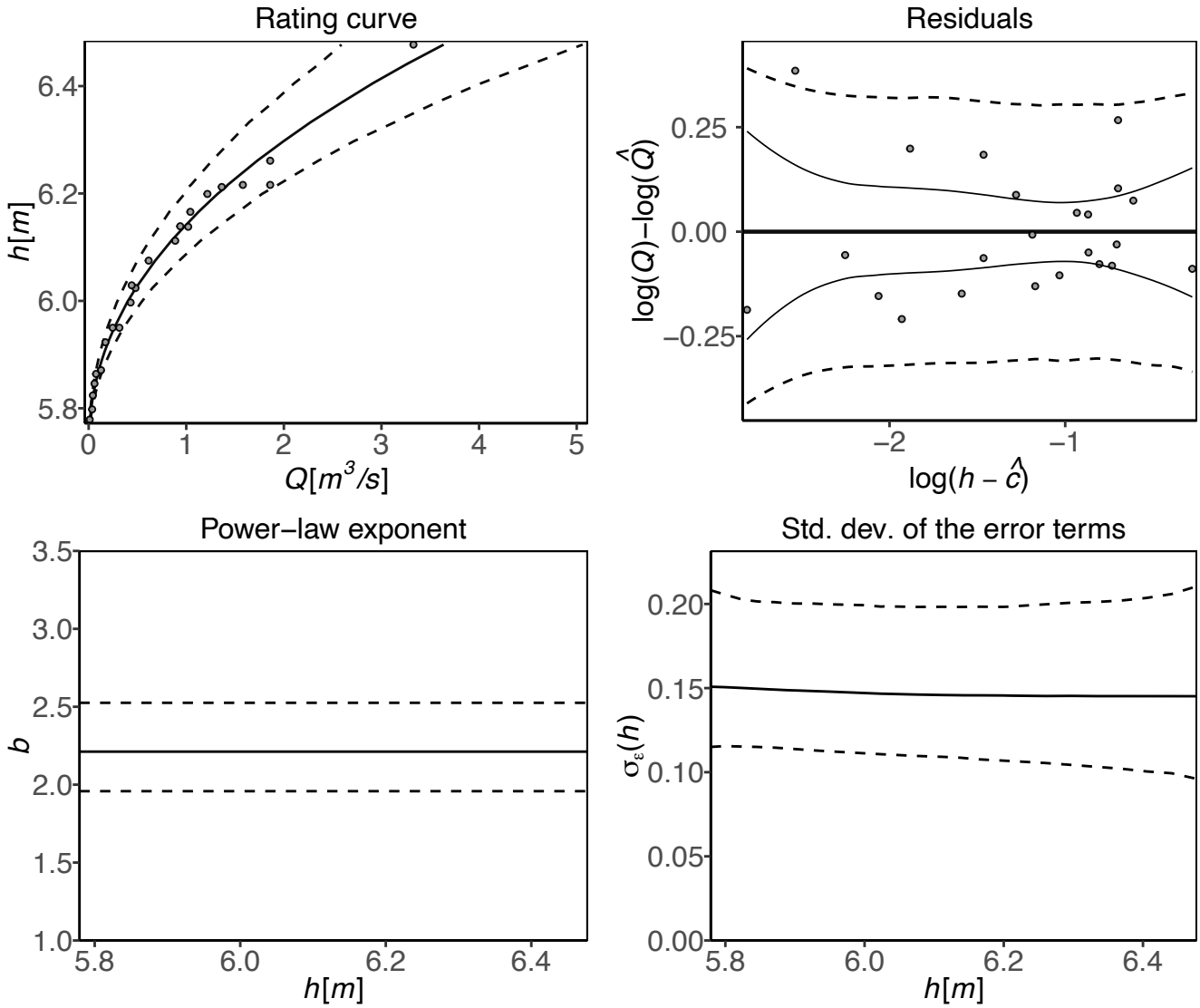
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.38	[5.12; 7.76]	3310	1.00
b	1.84	[1.83; 1.84]	10139	1.00
c	5.72	[5.70; 5.74]	1796	1.00
σ_β	0.26	[0.06; 0.76]	1516	1.00
ϕ_β	16.59	[0.60; 12006.45]	1476	1.00
σ_η	0.08	[0.00; 0.42]	1499	1.00
η_1	–3.76	[–4.31; –3.10]	2128	1.00
η_2	–3.88	[–5.75; –1.97]	2382	1.00
η_3	–4.13	[–6.65; –1.37]	2404	1.00
η_4	–4.29	[–7.37; –0.83]	2368	1.00
η_5	–4.39	[–7.86; –0.40]	2451	1.00
η_6	–4.44	[–8.38; 0.05]	2354	1.00

Skabram, Sweden – GPLM0



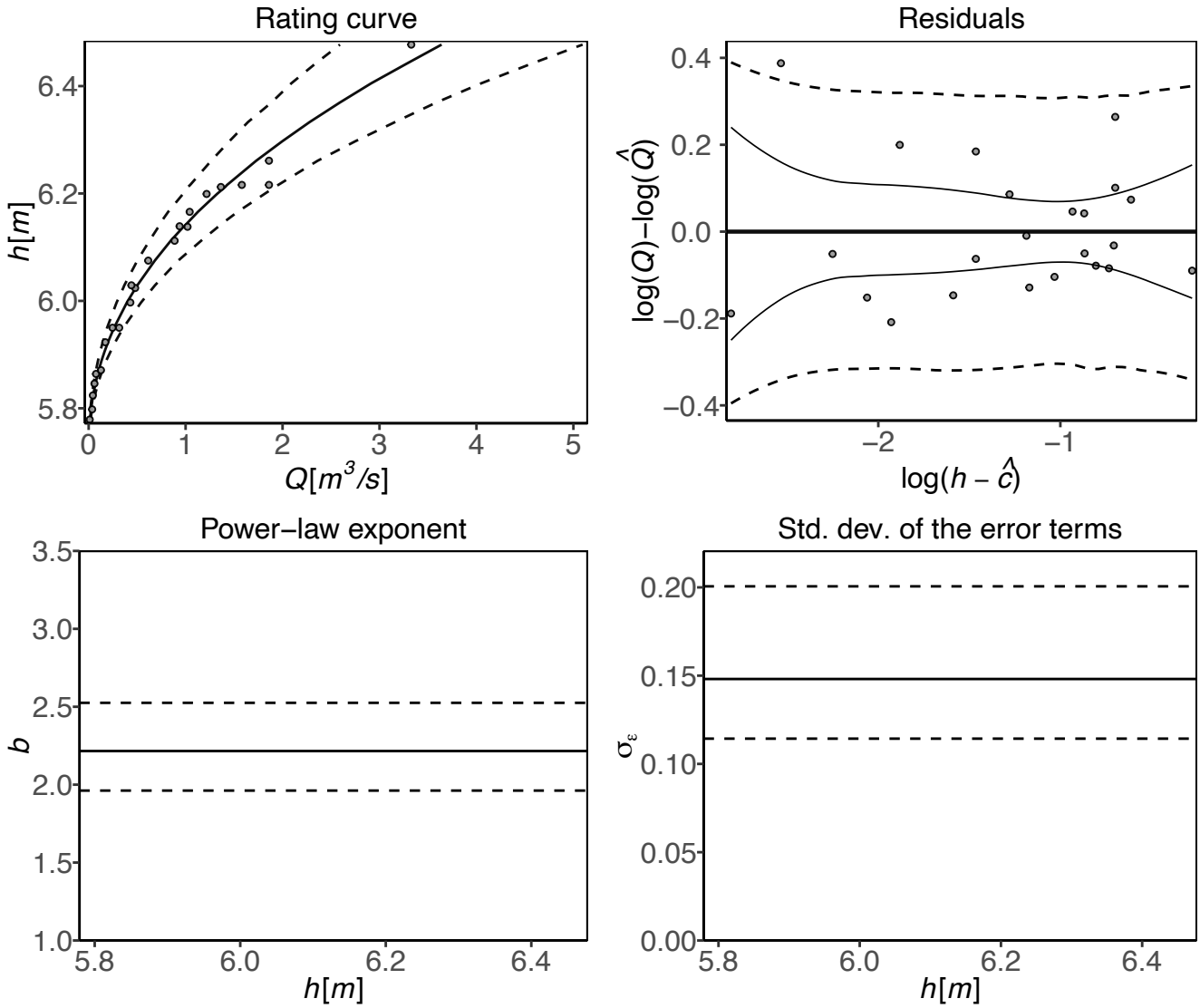
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.38	[5.14; 7.82]	6668	1.00
b	1.84	[1.83; 1.84]	13095	1.00
c	5.72	[5.70; 5.74]	3908	1.00
σ_ε	0.15	[0.12; 0.20]	4825	1.00
σ_β	0.52	[0.24; 0.86]	2963	1.00
ϕ_β	16.75	[0.66; 11996.64]	3090	1.00

Skabram, Sweden – PLM



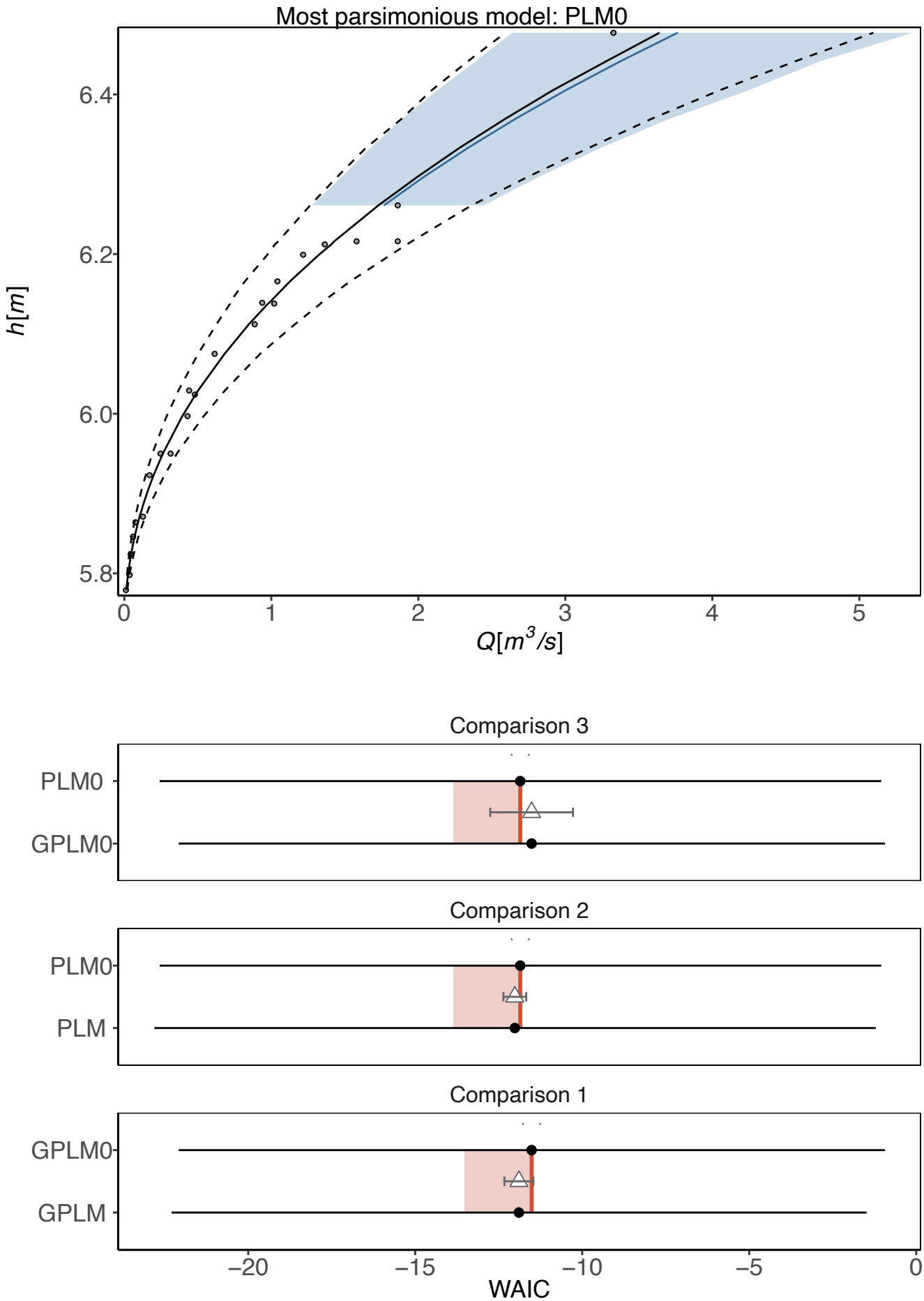
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.70	[5.59; 7.94]	4939	1.00
b	2.21	[1.96; 2.53]	2821	1.00
c	5.72	[5.69; 5.74]	2516	1.00
σ_η	0.08	[0.00; 0.43]	1757	1.00
η_1	–3.78	[–4.33; –3.14]	2556	1.00
η_2	–3.87	[–5.73; –1.96]	2843	1.00
η_3	–4.11	[–6.78; –1.41]	2618	1.00
η_4	–4.28	[–7.44; –0.95]	2764	1.00
η_5	–4.27	[–7.91; –0.41]	2659	1.00
η_6	–4.33	[–8.39; 0.03]	2833	1.00

Skabram, Sweden – PLM0



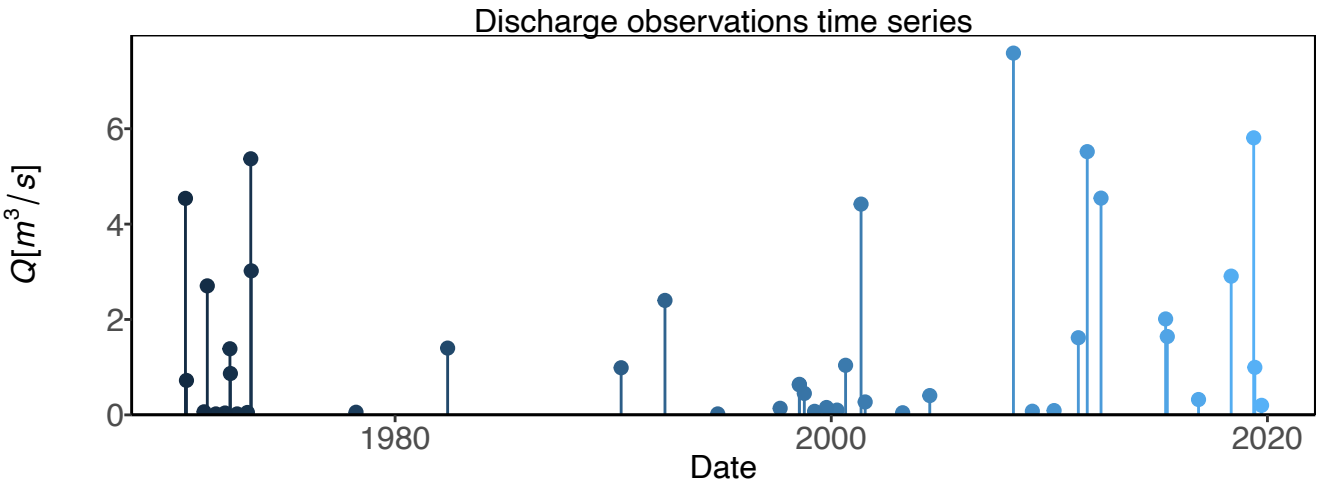
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.71	[5.61; 7.97]	12998	1.00
b	2.22	[1.96; 2.53]	9945	1.00
c	5.72	[5.69; 5.74]	9357	1.00
σ_ε	0.15	[0.11; 0.20]	9499	1.00

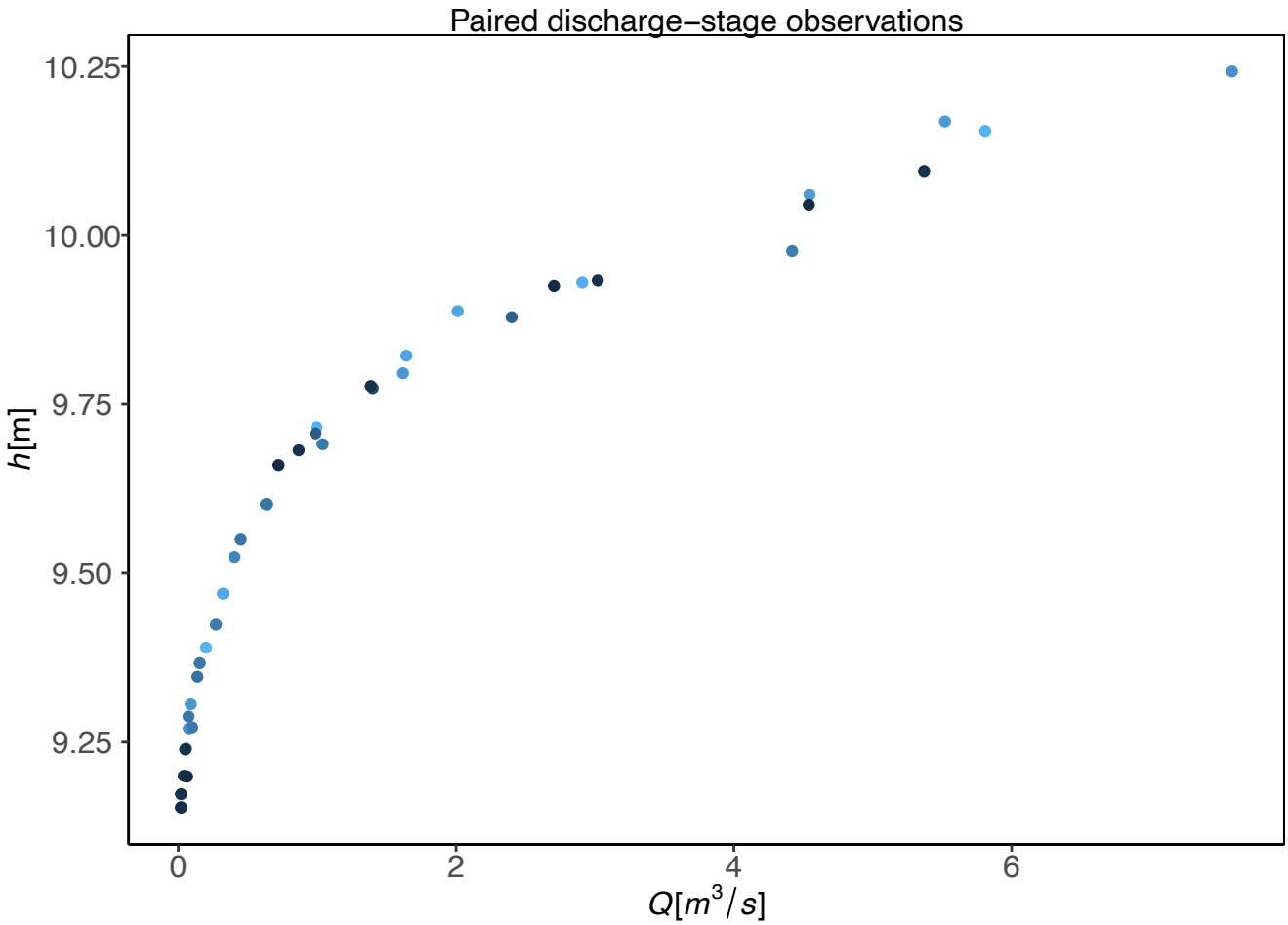
Power−law tournament results for Skabram, Sweden



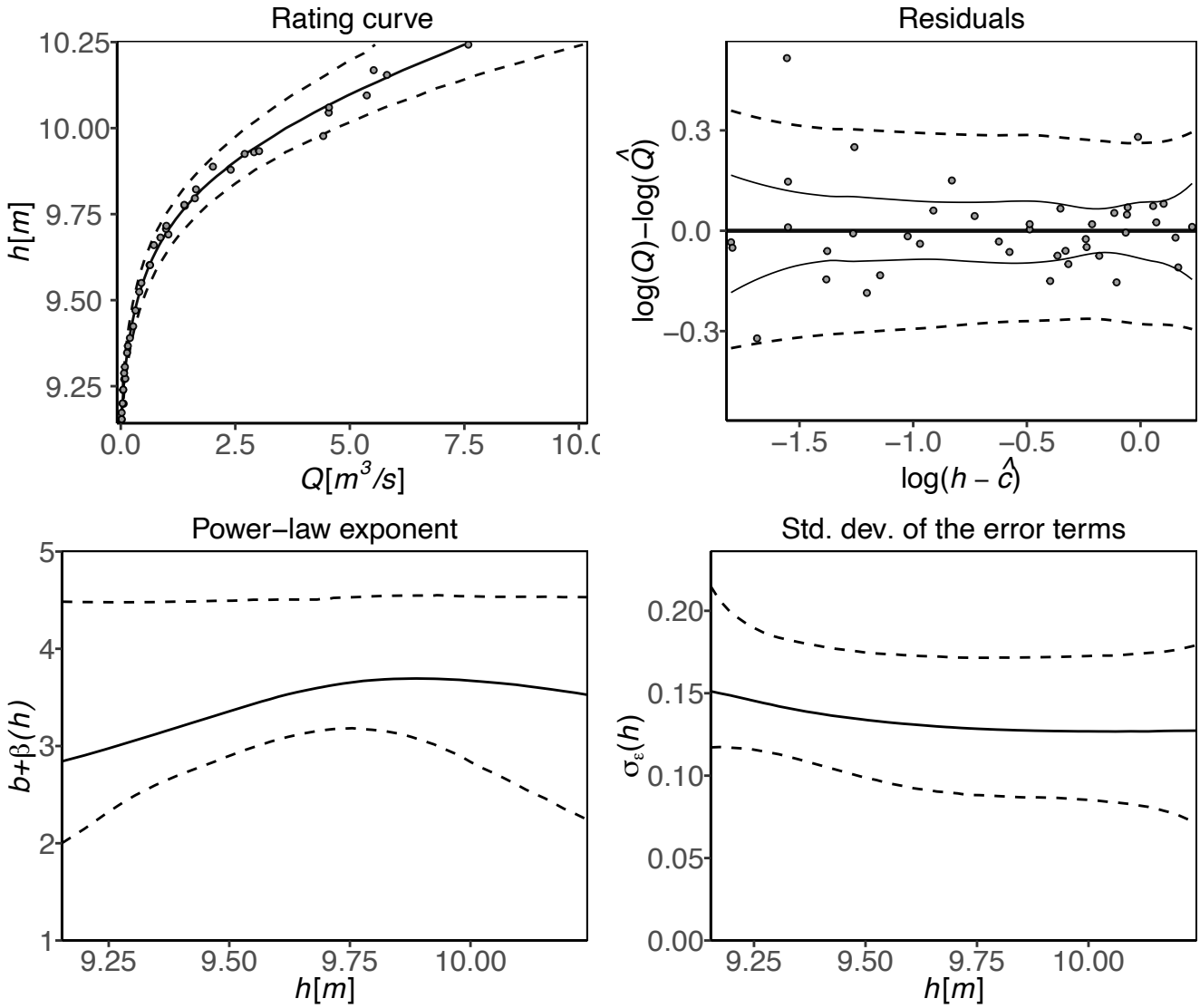
Station name:	Långsjön
Location:	Sweden
Station number:	1690
Number of observations:	42
Start date:	1970–05–22
End date:	2019–09–25
Max. discharge (m^3/s):	7.6
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.85
GPLM0	3.66	0.14
PLM	10.14	0.01
PLM0	10.88	0.00



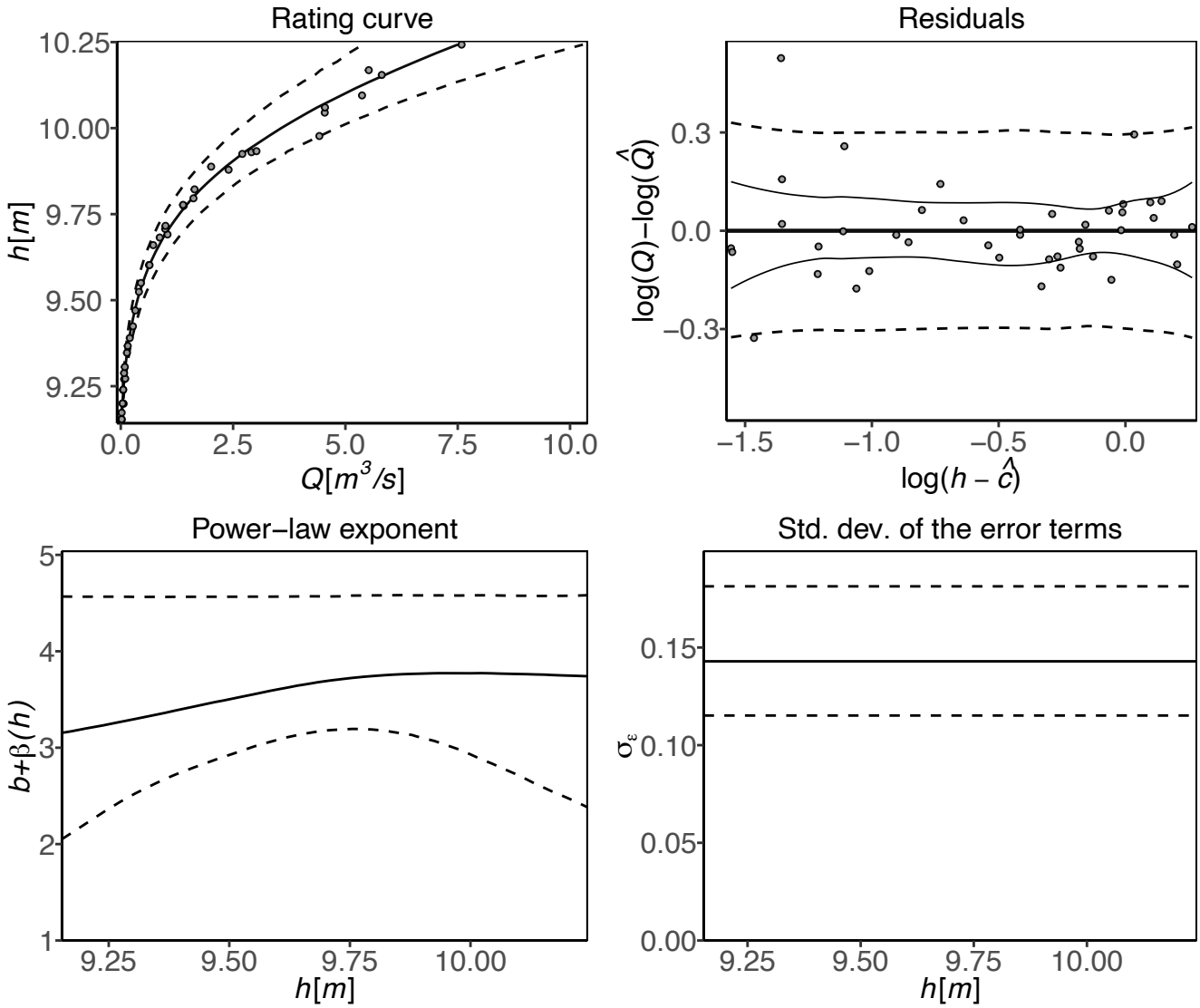


Långsjön, Sweden – GPLM



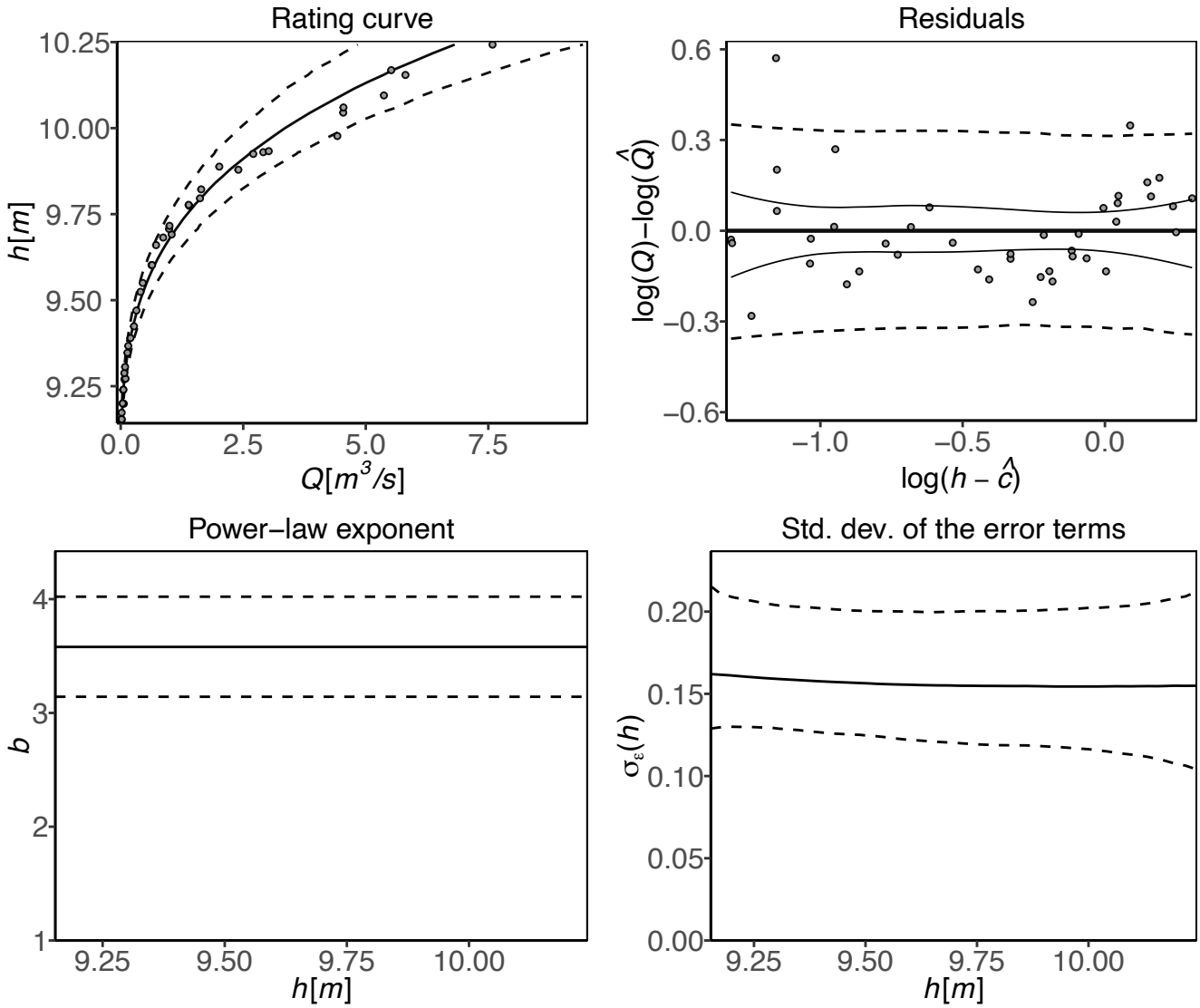
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.45	[1.25; 5.08]	1061	1.04
b	1.84	[1.83; 1.84]	9426	1.00
c	8.99	[8.74; 9.09]	1144	1.03
σ_β	0.85	[0.49; 1.53]	2092	1.01
ϕ_β	1.12	[0.40; 129.90]	781	1.09
σ_η	0.16	[0.01; 0.60]	920	1.01
η_1	–3.78	[–4.29; –3.08]	2203	1.00
η_2	–4.23	[–6.03; –2.42]	1742	1.00
η_3	–5.03	[–7.44; –2.26]	1611	1.00
η_4	–5.39	[–8.15; –1.95]	1991	1.00
η_5	–5.46	[–8.57; –1.66]	2200	1.00
η_6	–5.53	[–9.21; –1.31]	2361	1.00

Långsjön, Sweden – GPLM0



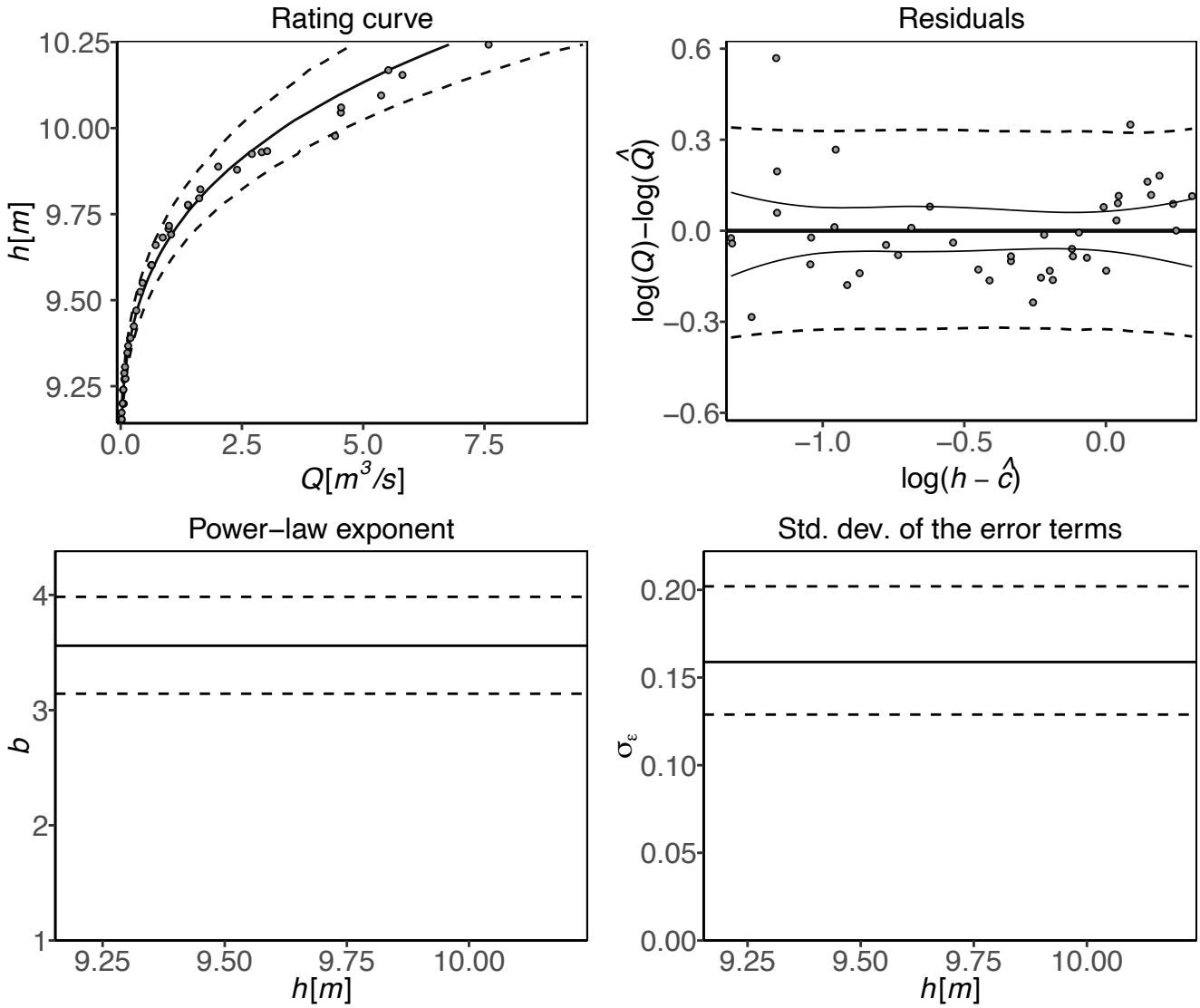
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.86	[1.17; 4.98]	1249	1.05
b	1.84	[1.83; 1.84]	11107	1.00
c	8.94	[8.73; 9.09]	1376	1.04
σ_ε	0.14	[0.12; 0.18]	3619	1.00
σ_β	0.94	[0.72; 1.25]	3649	1.01
ϕ_β	1.75	[0.47; 2934.20]	772	1.12

Långsjön, Sweden – PLM



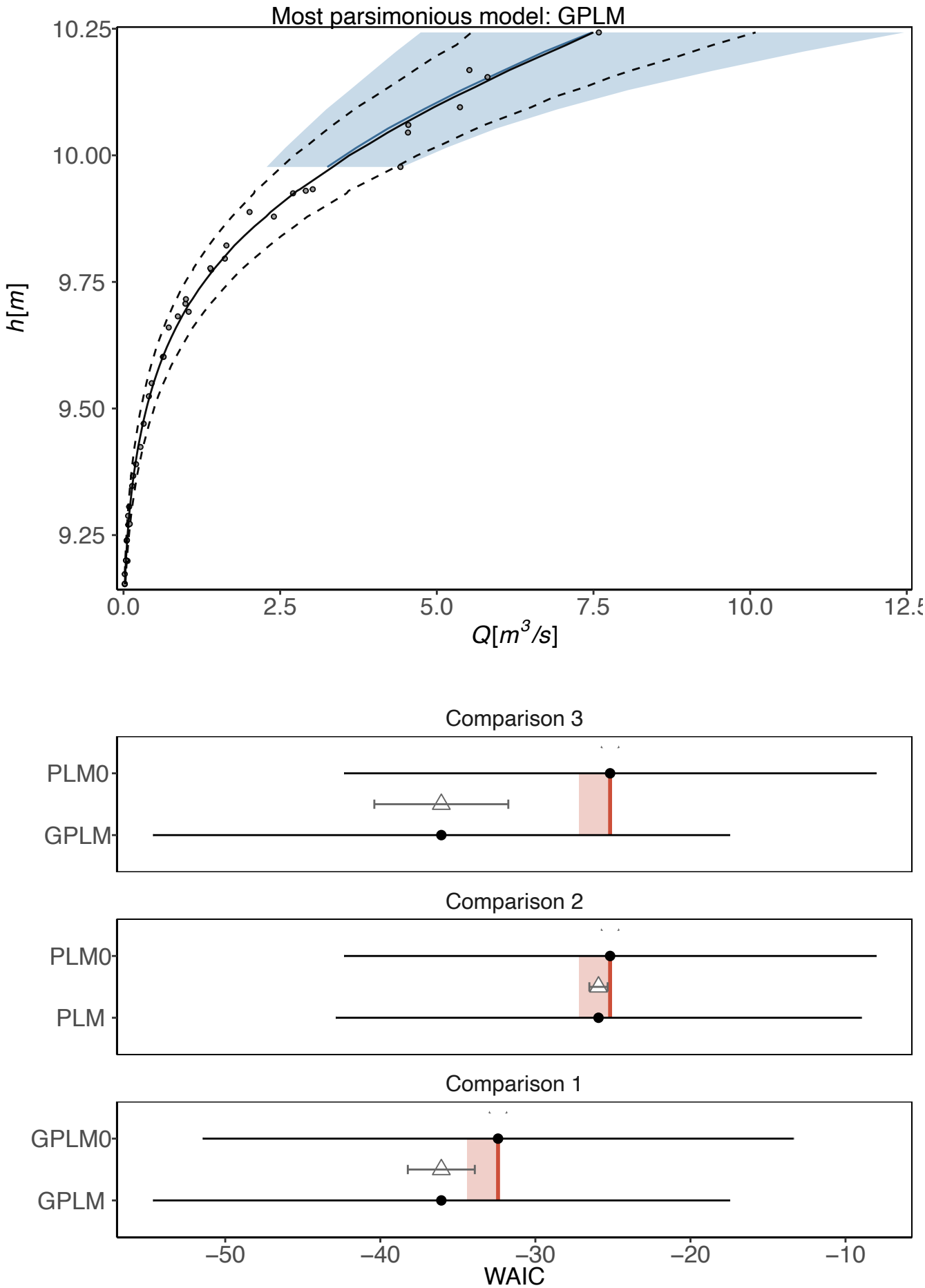
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.27	[1.72; 2.83]	2707	1.00
b	3.58	[3.14; 4.02]	2663	1.00
c	8.88	[8.81; 8.95]	2467	1.00
σ_η	0.09	[0.00; 0.44]	1593	1.00
η_1	–3.64	[–4.10; –3.07]	2680	1.00
η_2	–3.82	[–5.70; –1.89]	2709	1.00
η_3	–4.16	[–6.61; –1.38]	2590	1.00
η_4	–4.27	[–7.33; –0.93]	2588	1.00
η_5	–4.30	[–7.83; –0.50]	2611	1.00
η_6	–4.31	[–8.38; 0.00]	2648	1.00

Långsjön, Sweden – PLM0



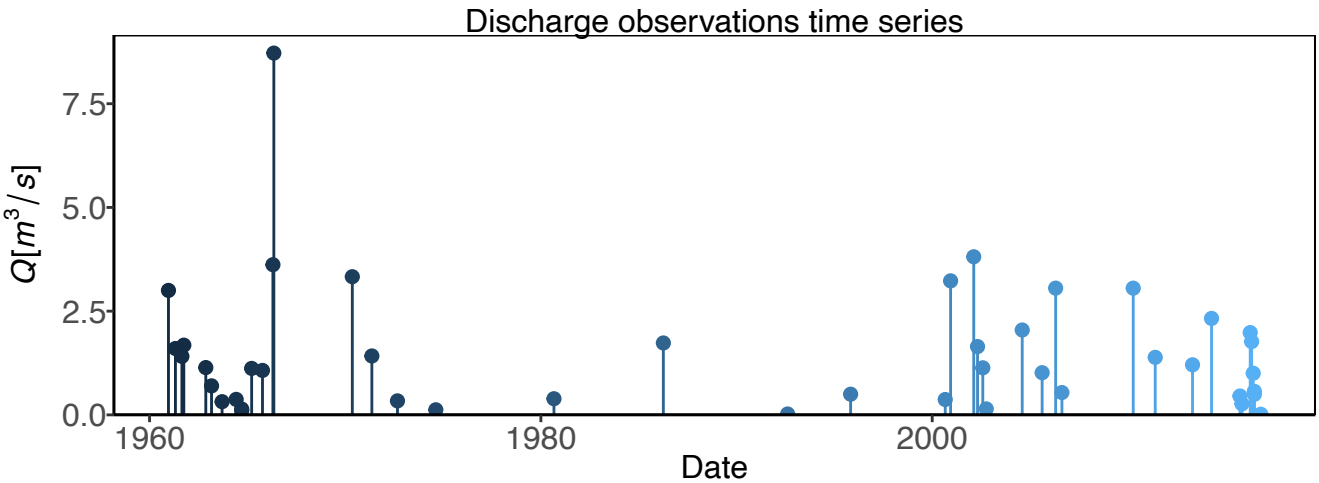
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.28	[1.76; 2.82]	9872	1.00
b	3.56	[3.14; 3.98]	10365	1.00
c	8.89	[8.82; 8.95]	9916	1.00
σ_ε	0.16	[0.13; 0.20]	8614	1.00

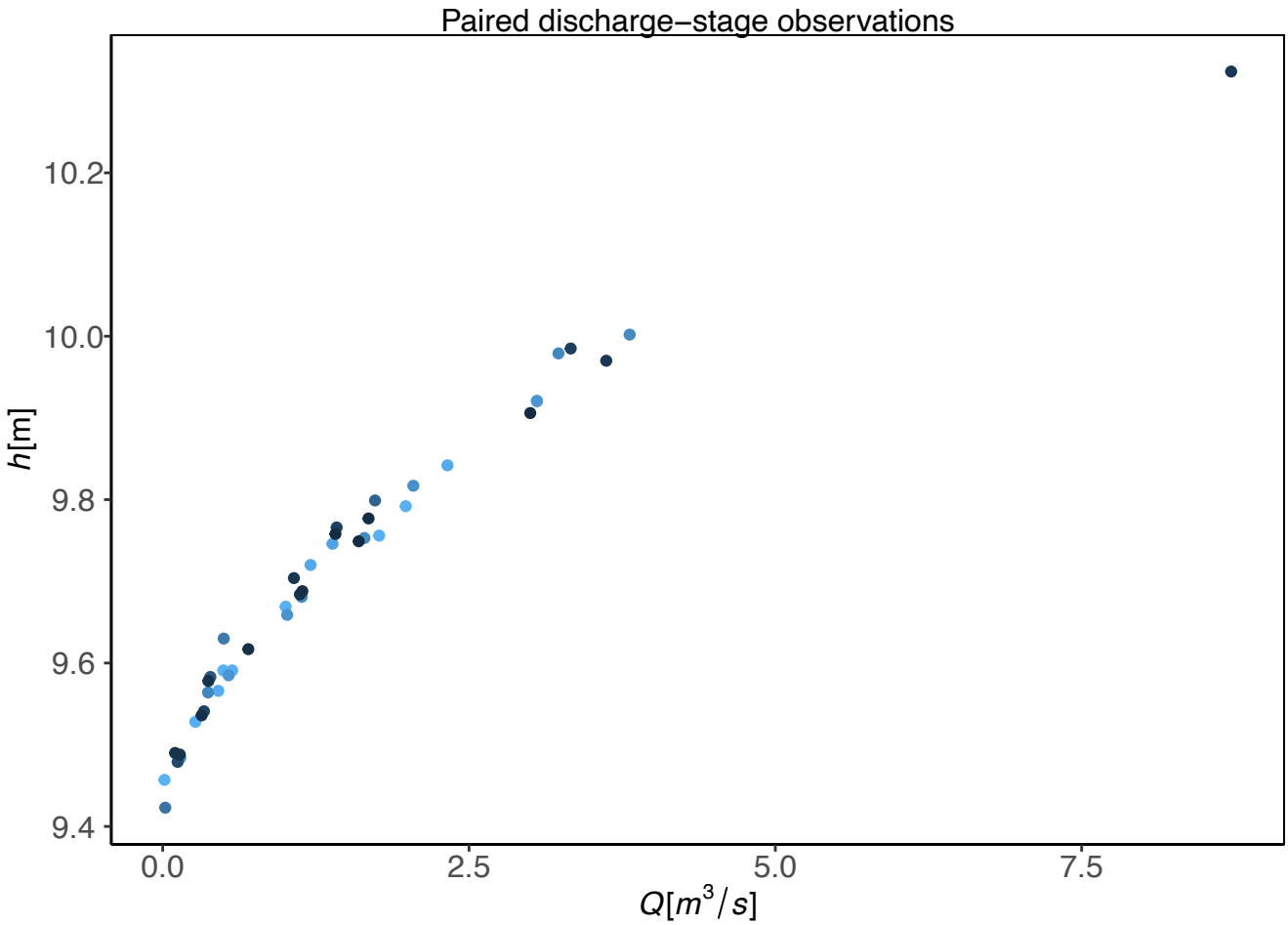
Power−law tournament results for Långsjön, Sweden



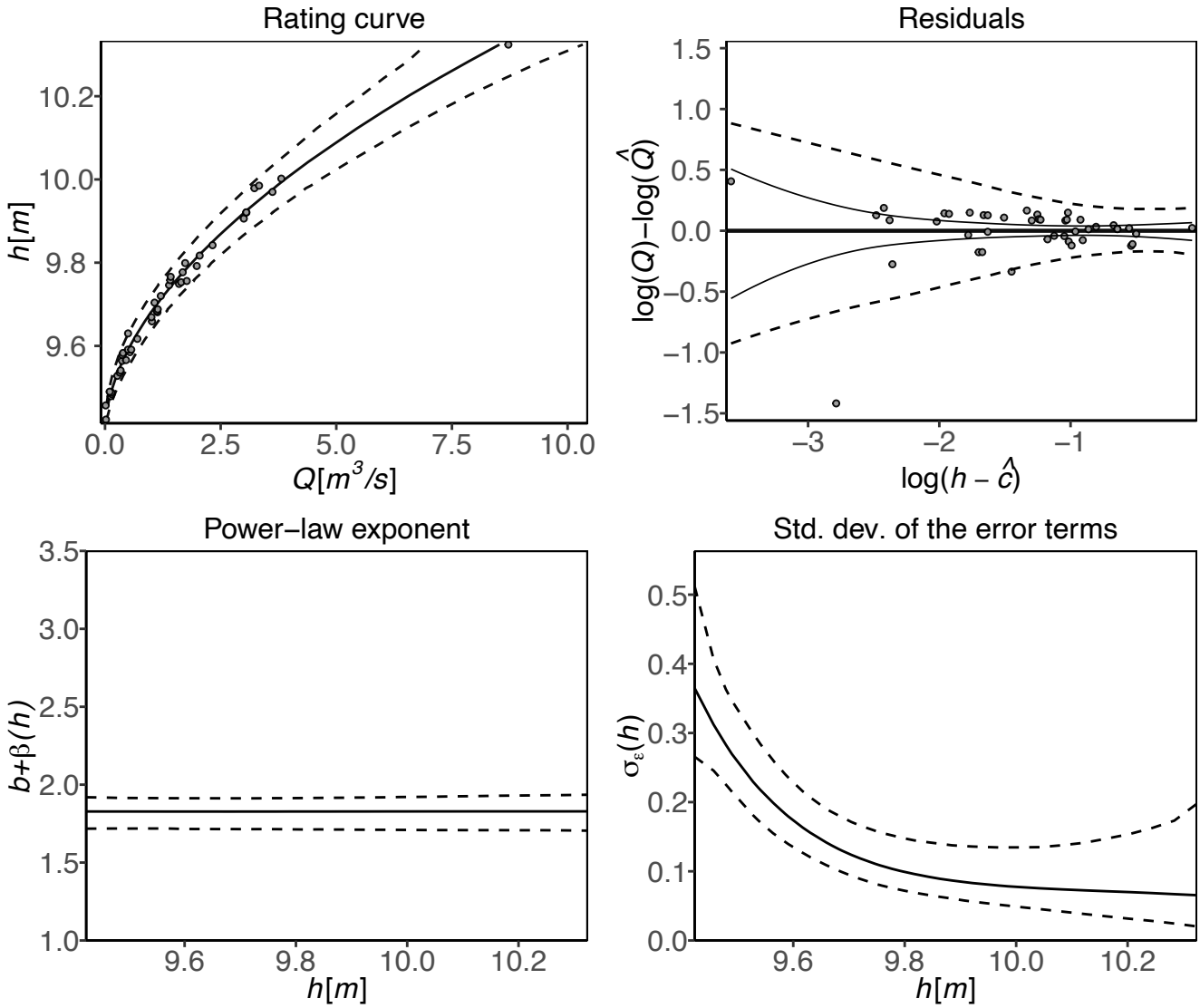
Station name:	Skärsboda
Location:	Sweden
Station number:	1809
Number of observations:	44
Start date:	1960–12–19
End date:	2016–10–16
Max. discharge (m^3/s):	8.7
Tournament winner:	PLM

	dWAIC	Akaike weights
GPLM	0.04	0.5
GPLM0	41.80	0.0
PLM	0.00	0.5
PLM0	51.07	0.0



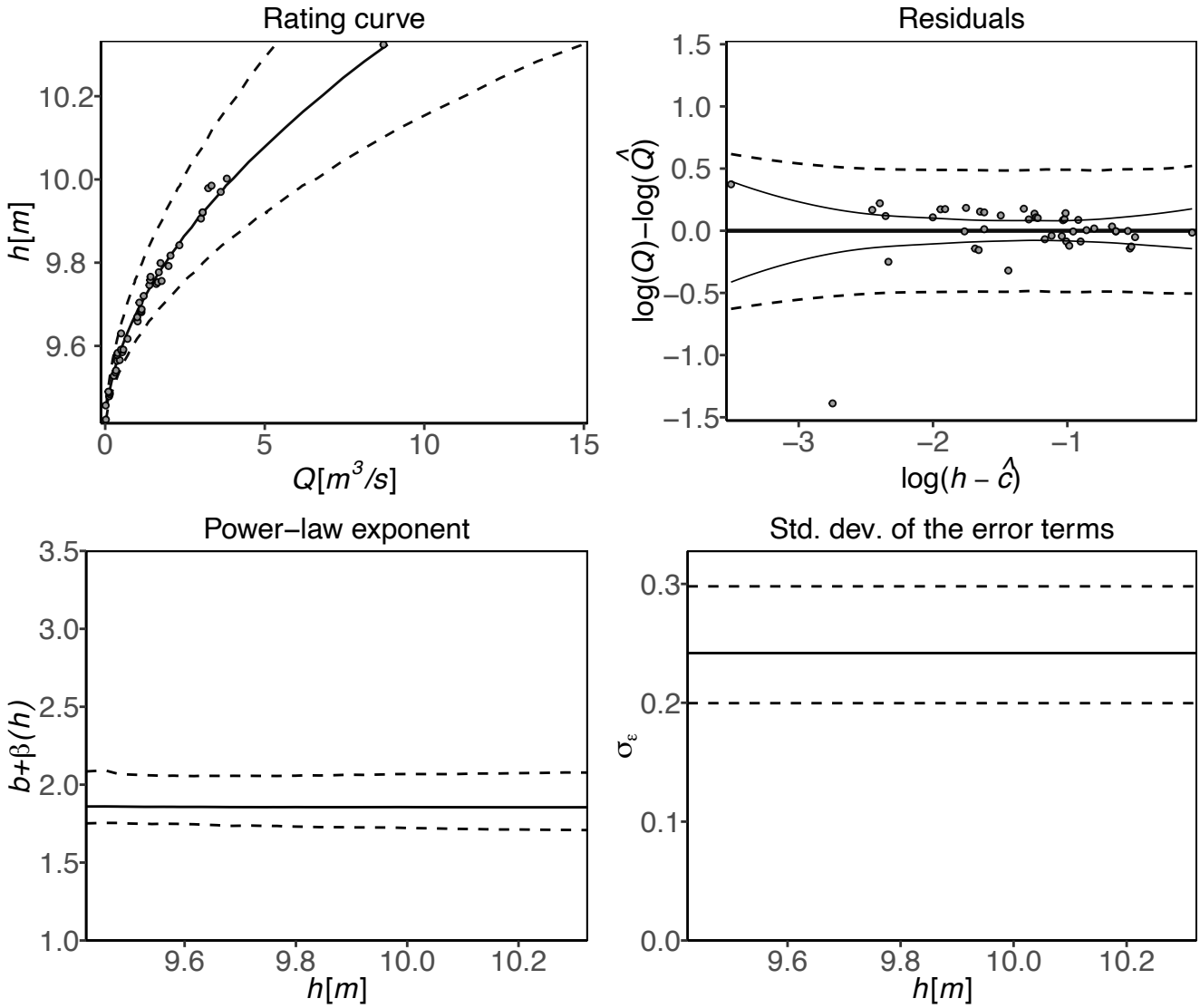


Skärsboda, Sweden – GPLM



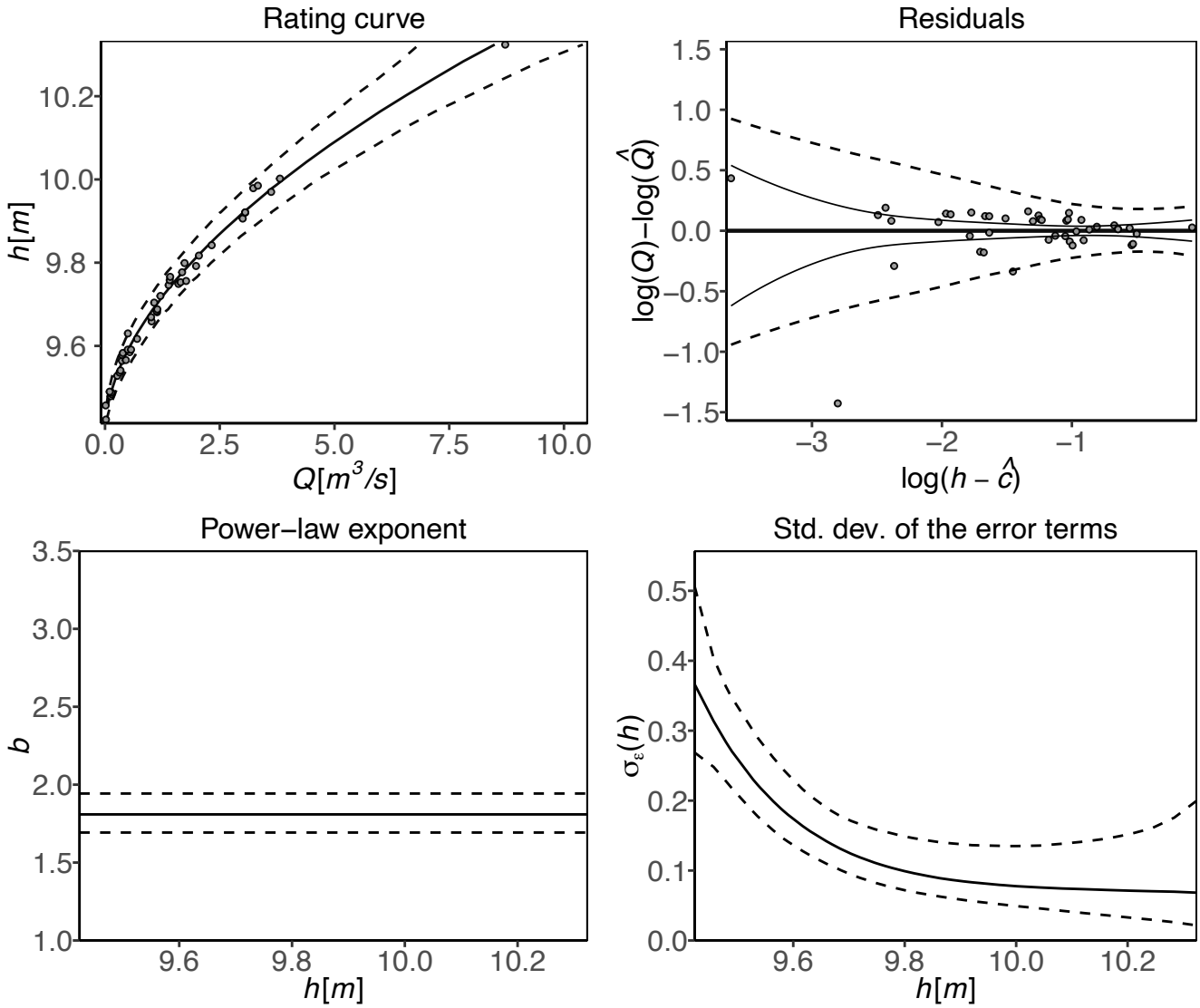
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.75	[8.99; 10.47]	6006	1.00
b	1.83	[1.83; 1.84]	9367	1.00
c	9.40	[9.38; 9.41]	2009	1.00
σ_β	0.06	[0.00; 0.42]	1773	1.00
ϕ_β	18.01	[0.60; 15818.36]	1374	1.00
σ_η	0.76	[0.44; 1.24]	1827	1.00
η_1	–2.02	[–2.65; –1.34]	2023	1.00
η_2	–3.24	[–4.74; –2.06]	2109	1.00
η_3	–5.37	[–7.18; –3.91]	2285	1.00
η_4	–6.21	[–8.52; –4.31]	2288	1.00
η_5	–6.37	[–9.39; –3.82]	2219	1.00
η_6	–6.57	[–10.07; –3.49]	2153	1.00

Skärsboda, Sweden – GPLM0



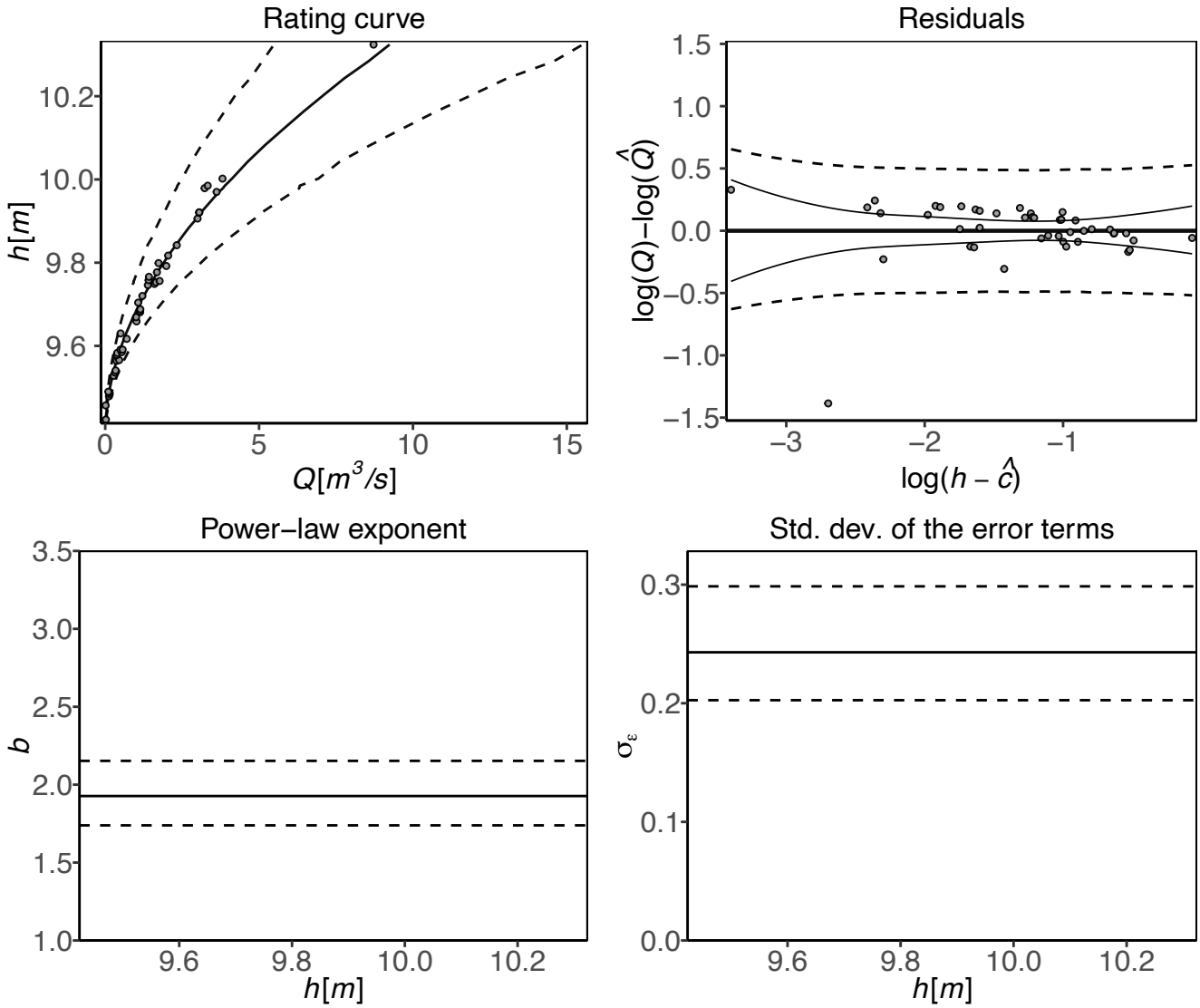
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.07	[8.63; 11.94]	8875	1.00
b	1.84	[1.83; 1.84]	12297	1.00
c	9.39	[9.38; 9.40]	4142	1.00
σ_ε	0.24	[0.20; 0.30]	3736	1.00
σ_β	0.30	[0.07; 0.70]	3437	1.00
ϕ_β	15.84	[0.46; 10831.86]	2973	1.00

Skärsboda, Sweden – PLM



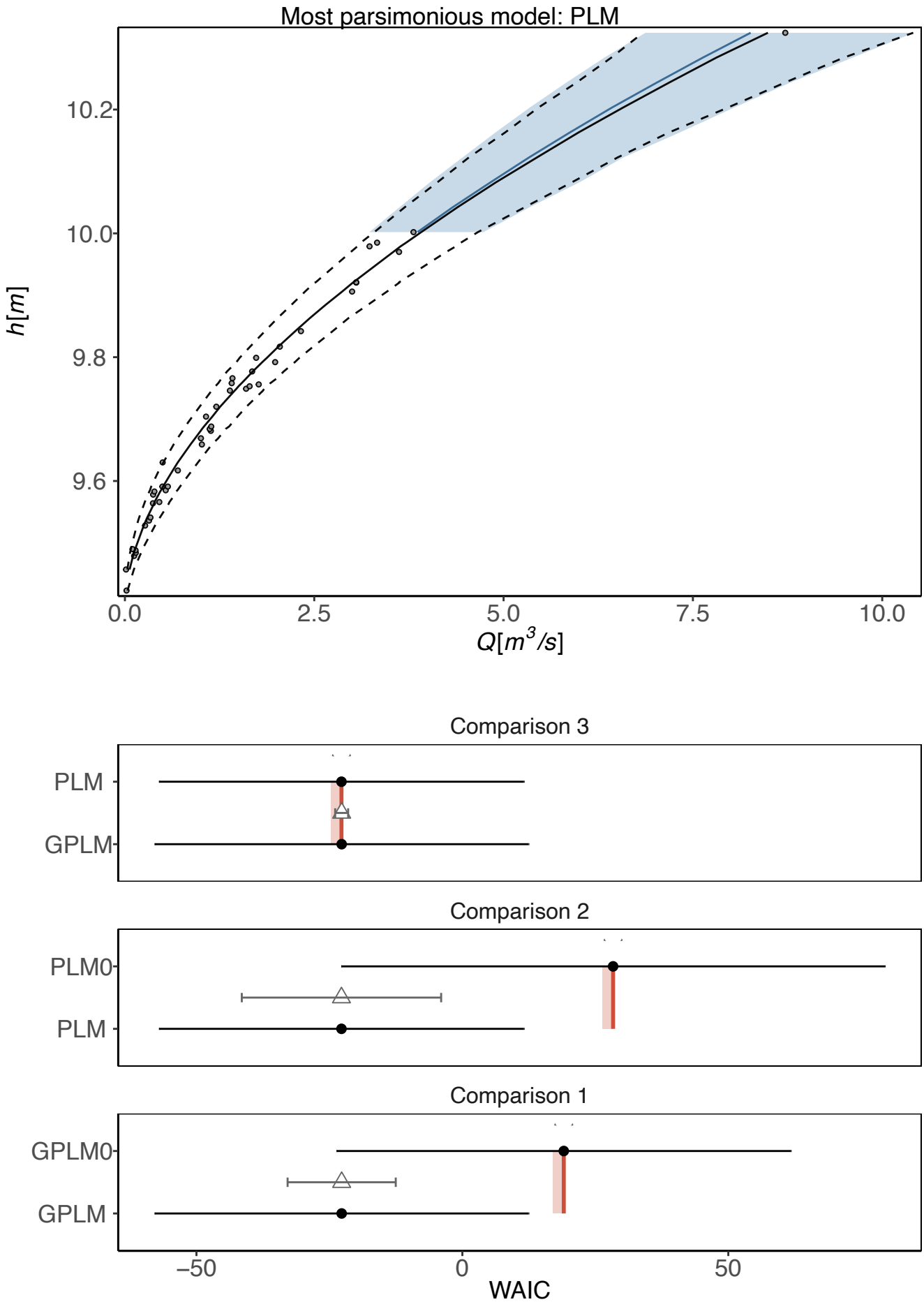
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.69	[8.91; 10.55]	6939	1.00
b	1.81	[1.69; 1.94]	3811	1.00
c	9.40	[9.38; 9.41]	2860	1.00
σ_η	0.76	[0.44; 1.24]	2205	1.00
η_1	–2.01	[–2.63; –1.36]	2615	1.00
η_2	–3.23	[–4.75; –2.05]	2518	1.00
η_3	–5.36	[–7.10; –3.96]	2610	1.00
η_4	–6.20	[–8.49; –4.36]	2611	1.00
η_5	–6.33	[–9.11; –3.86]	2808	1.00
η_6	–6.47	[–9.83; –3.42]	2700	1.00

Skärsboda, Sweden – PLM0



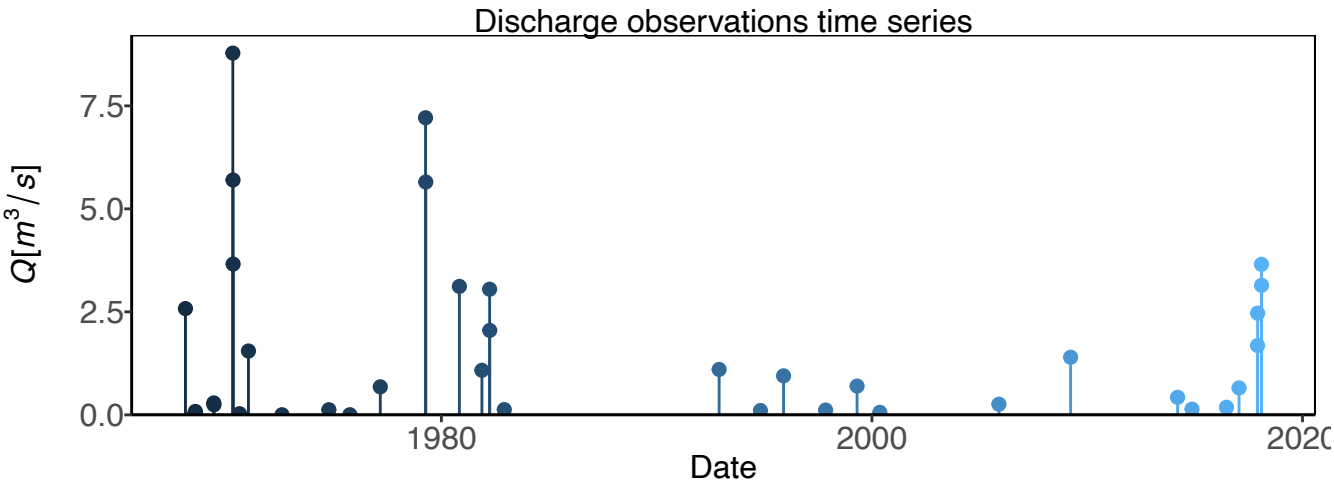
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.56	[8.80; 12.73]	13792	1.00
b	1.93	[1.74; 2.15]	10625	1.00
c	9.39	[9.37; 9.40]	9678	1.00
σ_ε	0.24	[0.20; 0.30]	9613	1.00

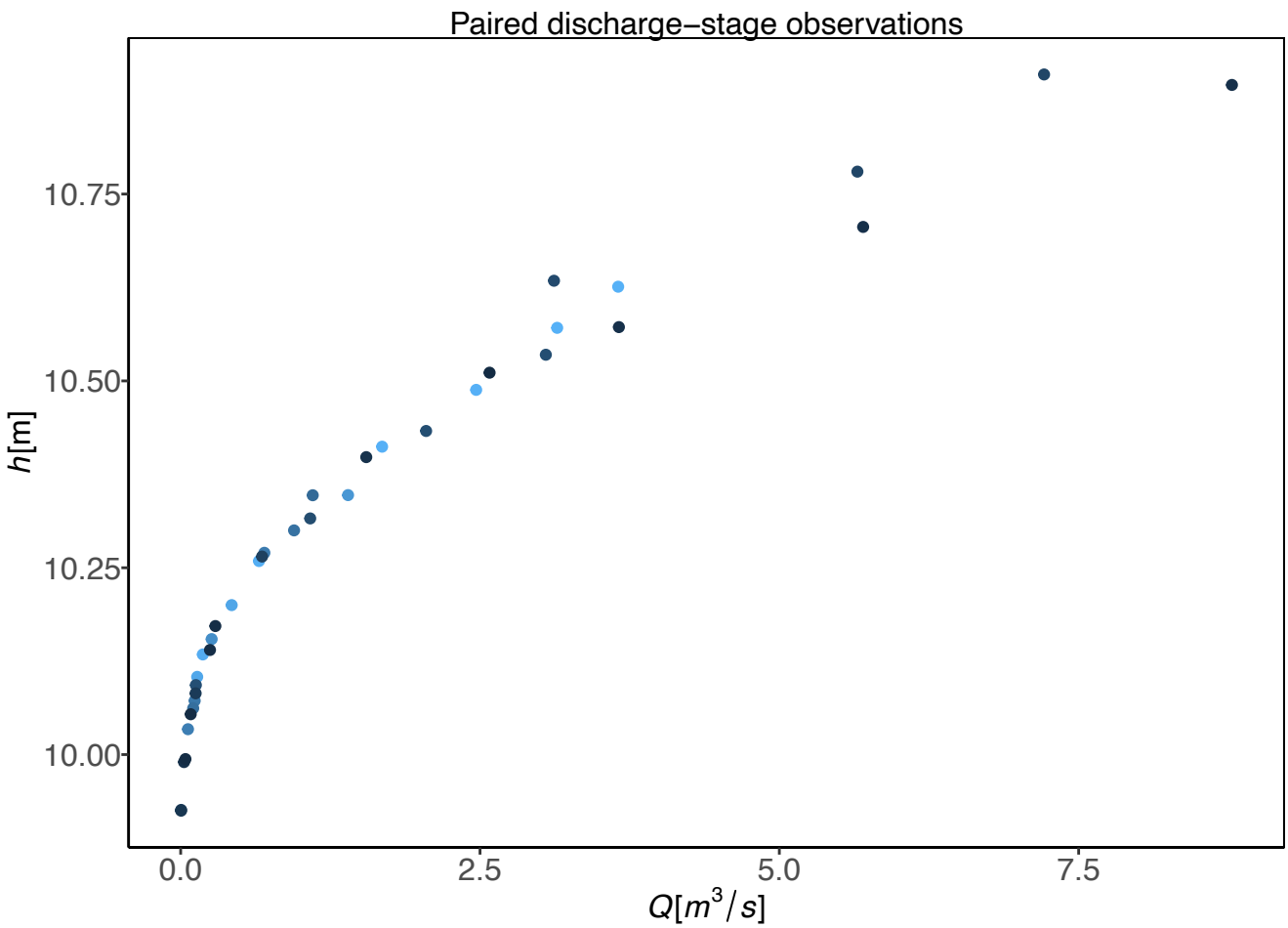
Power−law tournament results for Skärsboda, Sweden



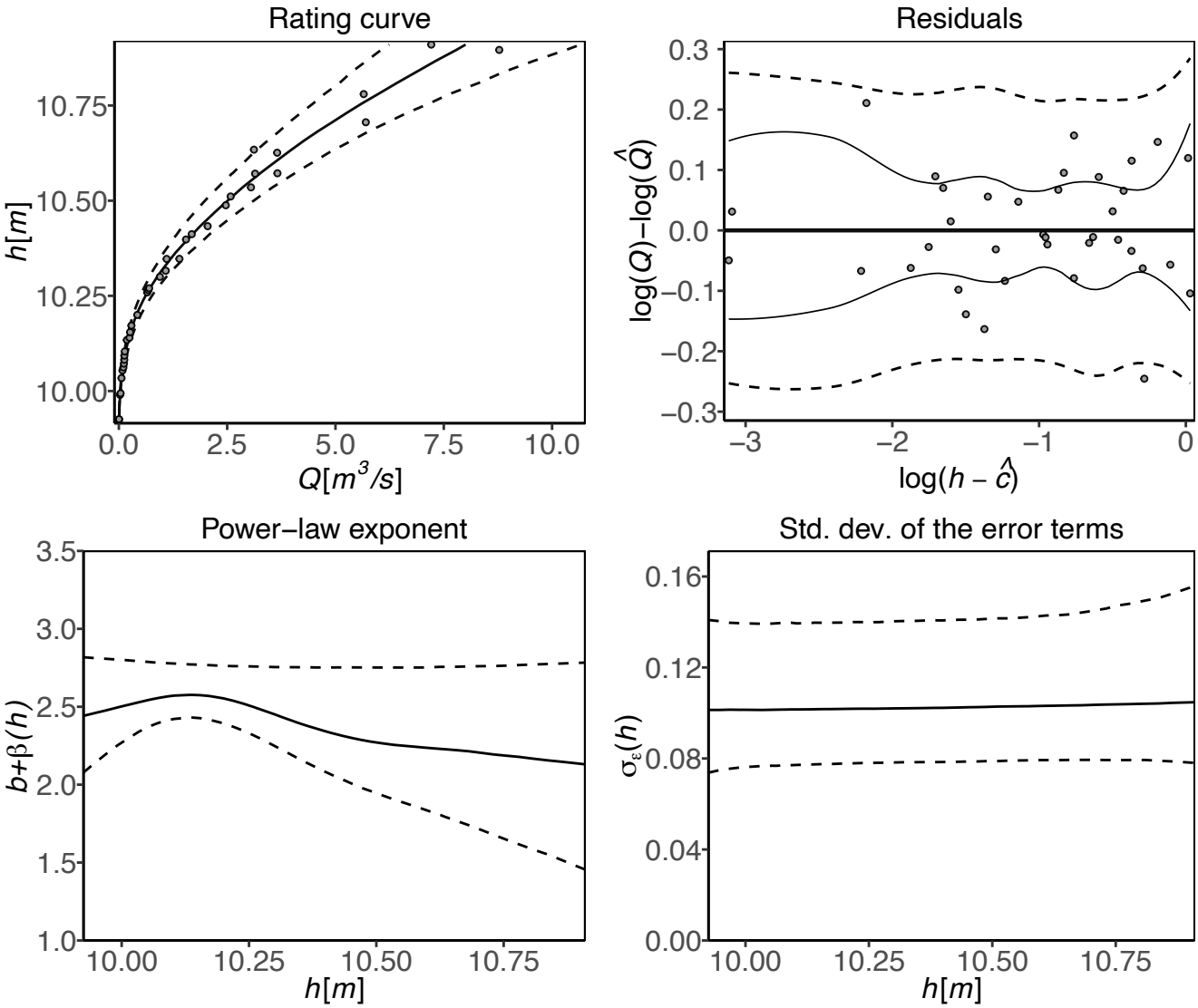
Station name:	Liffedarve
Location:	Sweden
Station number:	1859
Number of observations:	37
Start date:	1968–02–10
End date:	2018–02–06
Max. discharge (m^3/s):	8.8
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.94	0.37
GPLM0	0.00	0.59
PLM	6.83	0.02
PLM0	6.82	0.02



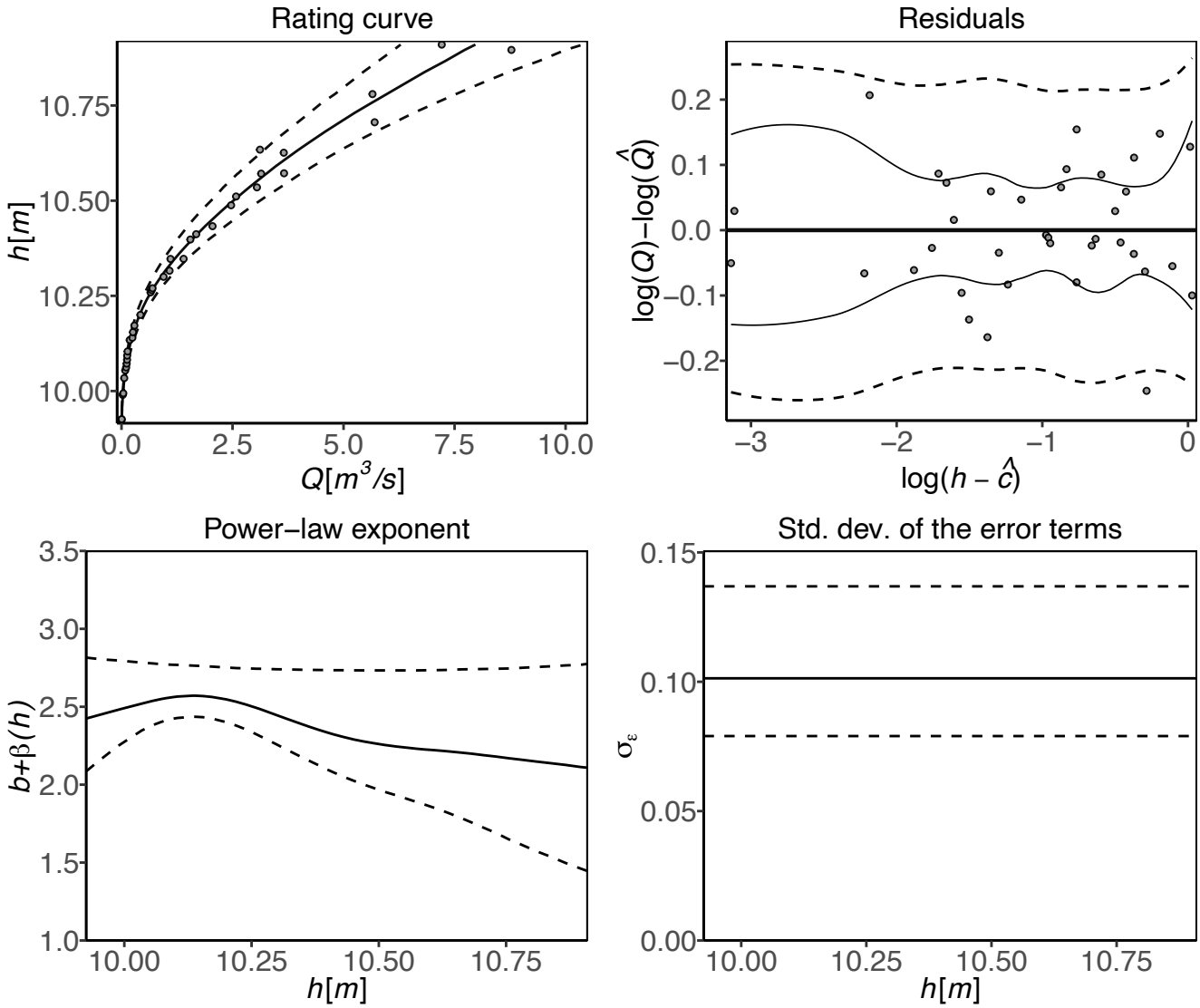


Liffedarve, Sweden – GPLM



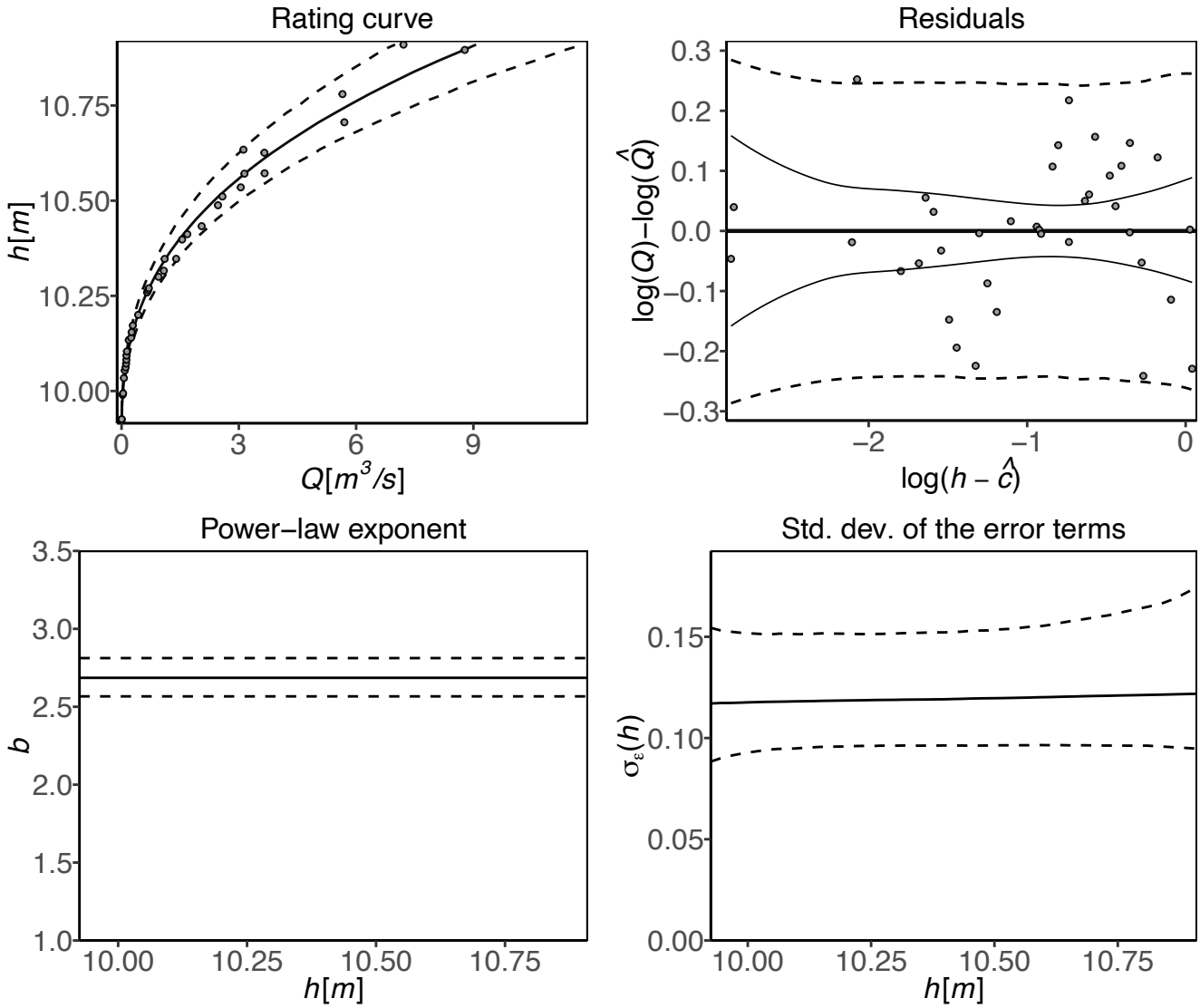
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.54	[6.64; 8.52]	1965	1.14
b	1.84	[1.83; 1.84]	9503	1.00
c	9.88	[9.86; 9.90]	1206	1.10
σ_β	0.46	[0.24; 0.98]	2068	1.01
ϕ_β	0.59	[0.28; 57144.80]	718	3.37
σ_η	0.08	[0.00; 0.41]	1490	1.01
η_1	–4.58	[–5.21; –3.92]	1407	1.09
η_2	–4.55	[–6.39; –2.64]	2184	1.00
η_3	–4.51	[–7.08; –1.88]	2140	1.00
η_4	–4.34	[–7.52; –1.27]	2360	1.00
η_5	–4.17	[–7.85; –0.64]	2198	1.00
η_6	–4.07	[–8.29; –0.19]	2156	1.00

Liffedarve, Sweden – GPLM0



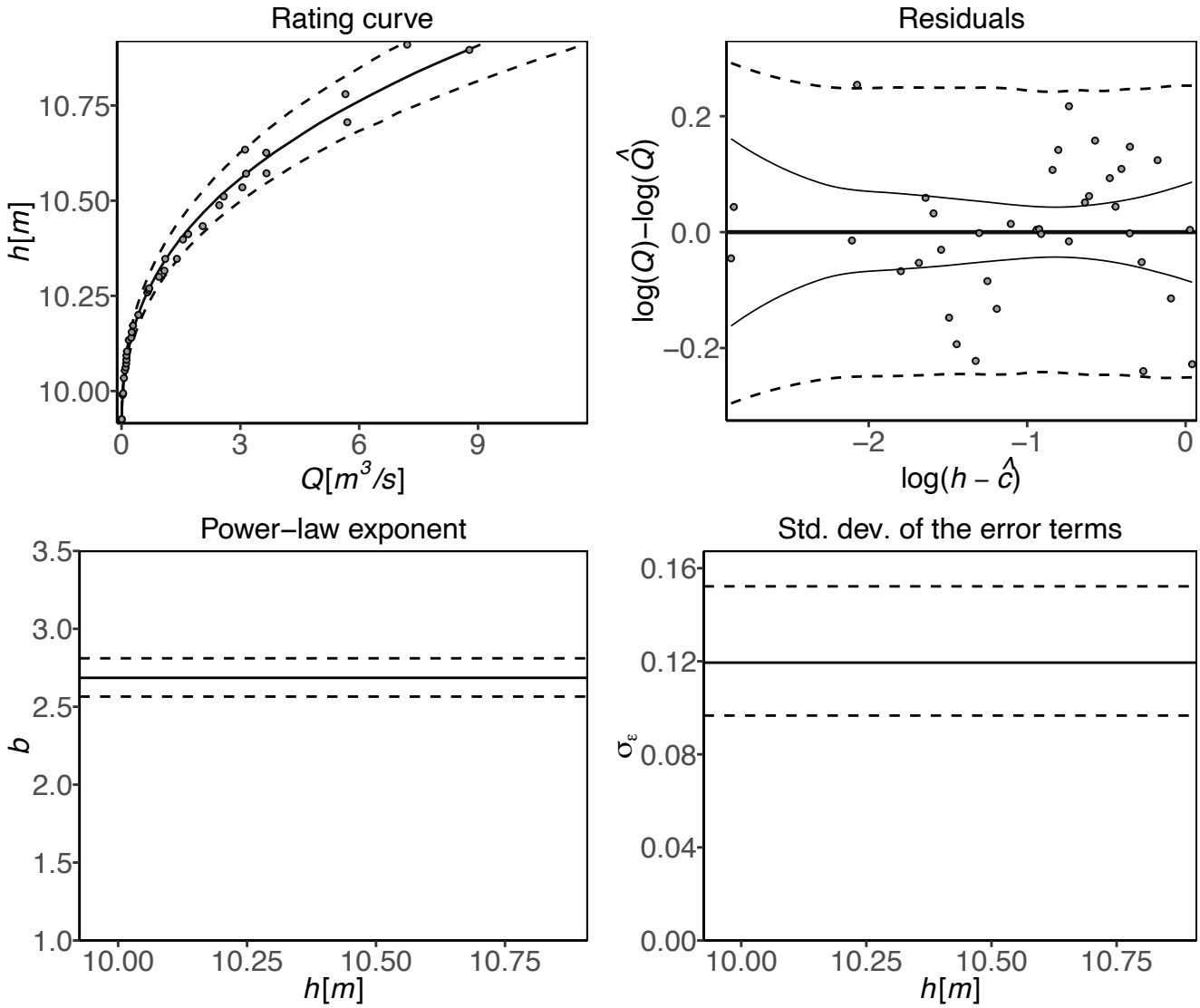
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.51	[6.67; 8.45]	2921	1.02
b	1.84	[1.83; 1.84]	11512	1.00
c	9.88	[9.86; 9.90]	1964	1.01
σ_ε	0.10	[0.08; 0.14]	2354	1.02
σ_β	0.68	[0.49; 0.97]	4235	1.00
ϕ_β	0.57	[0.28; 197.71]	765	1.10

Liffedarve, Sweden – PLM



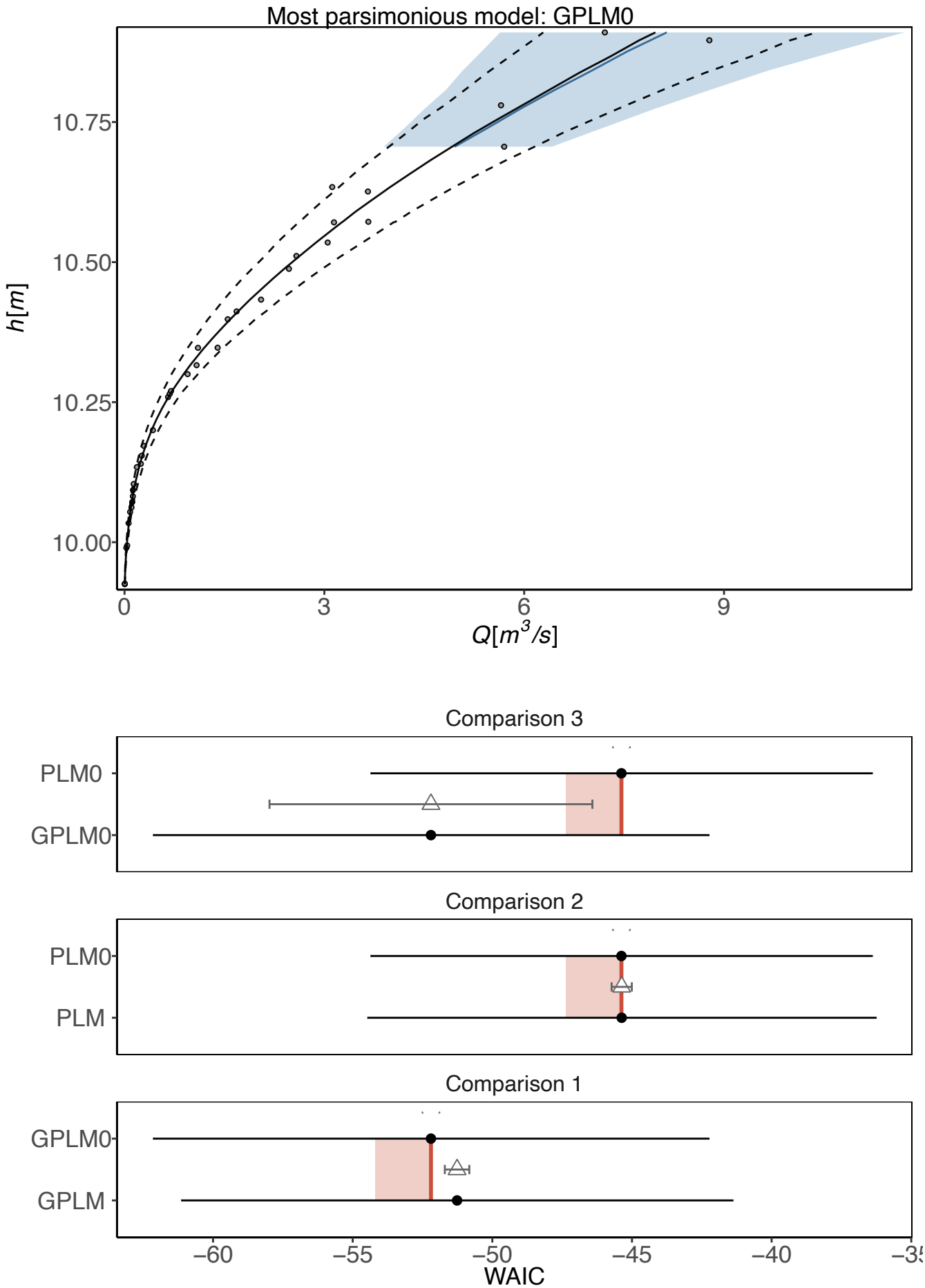
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	8.12	[7.56; 8.73]	7171	1.00
b	2.69	[2.57; 2.81]	3061	1.00
c	9.87	[9.86; 9.88]	2627	1.00
σ_η	0.08	[0.00; 0.39]	1736	1.00
η_1	–4.29	[–4.85; –3.73]	2521	1.00
η_2	–4.16	[–6.01; –2.28]	2533	1.00
η_3	–4.09	[–6.65; –1.46]	2693	1.00
η_4	–3.96	[–7.11; –0.79]	2715	1.00
η_5	–3.79	[–7.55; –0.19]	2615	1.00
η_6	–3.66	[–7.88; 0.37]	2769	1.00

Liffedarve, Sweden – PLM0



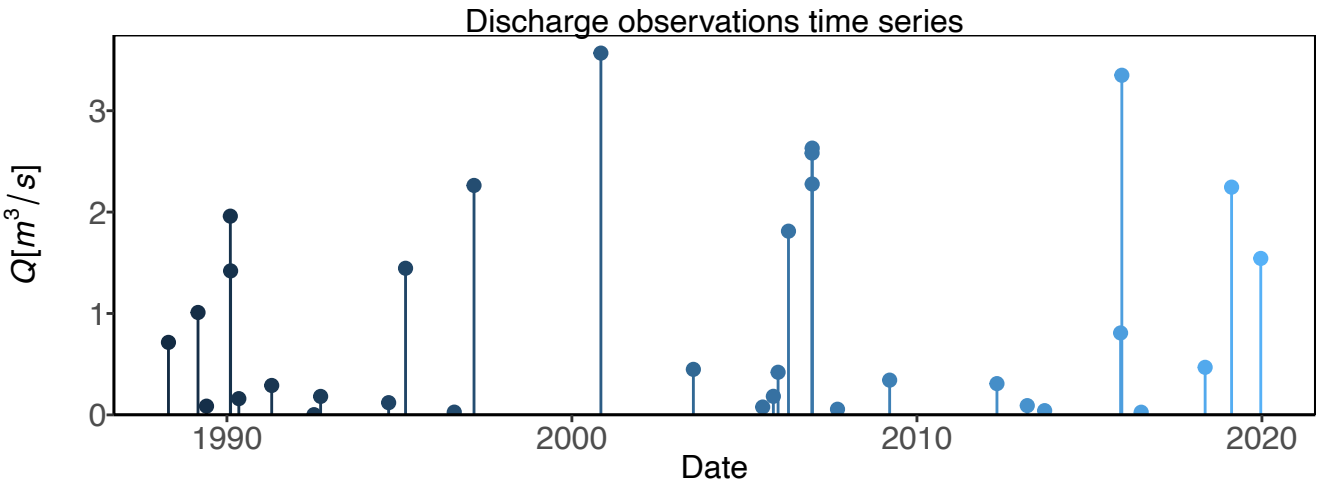
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	8.12	[7.54; 8.72]	15279	1.00
b	2.69	[2.57; 2.81]	10832	1.00
c	9.87	[9.86; 9.88]	9729	1.00
σ_ε	0.12	[0.10; 0.15]	9839	1.00

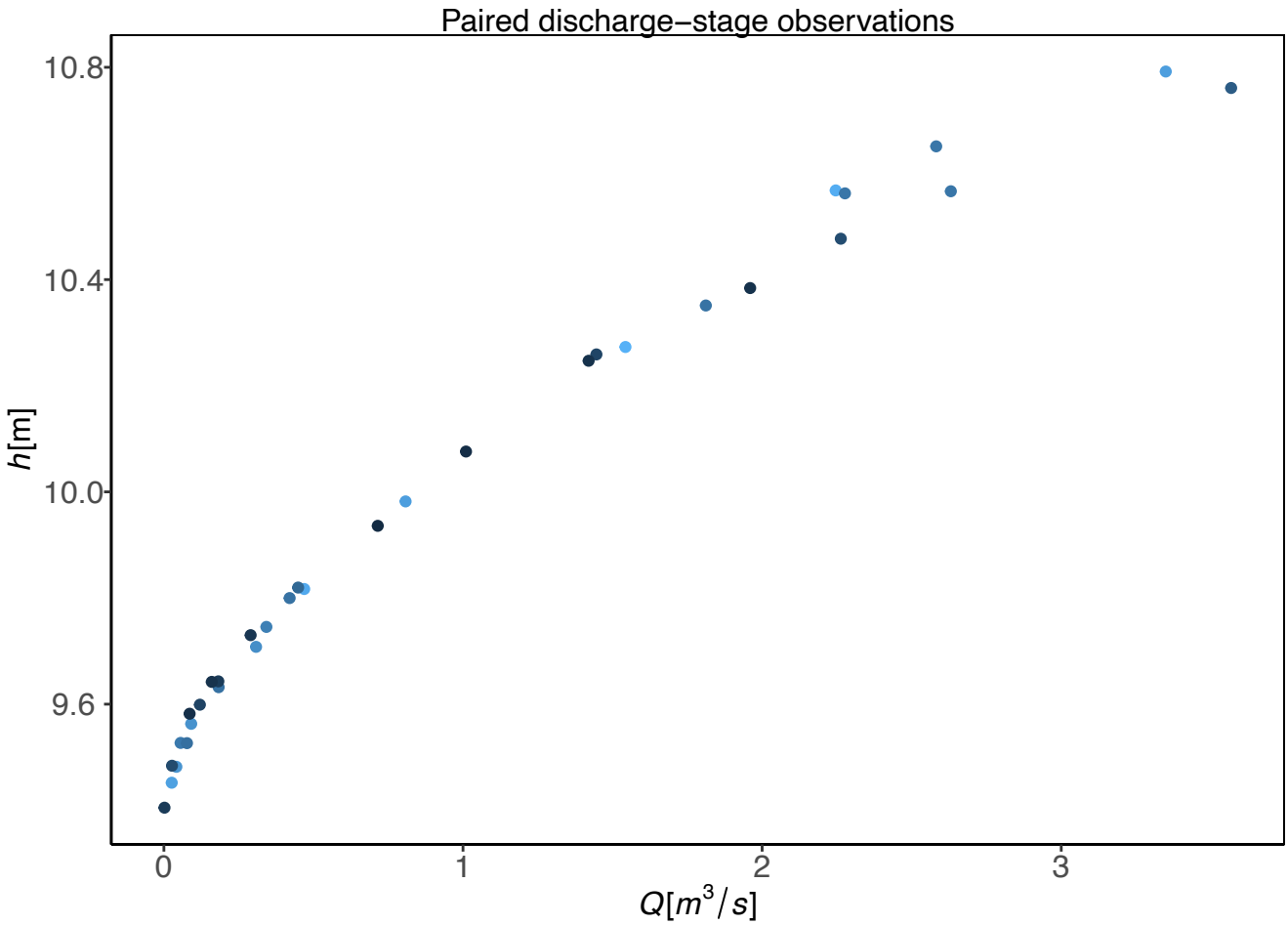
Power−law tournament results for Liffedarve, Sweden



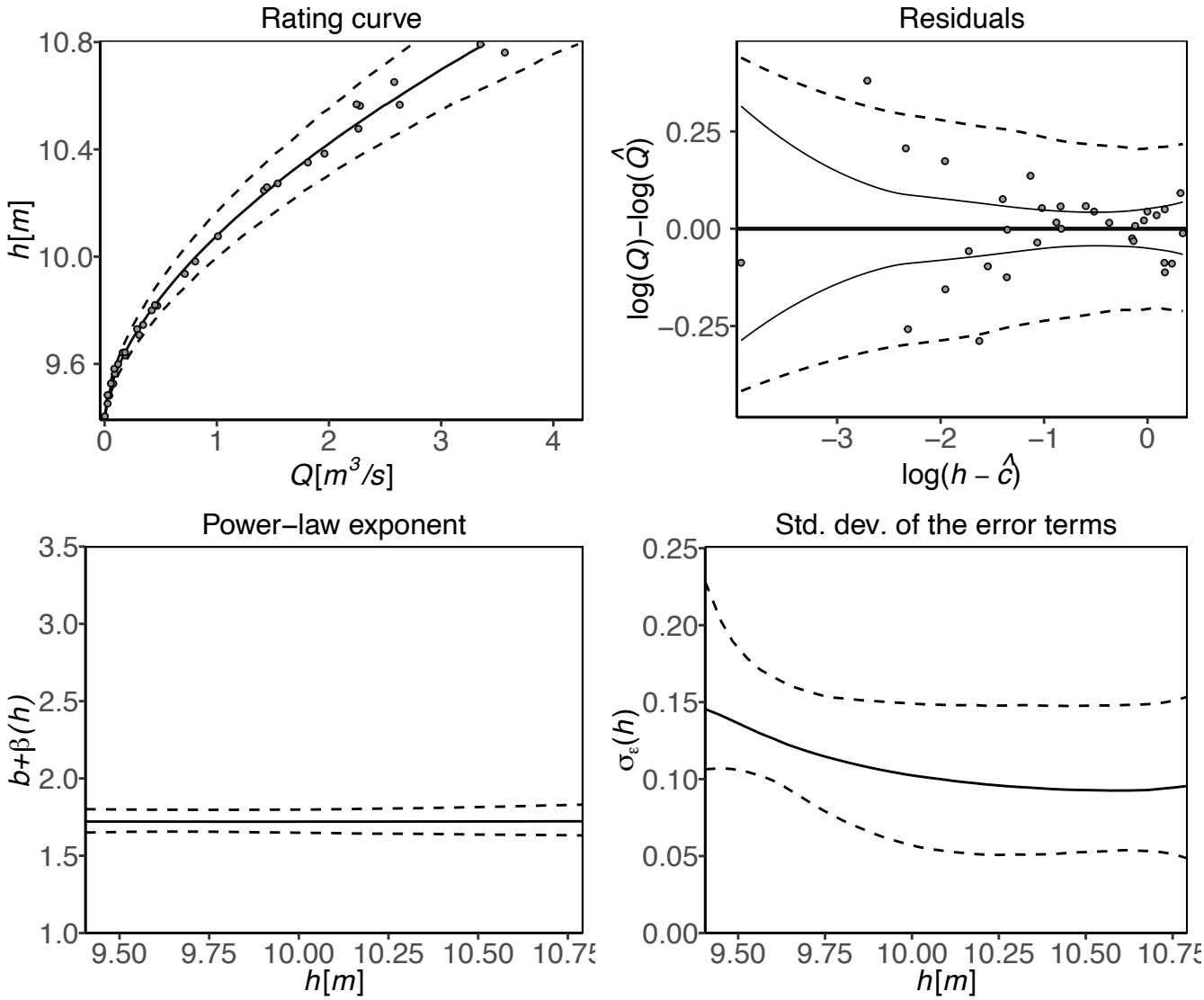
Station name:	Arödån
Location:	Sweden
Station number:	1881
Number of observations:	33
Start date:	1988–04–22
End date:	2019–12–20
Max. discharge (m^3/s):	3.6
Tournament winner:	PLM

	dWAIC	Akaike weights
GPLM	1.30	0.34
GPLM0	10.29	0.00
PLM	0.00	0.65
PLM0	8.96	0.01



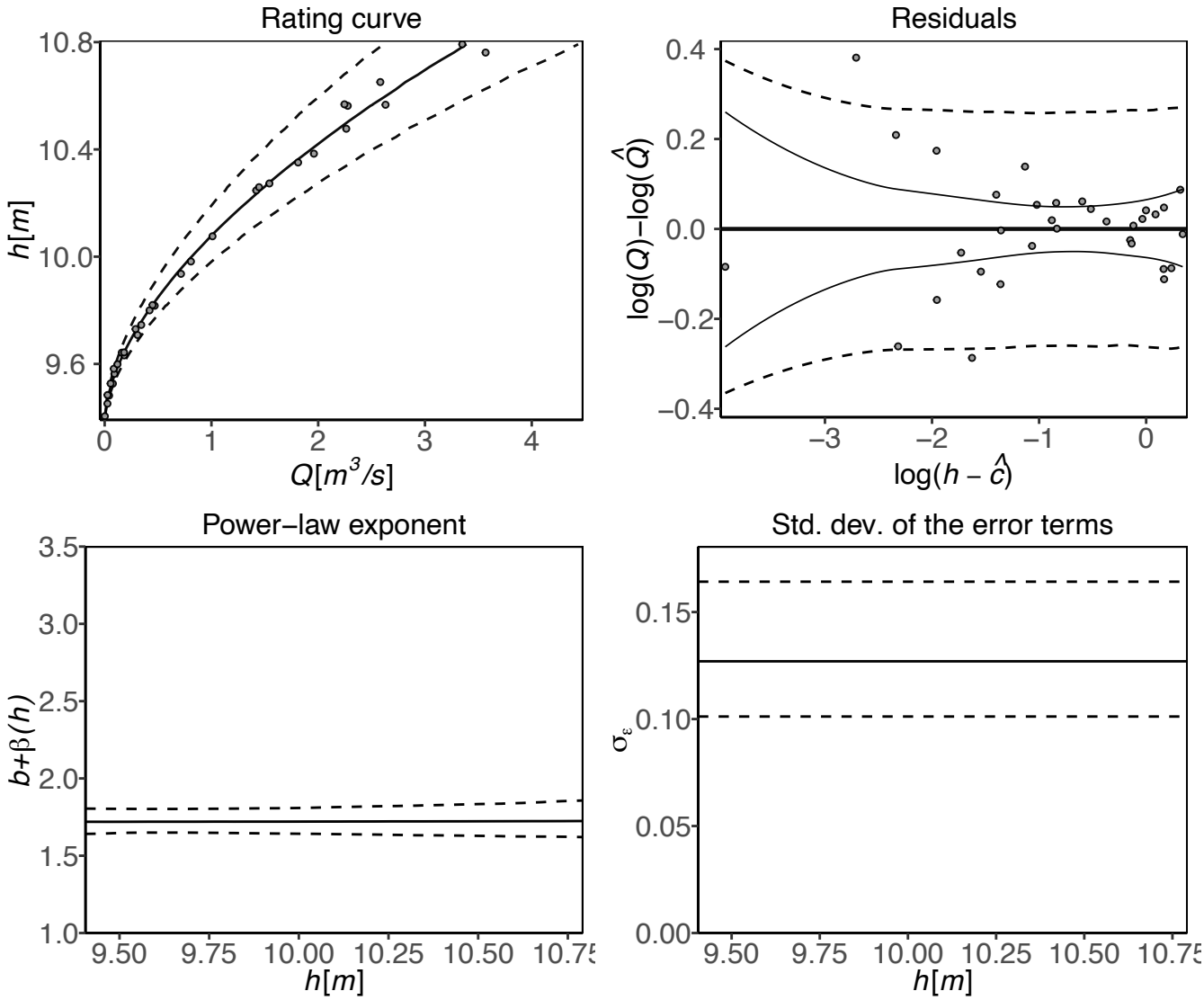


Arödån, Sweden – GPLM



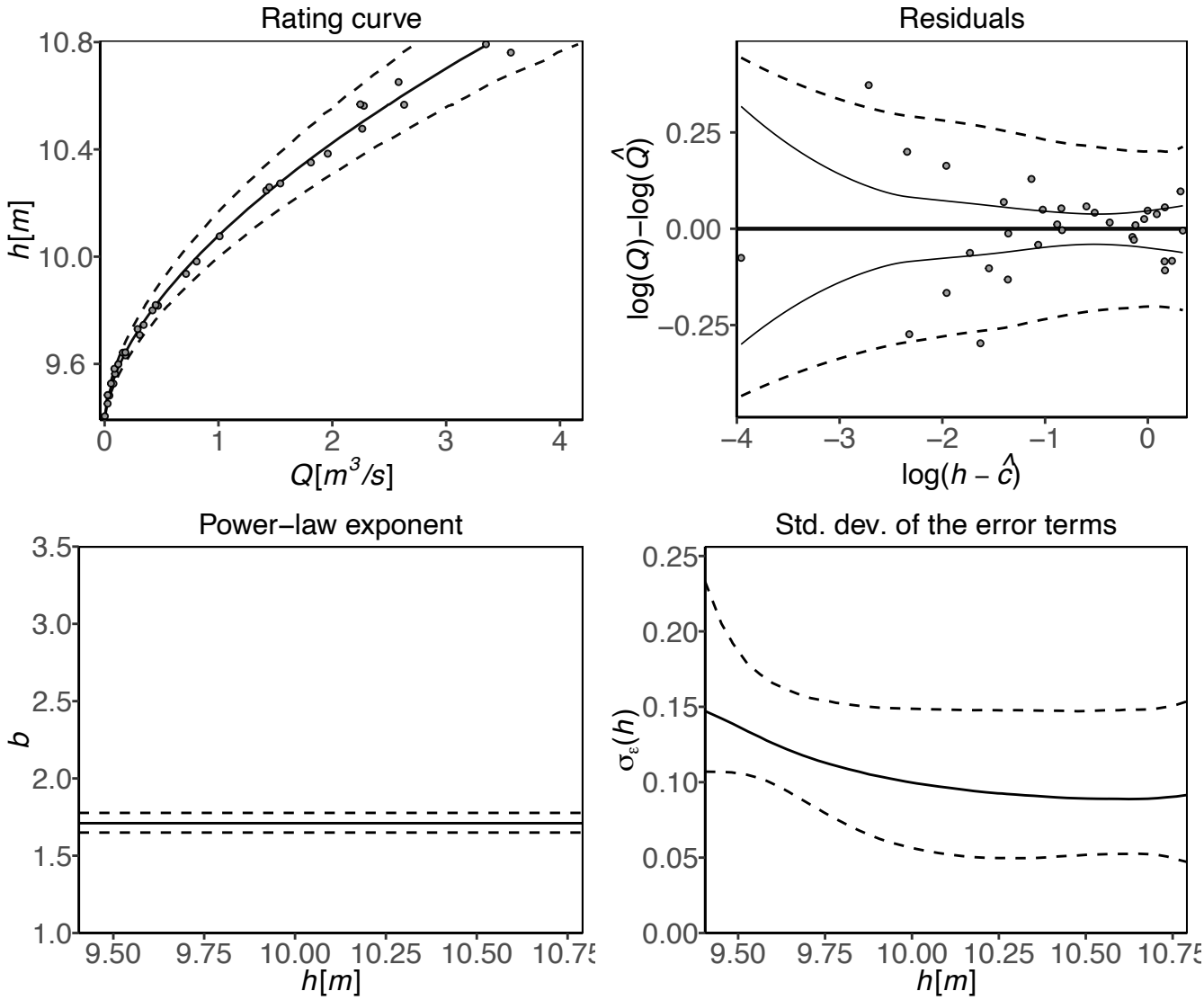
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.88	[1.79; 1.98]	9678	1.00
b	1.83	[1.83; 1.84]	10084	1.00
c	9.39	[9.38; 9.39]	2154	1.00
σ_β	0.14	[0.04; 0.49]	2400	1.00
ϕ_β	21.63	[0.94; 32467.98]	1235	1.01
σ_η	0.33	[0.02; 0.88]	881	1.02
η_1	–3.85	[–4.48; –2.95]	1775	1.00
η_2	–4.45	[–6.16; –2.85]	1779	1.00
η_3	–5.75	[–7.89; –3.07]	1593	1.01
η_4	–6.40	[–8.85; –3.08]	2089	1.00
η_5	–6.40	[–9.29; –2.89]	2533	1.00
η_6	–6.39	[–9.78; –2.70]	2258	1.00

Arödån, Sweden – GPLM0



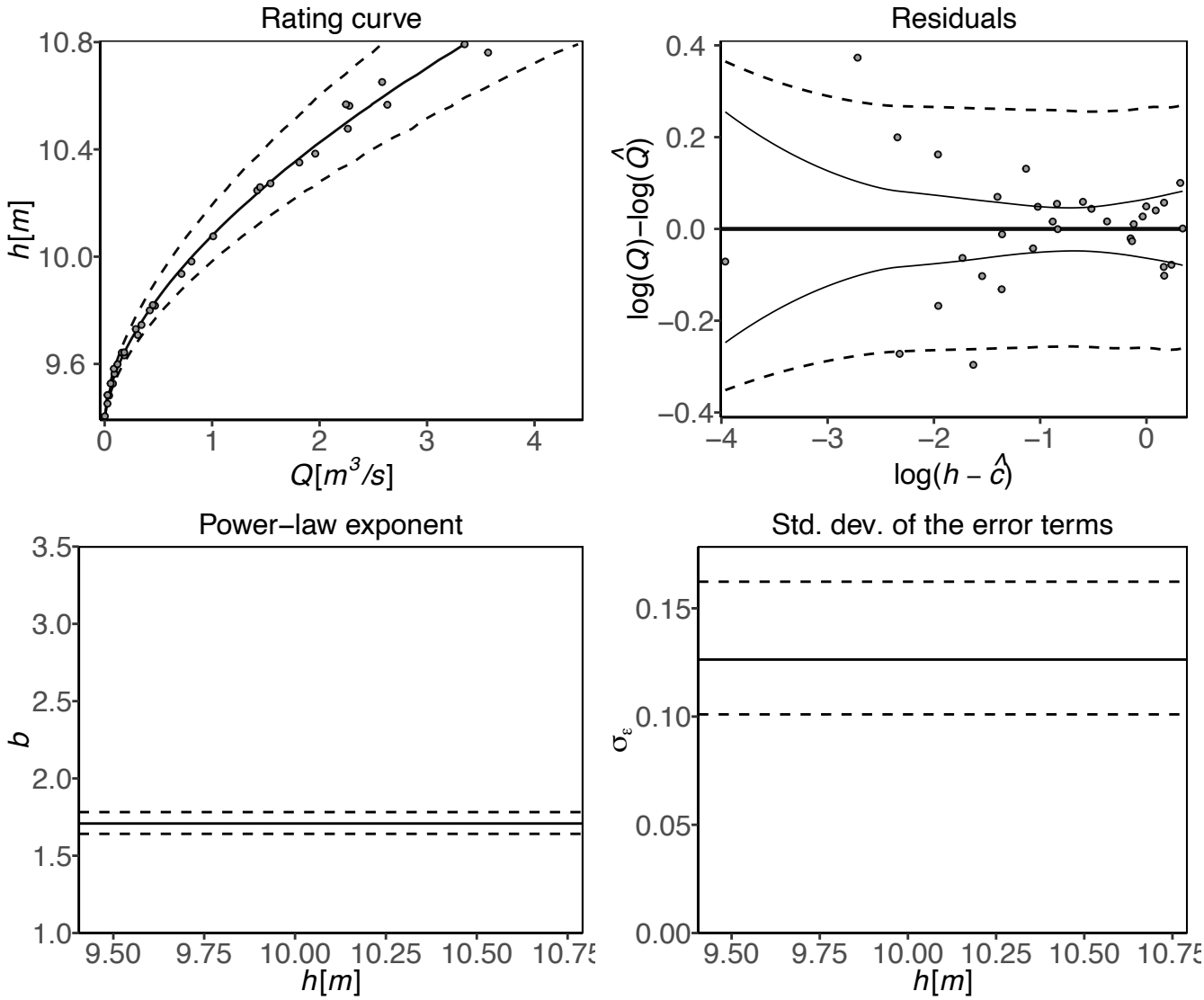
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.88	[1.77; 2.00]	10849	1.00
b	1.83	[1.83; 1.84]	11695	1.00
c	9.39	[9.38; 9.39]	3945	1.00
σ_ε	0.13	[0.10; 0.16]	5244	1.00
σ_β	0.38	[0.19; 0.71]	5160	1.00
ϕ_β	20.84	[0.80; 15706.70]	2787	1.00

Arödån, Sweden – PLM



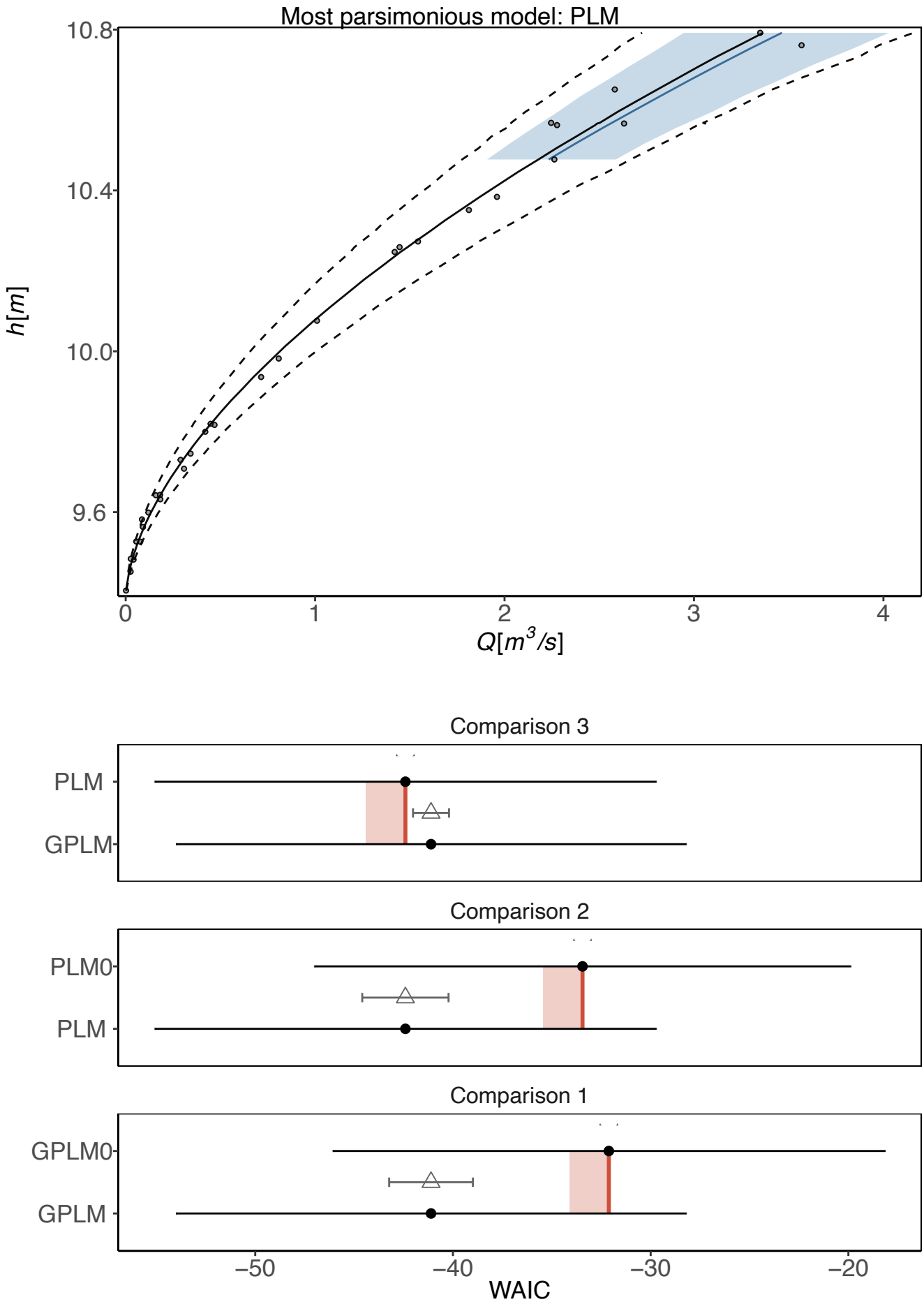
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.88	[1.79; 1.96]	10412	1.00
b	1.71	[1.65; 1.78]	4443	1.00
c	9.39	[9.38; 9.39]	2852	1.00
σ_η	0.35	[0.01; 0.90]	849	1.01
η_1	–3.83	[–4.47; –2.91]	1975	1.00
η_2	–4.47	[–6.12; –2.88]	2034	1.00
η_3	–5.80	[–7.89; –3.08]	1673	1.00
η_4	–6.45	[–9.03; –2.93]	2162	1.00
η_5	–6.47	[–9.50; –2.55]	3009	1.00
η_6	–6.45	[–9.91; –2.40]	2720	1.00

Arödån, Sweden – PLM0



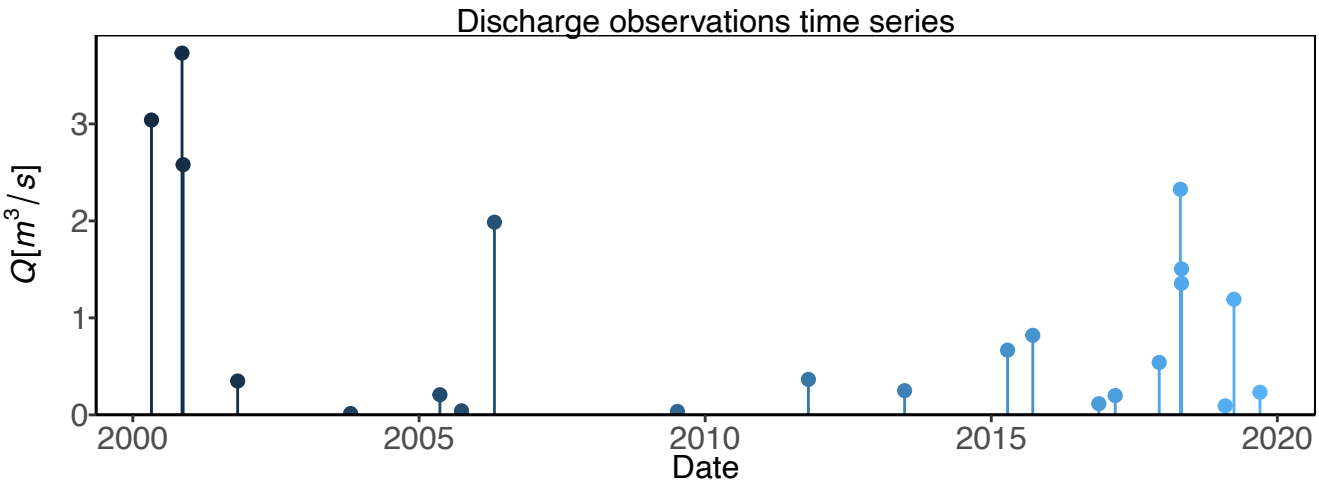
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.87	[1.76; 1.99]	16109	1.00
b	1.71	[1.64; 1.78]	10804	1.00
c	9.39	[9.38; 9.39]	8601	1.00
σ_ε	0.13	[0.10; 0.16]	9111	1.00

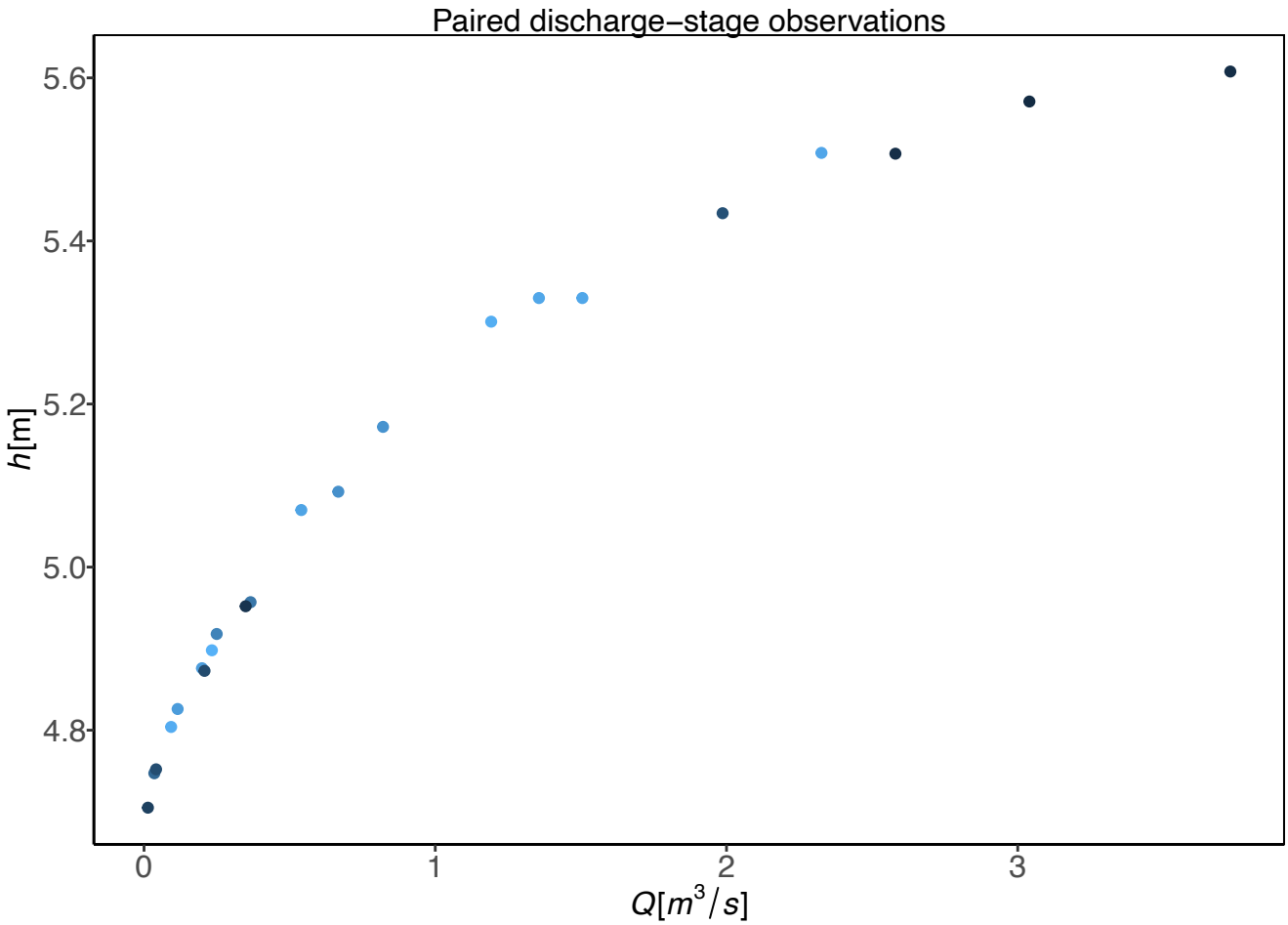
Power−law tournament results for Arödån, Sweden



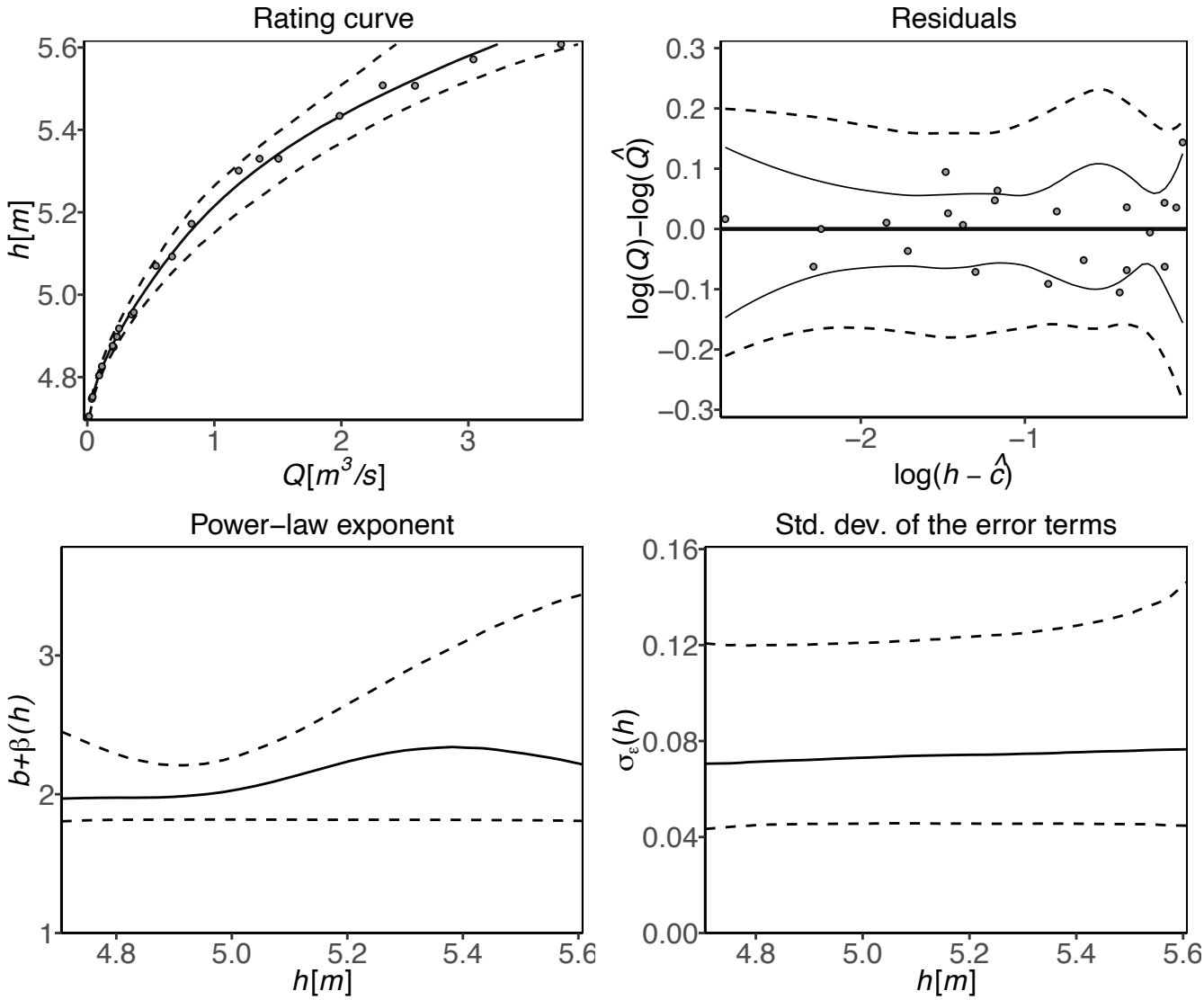
Station name:	Lisjöbäcken
Location:	Sweden
Station number:	1882
Number of observations:	22
Start date:	2000–04–29
End date:	2019–09–12
Max. discharge (m^3/s):	3.7
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.73
GPLM0	2.29	0.23
PLM	7.09	0.02
PLM0	8.07	0.01



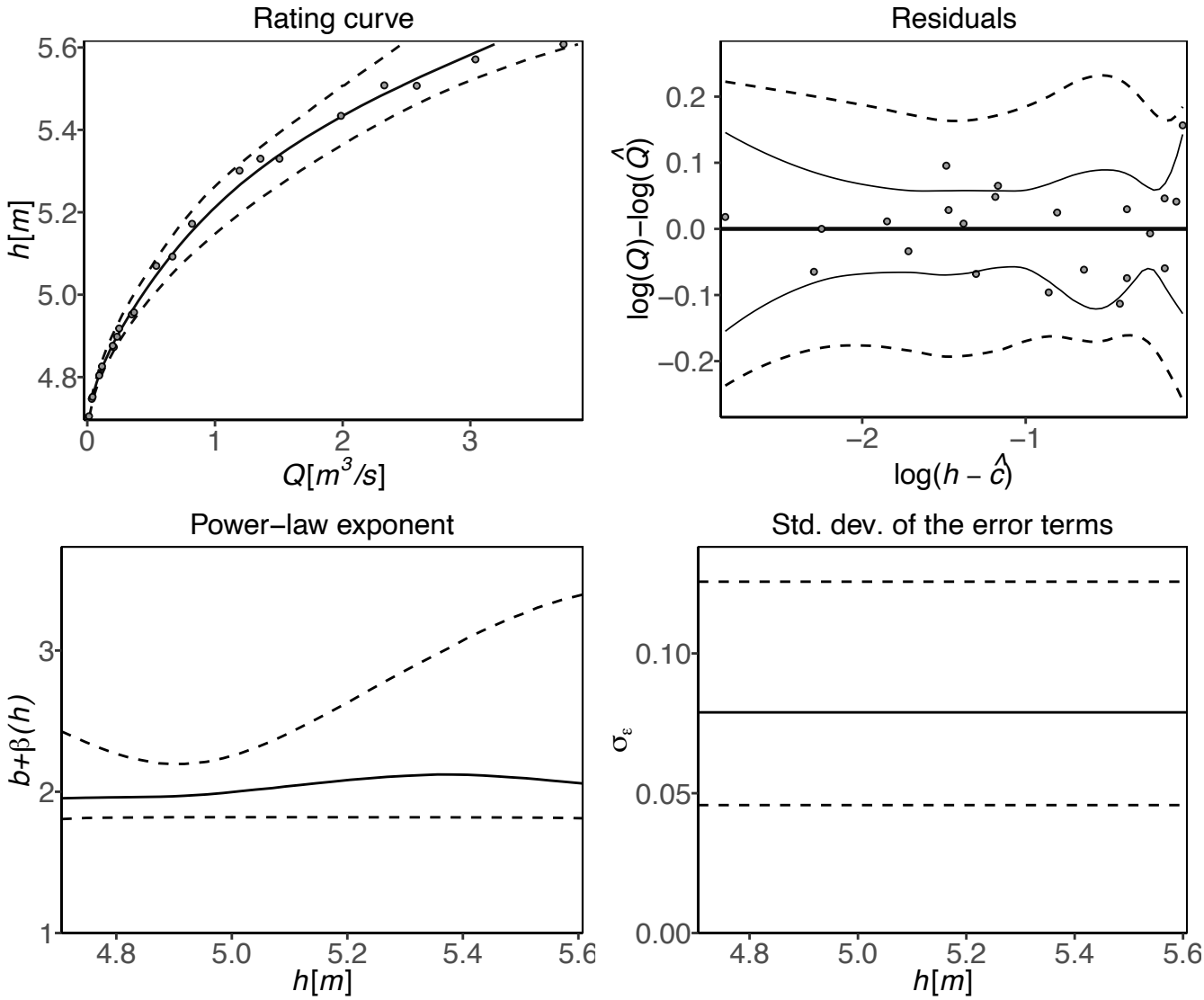


Lisjöbäcken, Sweden – GPLM



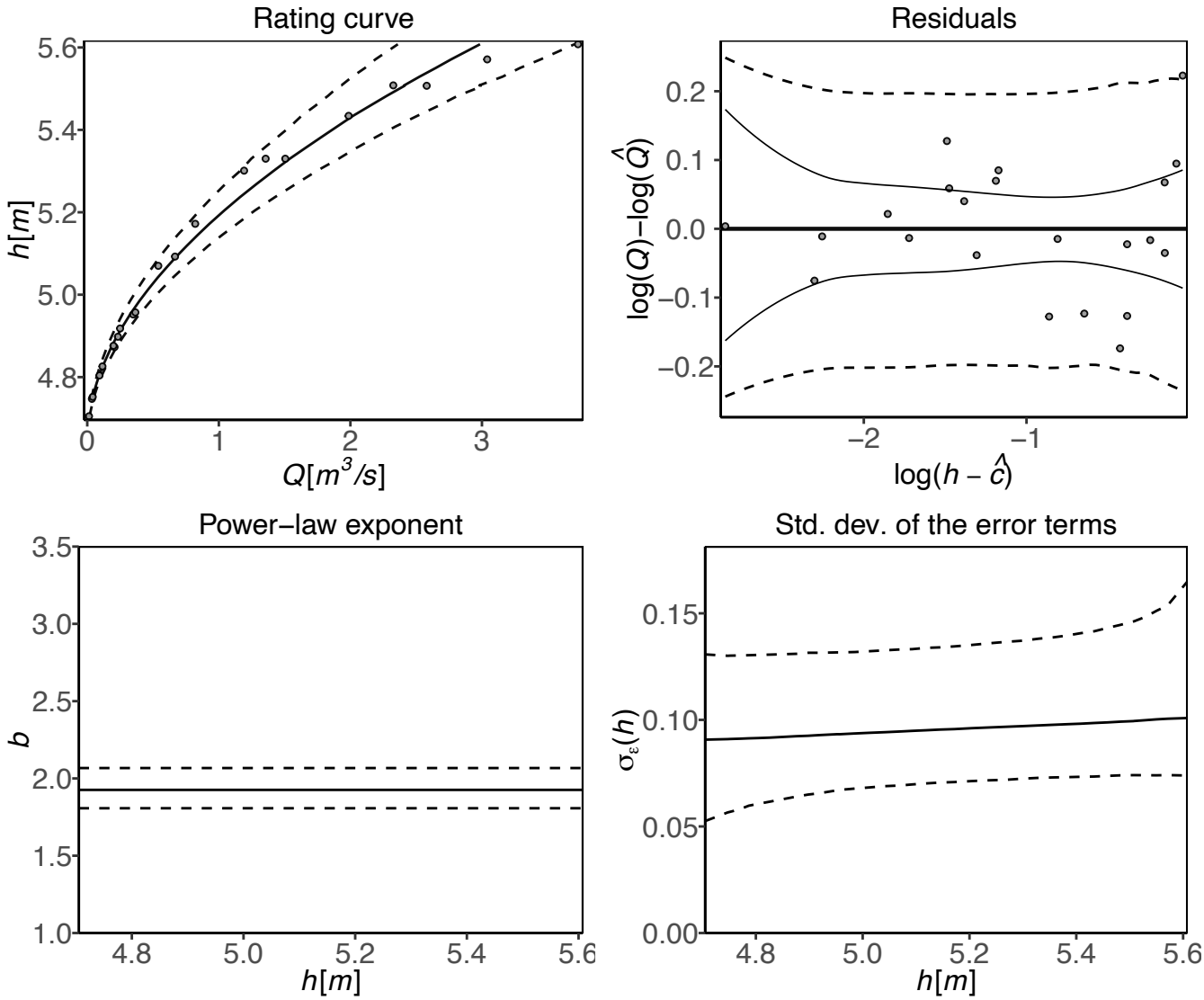
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.40	[2.98; 4.04]	1088	1.18
b	1.84	[1.83; 1.84]	8201	1.00
c	4.65	[4.60; 4.66]	1321	1.06
σ_β	0.33	[0.02; 1.06]	818	1.22
ϕ_β	0.85	[0.33; 508.89]	727	1.48
σ_η	0.09	[0.00; 0.47]	1351	1.01
η_1	–5.30	[–6.28; –4.23]	1053	1.11
η_2	–5.18	[–7.24; –3.10]	2021	1.00
η_3	–5.02	[–7.80; –2.31]	2192	1.00
η_4	–4.87	[–8.41; –1.47]	2081	1.01
η_5	–4.69	[–8.85; –0.82]	2103	1.01
η_6	–4.51	[–9.21; –0.04]	2124	1.01

Lisjöbäcken, Sweden – GPLM0



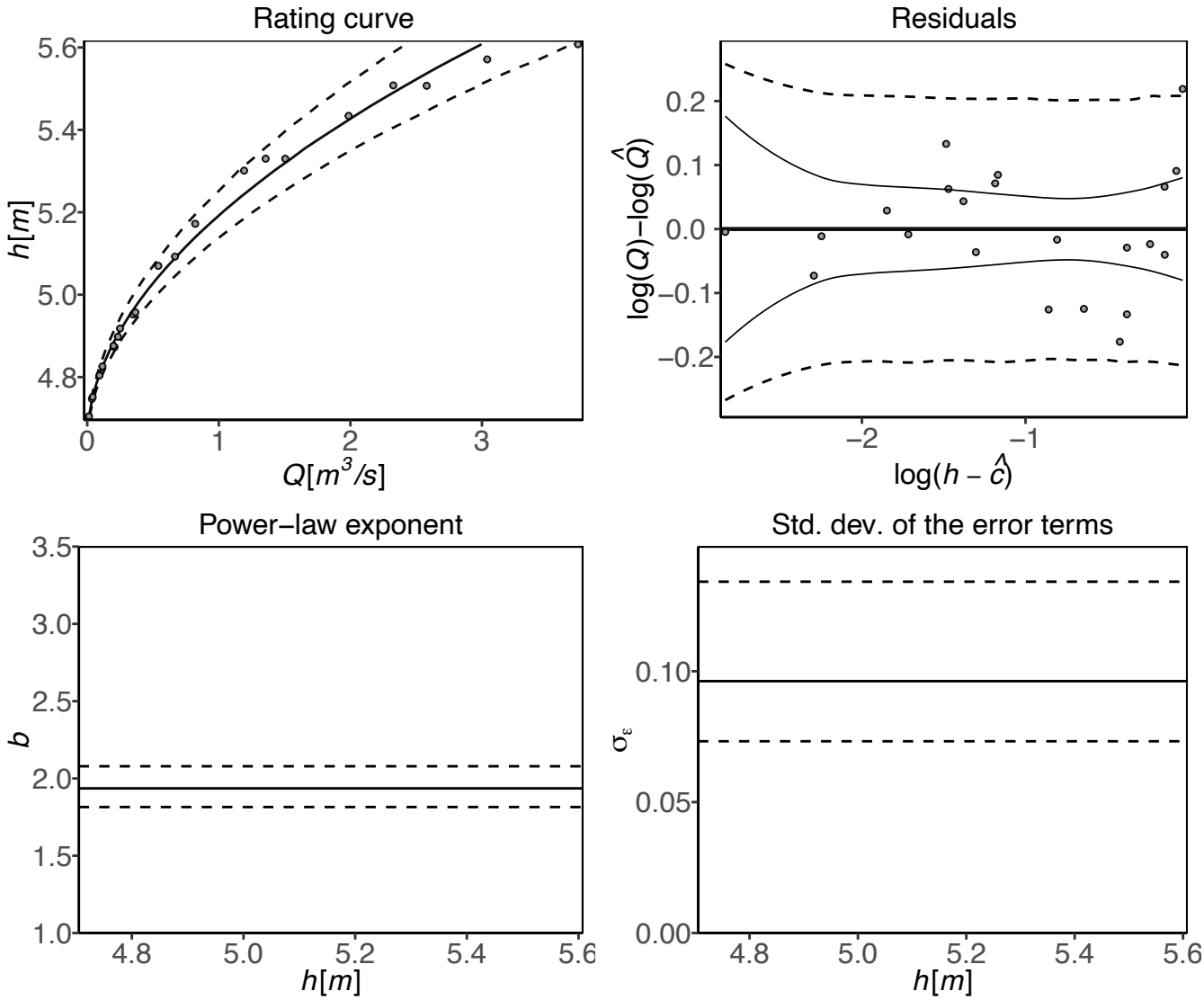
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.36	[3.00; 4.01]	1190	1.08
b	1.84	[1.83; 1.84]	12454	1.00
c	4.65	[4.60; 4.66]	1872	1.04
σ_ε	0.08	[0.05; 0.13]	1072	1.09
σ_β	0.54	[0.11; 1.00]	925	1.09
ϕ_β	1.03	[0.33; 1283.52]	740	1.15

Lisjöbäcken, Sweden – PLM



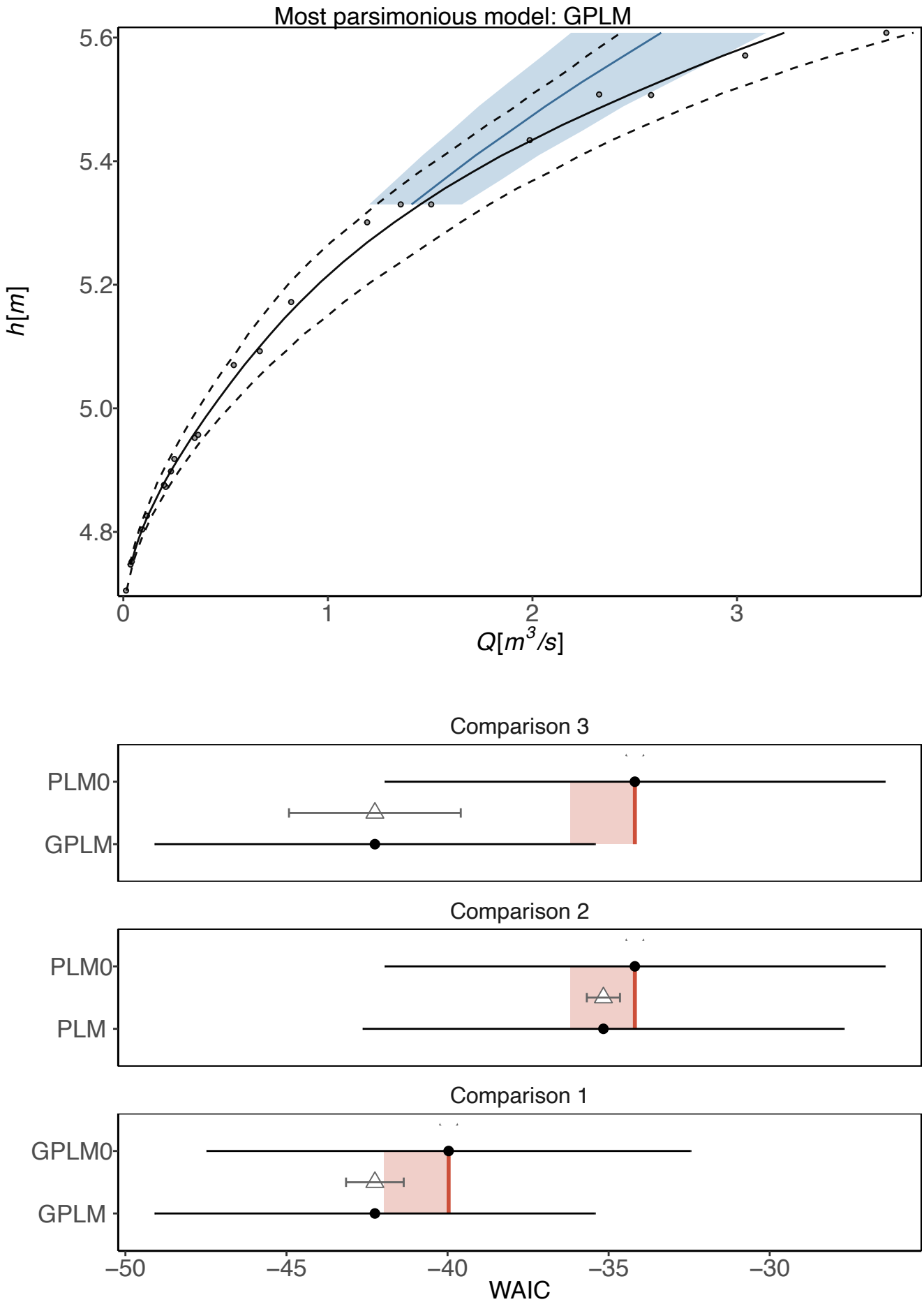
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.21	[2.97; 3.46]	6204	1.00
b	1.93	[1.81; 2.07]	2334	1.00
c	4.65	[4.63; 4.66]	2115	1.00
σ_η	0.10	[0.00; 0.53]	1228	1.01
η_1	–4.80	[–5.89; –4.07]	2830	1.00
η_2	–4.66	[–6.51; –2.75]	2104	1.00
η_3	–4.33	[–6.88; –1.75]	2147	1.00
η_4	–4.00	[–7.38; –1.07]	2170	1.00
η_5	–3.78	[–7.67; –0.41]	2407	1.00
η_6	–3.53	[–7.96; 0.26]	2439	1.00

Lisjöbäcken, Sweden – PLM0



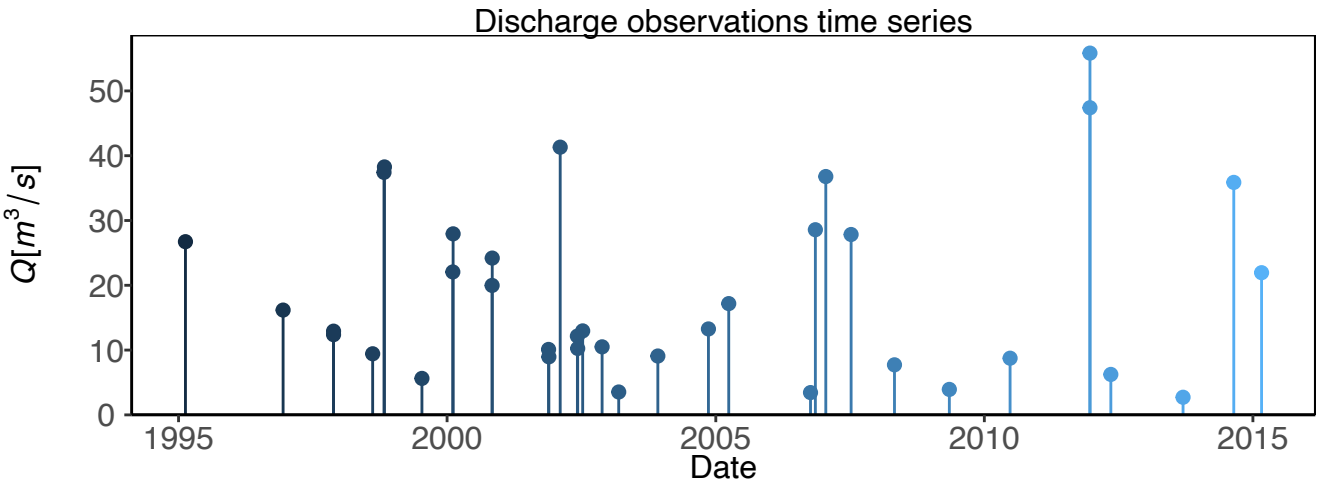
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.23	[3.00; 3.46]	15585	1.00
b	1.94	[1.81; 2.08]	9395	1.00
c	4.65	[4.63; 4.66]	8651	1.00
σ_ε	0.10	[0.07; 0.13]	9236	1.00

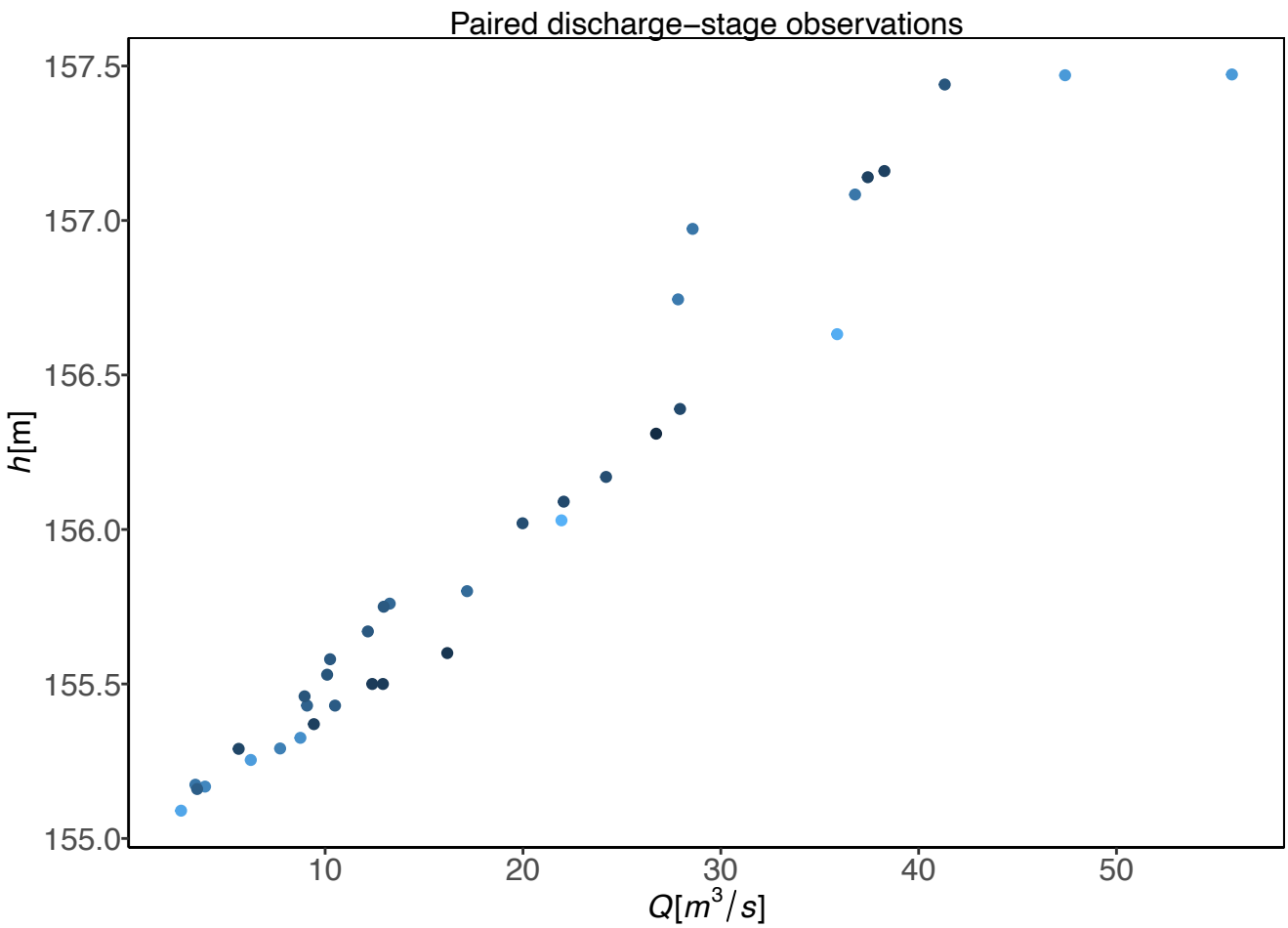
Power–law tournament results for Lisjöbäcken, Sweden



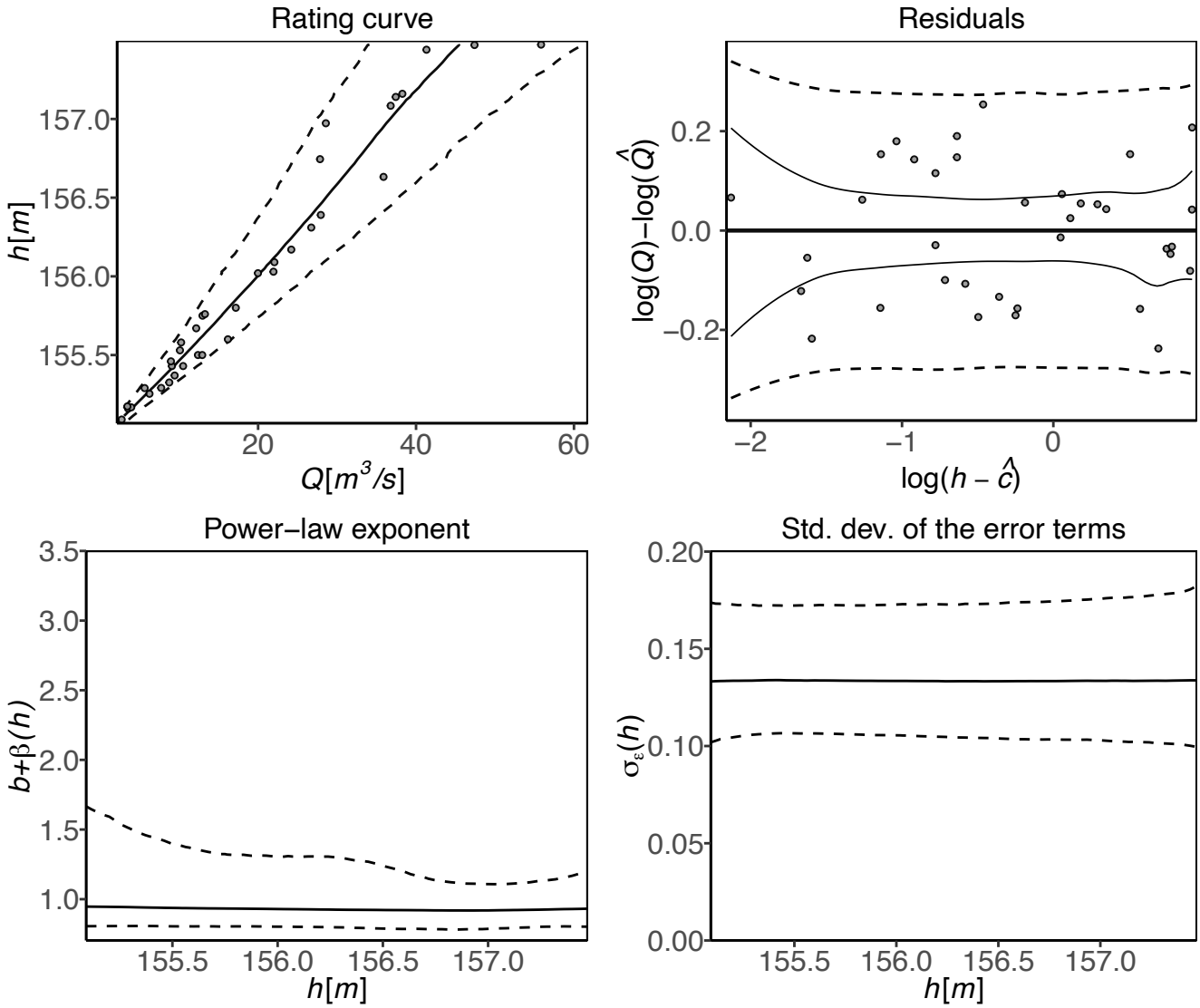
Station name:	Nissafors 2
Location:	Sweden
Station number:	1901
Number of observations:	36
Start date:	1995–02–17
End date:	2015–03–01
Max. discharge (m^3/s):	55.8
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.70	0.21
GPLM0	0.50	0.23
PLM	0.26	0.26
PLM0	0.00	0.30



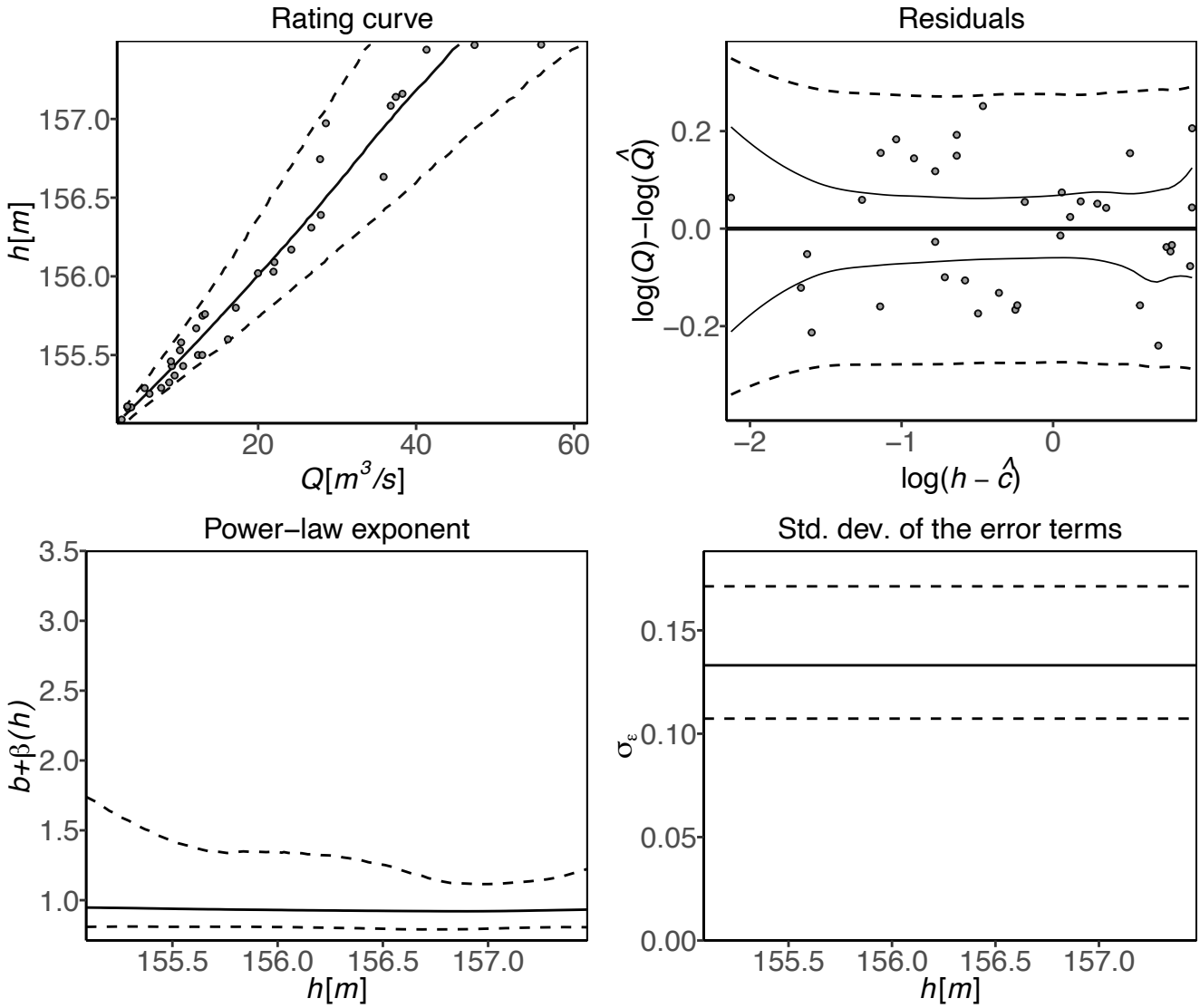


Nissafors 2, Sweden – GPLM



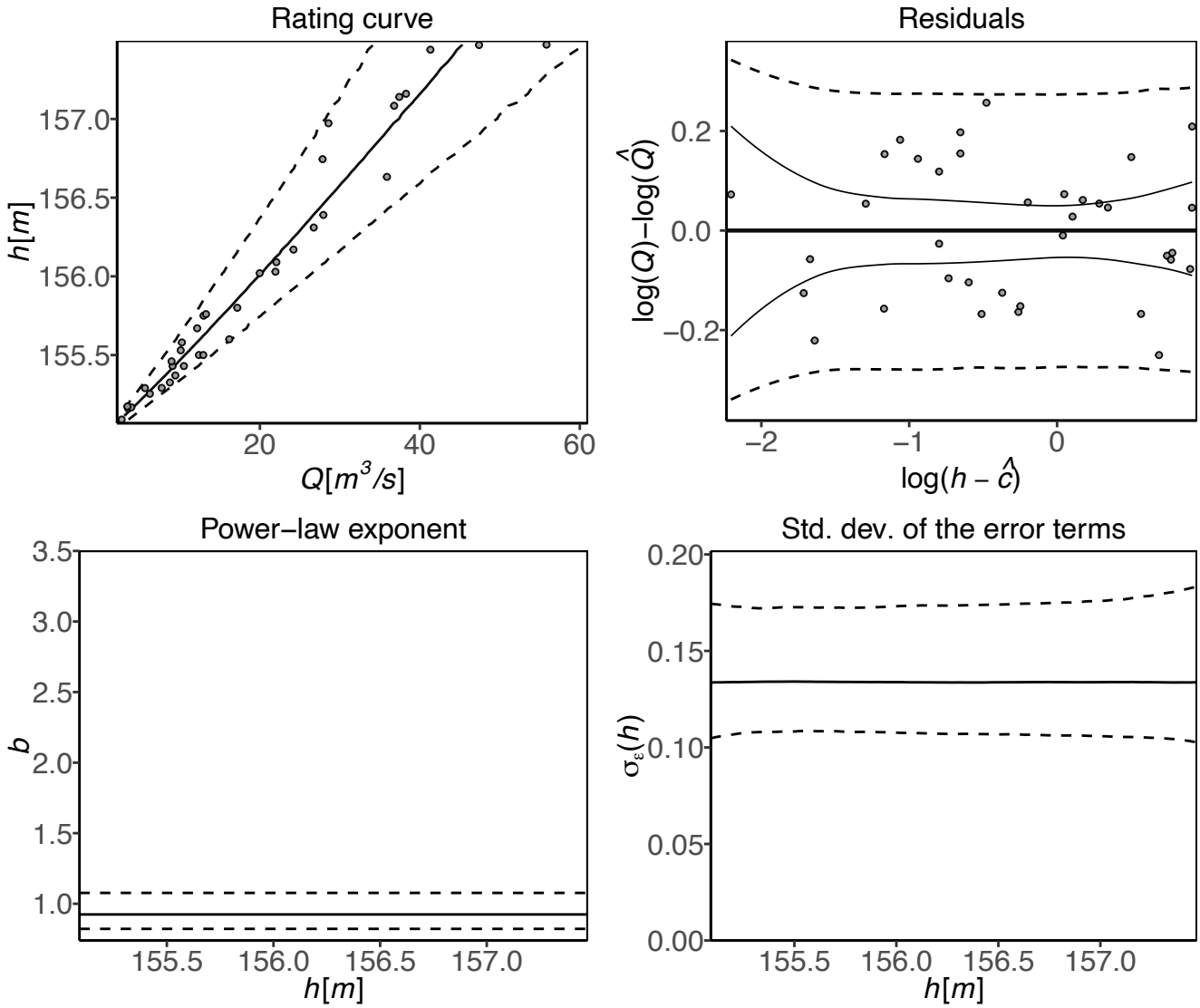
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	19.26	[14.66; 20.92]	1274	1.00
b	1.83	[1.83; 1.84]	9823	1.00
c	154.97	[154.72; 155.03]	1203	1.01
σ_β	0.54	[0.29; 1.09]	2331	1.00
ϕ_β	27.35	[0.91; 17565.17]	1093	1.01
σ_η	0.07	[0.00; 0.36]	1663	1.00
η_1	–4.03	[–4.57; –3.50]	1982	1.00
η_2	–3.93	[–5.92; –2.10]	2354	1.00
η_3	–4.01	[–6.65; –1.34]	2328	1.00
η_4	–4.03	[–7.31; –0.85]	2377	1.00
η_5	–4.02	[–7.78; –0.38]	2410	1.00
η_6	–4.03	[–8.11; 0.11]	2506	1.00

Nissafors 2, Sweden – GPLM0



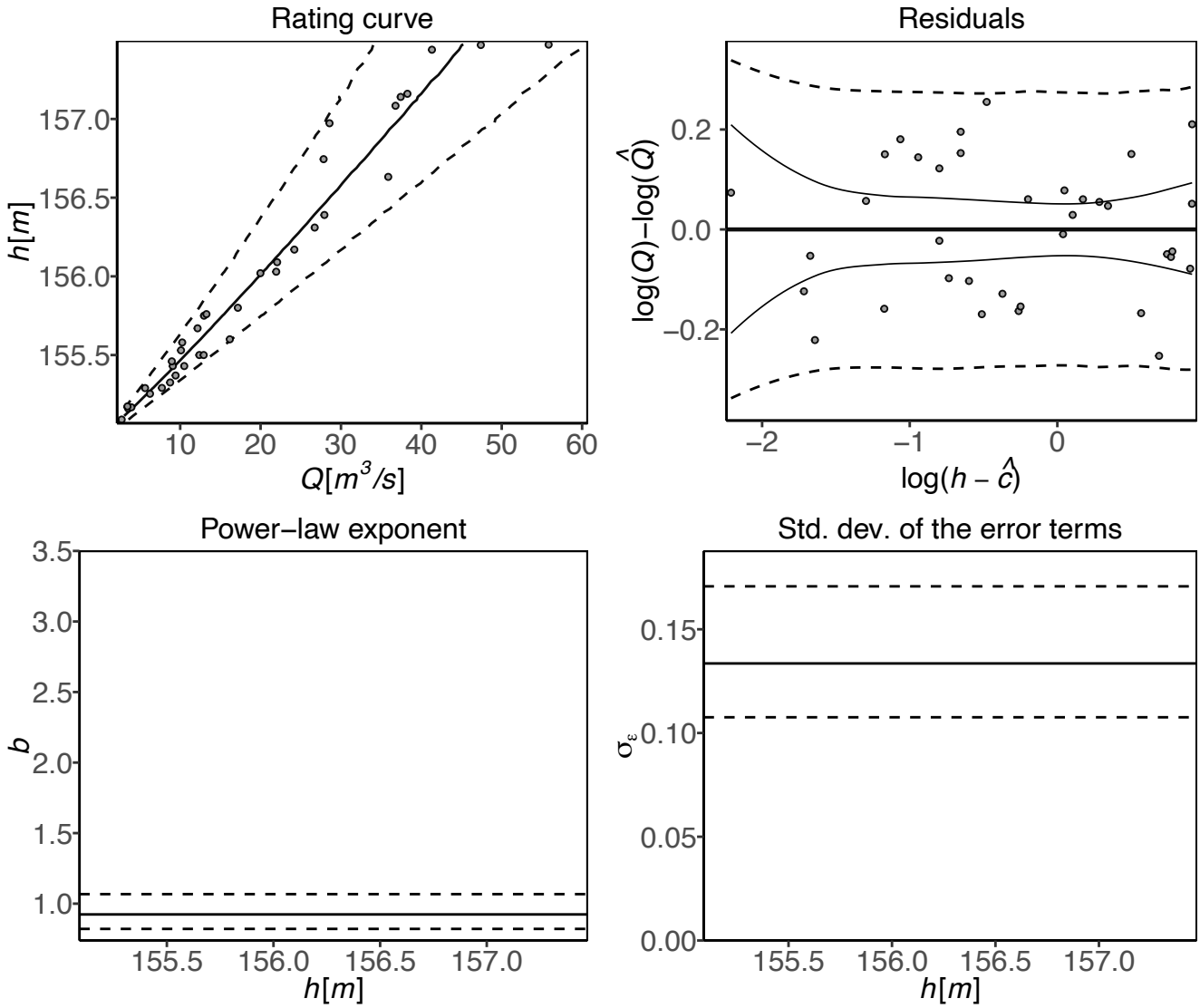
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	19.26	[14.24; 20.92]	2128	1.00
b	1.83	[1.83; 1.84]	13743	1.00
c	154.97	[154.70; 155.03]	2167	1.00
σ_ε	0.13	[0.11; 0.17]	4727	1.00
σ_β	0.73	[0.54; 1.03]	5427	1.00
ϕ_β	27.65	[0.91; 29362.85]	1867	1.00

Nissafors 2, Sweden – PLM



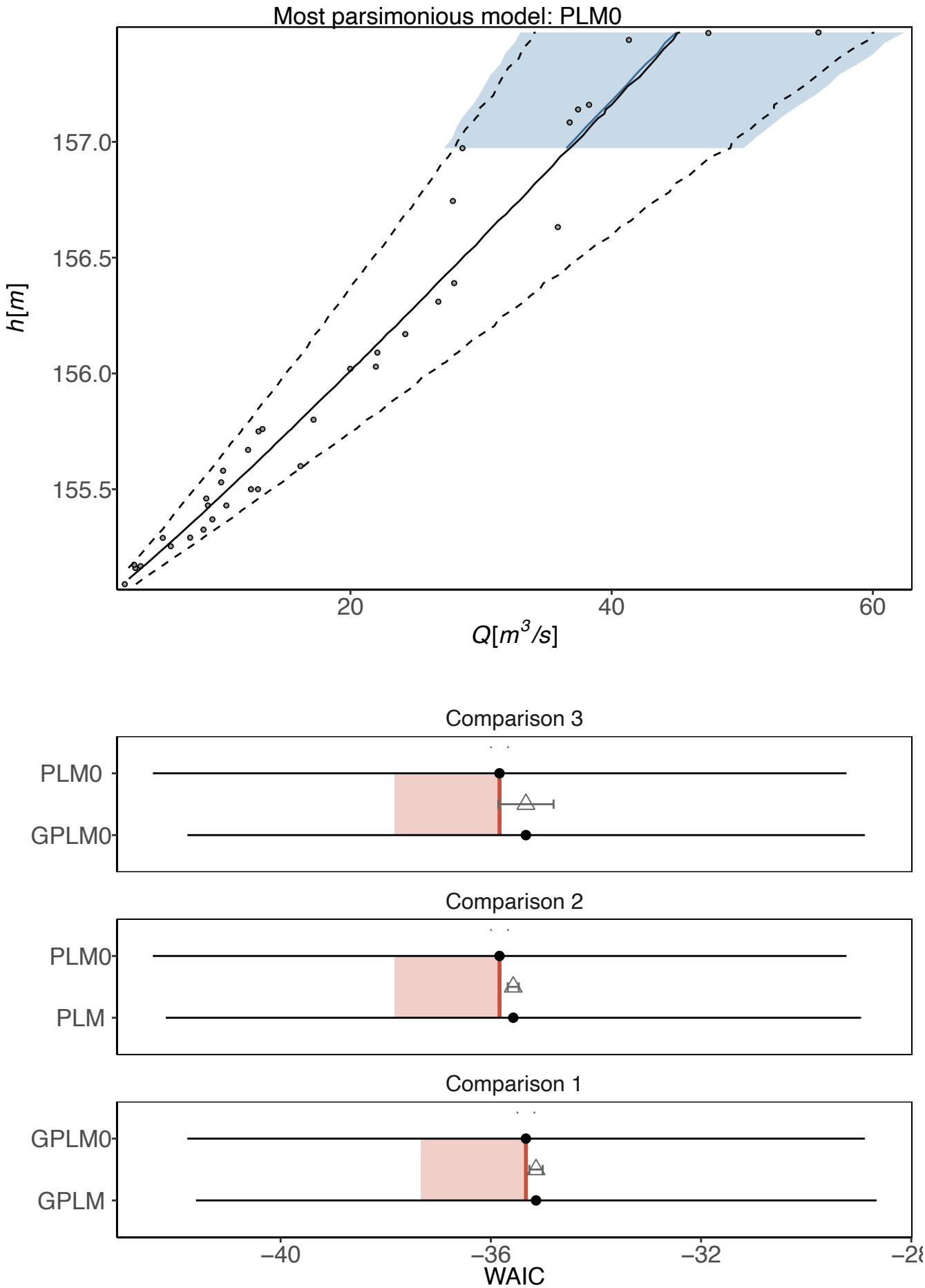
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	19.41	[17.24; 20.93]	3076	1.00
b	0.92	[0.82; 1.08]	2912	1.00
c	154.98	[154.89; 155.03]	2537	1.00
σ_η	0.07	[0.00; 0.36]	1651	1.00
η_1	–4.03	[–4.51; –3.49]	2372	1.00
η_2	–3.95	[–5.81; –2.06]	2788	1.00
η_3	–3.99	[–6.56; –1.38]	2838	1.00
η_4	–3.99	[–7.08; –0.78]	2964	1.00
η_5	–4.01	[–7.54; –0.31]	2753	1.00
η_6	–4.00	[–7.97; 0.25]	2813	1.00

Nissafors 2, Sweden – PLM0



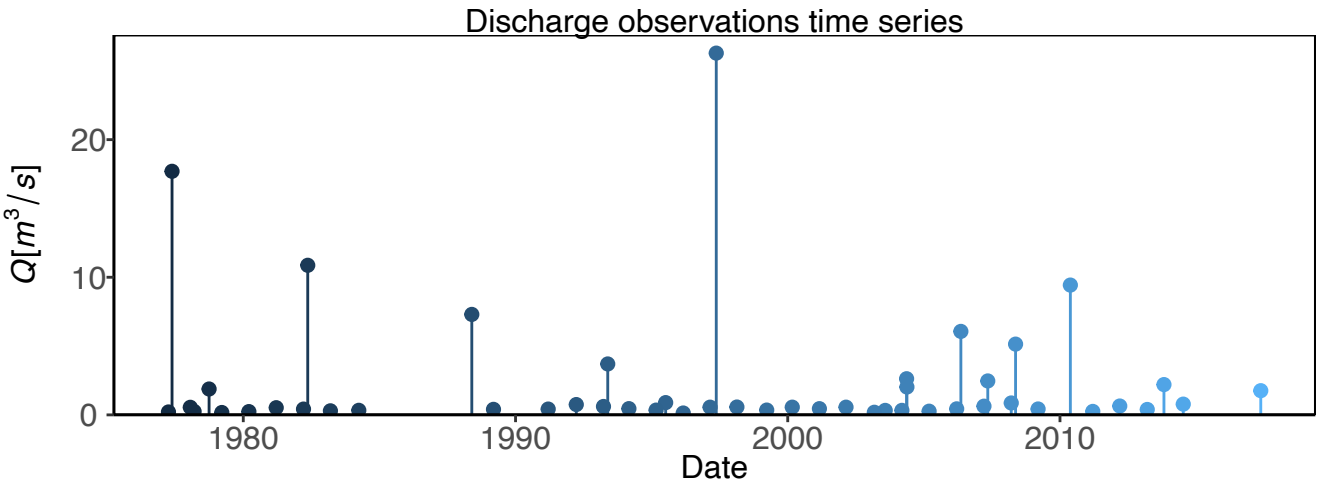
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	19.43	[17.34; 20.96]	9561	1.00
b	0.92	[0.82; 1.07]	9737	1.00
c	154.98	[154.90; 155.03]	8750	1.00
σ_ε	0.13	[0.11; 0.17]	9087	1.00

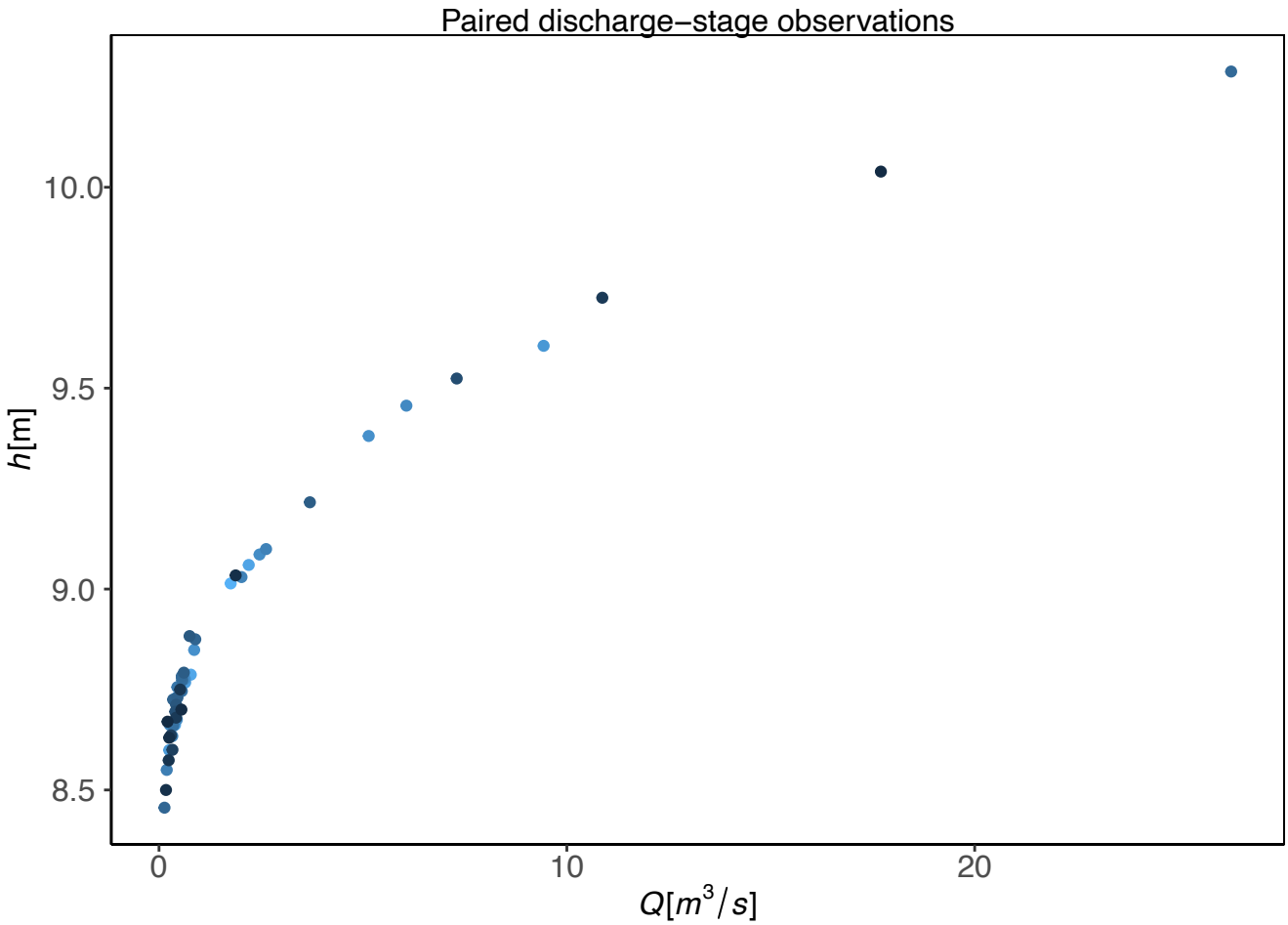
Power−law tournament results for Nissafors 2, Sweden



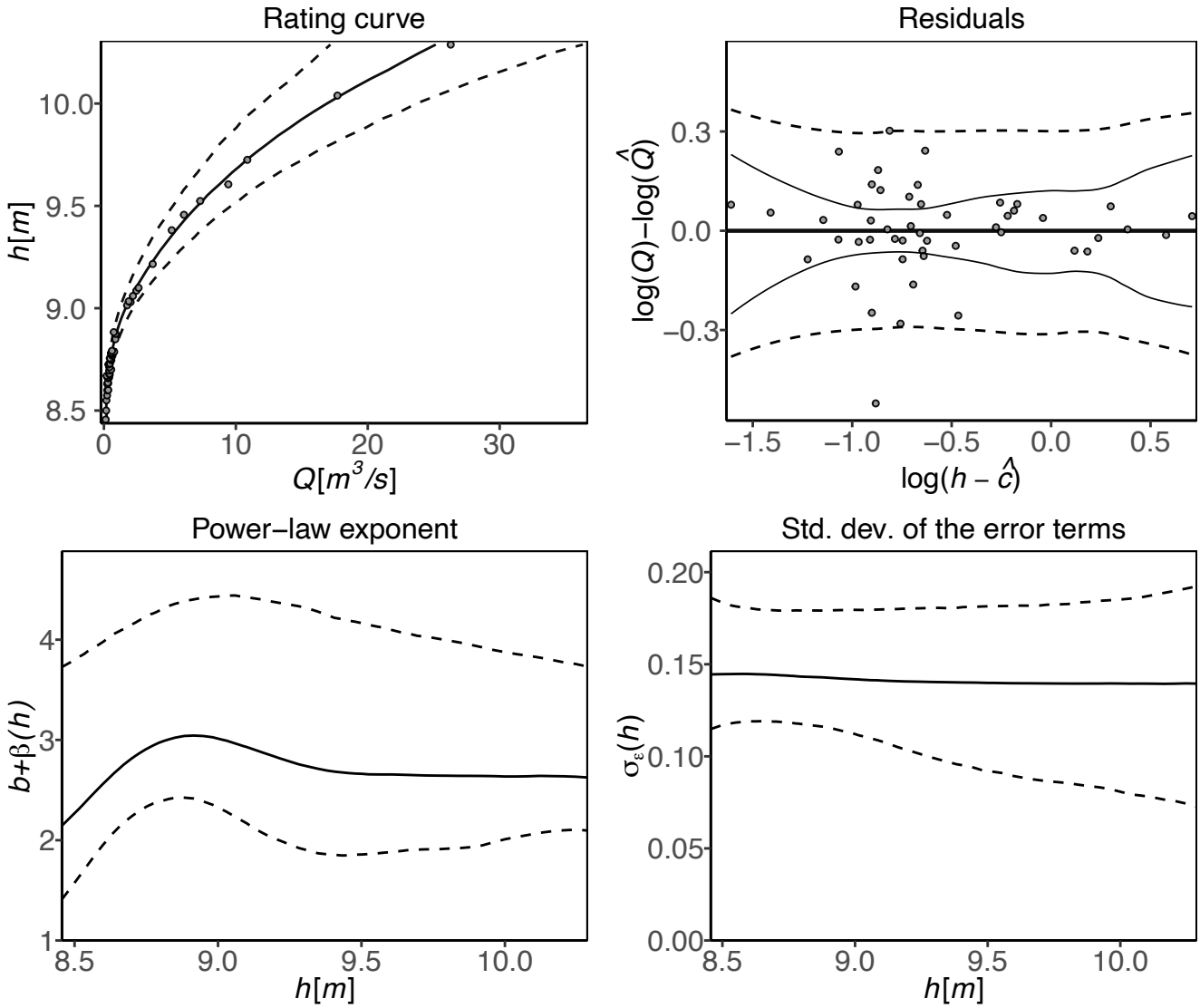
Station name:	Storsillret
Location:	Sweden
Station number:	1910
Number of observations:	49
Start date:	1977–04–02
End date:	2017–05–18
Max. discharge (m^3/s):	26.3
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.57
GPLM0	0.54	0.43
PLM	17.67	0.00
PLM0	18.42	0.00



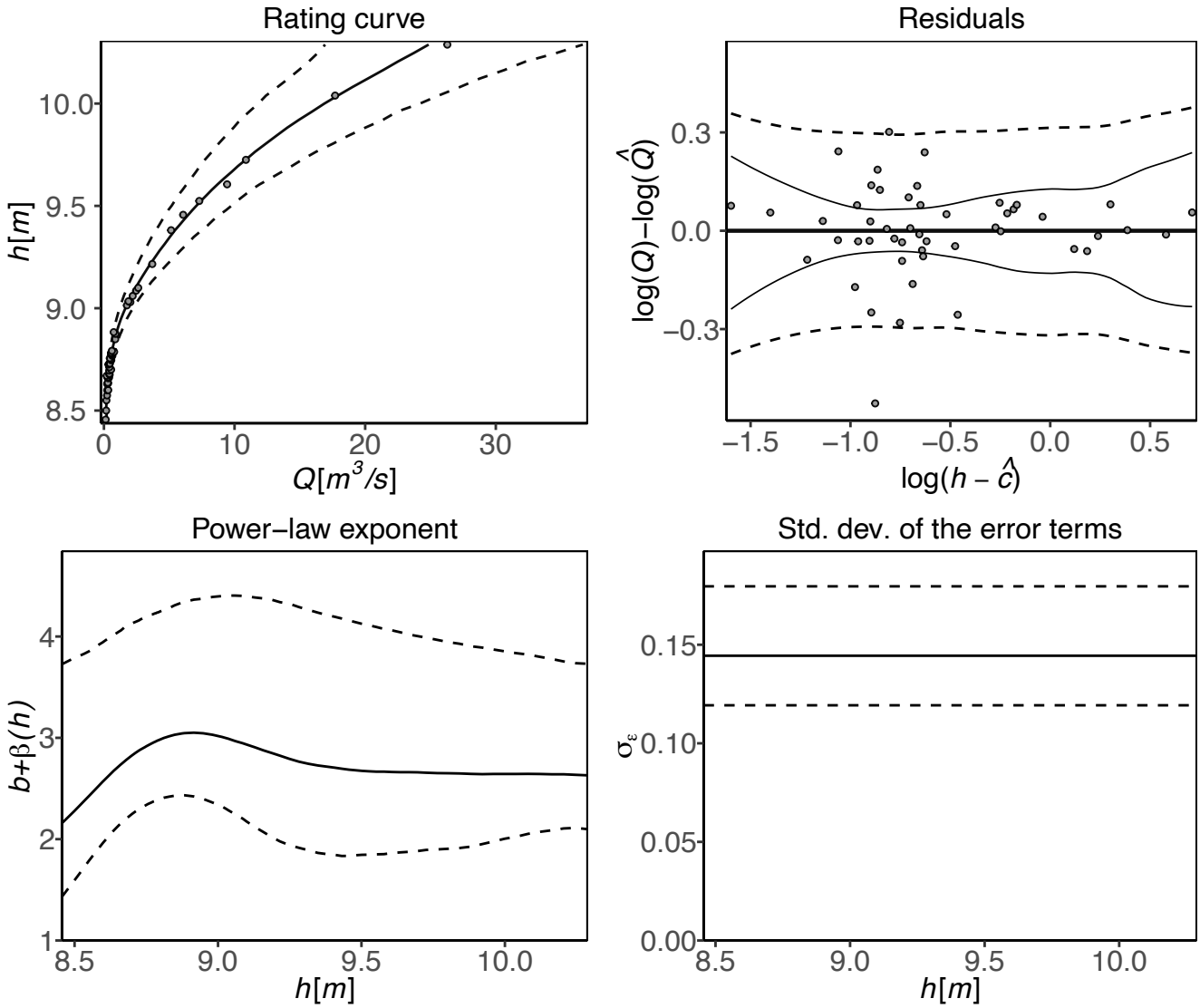


Storsillret, Sweden – GPLM



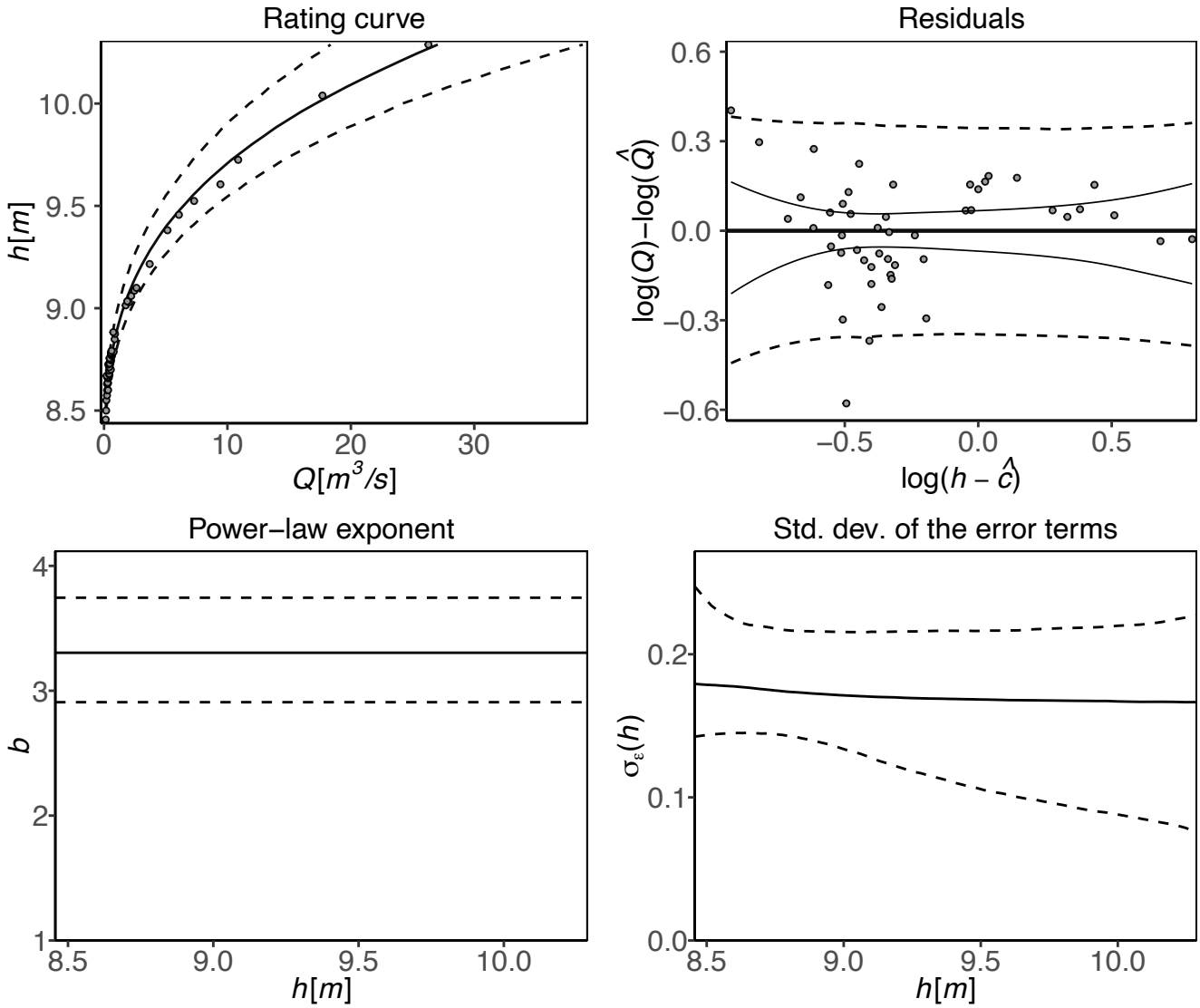
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.97	[0.97; 5.74]	1637	1.01
b	1.84	[1.83; 1.84]	10003	1.00
c	8.26	[7.89; 8.39]	1563	1.01
σ_β	0.69	[0.38; 1.32]	2226	1.00
ϕ_β	0.63	[0.30; 2.06]	1361	1.01
σ_η	0.09	[0.00; 0.54]	1524	1.00
η_1	–3.87	[–4.33; –3.36]	1923	1.00
η_2	–3.80	[–5.67; –2.01]	2188	1.00
η_3	–4.16	[–6.70; –1.42]	2399	1.00
η_4	–4.37	[–7.57; –0.94]	2396	1.00
η_5	–4.41	[–8.09; –0.44]	2417	1.00
η_6	–4.45	[–8.64; 0.00]	2173	1.00

Storsillret, Sweden – GPLM0



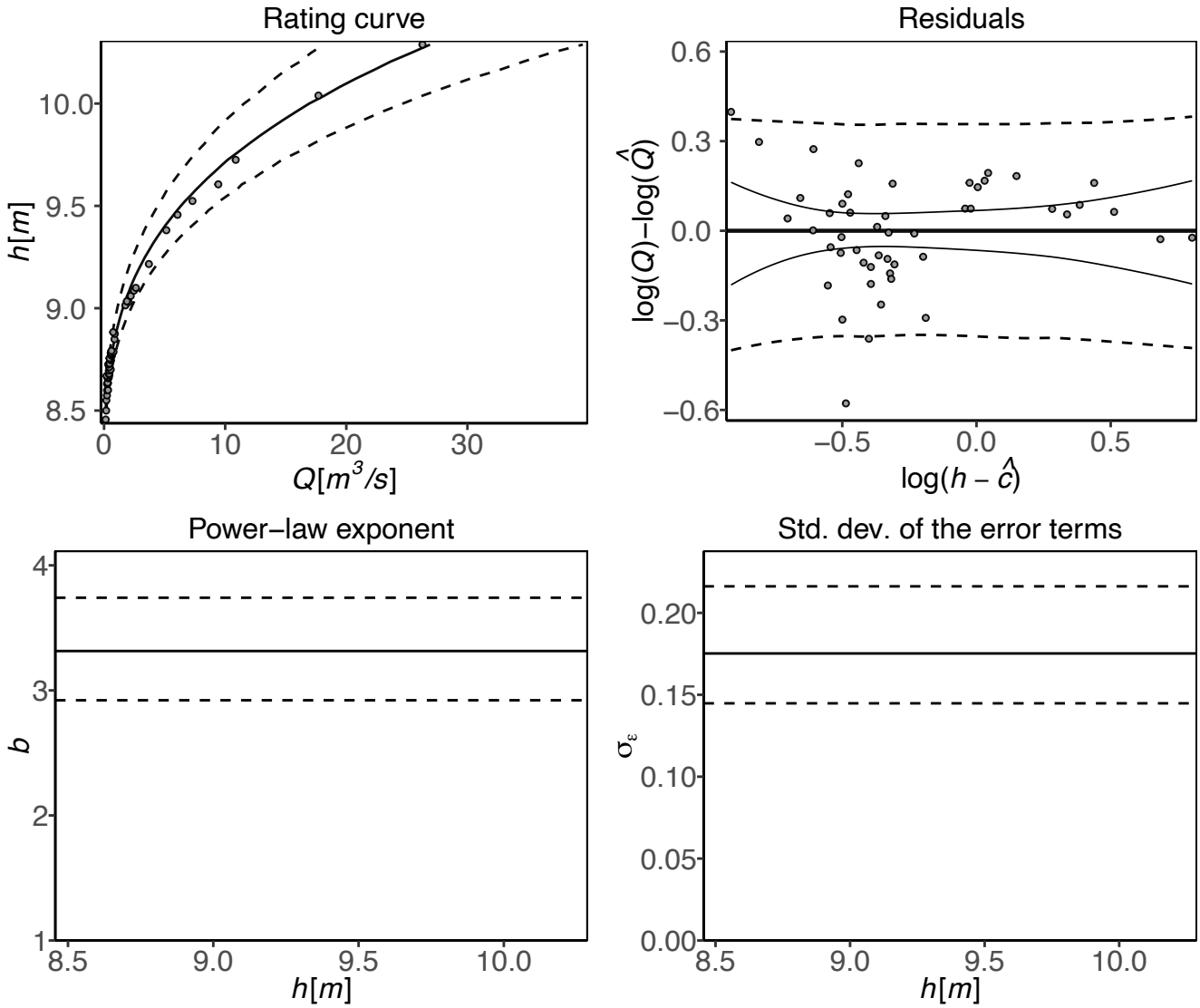
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.94	[1.03; 5.71]	3007	1.00
b	1.84	[1.83; 1.84]	12788	1.00
c	8.25	[7.90; 8.39]	3391	1.00
σ_ε	0.14	[0.12; 0.18]	4741	1.00
σ_β	0.83	[0.62; 1.17]	5250	1.00
ϕ_β	0.63	[0.30; 2.05]	1662	1.00

Storsillret, Sweden – PLM



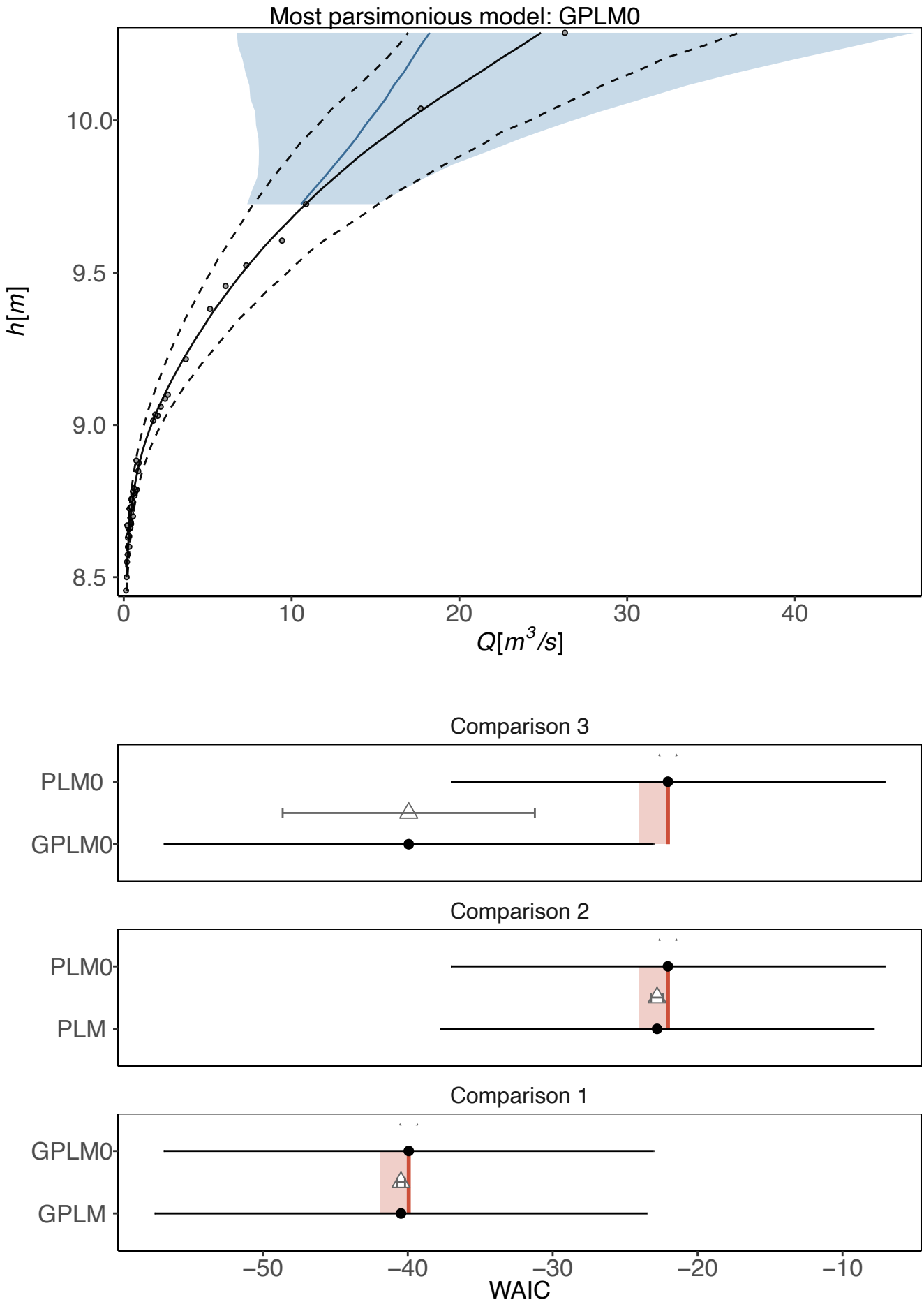
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.92	[1.22; 2.76]	2509	1.00
b	3.30	[2.91; 3.75]	2675	1.00
c	8.06	[7.94; 8.16]	2375	1.00
σ_η	0.10	[0.00; 0.59]	1729	1.00
η_1	–3.44	[–3.90; –2.79]	1998	1.00
η_2	–3.61	[–5.34; –1.81]	2725	1.00
η_3	–3.98	[–6.48; –1.26]	2742	1.00
η_4	–4.25	[–7.41; –0.74]	2720	1.00
η_5	–4.35	[–8.15; –0.34]	2856	1.00
η_6	–4.43	[–8.70; 0.03]	2676	1.00

Storsillret, Sweden – PLM0



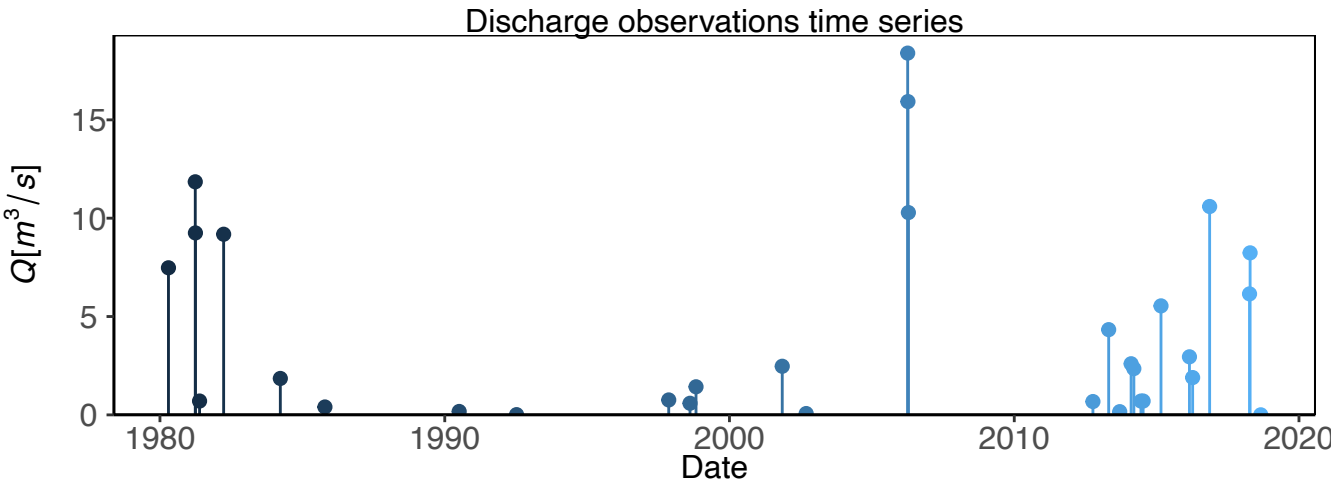
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.88	[1.21; 2.63]	9784	1.00
b	3.31	[2.92; 3.74]	10232	1.00
c	8.06	[7.94; 8.15]	9664	1.00
σ_ε	0.18	[0.14; 0.22]	9157	1.00

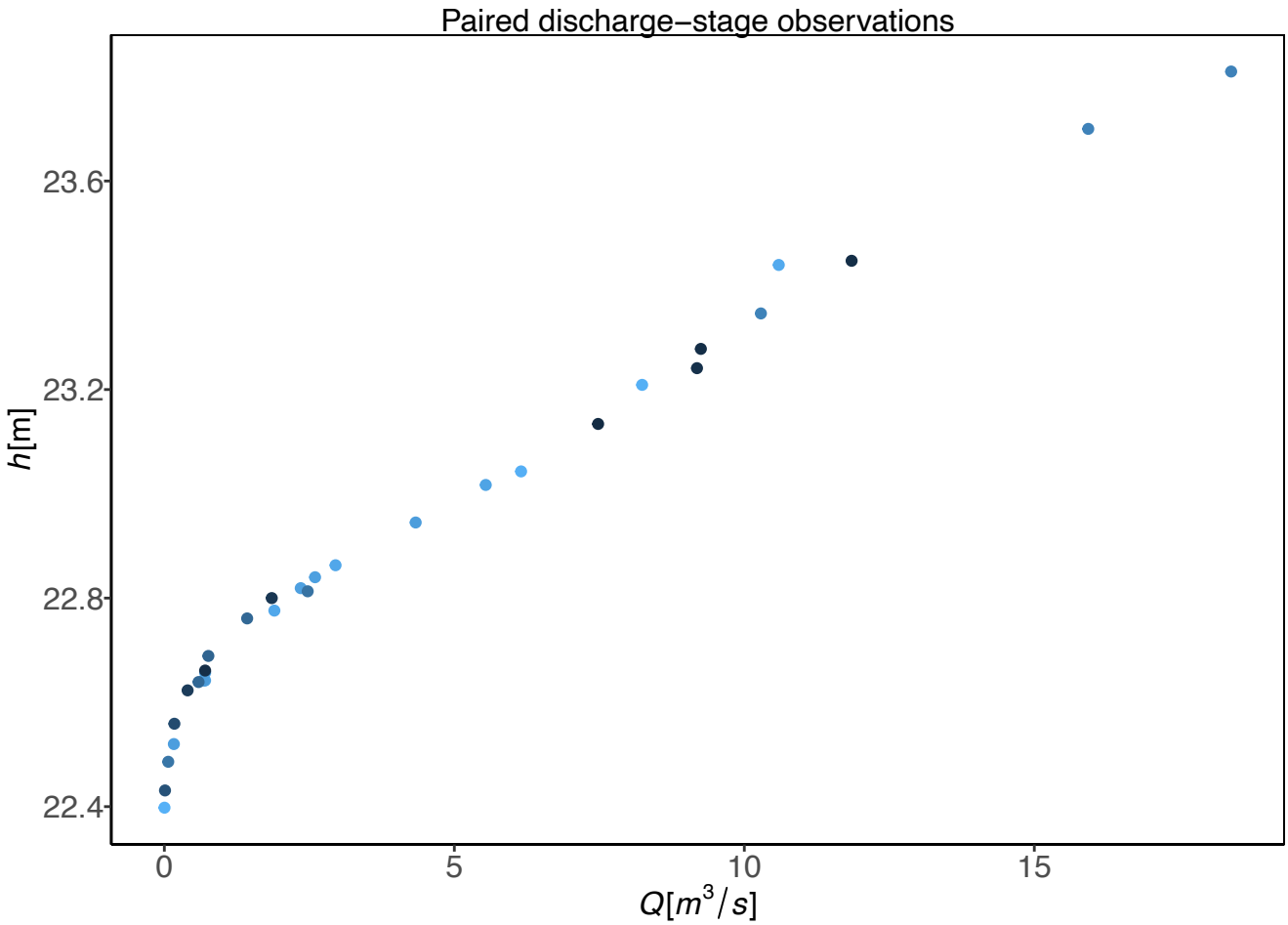
Power−law tournament results for Storsillret, Sweden



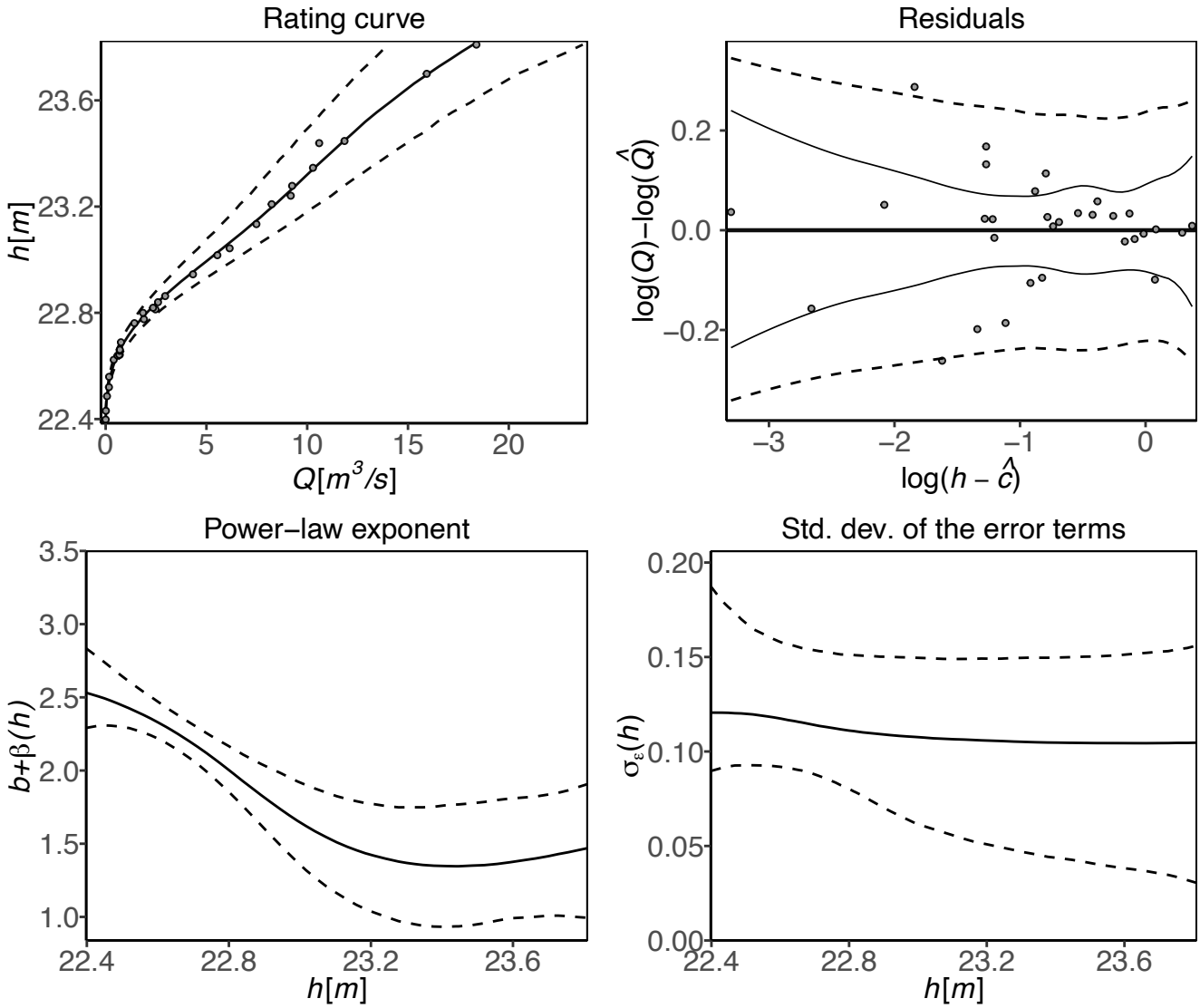
Station name:	Källstorp 2
Location:	Sweden
Station number:	1962
Number of observations:	31
Start date:	1980–04–19
End date:	2018–08–29
Max. discharge (m^3/s):	18.4
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.84
GPLM0	3.27	0.16
PLM	38.64	0.00
PLM0	38.83	0.00



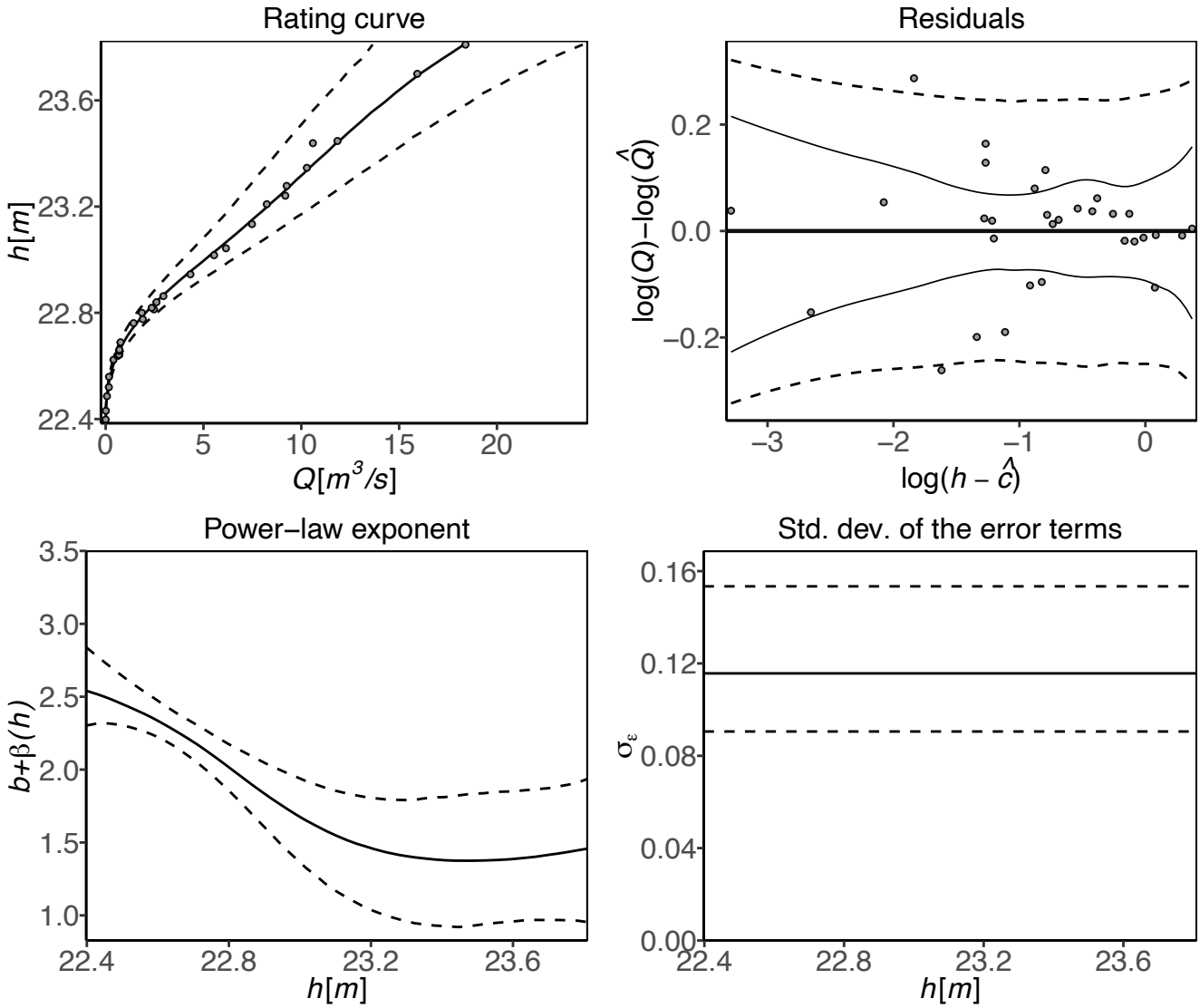


Källstorp 2, Sweden – GPLM



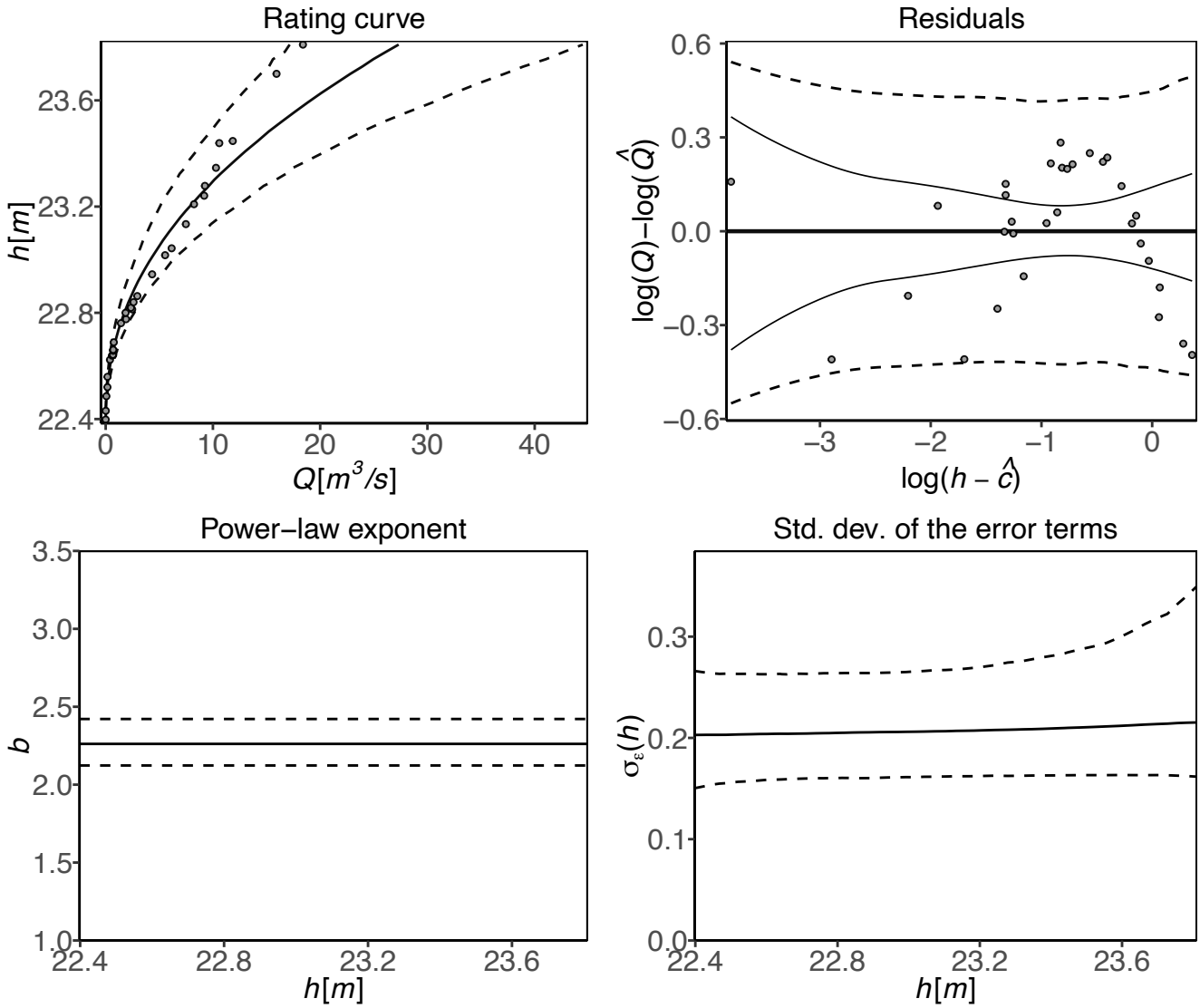
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.59	[9.72; 11.61]	4978	1.00
b	1.84	[1.83; 1.84]	10714	1.00
c	22.36	[22.34; 22.37]	2318	1.00
σ_β	0.52	[0.27; 1.10]	2264	1.00
ϕ_β	0.73	[0.30; 1.75]	1557	1.01
σ_η	0.14	[0.01; 0.83]	901	1.01
η_1	–4.23	[–4.82; –3.35]	2422	1.00
η_2	–4.23	[–6.06; –2.53]	1688	1.00
η_3	–4.97	[–7.42; –2.09]	1455	1.01
η_4	–5.48	[–8.66; –1.65]	1738	1.00
η_5	–5.64	[–9.28; –1.05]	2164	1.00
η_6	–5.65	[–9.92; –0.76]	2290	1.00

Källstorp 2, Sweden – GPLM0



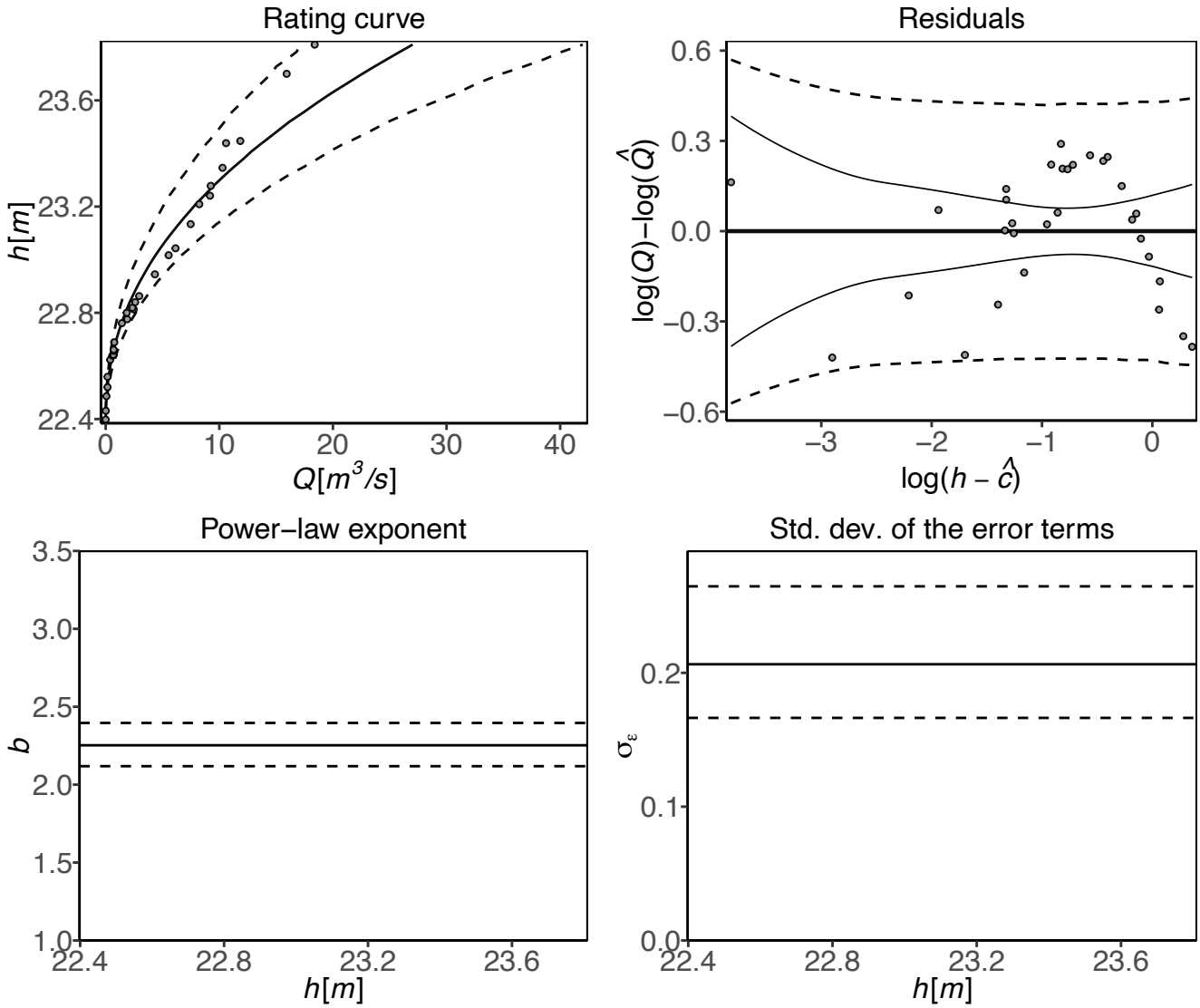
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.65	[9.68; 11.71]	9285	1.00
b	1.83	[1.83; 1.84]	13806	1.00
c	22.36	[22.34; 22.37]	4714	1.00
σ_ε	0.12	[0.09; 0.15]	4648	1.00
σ_β	0.73	[0.51; 1.05]	5702	1.00
ϕ_β	0.74	[0.29; 1.81]	3406	1.00

Källstorp 2, Sweden – PLM



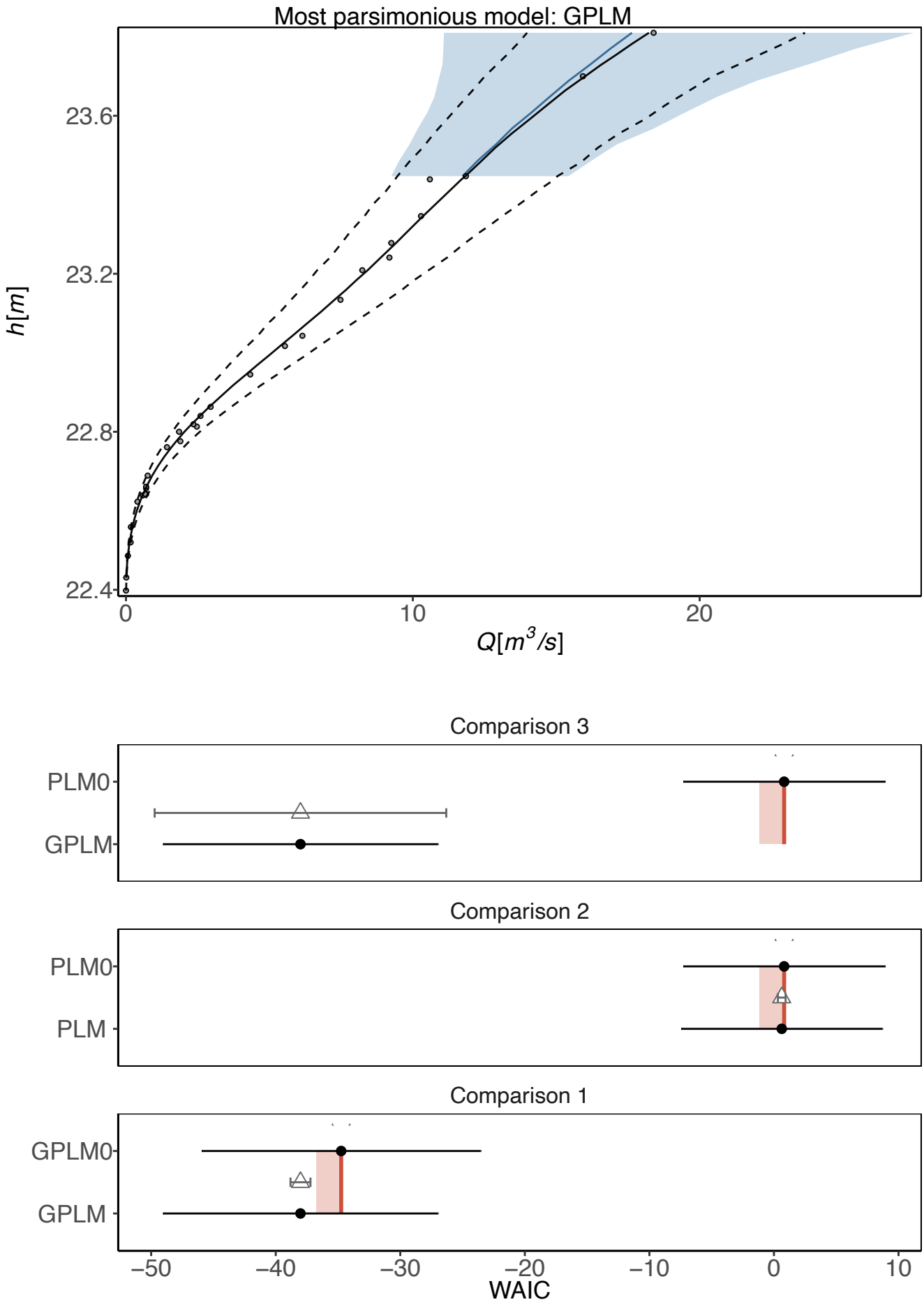
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	12.07	[10.77; 13.78]	5879	1.00
b	2.26	[2.12; 2.42]	3380	1.00
c	22.38	[22.37; 22.38]	2560	1.00
σ_η	0.09	[0.00; 0.48]	1788	1.00
η_1	–3.19	[–3.79; –2.65]	2277	1.00
η_2	–3.14	[–4.97; –1.22]	2641	1.00
η_3	–3.03	[–5.69; –0.51]	2670	1.00
η_4	–2.86	[–6.11; 0.16]	2536	1.00
η_5	–2.60	[–6.56; 0.89]	2665	1.00
η_6	–2.38	[–6.85; 1.51]	2826	1.00

Källstorp 2, Sweden – PLM0



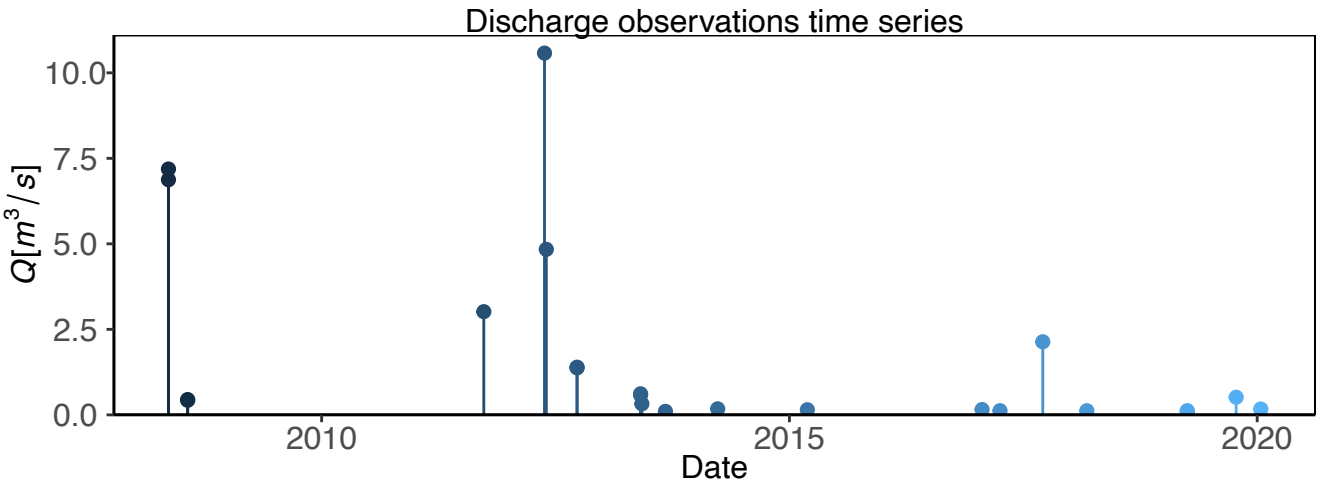
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.98	[10.71; 13.40]	12780	1.00
b	2.25	[2.12; 2.40]	9798	1.00
c	22.38	[22.37; 22.38]	8624	1.00
σ_ε	0.21	[0.17; 0.26]	10195	1.00

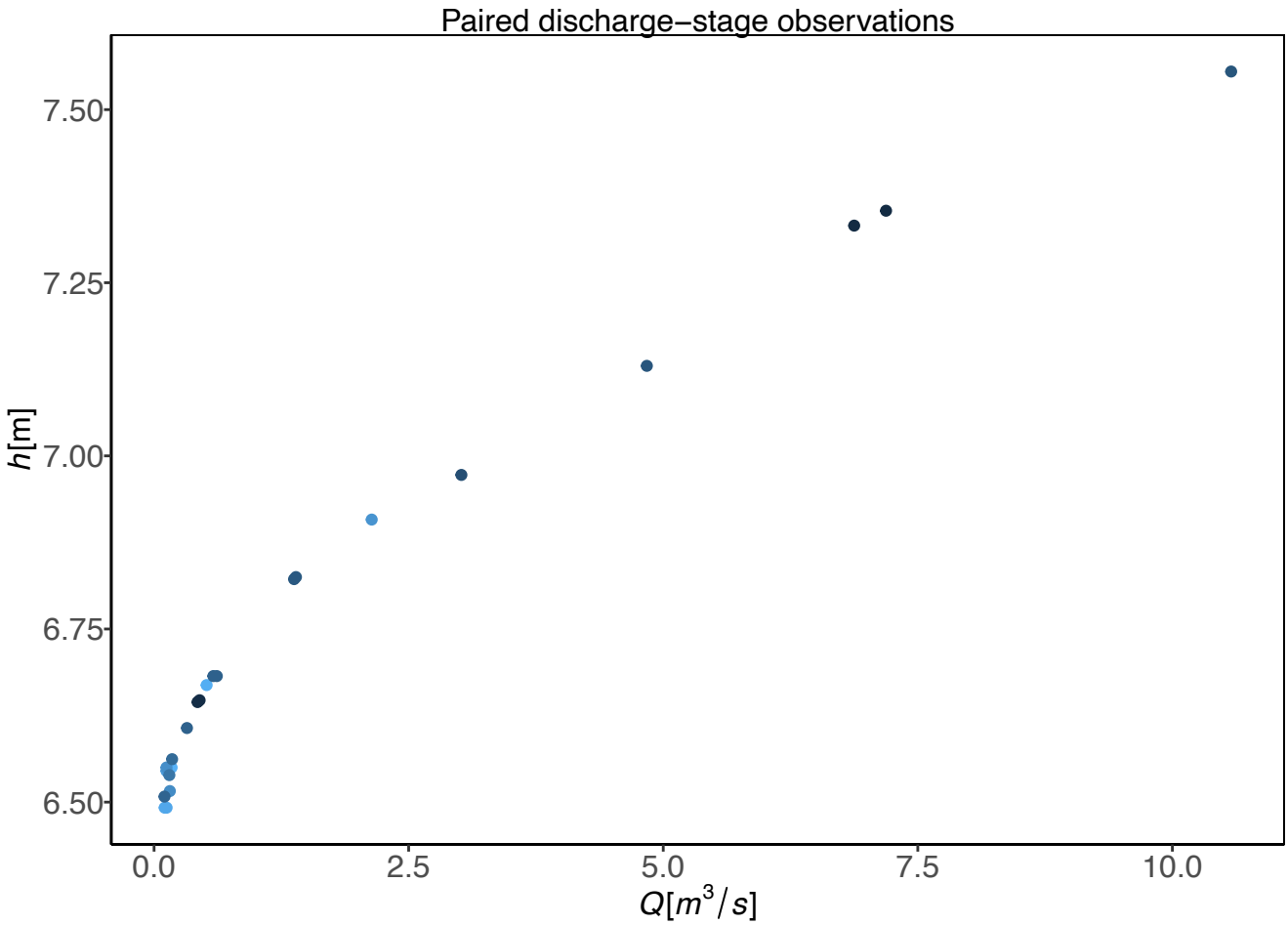
Power−law tournament results for Källstorp 2, Sweden



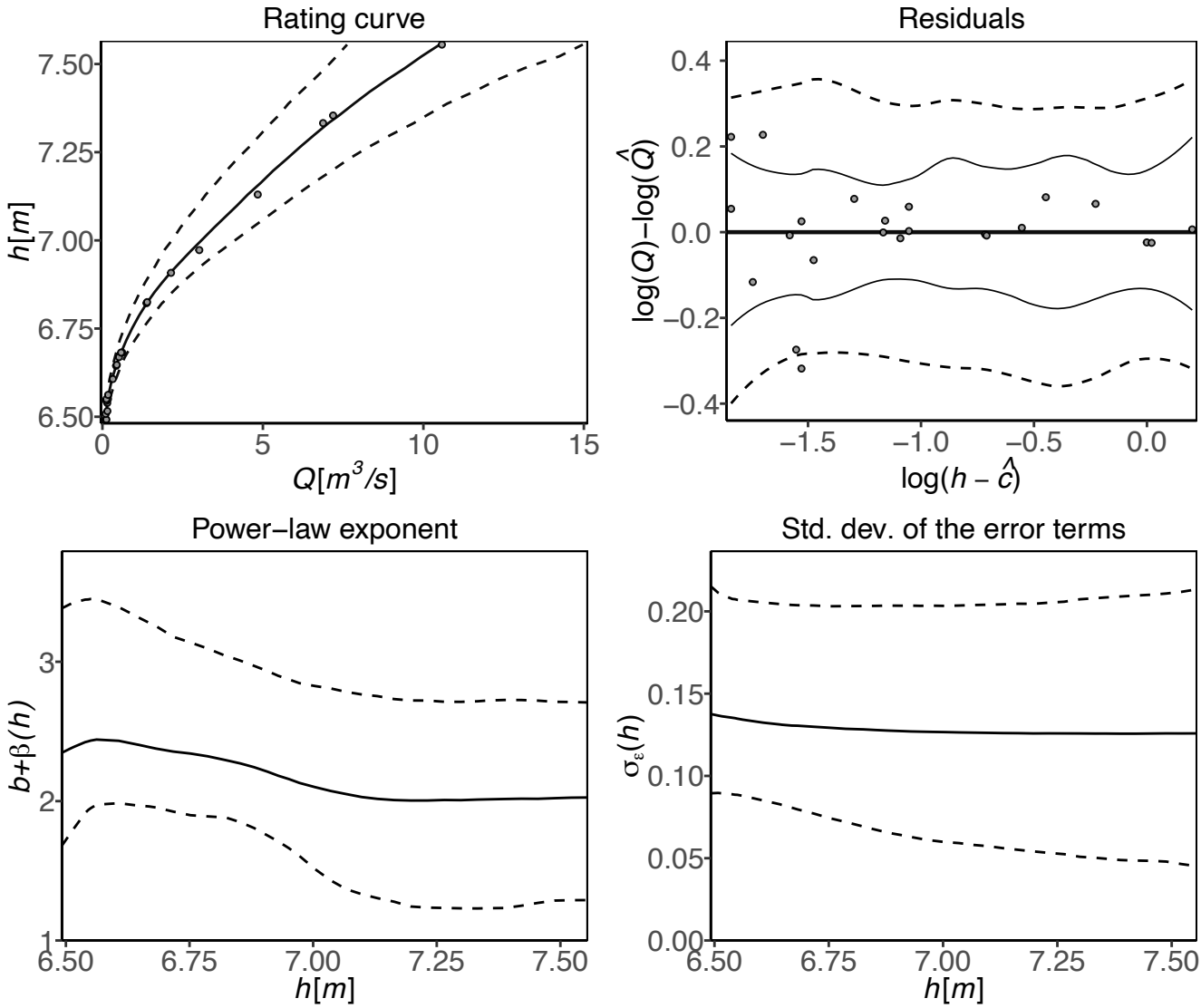
Station name:	Vuoddasbäcken
Location:	Sweden
Station number:	1963
Number of observations:	23
Start date:	2008–05–13
End date:	2020–01–15
Max. discharge (m^3/s):	10.6
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.66
GPLM0	1.46	0.32
PLM	8.29	0.01
PLM0	8.85	0.01



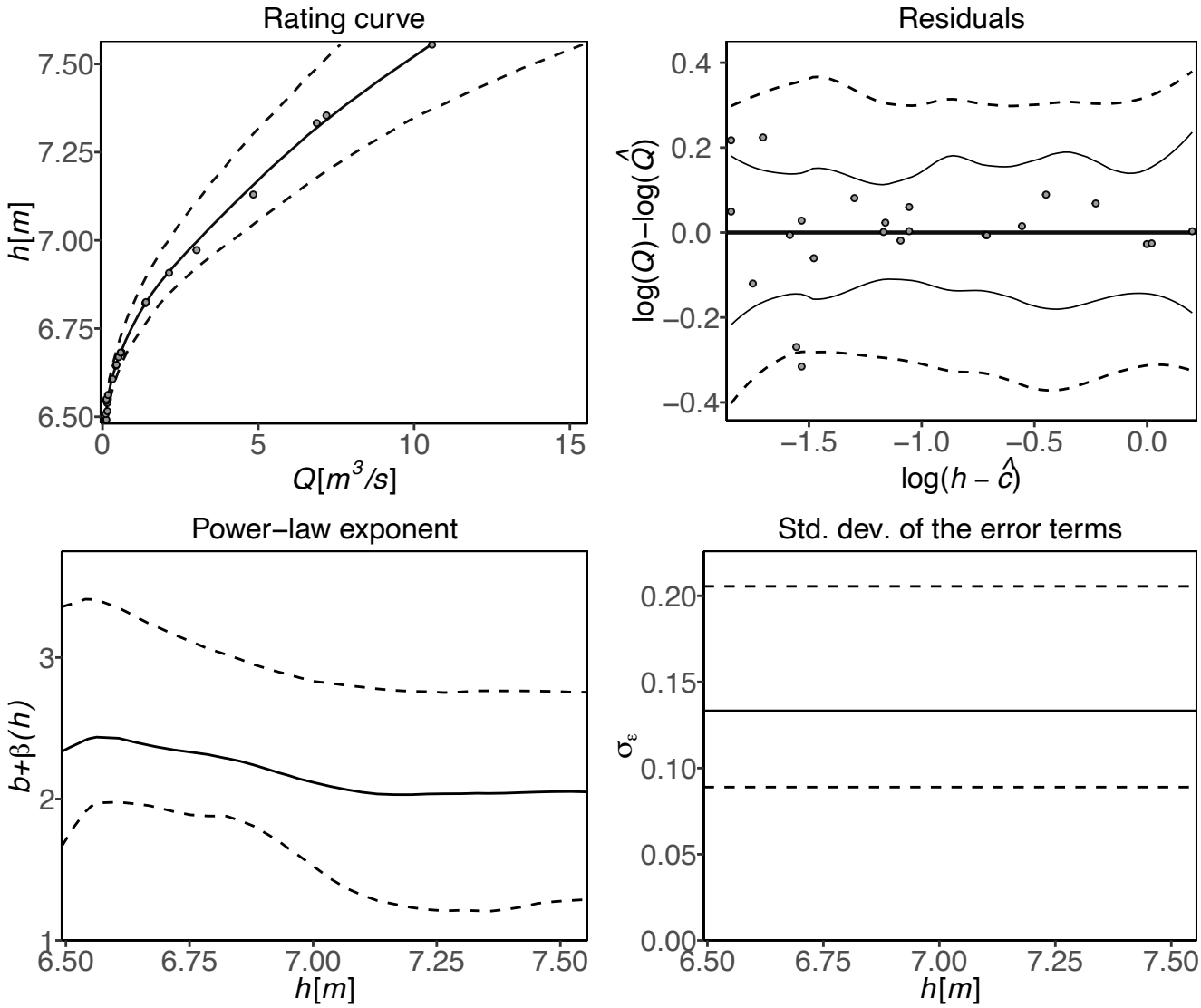


Vuoddasbäcken, Sweden – GPLM



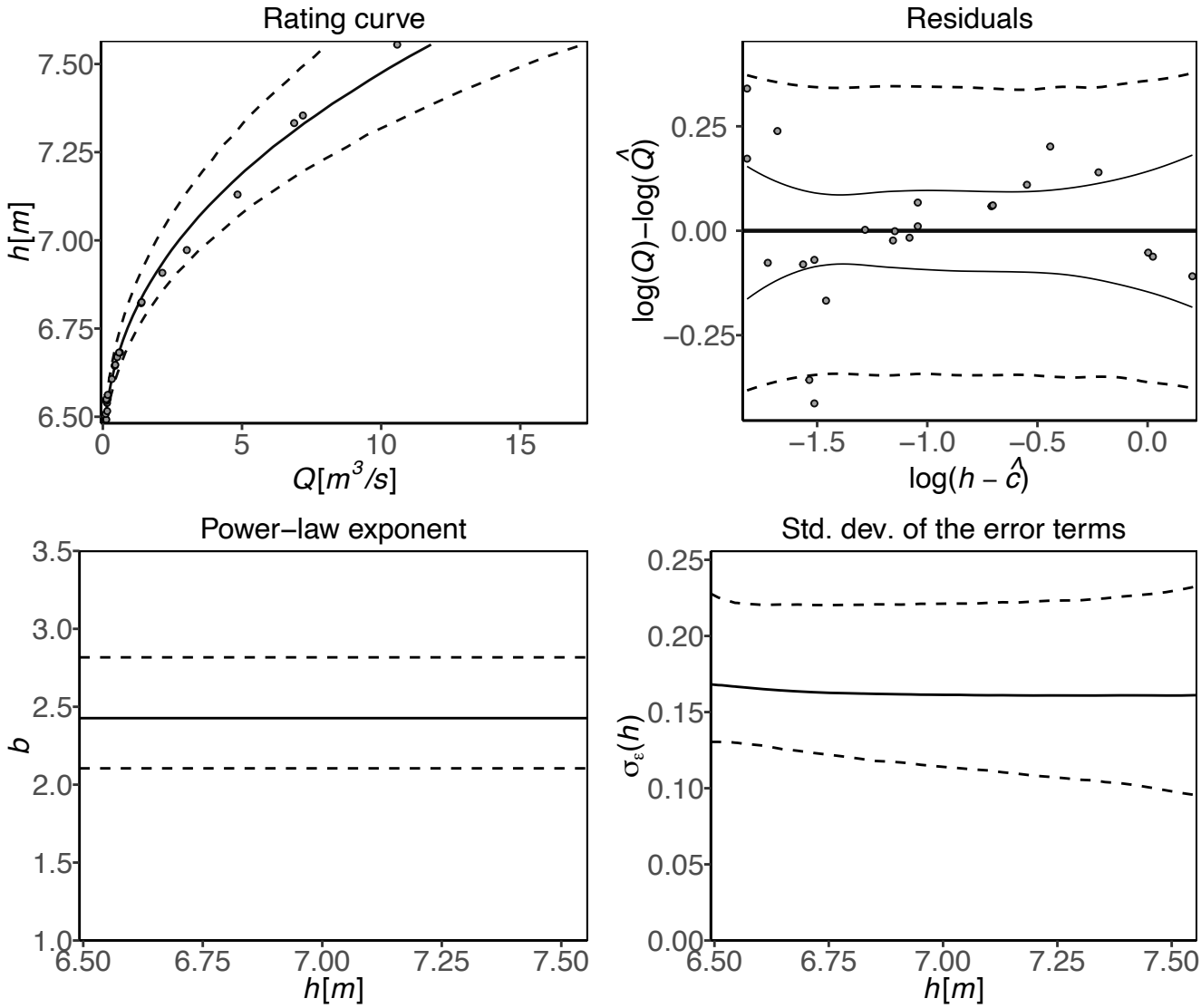
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.05	[5.16; 8.57]	2867	1.00
b	1.84	[1.83; 1.84]	9129	1.00
c	6.33	[6.18; 6.42]	2012	1.00
σ_β	0.42	[0.16; 1.03]	1987	1.00
ϕ_β	0.35	[0.10; 138.30]	744	1.13
σ_η	0.10	[0.00; 0.66]	1516	1.00
η_1	–3.97	[–4.83; –3.07]	1171	1.04
η_2	–4.27	[–6.32; –2.10]	2162	1.00
η_3	–4.60	[–7.57; –1.68]	2315	1.00
η_4	–4.78	[–8.42; –1.11]	2096	1.00
η_5	–4.86	[–8.99; –0.63]	2224	1.00
η_6	–4.87	[–9.48; –0.14]	2253	1.00

Vuoddasbäcken, Sweden – GPLM0



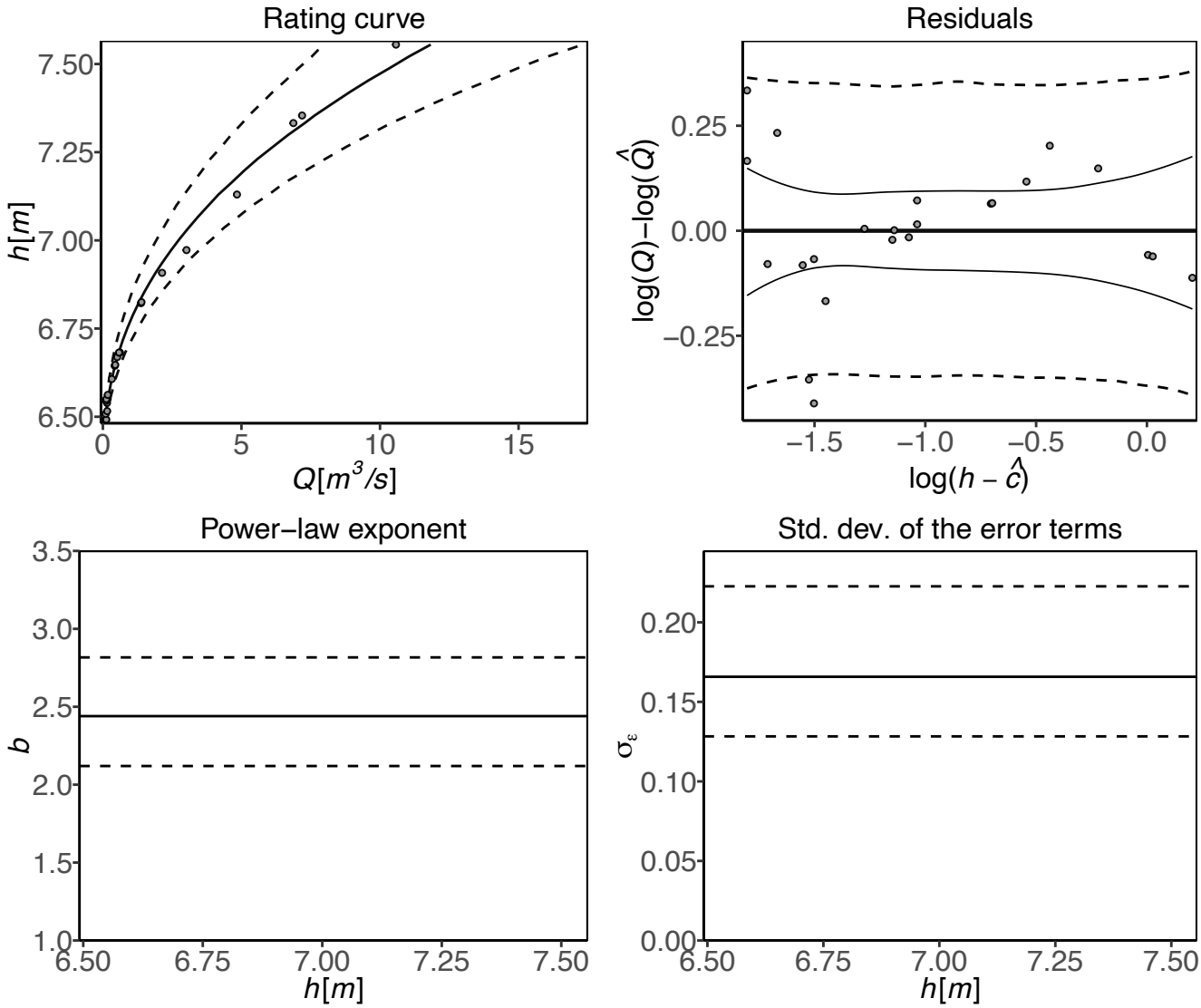
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.05	[5.18; 8.63]	5380	1.00
b	1.84	[1.83; 1.84]	11737	1.00
c	6.33	[6.19; 6.42]	3812	1.00
σ_ε	0.13	[0.09; 0.21]	1406	1.04
σ_β	0.64	[0.41; 0.99]	3813	1.00
ϕ_β	0.33	[0.10; 1426.81]	747	1.16

Vuoddasbäcken, Sweden – PLM



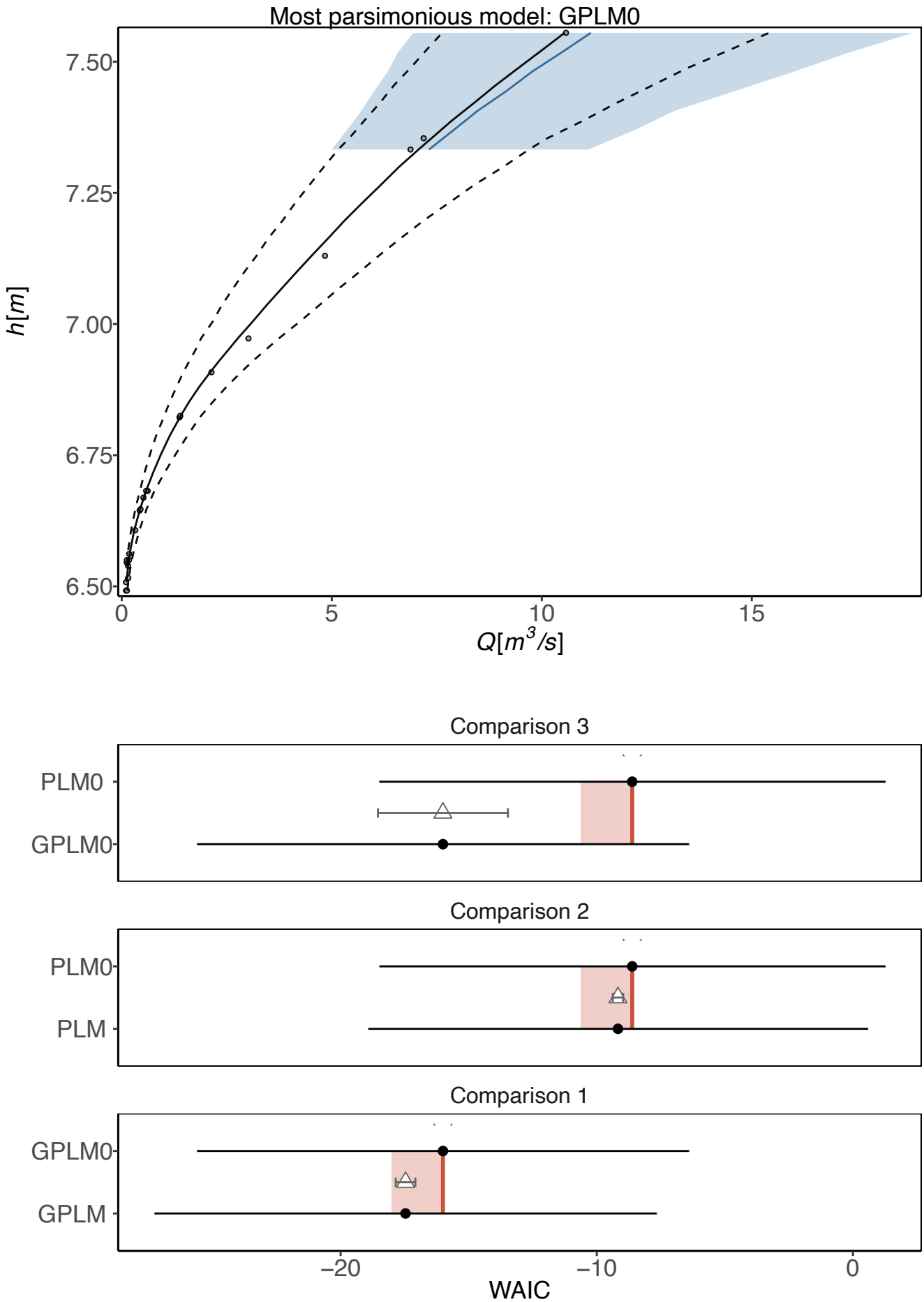
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.17	[6.01; 8.32]	5381	1.00
b	2.43	[2.10; 2.82]	2676	1.00
c	6.33	[6.27; 6.38]	2451	1.00
σ_η	0.09	[0.00; 0.46]	1938	1.00
η_1	–3.57	[–4.07; –2.96]	2617	1.00
η_2	–3.78	[–5.71; –1.82]	2790	1.00
η_3	–3.99	[–6.64; –1.14]	2987	1.00
η_4	–4.11	[–7.37; –0.67]	2897	1.00
η_5	–4.13	[–7.90; –0.17]	3071	1.00
η_6	–4.15	[–8.44; 0.24]	2861	1.00

Vuoddasbäcken, Sweden – PLM0



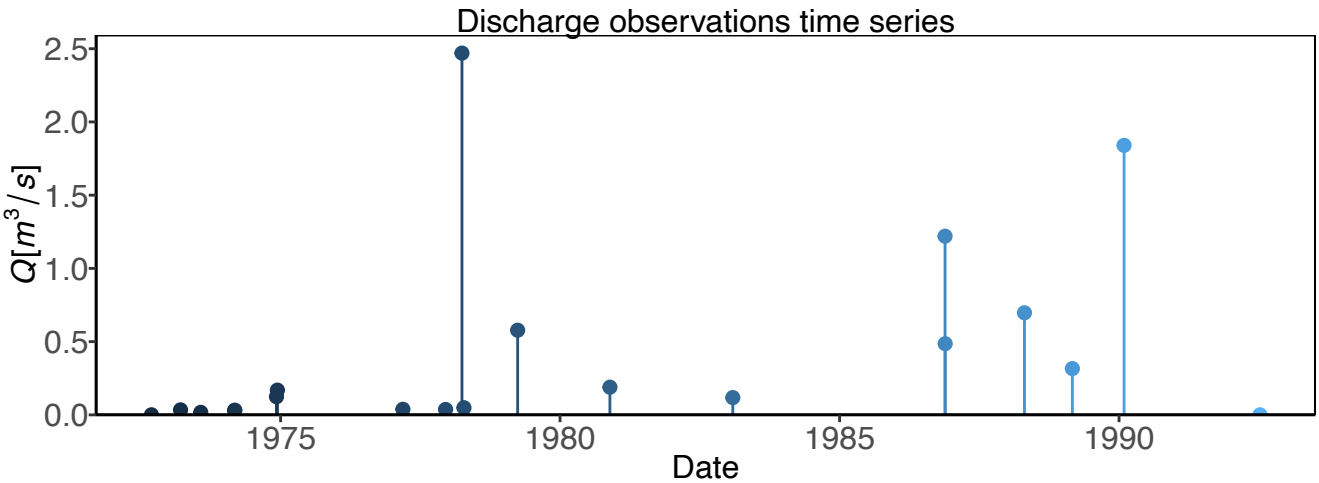
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.13	[5.99; 8.29]	12643	1.00
b	2.44	[2.12; 2.82]	9606	1.00
c	6.33	[6.27; 6.37]	9367	1.00
σ_ε	0.17	[0.13; 0.22]	9036	1.00

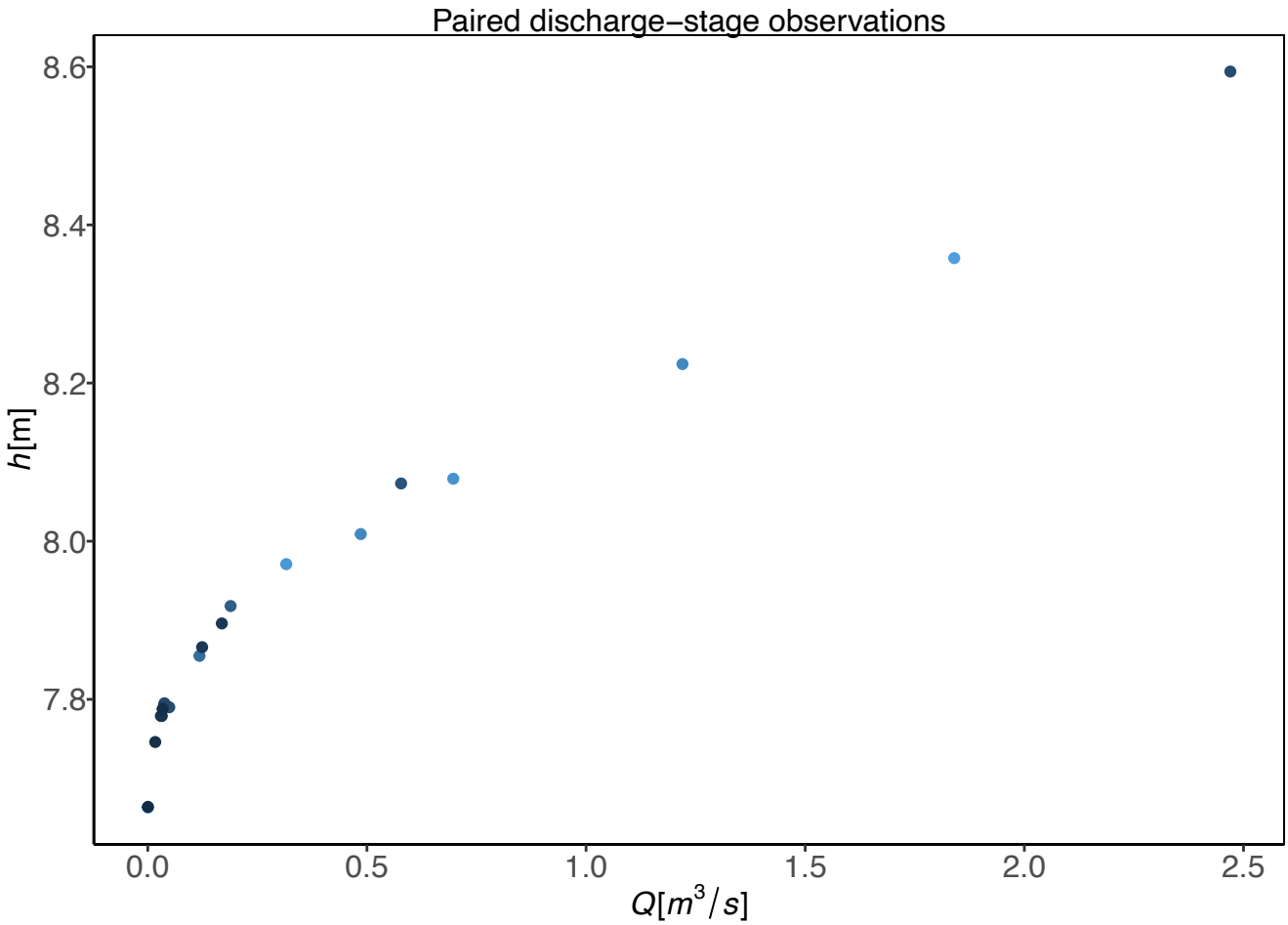
Power−law tournament results for Vuoddasbäcken, Sweden



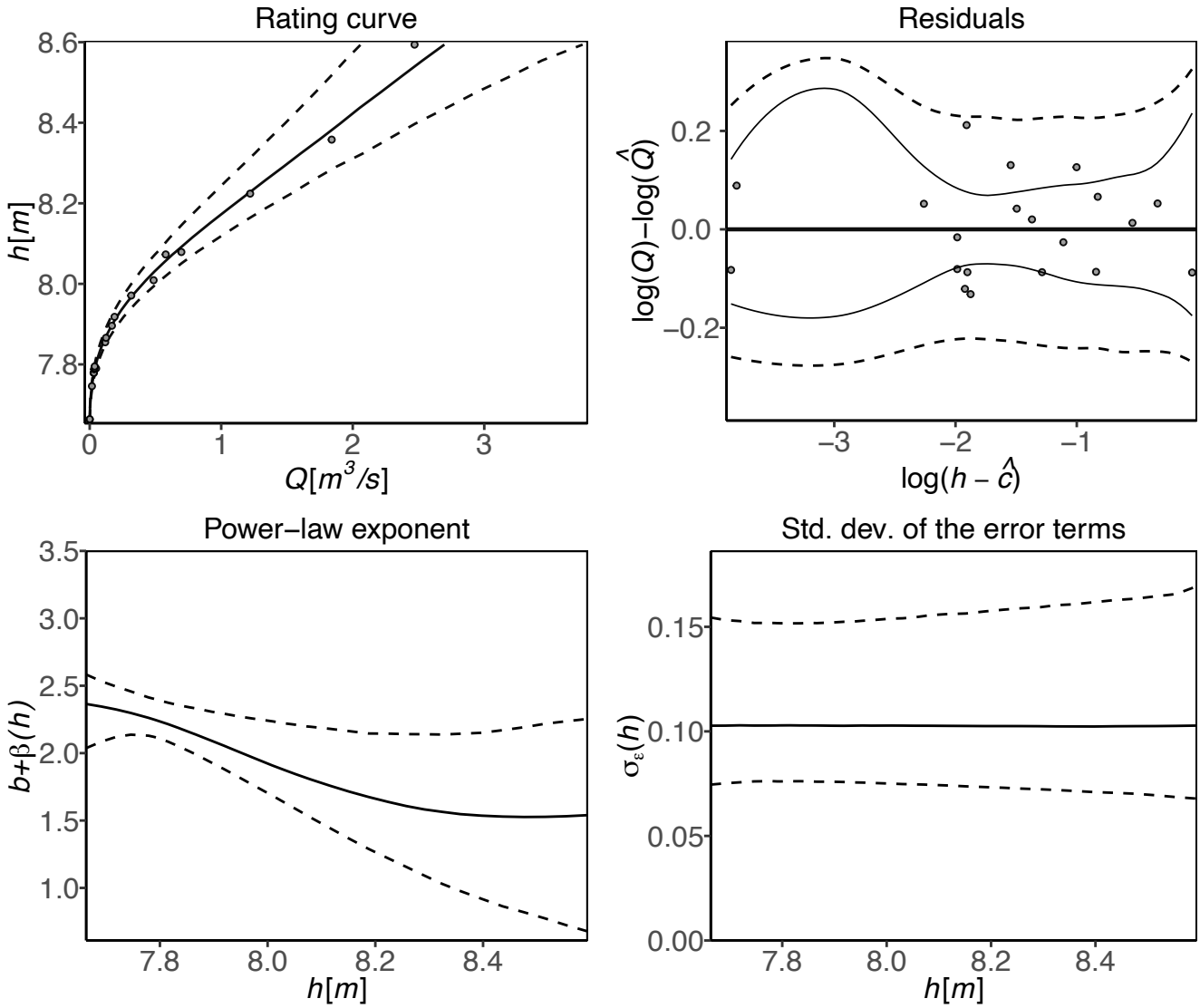
Station name:	Krokbräcke
Location:	Sweden
Station number:	2119
Number of observations:	20
Start date:	1972–09–09
End date:	1992–07–10
Max. discharge (m^3/s):	2.5
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.5
GPLM0	0.04	0.5
PLM	15.70	0.0
PLM0	17.39	0.0



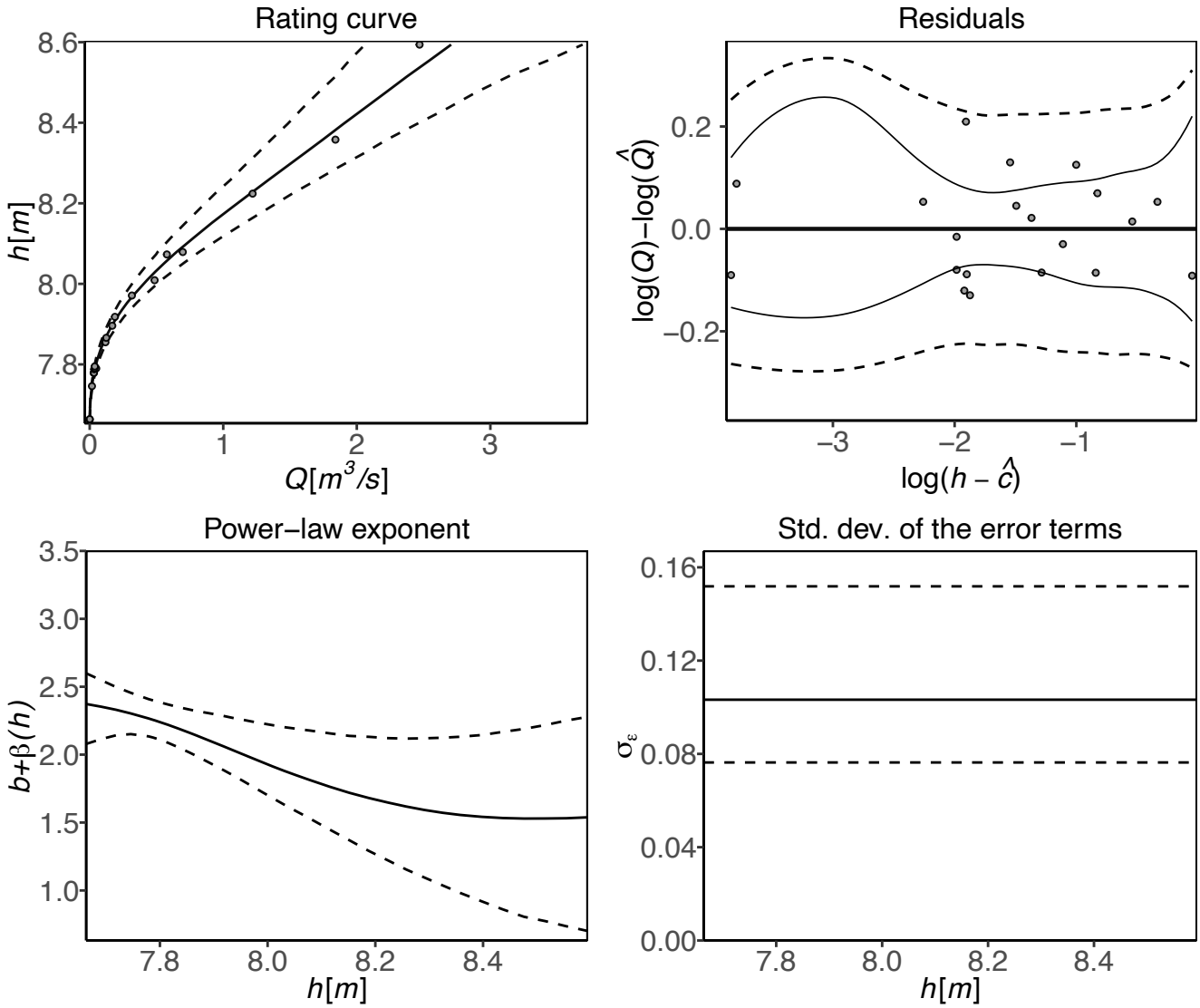


Krokbräcke, Sweden – GPLM



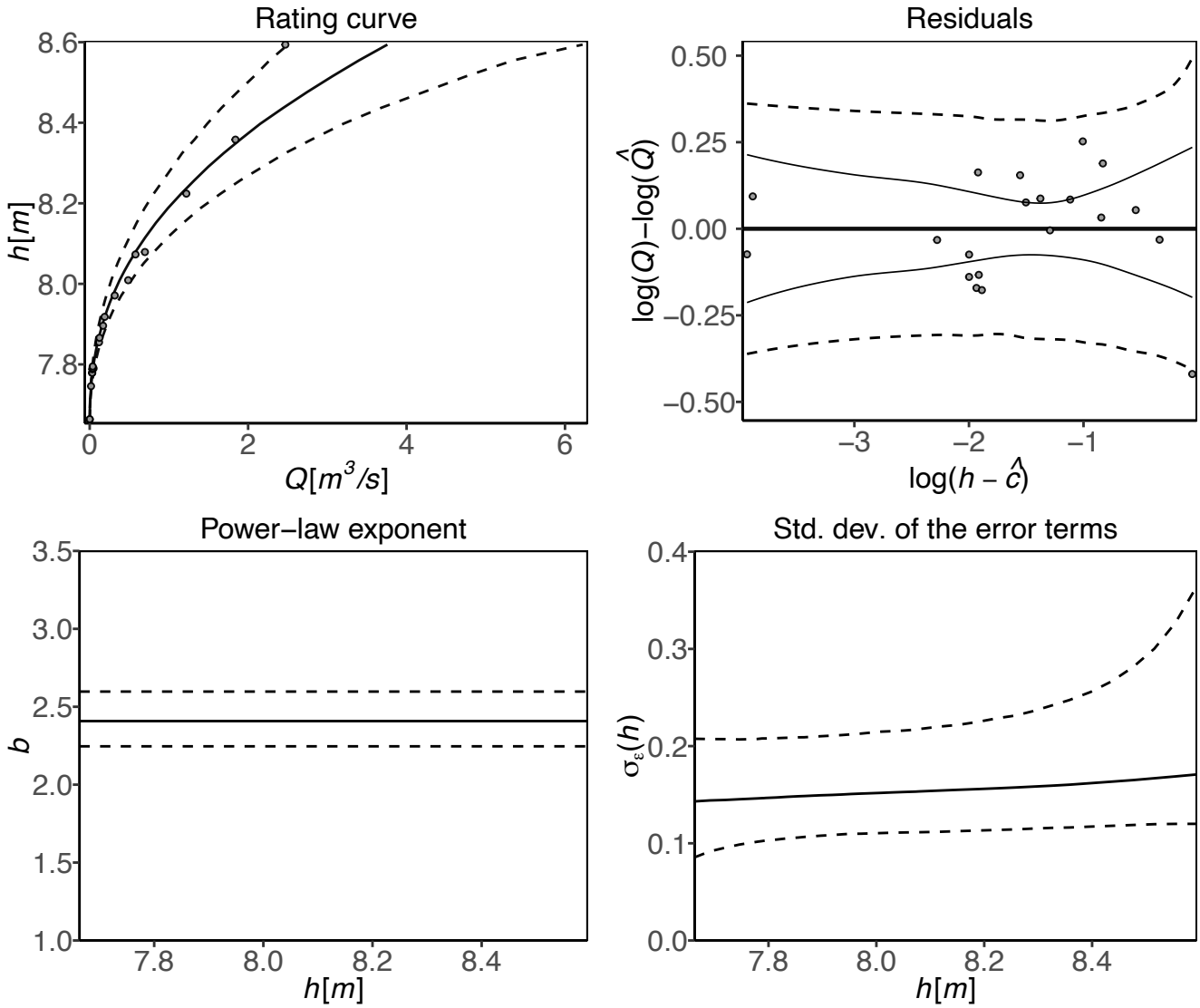
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.91	[2.38; 3.75]	2890	1.01
b	1.84	[1.83; 1.84]	10385	1.00
c	7.64	[7.63; 7.65]	1252	1.01
σ_β	0.45	[0.19; 1.09]	2641	1.00
ϕ_β	0.63	[0.22; 2.12]	1380	1.01
σ_η	0.08	[0.00; 0.41]	1585	1.00
η_1	–4.55	[–5.19; –3.74]	1845	1.01
η_2	–4.51	[–6.43; –2.52]	2299	1.00
η_3	–4.53	[–7.18; –1.79]	2388	1.00
η_4	–4.58	[–7.90; –1.23]	2282	1.00
η_5	–4.52	[–8.43; –0.64]	2491	1.00
η_6	–4.48	[–8.99; –0.13]	2360	1.00

Krokbräcke, Sweden – GPLM0



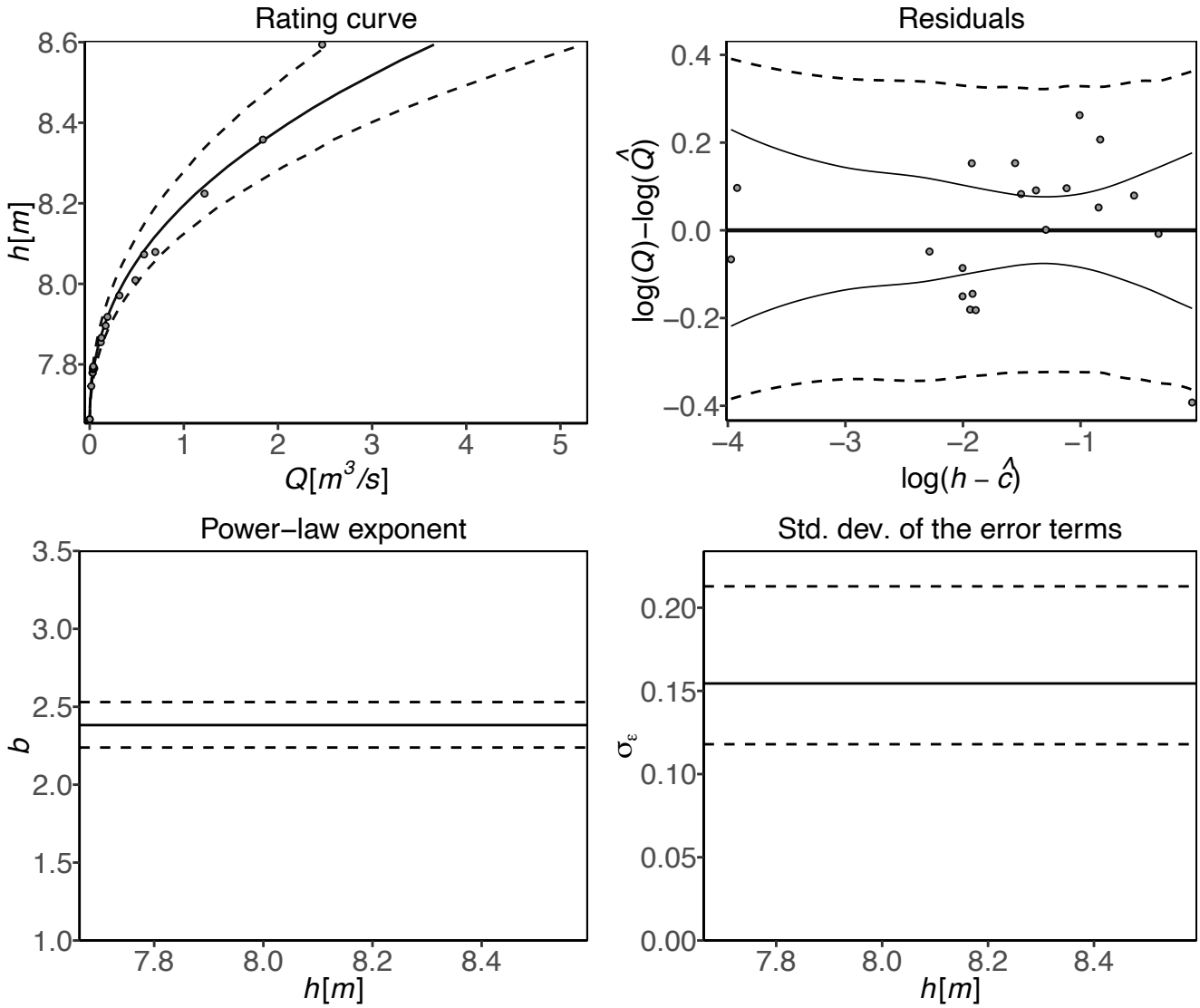
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.92	[2.37; 3.71]	4475	1.00
b	1.84	[1.83; 1.84]	13772	1.00
c	7.64	[7.63; 7.65]	2879	1.00
σ_ε	0.10	[0.08; 0.15]	3650	1.00
σ_β	0.68	[0.44; 1.04]	6169	1.00
ϕ_β	0.66	[0.24; 2.03]	1720	1.00

Krokbräcke, Sweden – PLM



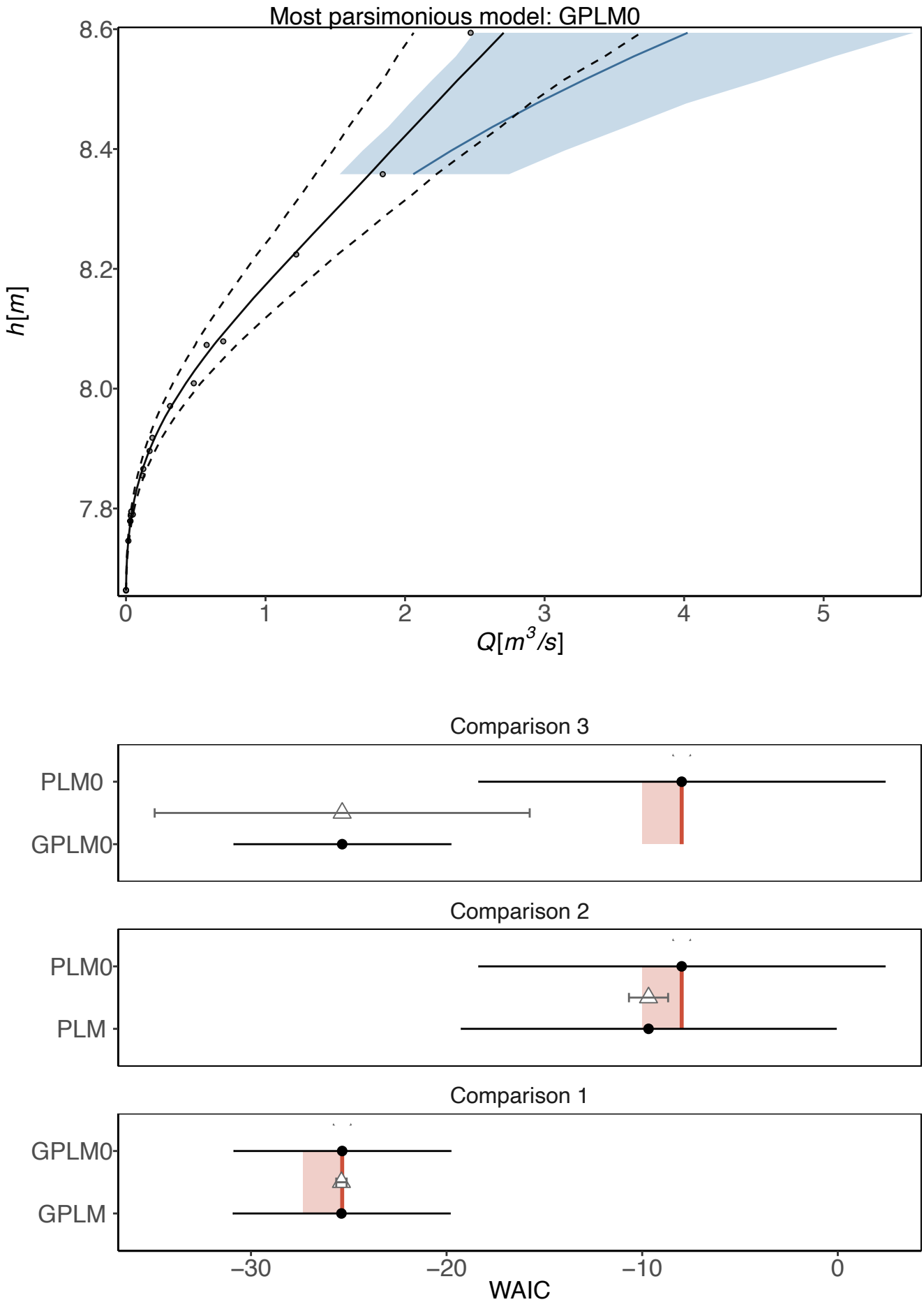
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	4.26	[3.50; 5.38]	3349	1.00
b	2.41	[2.25; 2.60]	2663	1.00
c	7.64	[7.64; 7.65]	2322	1.00
σ_η	0.14	[0.00; 0.65]	967	1.01
η_1	–3.89	[–4.92; –3.15]	3055	1.00
η_2	–3.67	[–5.46; –1.85]	2092	1.00
η_3	–3.39	[–6.01; –0.97]	2203	1.00
η_4	–3.05	[–6.36; –0.06]	2400	1.00
η_5	–2.62	[–6.61; 0.82]	2335	1.00
η_6	–2.13	[–6.76; 1.54]	2352	1.00

Krokbräcke, Sweden – PLM0



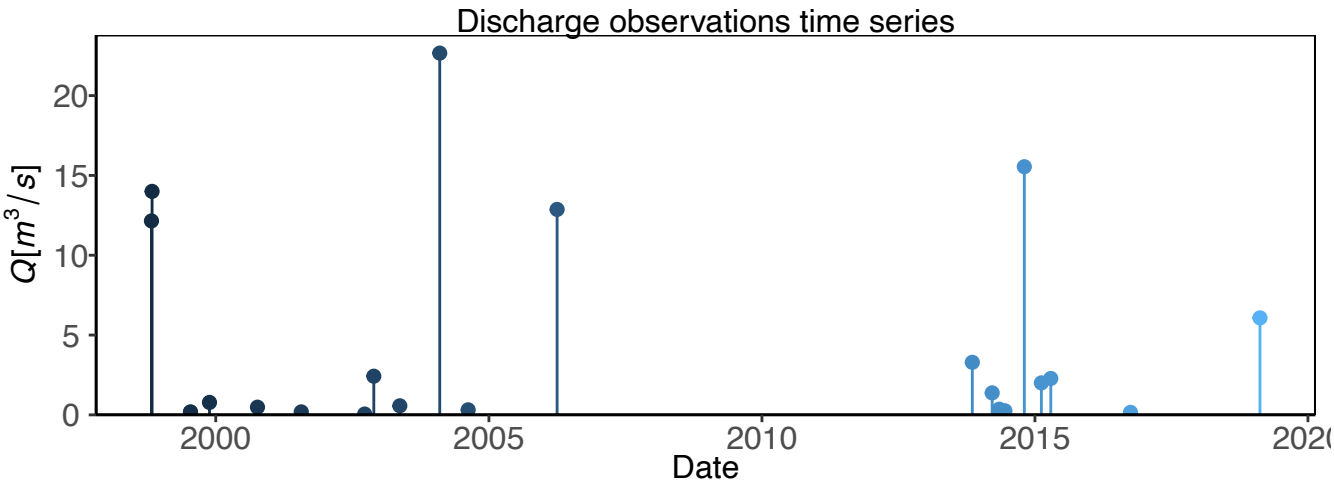
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	4.13	[3.45; 4.92]	13700	1.00
b	2.38	[2.24; 2.53]	10746	1.00
c	7.64	[7.64; 7.65]	9185	1.00
σ_ε	0.15	[0.12; 0.21]	8658	1.00

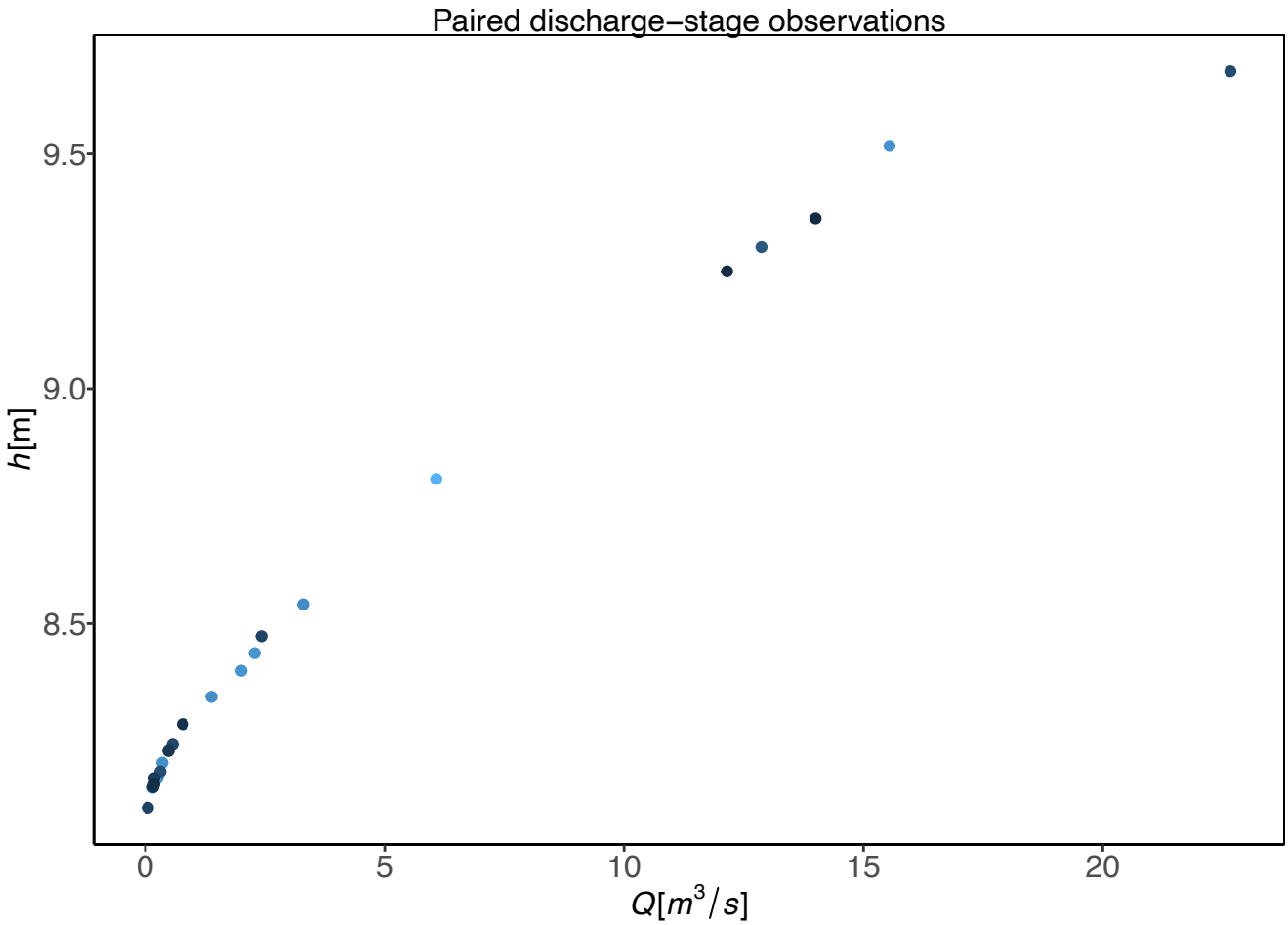
Power−law tournament results for Krokbräcke, Sweden



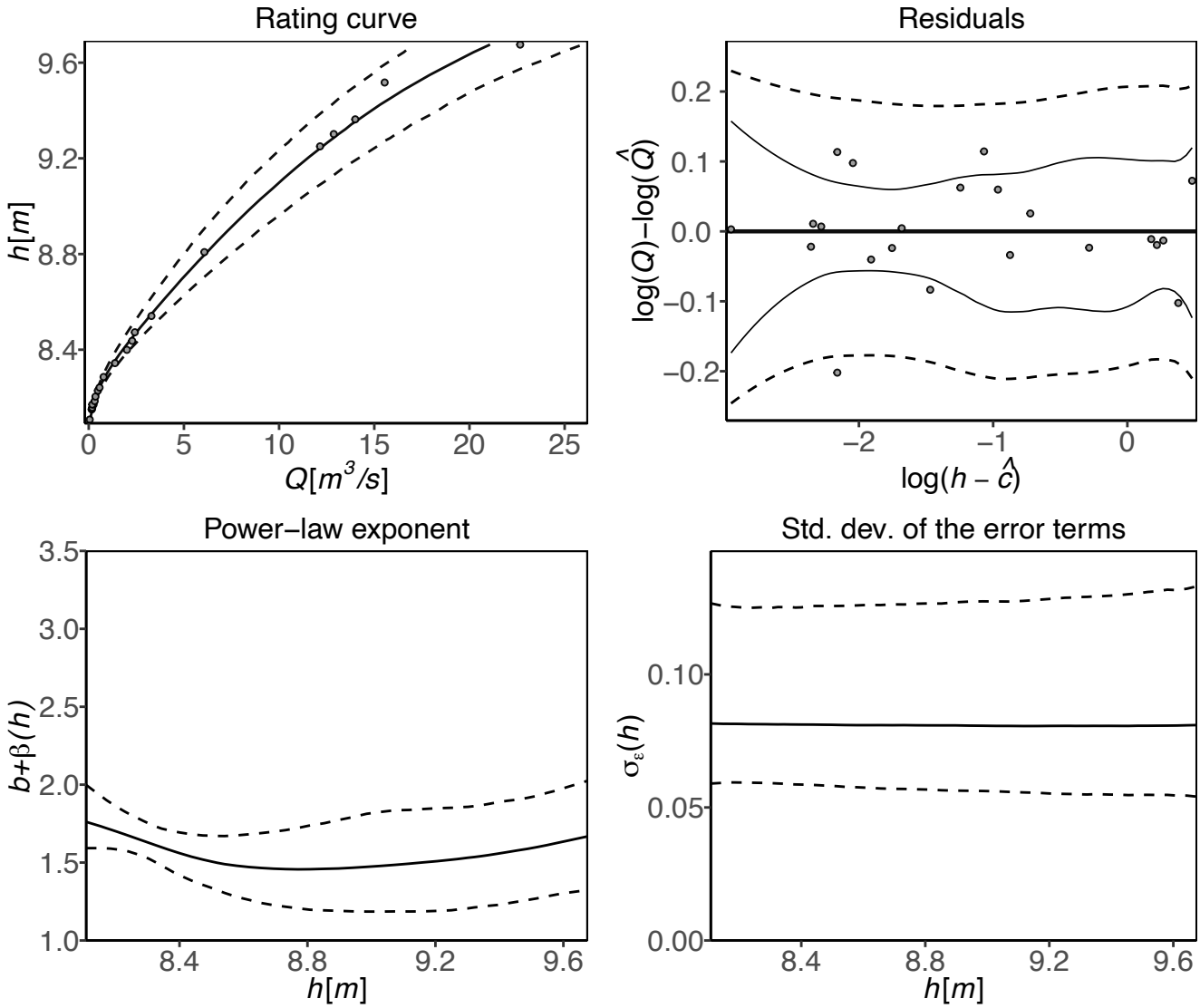
Station name:	Ellinge
Location:	Sweden
Station number:	2126
Number of observations:	22
Start date:	1998–10–28
End date:	2019–02–14
Max. discharge (m^3/s):	22.7
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.58
GPLM0	0.72	0.41
PLM	9.89	0.00
PLM0	9.65	0.00



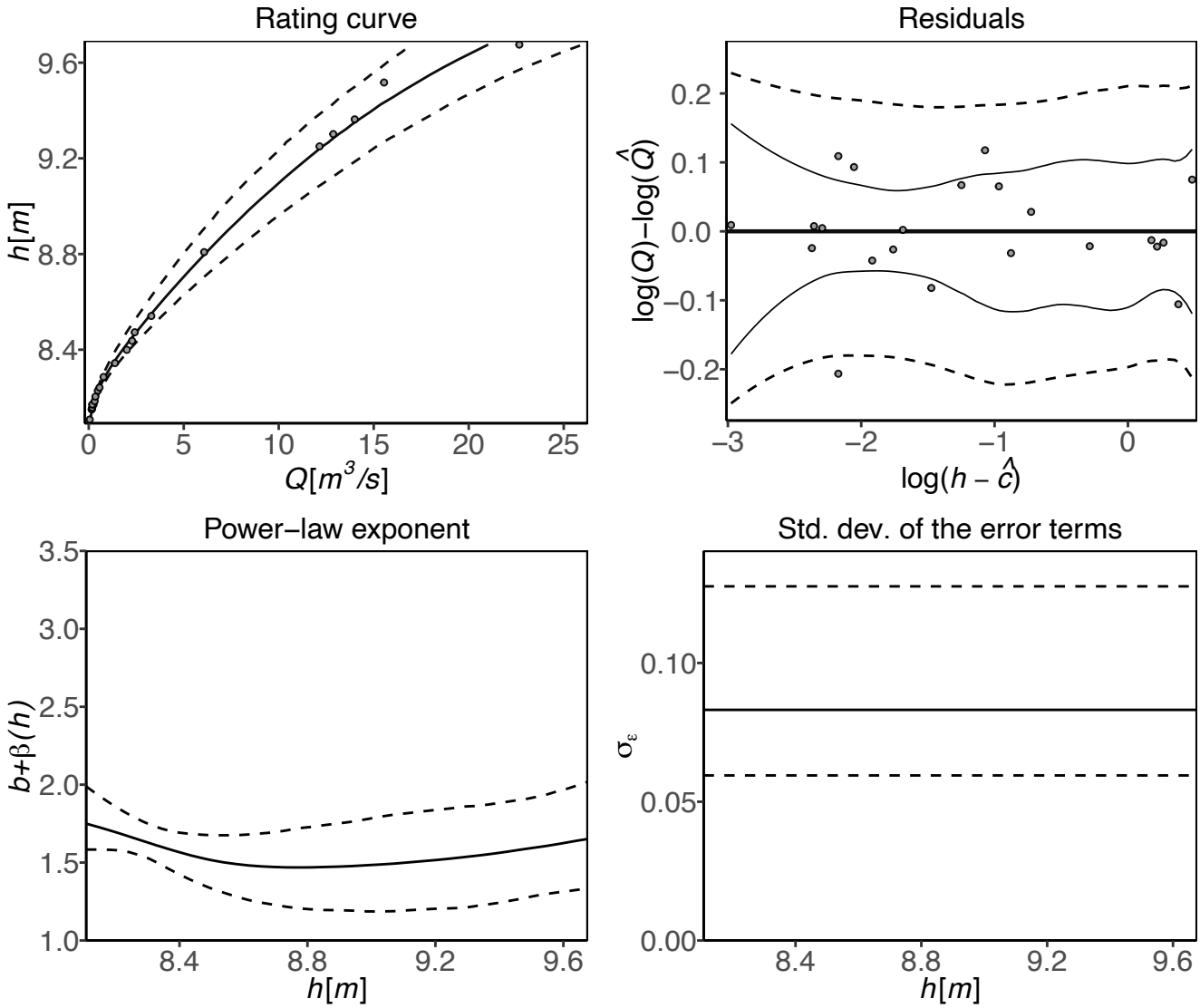


Ellinge, Sweden – GPLM



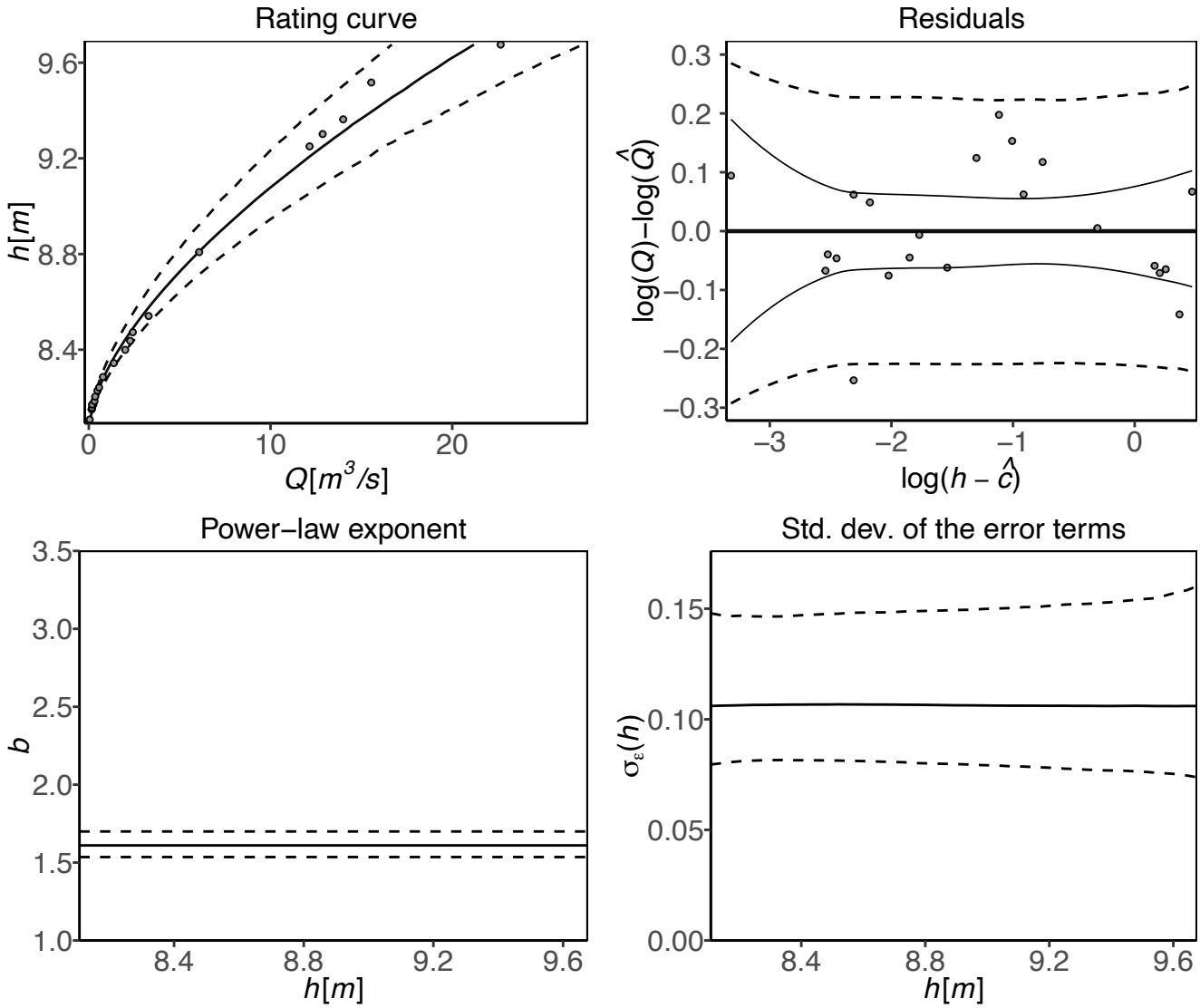
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.40	[8.34; 10.50]	2891	1.01
b	1.83	[1.83; 1.84]	11753	1.00
c	8.06	[8.03; 8.07]	1429	1.02
σ_β	0.30	[0.13; 0.75]	2068	1.01
ϕ_β	0.83	[0.30; 113.44]	805	1.12
σ_η	0.08	[0.00; 0.39]	1687	1.00
η_1	–5.01	[–5.66; –4.13]	1560	1.02
η_2	–4.98	[–7.03; –3.01]	2483	1.00
η_3	–5.09	[–7.97; –2.30]	2454	1.00
η_4	–5.13	[–8.54; –1.70]	2454	1.00
η_5	–5.14	[–8.99; –1.26]	2274	1.00
η_6	–5.13	[–9.39; –0.87]	2431	1.00

Ellinge, Sweden – GPLM0



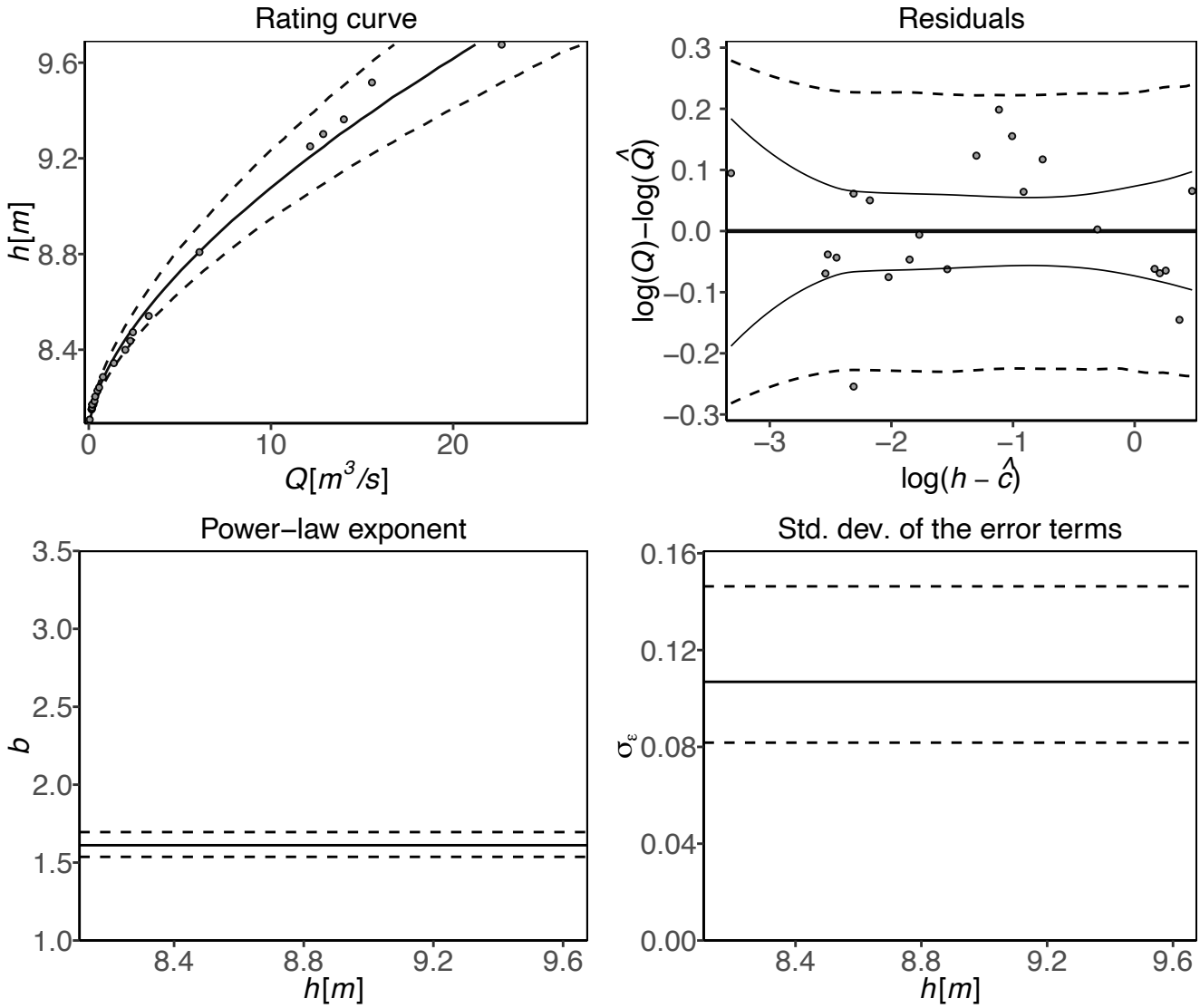
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.46	[8.36; 10.50]	3762	1.00
b	1.83	[1.83; 1.84]	12864	1.00
c	8.06	[8.03; 8.07]	2036	1.00
σ_ε	0.08	[0.06; 0.13]	2234	1.00
σ_β	0.55	[0.35; 0.88]	3761	1.00
ϕ_β	0.90	[0.31; 236.21]	849	1.03

Ellinge, Sweden – PLM



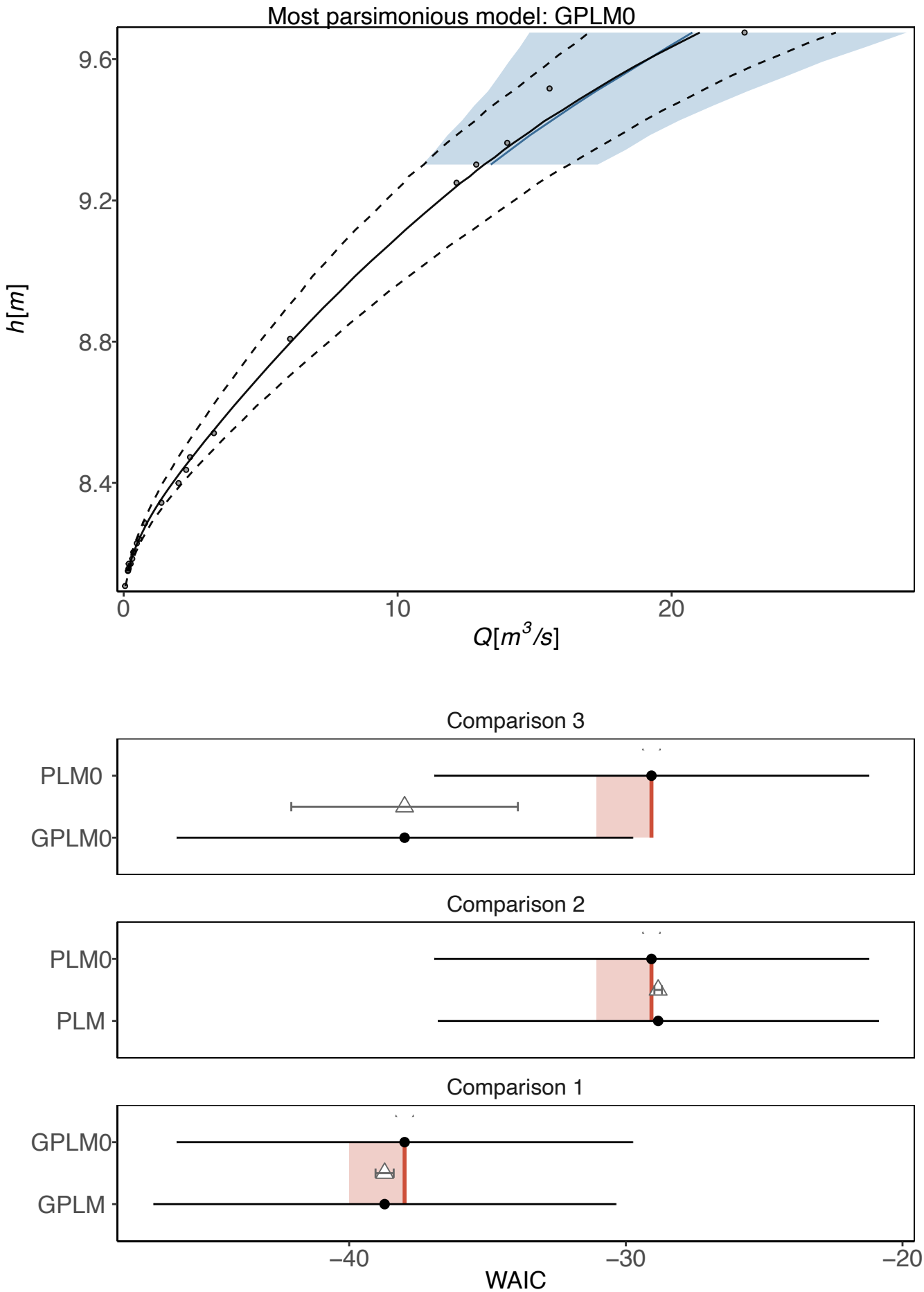
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.89	[9.21; 10.65]	9351	1.00
b	1.61	[1.54; 1.70]	3048	1.00
c	8.07	[8.06; 8.08]	2464	1.00
σ_η	0.08	[0.00; 0.41]	1803	1.00
η_1	–4.49	[–5.06; –3.82]	2535	1.00
η_2	–4.41	[–6.31; –2.50]	2861	1.00
η_3	–4.41	[–7.07; –1.81]	2991	1.00
η_4	–4.48	[–7.73; –1.22]	2852	1.00
η_5	–4.51	[–8.25; –0.71]	3086	1.00
η_6	–4.53	[–8.73; –0.28]	2835	1.00

Ellinge, Sweden – PLM0



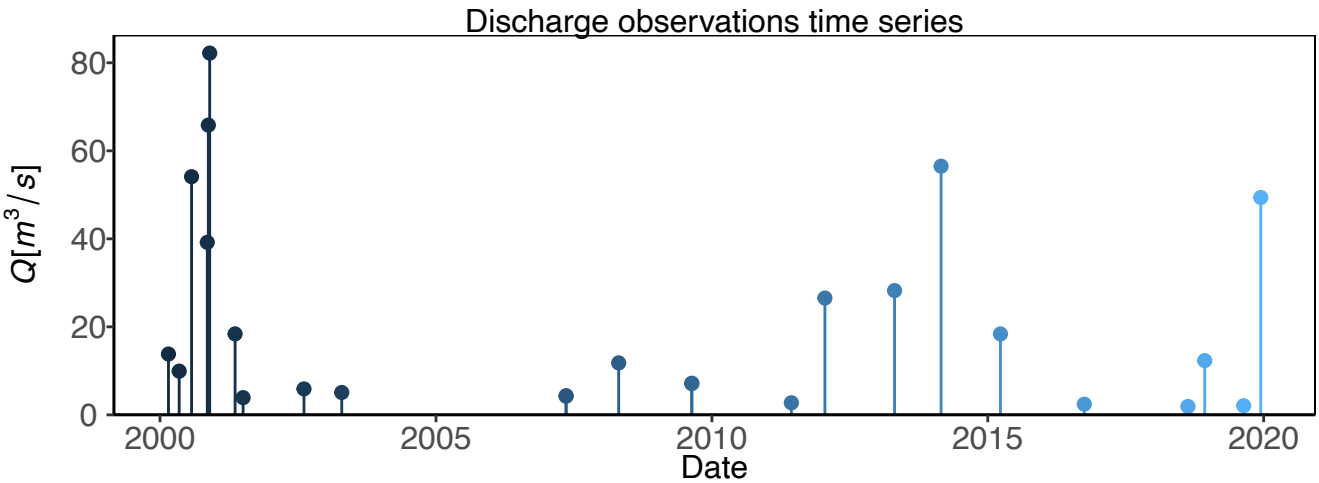
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.91	[9.21; 10.65]	16447	1.00
b	1.61	[1.54; 1.70]	10246	1.00
c	8.07	[8.06; 8.08]	8984	1.00
σ_ε	0.11	[0.08; 0.15]	9127	1.00

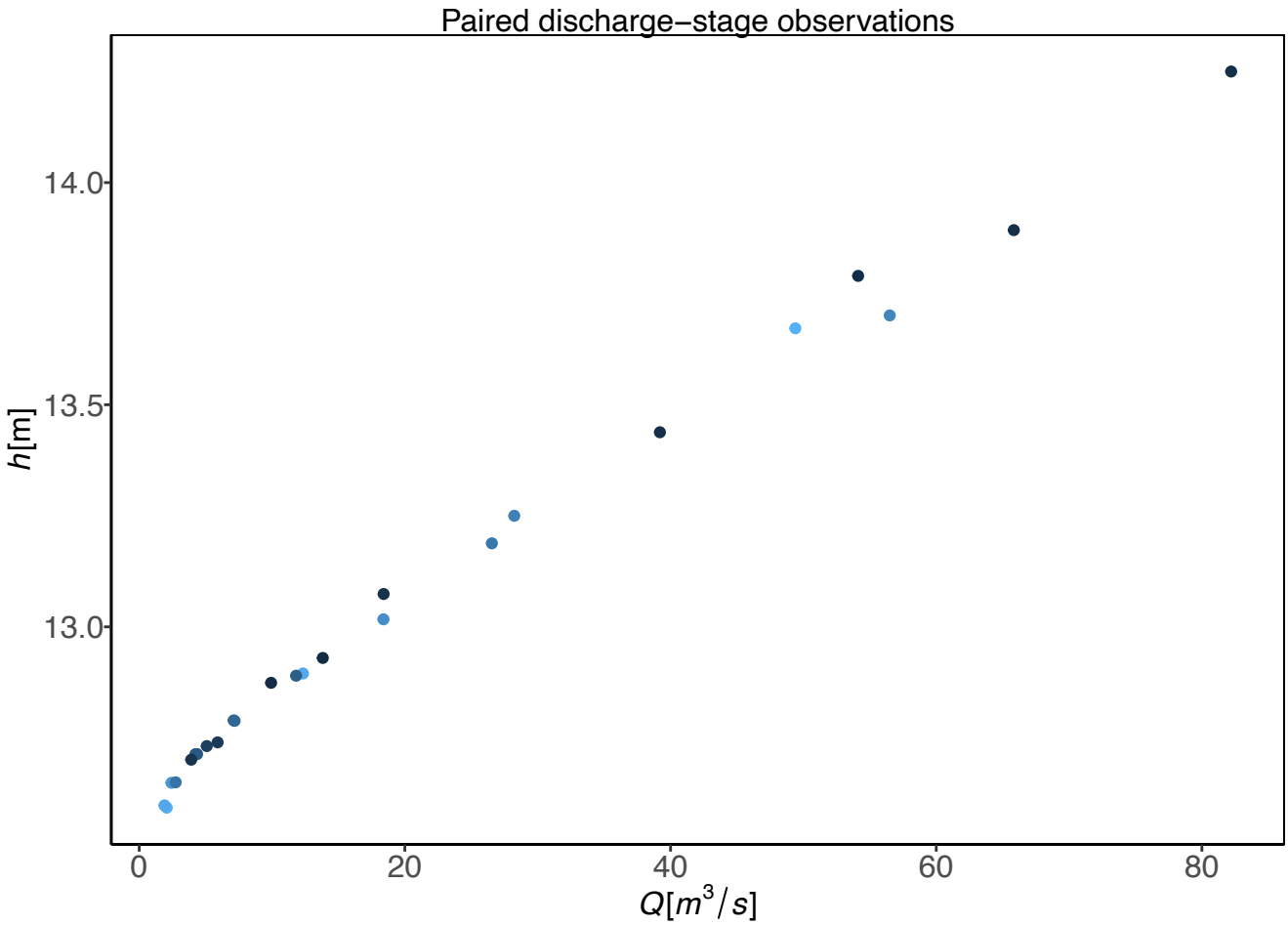
Power–law tournament results for Ellinge, Sweden



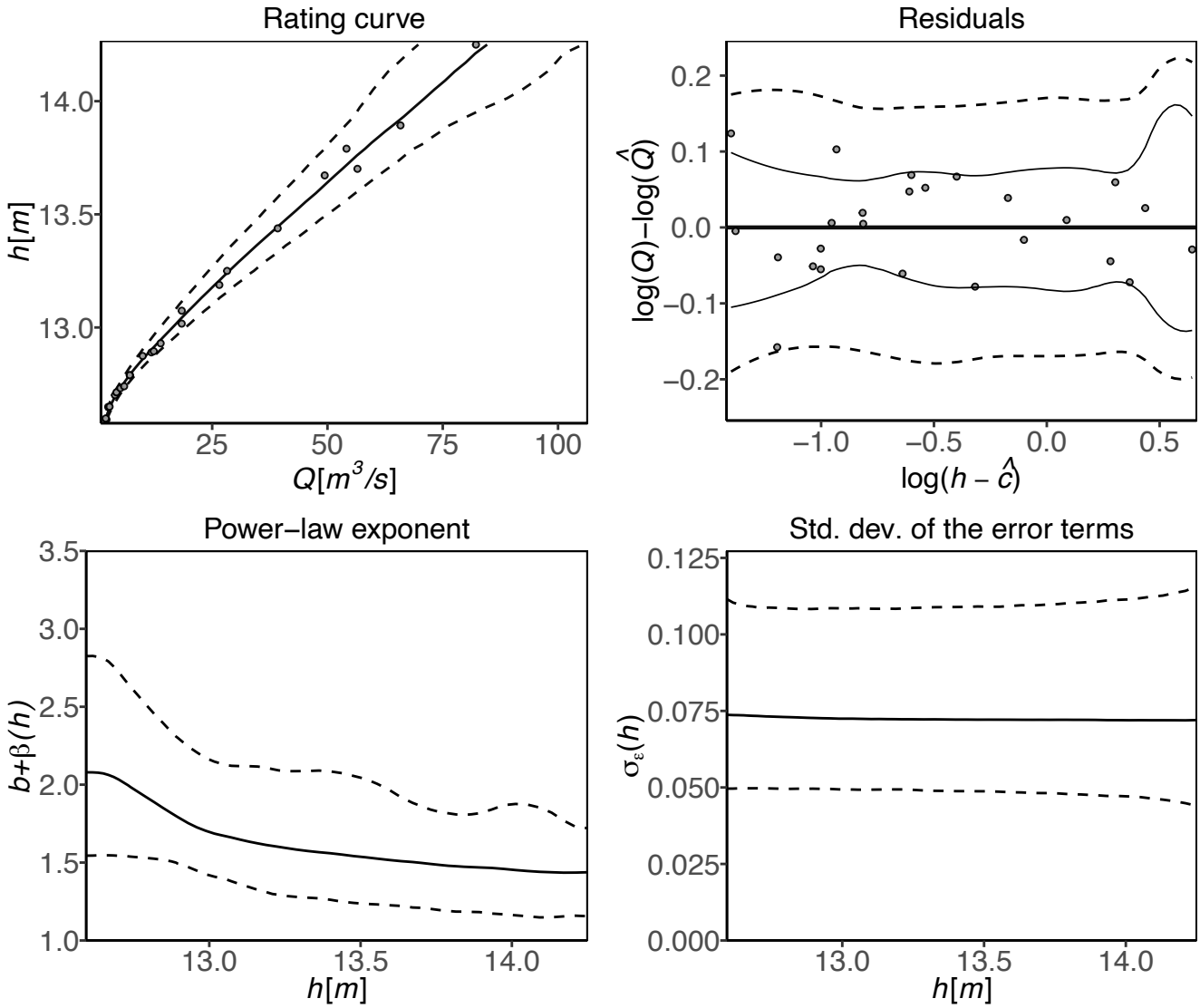
Station name:	Karlslund 2
Location:	Sweden
Station number:	2139
Number of observations:	25
Start date:	2000–02–26
End date:	2019–12–13
Max. discharge (m^3/s):	82.2
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.51
GPLM0	0.08	0.49
PLM	13.56	0.00
PLM0	13.77	0.00



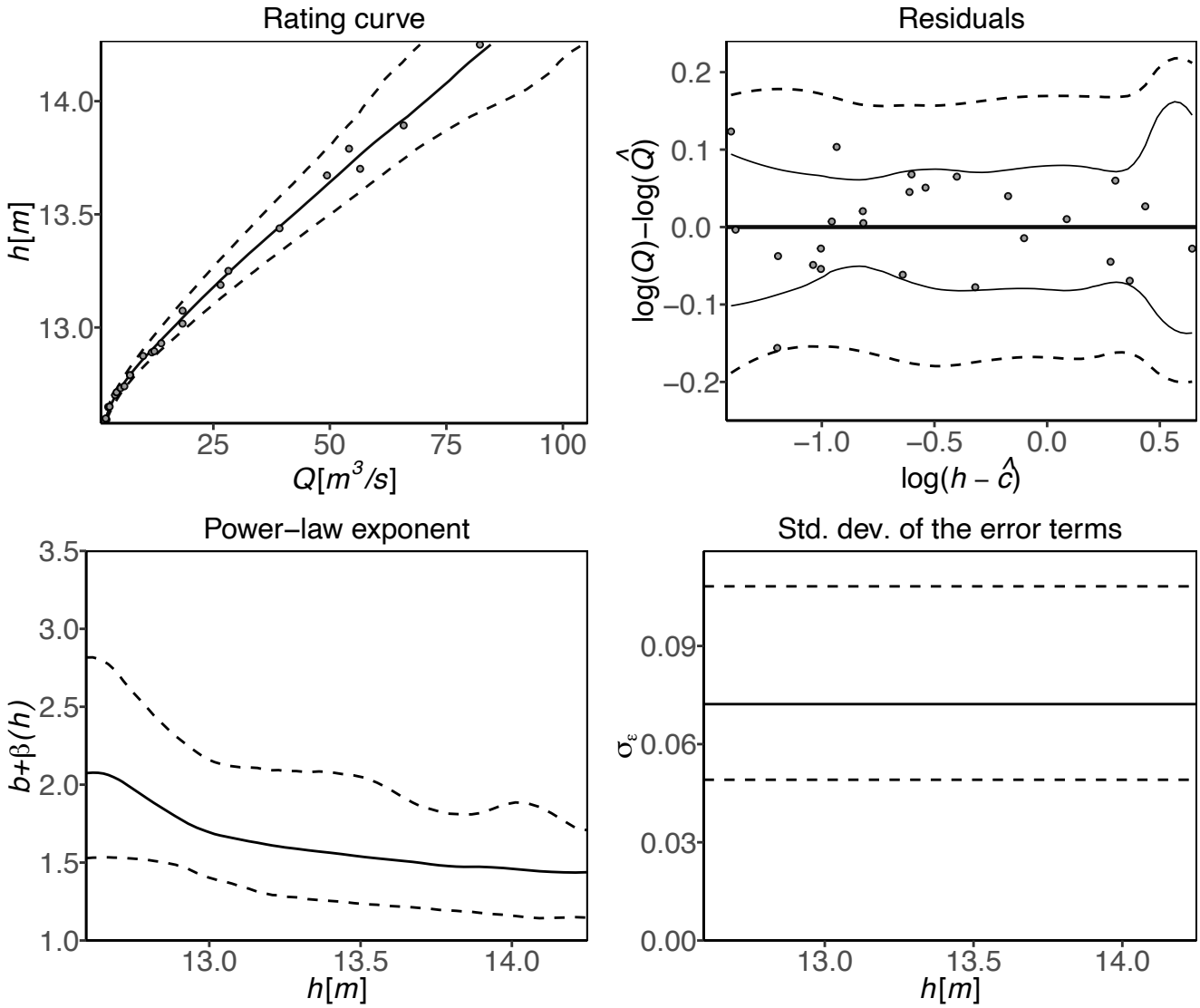


Karlslund 2, Sweden – GPLM



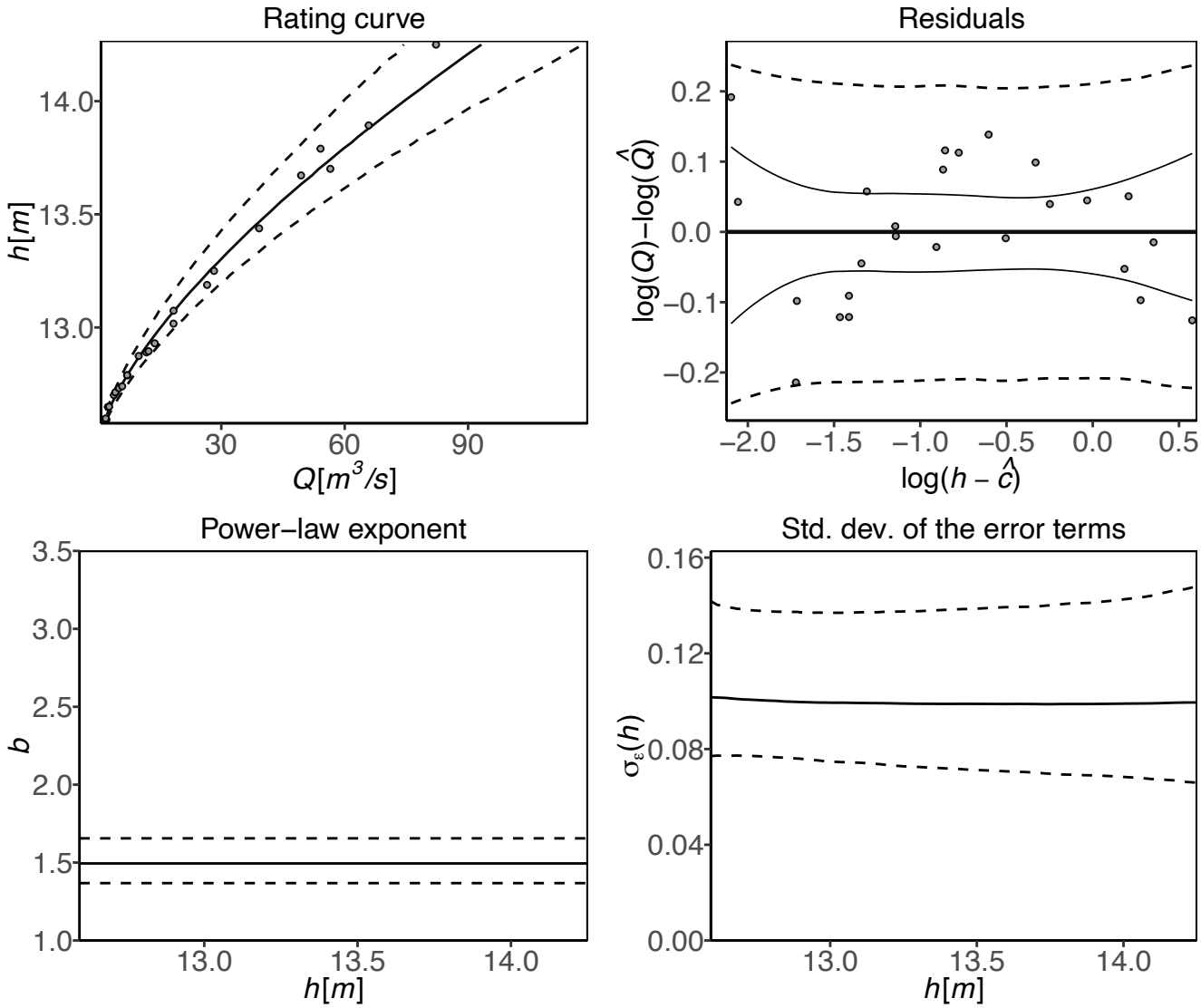
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	33.82	[26.25; 40.22]	1699	1.01
b	1.83	[1.83; 1.84]	10134	1.00
c	12.35	[12.20; 12.46]	1388	1.01
σ_β	0.35	[0.17; 0.84]	1884	1.00
ϕ_β	0.63	[0.16; 8.83]	1063	1.03
σ_η	0.08	[0.00; 0.41]	1666	1.00
η_1	–5.21	[–6.01; –4.39]	1732	1.01
η_2	–5.35	[–7.25; –3.40]	2520	1.00
η_3	–5.42	[–8.03; –2.65]	2415	1.00
η_4	–5.44	[–8.54; –2.11]	2291	1.00
η_5	–5.47	[–9.05; –1.68]	2445	1.00
η_6	–5.53	[–9.59; –1.18]	2310	1.00

Karlslund 2, Sweden – GPLM0



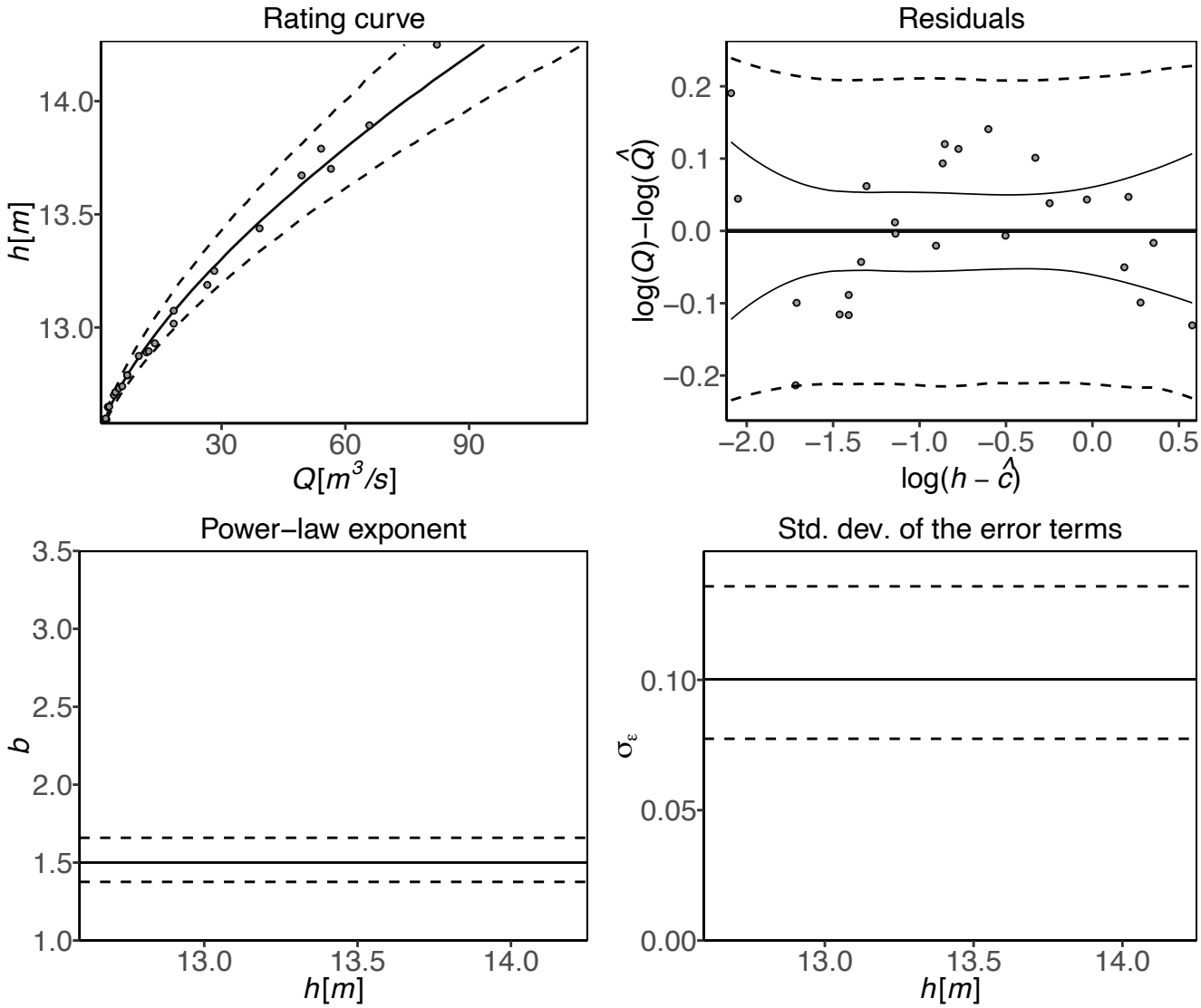
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	33.84	[26.13; 40.19]	3299	1.00
b	1.83	[1.83; 1.84]	14214	1.00
c	12.35	[12.20; 12.46]	2427	1.00
σ_ε	0.07	[0.05; 0.11]	3532	1.00
σ_β	0.60	[0.42; 0.92]	4591	1.00
ϕ_β	0.62	[0.16; 9.41]	1394	1.01

Karlslund 2, Sweden – PLM



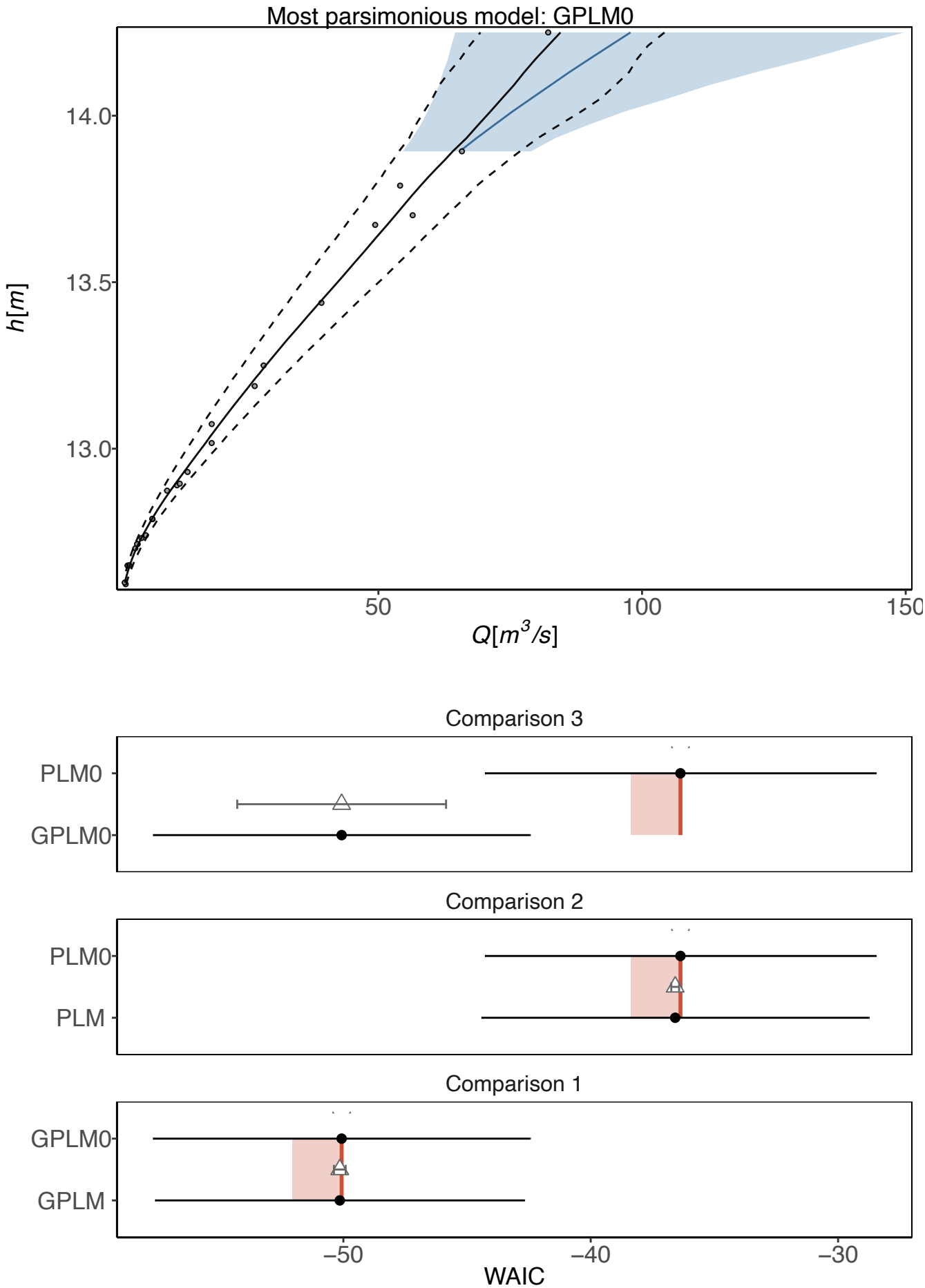
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	39.37	[36.18; 42.20]	4783	1.00
b	1.49	[1.37; 1.66]	2926	1.00
c	12.47	[12.43; 12.50]	2611	1.00
σ_η	0.08	[0.00; 0.44]	1853	1.00
η_1	–4.57	[–5.13; –3.91]	2458	1.00
η_2	–4.73	[–6.64; –2.74]	2736	1.00
η_3	–4.85	[–7.56; –2.09]	2676	1.00
η_4	–4.88	[–8.21; –1.47]	3010	1.00
η_5	–4.85	[–8.78; –1.04]	2710	1.00
η_6	–4.80	[–9.12; –0.49]	2953	1.00

Karlslund 2, Sweden – PLM0



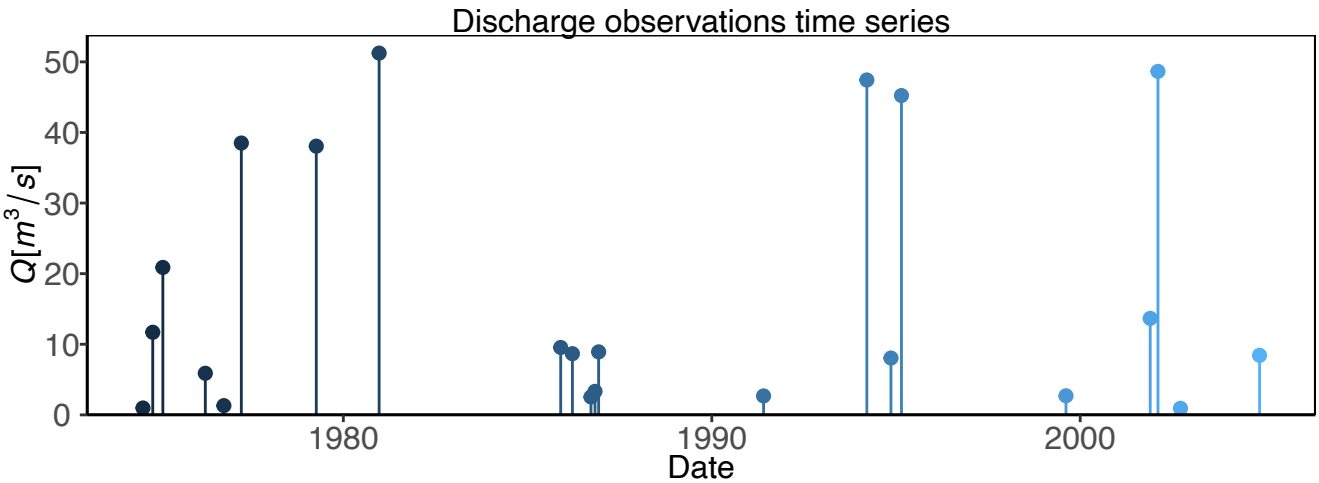
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	39.32	[36.20; 42.20]	13026	1.00
b	1.50	[1.38; 1.66]	9882	1.00
c	12.47	[12.43; 12.50]	9441	1.00
σ_ε	0.10	[0.08; 0.14]	9084	1.00

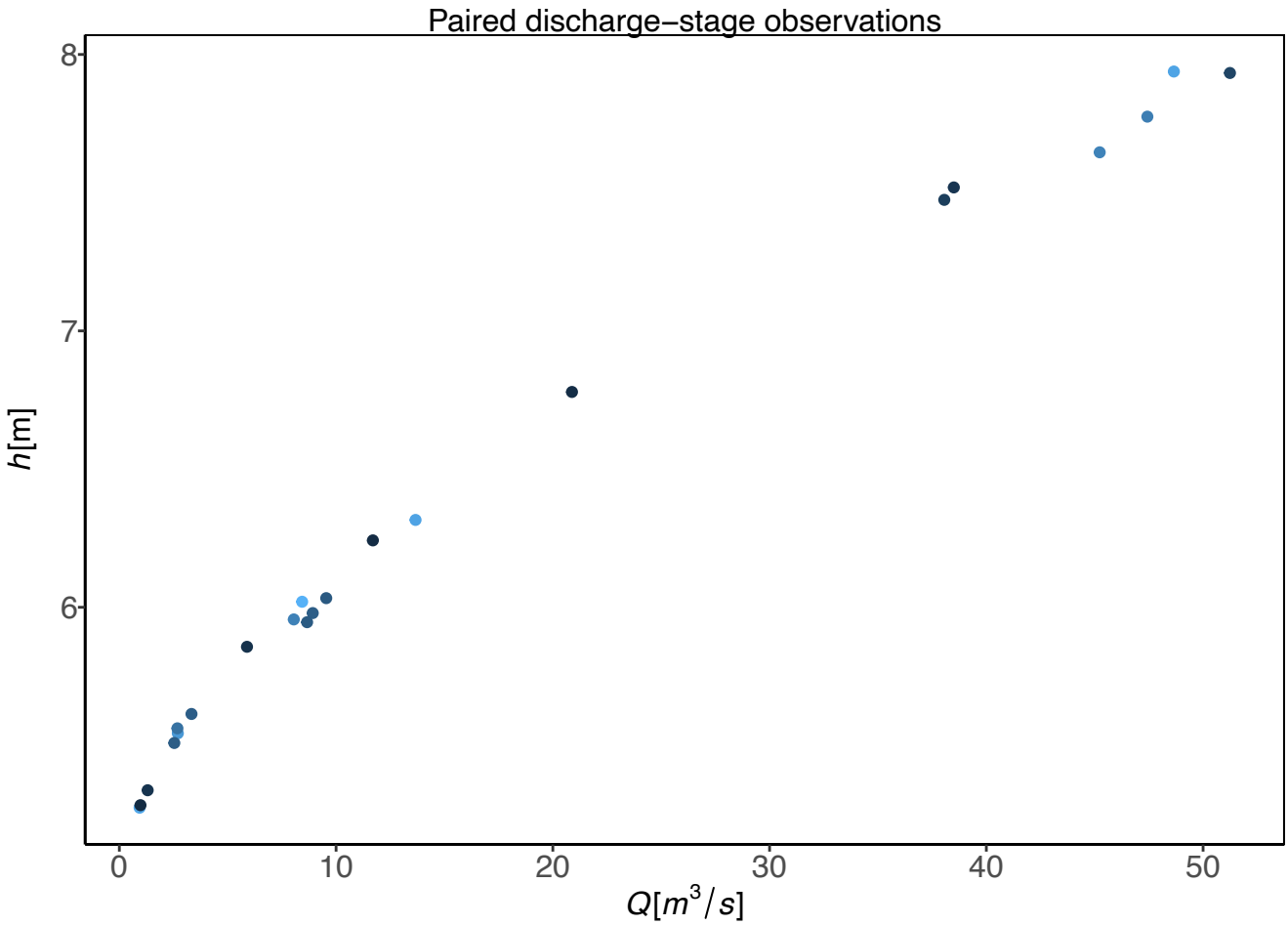
Power−law tournament results for Karlslund 2, Sweden



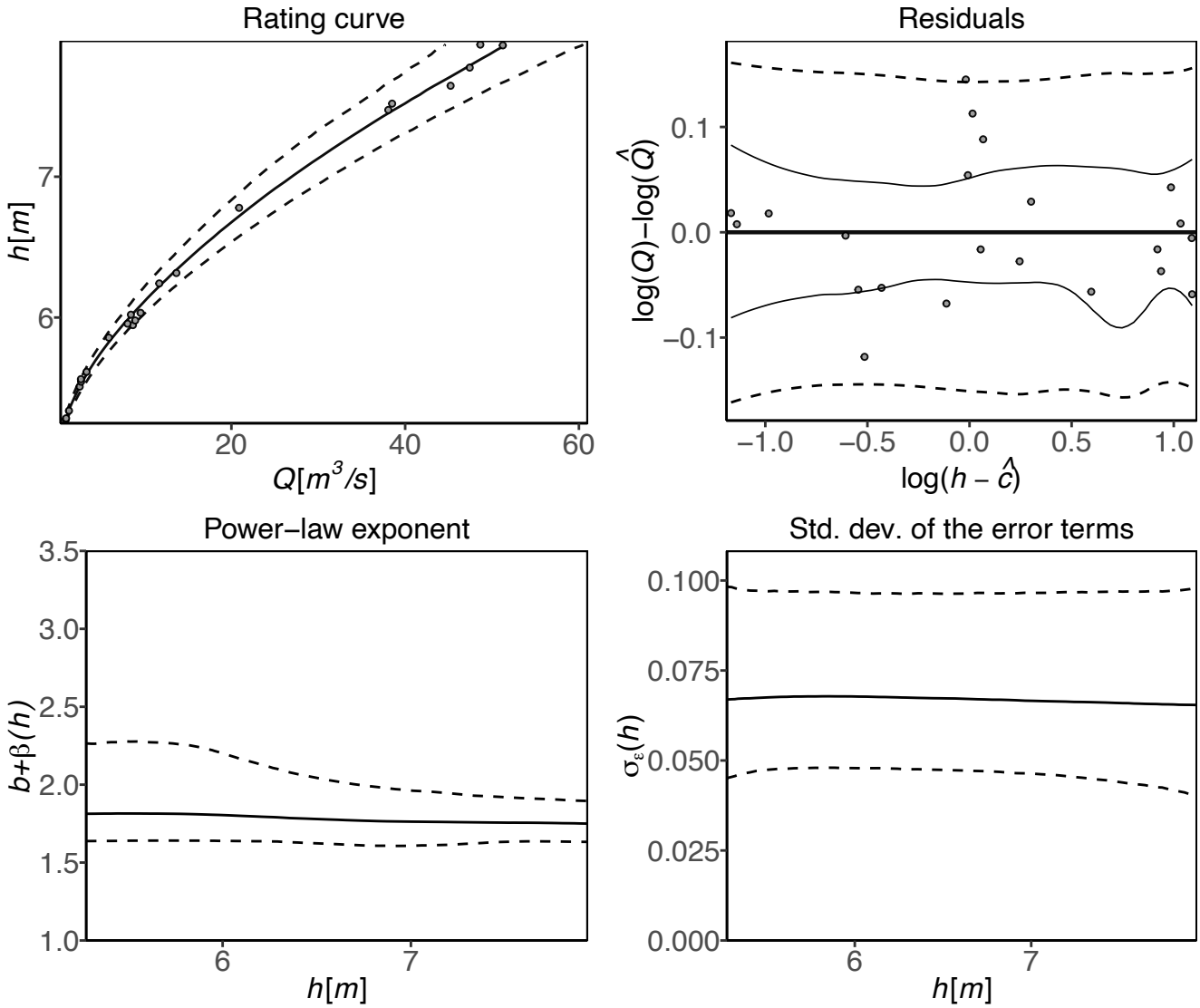
Station name:	Spånga Nedre
Location:	Sweden
Station number:	2143
Number of observations:	22
Start date:	1974–07–25
End date:	2004–11–13
Max. discharge (m^3/s):	51.2
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.36
GPLM0	0.32	0.31
PLM	1.43	0.18
PLM0	1.74	0.15



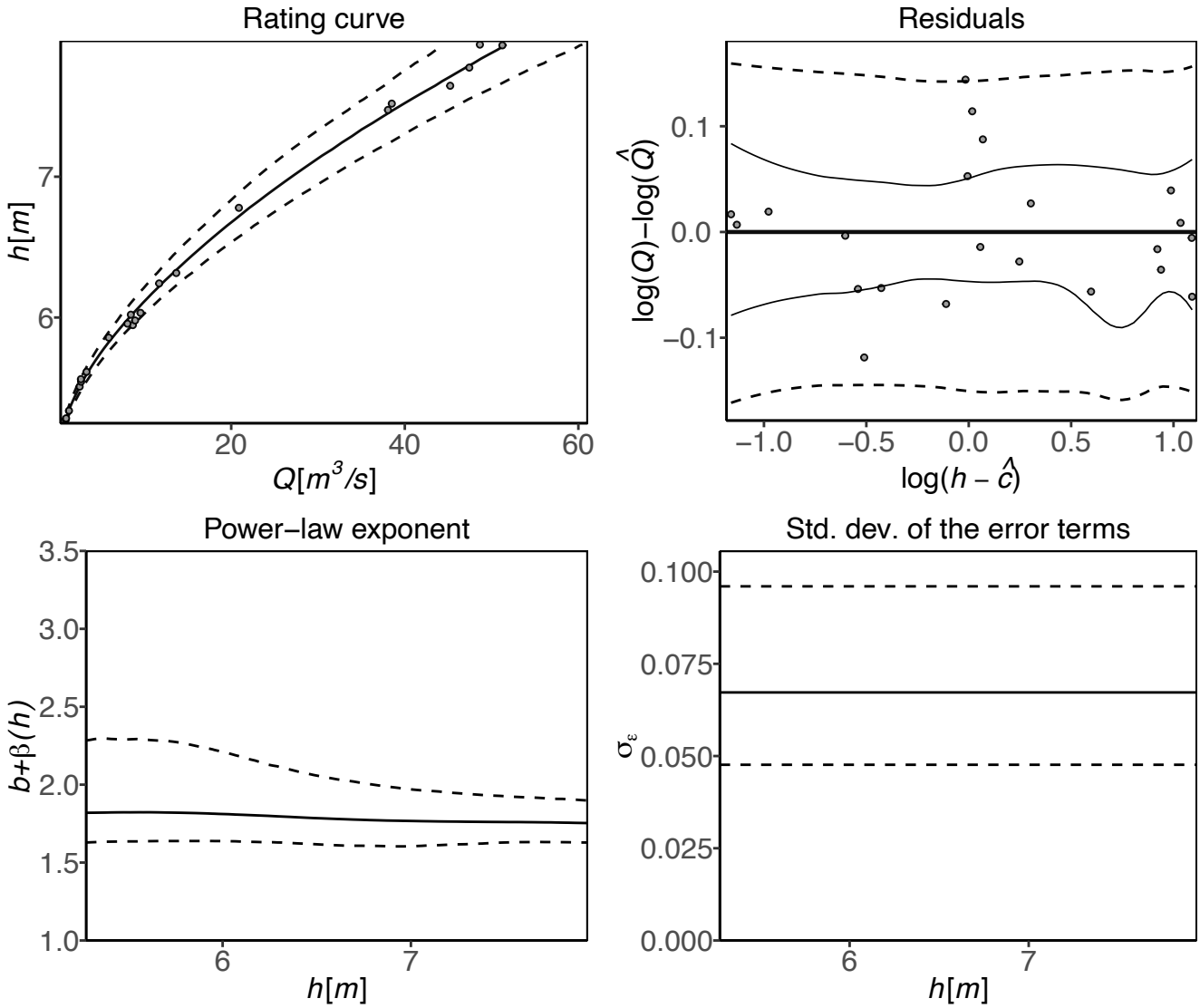


Spånga Nedre, Sweden – GPLM



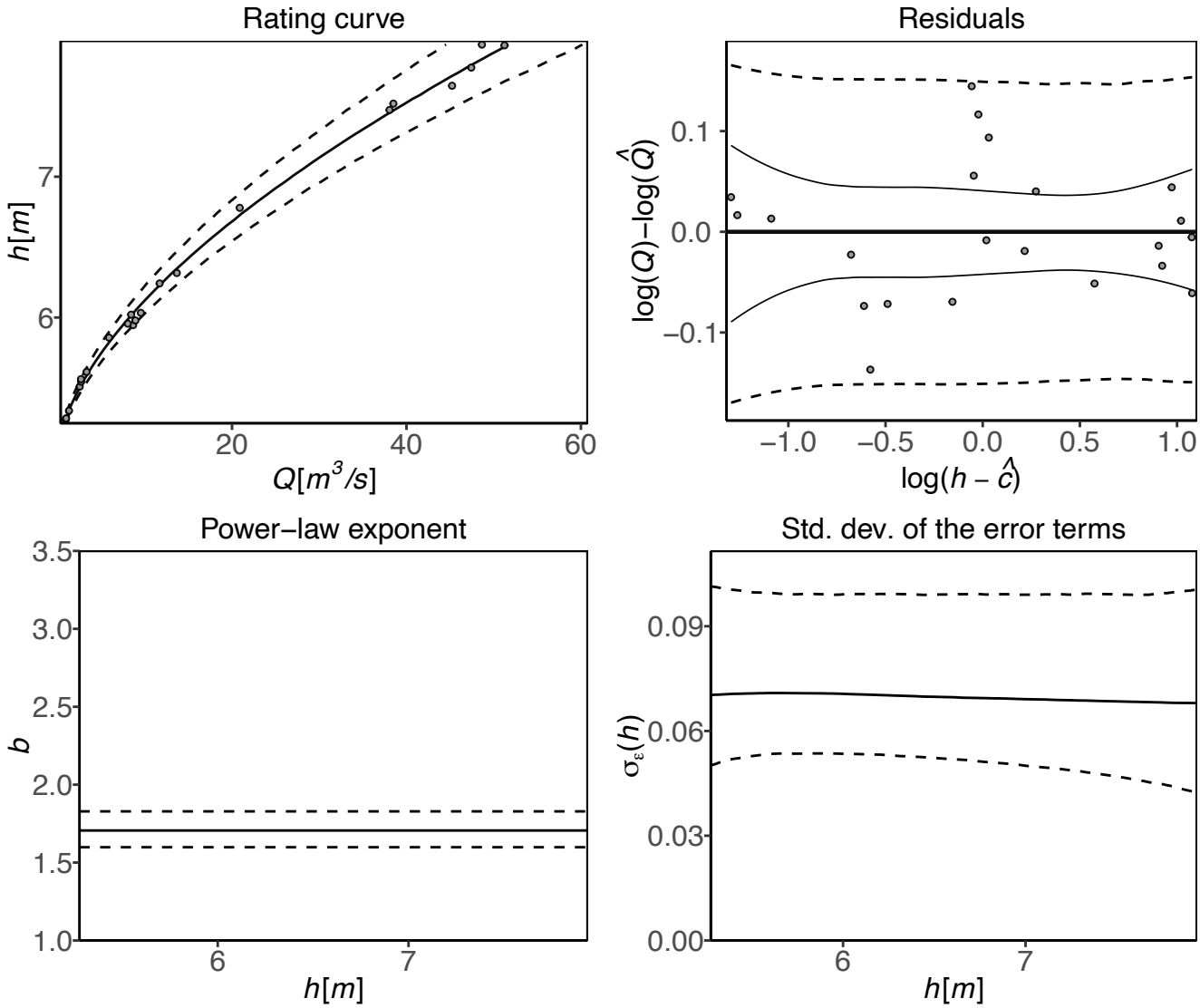
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.70	[6.04; 8.85]	1393	1.01
b	1.83	[1.83; 1.84]	9127	1.00
c	4.96	[4.84; 5.03]	1346	1.01
σ_β	0.14	[0.02; 0.55]	1423	1.00
ϕ_β	6.41	[0.49; 8823.55]	898	1.03
σ_η	0.08	[0.00; 0.47]	1489	1.00
η_1	–5.41	[–6.20; –4.64]	1715	1.00
η_2	–5.26	[–7.30; –3.39]	2122	1.00
η_3	–5.30	[–7.95; –2.70]	2250	1.00
η_4	–5.47	[–8.68; –2.31]	2190	1.00
η_5	–5.61	[–9.26; –1.93]	2263	1.00
η_6	–5.77	[–9.96; –1.52]	2168	1.00

Spånga Nedre, Sweden – GPLM0



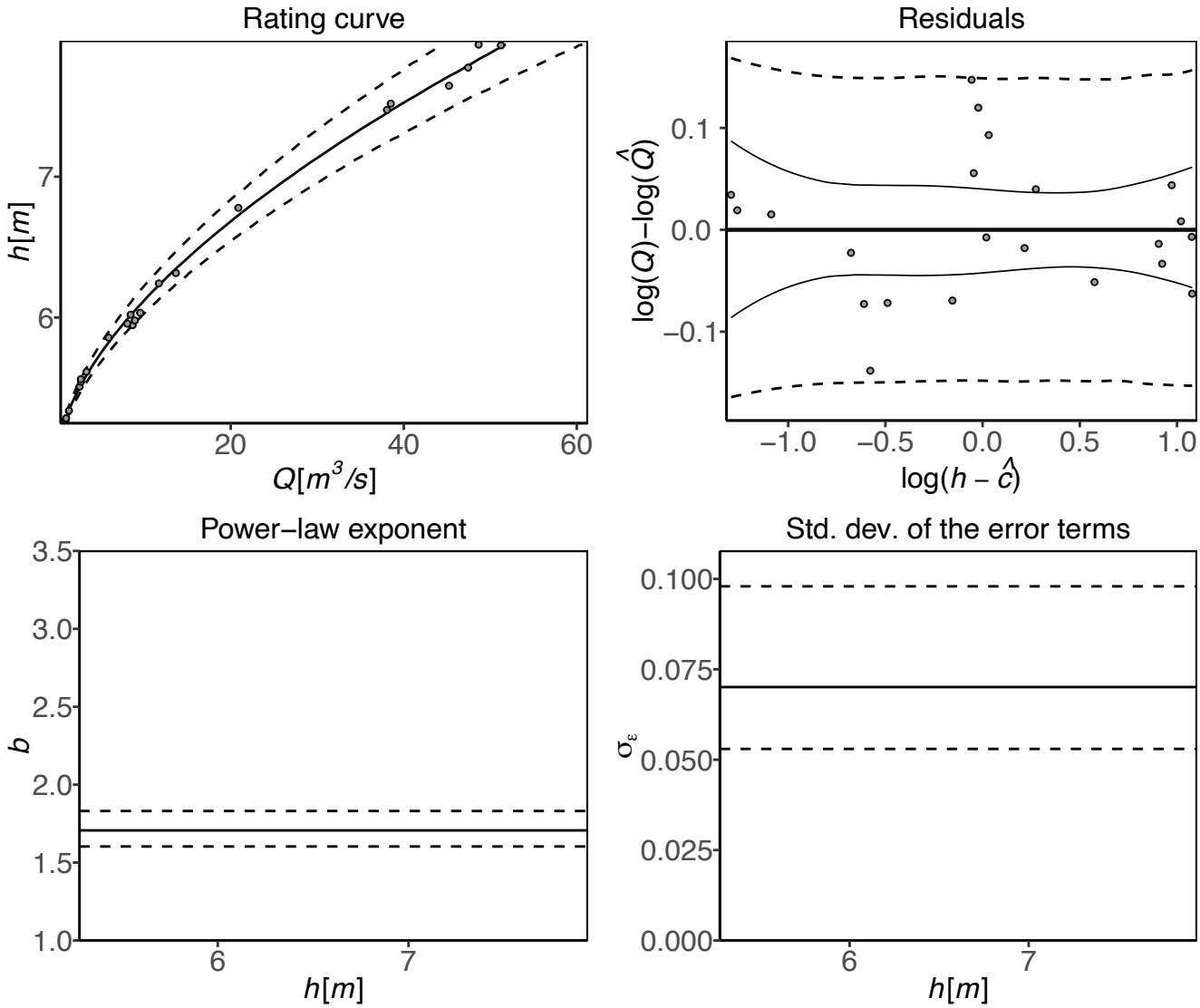
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.66	[5.96; 8.89]	2466	1.00
b	1.83	[1.83; 1.84]	12073	1.00
c	4.96	[4.83; 5.03]	2340	1.00
σ_ε	0.07	[0.05; 0.10]	3835	1.00
σ_β	0.38	[0.13; 0.74]	2167	1.00
ϕ_β	5.46	[0.51; 3452.48]	1323	1.01

Spånga Nedre, Sweden – PLM



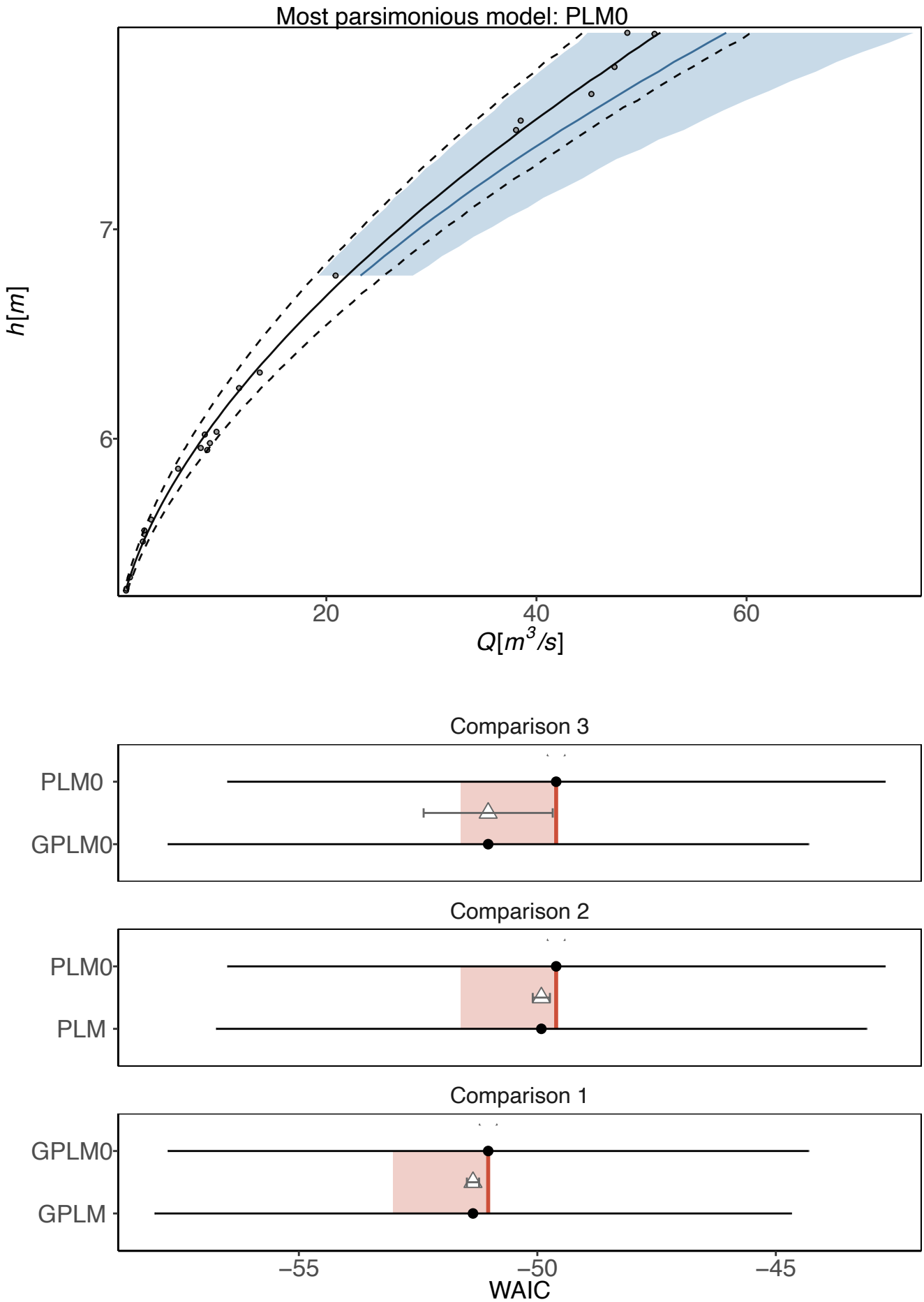
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	8.24	[7.22; 9.18]	2667	1.00
b	1.71	[1.60; 1.83]	2832	1.00
c	5.00	[4.94; 5.05]	2553	1.00
σ_η	0.08	[0.00; 0.47]	1800	1.00
η_1	–5.31	[–5.99; –4.58]	2392	1.00
η_2	–5.16	[–7.03; –3.27]	2908	1.00
η_3	–5.27	[–7.83; –2.59]	2913	1.00
η_4	–5.53	[–8.63; –2.23]	2905	1.00
η_5	–5.66	[–9.20; –1.81]	2861	1.00
η_6	–5.79	[–9.82; –1.41]	2681	1.00

Spånga Nedre, Sweden – PLM0



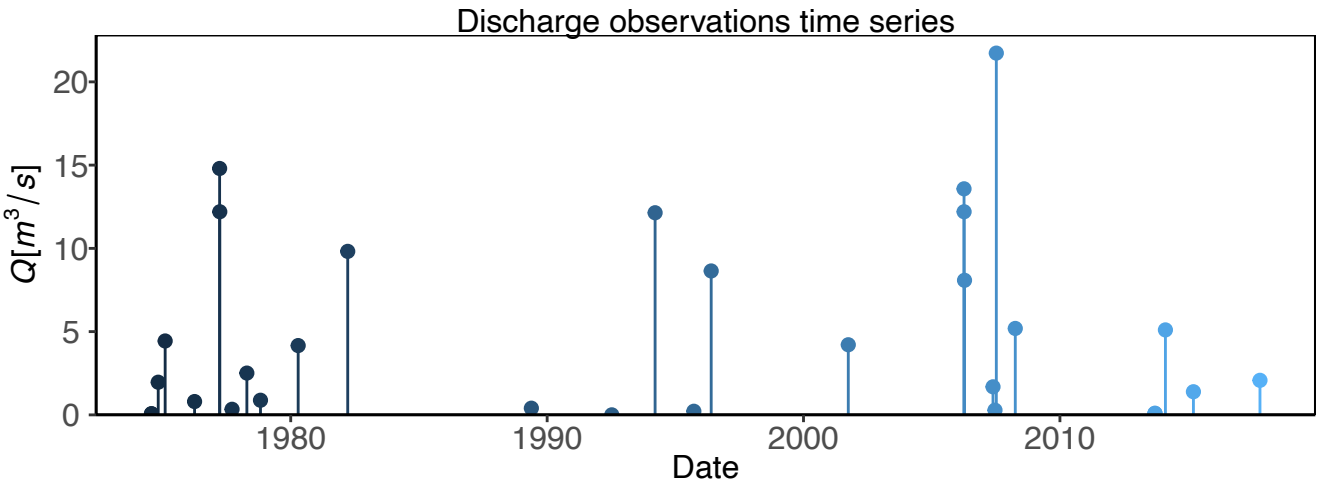
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	8.24	[7.21; 9.16]	9415	1.00
b	1.71	[1.60; 1.83]	9497	1.00
c	5.00	[4.94; 5.05]	9255	1.00
σ_ε	0.07	[0.05; 0.10]	8878	1.00

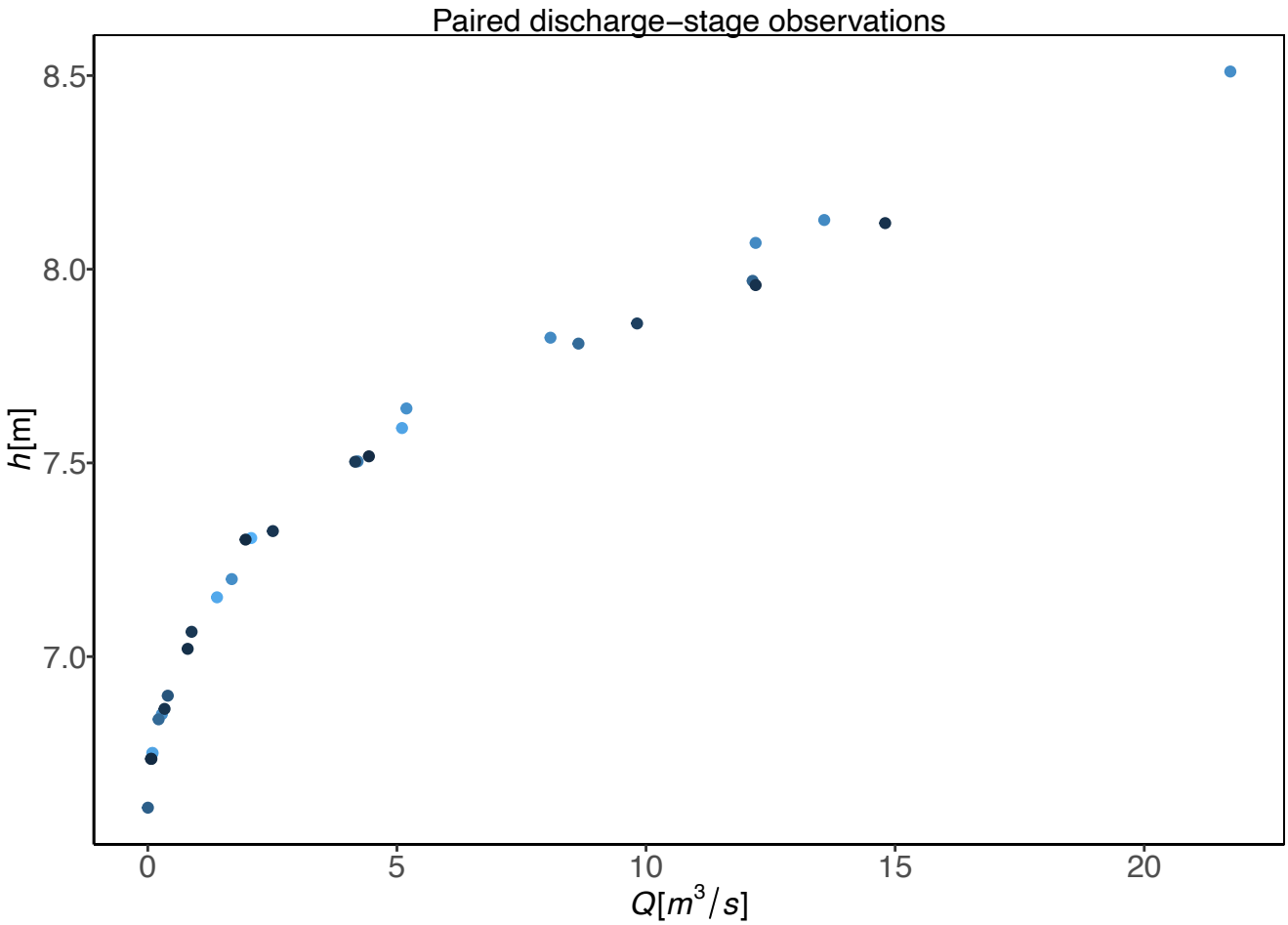
Power−law tournament results for Spånga Nedre, Sweden



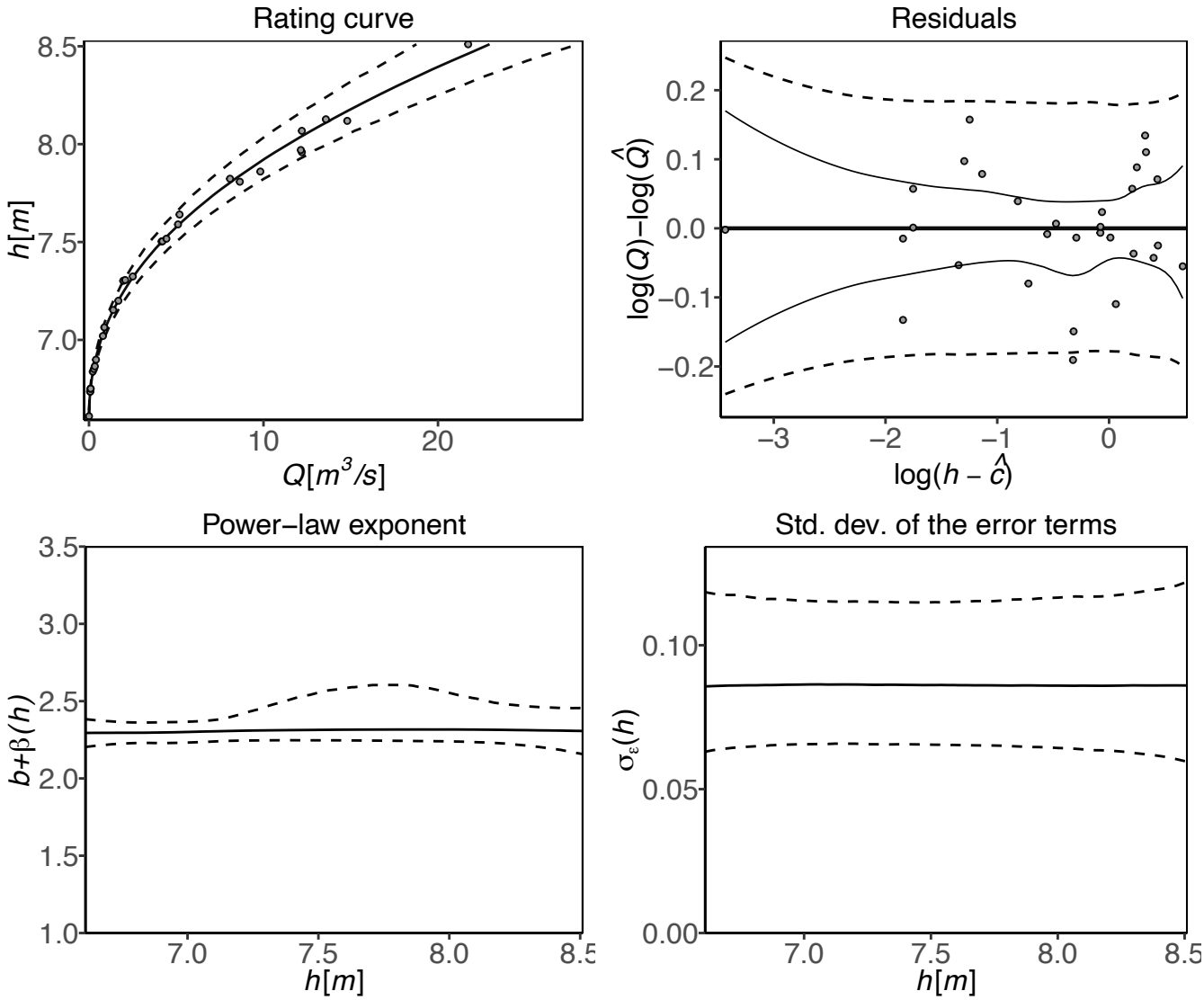
Station name:	Bivarödsmölla
Location:	Sweden
Station number:	2145
Number of observations:	30
Start date:	1974–07–27
End date:	2017–10–21
Max. discharge (m^3/s):	21.7
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.06	0.25
GPLM0	0.00	0.26
PLM	0.32	0.22
PLM0	0.03	0.26



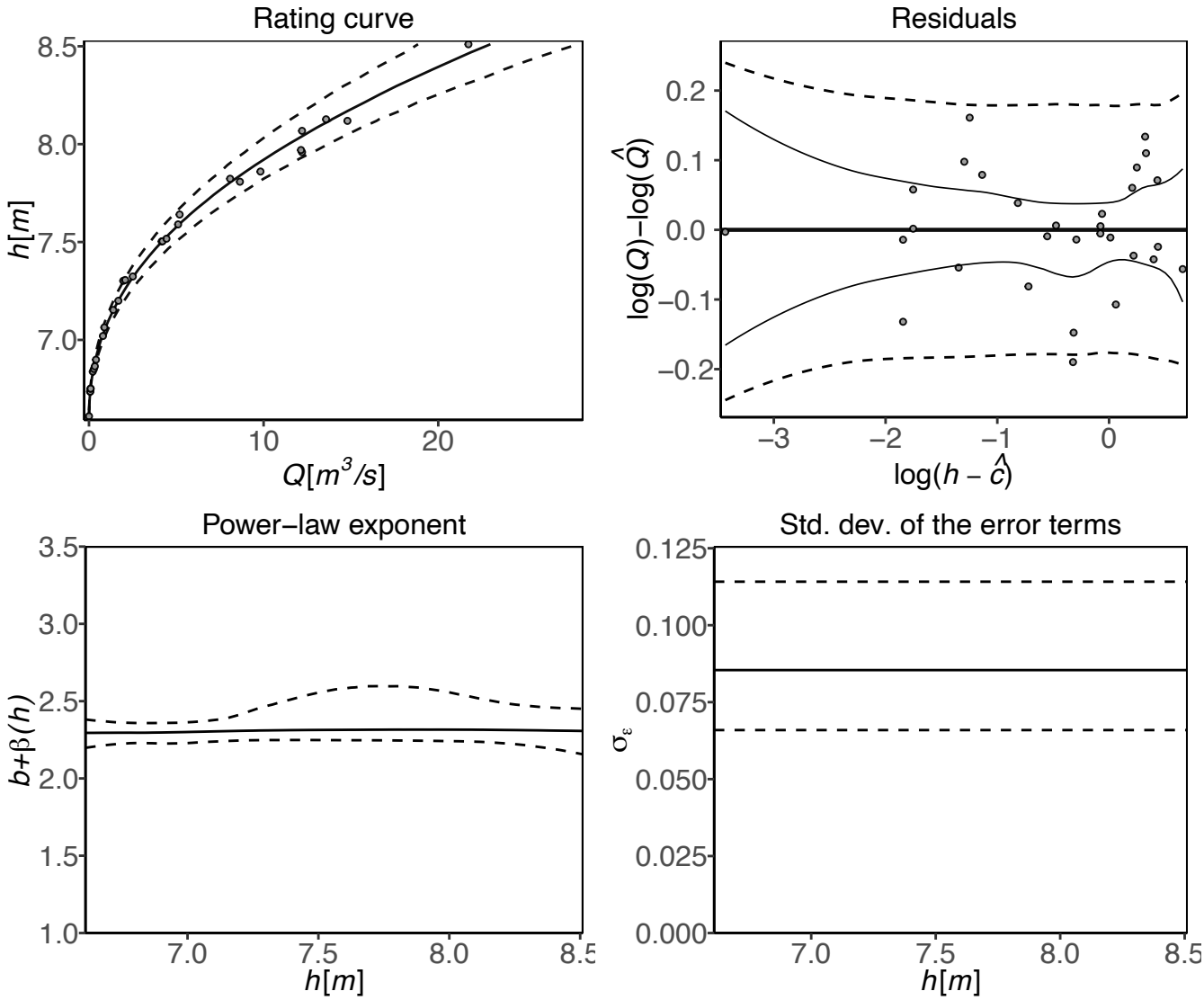


Bivarödsmölla, Sweden – GPLM



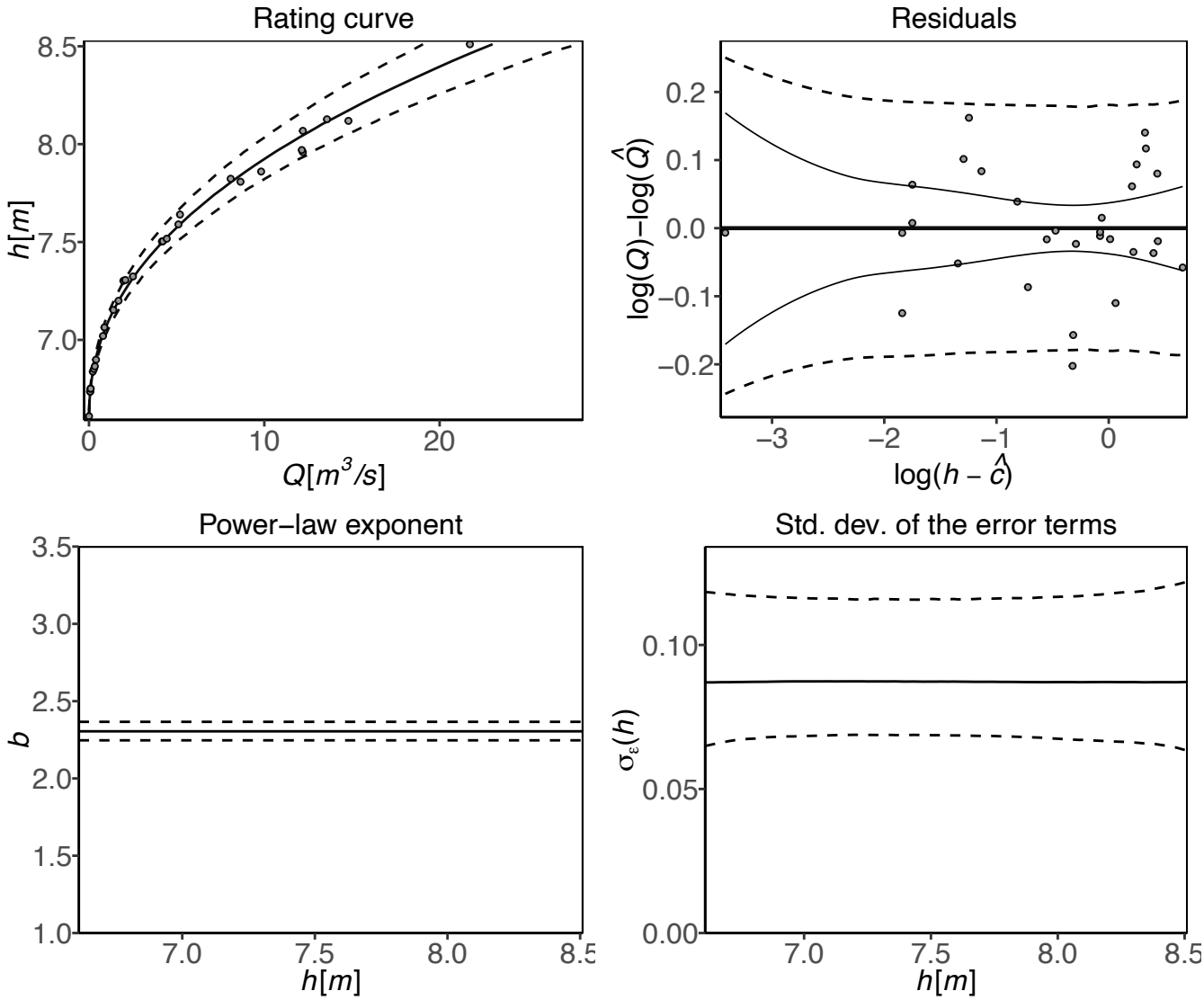
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	5.02	[4.80; 5.23]	5282	1.00
b	1.84	[1.83; 1.84]	10090	1.00
c	6.58	[6.57; 6.58]	1633	1.01
σ_β	0.36	[0.18; 0.83]	2455	1.00
ϕ_β	19.65	[0.78; 10902.54]	1232	1.00
σ_η	0.07	[0.00; 0.39]	1332	1.01
η_1	–4.91	[–5.53; –4.27]	1748	1.00
η_2	–4.81	[–6.71; –2.91]	2186	1.00
η_3	–4.82	[–7.43; –2.27]	2312	1.00
η_4	–4.86	[–8.13; –1.67]	2218	1.00
η_5	–4.88	[–8.69; –1.15]	2215	1.00
η_6	–4.87	[–9.14; –0.60]	2173	1.00

Bivarödsmölla, Sweden – GPLM0



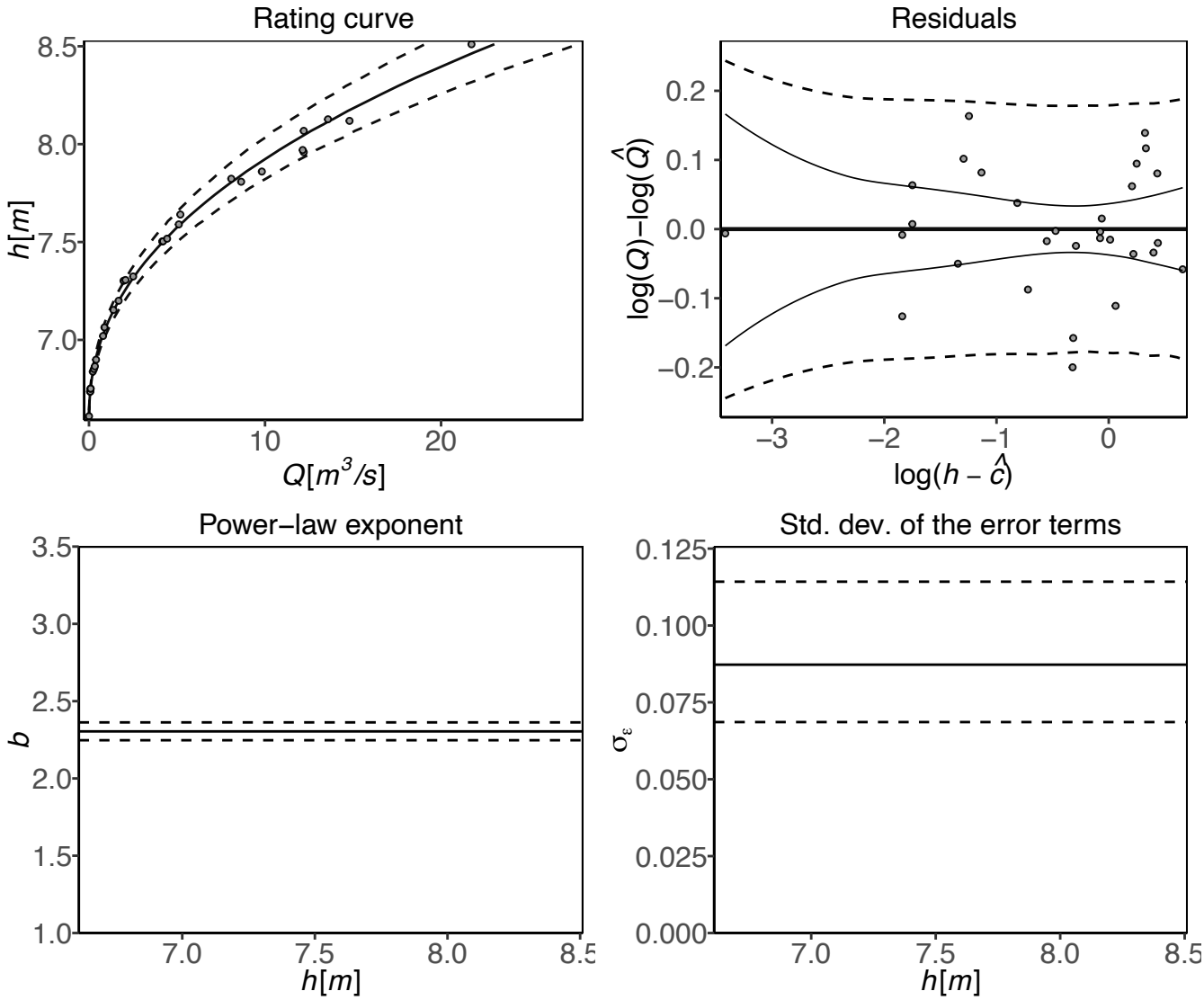
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	5.02	[4.80; 5.22]	7397	1.00
b	1.84	[1.83; 1.84]	10883	1.00
c	6.58	[6.57; 6.58]	2883	1.00
σ_ε	0.09	[0.07; 0.11]	3821	1.00
σ_β	0.60	[0.42; 0.91]	5758	1.00
ϕ_β	20.54	[0.78; 19336.49]	1980	1.00

Bivarödsmölla, Sweden – PLM



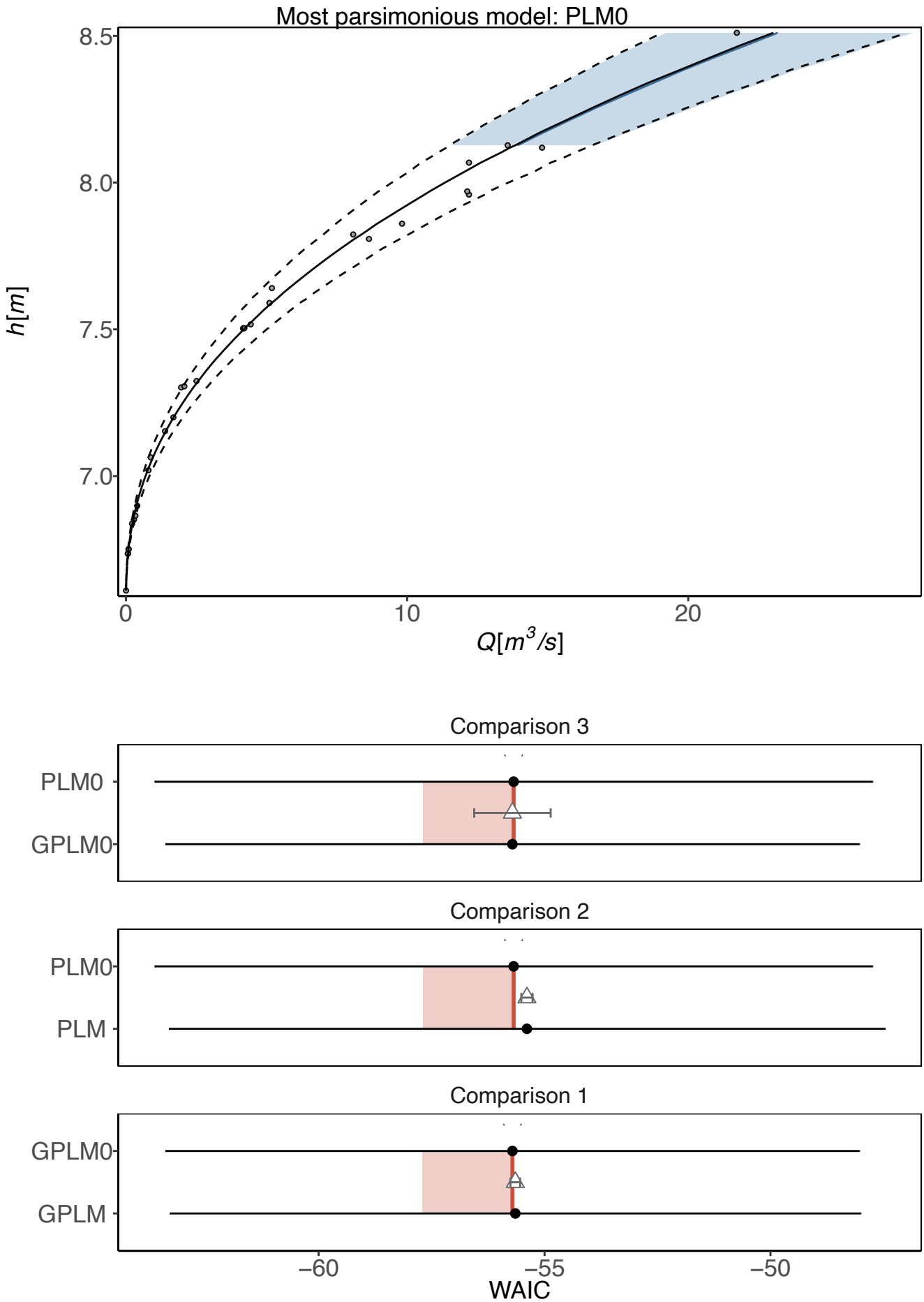
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	5.04	[4.85; 5.22]	9163	1.00
b	2.30	[2.25; 2.37]	3432	1.00
c	6.58	[6.57; 6.58]	2547	1.00
σ_η	0.08	[0.00; 0.40]	1789	1.00
η_1	–4.88	[–5.47; –4.27]	2232	1.00
η_2	–4.80	[–6.67; –2.95]	2821	1.00
η_3	–4.81	[–7.43; –2.27]	2891	1.00
η_4	–4.83	[–7.94; –1.64]	2924	1.00
η_5	–4.86	[–8.38; –1.21]	3093	1.00
η_6	–4.85	[–8.89; –0.80]	2852	1.00

Bivarödsmölla, Sweden – PLM0



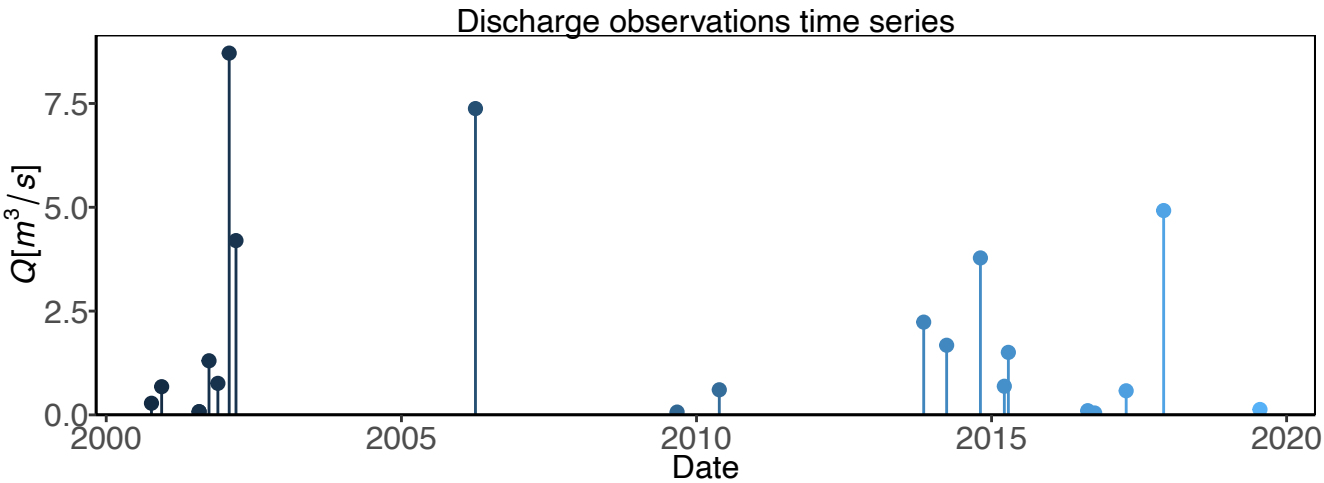
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	5.04	[4.85; 5.22]	16425	1.00
b	2.30	[2.25; 2.36]	10668	1.00
c	6.58	[6.57; 6.58]	9129	1.00
σ_ε	0.09	[0.07; 0.11]	9524	1.00

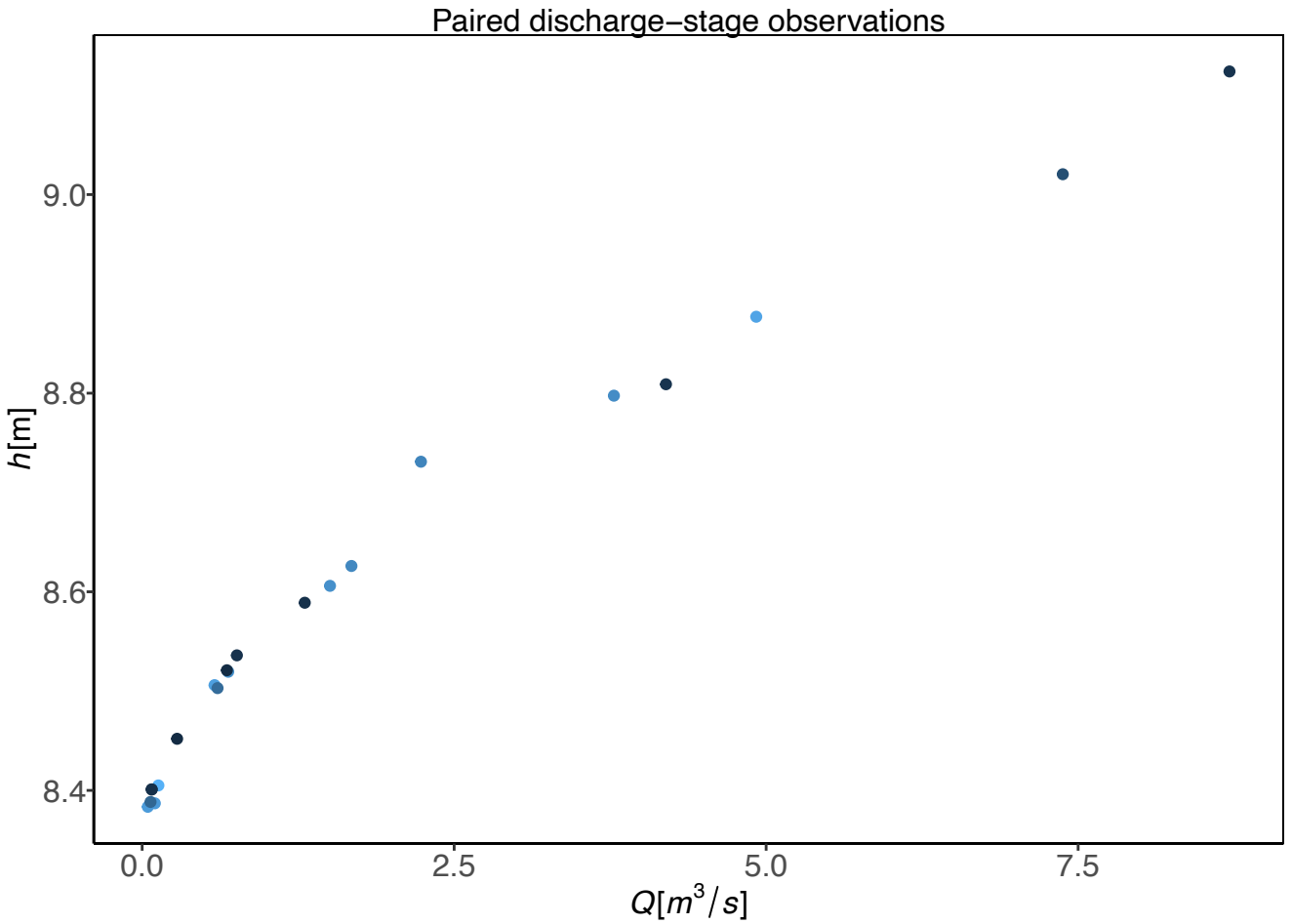
Power−law tournament results for Bivarödsmölla, Sweden



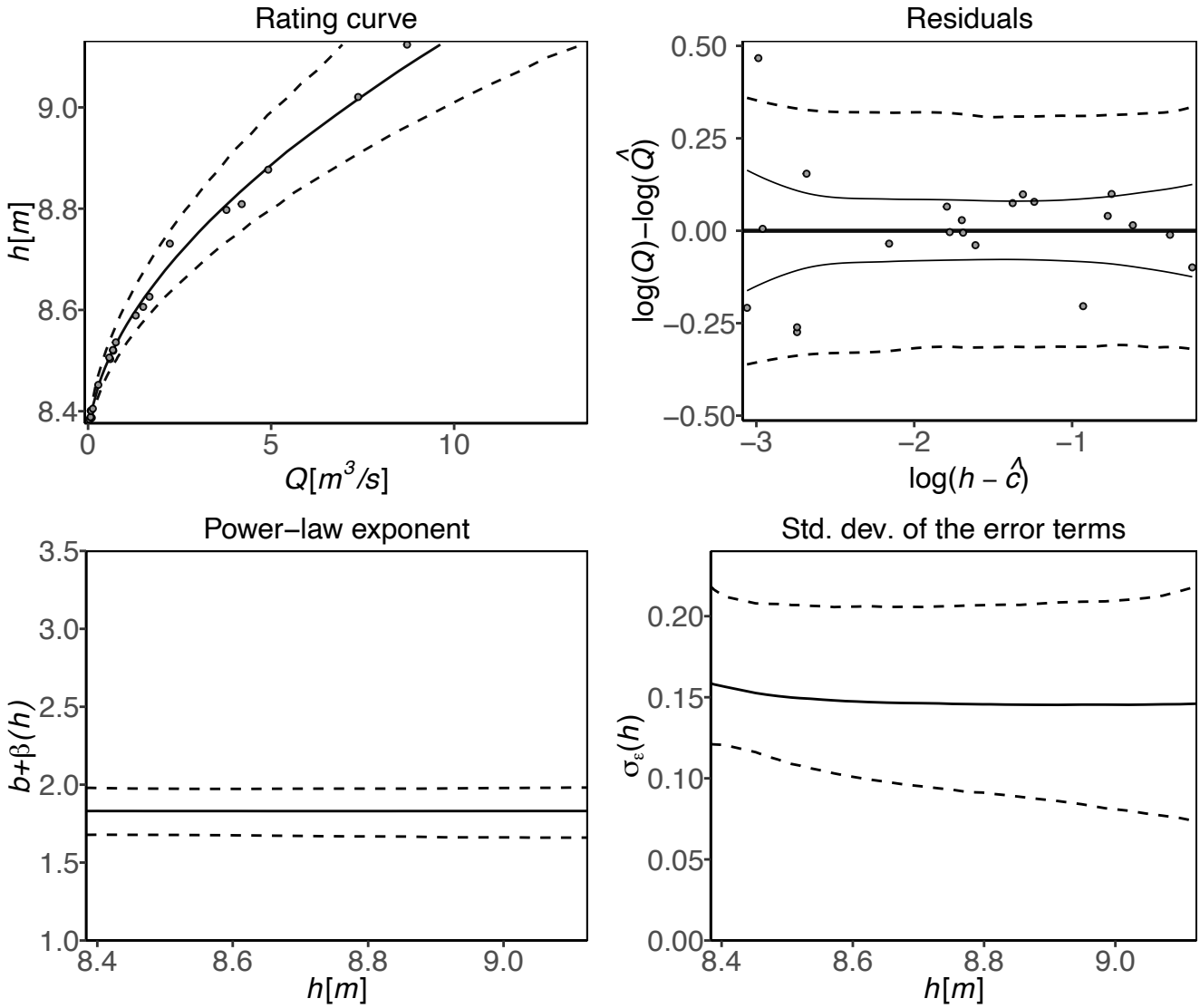
Station name:	Hallamölla
Location:	Sweden
Station number:	2146
Number of observations:	21
Start date:	2000–10–07
End date:	2019–07–20
Max. discharge (m^3/s):	8.7
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.41
GPLM0	1.43	0.20
PLM	0.86	0.27
PLM0	2.47	0.12



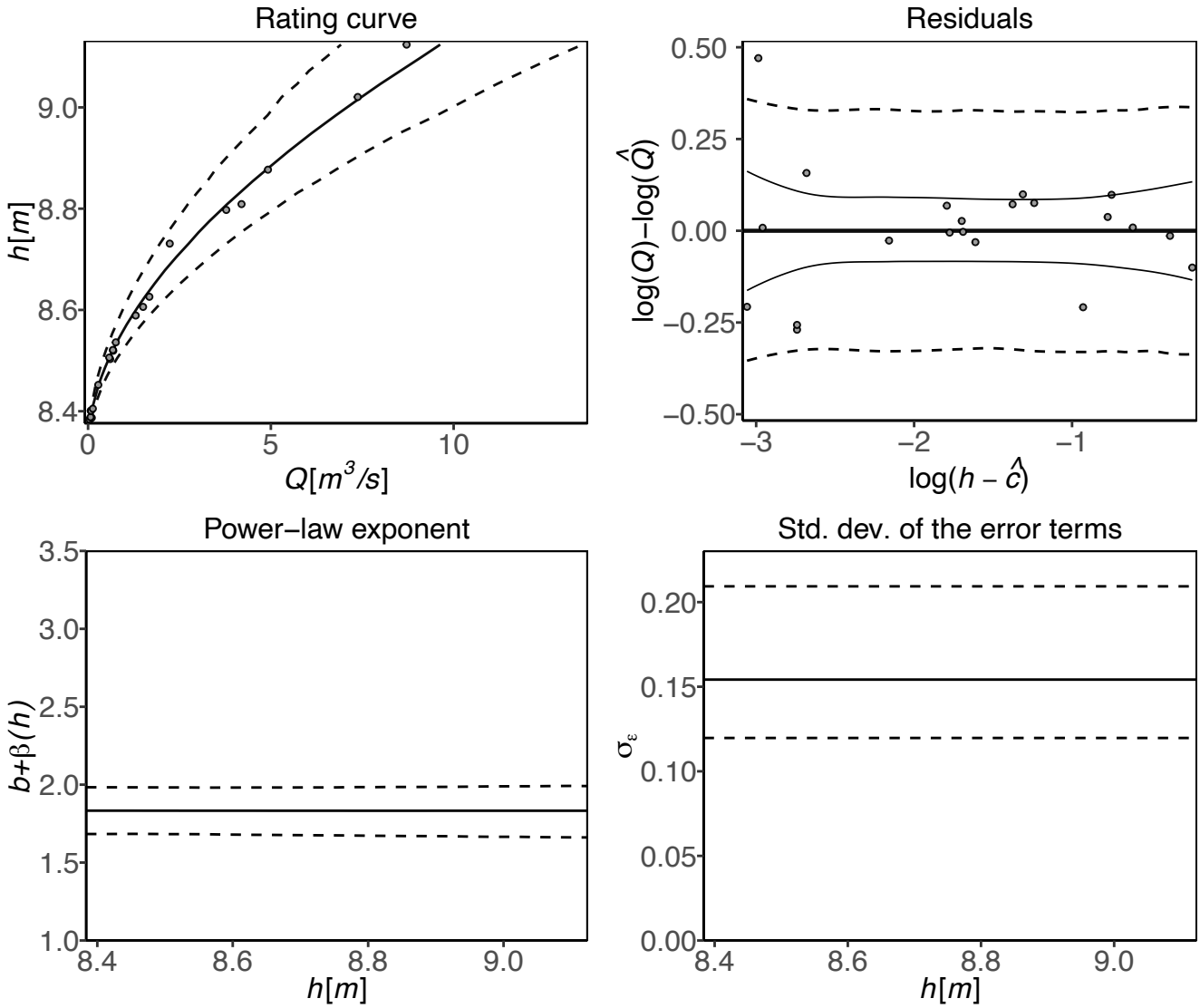


Hallamölla, Sweden – GPLM



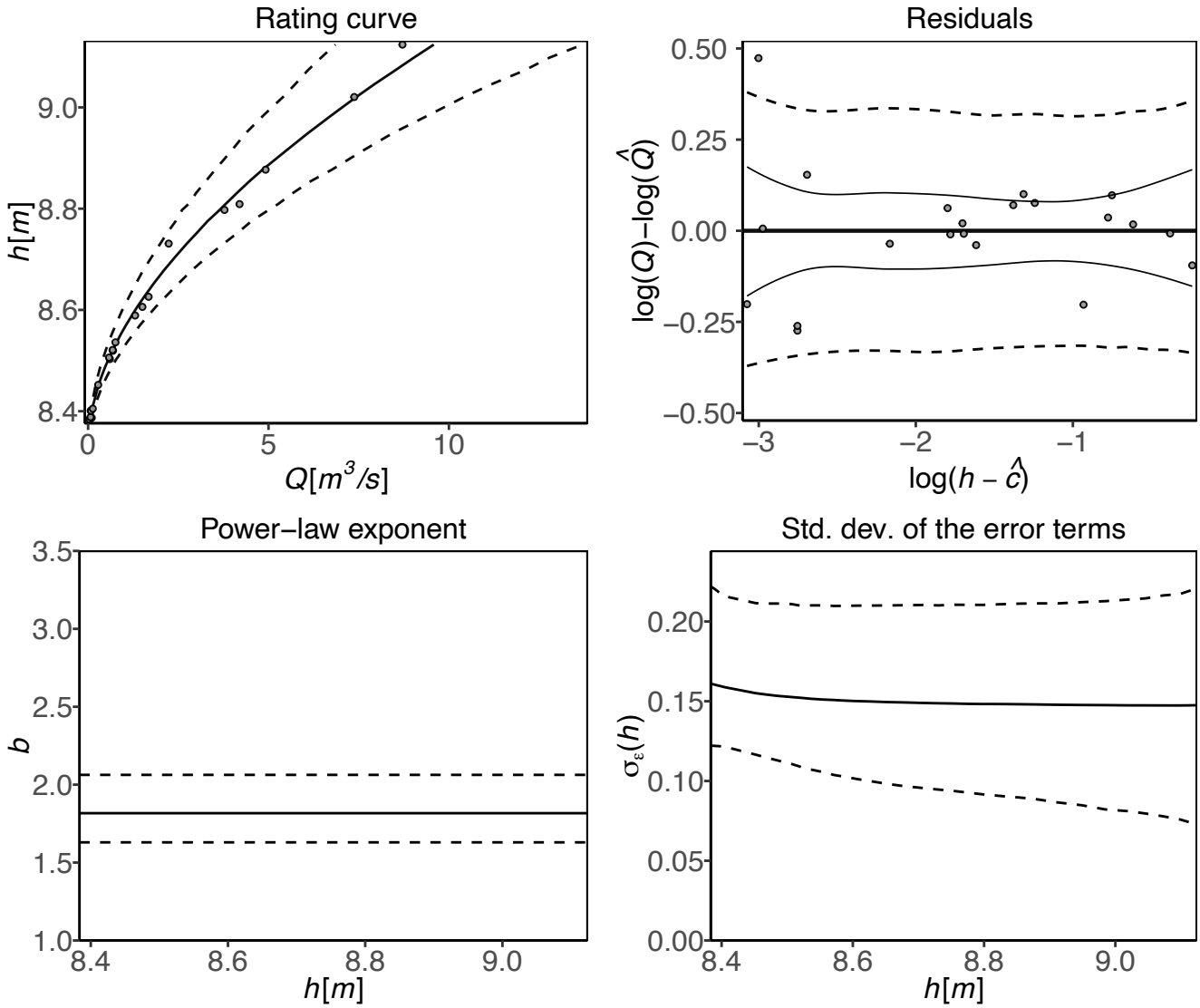
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.91	[12.92; 17.14]	5556	1.00
b	1.83	[1.83; 1.84]	8732	1.00
c	8.34	[8.32; 8.35]	1424	1.01
σ_β	0.08	[0.00; 0.44]	1671	1.00
ϕ_β	18.88	[0.67; 14580.01]	1430	1.00
σ_η	0.11	[0.00; 0.54]	1702	1.00
η_1	–3.68	[–4.22; –3.04]	2221	1.00
η_2	–4.14	[–6.05; –2.03]	2527	1.00
η_3	–4.48	[–7.00; –1.51]	2403	1.00
η_4	–4.65	[–7.71; –0.98]	2134	1.00
η_5	–4.69	[–8.44; –0.53]	2194	1.00
η_6	–4.68	[–8.96; –0.10]	2103	1.00

Hallamölla, Sweden – GPLM0



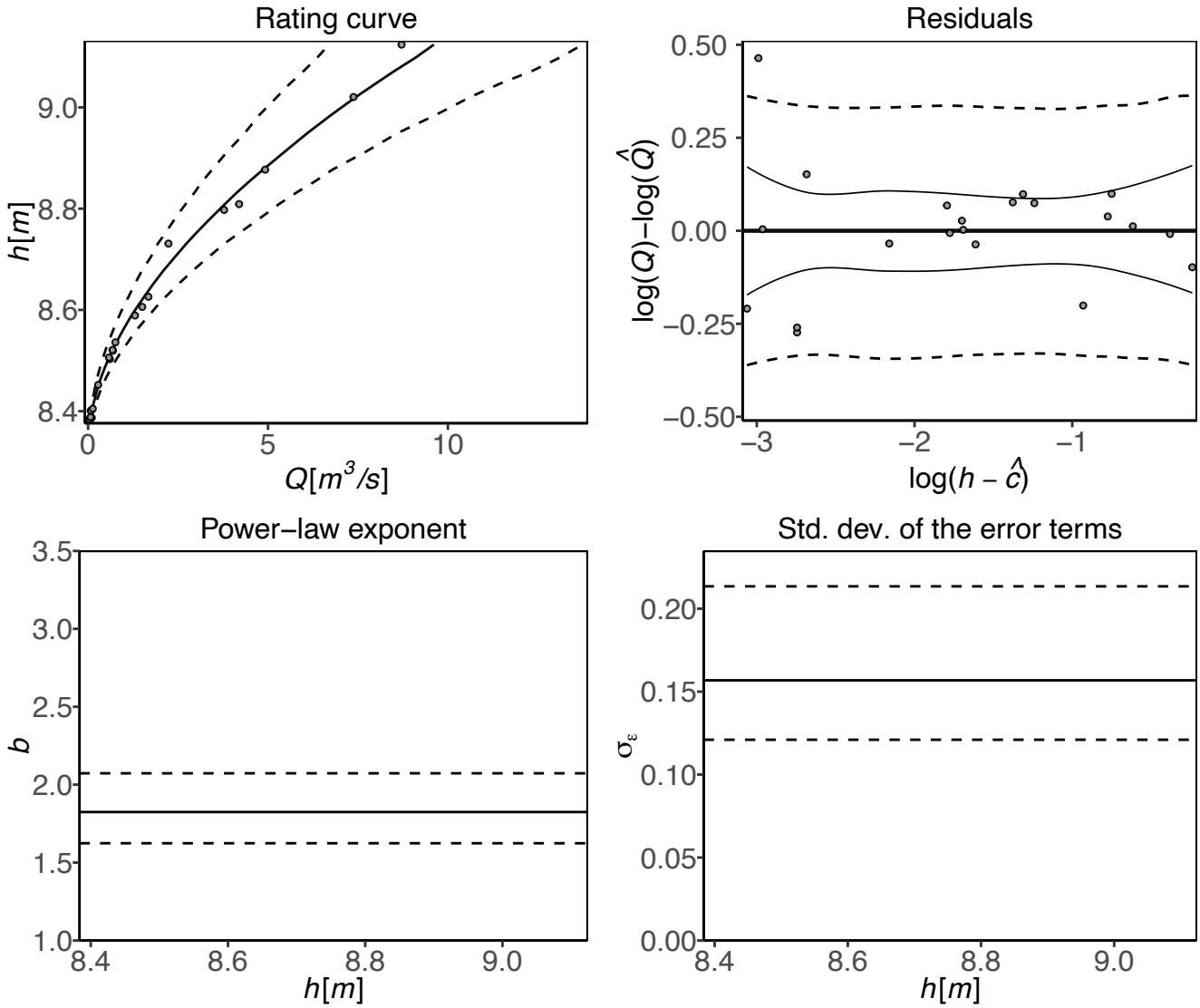
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.98	[12.84; 17.35]	9229	1.00
b	1.83	[1.83; 1.84]	12478	1.00
c	8.34	[8.32; 8.35]	2997	1.00
σ_ε	0.15	[0.12; 0.21]	5194	1.00
σ_β	0.27	[0.05; 0.67]	3288	1.00
ϕ_β	18.43	[0.70; 15957.23]	2989	1.00

Hallamölla, Sweden – PLM



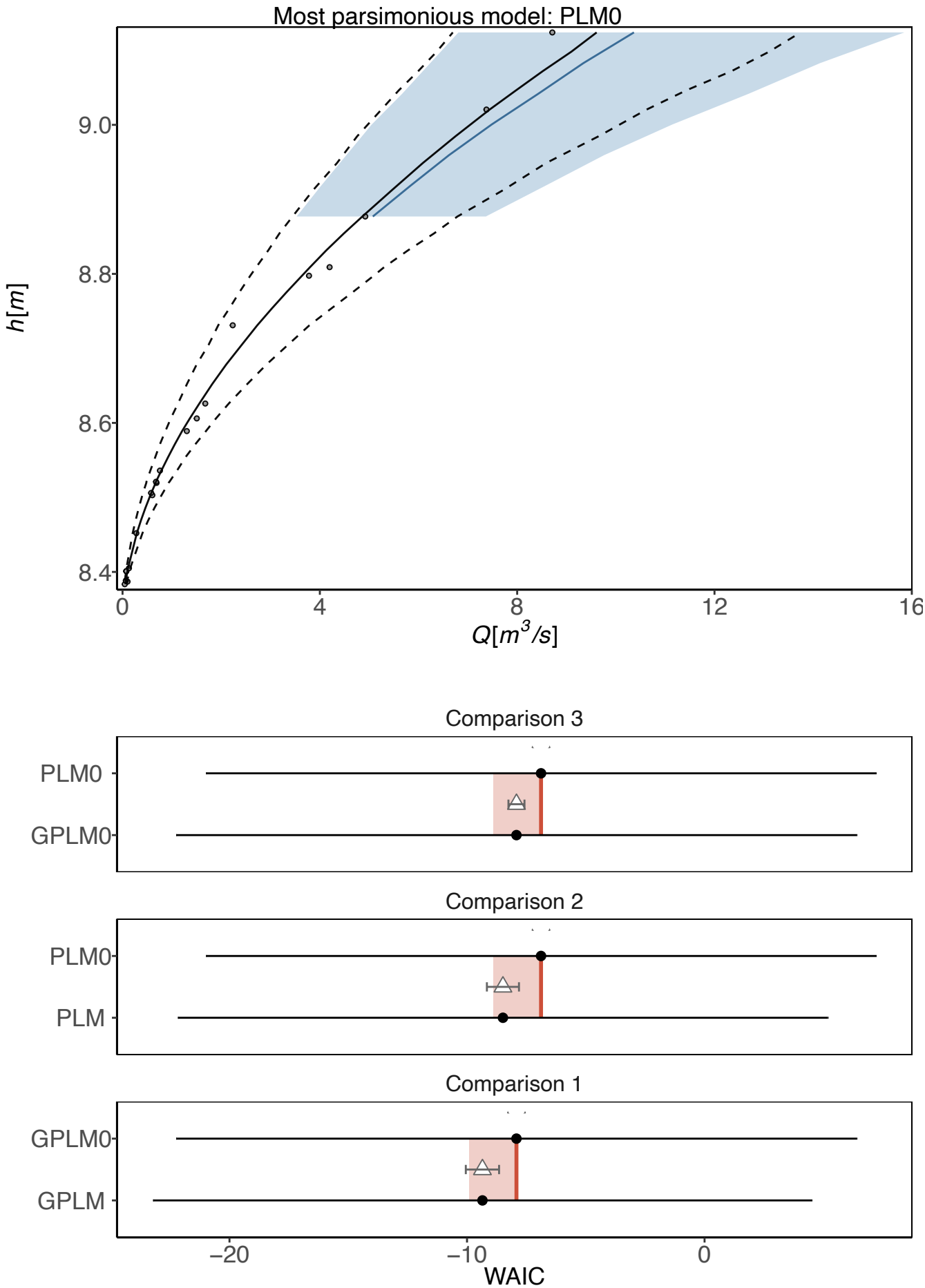
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.86	[12.52; 17.90]	4401	1.00
b	1.82	[1.63; 2.06]	2580	1.00
c	8.34	[8.32; 8.35]	2360	1.00
σ_η	0.11	[0.00; 0.55]	1777	1.00
η_1	–3.65	[–4.21; –3.01]	2773	1.00
η_2	–4.09	[–6.05; –2.02]	3034	1.00
η_3	–4.44	[–7.01; –1.48]	2702	1.00
η_4	–4.56	[–7.70; –0.96]	2608	1.00
η_5	–4.70	[–8.41; –0.68]	2866	1.00
η_6	–4.76	[–8.91; –0.29]	2654	1.00

Hallamölla, Sweden – PLM0



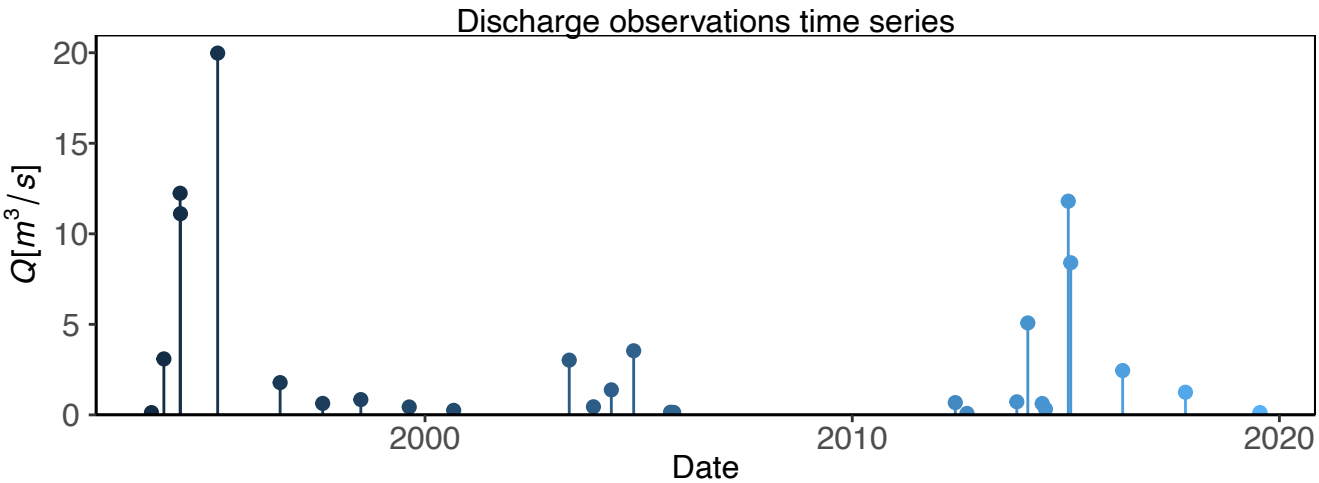
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.92	[12.35; 18.09]	12827	1.00
b	1.82	[1.62; 2.07]	9458	1.00
c	8.34	[8.32; 8.35]	9092	1.00
σ_ε	0.16	[0.12; 0.21]	9359	1.00

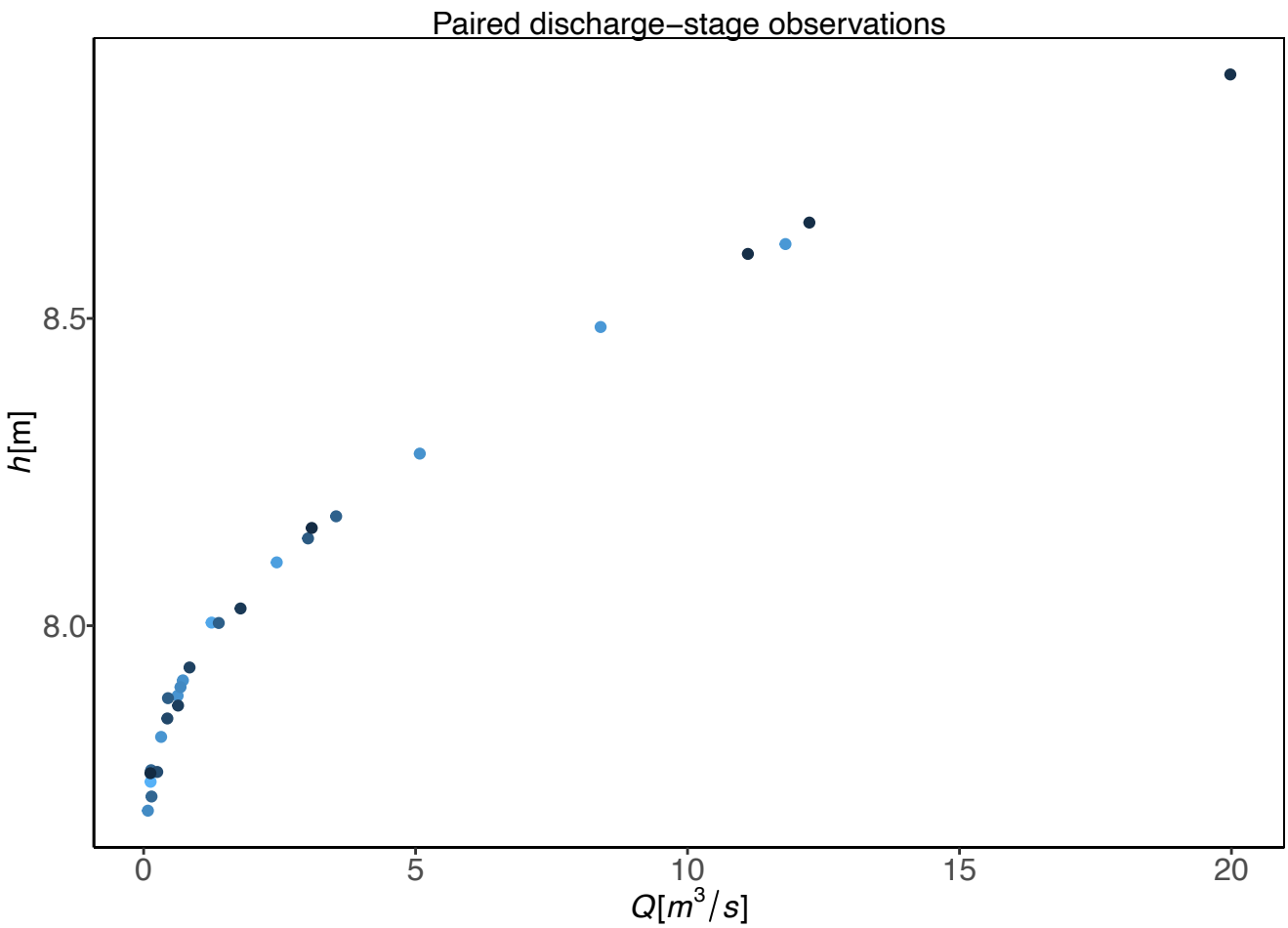
Power–law tournament results for Hallamölla, Sweden



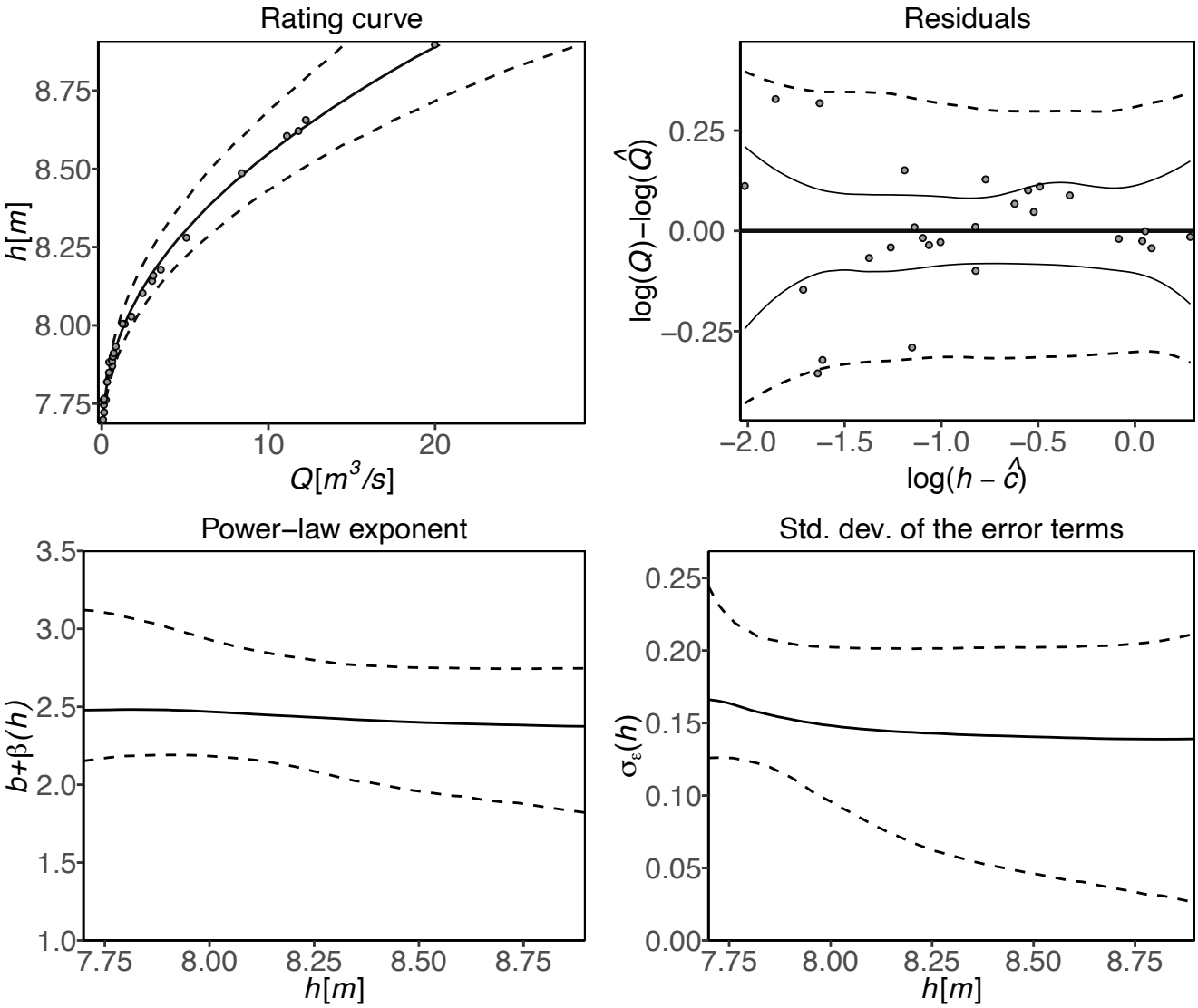
Station name:	Gredeby
Location:	Sweden
Station number:	2188
Number of observations:	27
Start date:	1993–08–06
End date:	2019–07–19
Max. discharge (m^3/s):	20
Tournament winner:	PLM

	dWAIC	Akaike weights
GPLM	0.00	0.52
GPLM0	3.35	0.10
PLM	1.19	0.29
PLM0	3.54	0.09



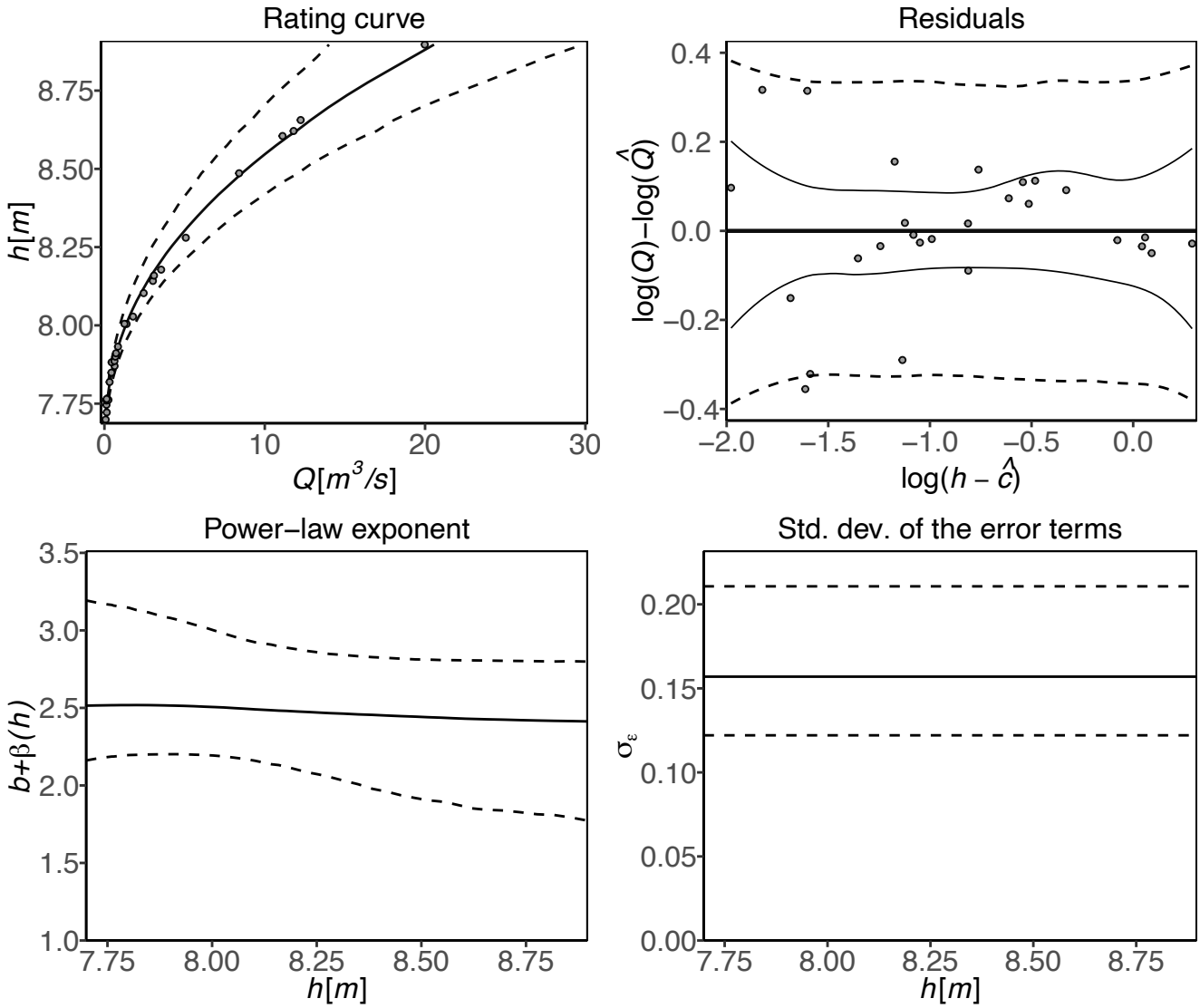


Gredeby, Sweden – GPLM



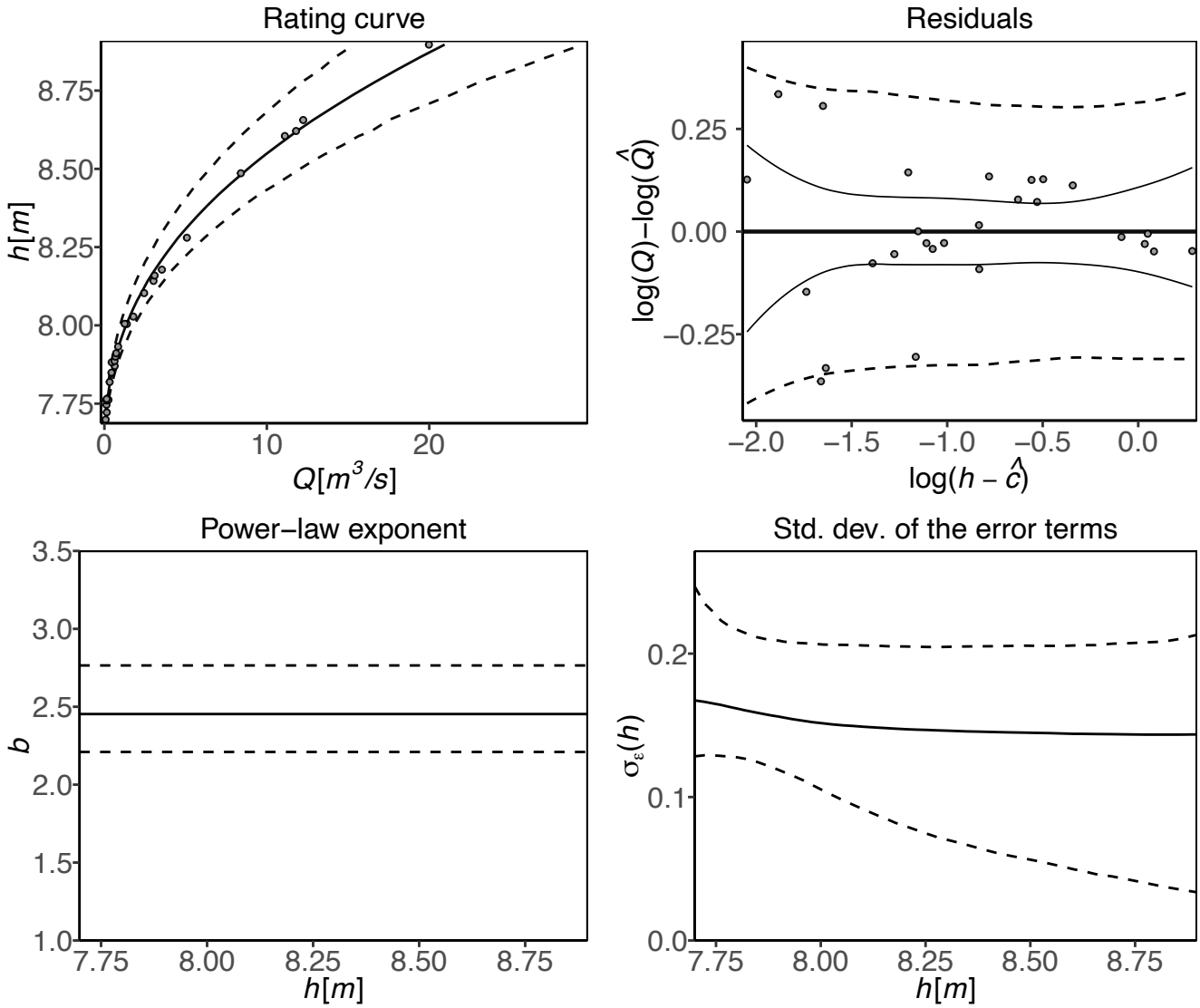
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.39	[8.54; 11.75]	3367	1.00
b	1.84	[1.83; 1.84]	8452	1.00
c	7.57	[7.48; 7.61]	2551	1.00
σ_β	0.44	[0.19; 1.01]	2225	1.00
ϕ_β	8.45	[0.45; 4642.75]	901	1.02
σ_η	0.16	[0.01; 0.86]	901	1.03
η_1	–3.59	[–4.14; –2.82]	2565	1.00
η_2	–3.93	[–5.66; –2.10]	1529	1.01
η_3	–4.66	[–7.07; –1.61]	1524	1.01
η_4	–5.07	[–8.33; –1.32]	1743	1.00
η_5	–5.27	[–9.20; –0.97]	1953	1.00
η_6	–5.34	[–9.78; –0.43]	2092	1.00

Gredeby, Sweden – GPLM0



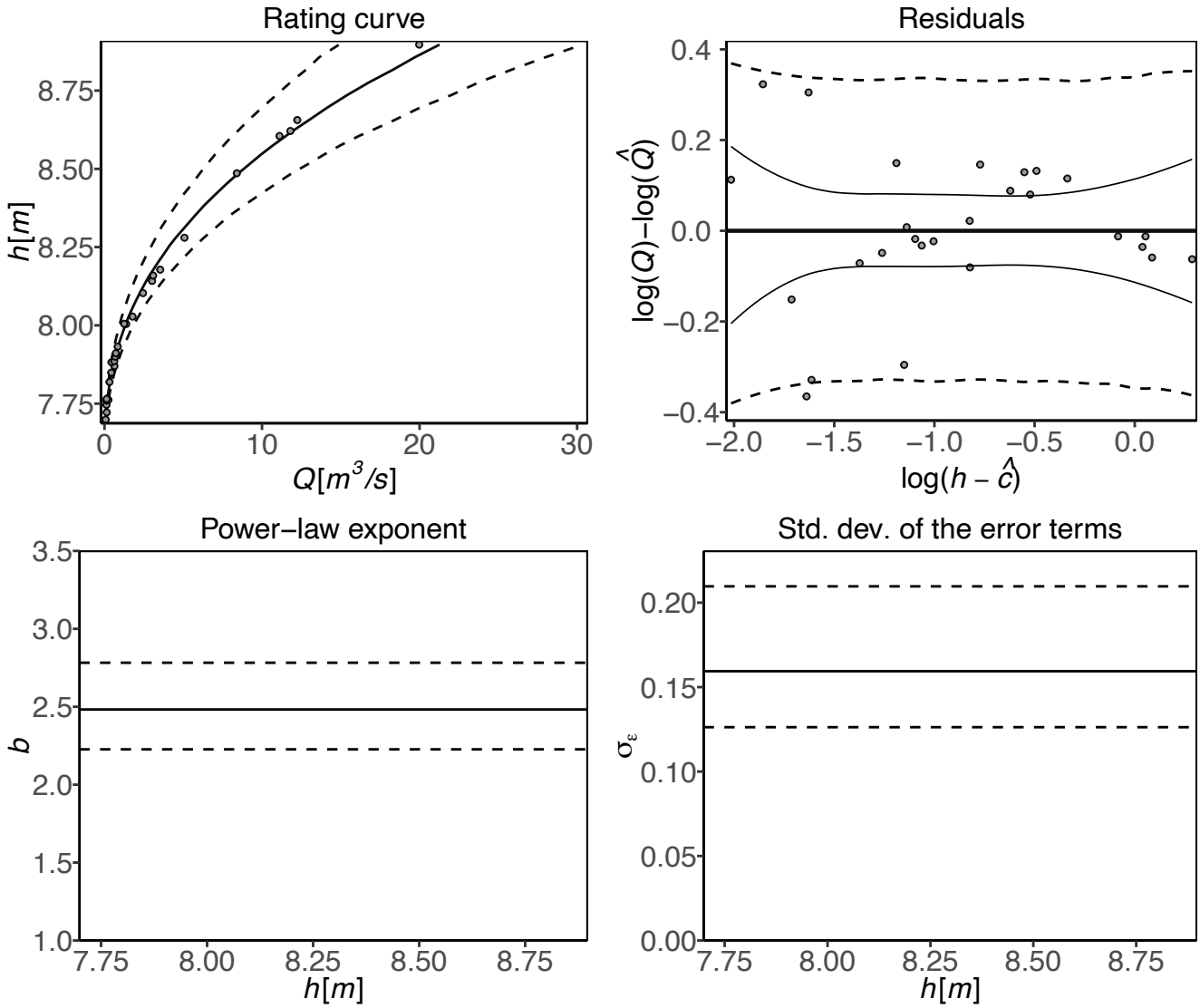
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.28	[8.33; 11.78]	2793	1.00
b	1.84	[1.83; 1.84]	10769	1.00
c	7.56	[7.47; 7.61]	2452	1.00
σ_ε	0.16	[0.12; 0.21]	4383	1.00
σ_β	0.68	[0.46; 1.01]	4506	1.00
ϕ_β	8.63	[0.45; 6824.39]	3223	1.00

Gredeby, Sweden – PLM



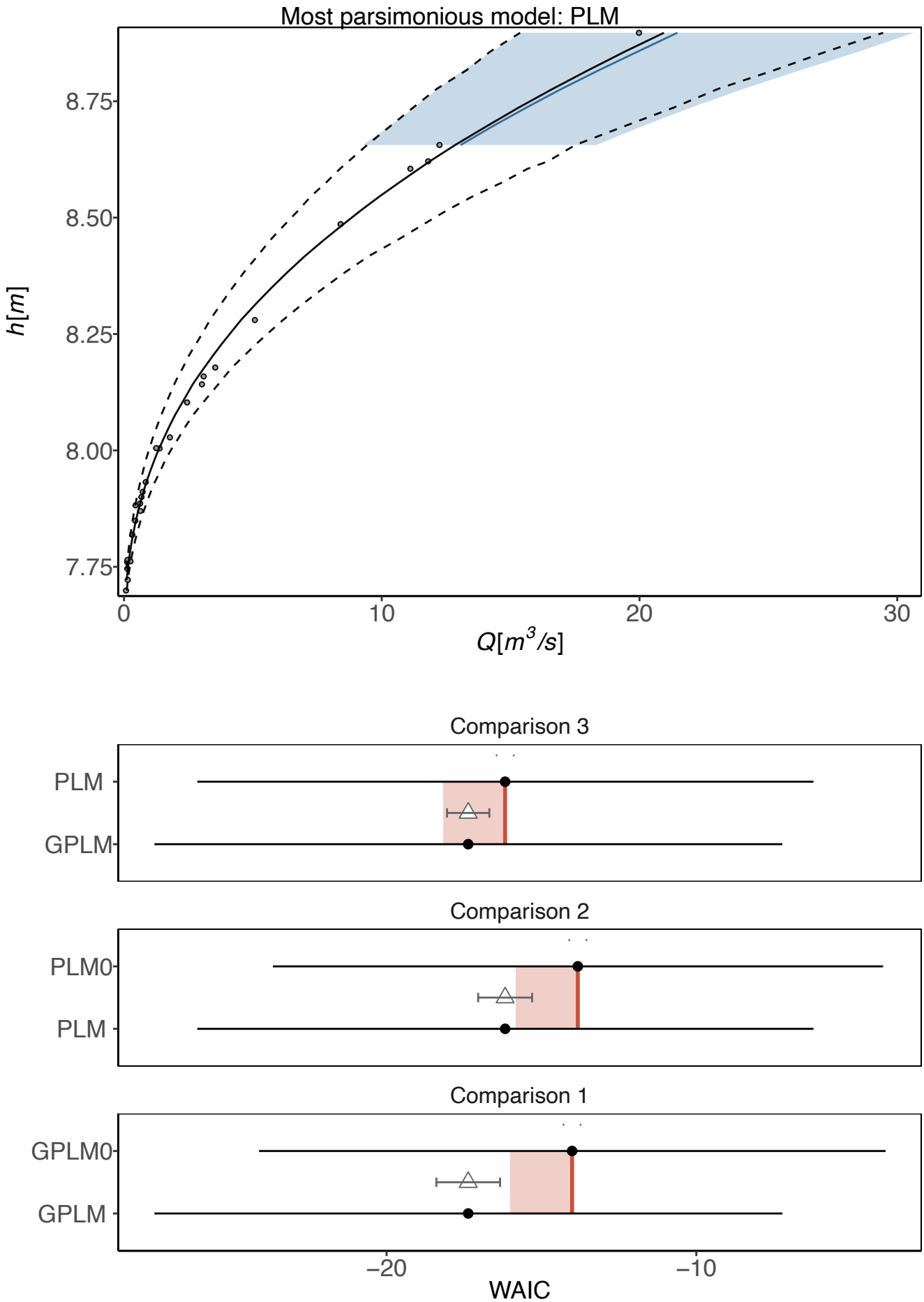
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.50	[9.22; 11.71]	4630	1.00
b	2.45	[2.21; 2.77]	2884	1.00
c	7.57	[7.52; 7.61]	2625	1.00
σ_η	0.14	[0.00; 0.80]	1005	1.01
η_1	–3.58	[–4.11; –2.80]	3451	1.00
η_2	–3.89	[–5.74; –2.05]	1815	1.00
η_3	–4.55	[–7.04; –1.66]	1958	1.00
η_4	–4.92	[–8.20; –1.19]	2351	1.00
η_5	–5.16	[–9.07; –0.77]	2526	1.00
η_6	–5.18	[–9.52; –0.45]	2306	1.00

Gredeby, Sweden – PLM0



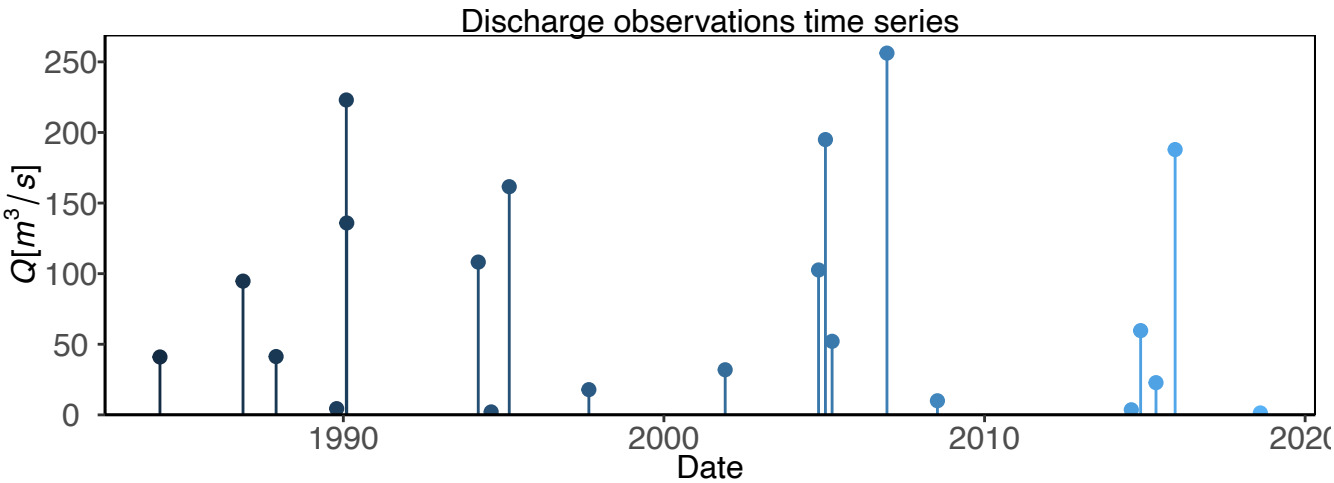
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.41	[9.15; 11.73]	13399	1.00
b	2.48	[2.23; 2.78]	9275	1.00
c	7.57	[7.52; 7.60]	8452	1.00
σ_ε	0.16	[0.13; 0.21]	8811	1.00

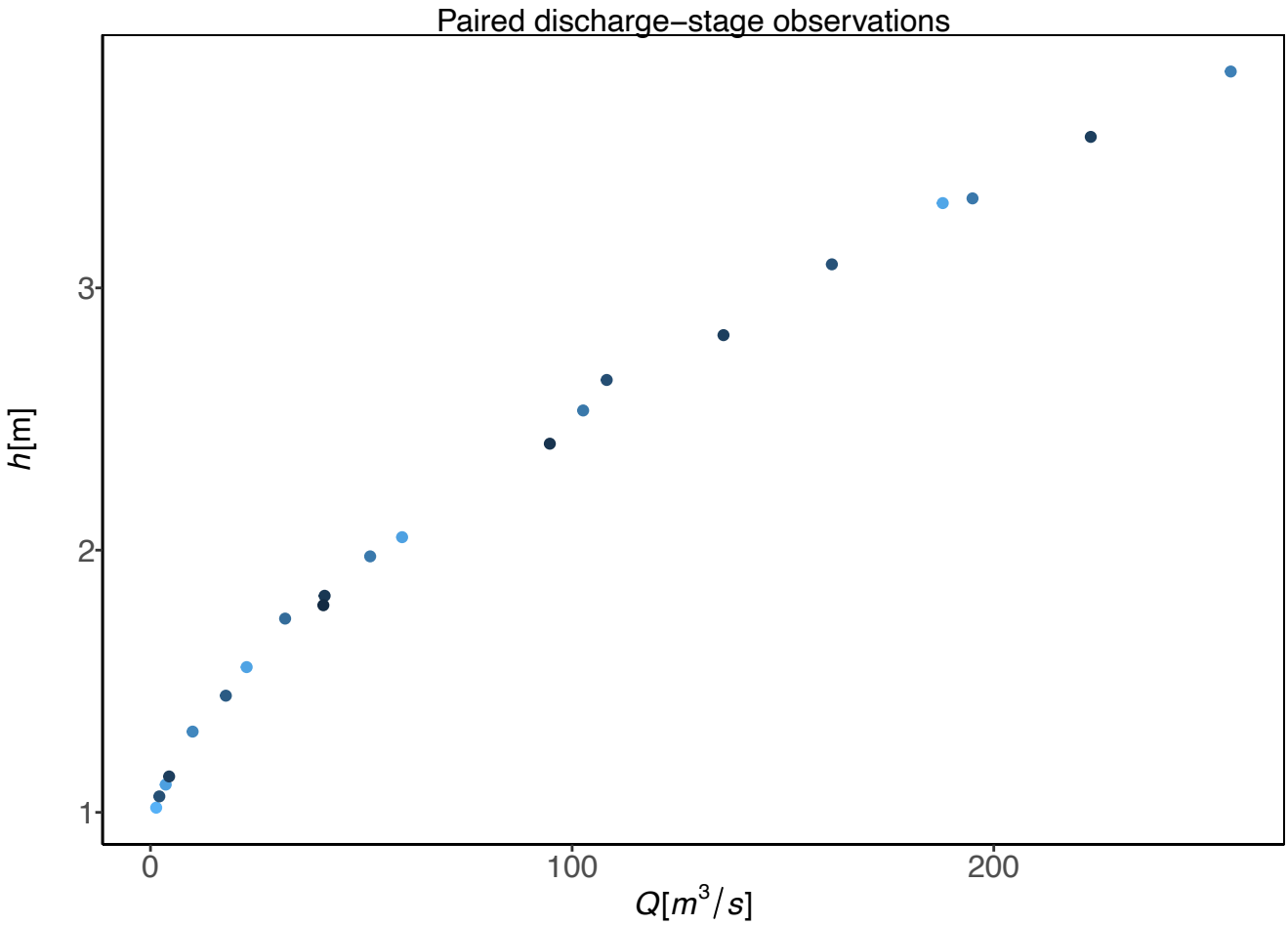
Power−law tournament results for Gredeby, Sweden



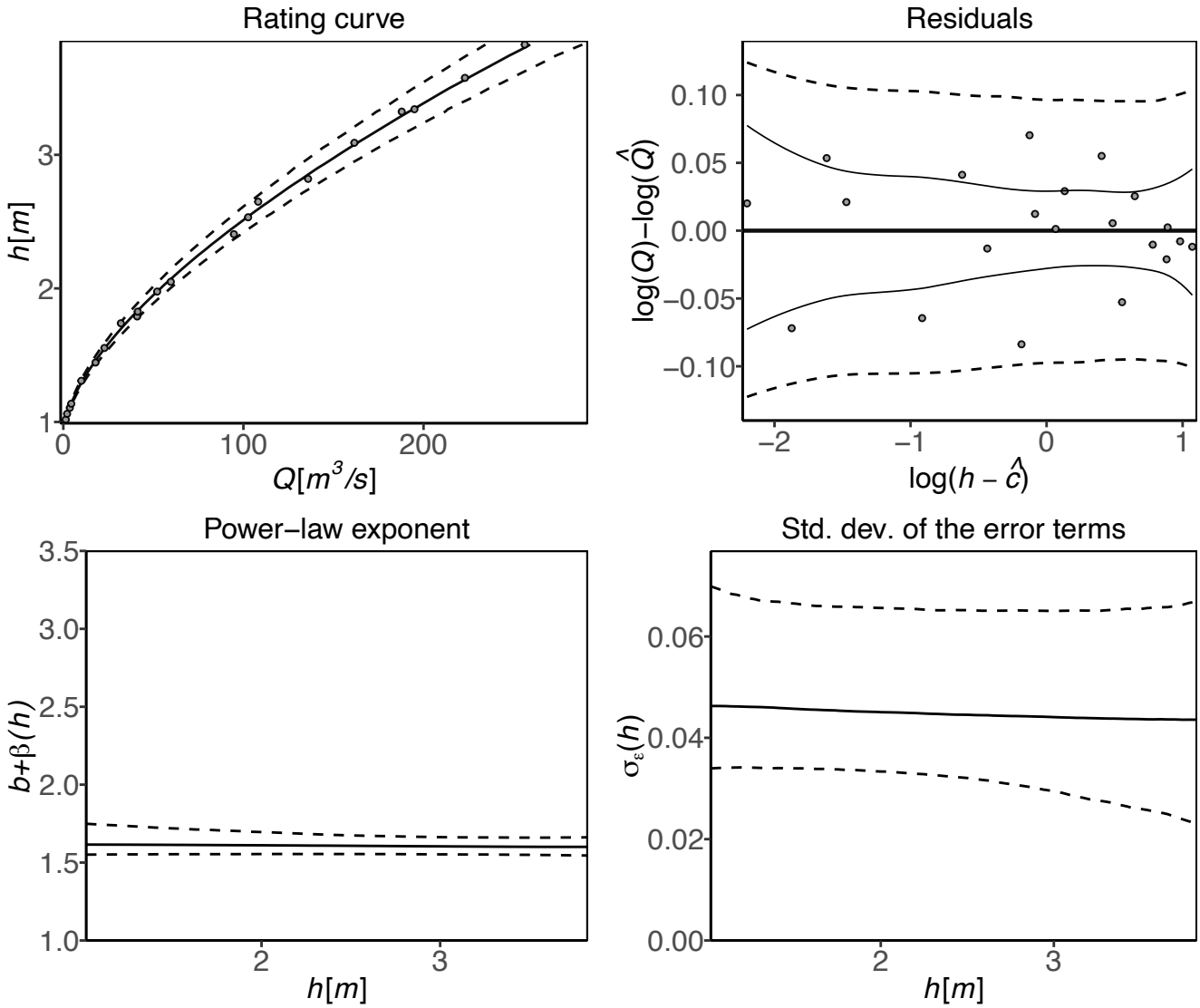
Station name:	Åsbro 3
Location:	Sweden
Station number:	2201
Number of observations:	21
Start date:	1984–04–13
End date:	2018–08–09
Max. discharge (m^3/s):	256.2
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.19	0.26
GPLM0	0.68	0.20
PLM	0.00	0.29
PLM0	0.33	0.24



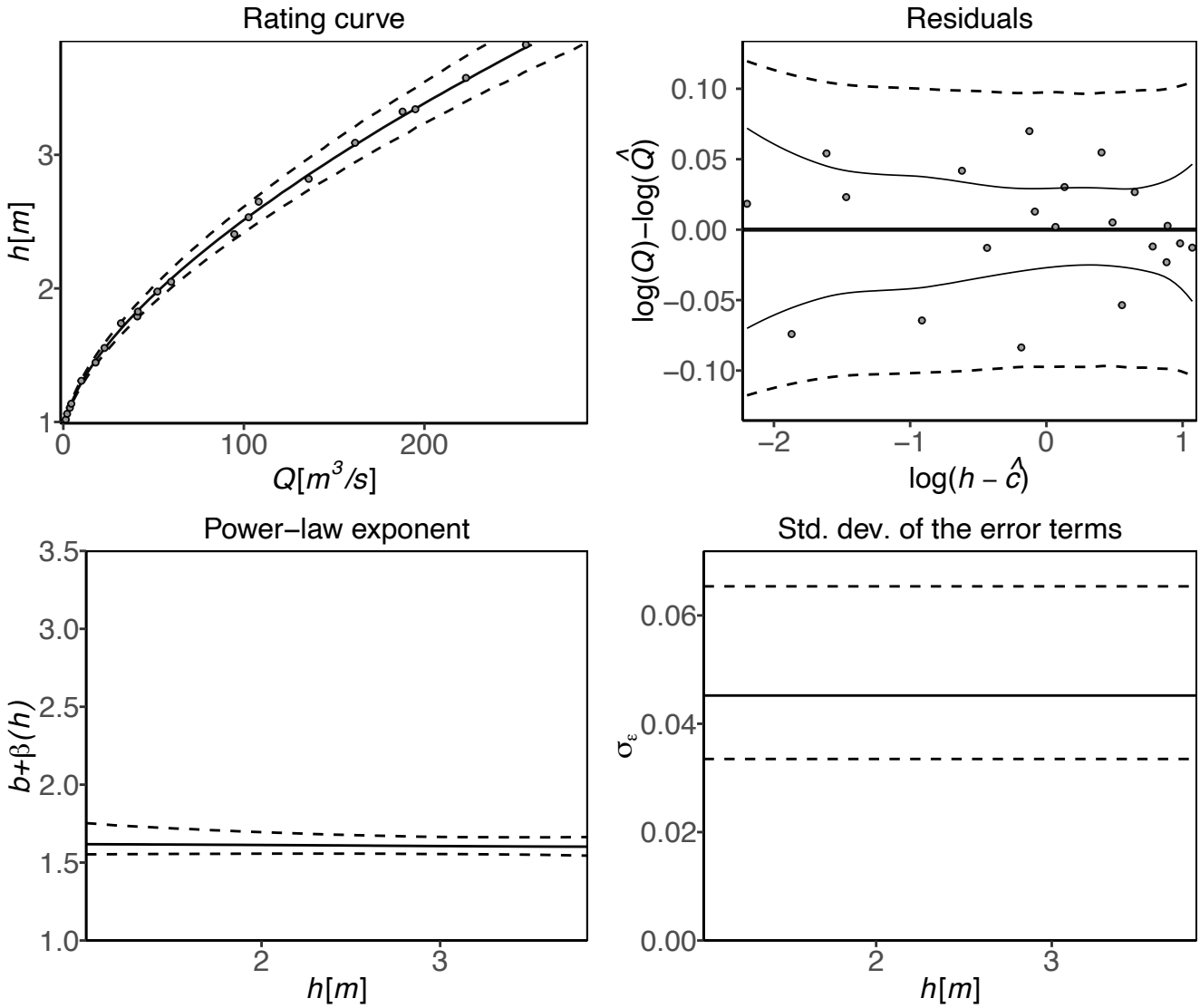


Åsbro 3, Sweden – GPLM



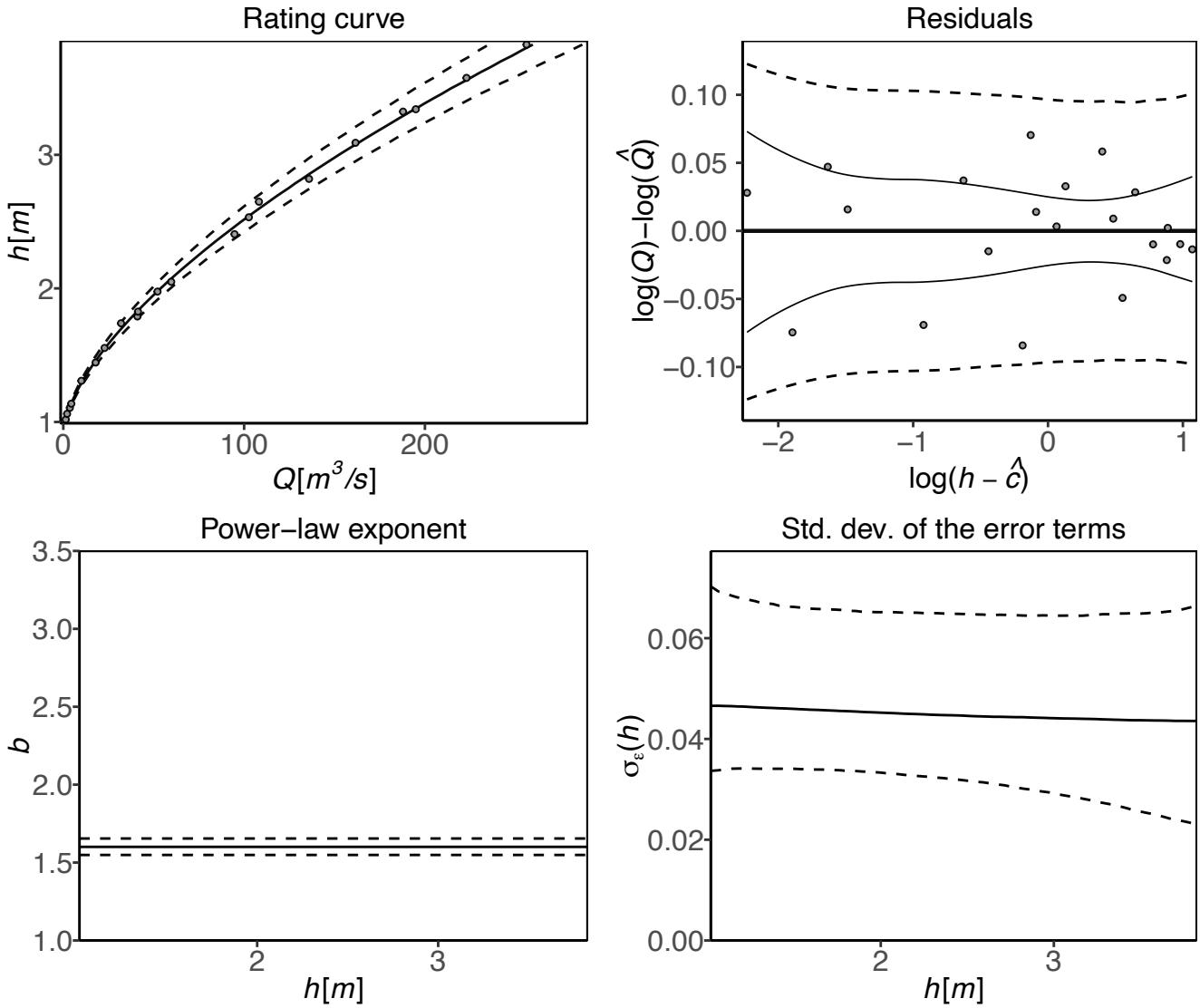
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	46.68	[44.40; 48.70]	2250	1.00
b	1.83	[1.83; 1.84]	10121	1.00
c	0.91	[0.88; 0.92]	1690	1.00
σ_β	0.22	[0.09; 0.64]	2406	1.00
ϕ_β	35.29	[2.50; 15841.52]	1274	1.01
σ_η	0.09	[0.00; 0.49]	1481	1.00
η_1	−6.15	[−6.77; −5.32]	1898	1.00
η_2	−6.20	[−8.13; −4.27]	2213	1.00
η_3	−6.41	[−8.95; −3.78]	2304	1.00
η_4	−6.67	[−9.80; −3.30]	2191	1.00
η_5	−6.87	[−10.64; −2.77]	2177	1.00
η_6	−6.92	[−11.25; −2.34]	2288	1.00

Åsbro 3, Sweden – GPLM0



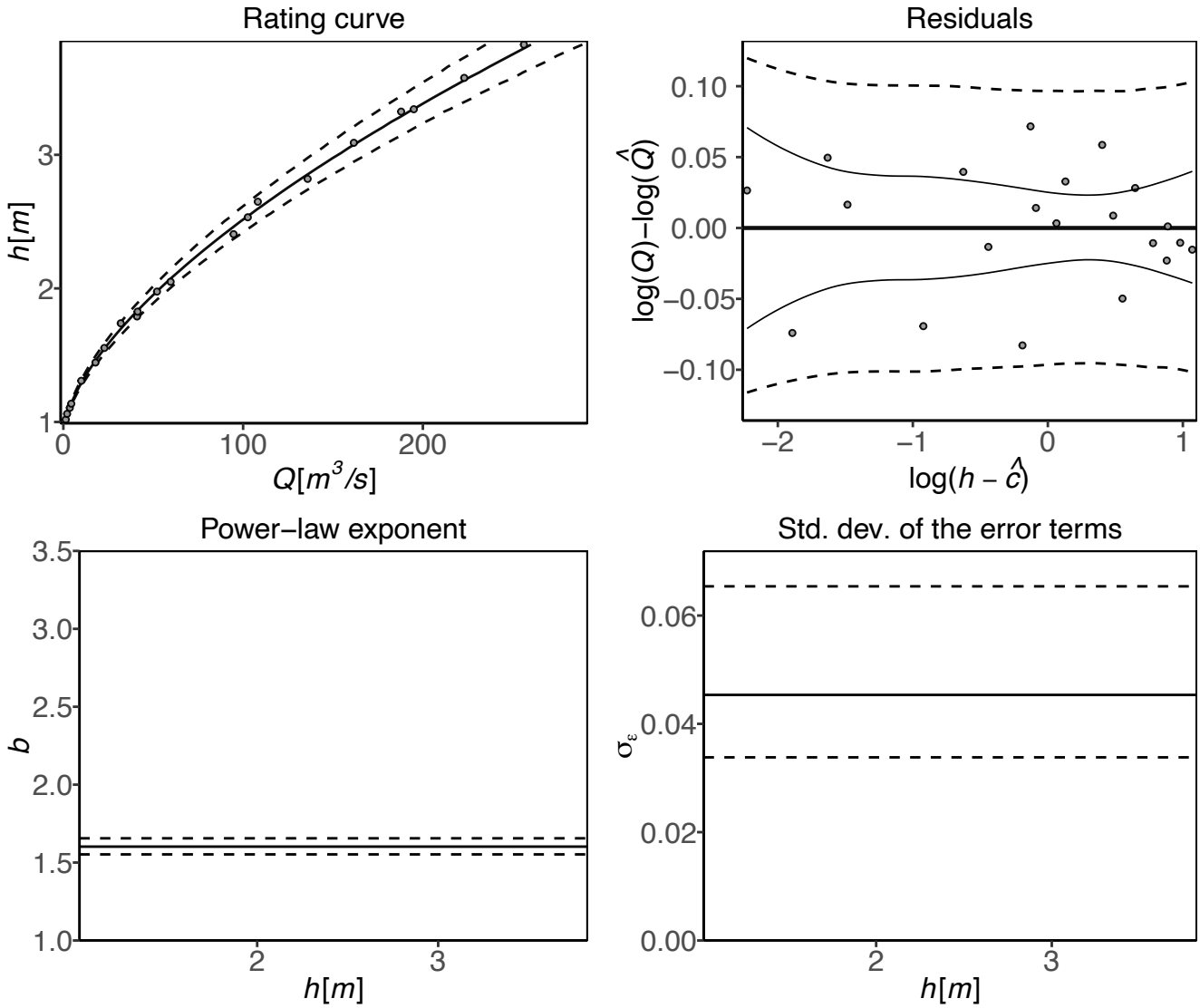
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	46.63	[44.41; 48.62]	4823	1.00
b	1.83	[1.83; 1.84]	10867	1.00
c	0.91	[0.88; 0.92]	3553	1.00
σ_ε	0.05	[0.03; 0.07]	4385	1.00
σ_β	0.47	[0.31; 0.80]	5358	1.00
ϕ_β	34.73	[2.47; 23165.70]	1945	1.00

Åsbro 3, Sweden – PLM



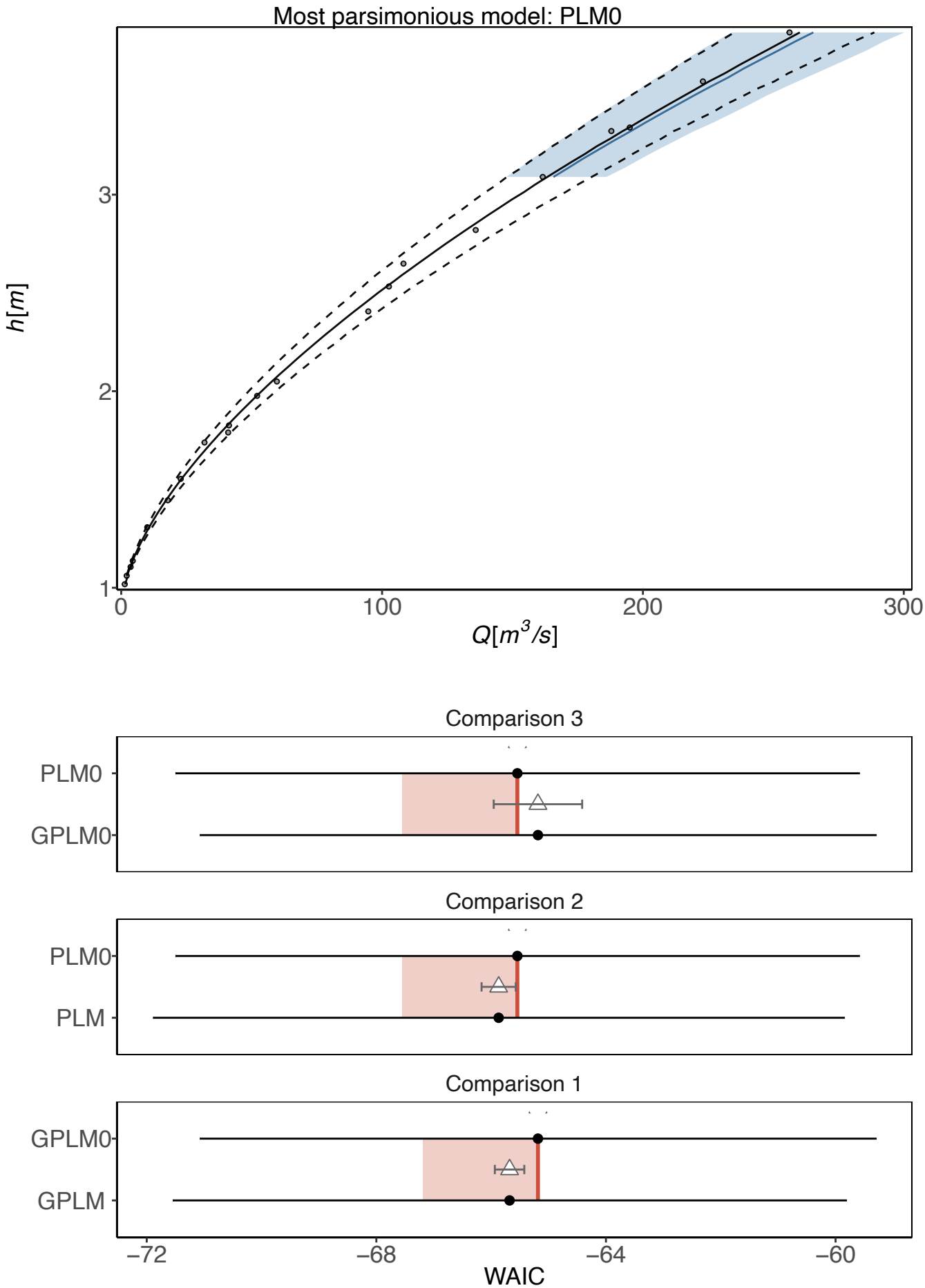
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	46.91	[44.88; 48.87]	2754	1.00
b	1.60	[1.55; 1.65]	2589	1.00
c	0.91	[0.90; 0.92]	2277	1.00
σ_η	0.09	[0.00; 0.51]	1697	1.00
η_1	–6.13	[–6.78; –5.31]	2202	1.00
η_2	–6.19	[–8.08; –4.31]	2734	1.00
η_3	–6.45	[–8.99; –3.62]	2753	1.00
η_4	–6.69	[–9.81; –3.15]	2781	1.00
η_5	–6.89	[–10.50; –2.84]	2788	1.00
η_6	–6.96	[–11.04; –2.43]	2789	1.00

Åsbro 3, Sweden – PLM0



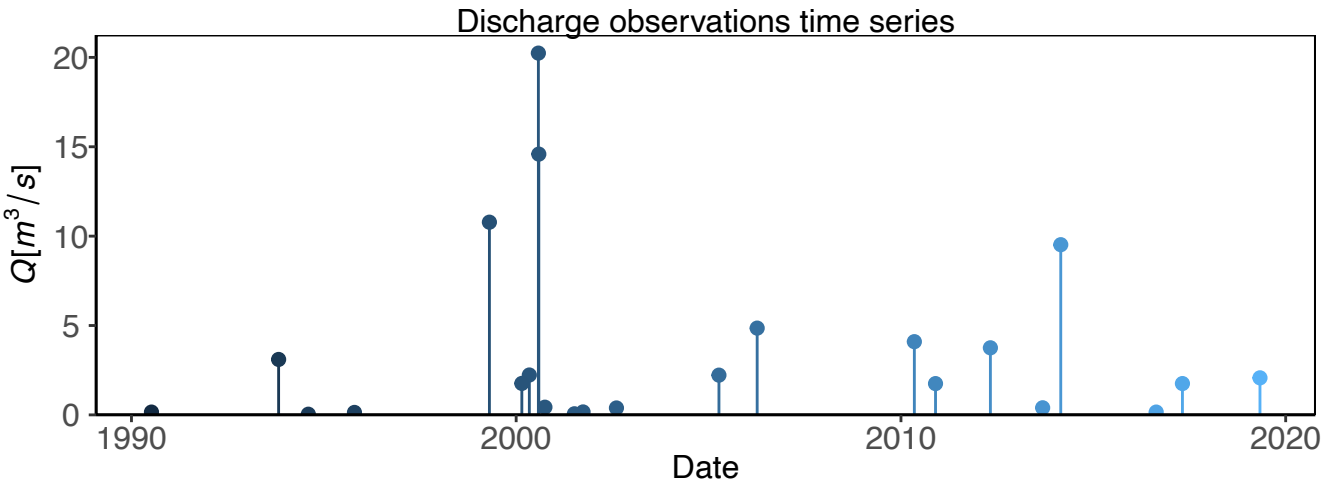
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	46.87	[44.88; 48.79]	9763	1.00
b	1.60	[1.55; 1.66]	9312	1.00
c	0.91	[0.90; 0.92]	8517	1.00
σ_ε	0.05	[0.03; 0.07]	9135	1.00

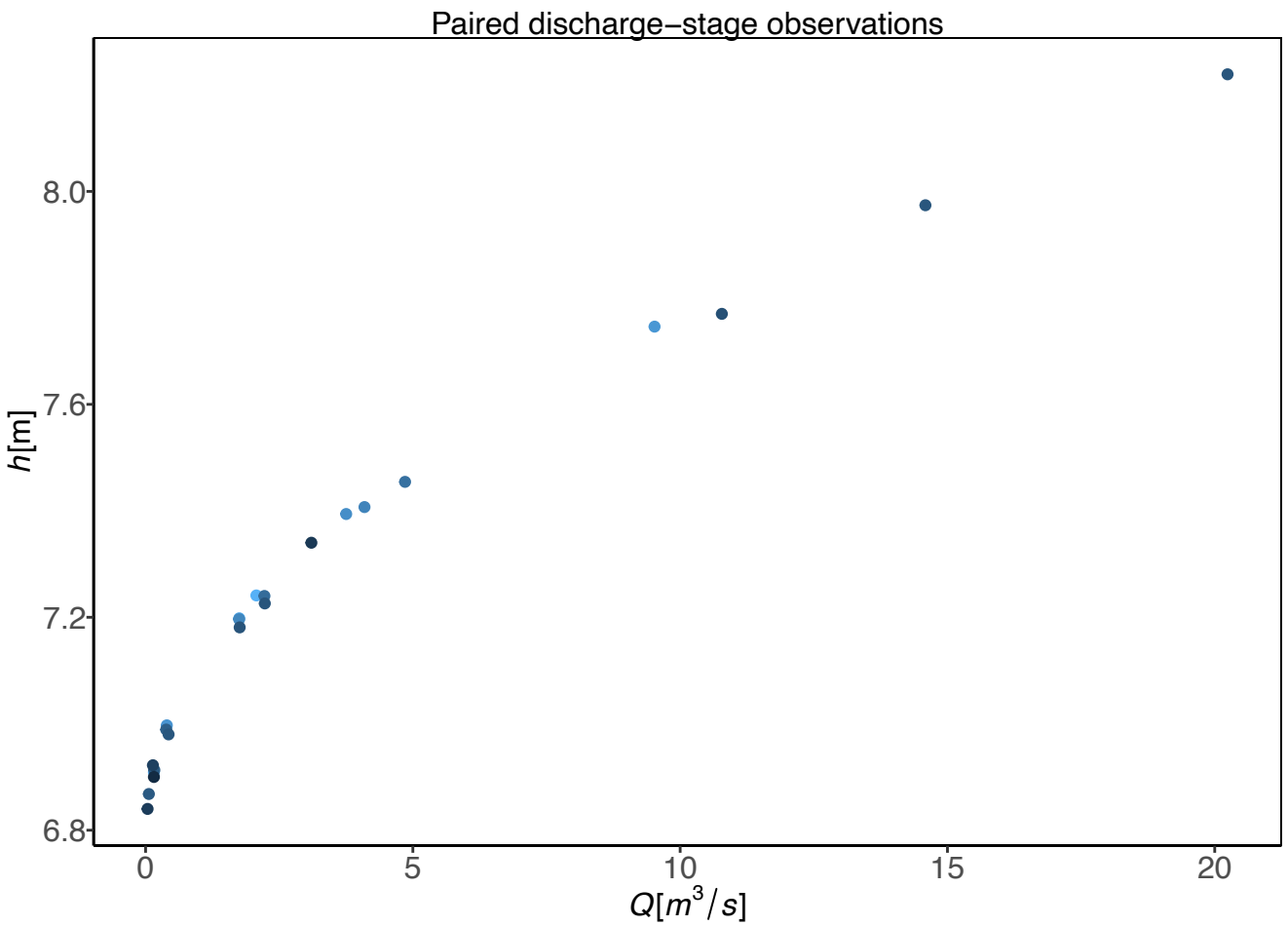
Power−law tournament results for Åsbro 3, Sweden



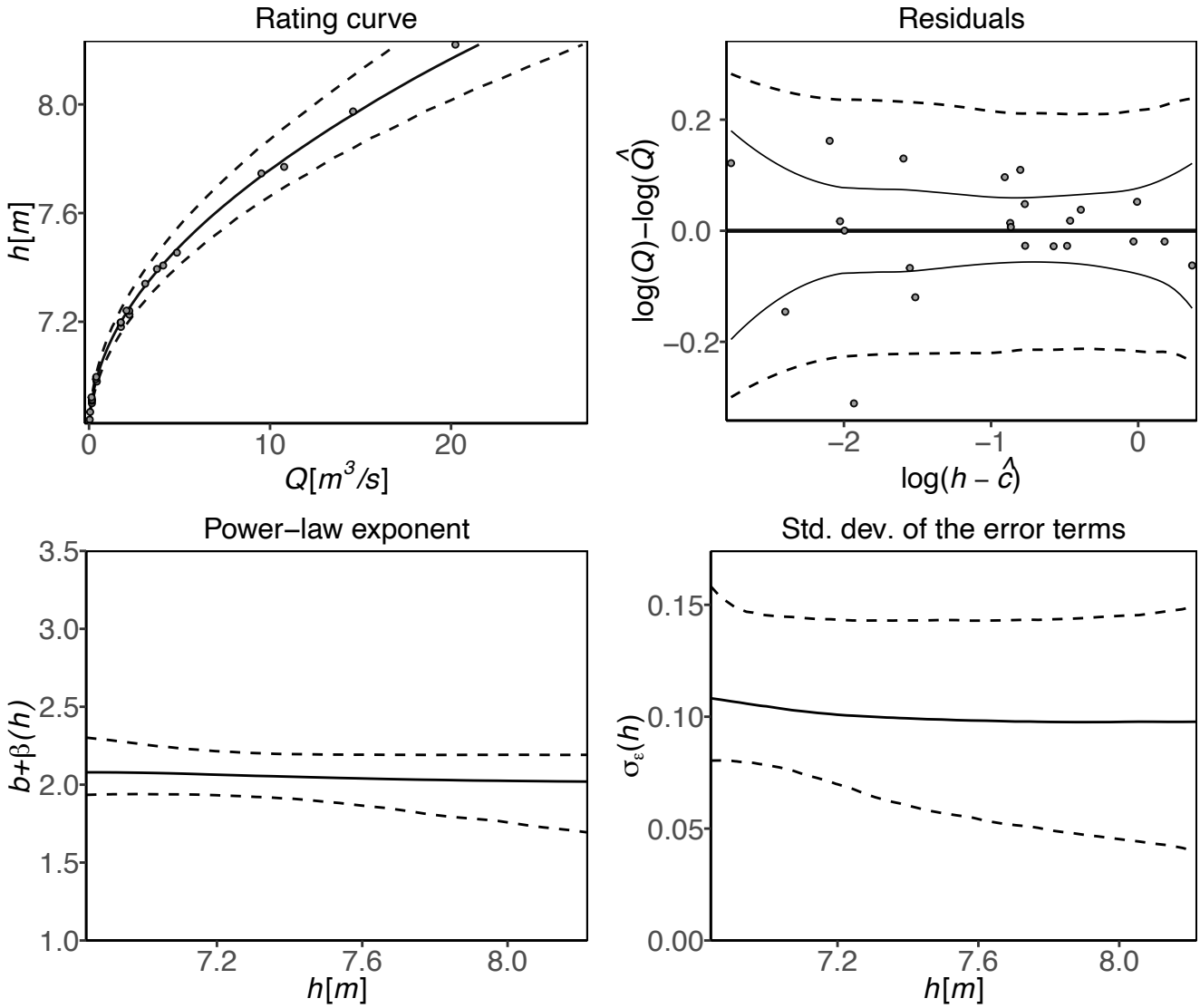
Station name:	Fellingsbro
Location:	Sweden
Station number:	2205
Number of observations:	23
Start date:	1990–07–10
End date:	2019–05–02
Max. discharge (m^3/s):	20.2
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.36
GPLM0	1.34	0.18
PLM	0.41	0.29
PLM0	1.48	0.17



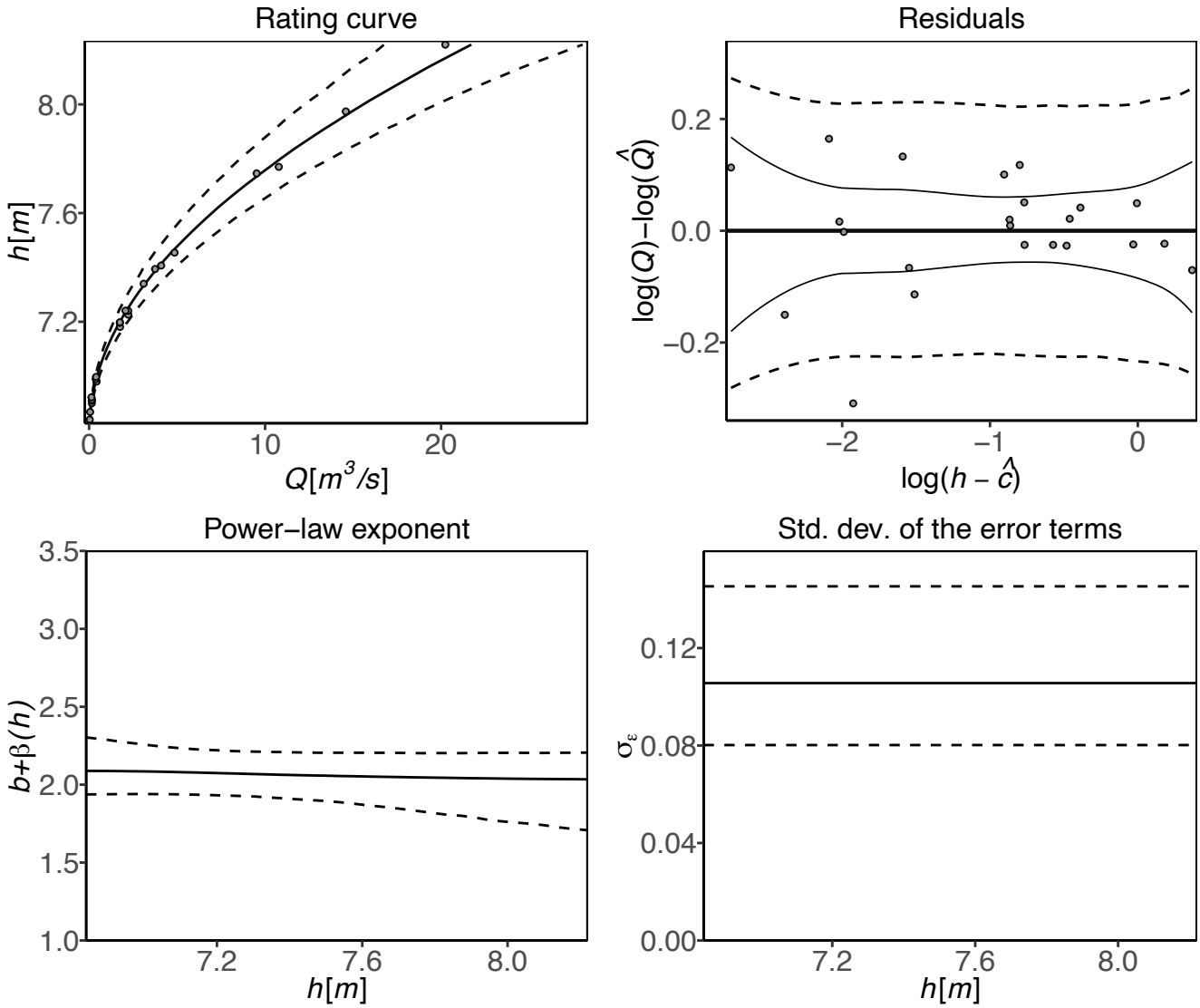


Fellingsbro, Sweden – GPLM



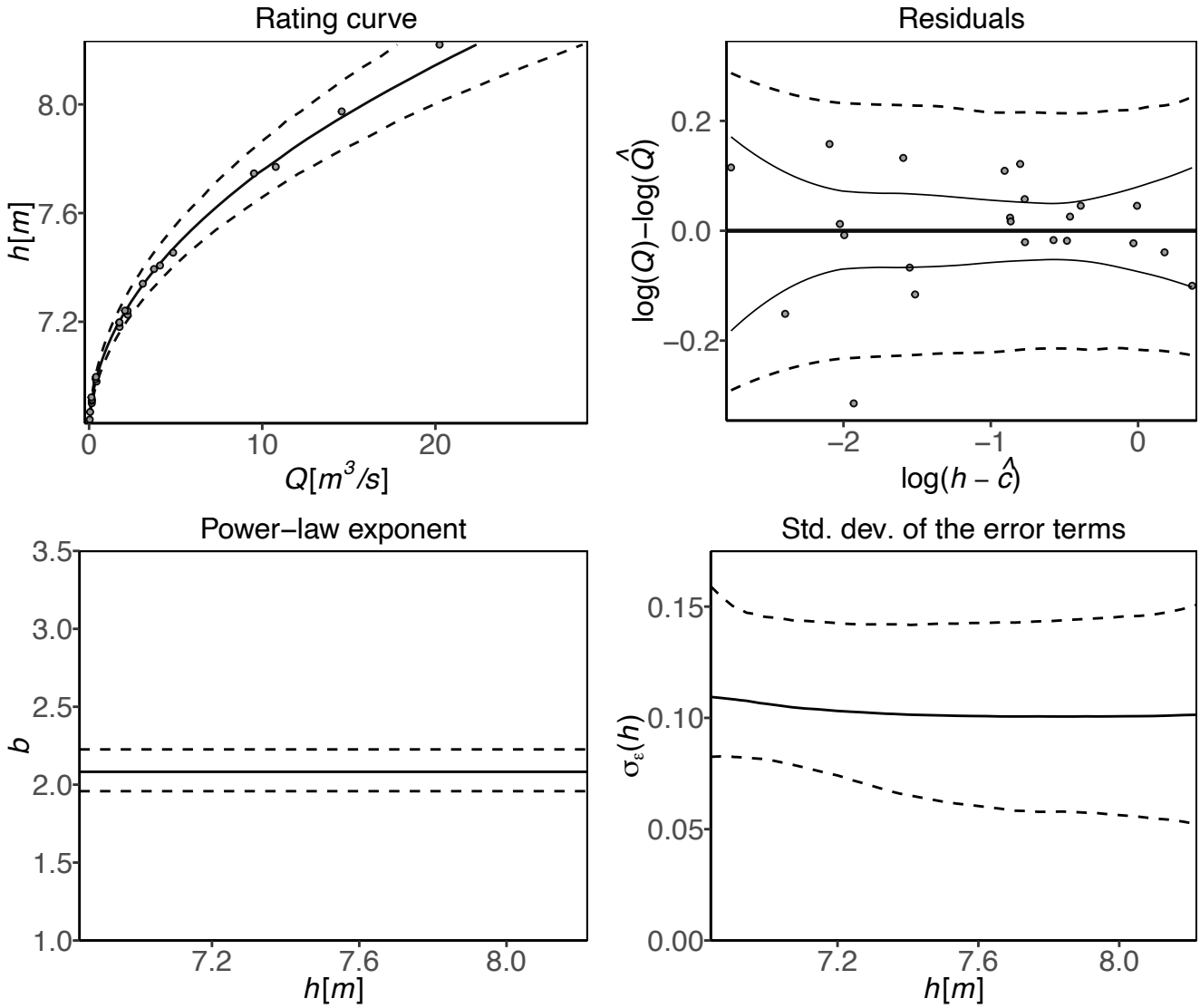
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.35	[9.57; 11.11]	6522	1.00
b	1.84	[1.83; 1.84]	8026	1.00
c	6.78	[6.75; 6.79]	2113	1.00
σ_β	0.24	[0.08; 0.69]	2065	1.00
ϕ_β	9.09	[0.57; 10054.09]	865	1.04
σ_η	0.12	[0.00; 0.65]	1716	1.00
η_1	–4.45	[–5.04; –3.69]	2017	1.01
η_2	–4.72	[–6.54; –2.75]	2294	1.00
η_3	–5.19	[–7.77; –2.18]	2468	1.00
η_4	–5.46	[–8.70; –1.73]	2294	1.00
η_5	–5.51	[–9.42; –1.37]	2010	1.00
η_6	–5.50	[–9.84; –0.87]	2015	1.00

Fellingsbro, Sweden – GPLM0



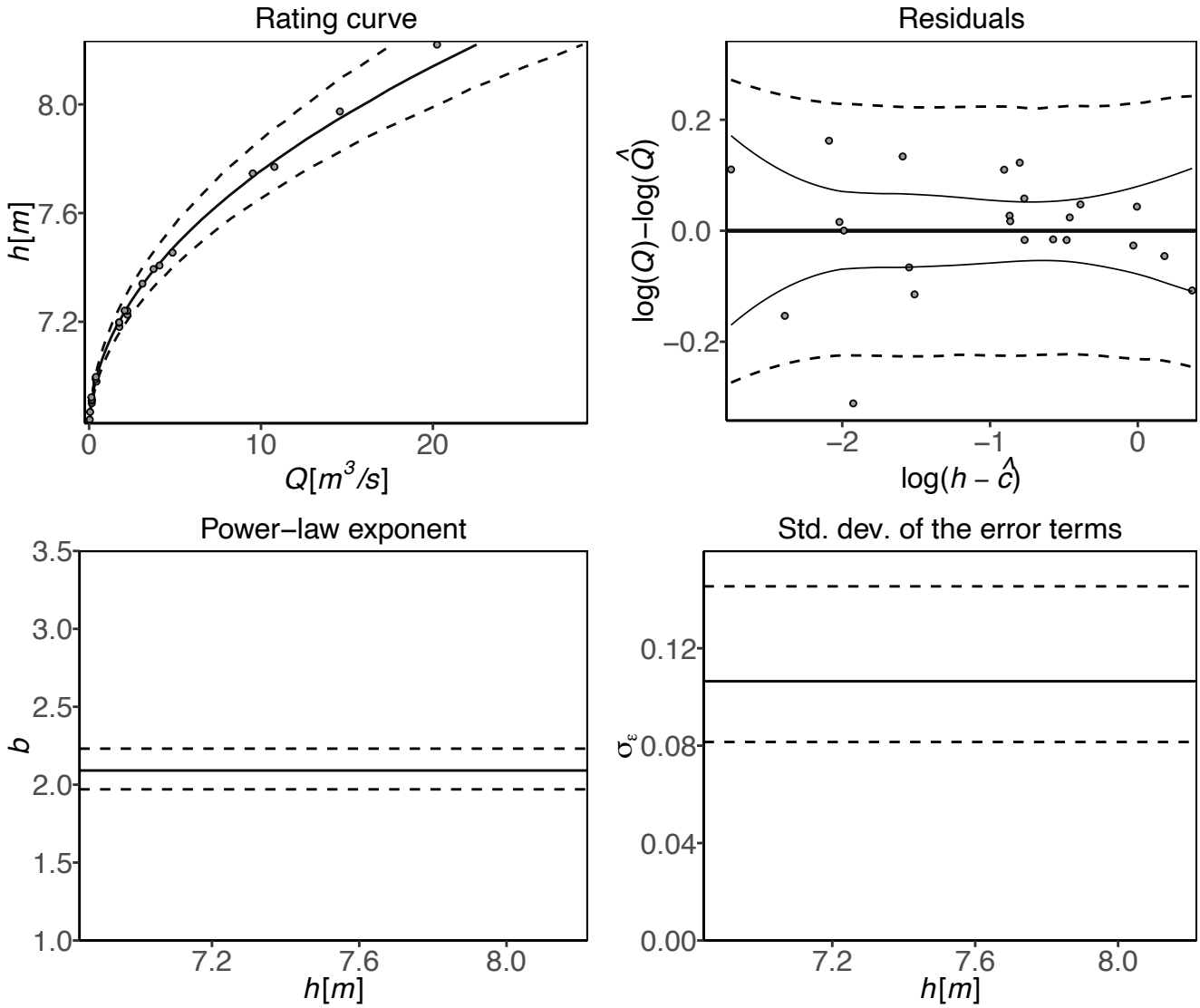
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.35	[9.51; 11.14]	9932	1.00
b	1.84	[1.83; 1.84]	10377	1.00
c	6.78	[6.75; 6.79]	5065	1.00
σ_ε	0.11	[0.08; 0.15]	4633	1.00
σ_β	0.49	[0.29; 0.84]	5082	1.00
ϕ_β	10.32	[0.63; 6341.06]	1528	1.00

Fellingsbro, Sweden – PLM



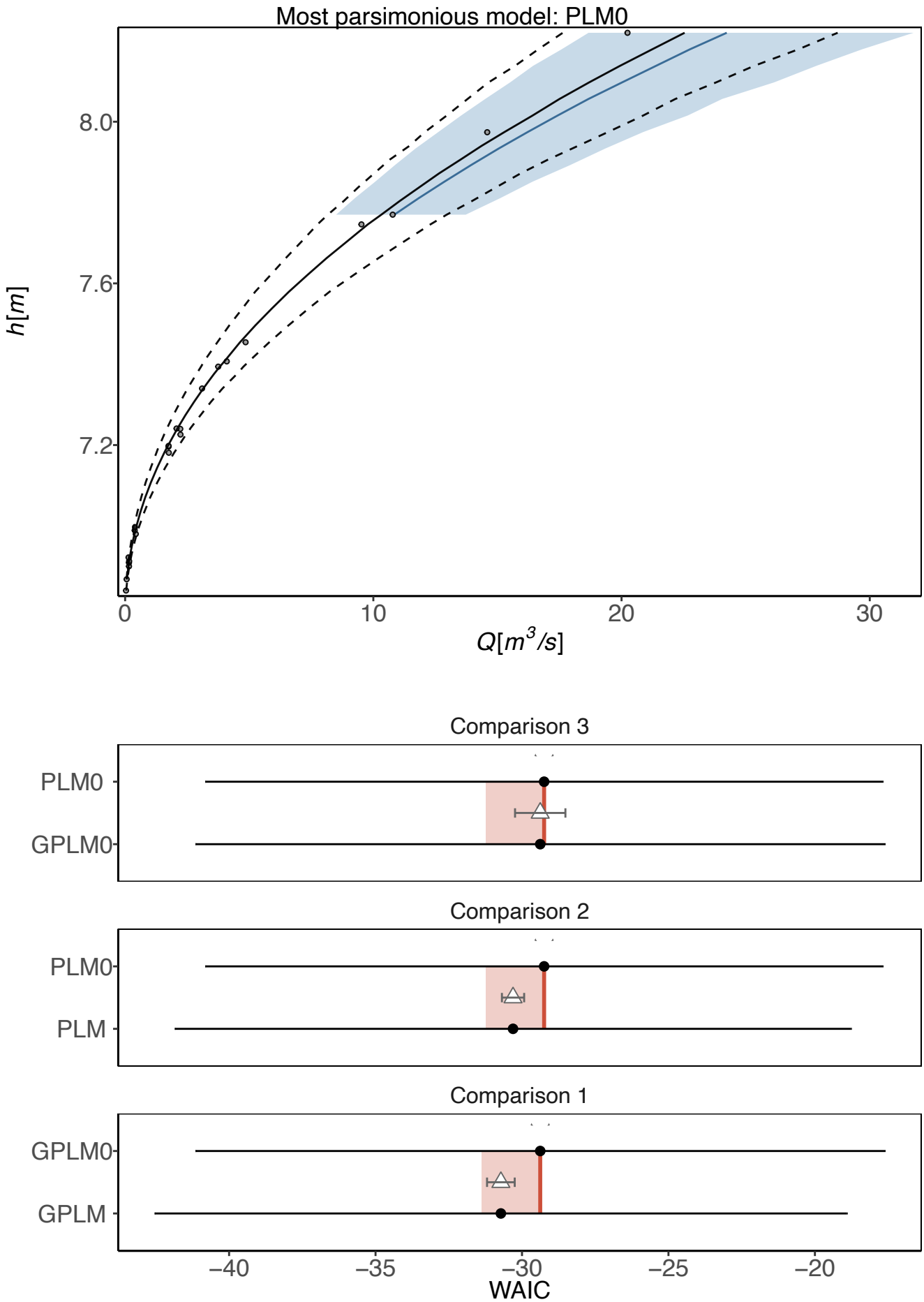
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.43	[9.75; 11.19]	10087	1.00
b	2.08	[1.96; 2.23]	2665	1.00
c	6.78	[6.76; 6.79]	2360	1.00
σ_η	0.11	[0.01; 0.60]	2133	1.00
η_1	–4.43	[–4.99; –3.68]	2112	1.00
η_2	–4.67	[–6.51; –2.74]	2541	1.00
η_3	–5.12	[–7.69; –2.28]	2981	1.00
η_4	–5.27	[–8.46; –1.83]	2909	1.00
η_5	–5.28	[–8.97; –1.31]	2736	1.00
η_6	–5.24	[–9.40; –0.83]	2526	1.00

Fellingsbro, Sweden – PLM0



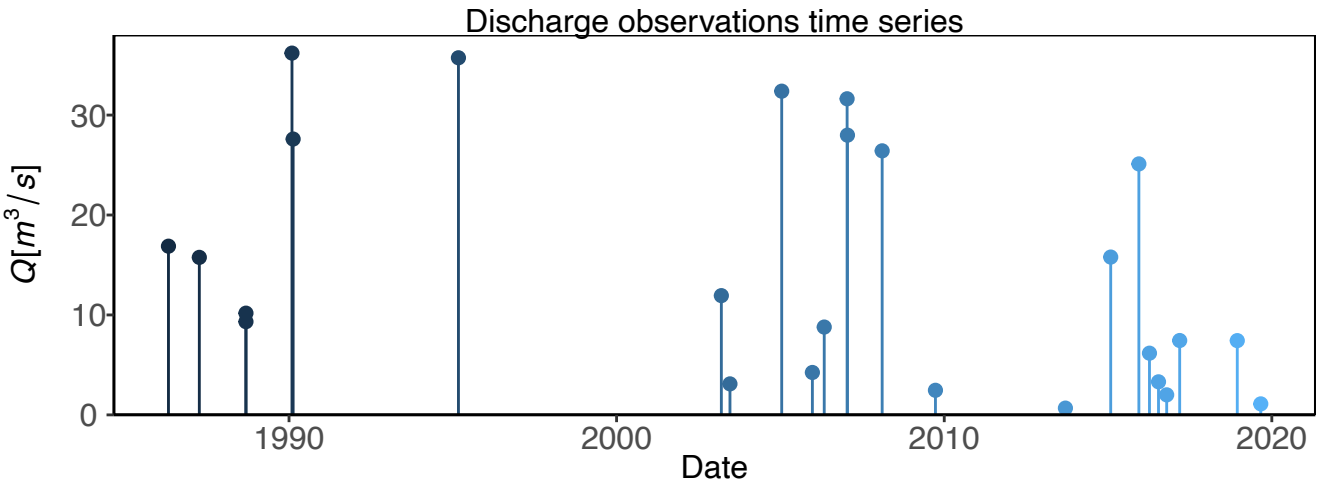
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.44	[9.70; 11.23]	15299	1.00
b	2.09	[1.97; 2.23]	9857	1.00
c	6.78	[6.76; 6.79]	9305	1.00
σ_ε	0.11	[0.08; 0.15]	9107	1.00

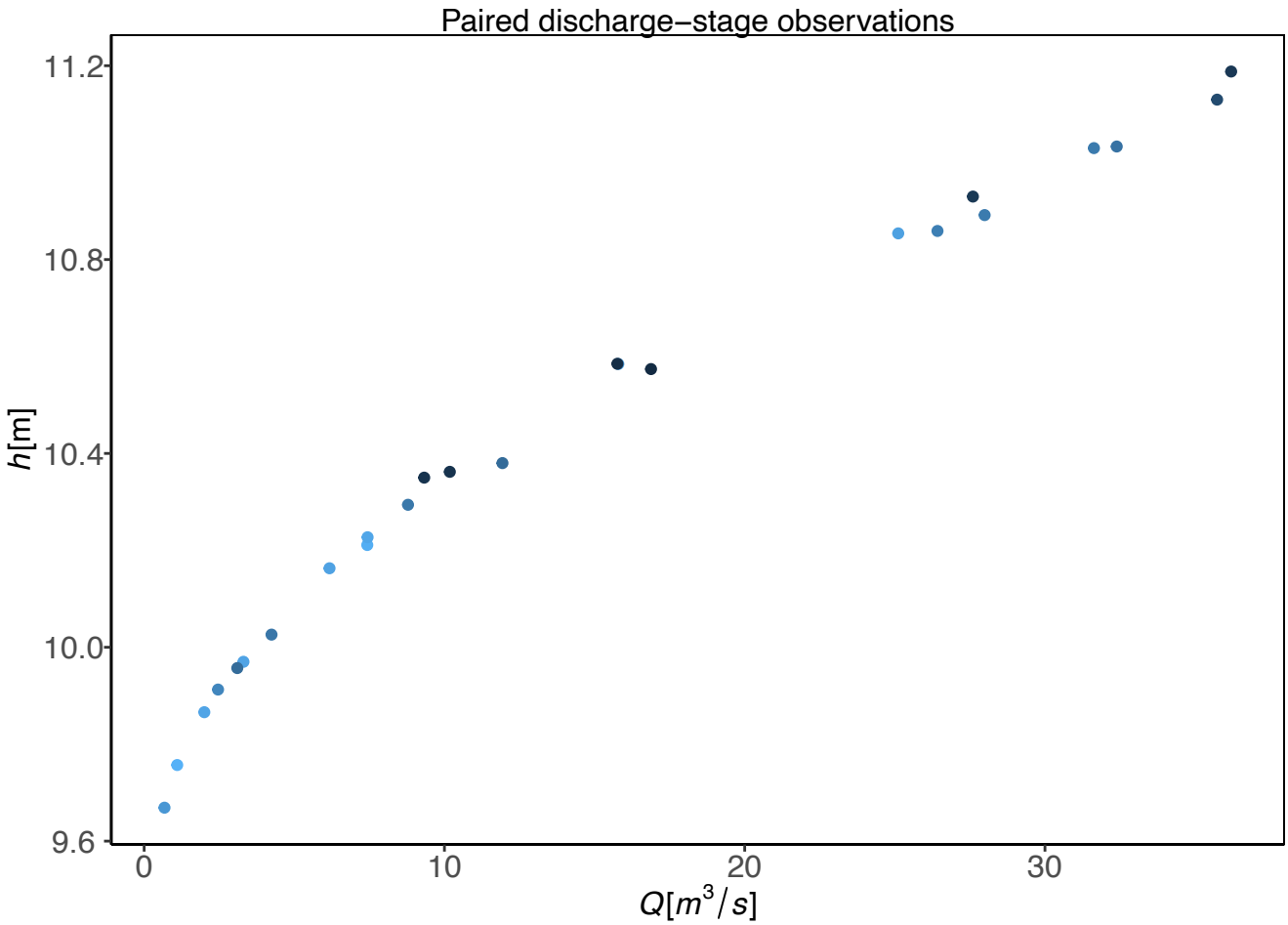
Power−law tournament results for Fellingsbro, Sweden



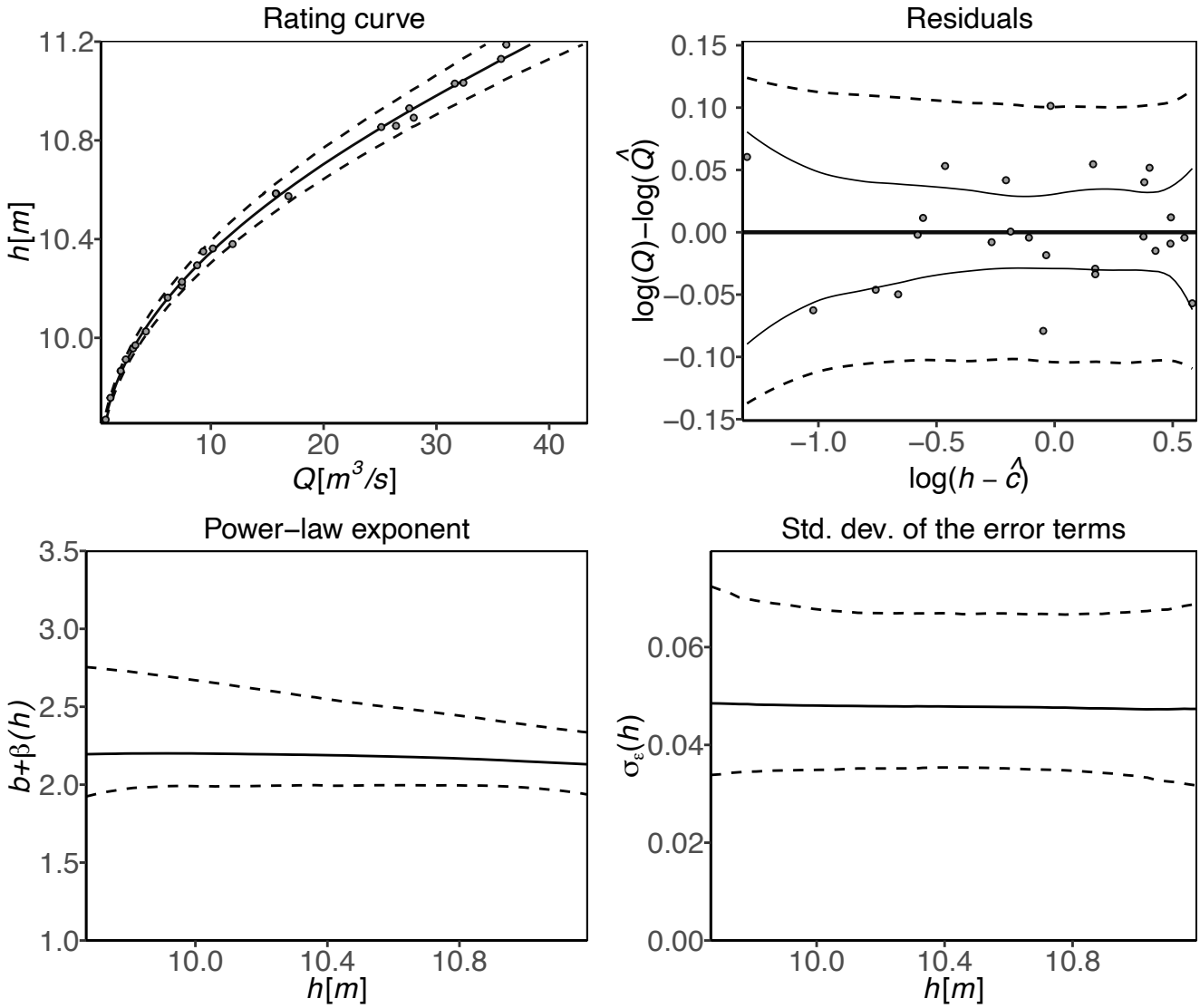
Station name:	Spånga Kvarn
Location:	Sweden
Station number:	2212
Number of observations:	25
Start date:	1986–04–28
End date:	2019–08–31
Max. discharge (m^3/s):	36.2
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.40
GPLM0	0.63	0.29
PLM	1.89	0.16
PLM0	1.96	0.15



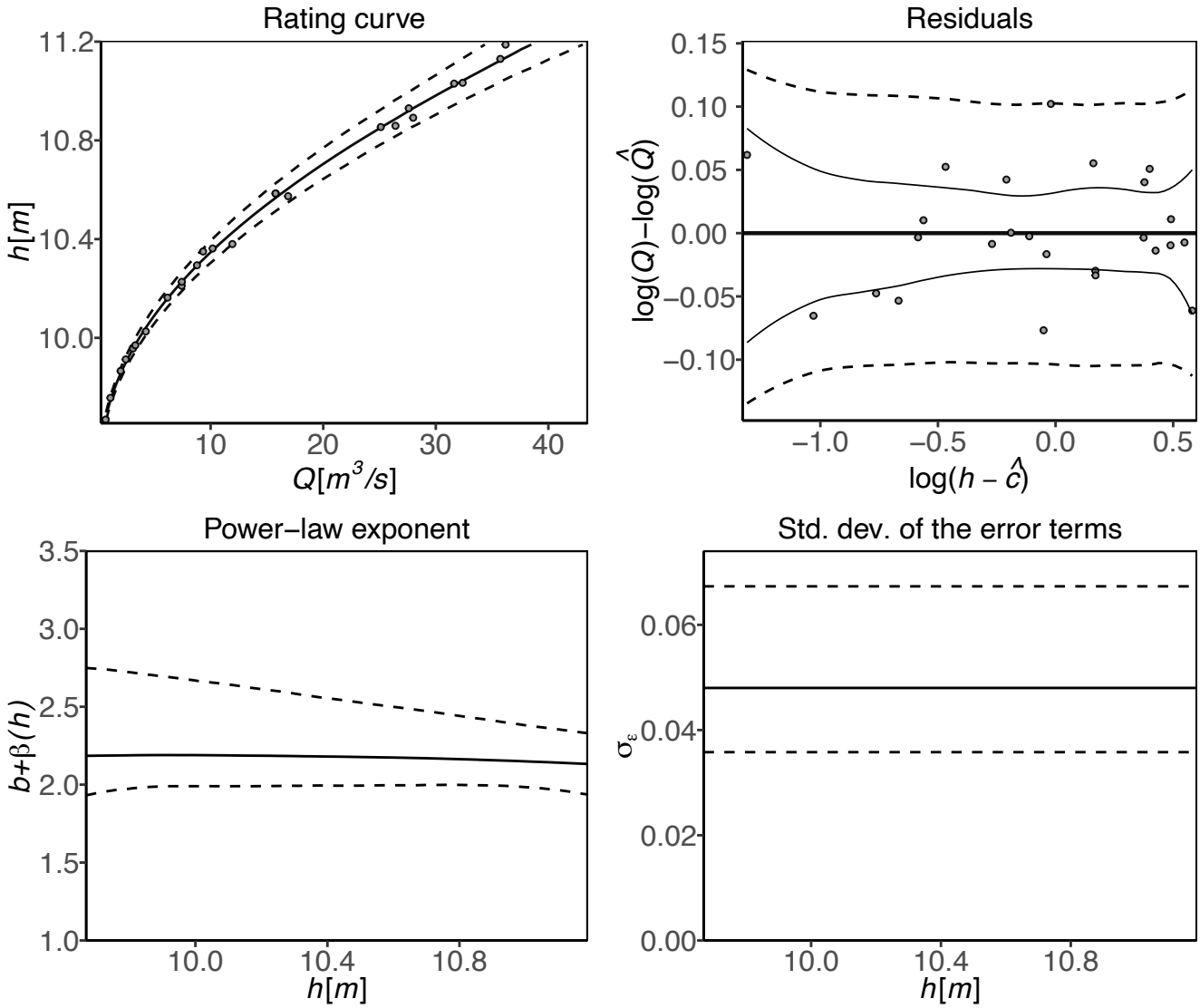


Spånga Kvarn, Sweden – GPLM



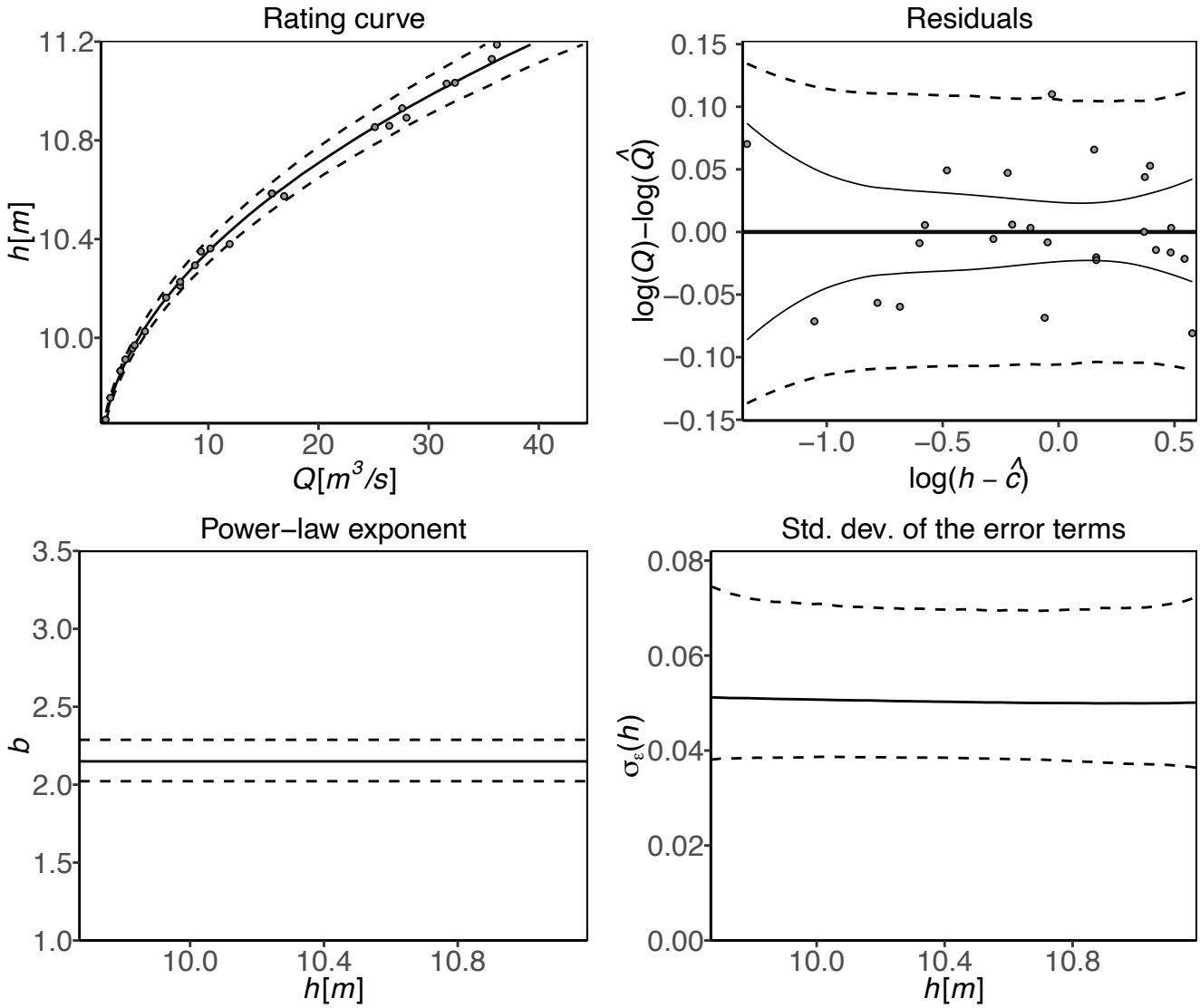
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.15	[8.38; 12.95]	1743	1.00
b	1.84	[1.83; 1.84]	9427	1.00
c	9.40	[9.27; 9.46]	1636	1.00
σ_β	0.31	[0.12; 0.82]	2063	1.00
ϕ_β	4.95	[0.53; 1857.00]	832	1.00
σ_η	0.08	[0.00; 0.43]	1584	1.00
η_1	−6.05	[−6.77; −5.25]	1320	1.01
η_2	−6.14	[−8.06; −4.20]	2142	1.00
η_3	−6.22	[−8.81; −3.54]	2309	1.00
η_4	−6.23	[−9.33; −3.06]	2266	1.00
η_5	−6.36	[−9.96; −2.64]	2353	1.00
η_6	−6.40	[−10.49; −2.13]	2287	1.00

Spånga Kvarn, Sweden – GPLM0



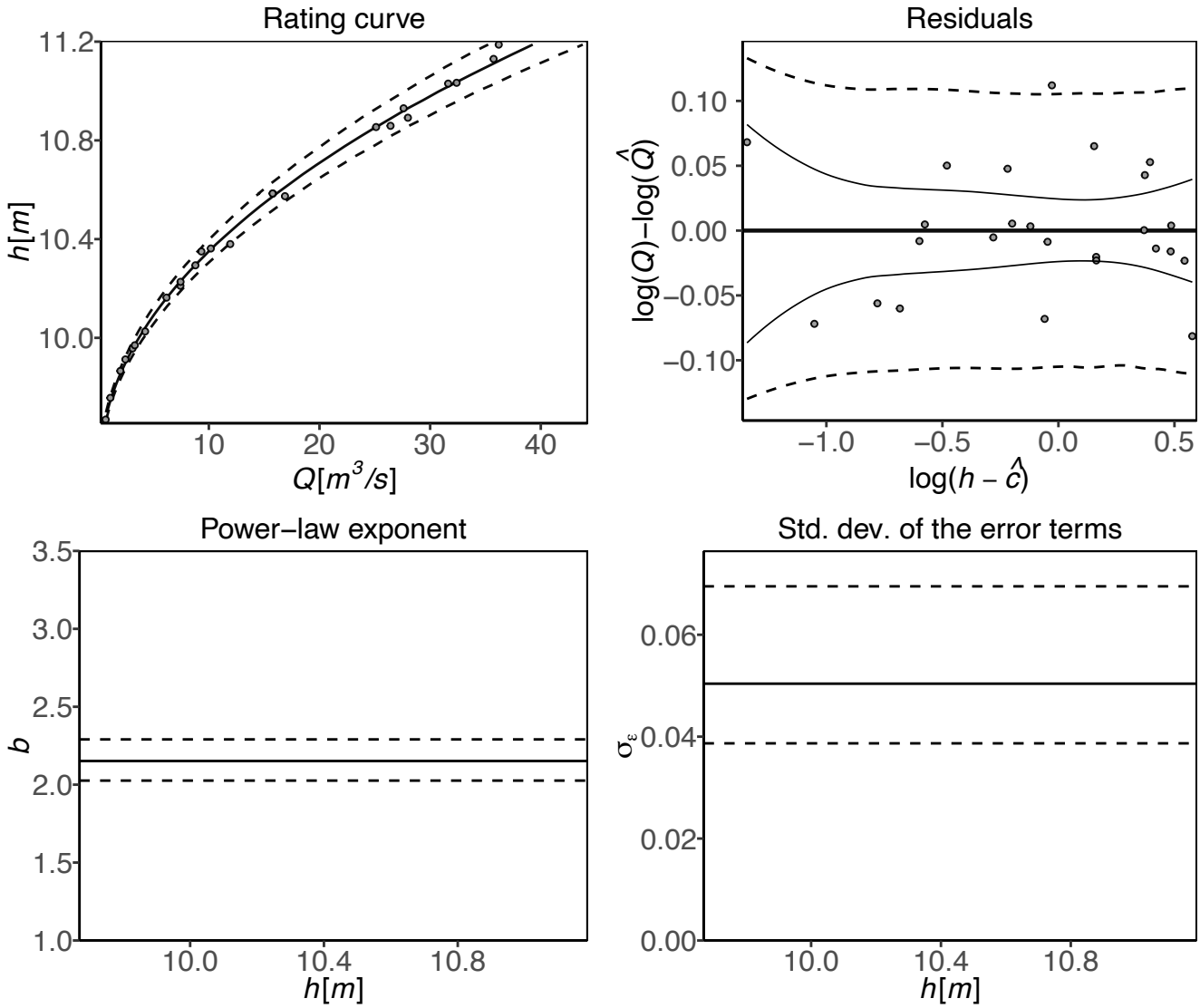
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.20	[8.37; 12.93]	3264	1.00
b	1.84	[1.83; 1.84]	10581	1.00
c	9.40	[9.27; 9.46]	3106	1.00
σ_ε	0.05	[0.04; 0.07]	4016	1.00
σ_β	0.55	[0.34; 0.91]	4420	1.00
ϕ_β	6.30	[0.58; 4507.18]	988	1.01

Spånga Kvarn, Sweden – PLM



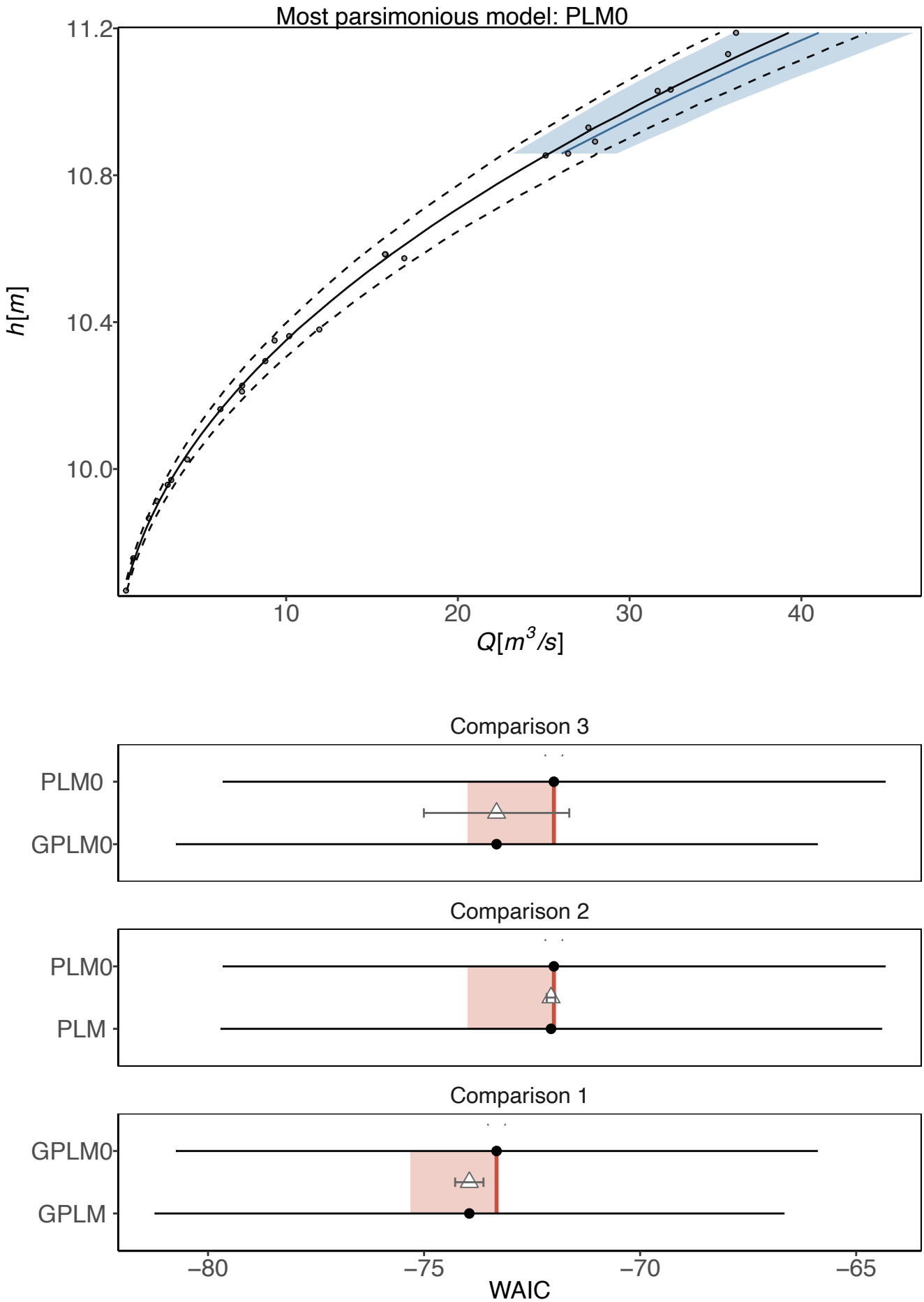
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.37	[10.16; 12.50]	2683	1.00
b	2.15	[2.02; 2.29]	2826	1.00
c	9.41	[9.36; 9.45]	2562	1.00
σ_η	0.08	[0.00; 0.41]	1839	1.00
η_1	–5.94	[–6.54; –5.19]	2331	1.00
η_2	–6.00	[–7.89; –4.06]	2793	1.00
η_3	–6.10	[–8.70; –3.45]	2820	1.00
η_4	–6.22	[–9.32; –2.90]	2849	1.00
η_5	–6.29	[–9.95; –2.46]	2921	1.00
η_6	–6.26	[–10.21; –2.09]	2753	1.00

Spånga Kvarn, Sweden – PLM0



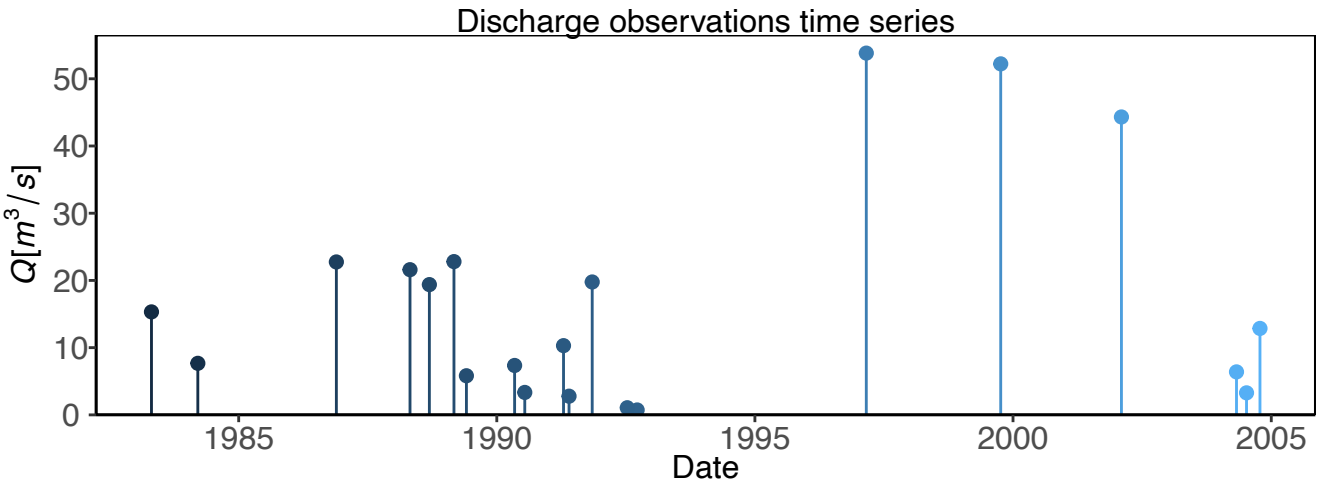
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.35	[10.16; 12.47]	10619	1.00
b	2.15	[2.03; 2.29]	11092	1.00
c	9.41	[9.36; 9.45]	10364	1.00
σ_ε	0.05	[0.04; 0.07]	8934	1.00

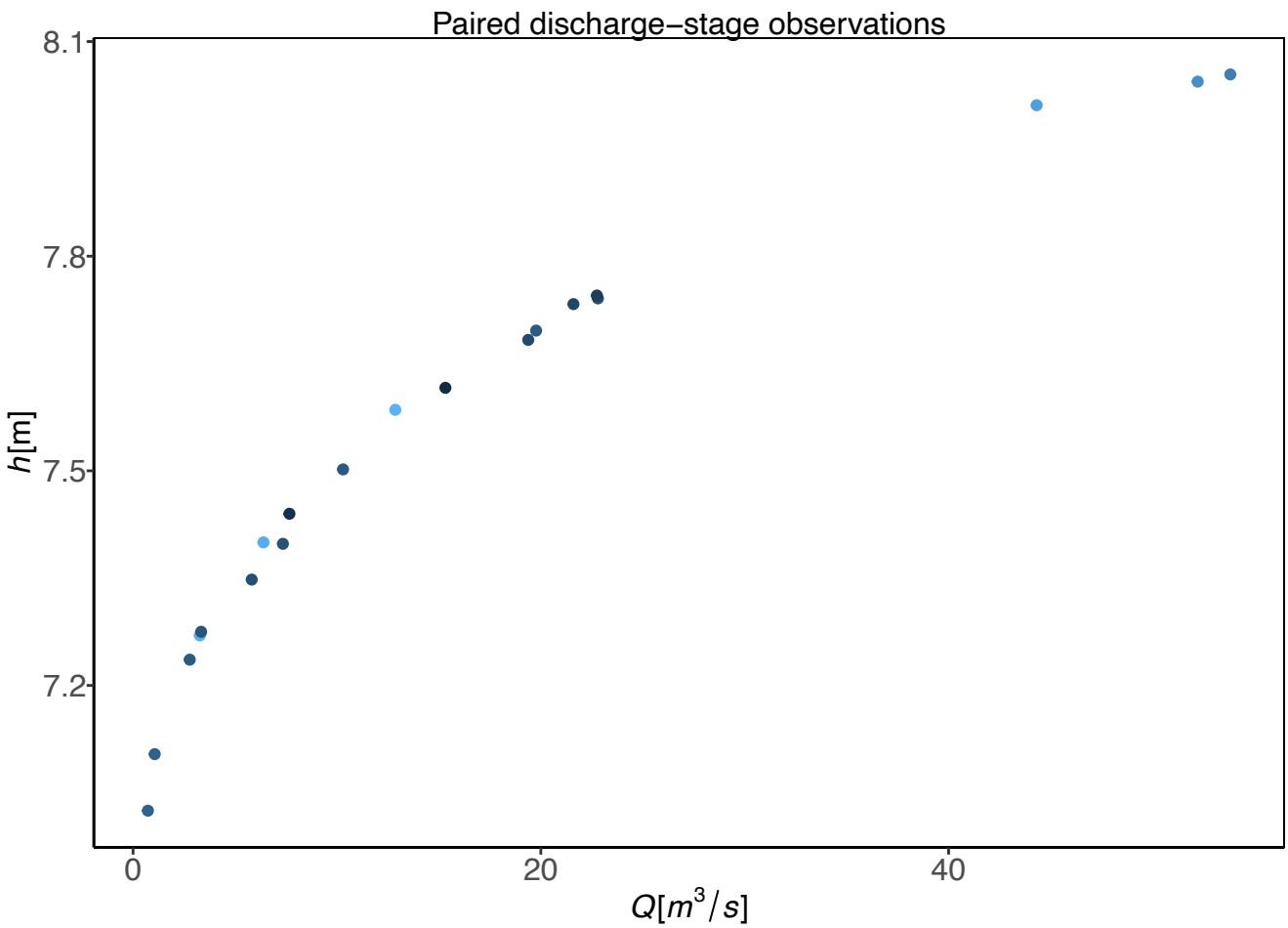
Power−law tournament results for Spånga Kvarn, Sweden



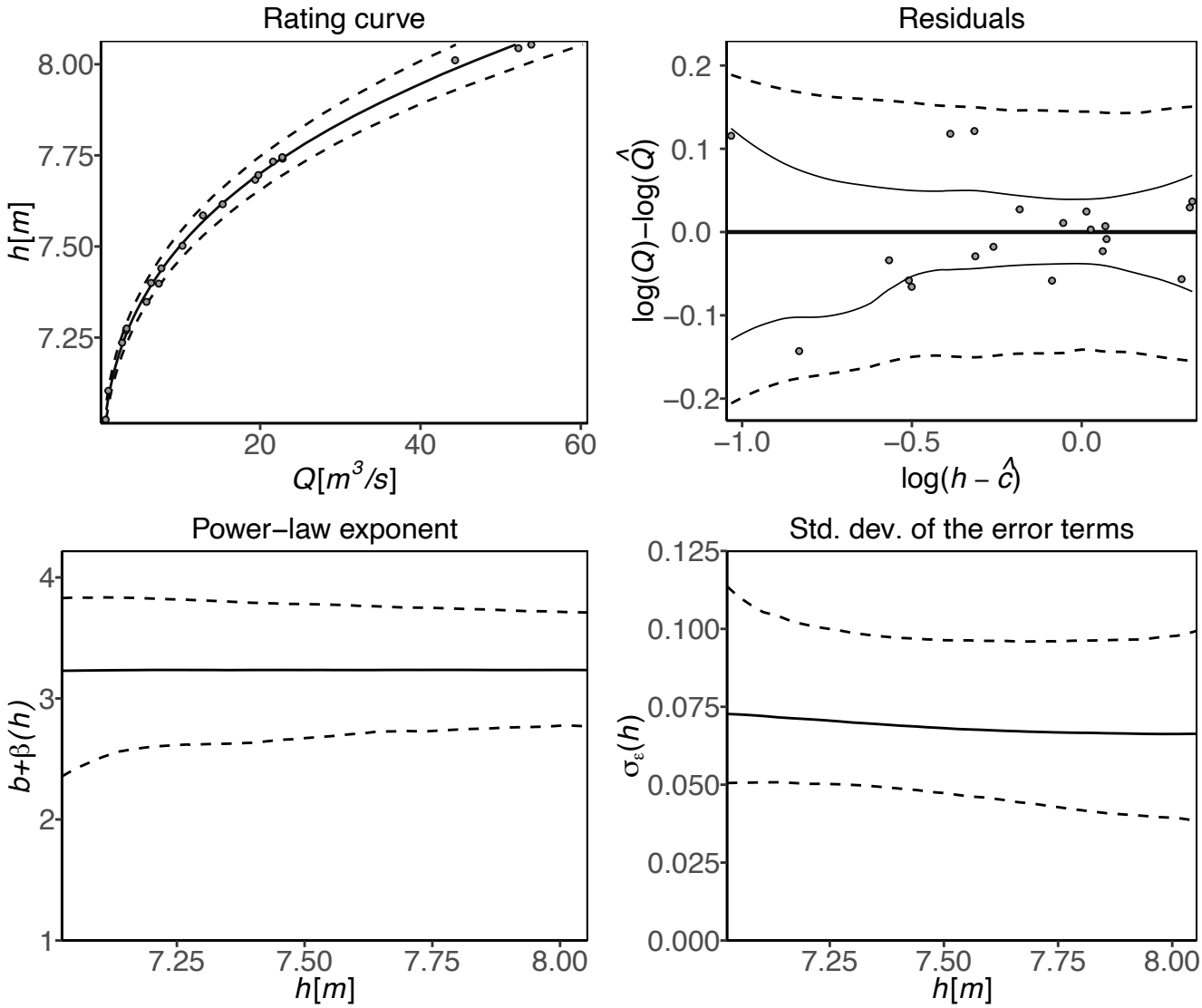
Station name:	Mellankvarn
Location:	Sweden
Station number:	2214
Number of observations:	20
Start date:	1983–04–25
End date:	2004–10–13
Max. discharge (m^3/s):	53.8
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.47
GPLM0	1.17	0.26
PLM	2.09	0.16
PLM0	2.94	0.11



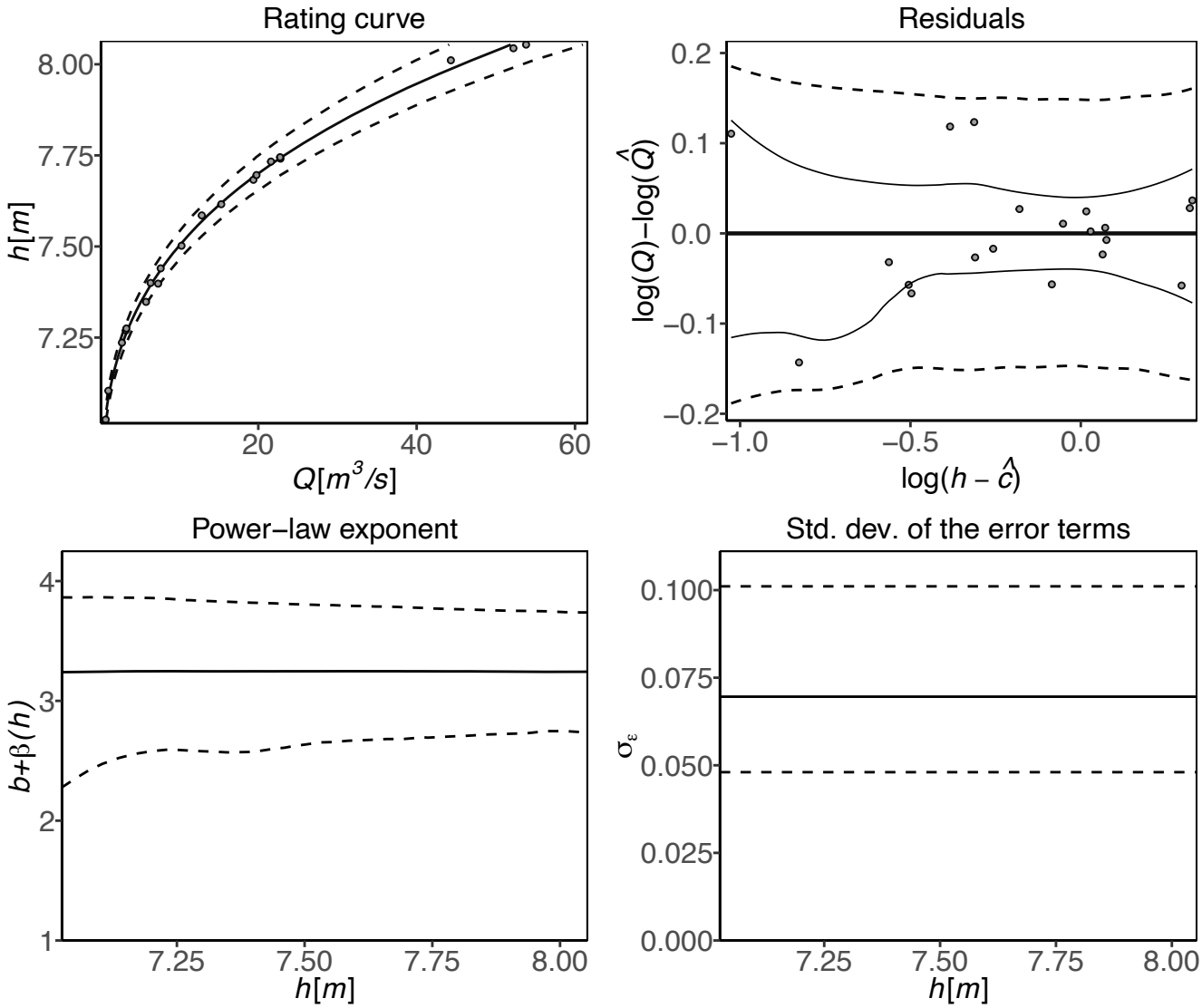


Mellankvarn, Sweden – GPLM



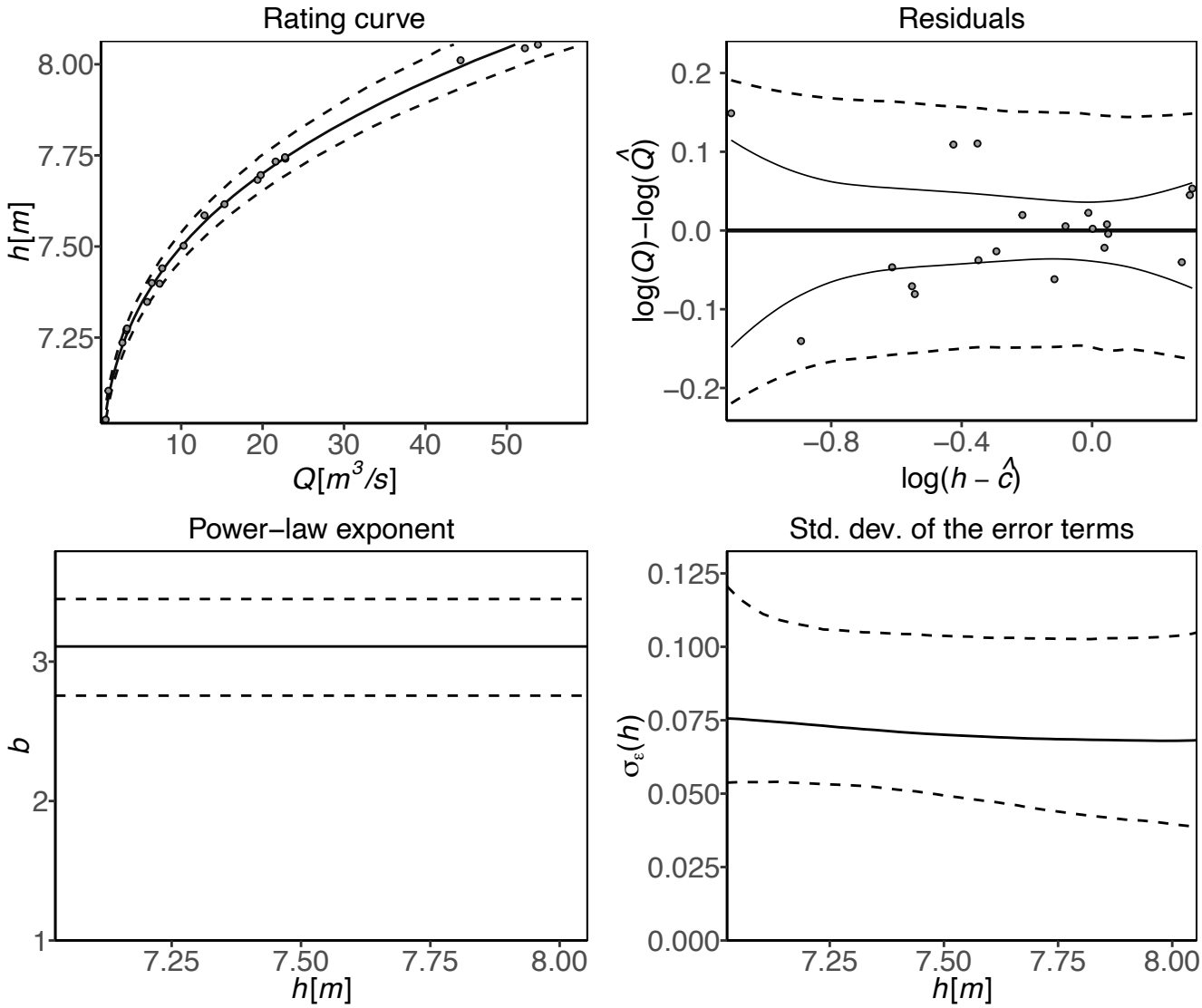
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	18.12	[11.66; 28.16]	1310	1.01
b	1.84	[1.83; 1.84]	8921	1.00
c	6.67	[6.55; 6.82]	1085	1.01
σ_β	0.73	[0.41; 1.36]	2130	1.00
ϕ_β	20.50	[0.44; 19349.65]	1082	1.01
σ_η	0.10	[0.00; 0.56]	1655	1.00
η_1	–5.24	[–5.97; –4.35]	1854	1.00
η_2	–5.40	[–7.34; –3.46]	2173	1.00
η_3	–5.70	[–8.21; –2.94]	2444	1.00
η_4	–6.07	[–9.16; –2.58]	2504	1.00
η_5	–6.18	[–9.91; –2.19]	2237	1.01
η_6	–6.17	[–10.37; –1.70]	2251	1.00

Mellankvarn, Sweden – GPLM0



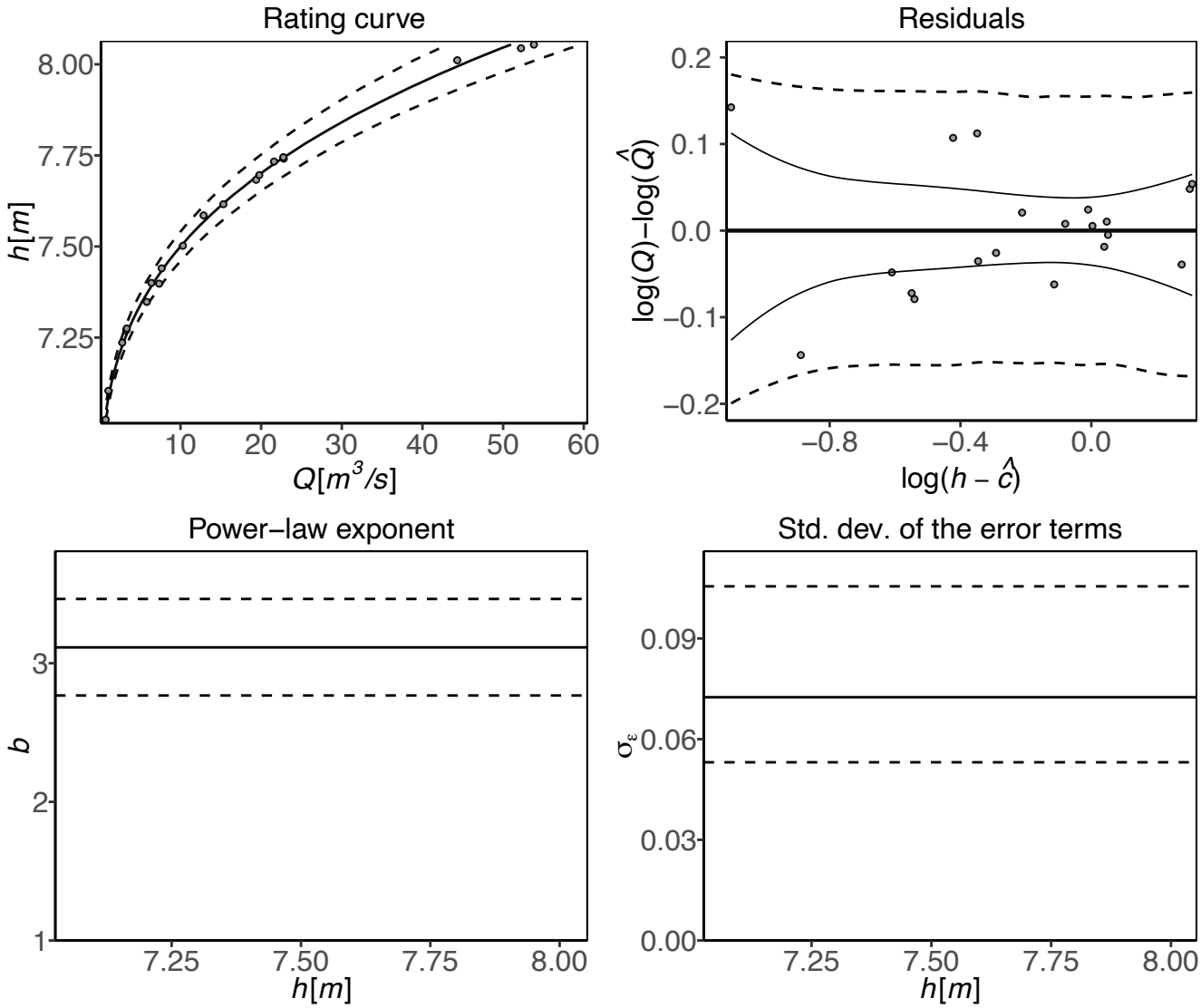
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	17.98	[11.52; 29.41]	1830	1.01
b	1.84	[1.83; 1.84]	13330	1.00
c	6.67	[6.54; 6.84]	1279	1.02
σ_ε	0.07	[0.05; 0.10]	3129	1.00
σ_β	0.86	[0.64; 1.17]	4647	1.00
ϕ_β	20.38	[0.41; 14706.73]	1828	1.01

Mellankvarn, Sweden – PLM



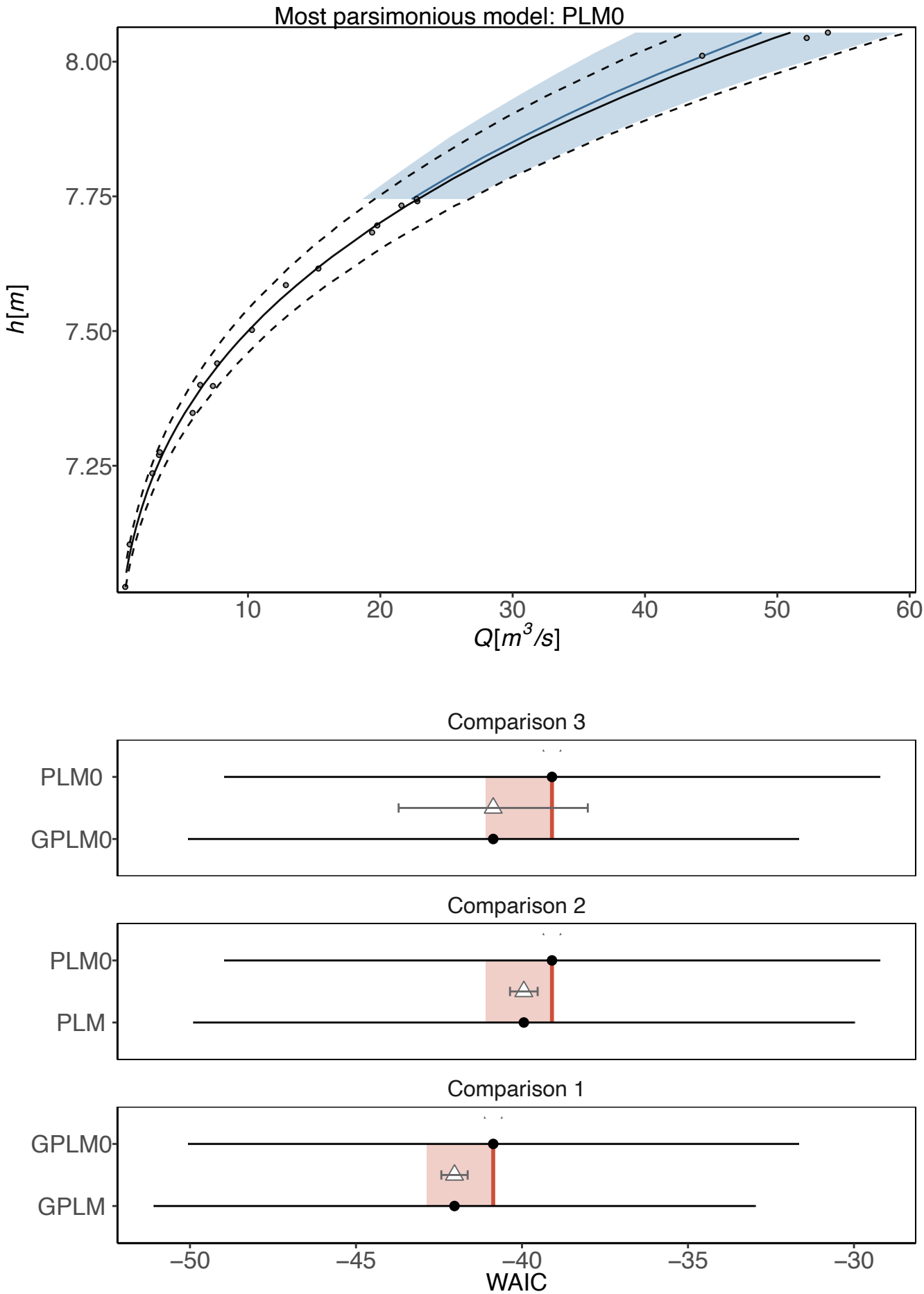
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	19.60	[15.18; 24.45]	2318	1.00
b	3.11	[2.76; 3.45]	2409	1.00
c	6.69	[6.62; 6.77]	2254	1.00
σ_η	0.11	[0.00; 0.56]	1798	1.00
η_1	–5.16	[–5.85; –4.23]	2618	1.00
η_2	–5.32	[–7.23; –3.41]	2453	1.00
η_3	–5.71	[–8.22; –2.89]	2657	1.00
η_4	–6.10	[–9.15; –2.59]	2920	1.00
η_5	–6.25	[–9.80; –2.14]	2546	1.00
η_6	–6.29	[–10.27; –1.67]	2701	1.00

Mellankvarn, Sweden – PLM0



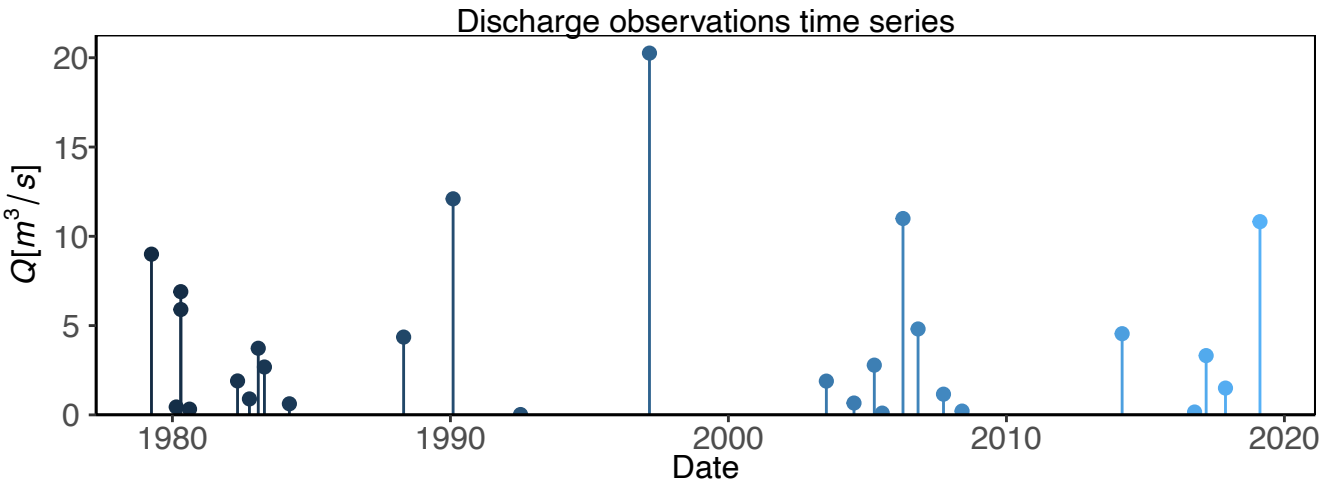
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	19.49	[15.05; 24.06]	8937	1.00
b	3.11	[2.77; 3.46]	8950	1.00
c	6.69	[6.62; 6.76]	8623	1.00
σ_ε	0.07	[0.05; 0.11]	9101	1.00

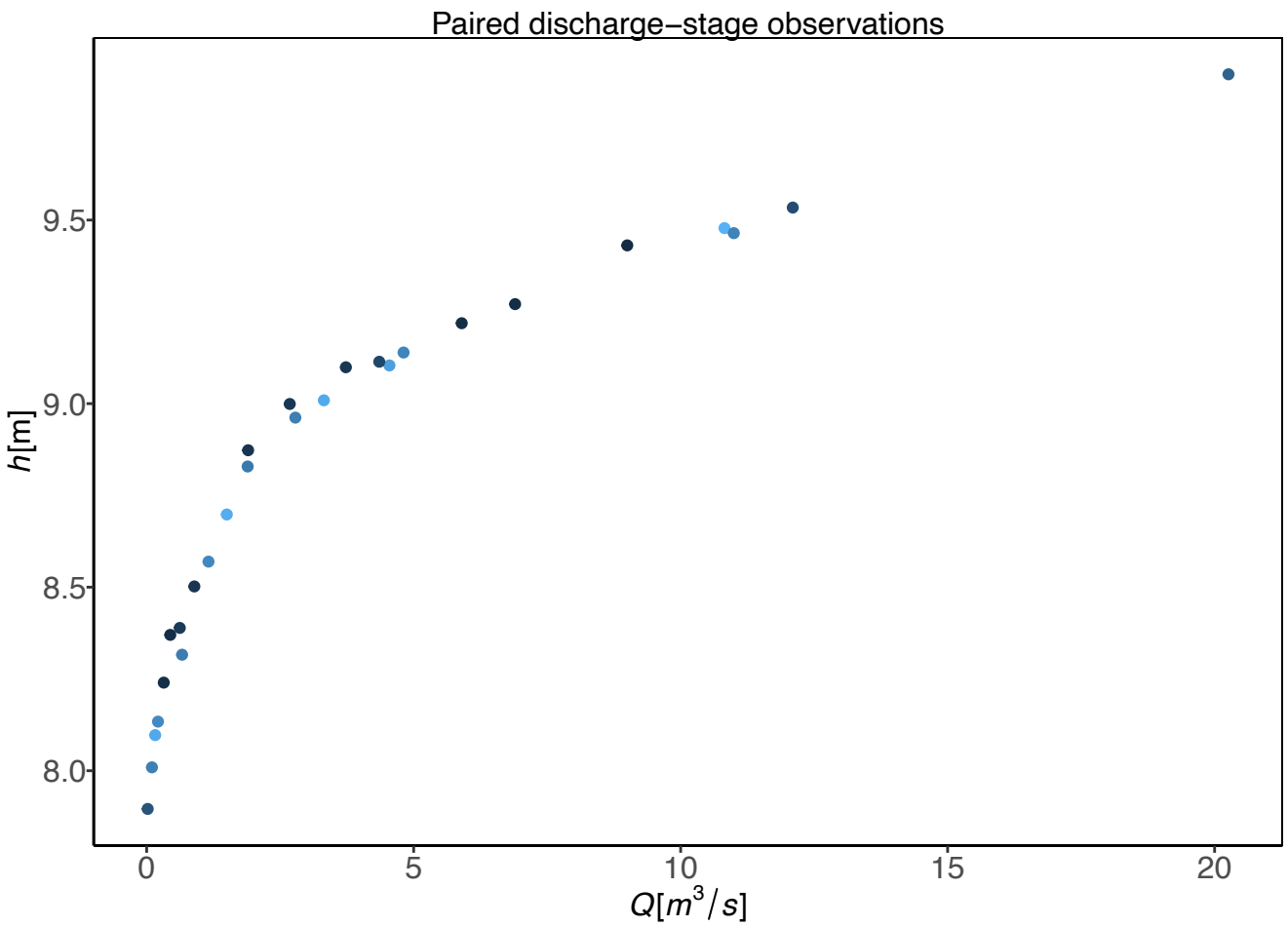
Power−law tournament results for Mellankvarn, Sweden



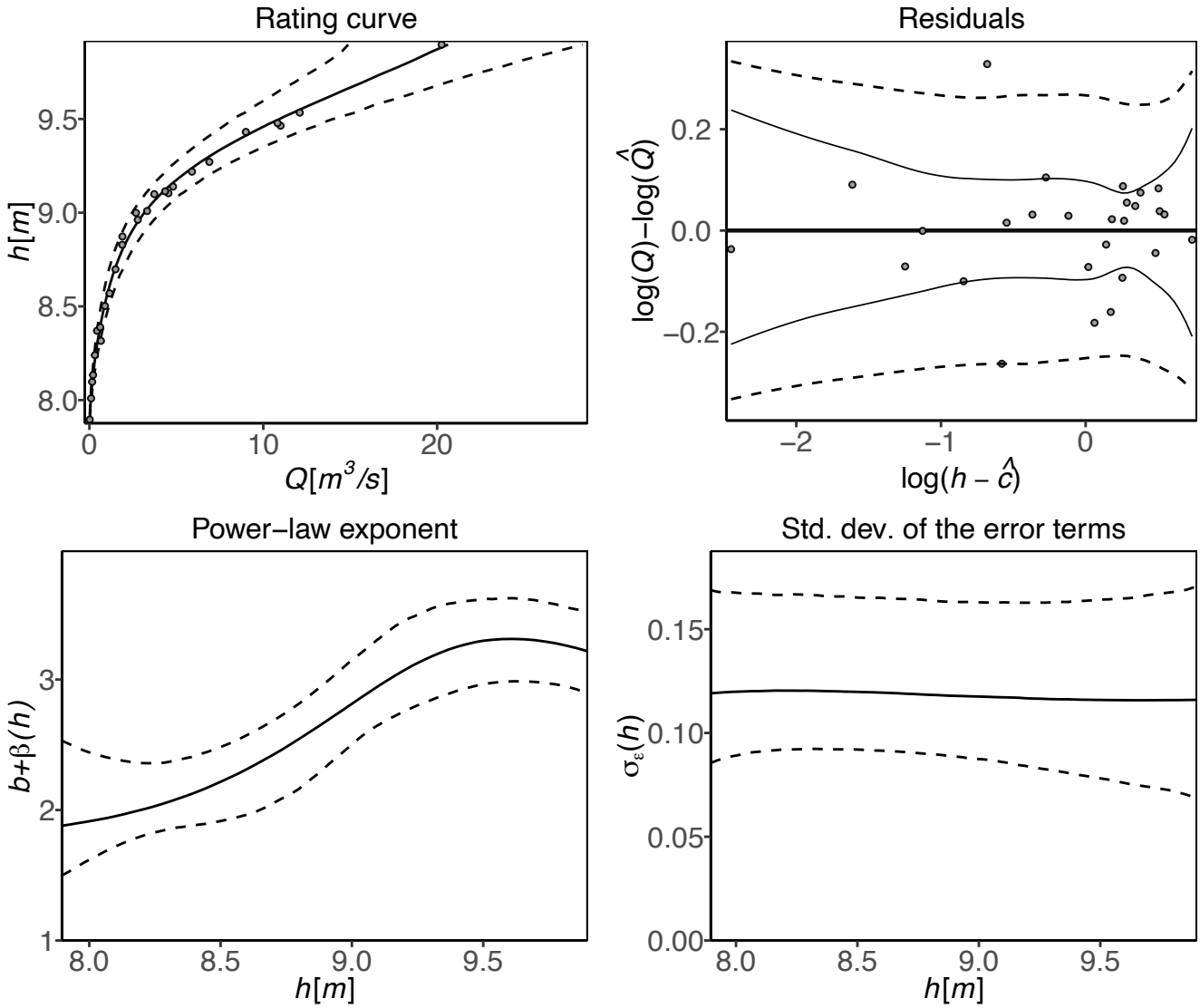
Station name:	Krokfors Kvarn
Location:	Sweden
Station number:	2215
Number of observations:	27
Start date:	1979–04–01
End date:	2019–02–14
Max. discharge (m^3/s):	20.3
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.57
GPLM0	0.60	0.43
PLM	25.39	0.00
PLM0	25.06	0.00



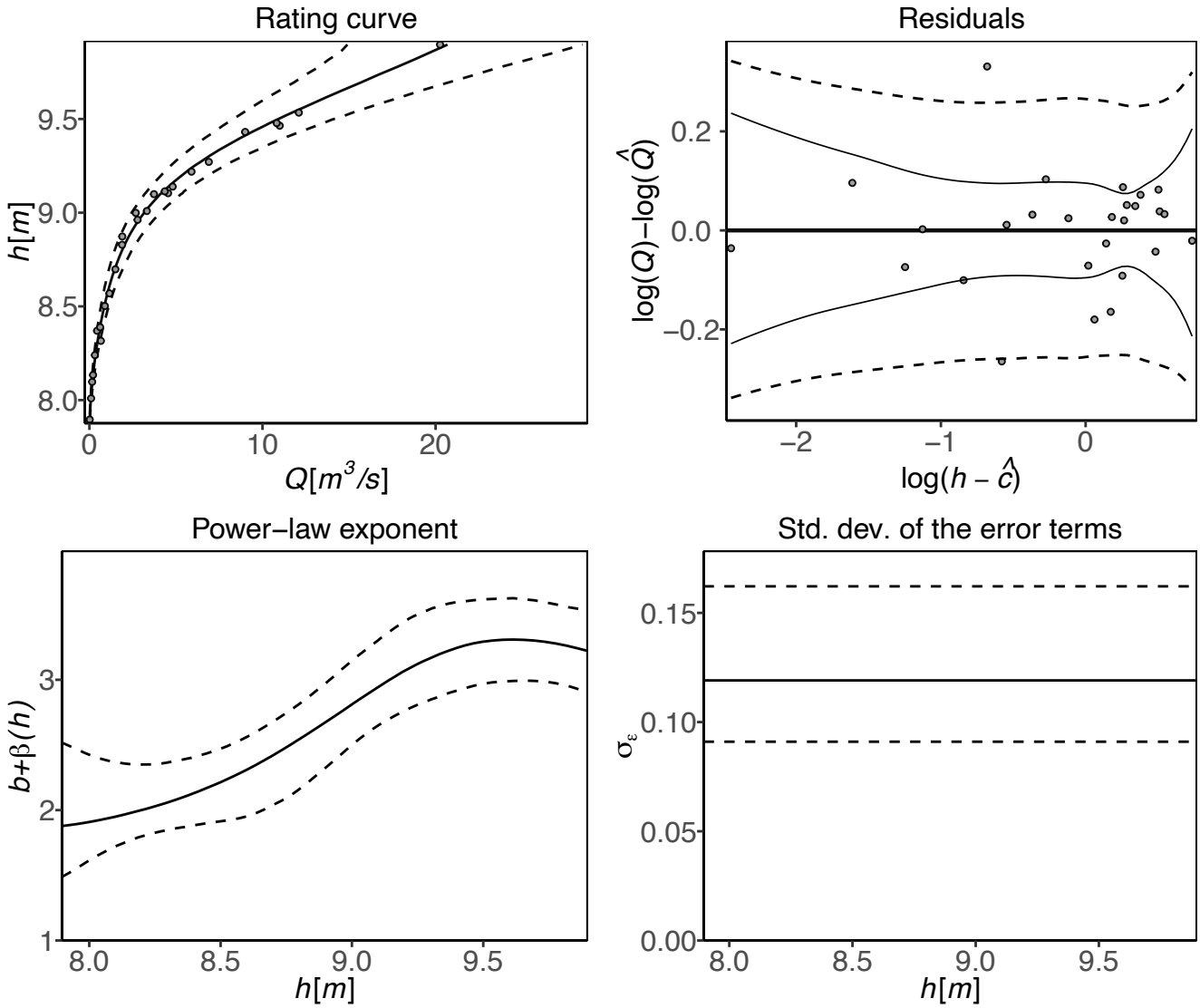


Krokfors Kvarn, Sweden – GPLM



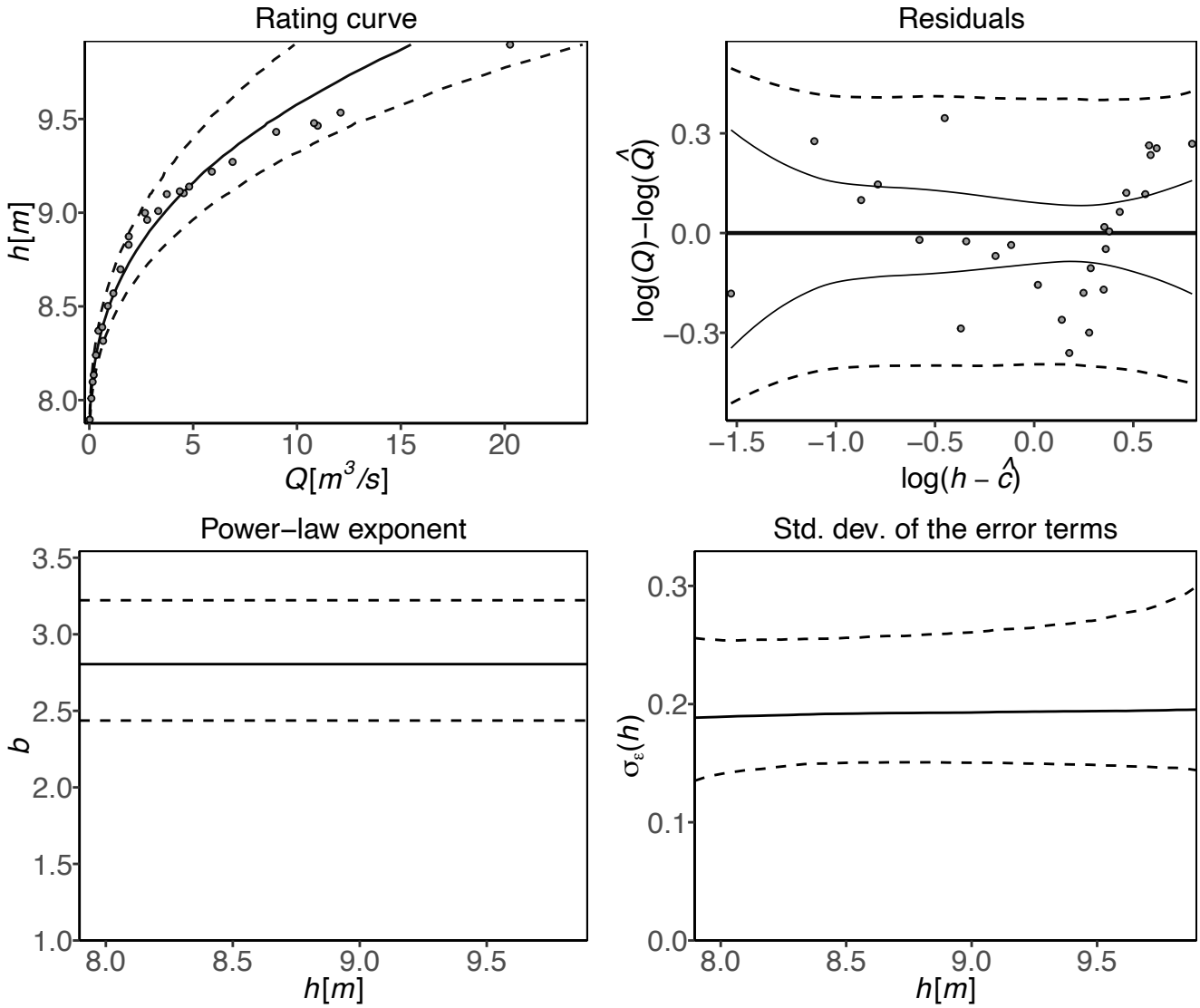
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.94	[1.48; 2.23]	2340	1.00
b	1.84	[1.83; 1.84]	10606	1.00
c	7.81	[7.71; 7.85]	1944	1.00
σ_β	0.70	[0.42; 1.27]	2334	1.00
ϕ_β	1.17	[0.56; 2.79]	1887	1.00
σ_η	0.09	[0.00; 0.51]	1532	1.01
η_1	–4.25	[–4.92; –3.56]	1882	1.00
η_2	–4.08	[–5.97; –2.30]	2334	1.00
η_3	–4.22	[–6.90; –1.65]	2283	1.00
η_4	–4.51	[–7.68; –1.21]	2229	1.00
η_5	–4.66	[–8.30; –0.71]	2445	1.00
η_6	–4.66	[–8.86; –0.32]	2268	1.00

Krokfors Kvarn, Sweden – GPLM0



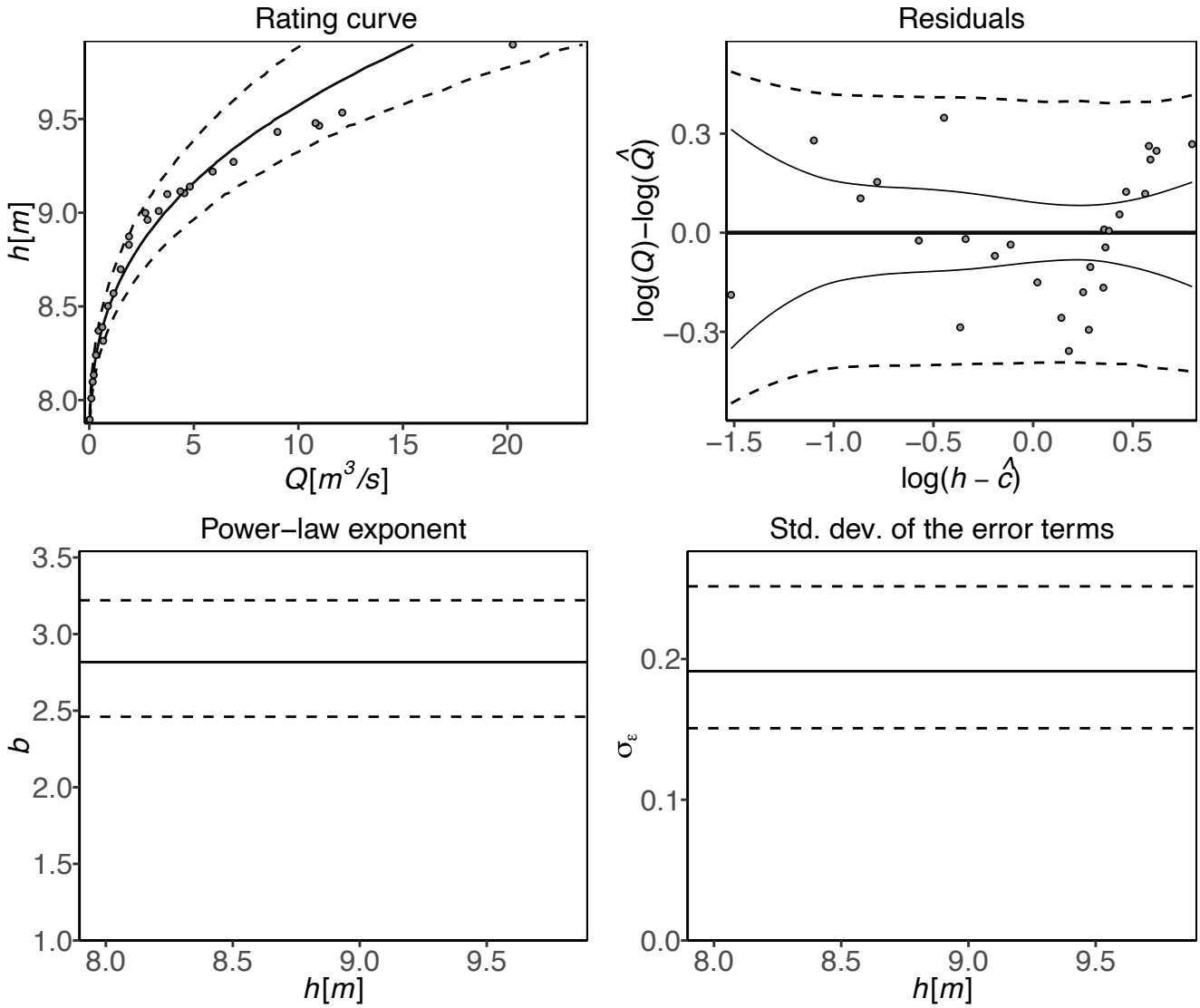
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.94	[1.49; 2.23]	5701	1.00
b	1.84	[1.83; 1.84]	12832	1.00
c	7.81	[7.71; 7.86]	4478	1.00
σ_ε	0.12	[0.09; 0.16]	4997	1.00
σ_β	0.84	[0.65; 1.13]	4987	1.00
ϕ_β	1.19	[0.56; 2.82]	3952	1.00

Krokfors Kvarn, Sweden – PLM



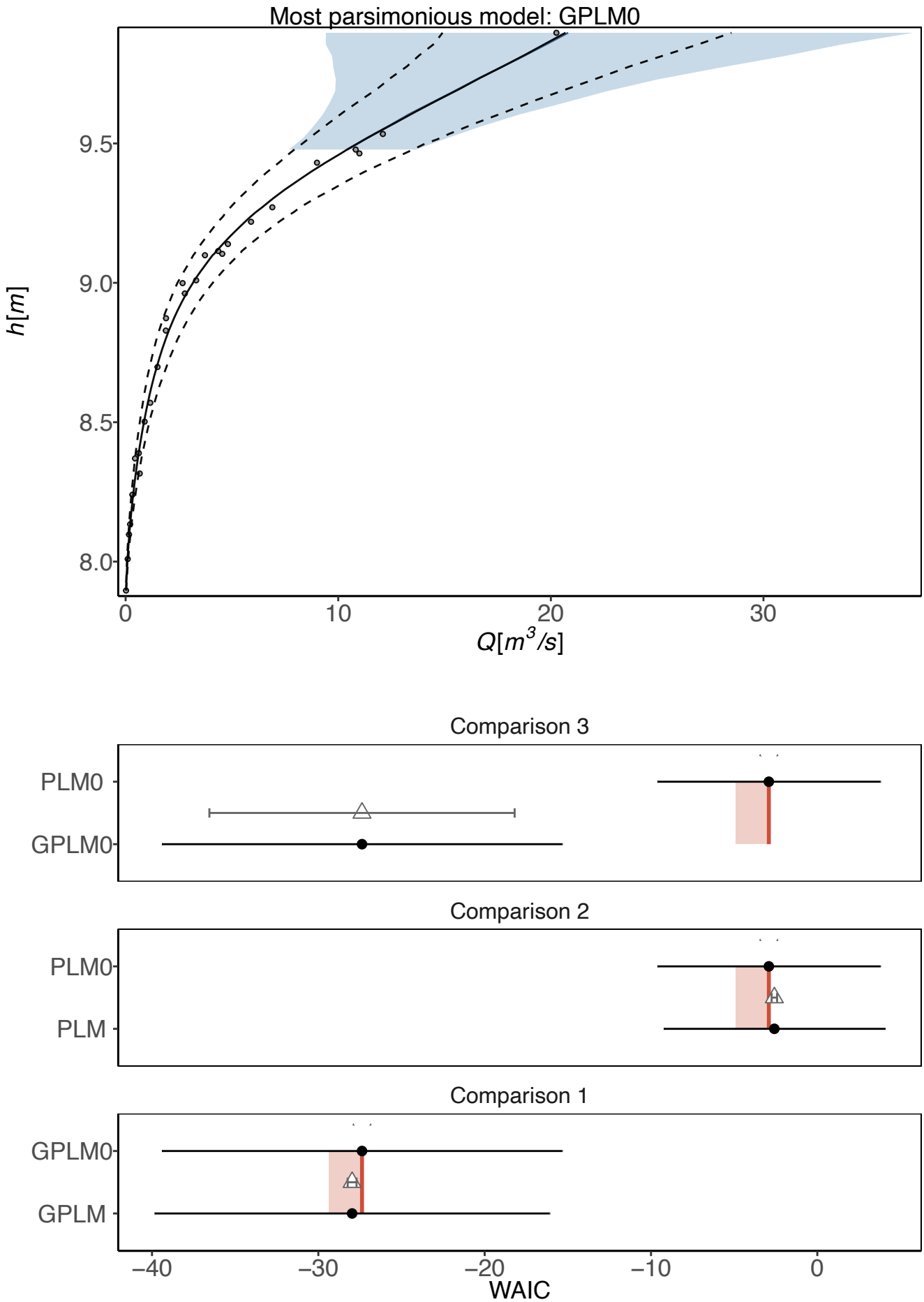
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.66	[1.16; 2.15]	2673	1.00
b	2.80	[2.44; 3.22]	2723	1.00
c	7.68	[7.58; 7.75]	2470	1.00
σ_η	0.08	[0.00; 0.42]	1615	1.00
η_1	–3.34	[–4.00; –2.73]	2017	1.00
η_2	–3.17	[–4.99; –1.31]	2658	1.00
η_3	–3.02	[–5.66; –0.50]	2626	1.00
η_4	–2.94	[–6.26; 0.13]	2896	1.00
η_5	–2.85	[–6.67; 0.76]	2833	1.00
η_6	–2.77	[–7.16; 1.34]	2735	1.00

Krokfors Kvarn, Sweden – PLM0



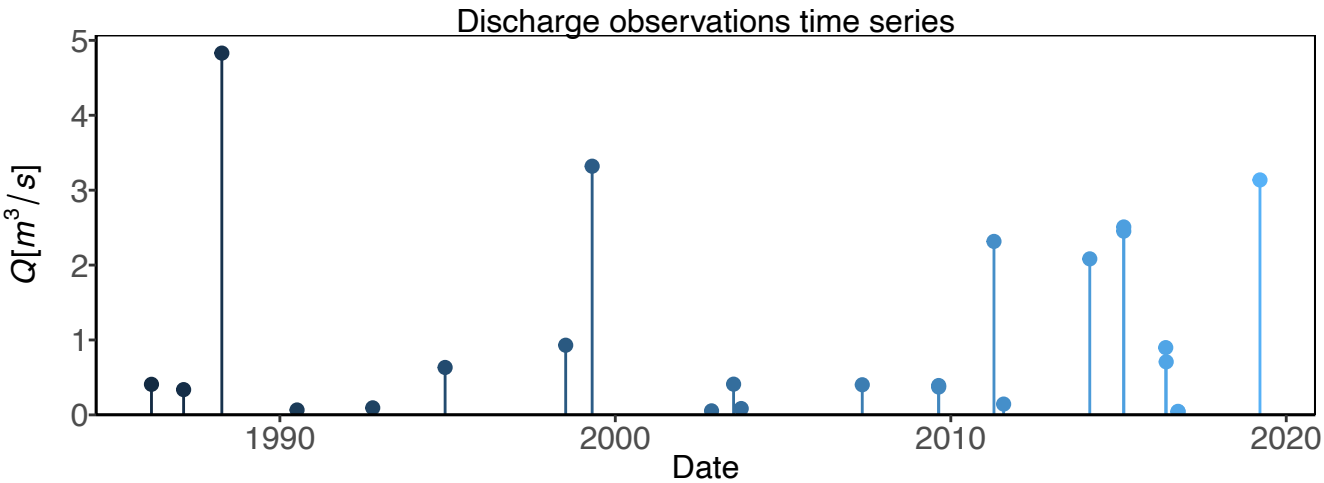
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.64	[1.15; 2.14]	9869	1.00
b	2.82	[2.46; 3.22]	9772	1.00
c	7.68	[7.58; 7.75]	9272	1.00
σ_ε	0.19	[0.15; 0.25]	9781	1.00

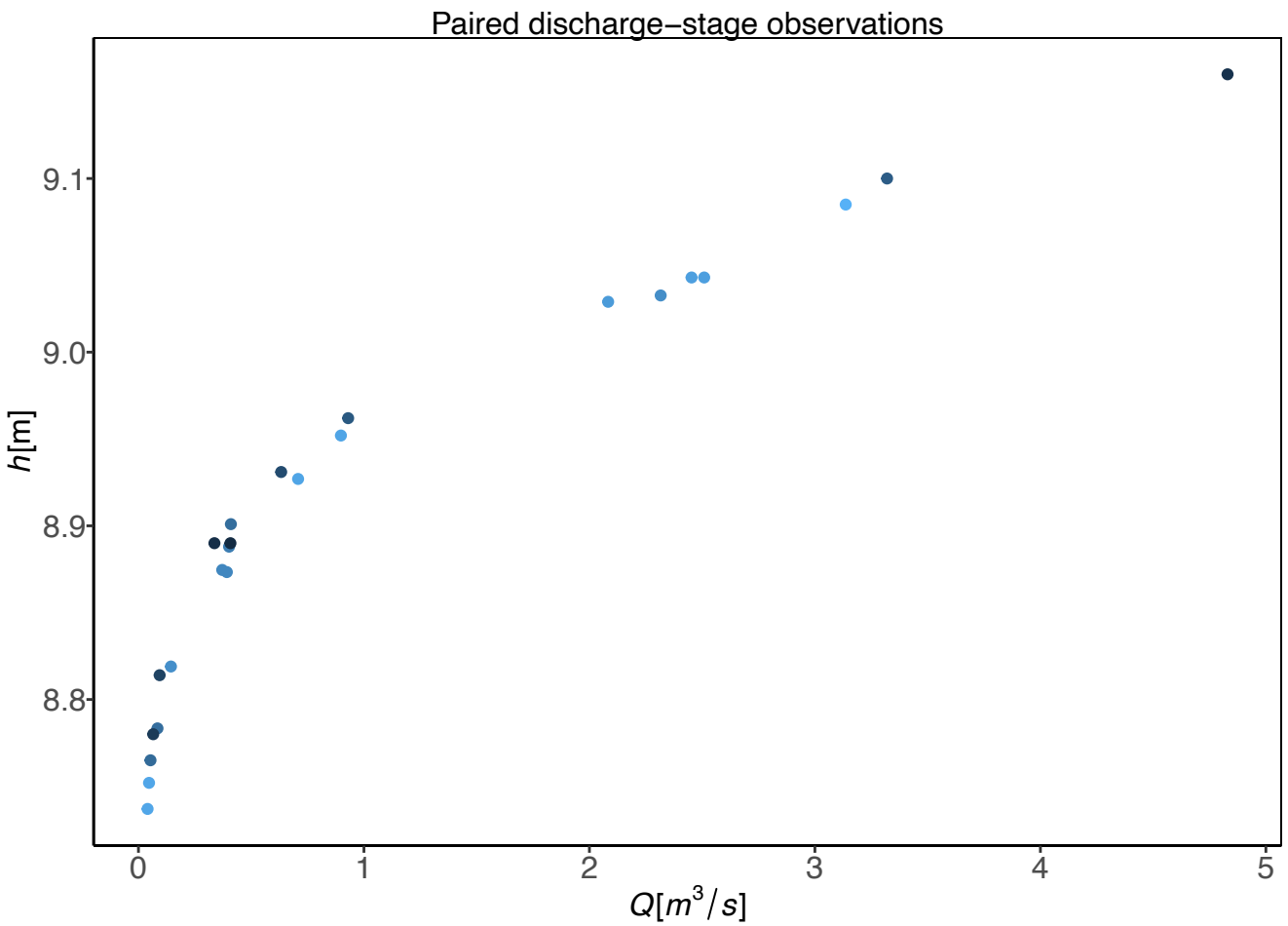
Power−law tournament results for Krokfors Kvarn, Sweden



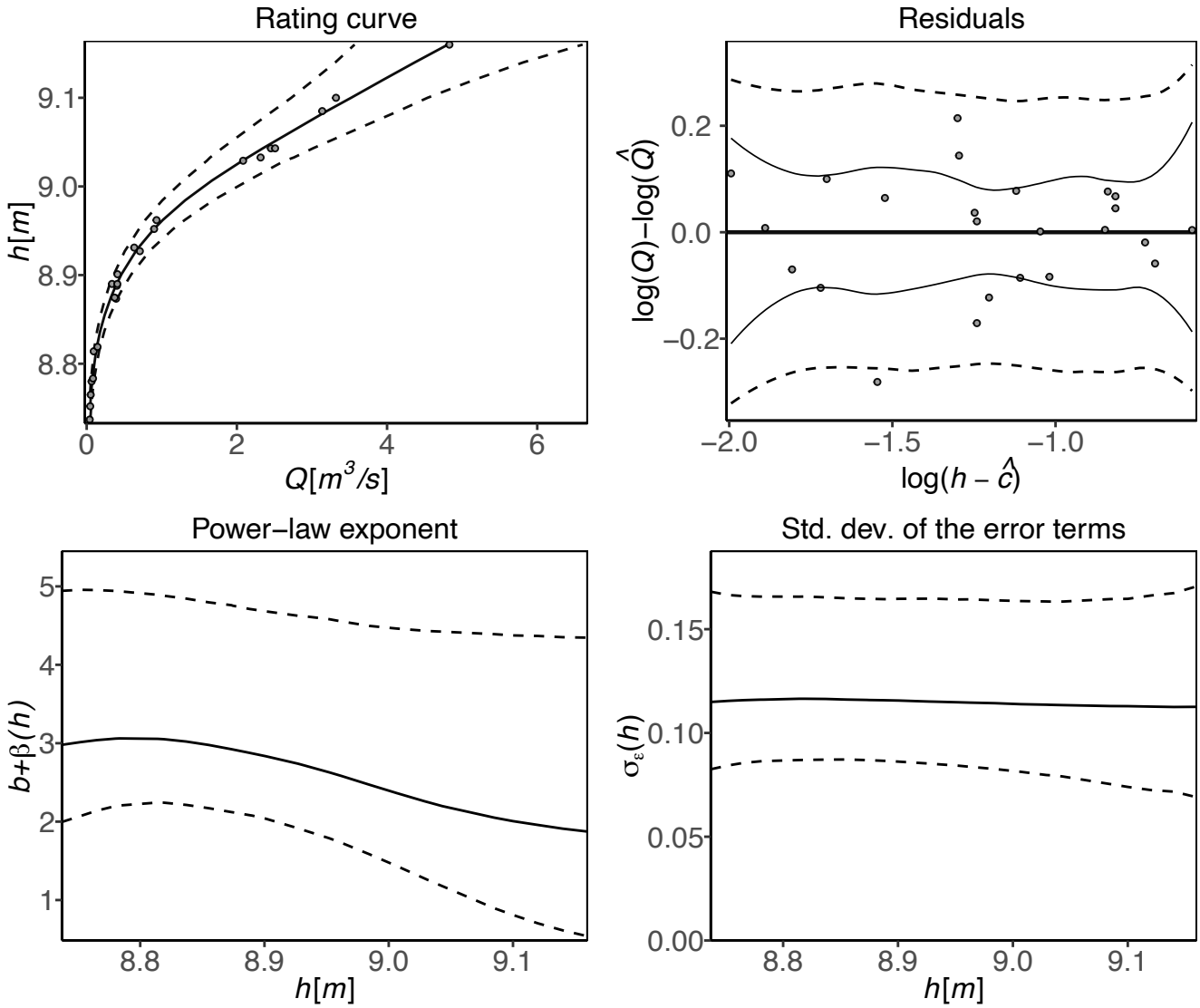
Station name:	Odensvibron 2
Location:	Sweden
Station number:	2221
Number of observations:	24
Start date:	1986–03–05
End date:	2019–03–21
Max. discharge (m^3/s):	4.8
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.73
GPLM0	2.00	0.27
PLM	19.33	0.00
PLM0	19.56	0.00



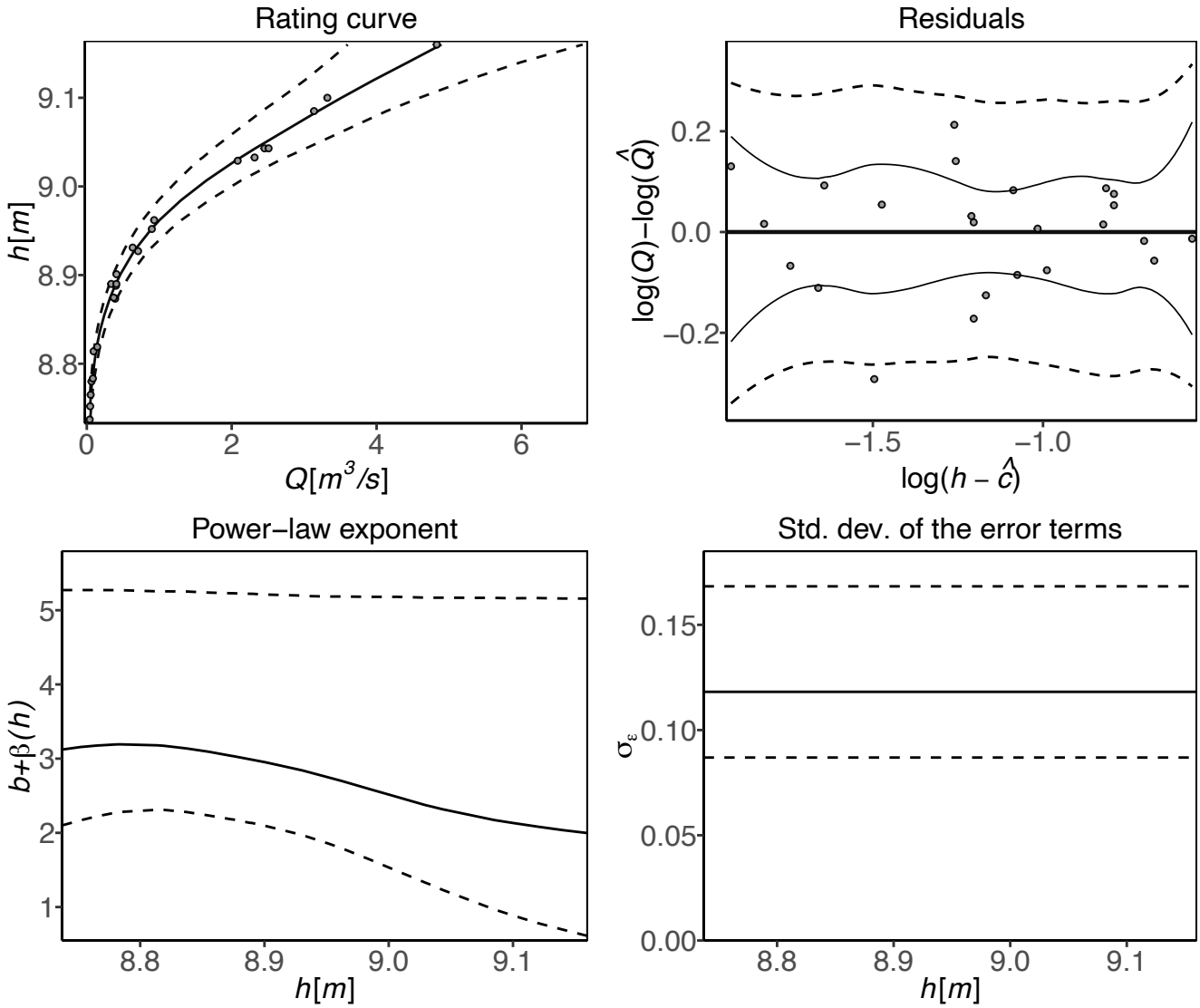


Odensvibron 2, Sweden – GPLM



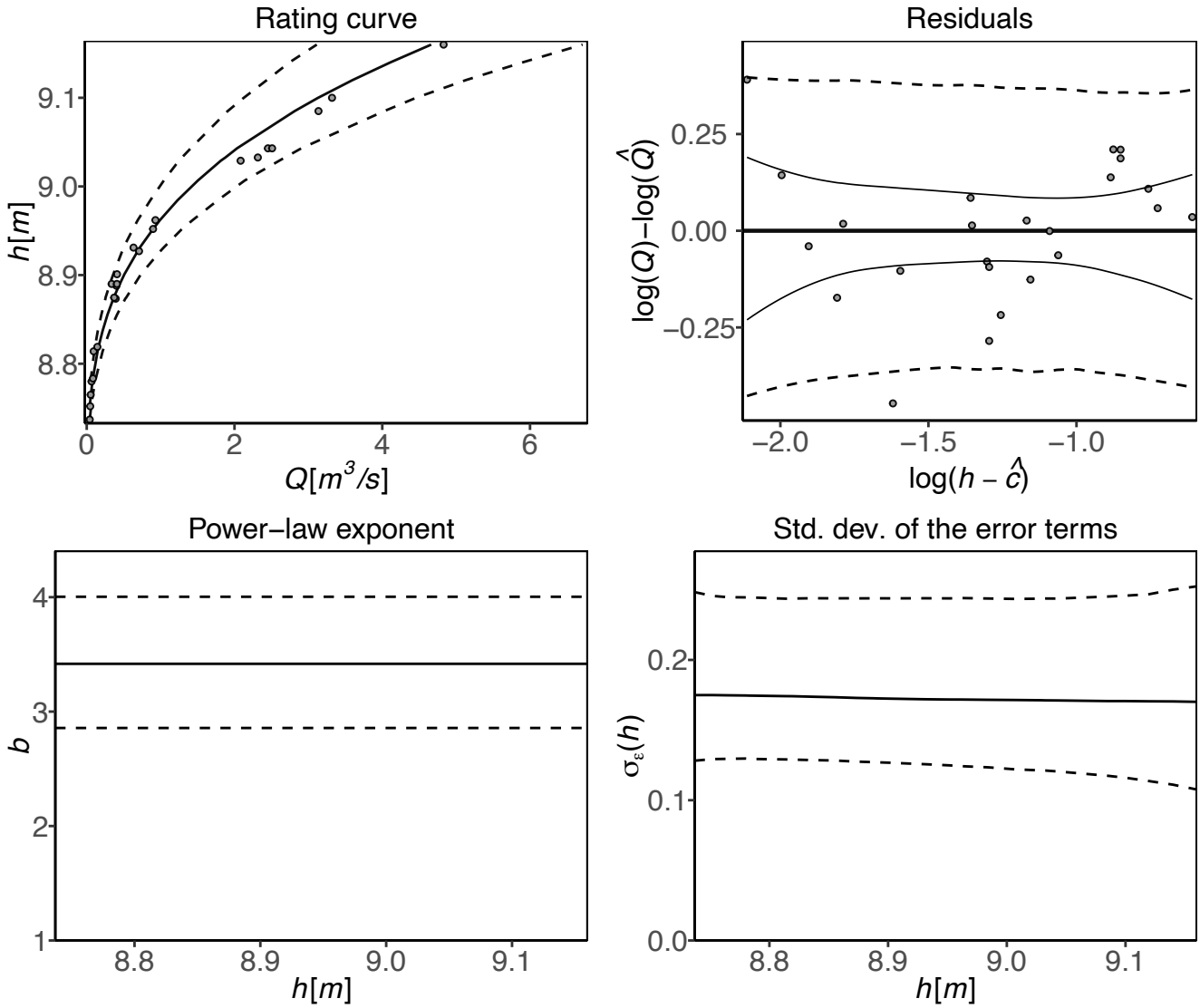
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.19	[5.88; 45.60]	2733	1.01
b	1.84	[1.83; 1.84]	10305	1.00
c	8.60	[8.44; 8.69]	1775	1.00
σ_β	0.71	[0.32; 1.50]	2099	1.00
ϕ_β	0.32	[0.14; 1.86]	1038	1.02
σ_η	0.09	[0.00; 0.49]	1623	1.01
η_1	–4.33	[–4.99; –3.57]	1814	1.00
η_2	–4.14	[–5.99; –2.29]	2184	1.00
η_3	–4.20	[–6.78; –1.59]	2505	1.00
η_4	–4.45	[–7.55; –1.17]	2329	1.00
η_5	–4.57	[–8.13; –0.78]	2321	1.00
η_6	–4.61	[–8.59; –0.28]	2455	1.00

Odensvibron 2, Sweden – GPLM0



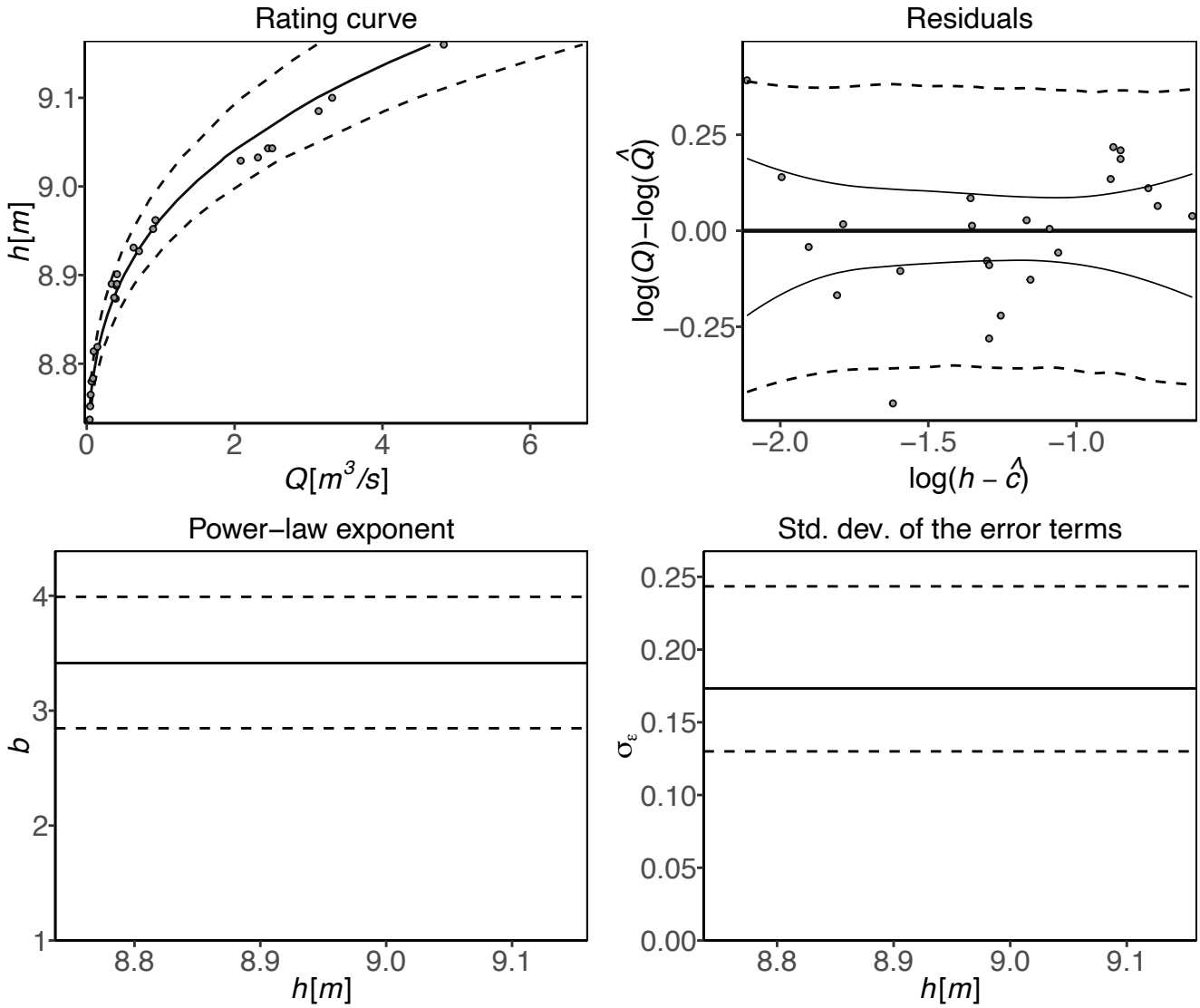
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	15.33	[6.19; 52.51]	1373	1.04
b	1.84	[1.83; 1.84]	11436	1.00
c	8.59	[8.45; 8.68]	2885	1.01
σ_ε	0.12	[0.09; 0.17]	2518	1.01
σ_β	0.87	[0.57; 1.27]	2567	1.01
ϕ_β	0.34	[0.15; 158.64]	756	1.09

Odensvibron 2, Sweden – PLM



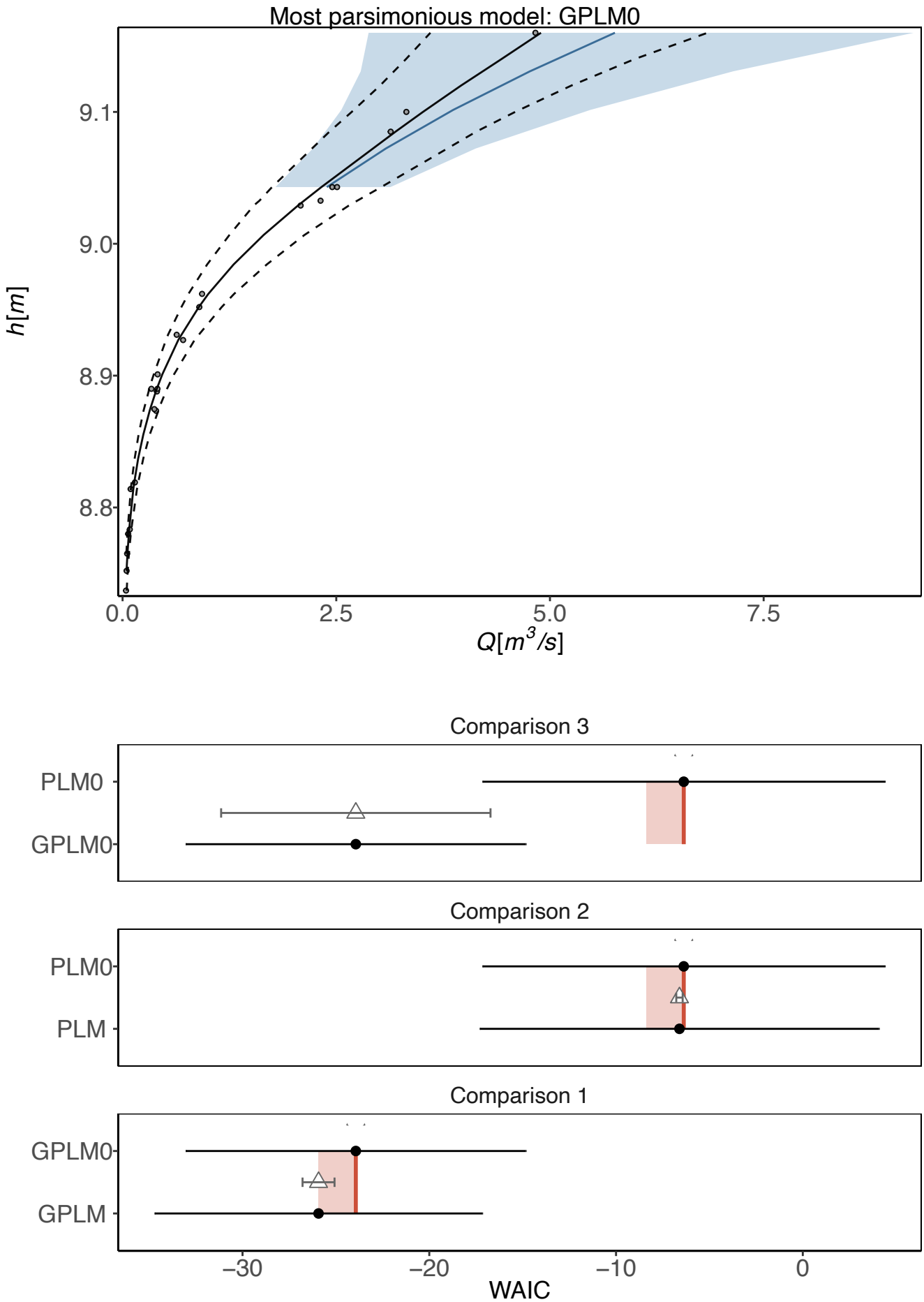
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	37.24	[26.67; 47.80]	5084	1.00
b	3.42	[2.86; 4.00]	2866	1.00
c	8.62	[8.57; 8.65]	2619	1.00
σ_η	0.08	[0.00; 0.41]	1852	1.00
η_1	–3.49	[–4.11; –2.79]	2720	1.00
η_2	–3.48	[–5.45; –1.55]	2740	1.00
η_3	–3.66	[–6.25; –0.98]	2745	1.00
η_4	–3.77	[–6.93; –0.45]	2855	1.00
η_5	–3.85	[–7.47; 0.02]	2882	1.00
η_6	–3.87	[–8.06; 0.36]	3226	1.00

Odensvibron 2, Sweden – PLM0



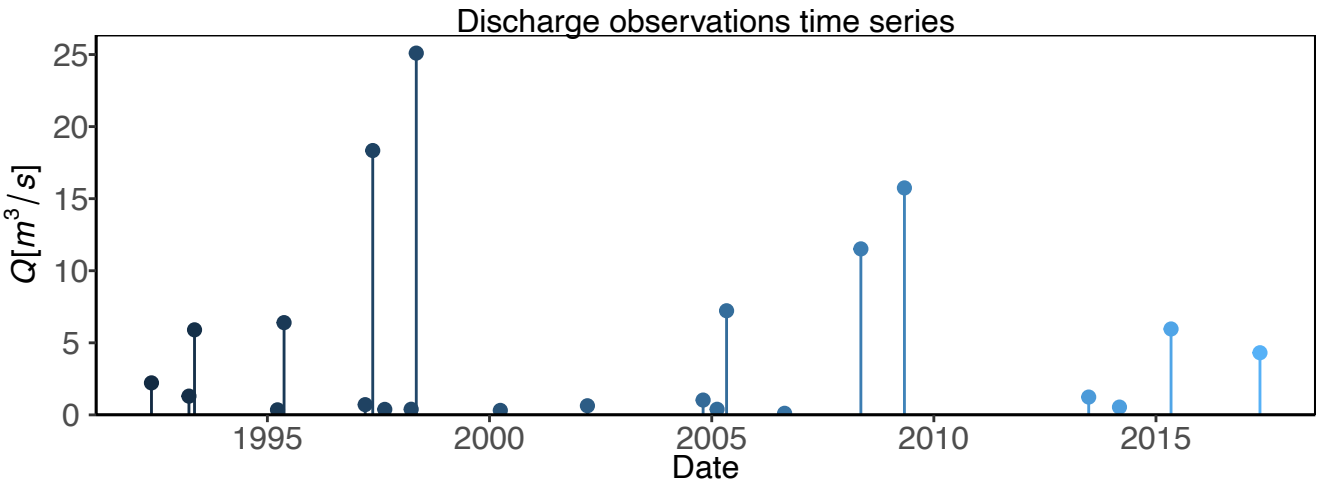
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	36.91	[26.80; 47.82]	11735	1.00
b	3.41	[2.85; 3.99]	9406	1.00
c	8.62	[8.58; 8.65]	8706	1.00
σ_ε	0.17	[0.13; 0.24]	8555	1.00

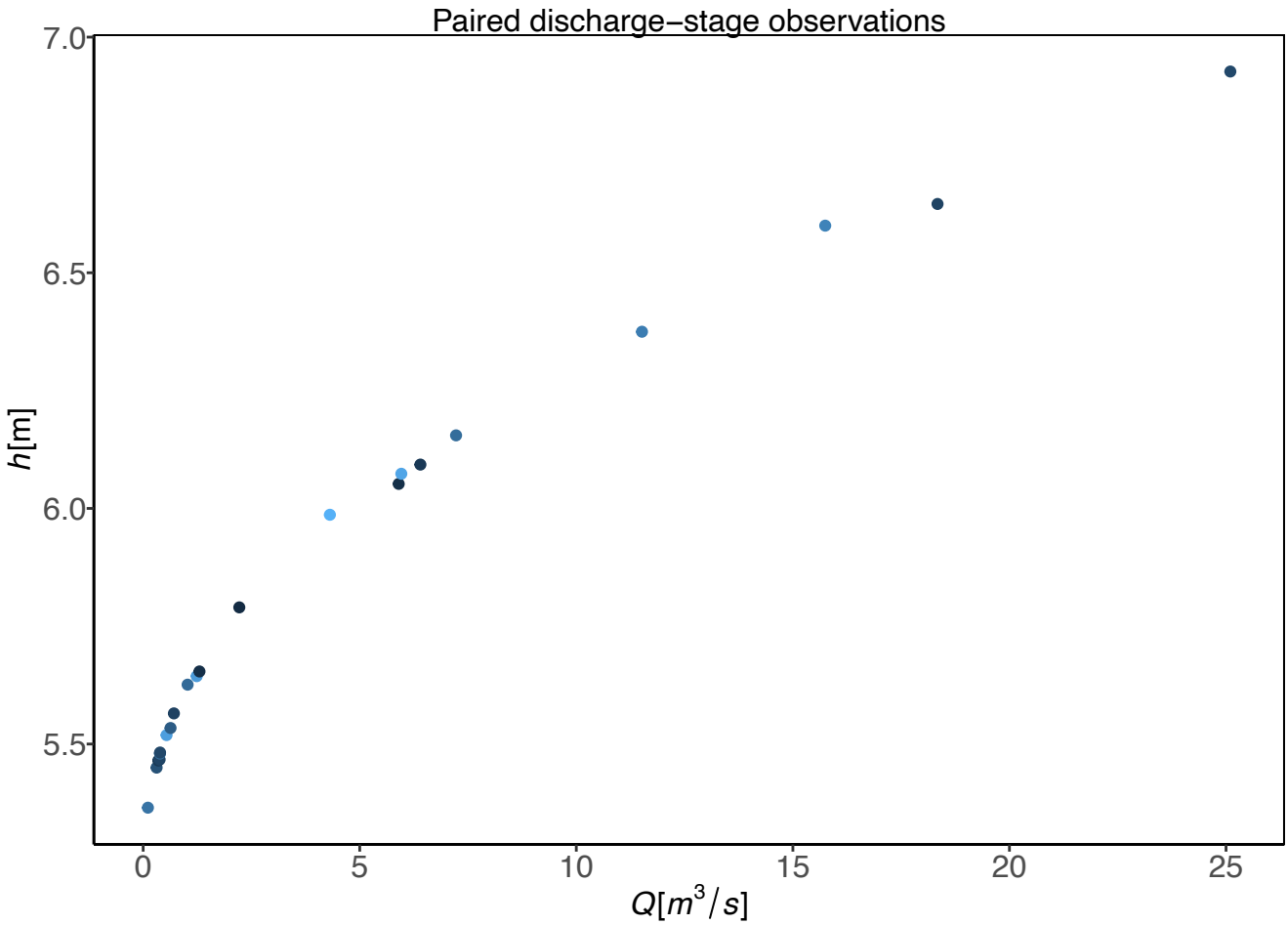
Power–law tournament results for Odensvibron 2, Sweden



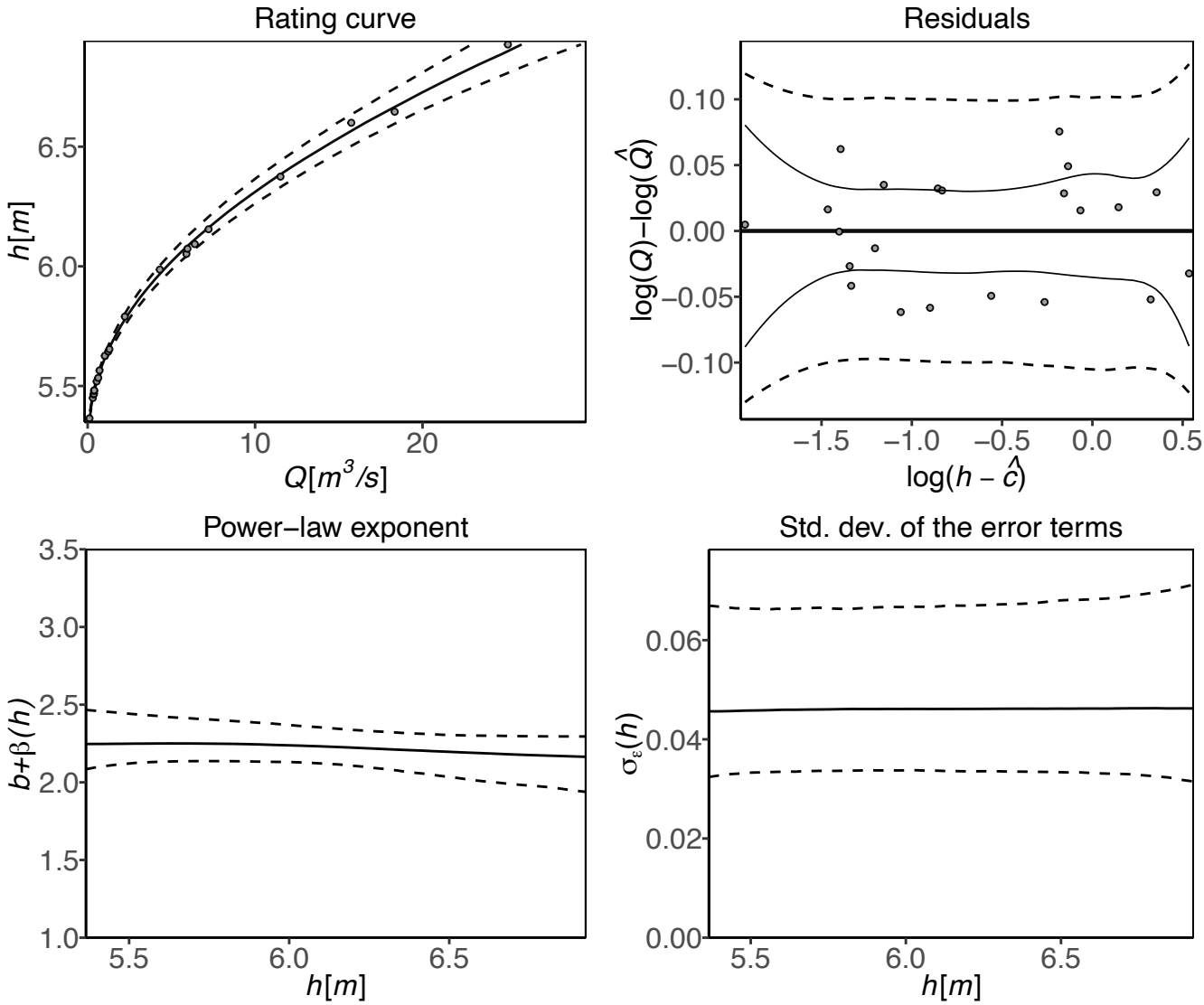
Station name:	Ostvik
Location:	Sweden
Station number:	2234
Number of observations:	22
Start date:	1992–05–23
End date:	2017–05–05
Max. discharge (m^3/s):	25.1
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.29	0.33
GPLM0	0.00	0.38
PLM	1.93	0.15
PLM0	2.04	0.14



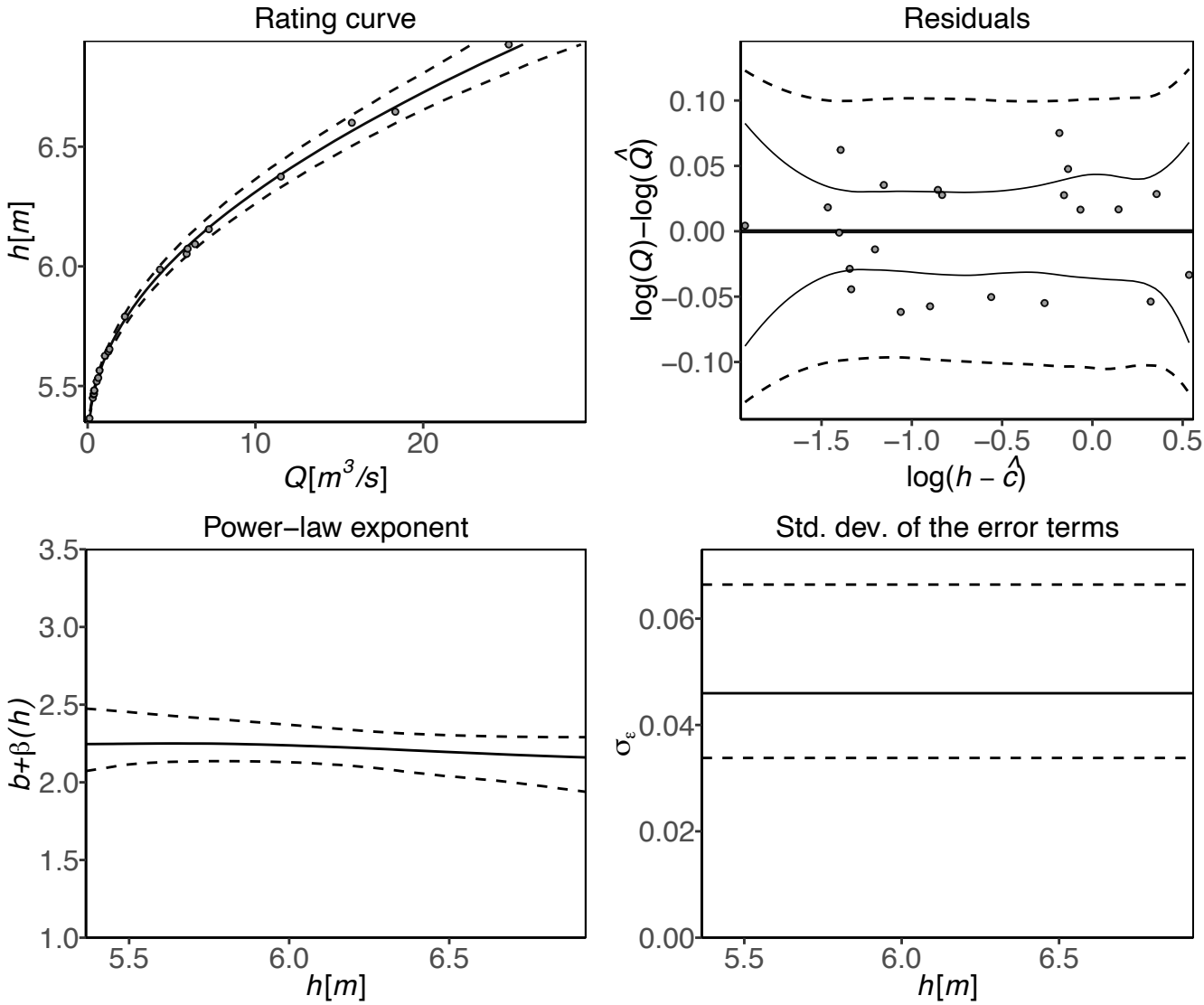


Ostvik, Sweden – GPLM



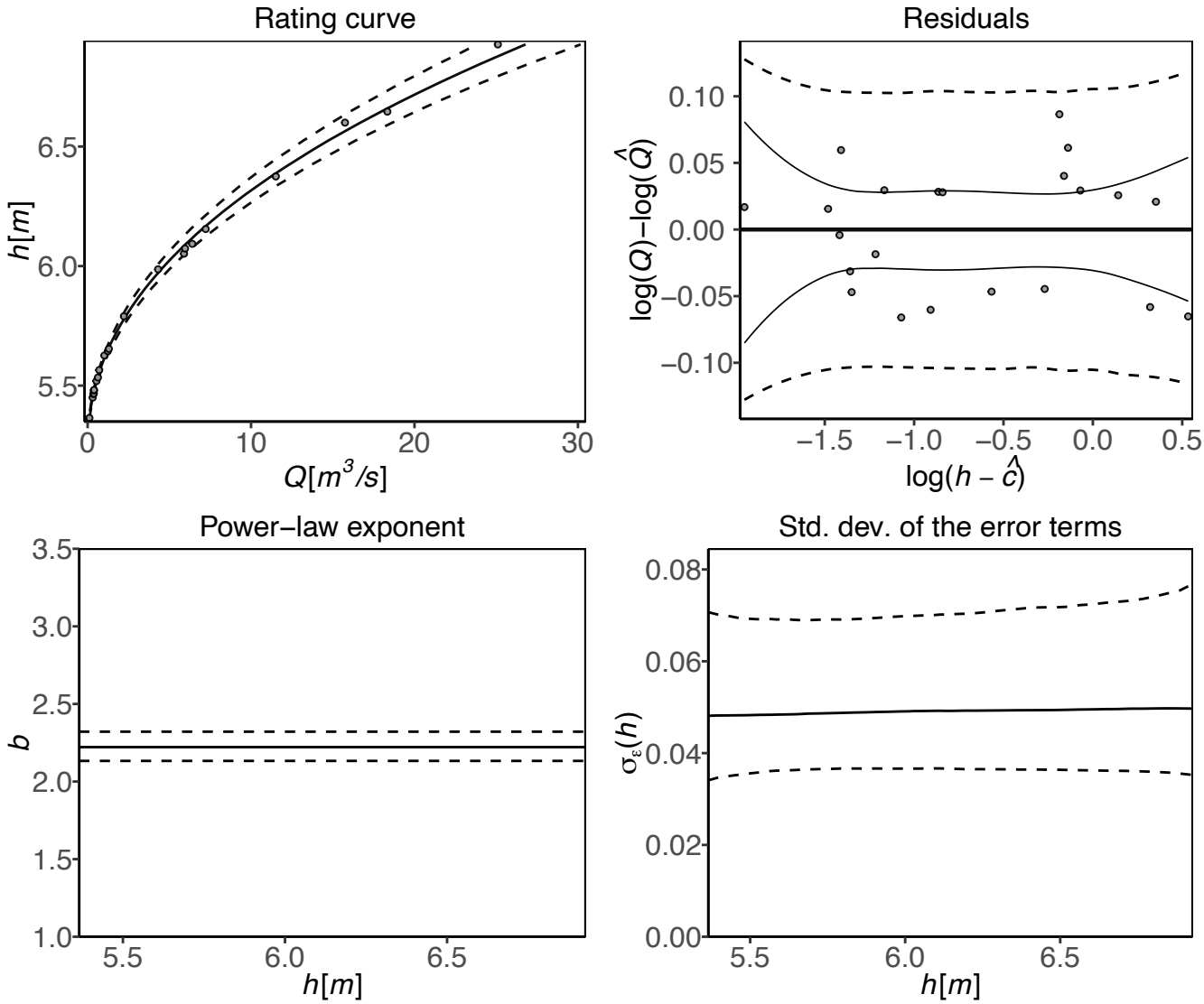
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	8.19	[7.65; 8.88]	2066	1.00
b	1.84	[1.83; 1.84]	9612	1.00
c	5.22	[5.18; 5.25]	1619	1.00
σ_β	0.32	[0.15; 0.78]	2377	1.00
ϕ_β	6.17	[0.81; 27892.03]	805	1.03
σ_η	0.08	[0.00; 0.39]	1719	1.01
η_1	–6.17	[–6.86; –5.41]	1982	1.00
η_2	–6.09	[–8.05; –4.18]	2380	1.00
η_3	–5.98	[–8.65; –3.37]	2194	1.00
η_4	–5.99	[–9.22; –2.66]	2189	1.00
η_5	–6.00	[–9.79; –2.21]	2175	1.00
η_6	–5.95	[–10.22; –1.71]	2479	1.00

Ostvik, Sweden – GPLM0



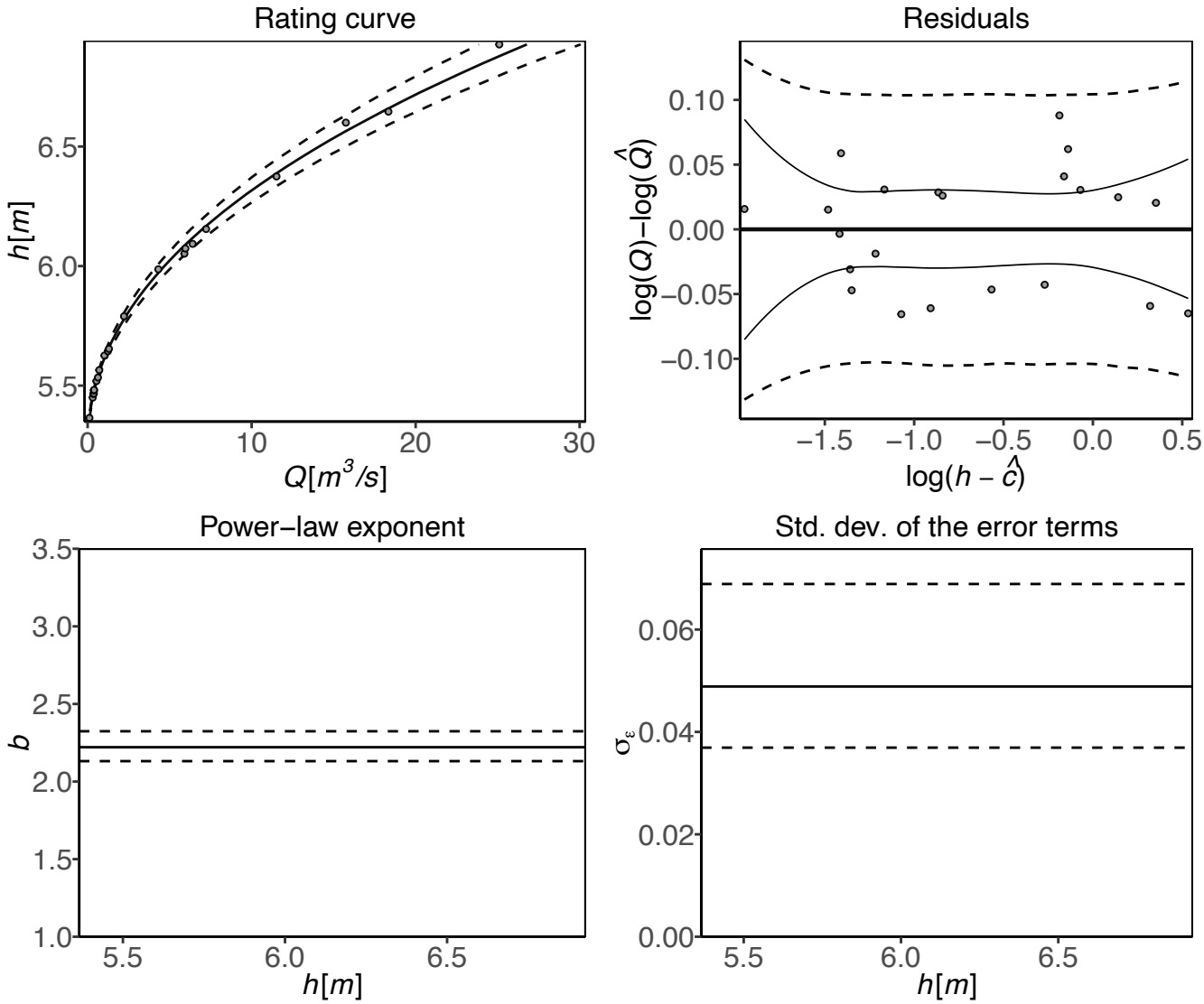
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	8.20	[7.62; 8.92]	3585	1.00
b	1.84	[1.83; 1.84]	11527	1.00
c	5.22	[5.18; 5.25]	2890	1.00
σ_ε	0.05	[0.03; 0.07]	4287	1.00
σ_β	0.57	[0.39; 0.91]	5229	1.00
ϕ_β	5.70	[0.81; 2611.51]	1136	1.01

Ostvik, Sweden – PLM



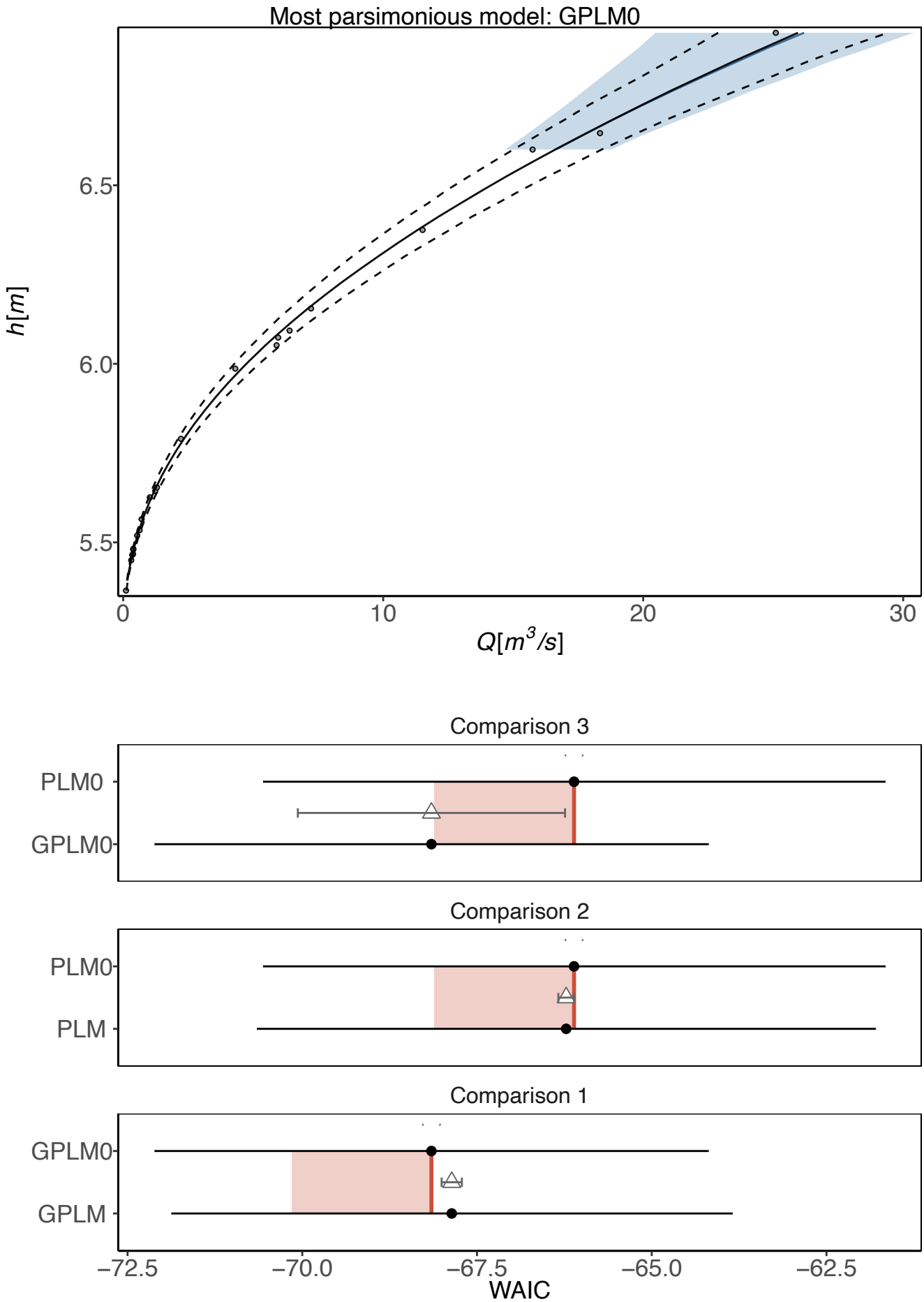
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	8.19	[7.77; 8.58]	3602	1.00
b	2.22	[2.13; 2.32]	2760	1.00
c	5.22	[5.20; 5.24]	2535	1.00
σ_η	0.08	[0.00; 0.42]	1478	1.00
η_1	–6.07	[–6.76; –5.30]	2245	1.00
η_2	–5.98	[–7.93; –4.07]	2719	1.00
η_3	–5.86	[–8.47; –3.24]	2785	1.00
η_4	–5.78	[–9.00; –2.71]	3008	1.00
η_5	–5.71	[–9.33; –2.12]	2927	1.00
η_6	–5.65	[–9.83; –1.65]	2789	1.00

Ostvik, Sweden – PLM0



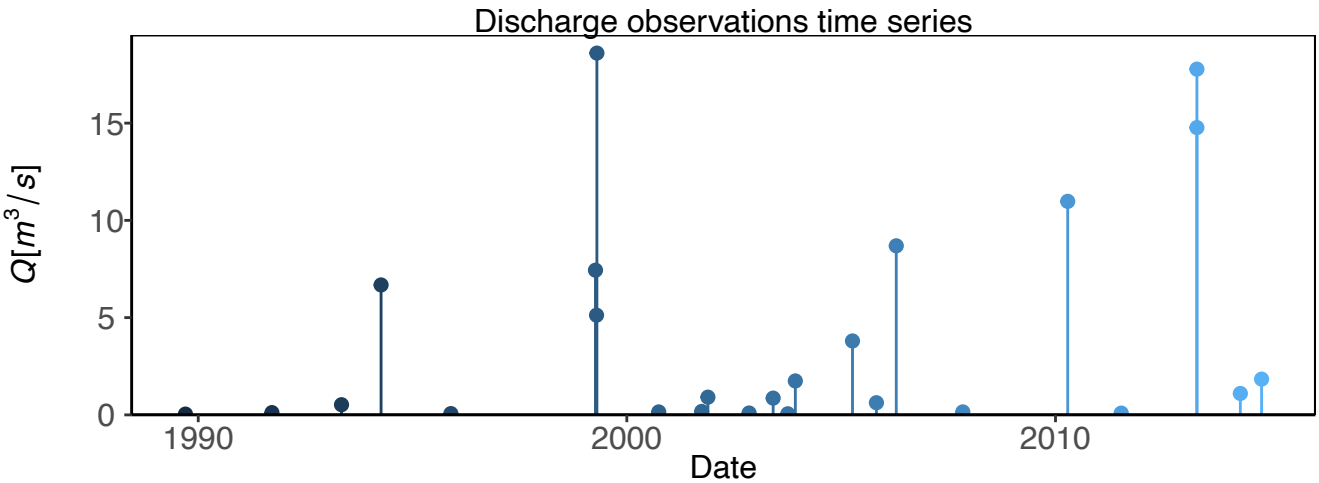
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	8.19	[7.76; 8.59]	8798	1.00
b	2.22	[2.13; 2.32]	8249	1.00
c	5.22	[5.20; 5.24]	7684	1.00
σ_ε	0.05	[0.04; 0.07]	8569	1.00

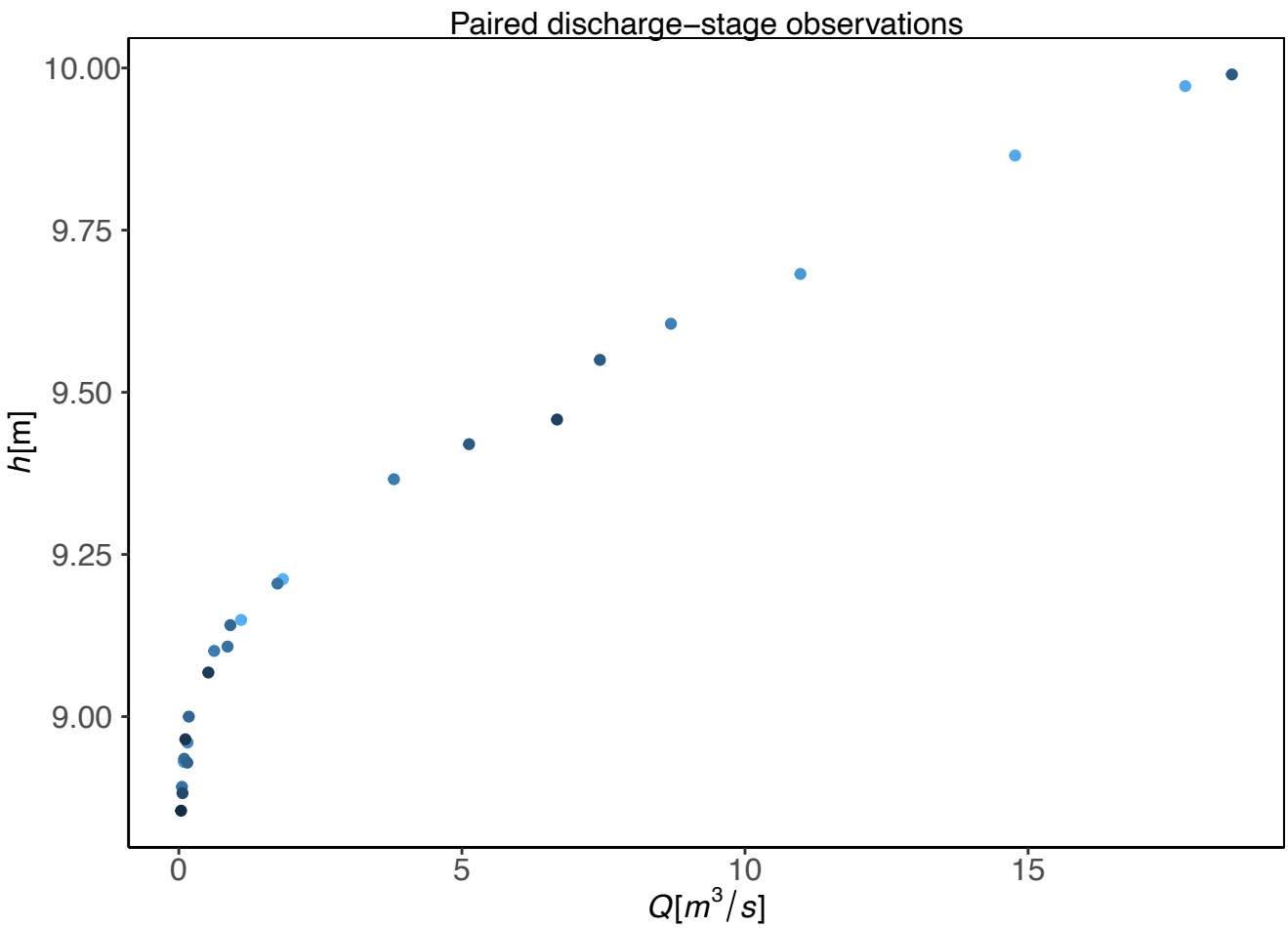
Power−law tournament results for Ostvik, Sweden



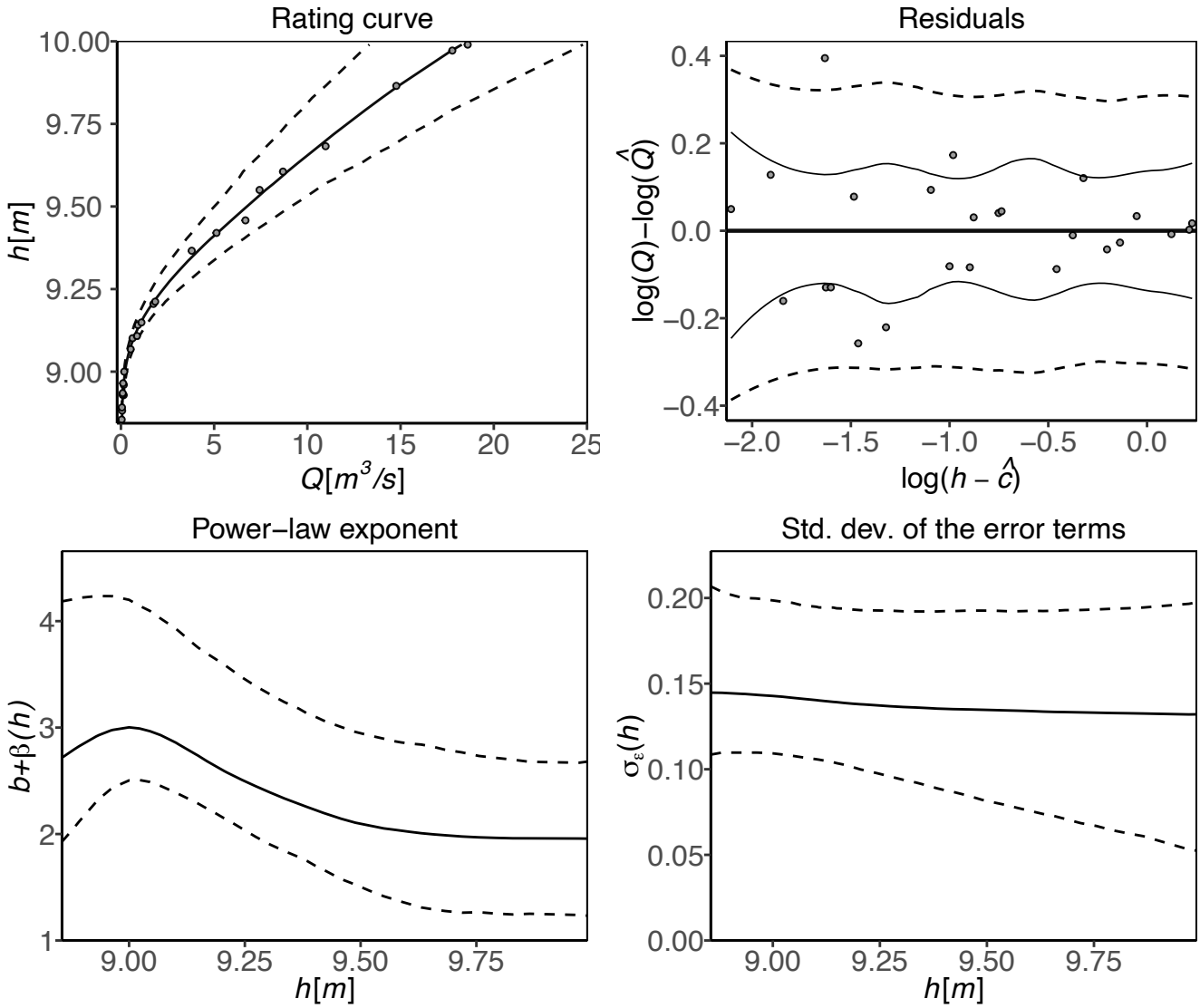
Station name:	Ransta
Location:	Sweden
Station number:	2247
Number of observations:	25
Start date:	1989–09–14
End date:	2014–10–23
Max. discharge (m^3/s):	18.6
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.65
GPLM0	1.25	0.35
PLM	21.08	0.00
PLM0	21.14	0.00



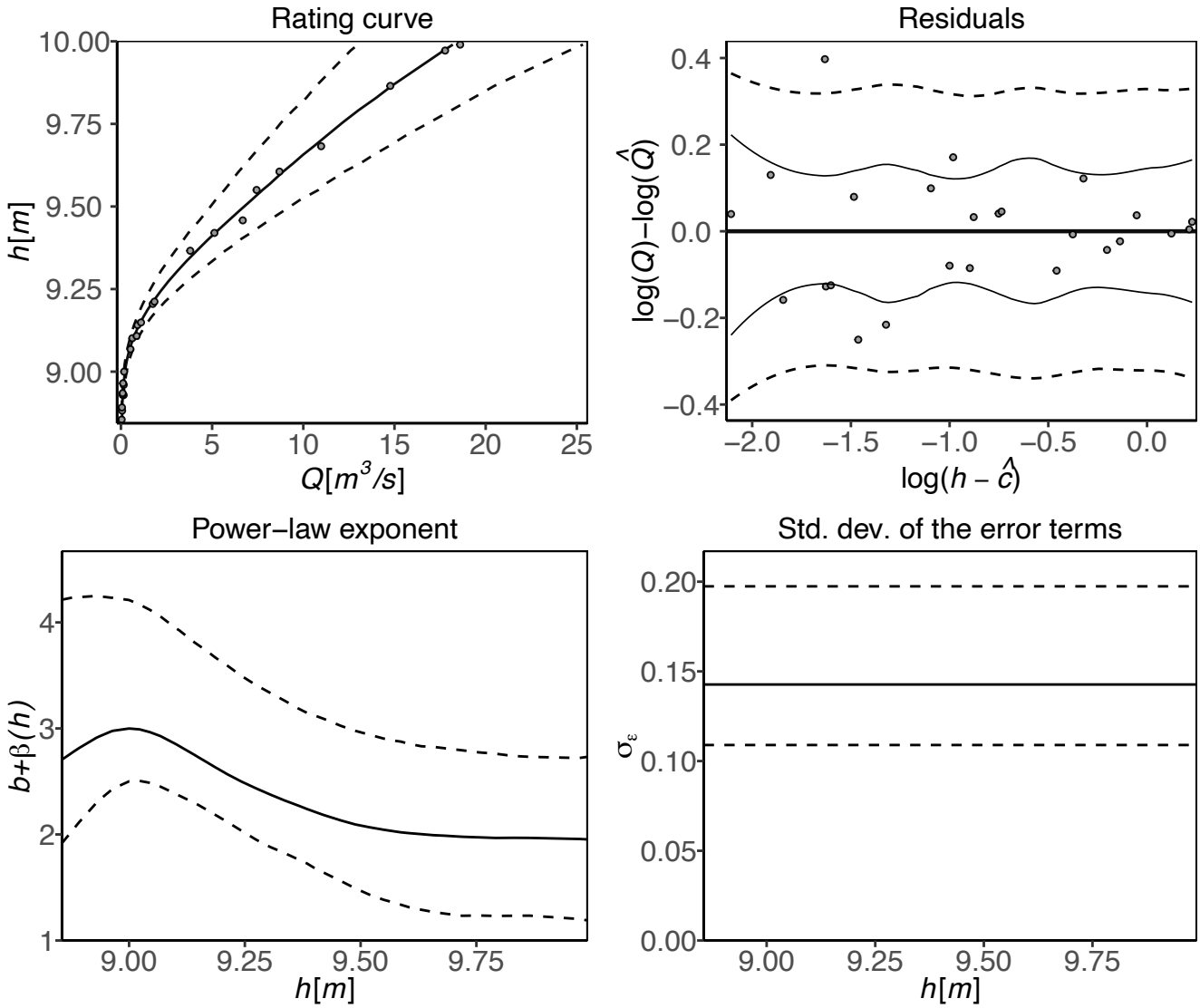


Ransta, Sweden – GPLM



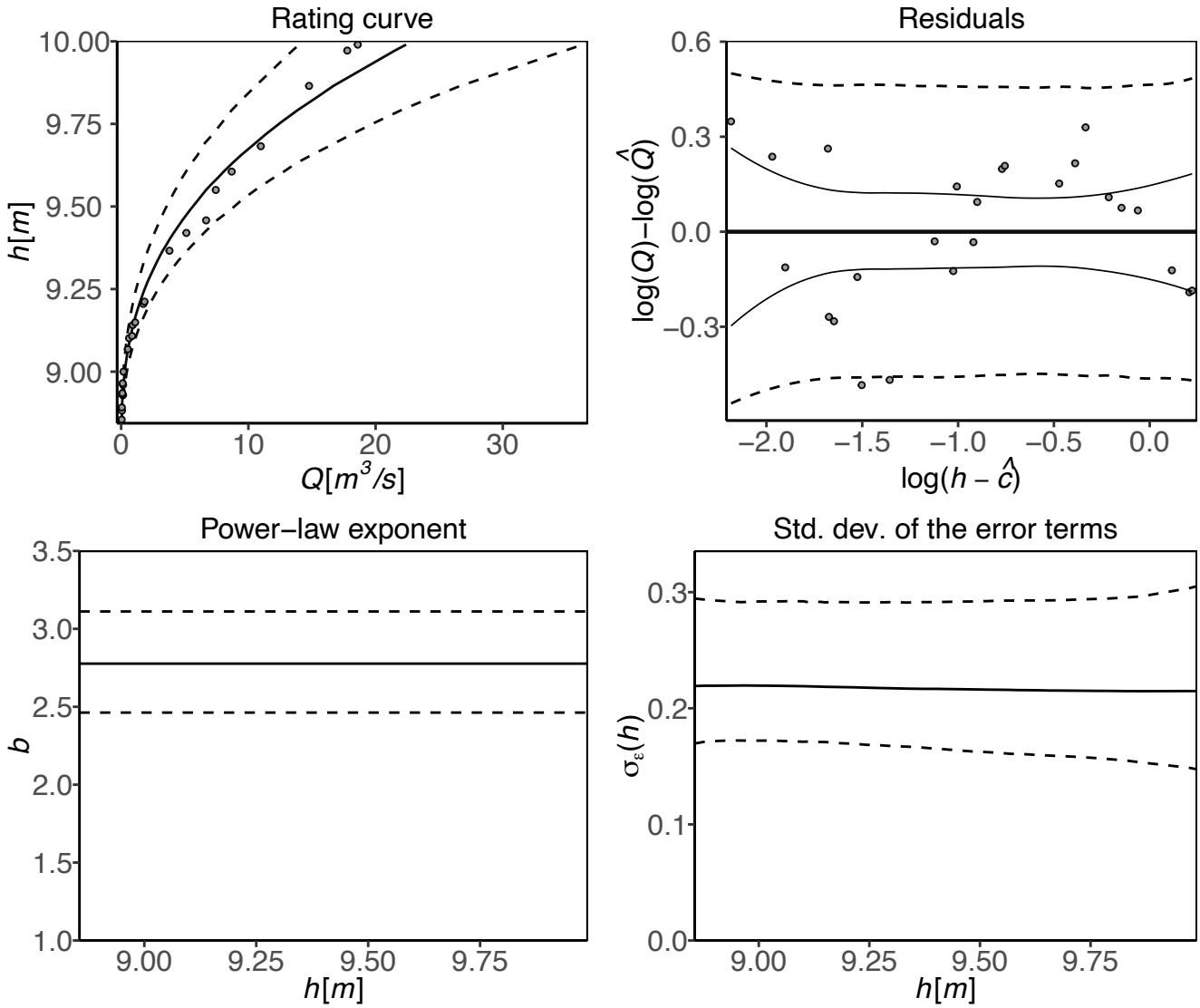
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.64	[8.26; 14.20]	2996	1.00
b	1.84	[1.83; 1.84]	9668	1.00
c	8.73	[8.58; 8.81]	2227	1.00
σ_β	0.59	[0.29; 1.21]	2247	1.00
ϕ_β	0.36	[0.17; 0.99]	1652	1.00
σ_η	0.11	[0.00; 0.62]	1579	1.01
η_1	–3.87	[–4.44; –3.15]	1947	1.00
η_2	–3.93	[–5.71; –2.07]	2158	1.00
η_3	–4.33	[–6.85; –1.66]	2420	1.00
η_4	–4.69	[–7.83; –1.09]	2229	1.00
η_5	–4.88	[–8.65; –0.73]	2303	1.00
η_6	–4.98	[–9.28; –0.42]	2221	1.00

Ransta, Sweden – GPLM0



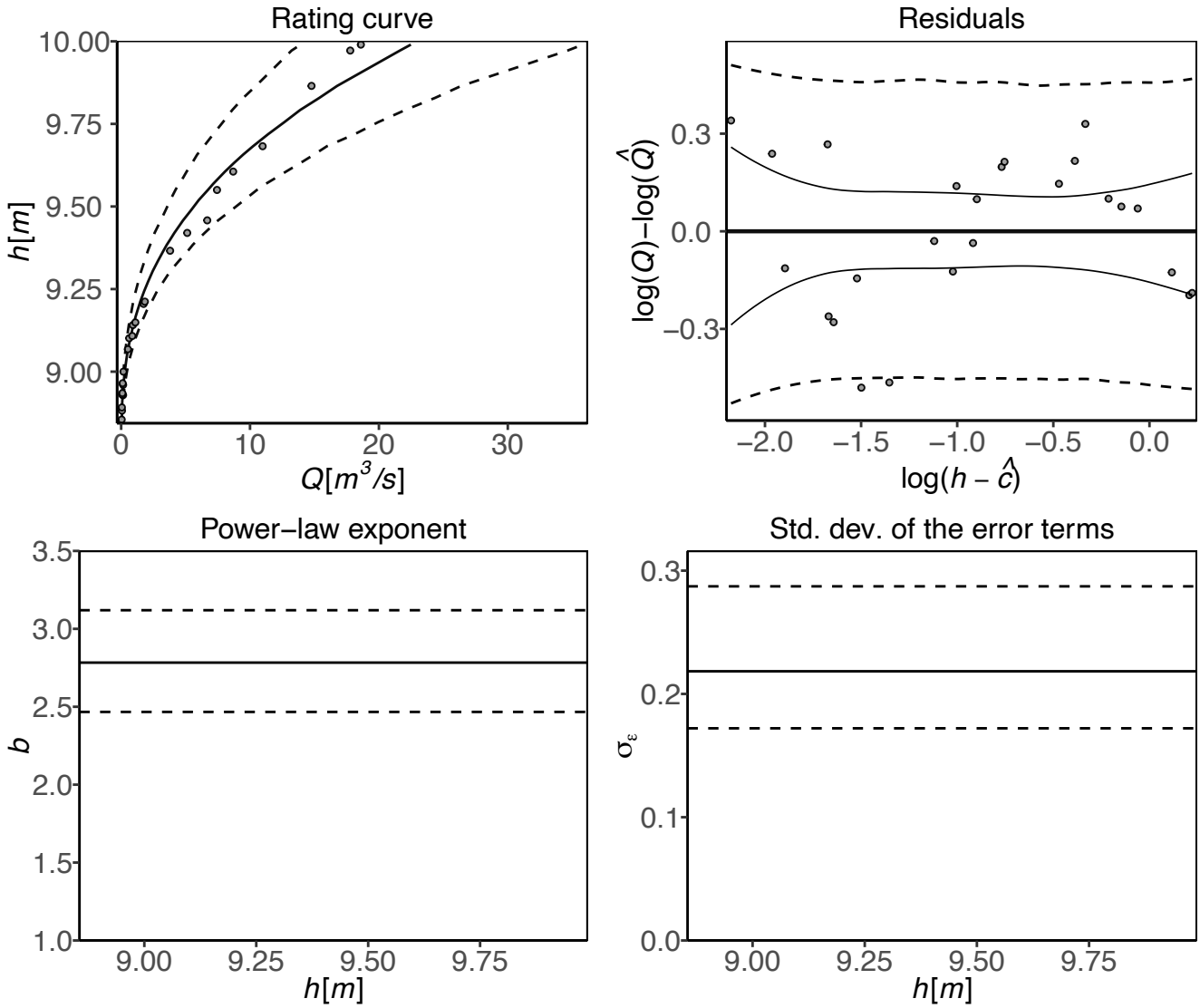
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.60	[8.21; 14.33]	7075	1.00
b	1.84	[1.83; 1.84]	12508	1.00
c	8.73	[8.58; 8.81]	5379	1.00
σ_ε	0.14	[0.11; 0.20]	4572	1.00
σ_β	0.77	[0.55; 1.11]	5497	1.00
ϕ_β	0.36	[0.17; 0.94]	3609	1.00

Ransta, Sweden – PLM



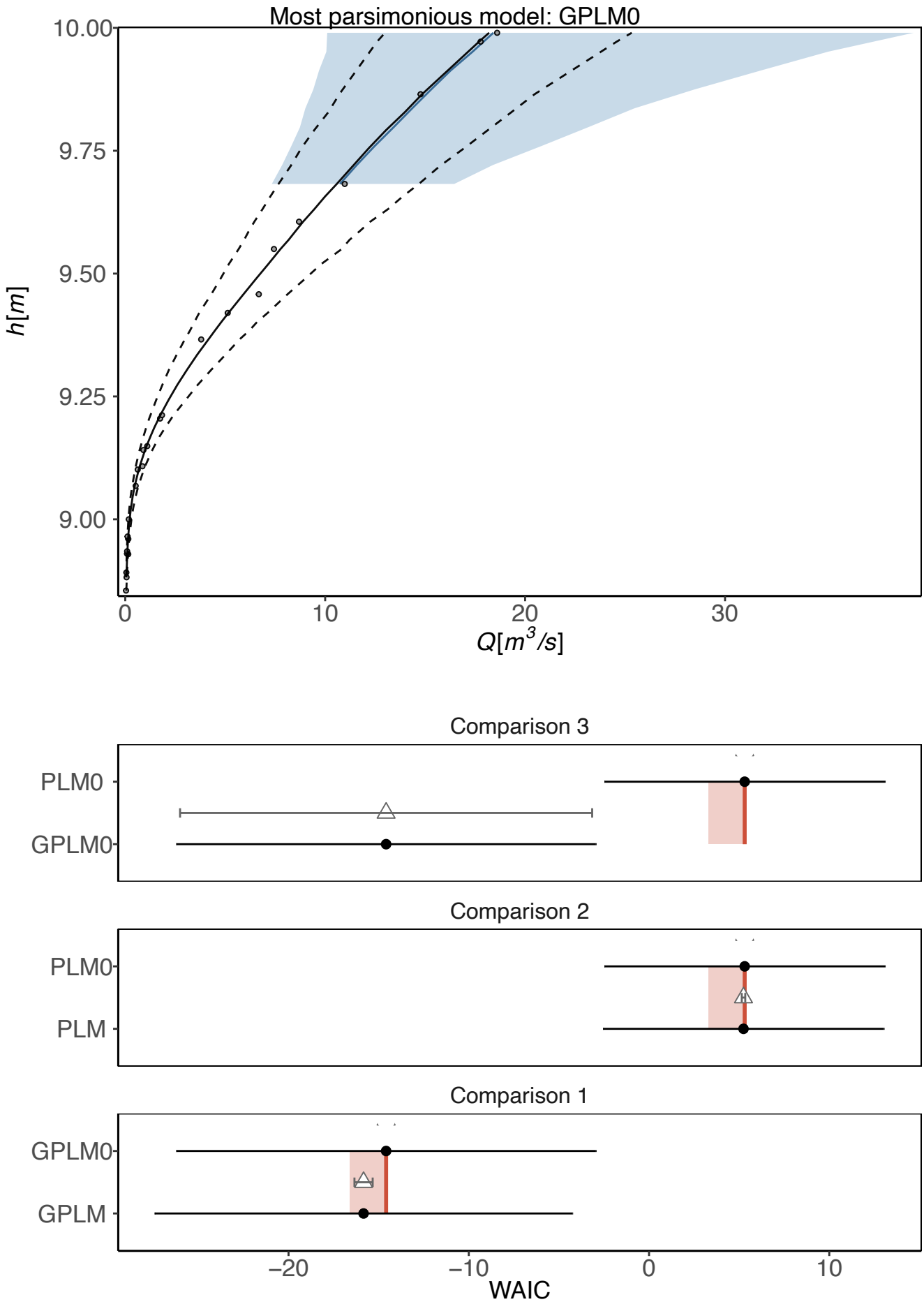
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	12.10	[10.27; 14.09]	7014	1.00
b	2.78	[2.46; 3.11]	2858	1.00
c	8.74	[8.70; 8.78]	2548	1.00
σ_η	0.08	[0.00; 0.43]	1706	1.00
η_1	–3.04	[–3.55; –2.44]	2486	1.00
η_2	–2.96	[–4.87; –1.09]	2998	1.00
η_3	–3.11	[–5.68; –0.56]	2895	1.00
η_4	–3.24	[–6.36; 0.03]	2752	1.00
η_5	–3.30	[–6.99; 0.61]	2858	1.00
η_6	–3.36	[–7.41; 0.98]	2777	1.00

Ransta, Sweden – PLM0



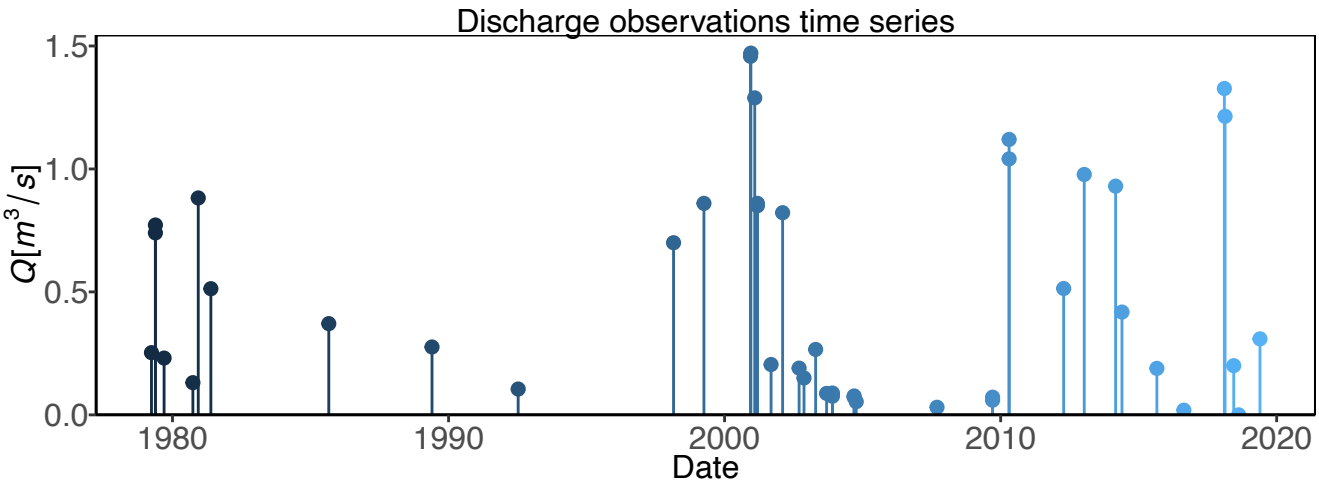
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	12.08	[10.27; 14.05]	13709	1.00
b	2.78	[2.47; 3.12]	10273	1.00
c	8.74	[8.70; 8.78]	9513	1.00
σ_ε	0.22	[0.17; 0.29]	9447	1.00

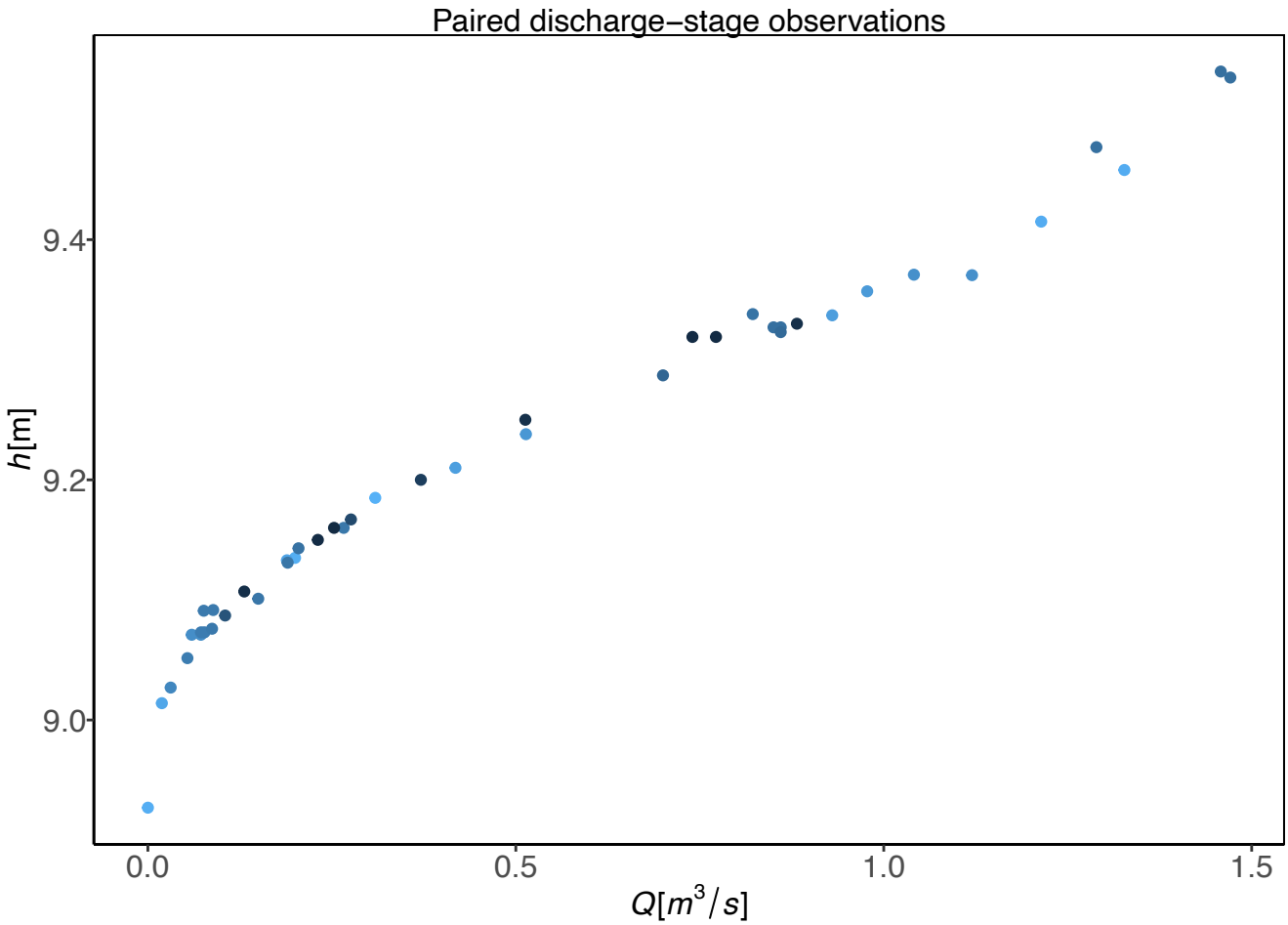
Power−law tournament results for Ransta, Sweden



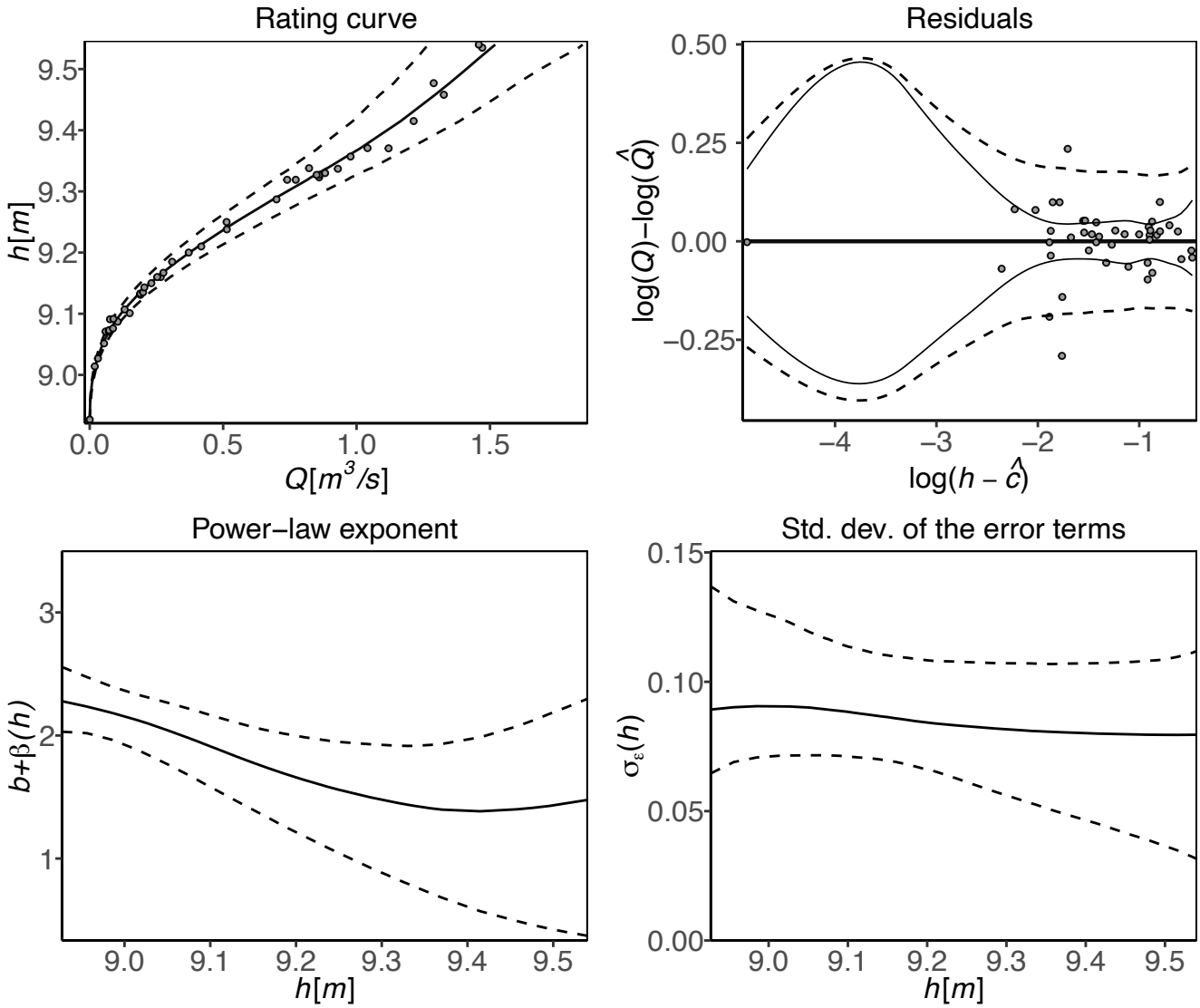
Station name:	Baggebol Nedre 3
Location:	Sweden
Station number:	2250
Number of observations:	44
Start date:	1979–03–29
End date:	2019–05–25
Max. discharge (m^3/s):	1.5
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.78
GPLM0	2.58	0.22
PLM	41.43	0.00
PLM0	48.07	0.00



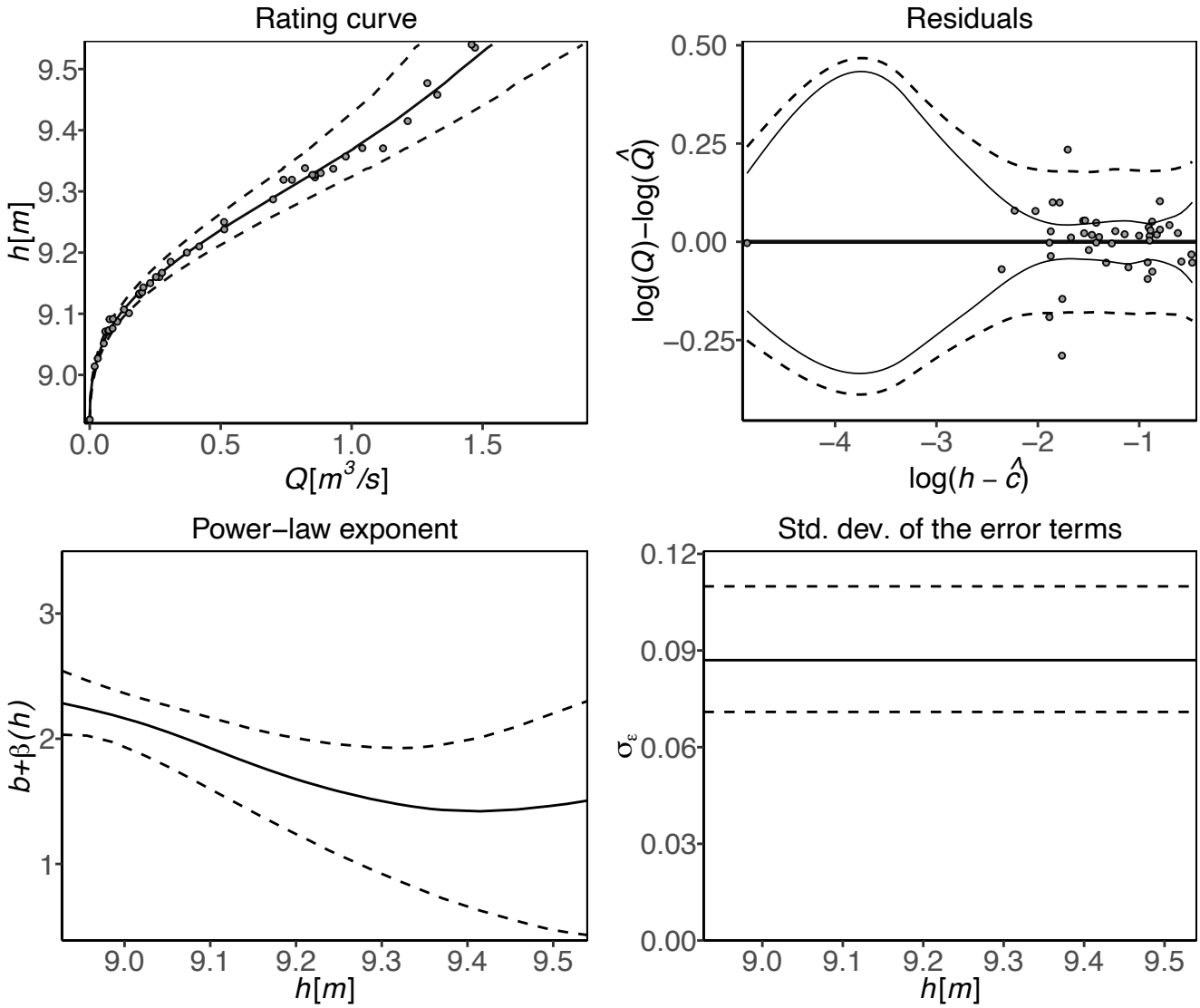


Baggebol Nedre 3, Sweden – GPLM



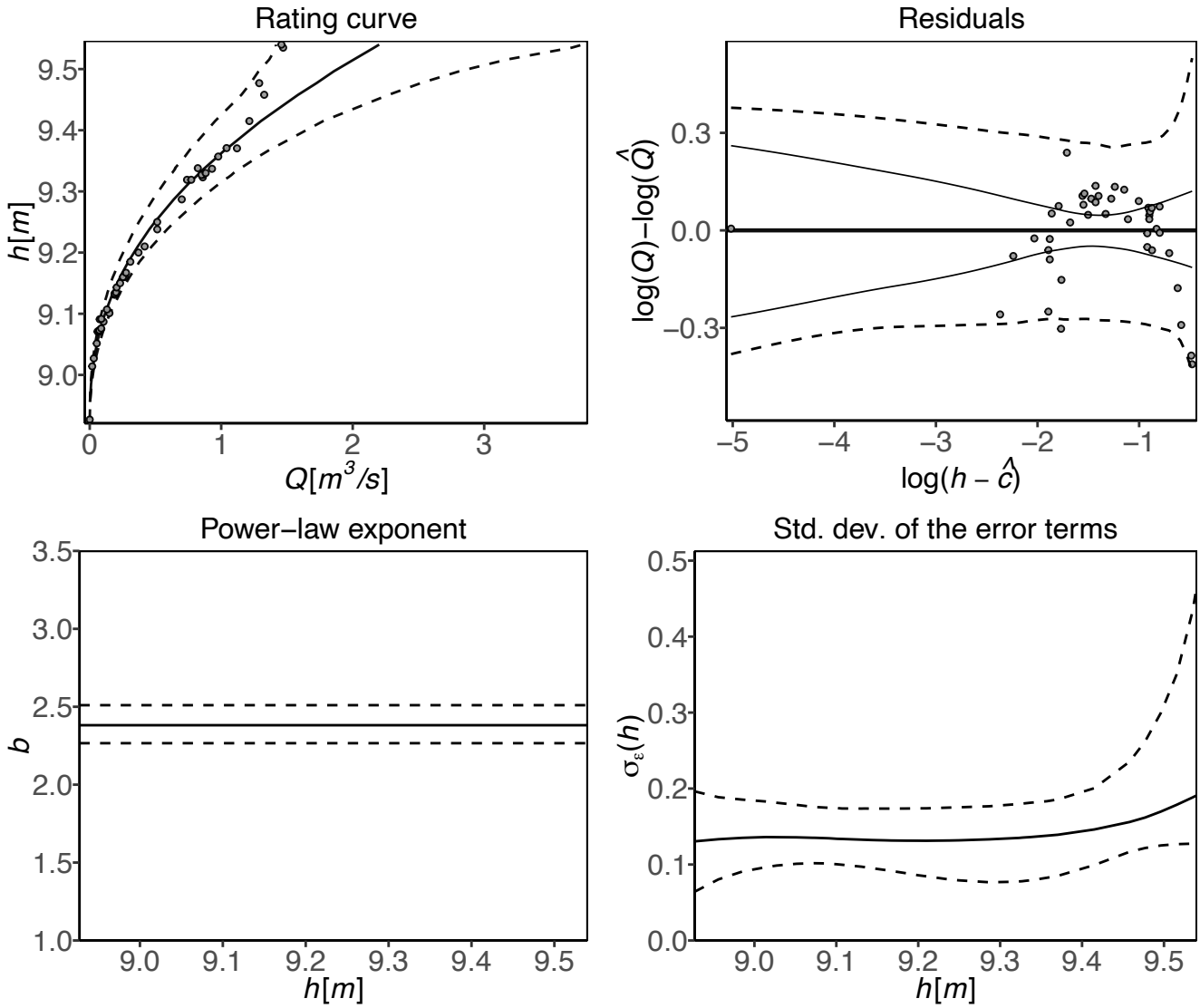
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.08	[1.76; 4.68]	5278	1.00
b	1.83	[1.83; 1.84]	8623	1.00
c	8.92	[8.91; 8.92]	1671	1.00
σ_β	0.50	[0.21; 1.16]	2389	1.00
ϕ_β	0.45	[0.20; 0.97]	2211	1.00
σ_η	0.14	[0.00; 0.73]	980	1.03
η_1	–4.83	[–5.48; –3.98]	2366	1.00
η_2	–4.58	[–6.43; –2.91]	1761	1.00
η_3	–5.04	[–7.31; –2.49]	1635	1.01
η_4	–5.76	[–8.62; –2.22]	1658	1.01
η_5	–6.00	[–9.34; –1.86]	1977	1.01
η_6	–6.13	[–10.04; –1.41]	2223	1.00

Baggebol Nedre 3, Sweden – GPLM0



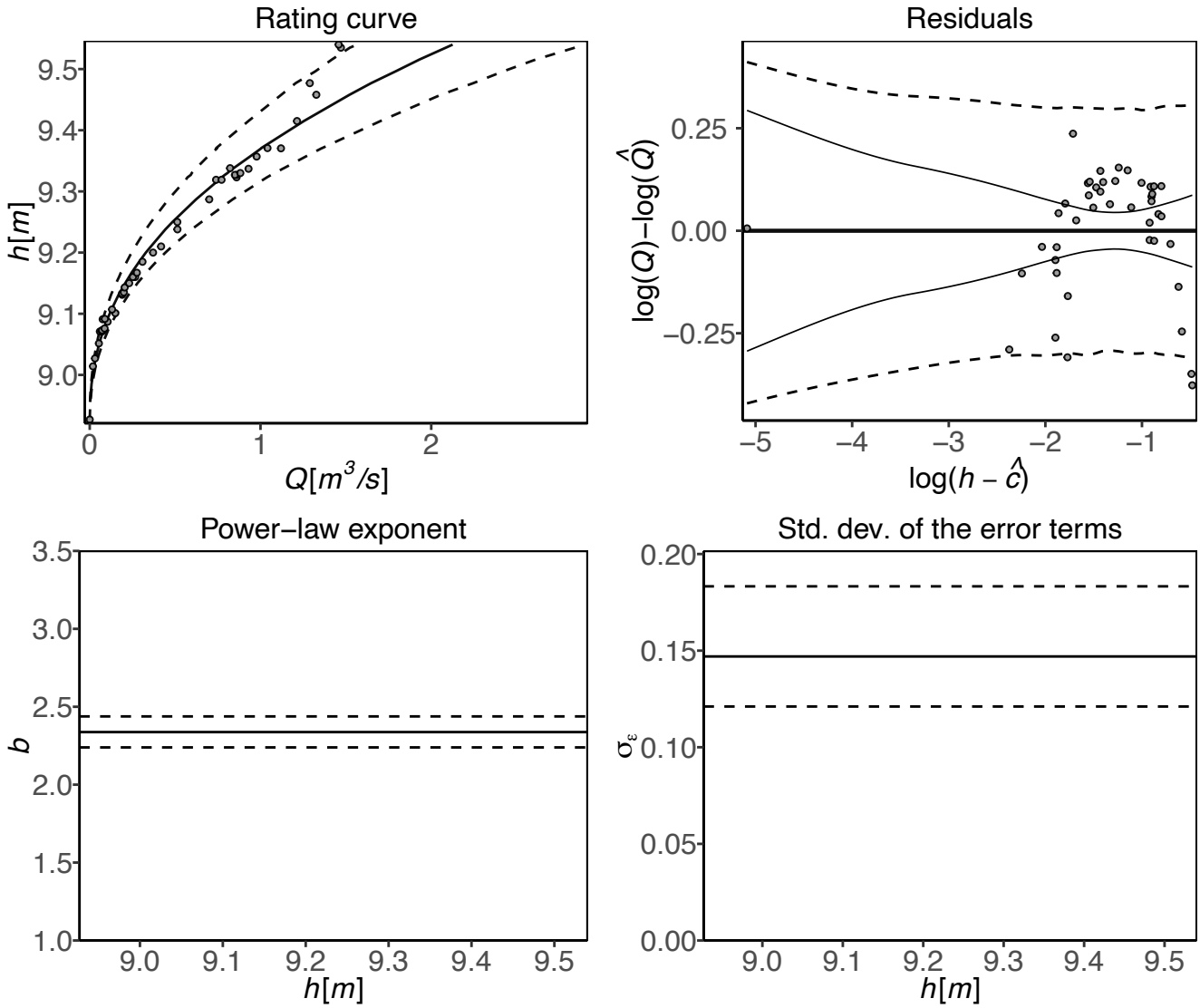
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.15	[1.81; 4.71]	8946	1.00
b	1.84	[1.83; 1.84]	13599	1.00
c	8.92	[8.92; 8.92]	4077	1.00
σ_ε	0.09	[0.07; 0.11]	5222	1.00
σ_β	0.70	[0.46; 1.08]	5707	1.00
ϕ_β	0.46	[0.20; 0.98]	4790	1.00

Baggebol Nedre 3, Sweden – PLM



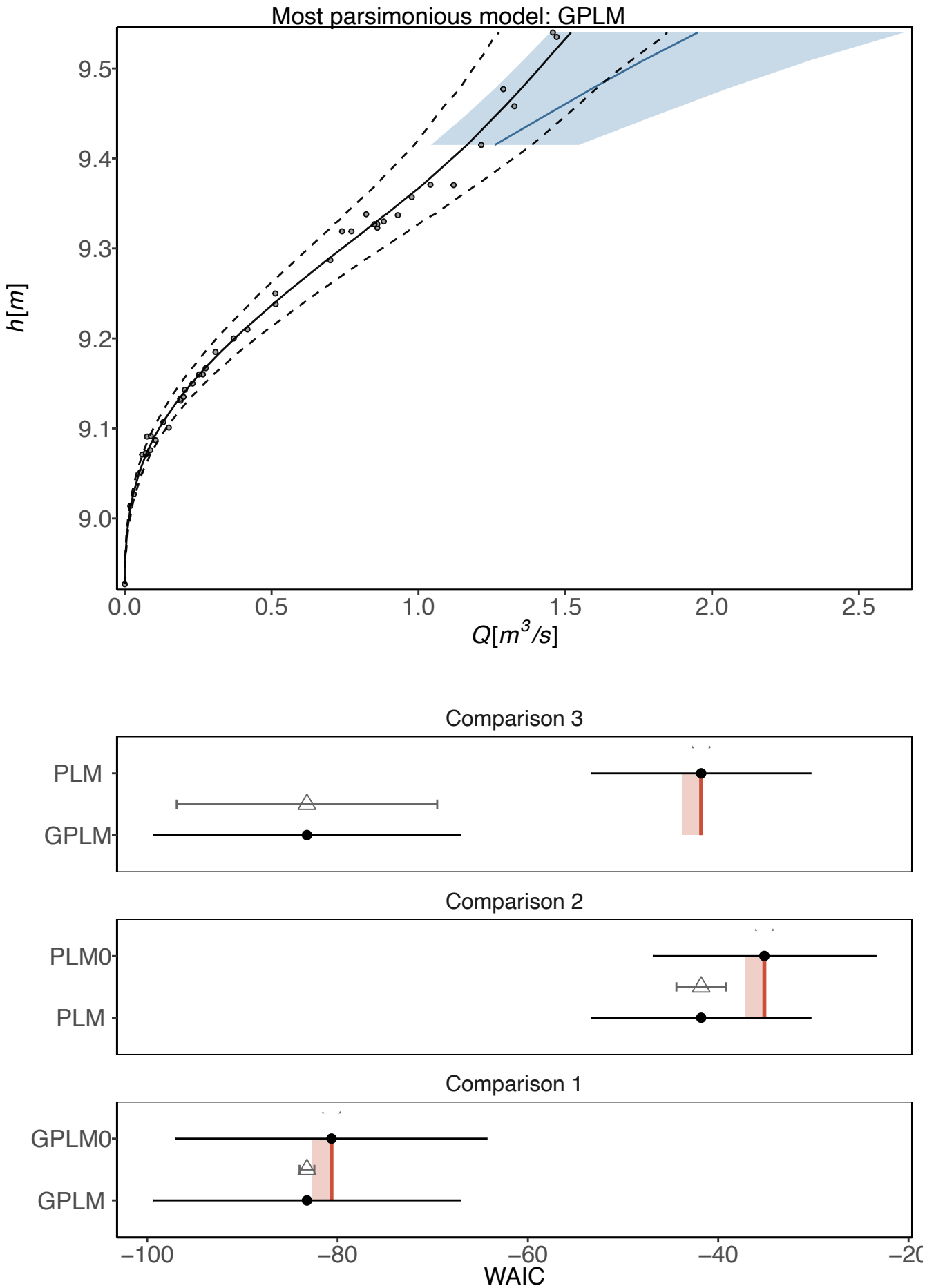
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.97	[5.93; 8.29]	1534	1.01
b	2.38	[2.27; 2.51]	1622	1.01
c	8.92	[8.92; 8.92]	1633	1.01
σ_η	0.32	[0.01; 1.10]	849	1.04
η_1	–4.07	[–5.49; –3.26]	1645	1.01
η_2	–3.73	[–5.30; –2.12]	1309	1.01
η_3	–3.98	[–5.89; –1.52]	1856	1.01
η_4	–4.13	[–6.38; –0.86]	2107	1.00
η_5	–3.12	[–5.84; 0.11]	1429	1.01
η_6	–1.84	[–5.51; 1.22]	1360	1.02

Baggebol Nedre 3, Sweden – PLM0



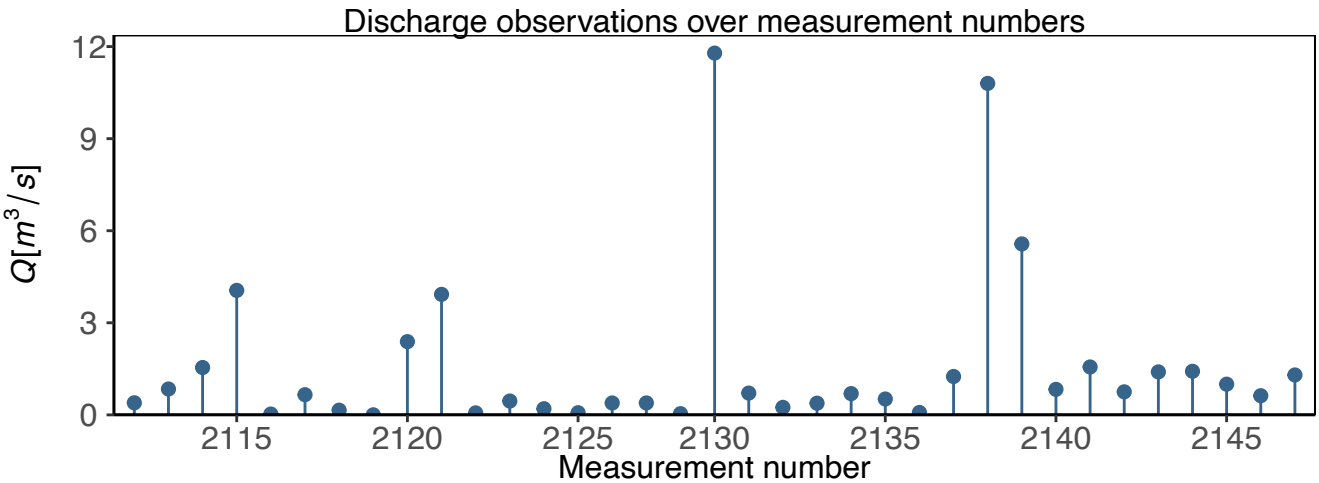
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.51	[5.72; 7.38]	11300	1.00
b	2.34	[2.24; 2.44]	10166	1.00
c	8.92	[8.92; 8.92]	8655	1.00
σ_ε	0.15	[0.12; 0.18]	8397	1.00

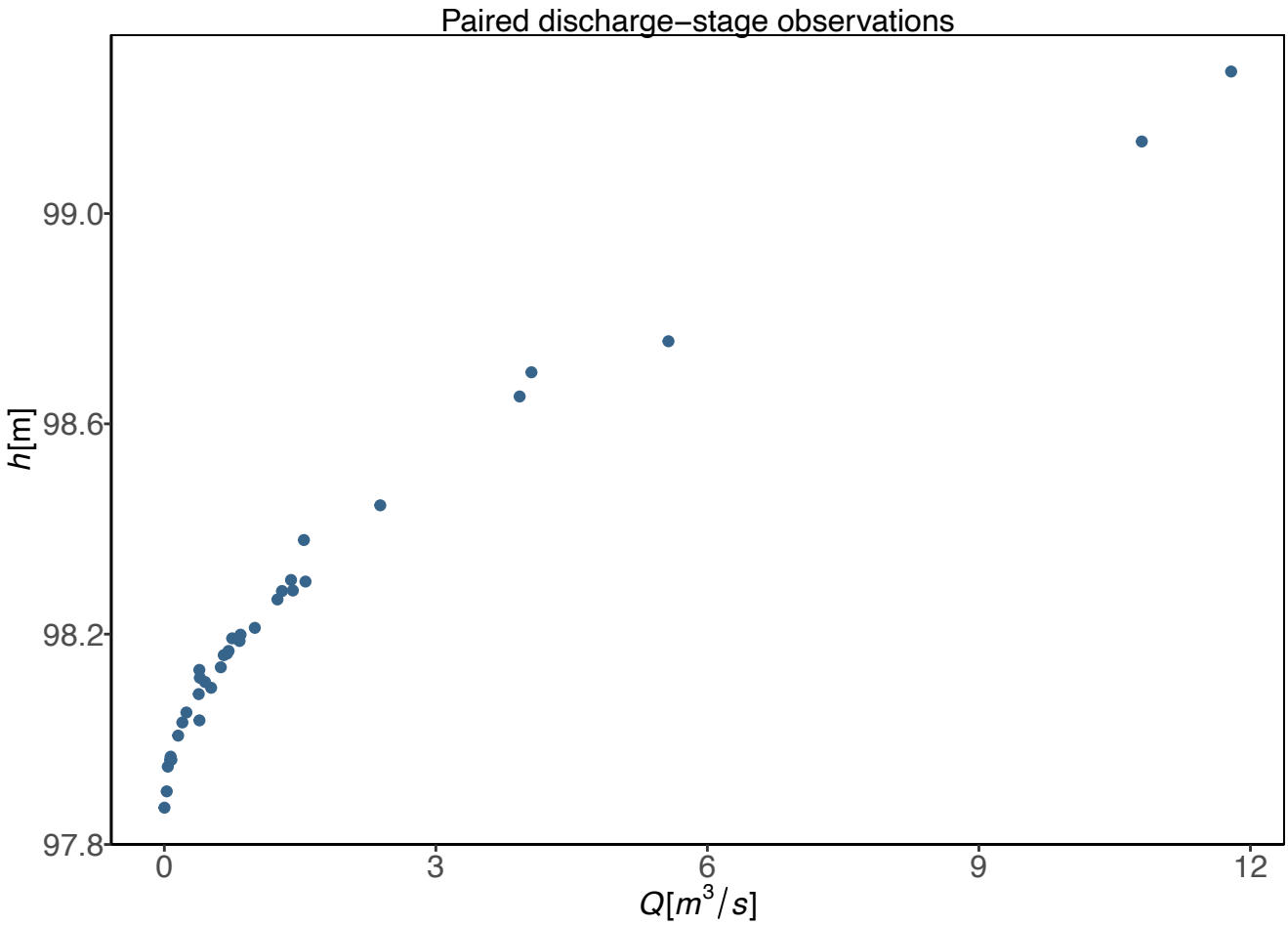
Power−law tournament results for Baggebol Nedre 3, Sweden



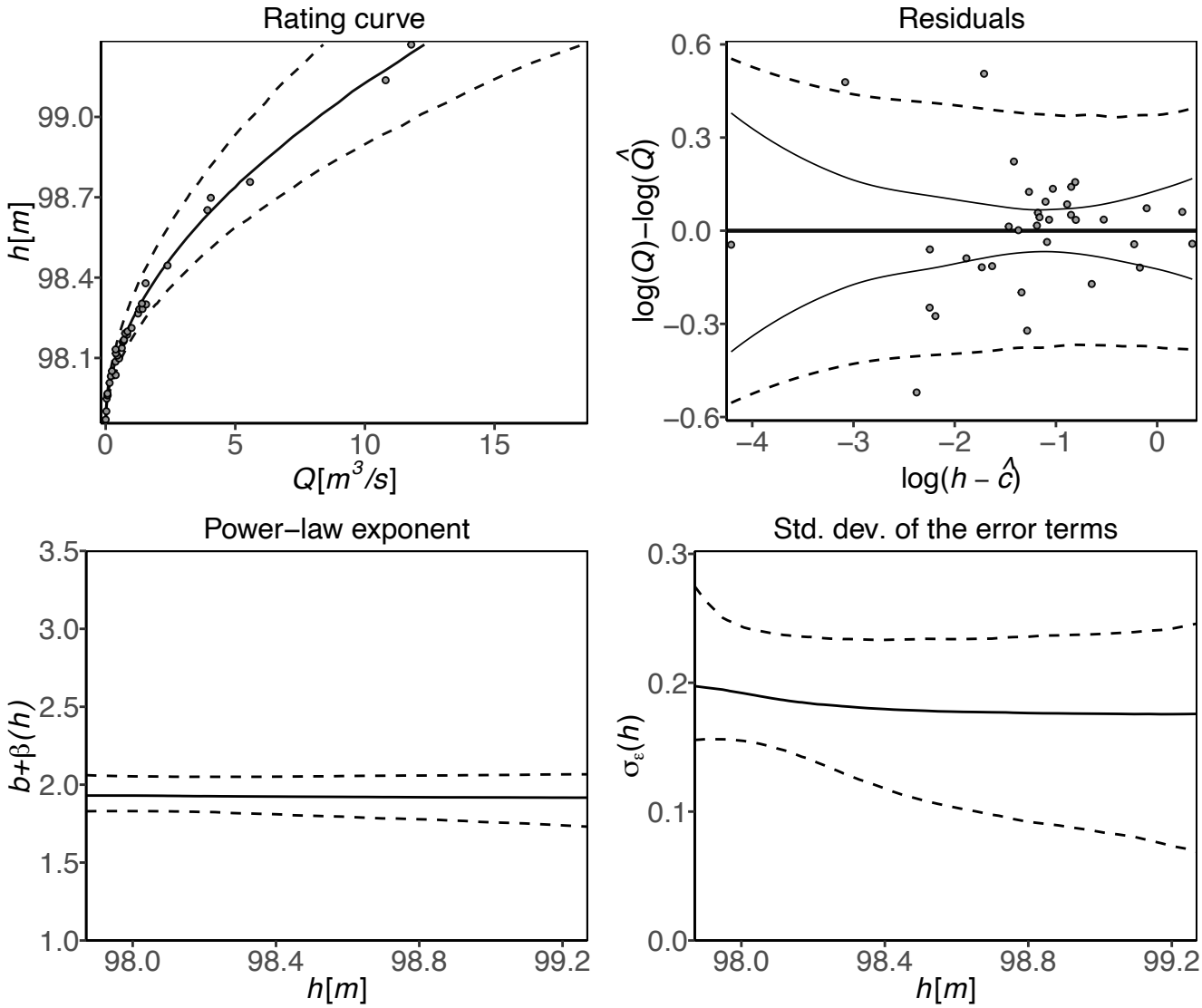
Station name:	Kvillendammen
Location:	Sweden
Station number:	2274
Number of observations:	35
Start date:	Not available
End date:	Not available
Max. discharge (m^3/s):	11.8
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.07	0.37
GPLM0	2.52	0.11
PLM	0.00	0.38
PLM0	1.97	0.14



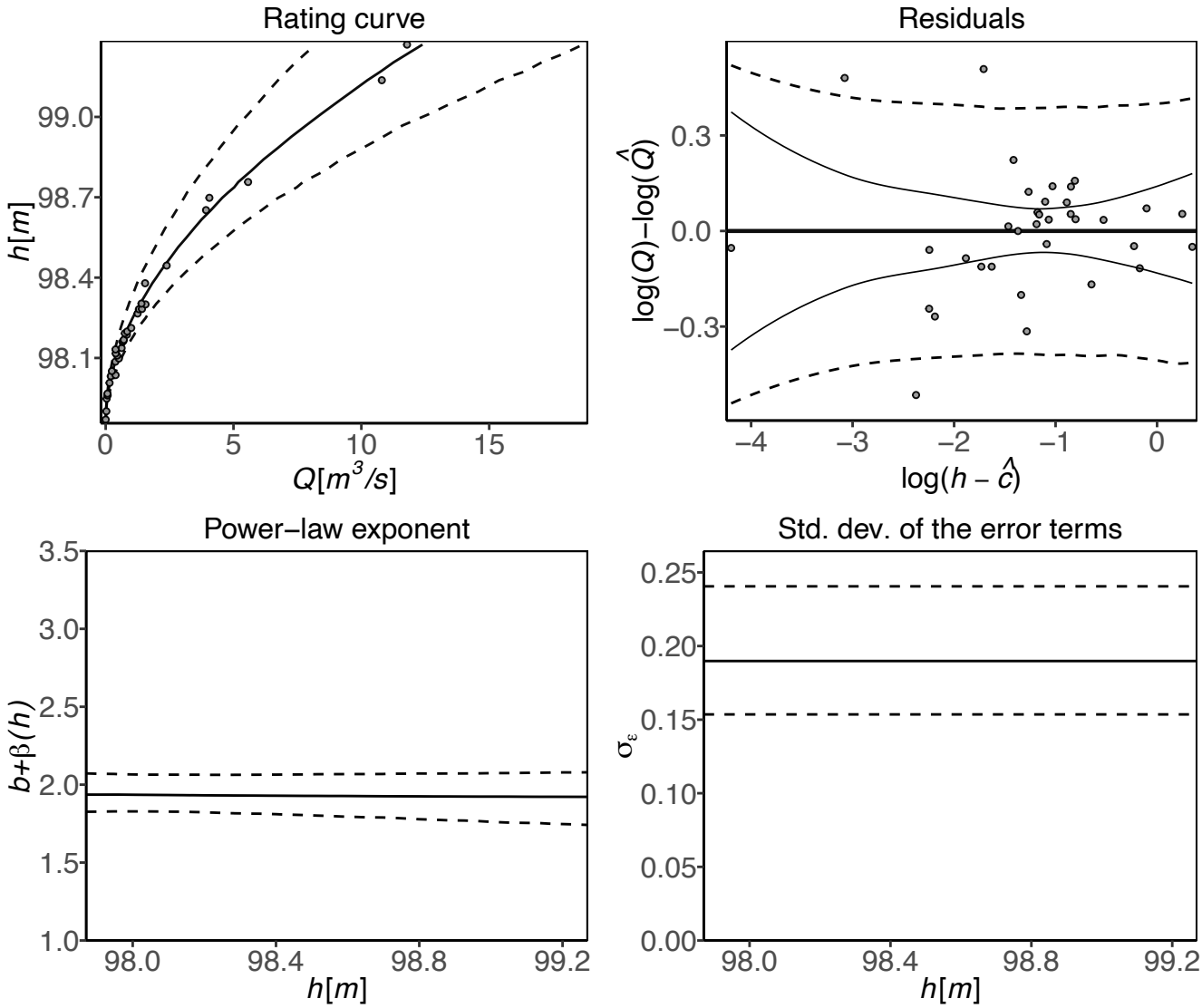


Kvillendammen, Sweden – GPLM



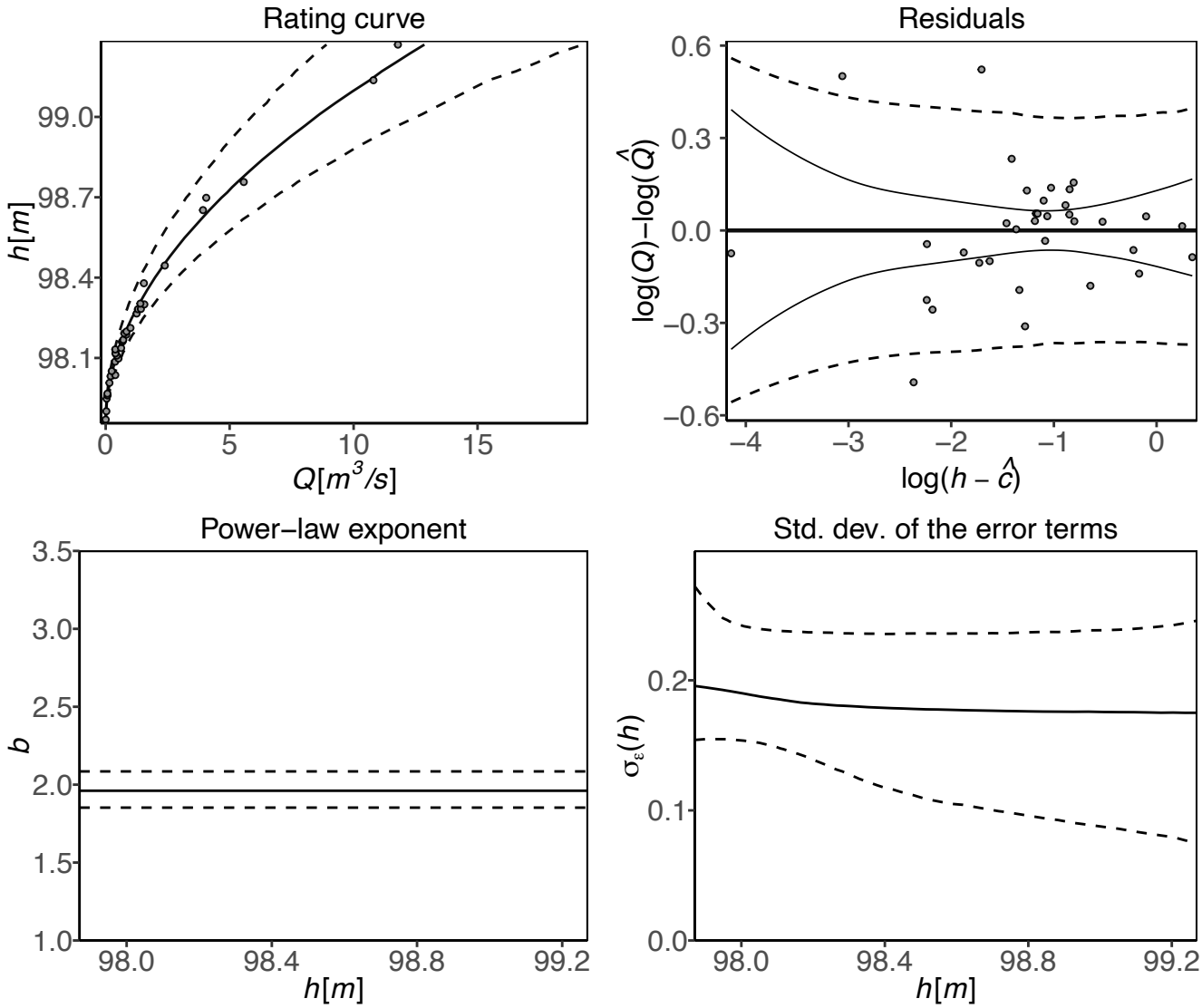
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.33	[5.62; 7.17]	3930	1.00
b	1.84	[1.83; 1.84]	8593	1.00
c	97.86	[97.85; 97.86]	1778	1.00
σ_β	0.13	[0.01; 0.52]	1312	1.00
ϕ_β	15.04	[0.55; 8717.14]	1490	1.00
σ_η	0.12	[0.00; 0.65]	1145	1.01
η_1	–3.25	[–3.72; –2.58]	2985	1.00
η_2	–3.55	[–5.27; –1.74]	1828	1.00
η_3	–4.15	[–6.54; –1.30]	2138	1.00
η_4	–4.48	[–7.62; –0.92]	2123	1.00
η_5	–4.60	[–8.23; –0.58]	2188	1.00
η_6	–4.67	[–8.84; –0.10]	2148	1.00

Kvillendammen, Sweden – GPLM0



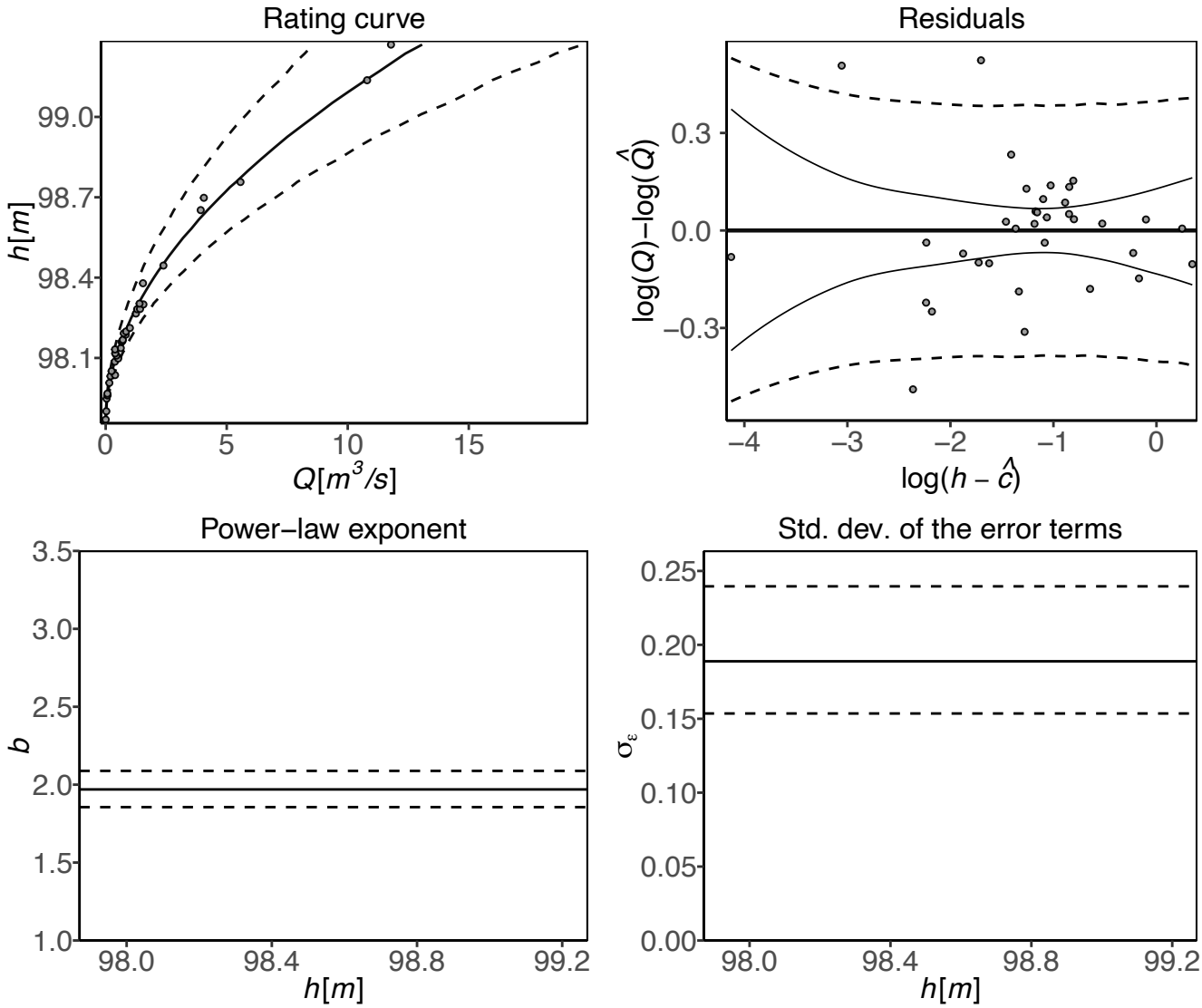
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.36	[5.59; 7.27]	7422	1.00
b	1.84	[1.83; 1.84]	12032	1.00
c	97.85	[97.85; 97.86]	4066	1.00
σ_ε	0.19	[0.15; 0.24]	4371	1.00
σ_β	0.37	[0.10; 0.74]	2614	1.00
ϕ_β	16.79	[0.58; 15362.43]	3062	1.00

Kvillendammen, Sweden – PLM



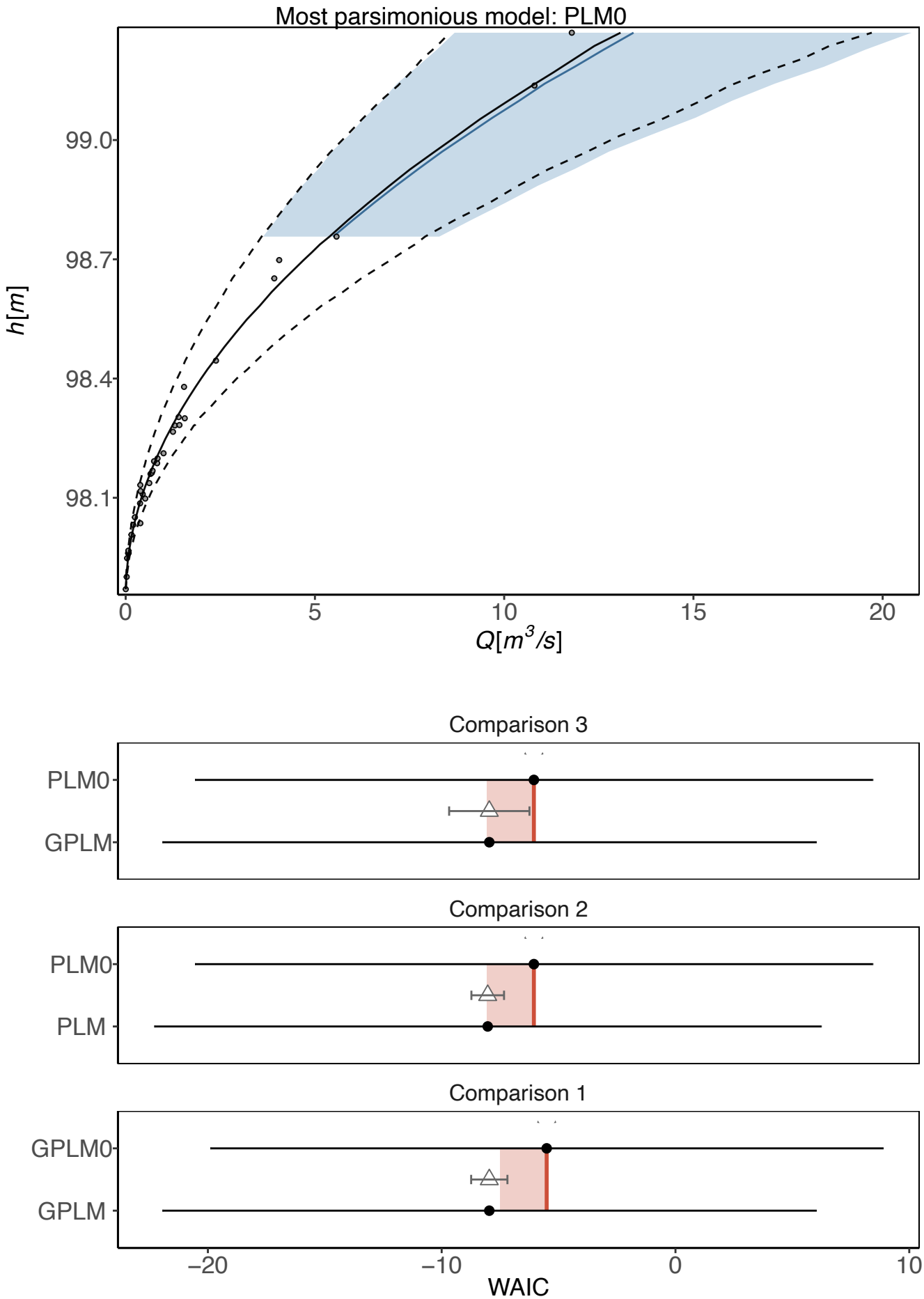
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.51	[5.82; 7.37]	6029	1.00
b	1.96	[1.85; 2.09]	3405	1.00
c	97.85	[97.85; 97.86]	2359	1.00
σ_η	0.12	[0.00; 0.62]	1474	1.01
η_1	–3.26	[–3.74; –2.60]	3370	1.00
η_2	–3.61	[–5.40; –1.78]	2122	1.00
η_3	–4.18	[–6.77; –1.33]	2534	1.00
η_4	–4.44	[–7.65; –0.84]	2705	1.00
η_5	–4.55	[–8.28; –0.37]	2428	1.00
η_6	–4.61	[–8.72; 0.09]	2498	1.00

Kvillendammen, Sweden – PLM0



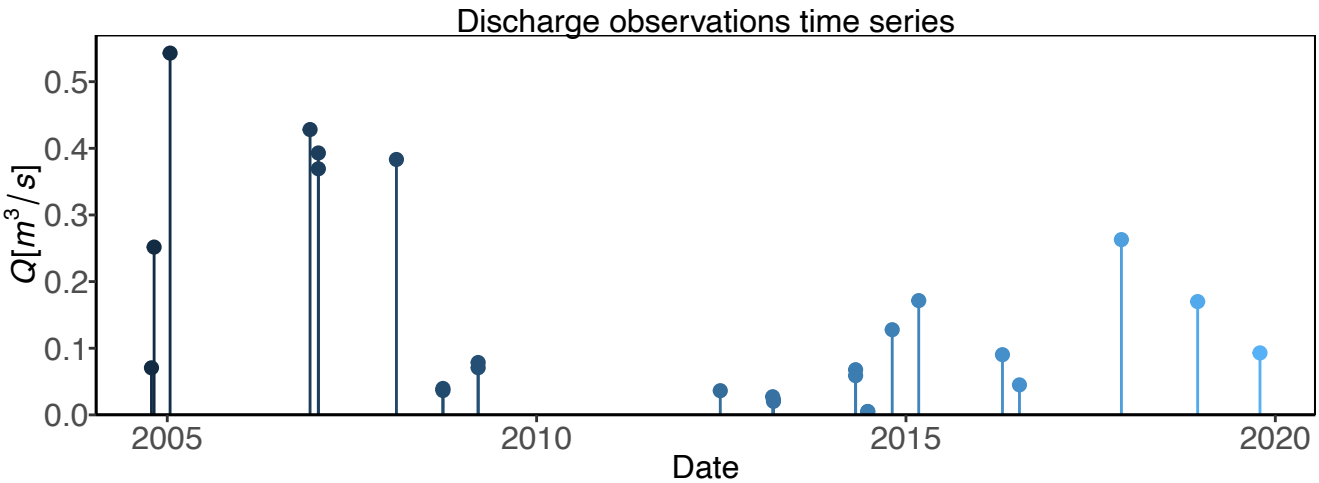
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.57	[5.77; 7.43]	14064	1.00
b	1.97	[1.86; 2.09]	10643	1.00
c	97.85	[97.85; 97.86]	8522	1.00
σ_ε	0.19	[0.15; 0.24]	9161	1.00

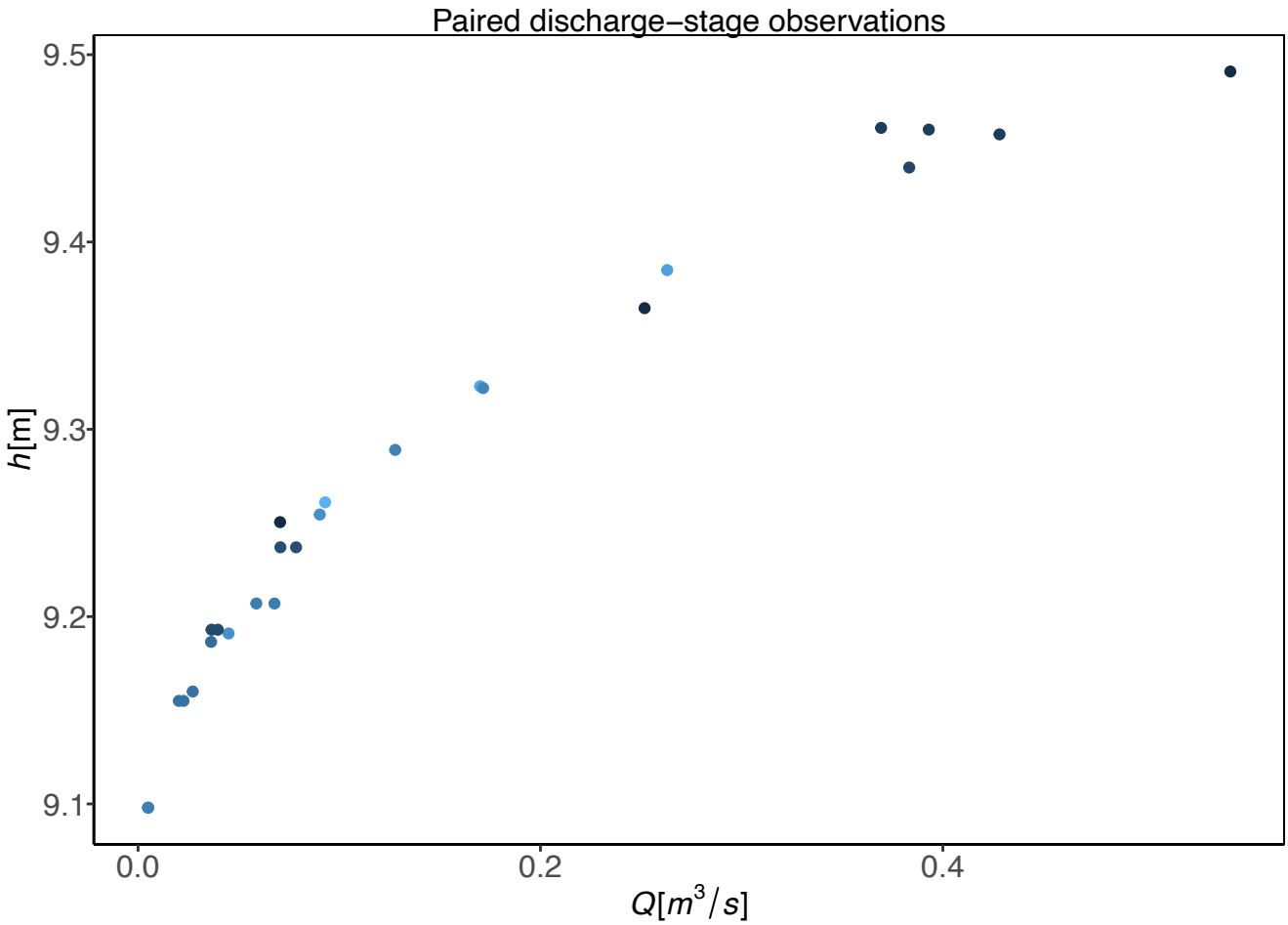
Power−law tournament results for Kvillendammen, Sweden



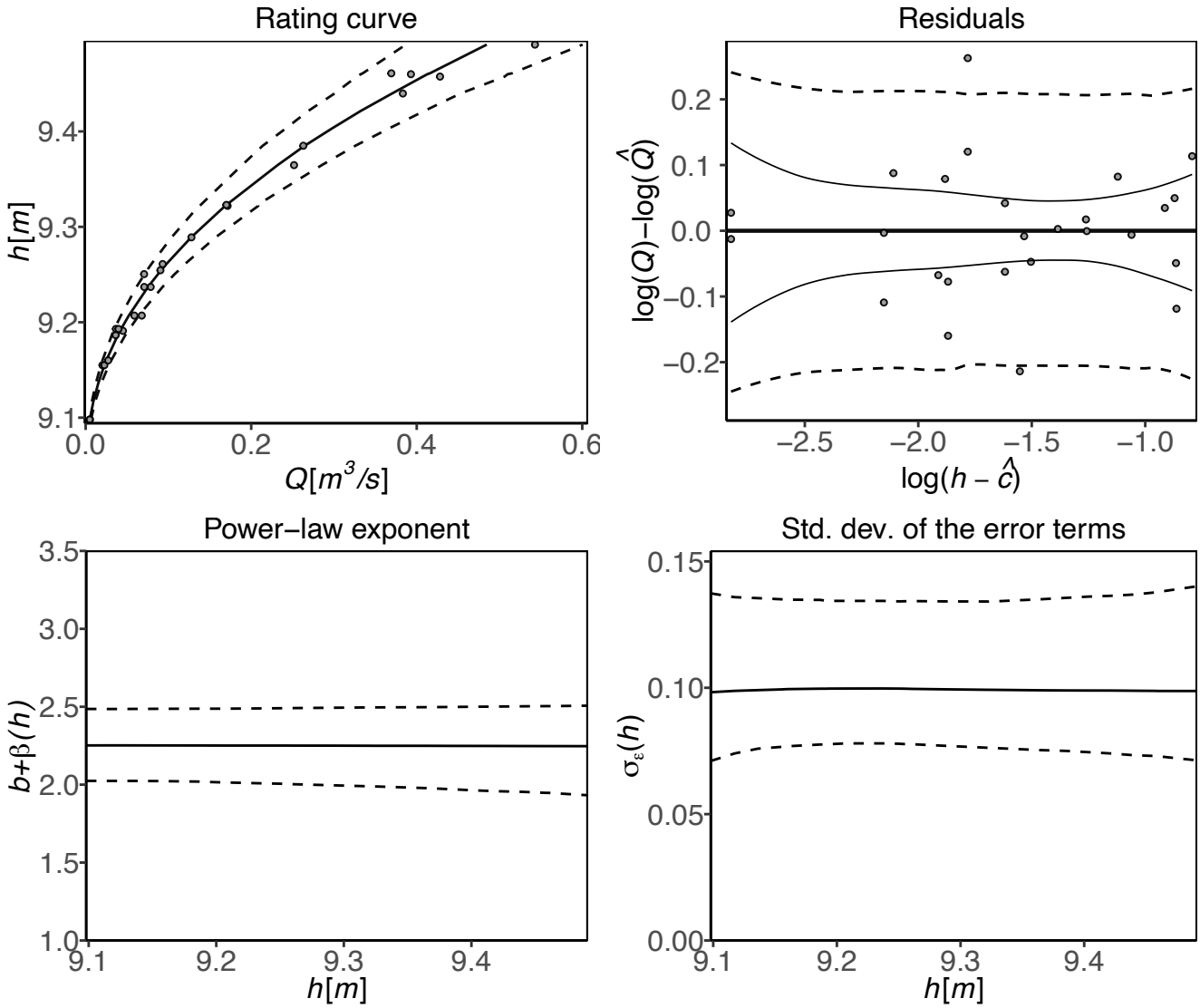
Station name:	Tvärsjön 2
Location:	Sweden
Station number:	2278
Number of observations:	26
Start date:	2004–10–15
End date:	2019–10–17
Max. discharge (m^3/s):	0.5
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.39	0.24
GPLM0	0.74	0.20
PLM	0.05	0.28
PLM0	0.00	0.29



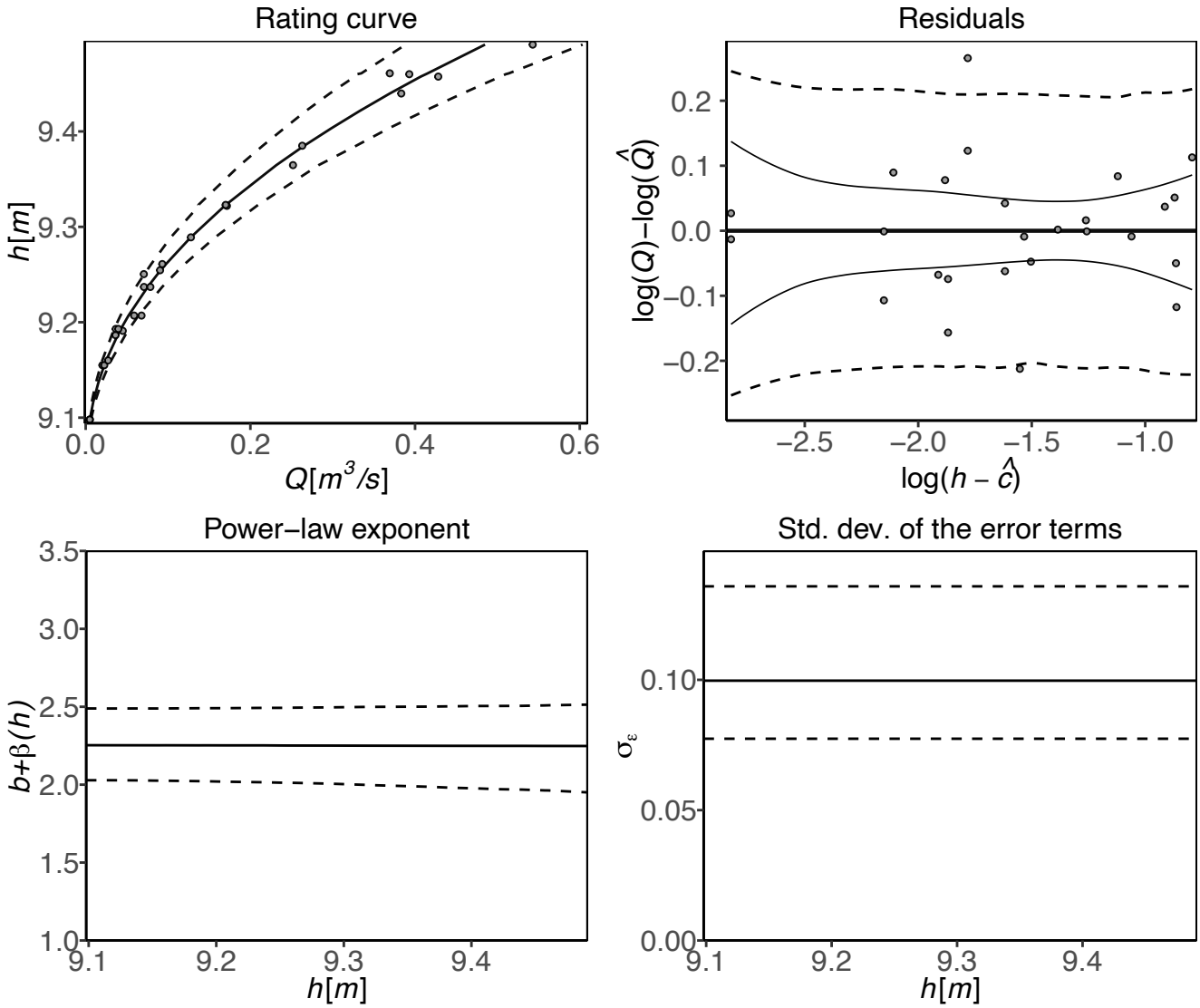


Tvärsjön 2, Sweden – GPLM



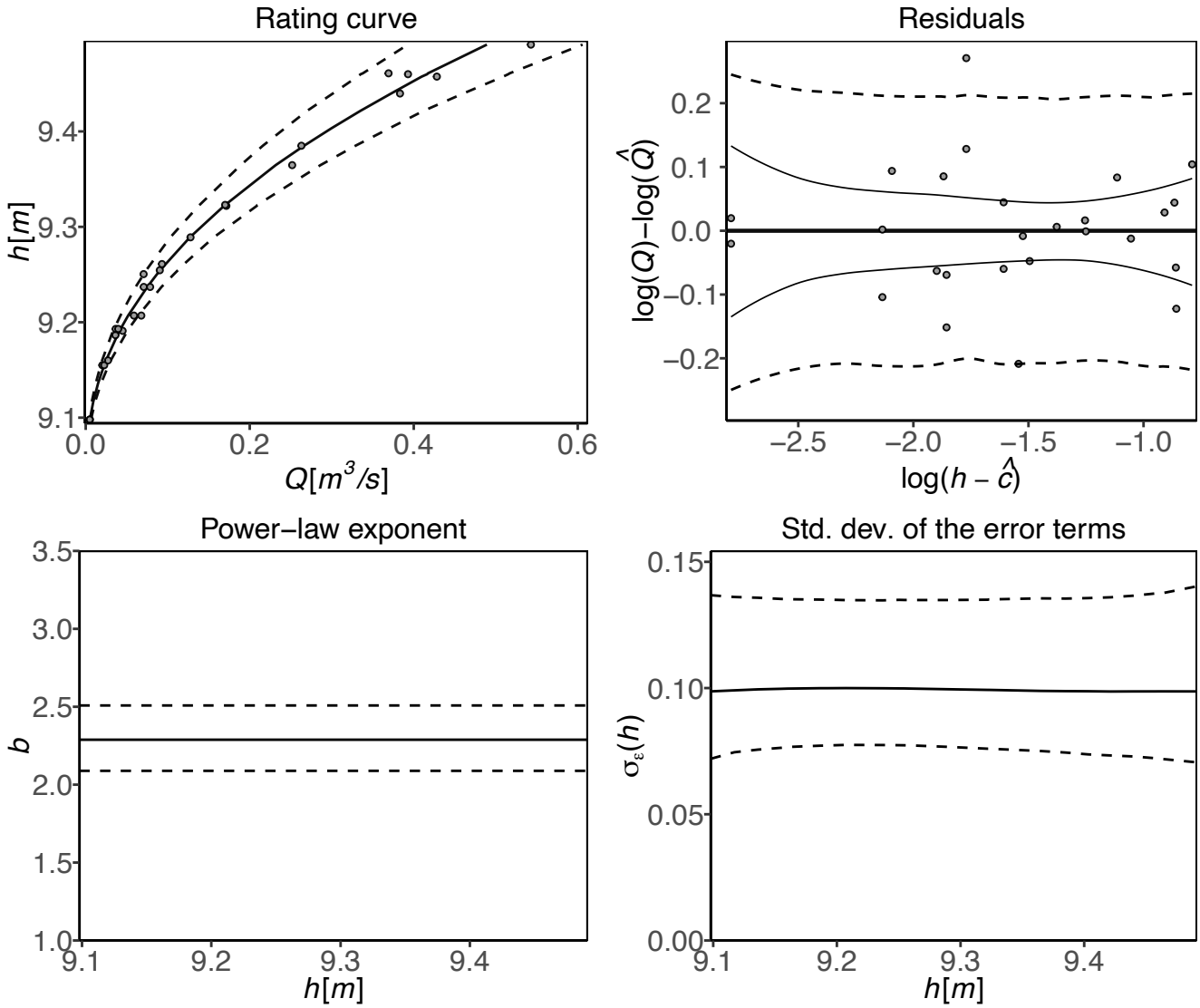
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.88	[2.19; 3.56]	3581	1.00
b	1.84	[1.83; 1.84]	9868	1.00
c	9.04	[9.02; 9.05]	1877	1.00
σ_β	0.33	[0.13; 0.82]	2267	1.00
ϕ_β	15.58	[0.66; 10309.74]	1519	1.00
σ_η	0.08	[0.00; 0.42]	1377	1.00
η_1	–4.64	[–5.29; –3.97]	1829	1.00
η_2	–4.43	[–6.33; –2.64]	2247	1.00
η_3	–4.41	[–6.94; –1.86]	2292	1.00
η_4	–4.56	[–7.64; –1.39]	2274	1.00
η_5	–4.57	[–8.14; –0.78]	2241	1.00
η_6	–4.59	[–8.54; –0.45]	2261	1.00

Tvärsjön 2, Sweden – GPLM0



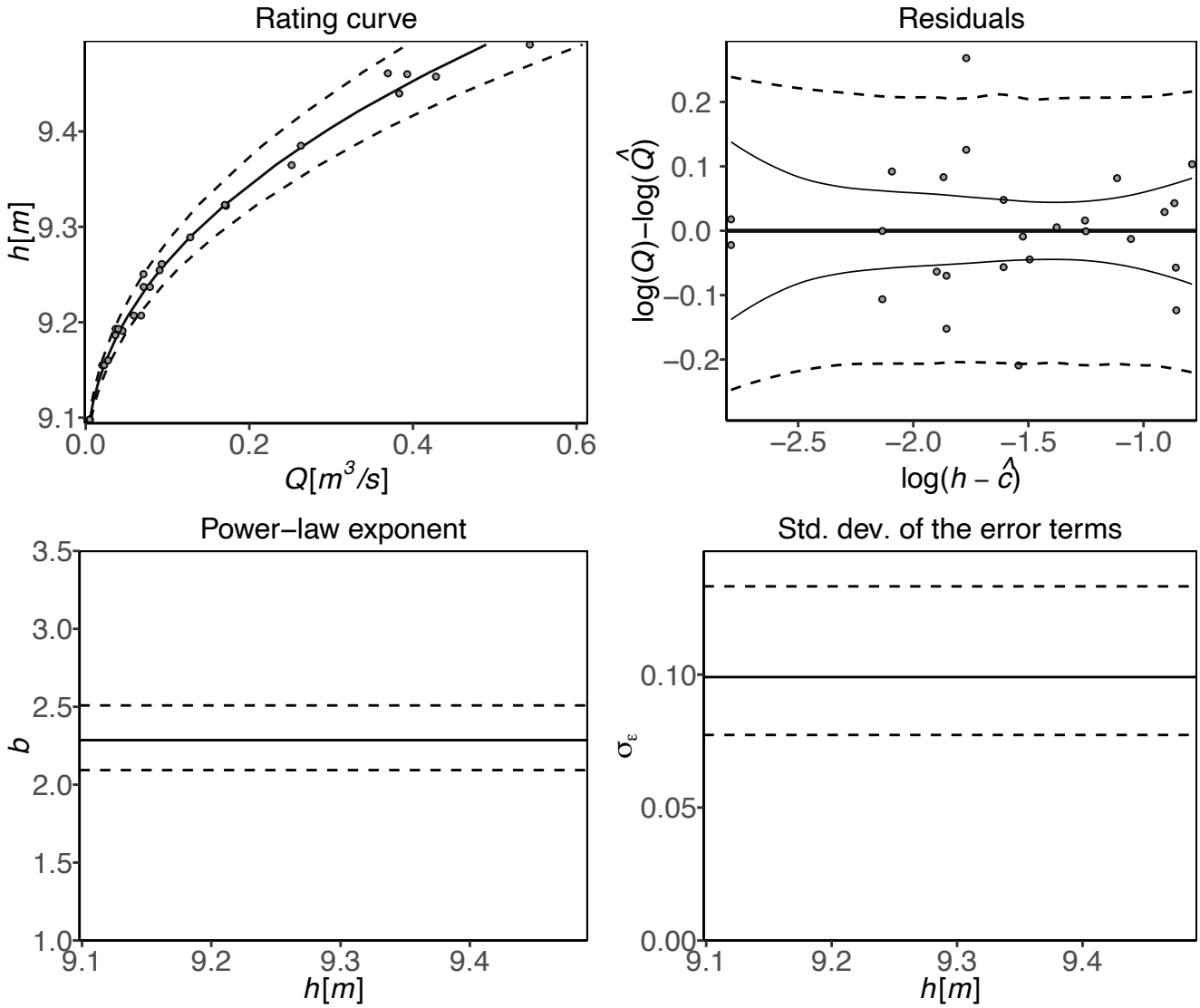
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.88	[2.22; 3.57]	7016	1.00
b	1.84	[1.83; 1.84]	11874	1.00
c	9.04	[9.02; 9.05]	4028	1.00
σ_ε	0.10	[0.08; 0.14]	4740	1.00
σ_β	0.58	[0.36; 0.91]	5087	1.00
ϕ_β	17.19	[0.71; 12979.46]	2972	1.00

Tvärsjön 2, Sweden – PLM



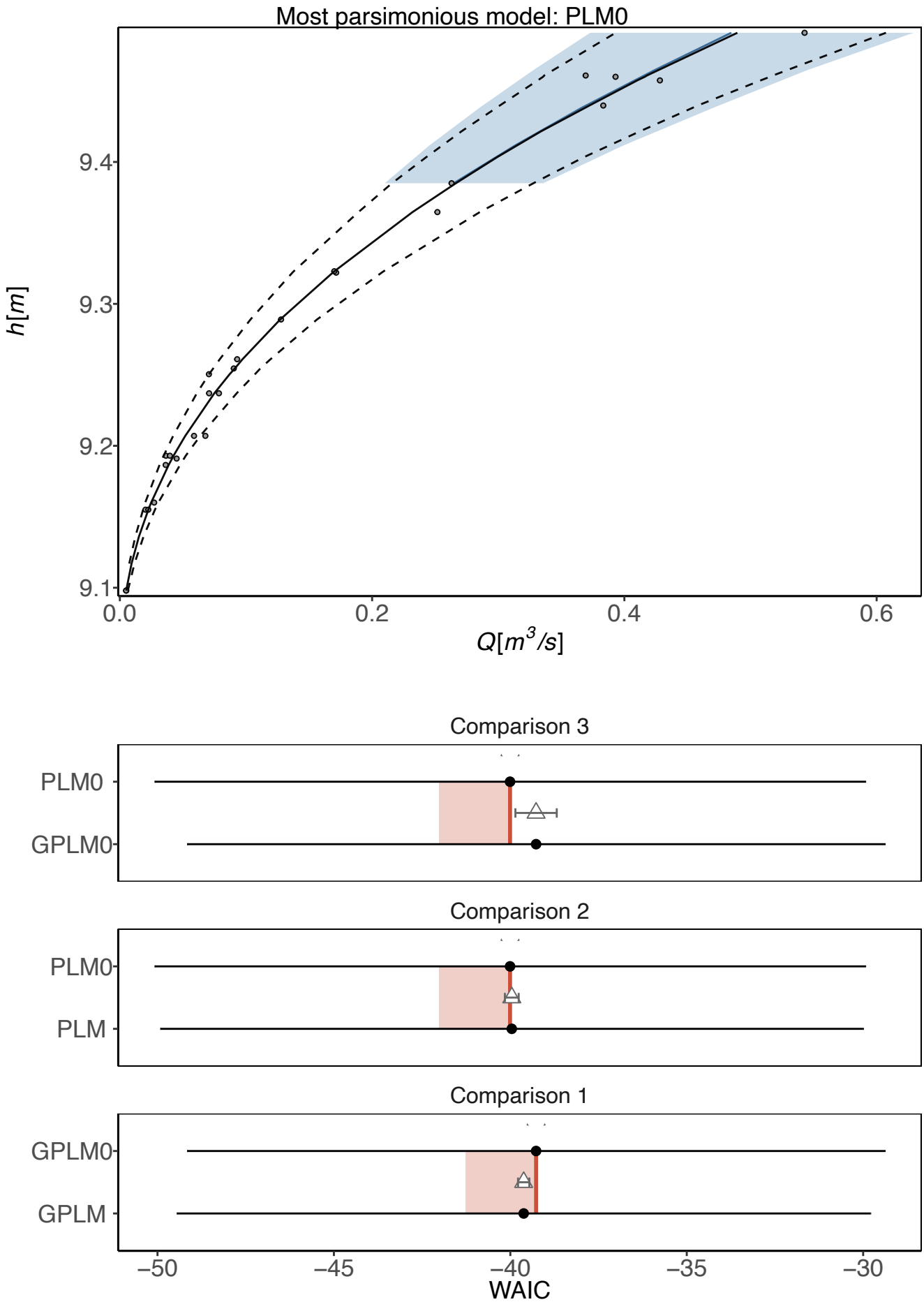
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.98	[2.48; 3.55]	3990	1.00
b	2.29	[2.09; 2.51]	2873	1.00
c	9.04	[9.02; 9.05]	2594	1.00
σ_η	0.08	[0.00; 0.42]	1843	1.00
η_1	–4.63	[–5.26; –3.98]	2252	1.00
η_2	–4.46	[–6.37; –2.61]	2789	1.00
η_3	–4.43	[–7.14; –1.92]	2584	1.00
η_4	–4.58	[–7.80; –1.40]	2685	1.00
η_5	–4.68	[–8.32; –1.02]	2695	1.00
η_6	–4.71	[–8.67; –0.60]	2694	1.00

Tvärsjön 2, Sweden – PLM0



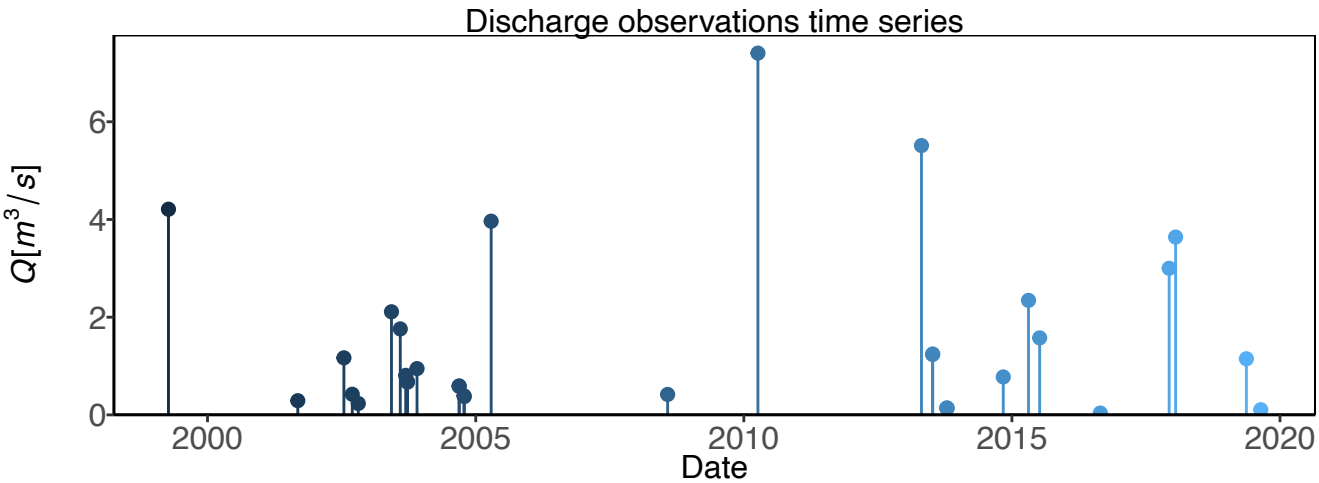
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.97	[2.49; 3.53]	10936	1.00
b	2.29	[2.09; 2.51]	9057	1.00
c	9.04	[9.02; 9.05]	8635	1.00
σ_ε	0.10	[0.08; 0.13]	10024	1.00

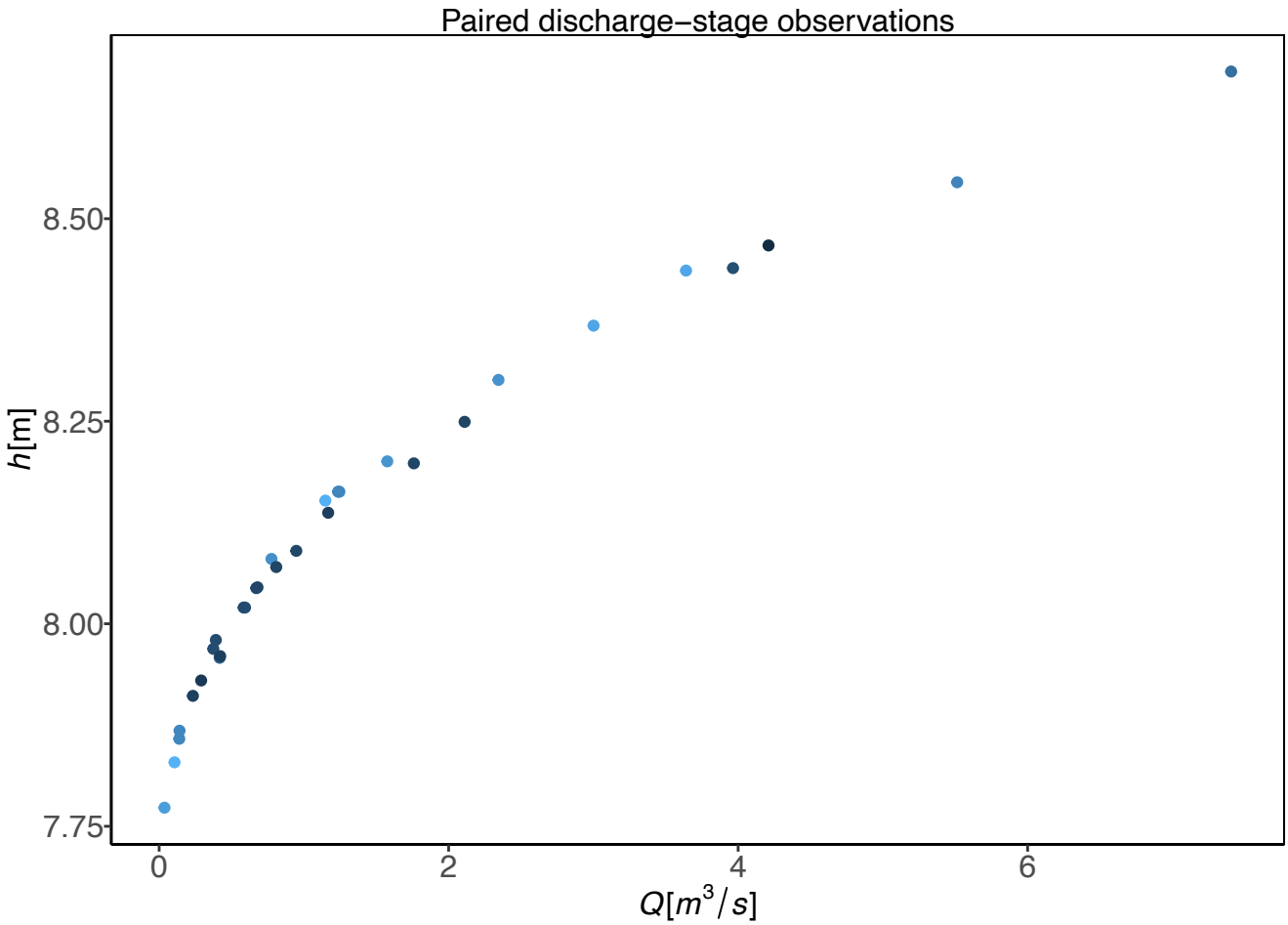
Power−law tournament results for Tvärsjön 2, Sweden



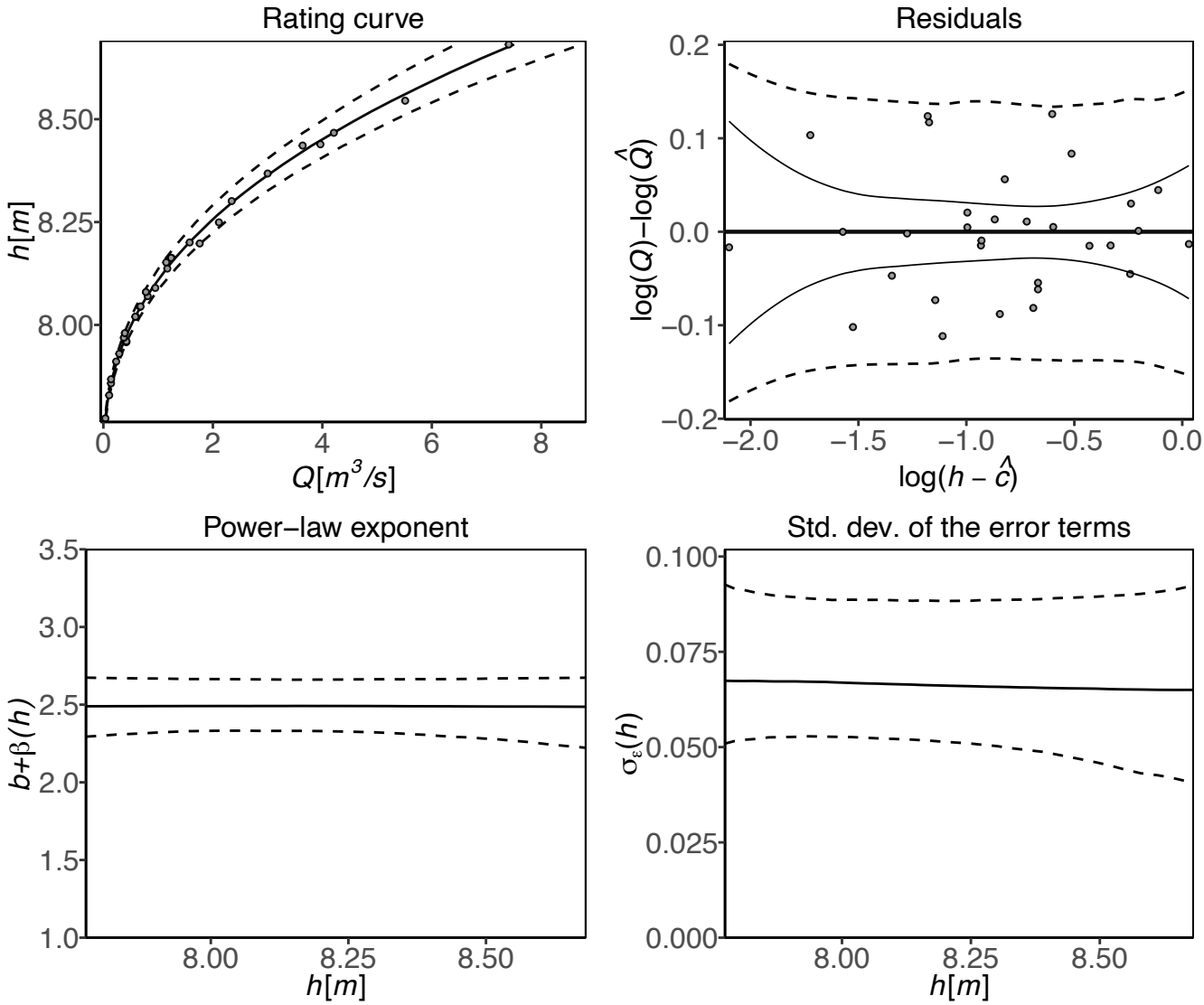
Station name:	Melby
Location:	Sweden
Station number:	2289
Number of observations:	31
Start date:	1999–04–10
End date:	2019–08–23
Max. discharge (m^3/s):	7.4
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.21	0.24
GPLM0	0.44	0.22
PLM	0.00	0.27
PLM0	0.01	0.27



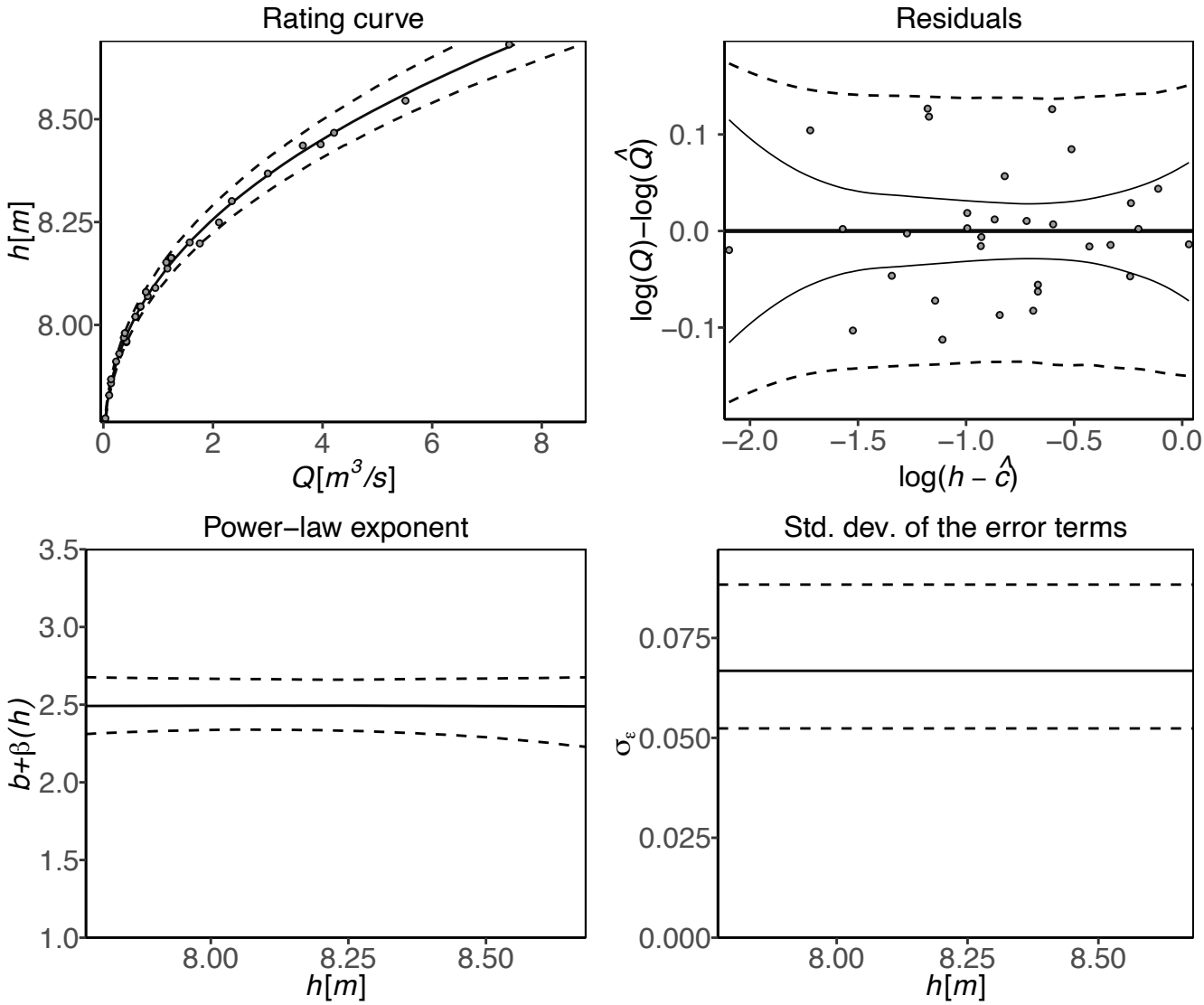


Melby, Sweden – GPLM



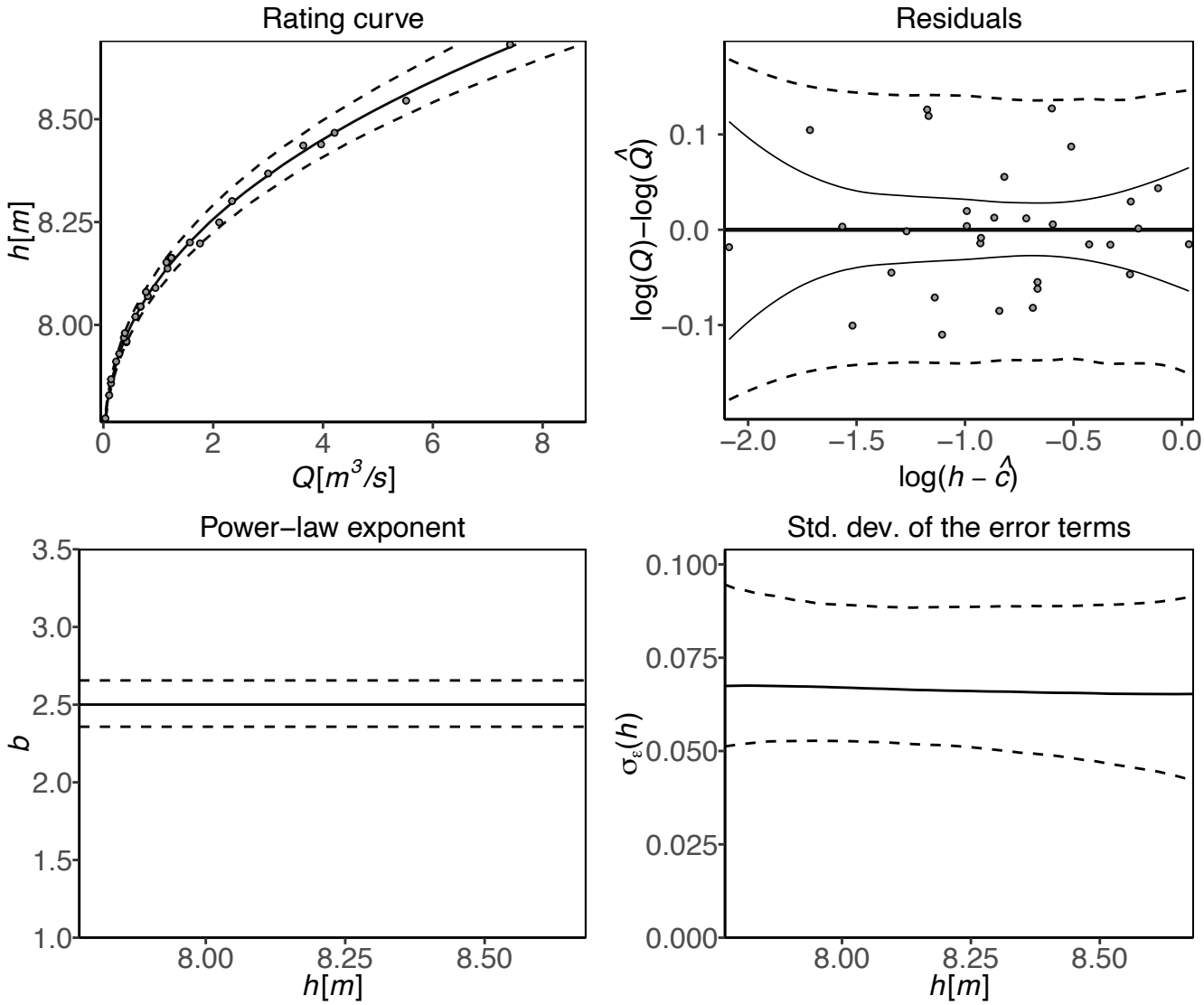
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.94	[6.49; 7.44]	3743	1.00
b	1.84	[1.83; 1.84]	10102	1.00
c	7.65	[7.62; 7.68]	1470	1.00
σ_β	0.44	[0.22; 0.96]	2230	1.00
ϕ_β	21.50	[1.10; 13305.55]	1297	1.00
σ_η	0.08	[0.00; 0.45]	1376	1.00
η_1	–5.39	[–5.96; –4.76]	1829	1.00
η_2	–5.39	[–7.26; –3.48]	2201	1.00
η_3	–5.52	[–8.13; –2.88]	2421	1.00
η_4	–5.71	[–8.88; –2.31]	2328	1.00
η_5	–5.86	[–9.48; –1.88]	2314	1.00
η_6	–5.89	[–9.99; –1.40]	2272	1.00

Melby, Sweden – GPLM0



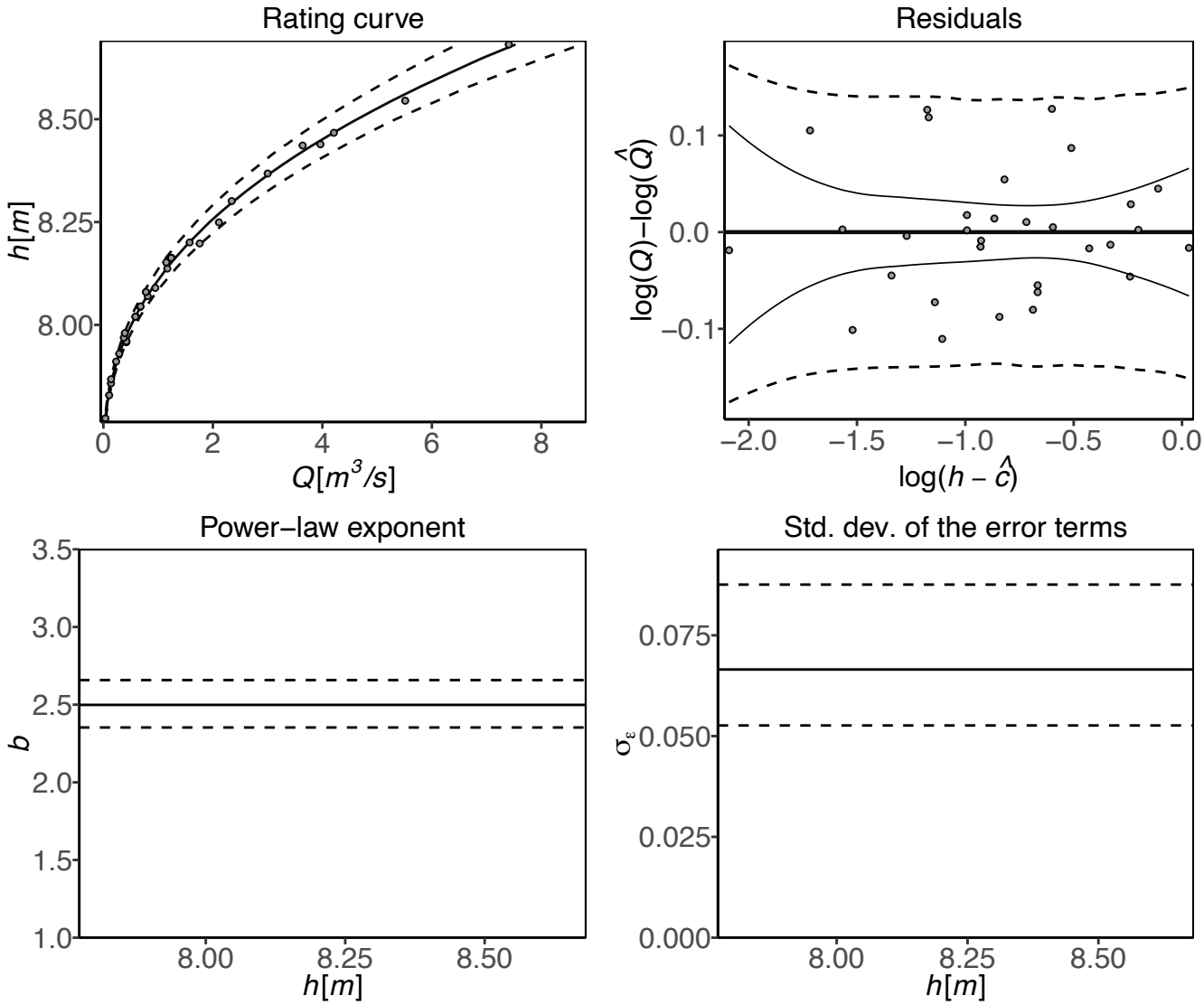
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.93	[6.49; 7.42]	6560	1.00
b	1.84	[1.83; 1.84]	13147	1.00
c	7.65	[7.63; 7.67]	3508	1.00
σ_ε	0.07	[0.05; 0.09]	5037	1.00
σ_β	0.66	[0.47; 0.98]	5582	1.00
ϕ_β	22.36	[1.20; 17364.99]	2316	1.00

Melby, Sweden – PLM



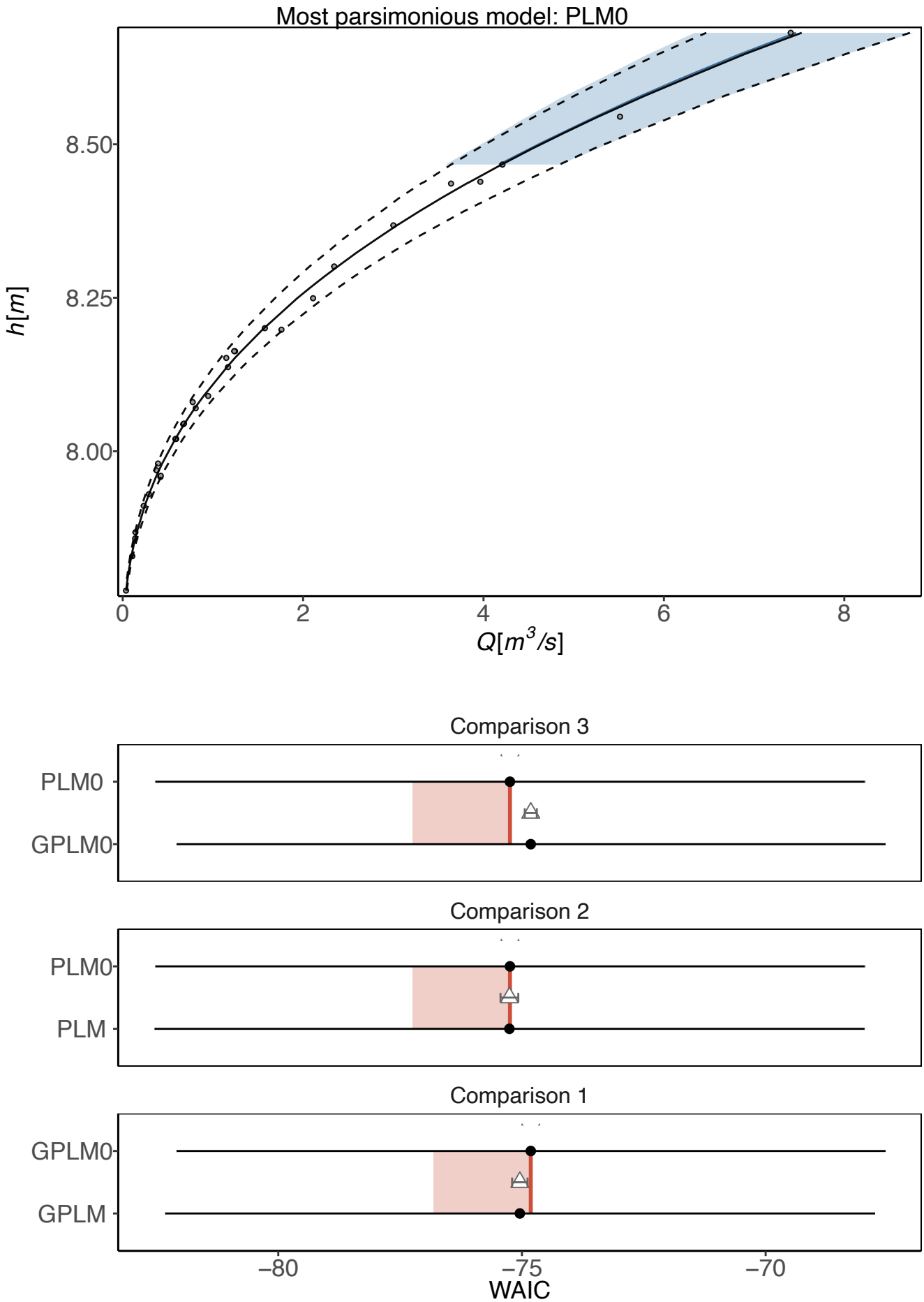
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.93	[6.58; 7.28]	8761	1.00
b	2.50	[2.36; 2.66]	2997	1.00
c	7.65	[7.63; 7.67]	2746	1.00
σ_η	0.08	[0.00; 0.44]	1832	1.00
η_1	–5.39	[–5.94; –4.72]	2176	1.00
η_2	–5.36	[–7.19; –3.48]	2746	1.00
η_3	–5.49	[–8.09; –2.85]	2739	1.00
η_4	–5.67	[–8.78; –2.30]	2621	1.00
η_5	–5.77	[–9.45; –1.98]	2837	1.00
η_6	–5.84	[–10.01; –1.54]	2832	1.00

Melby, Sweden – PLM0



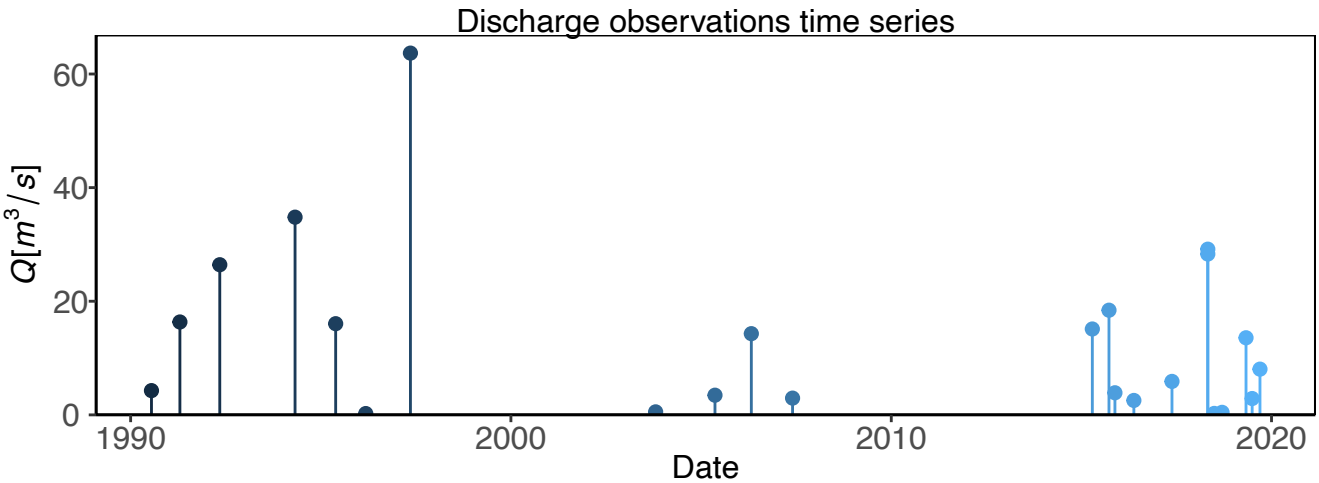
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.93	[6.59; 7.29]	15889	1.00
b	2.50	[2.35; 2.66]	9917	1.00
c	7.65	[7.63; 7.67]	9478	1.00
σ_ε	0.07	[0.05; 0.09]	8925	1.00

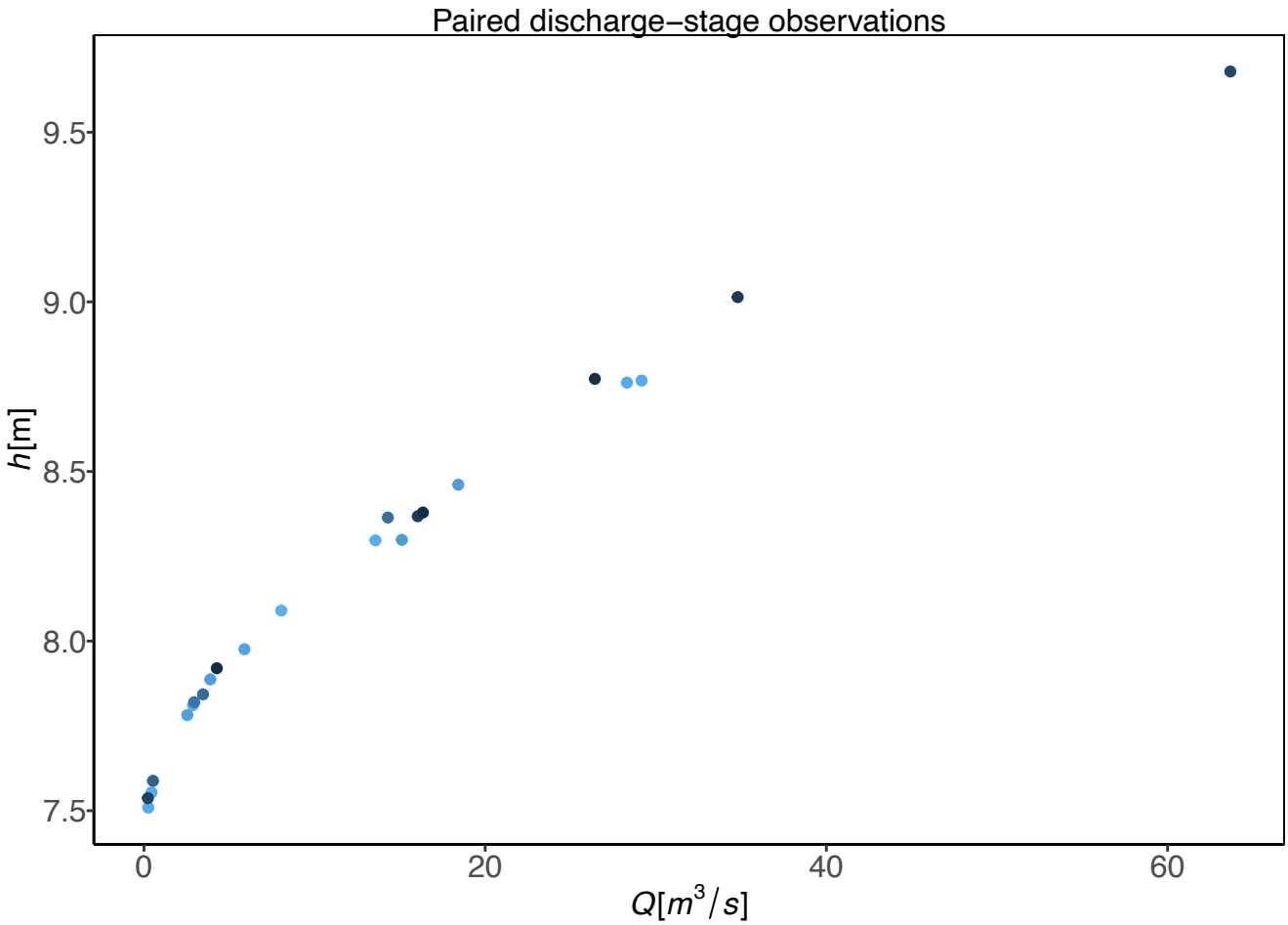
Power−law tournament results for Melby, Sweden



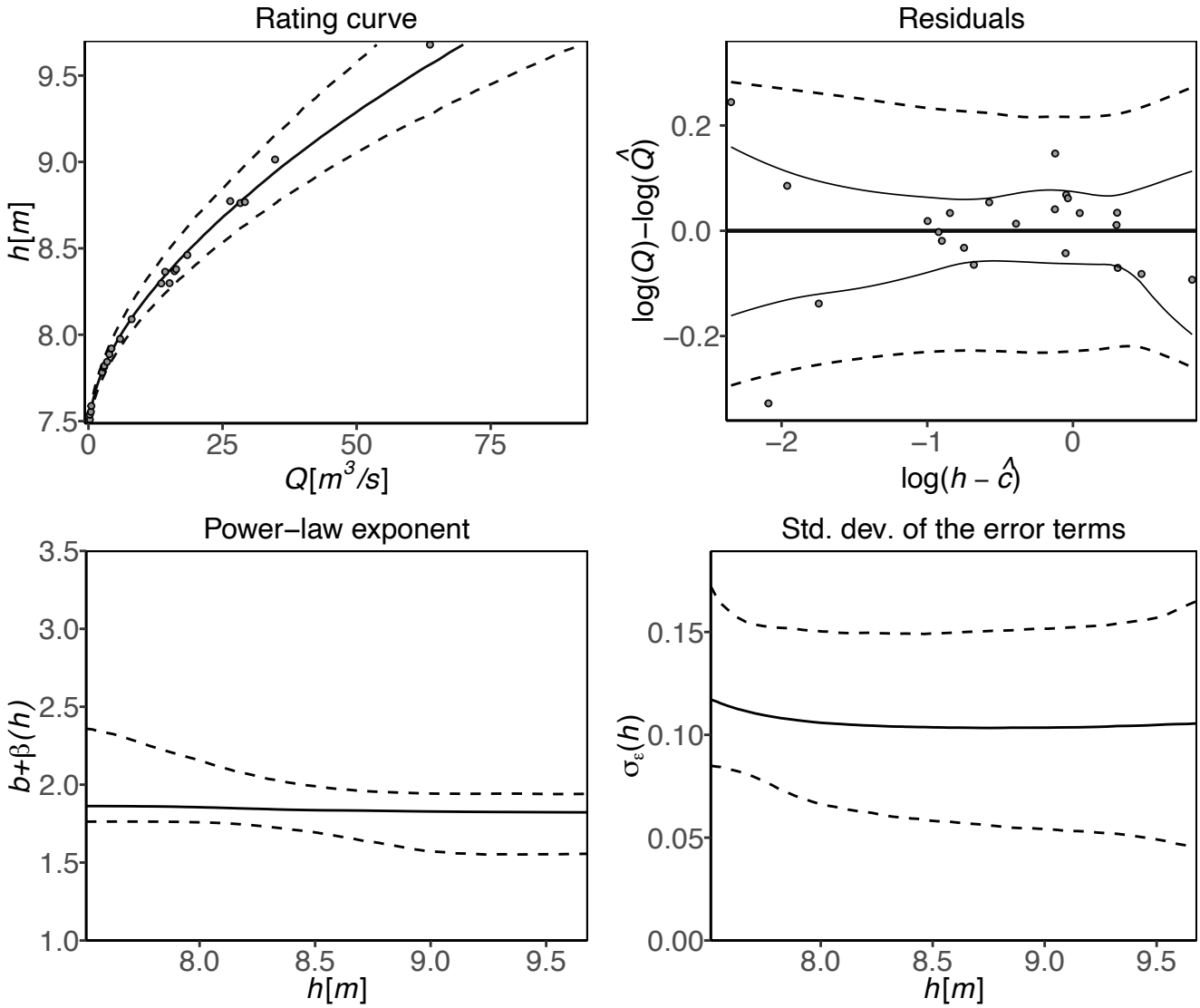
Station name:	Grea
Location:	Sweden
Station number:	2309
Number of observations:	23
Start date:	1990–07–20
End date:	2019–09–12
Max. discharge (m^3/s):	63.7
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.62
GPLM0	2.61	0.17
PLM	2.82	0.15
PLM0	4.45	0.07



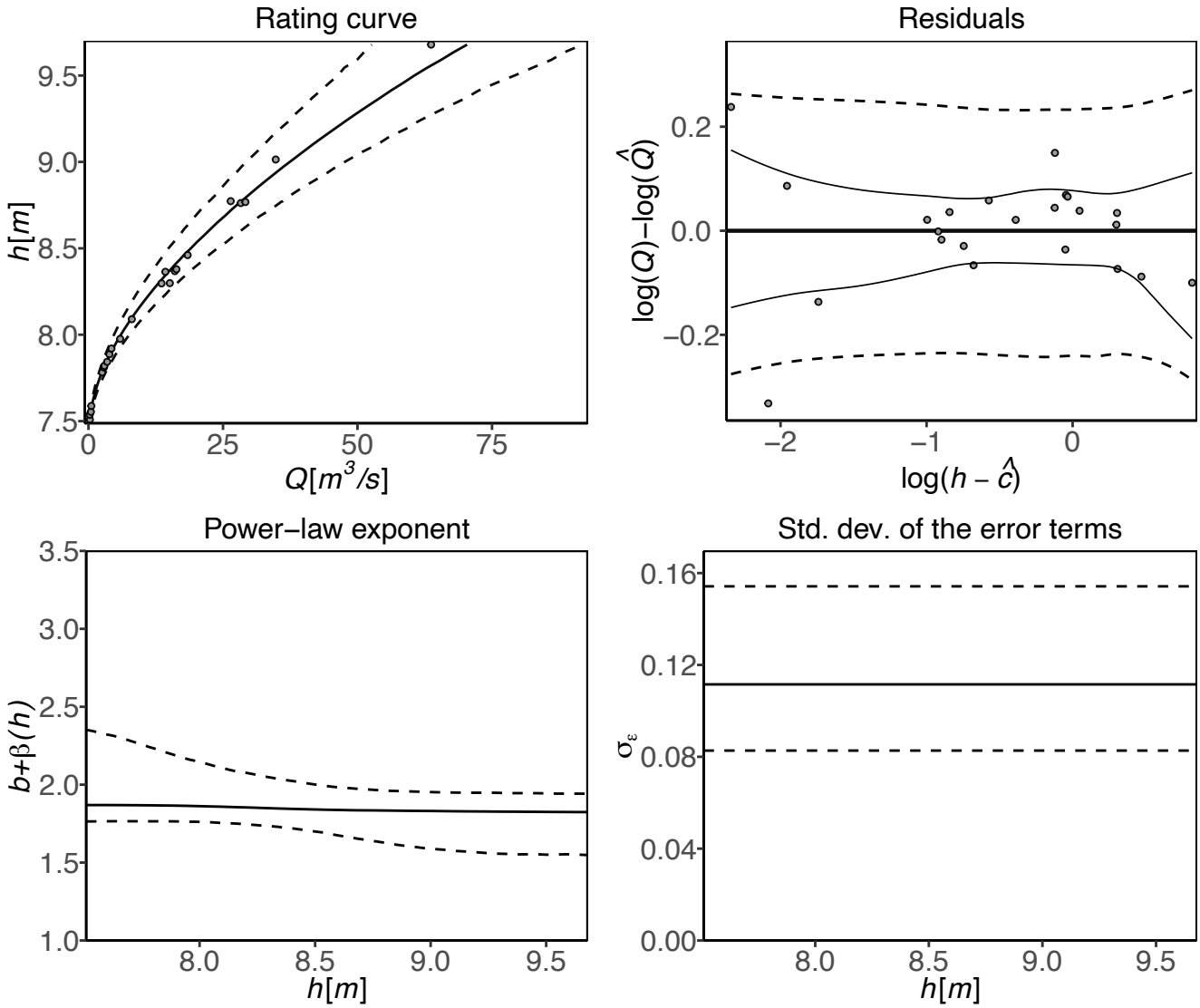


Grea, Sweden – GPLM



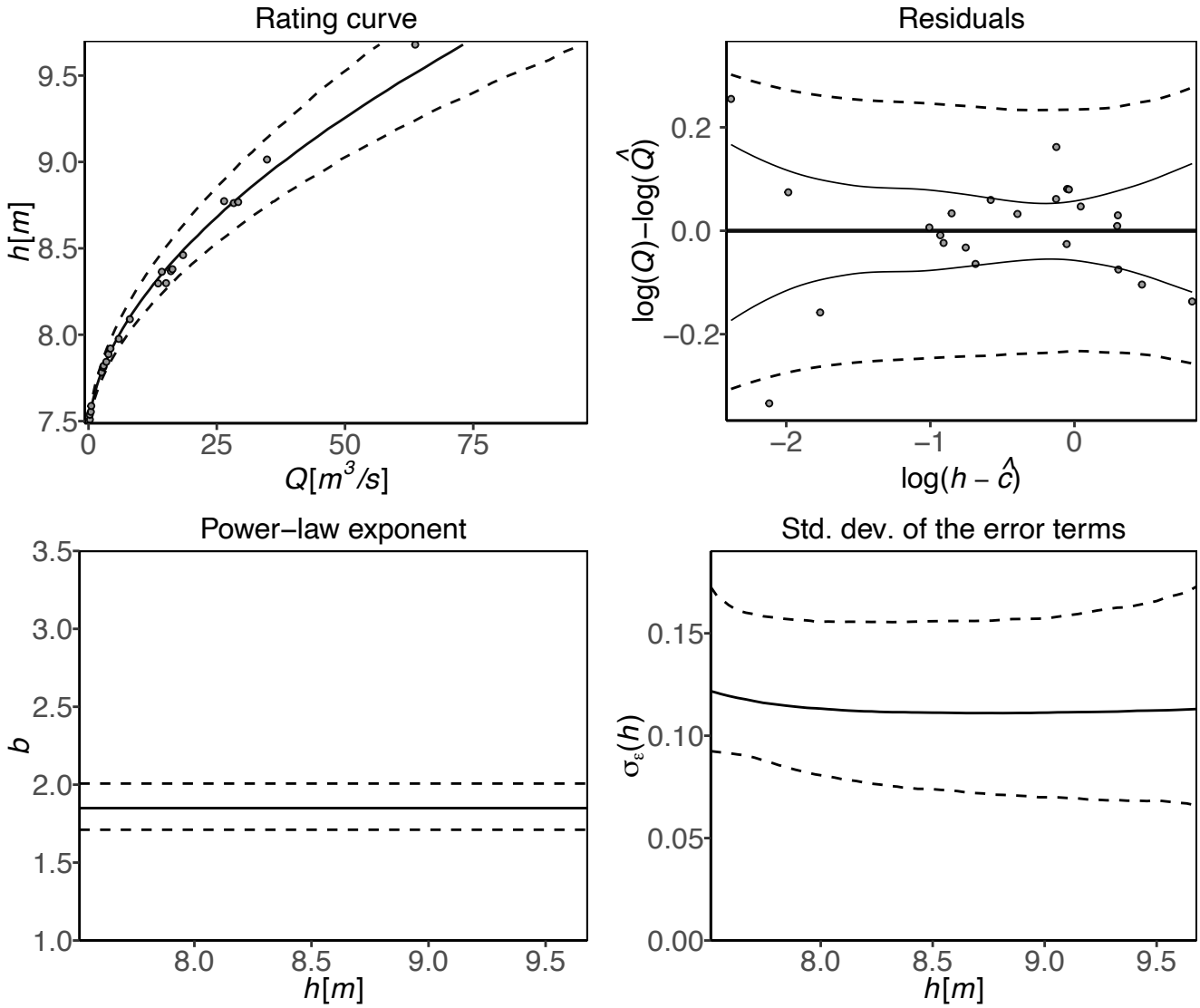
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.15	[14.66; 17.32]	2867	1.01
b	1.84	[1.83; 1.84]	9035	1.00
c	7.41	[7.34; 7.43]	1295	1.03
σ_β	0.10	[0.00; 0.56]	815	1.10
ϕ_β	7.15	[0.49; 7486.15]	773	1.10
σ_η	0.14	[0.01; 0.71]	885	1.02
η_1	–4.29	[–4.93; –3.52]	2356	1.00
η_2	–4.96	[–6.87; –2.90]	1459	1.00
η_3	–5.35	[–7.92; –2.53]	1791	1.00
η_4	–5.43	[–8.67; –2.03]	2177	1.00
η_5	–5.42	[–9.15; –1.51]	2143	1.00
η_6	–5.33	[–9.62; –0.98]	2238	1.00

Grea, Sweden – GPLM0



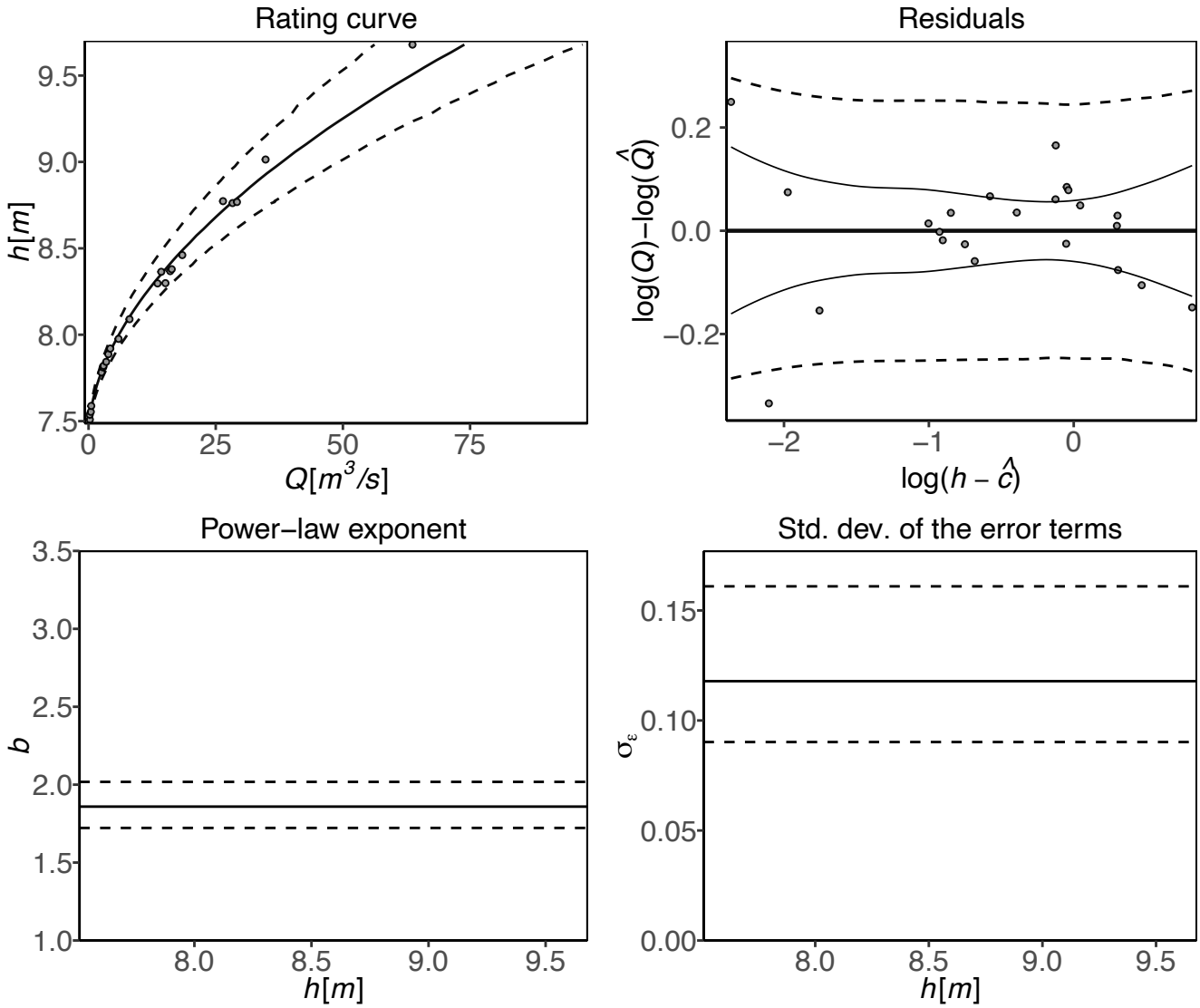
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.10	[14.63; 17.35]	6481	1.00
b	1.84	[1.83; 1.84]	9848	1.00
c	7.41	[7.34; 7.43]	2345	1.00
σ_ε	0.11	[0.08; 0.15]	3736	1.00
σ_β	0.33	[0.06; 0.77]	1059	1.01
ϕ_β	5.48	[0.45; 9245.09]	907	1.01

Grea, Sweden – PLM



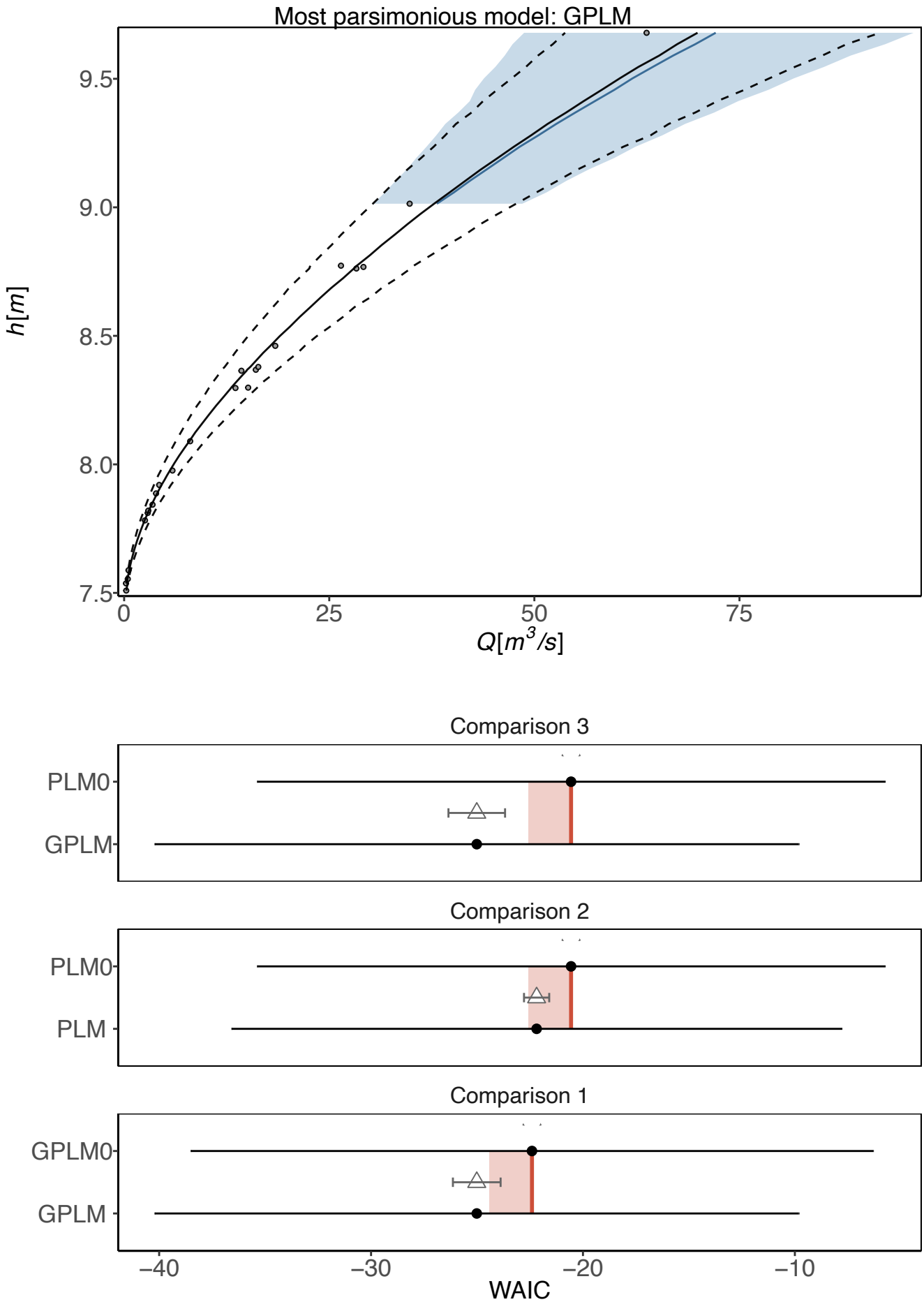
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.20	[14.99; 17.34]	4165	1.00
b	1.85	[1.71; 2.01]	2543	1.00
c	7.42	[7.39; 7.44]	2261	1.00
σ_η	0.11	[0.00; 0.58]	1569	1.01
η_1	–4.21	[–4.76; –3.51]	2621	1.00
η_2	–4.73	[–6.58; –2.66]	2987	1.00
η_3	–5.08	[–7.59; –2.09]	2591	1.00
η_4	–5.11	[–8.26; –1.63]	2476	1.00
η_5	–5.07	[–8.75; –1.15]	2504	1.00
η_6	–4.96	[–9.06; –0.69]	2481	1.00

Grea, Sweden – PLM0



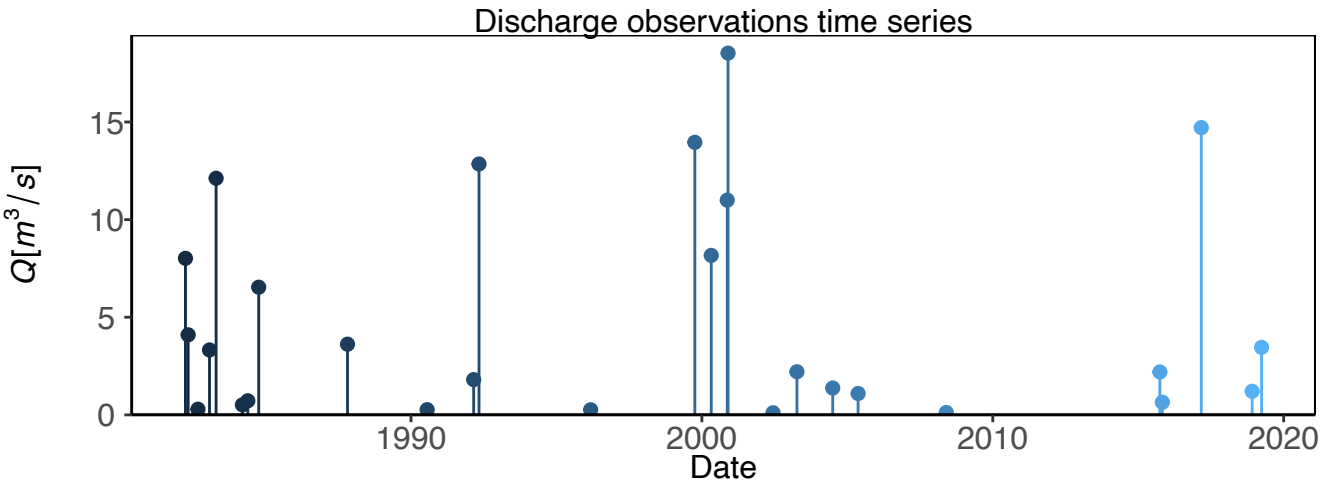
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.13	[14.90; 17.35]	13113	1.00
b	1.86	[1.72; 2.02]	11094	1.00
c	7.42	[7.39; 7.44]	9973	1.00
σ_ε	0.12	[0.09; 0.16]	8939	1.00

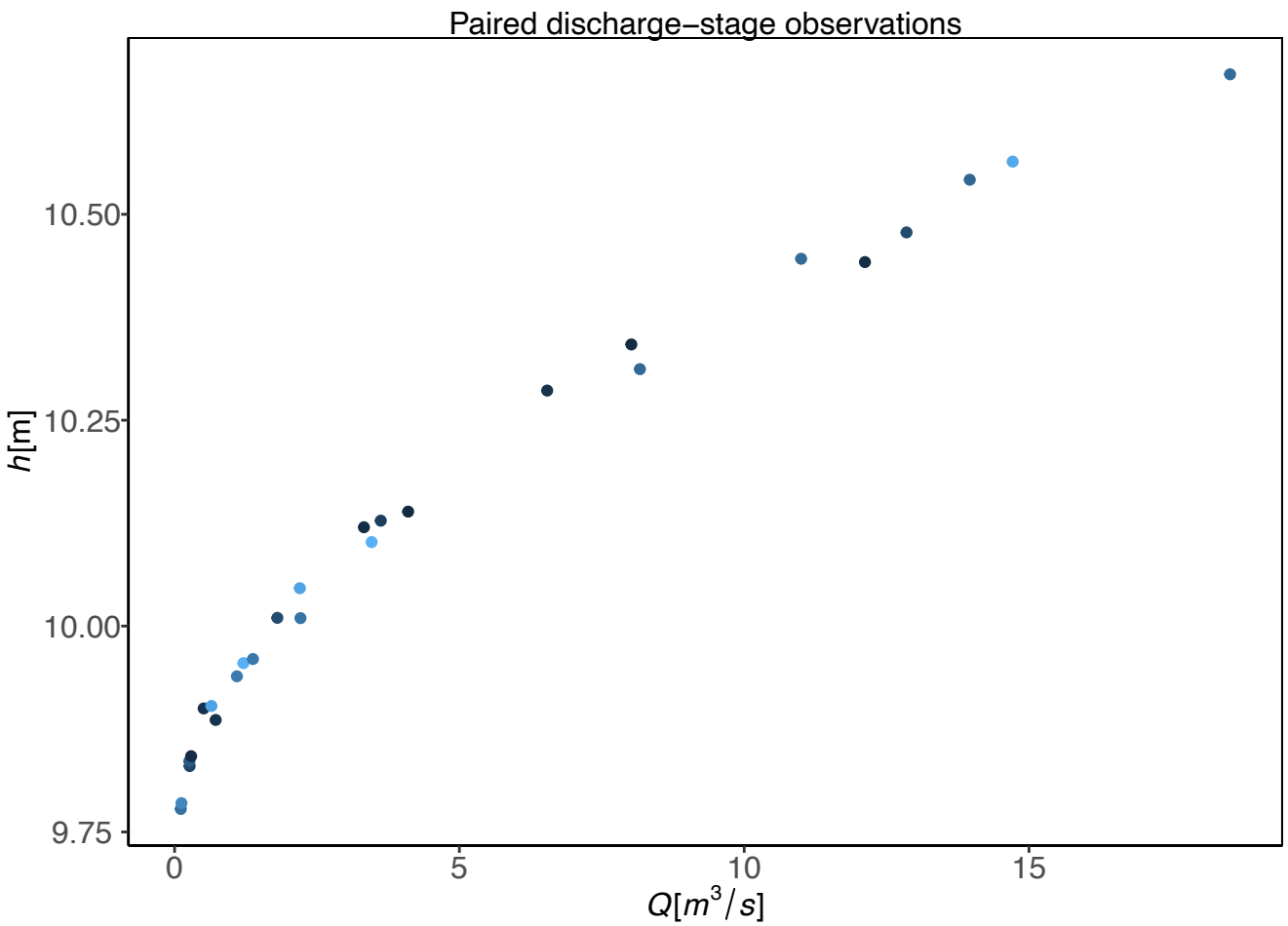
Power−law tournament results for Grea, Sweden



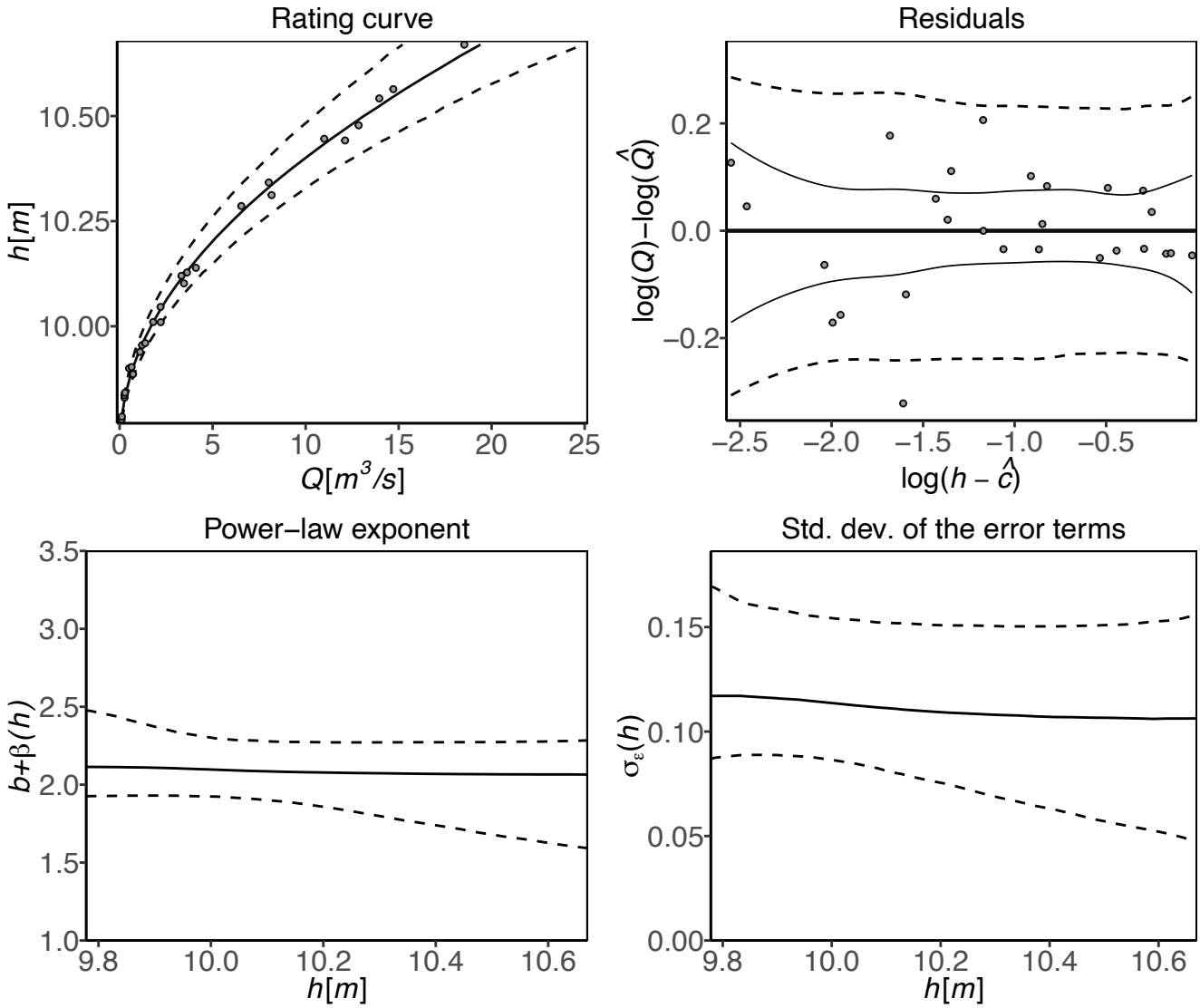
Station name:	Arnestorp
Location:	Sweden
Station number:	2311
Number of observations:	27
Start date:	1982–04–01
End date:	2019–03–30
Max. discharge (m^3/s):	18.5
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.36
GPLM0	1.38	0.18
PLM	0.52	0.28
PLM0	1.43	0.18



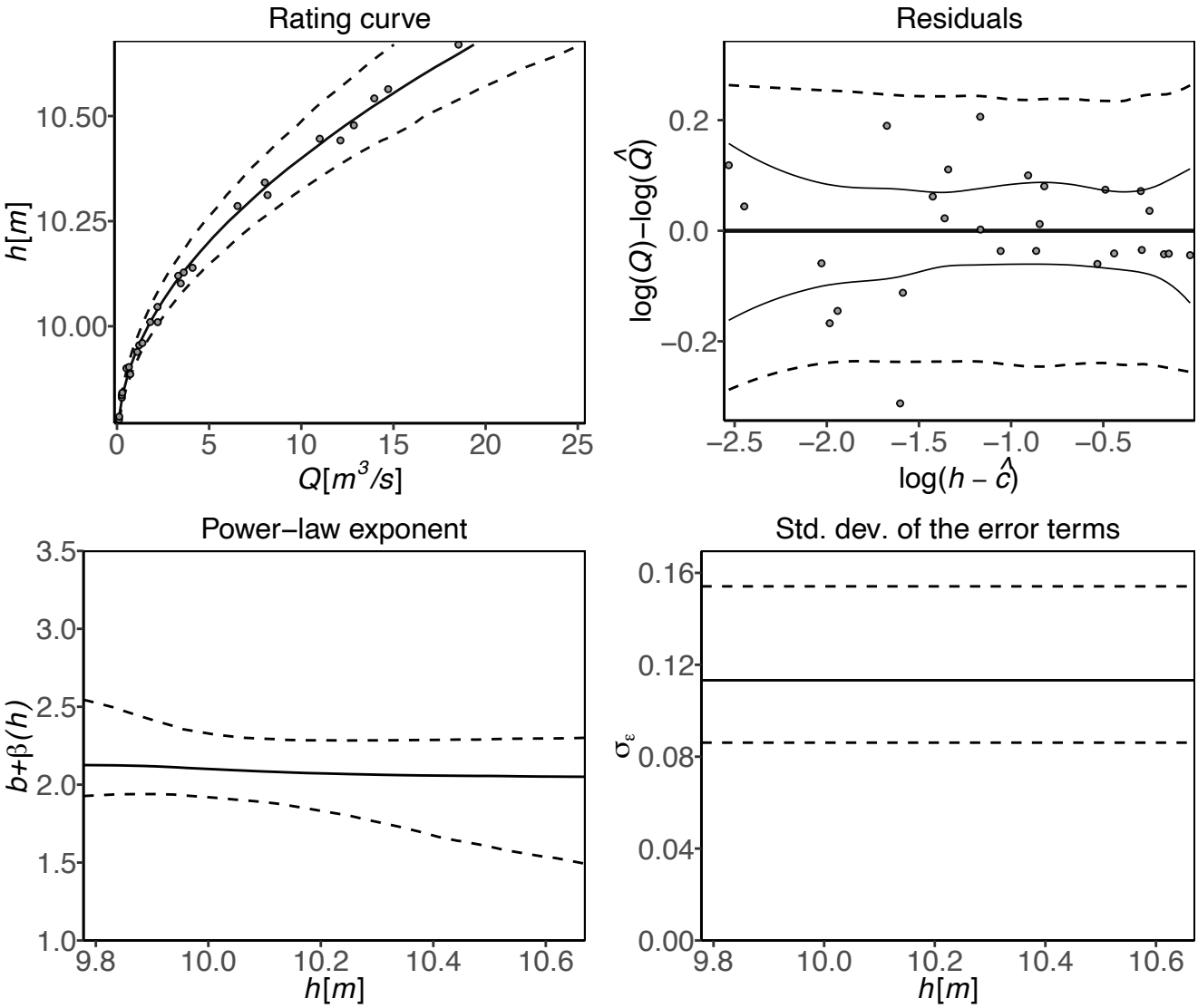


Arnestorp, Sweden – GPLM



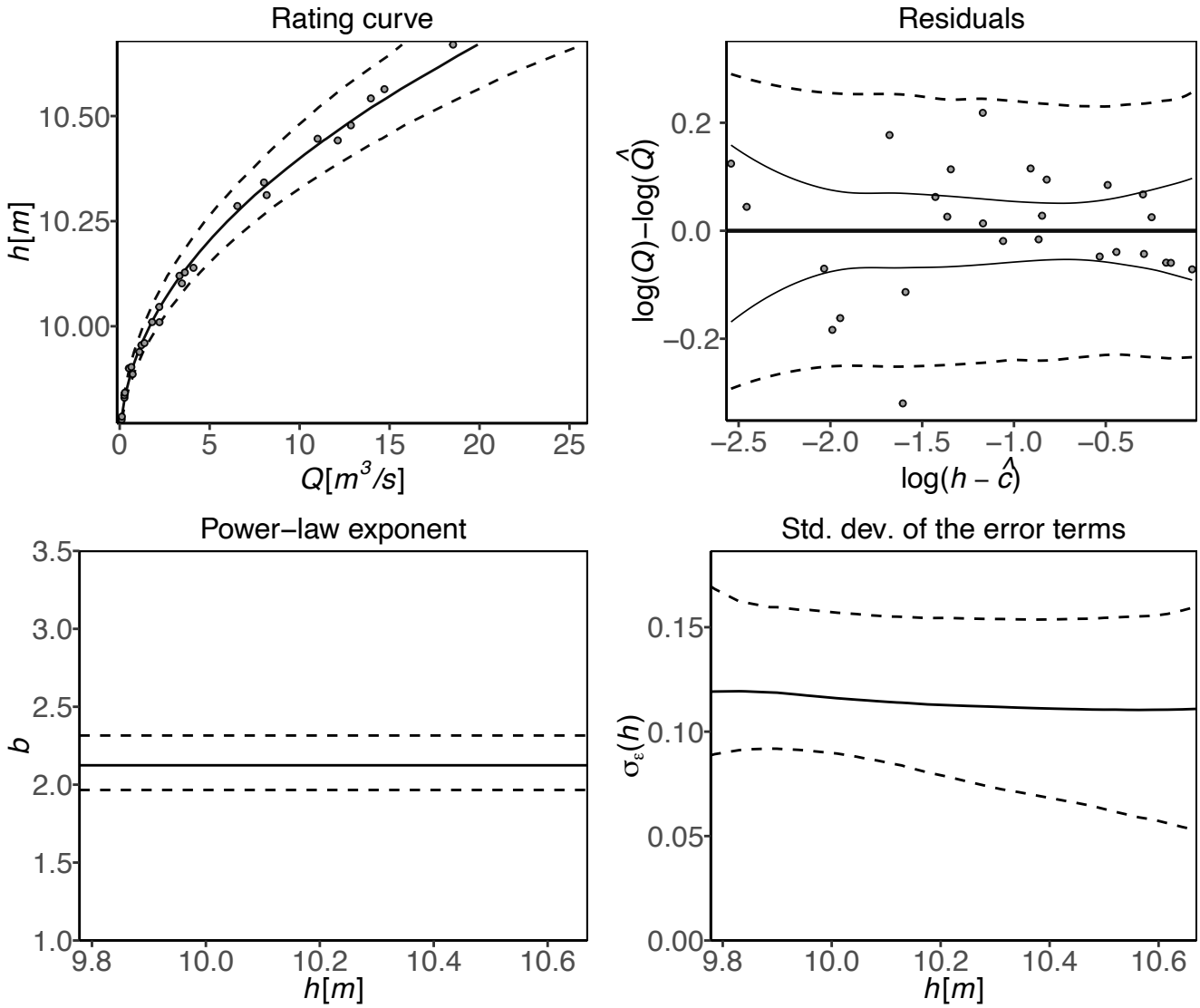
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	20.79	[17.41; 22.80]	2128	1.01
b	1.84	[1.83; 1.84]	6747	1.00
c	9.70	[9.65; 9.72]	2219	1.00
σ_β	0.26	[0.08; 0.74]	1774	1.00
ϕ_β	16.19	[0.36; 4554.44]	814	1.05
σ_η	0.11	[0.00; 0.60]	1602	1.00
η_1	–4.29	[–4.89; –3.55]	1807	1.00
η_2	–4.29	[–6.18; –2.52]	1776	1.00
η_3	–4.75	[–7.35; –2.13]	2024	1.00
η_4	–5.19	[–8.22; –1.63]	1992	1.00
η_5	–5.35	[–9.05; –1.34]	1846	1.00
η_6	–5.41	[–9.54; –0.96]	1828	1.00

Arnestorp, Sweden – GPLM0



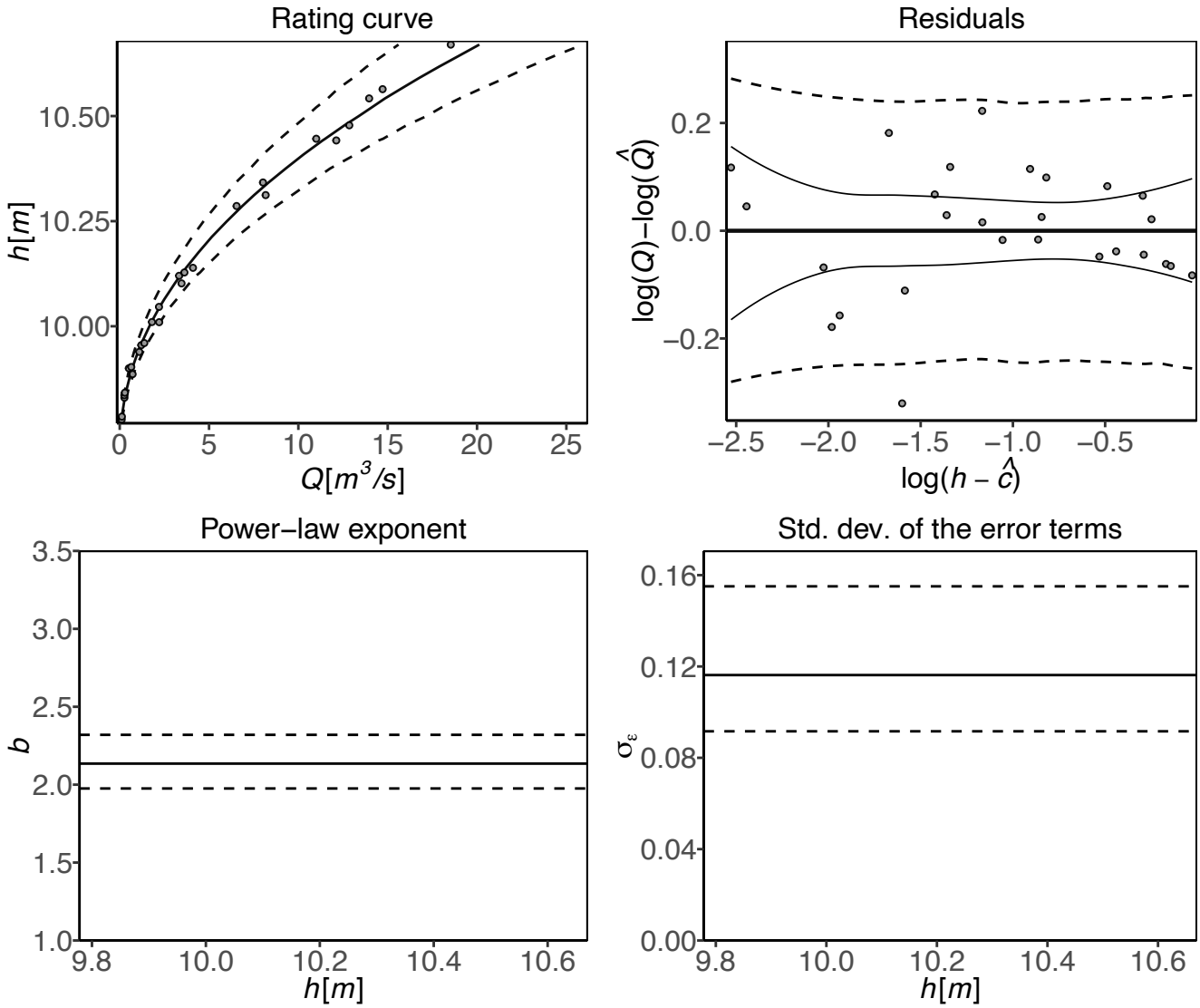
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	20.66	[16.91; 22.87]	3683	1.00
b	1.84	[1.83; 1.84]	9542	1.00
c	9.70	[9.64; 9.72]	3991	1.00
σ_ε	0.11	[0.09; 0.15]	3936	1.00
σ_β	0.53	[0.30; 0.90]	3582	1.00
ϕ_β	6.00	[0.28; 2386.29]	1054	1.01

Arnestorp, Sweden – PLM



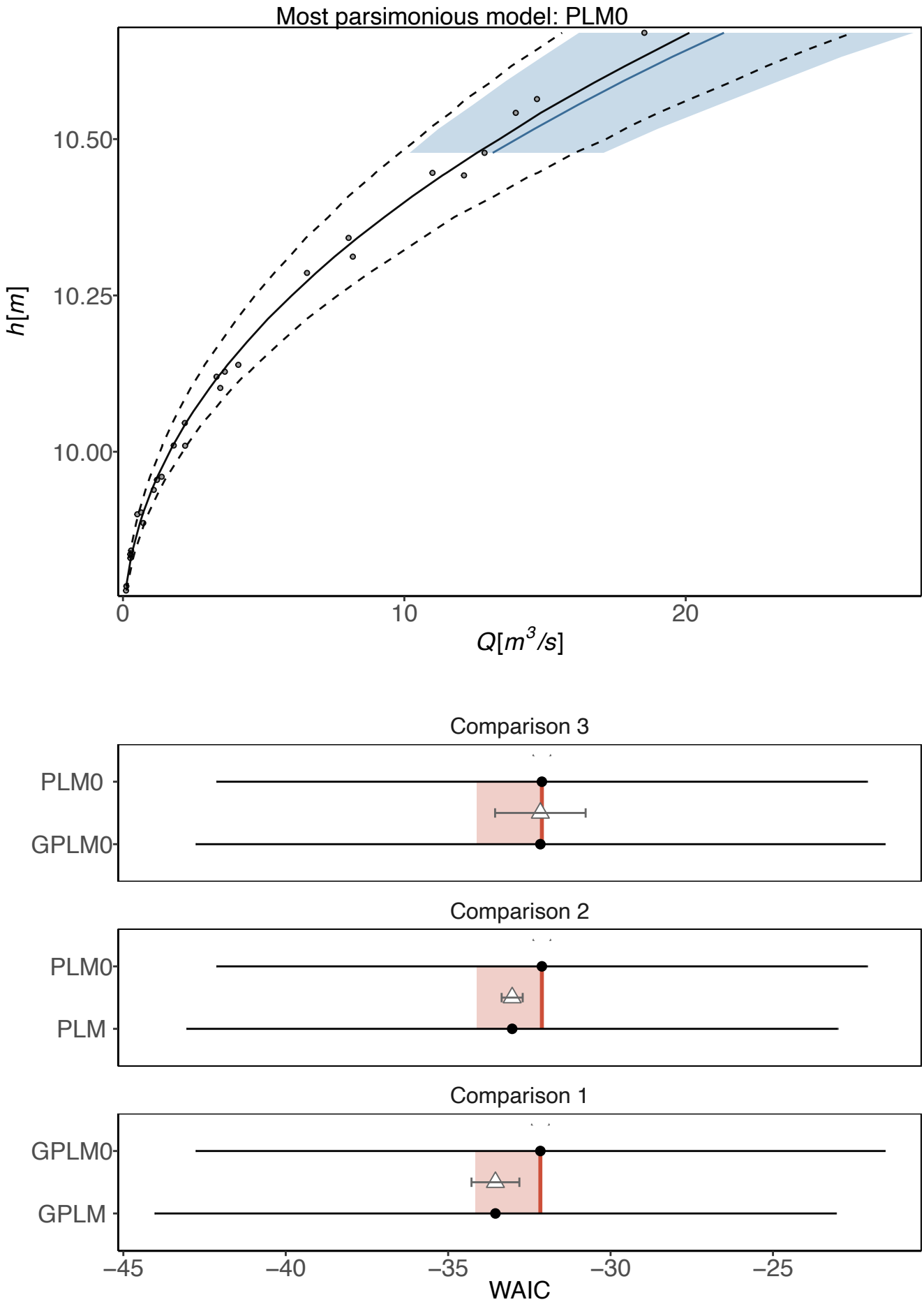
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	21.26	[19.61; 23.13]	9405	1.00
b	2.12	[1.97; 2.32]	2531	1.00
c	9.70	[9.68; 9.72]	2274	1.00
σ_η	0.10	[0.00; 0.59]	2034	1.00
η_1	–4.25	[–4.85; –3.55]	2165	1.00
η_2	–4.21	[–6.09; –2.42]	2634	1.00
η_3	–4.61	[–7.11; –1.85]	2744	1.00
η_4	–4.98	[–8.16; –1.50]	2761	1.00
η_5	–5.17	[–8.81; –1.12]	2795	1.00
η_6	–5.16	[–9.39; –0.82]	2794	1.00

Arnestorp, Sweden – PLM0



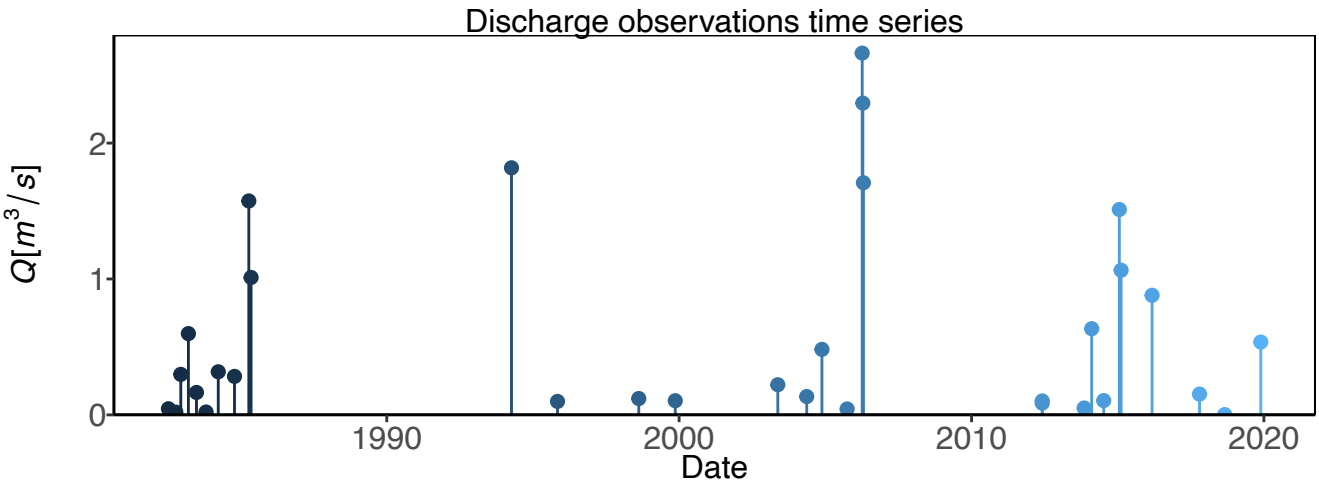
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	21.34	[19.62; 23.18]	17391	1.00
b	2.14	[1.98; 2.32]	10007	1.00
c	9.70	[9.68; 9.71]	9146	1.00
σ_ε	0.12	[0.09; 0.16]	8854	1.00

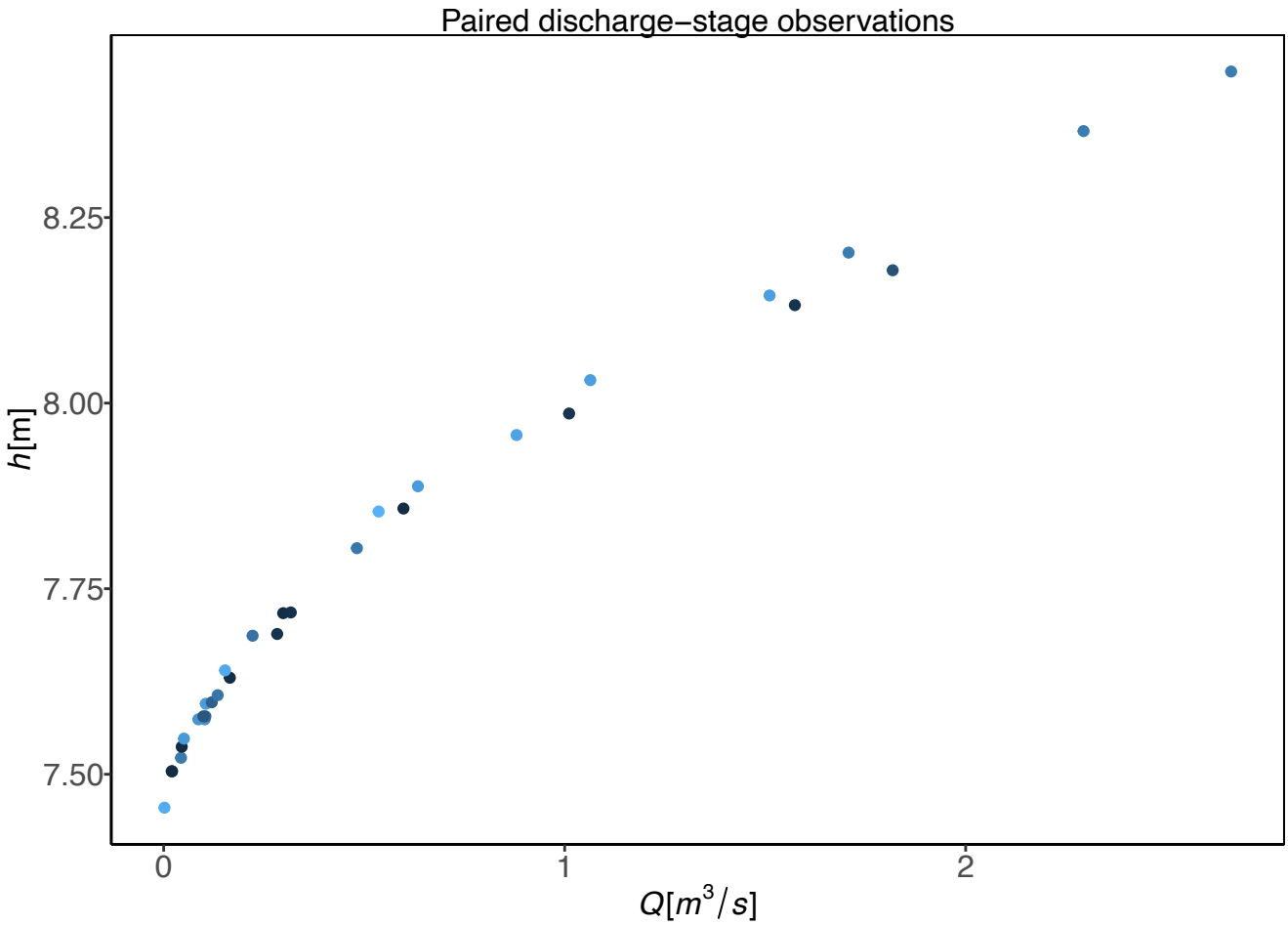
Power−law tournament results for Arnestorp, Sweden



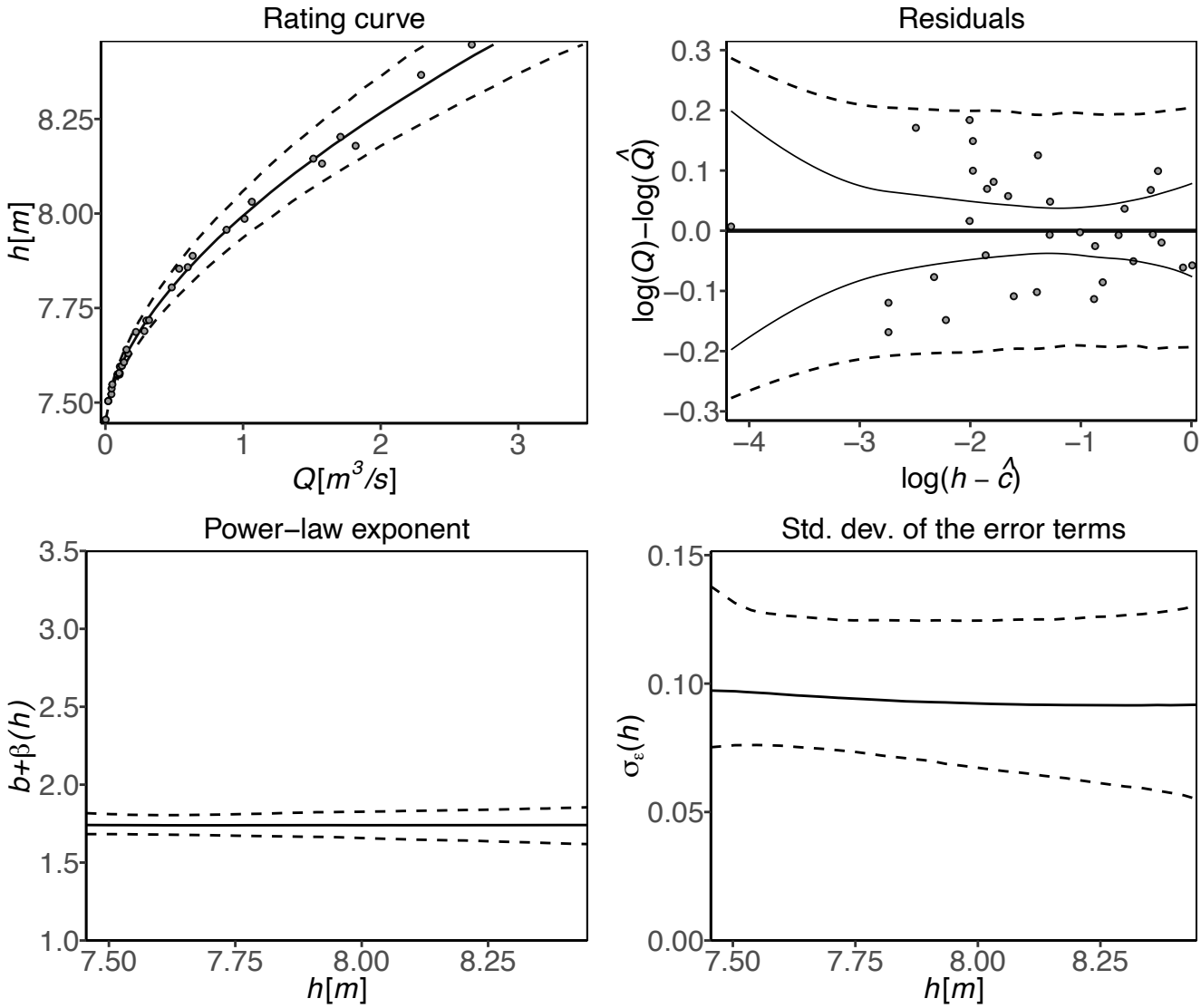
Station name:	Boasjöbäck
Location:	Sweden
Station number:	2318
Number of observations:	32
Start date:	1982–07–15
End date:	2019–11–23
Max. discharge (m^3/s):	2.7
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.51	0.25
GPLM0	0.98	0.20
PLM	0.00	0.32
PLM0	0.63	0.23



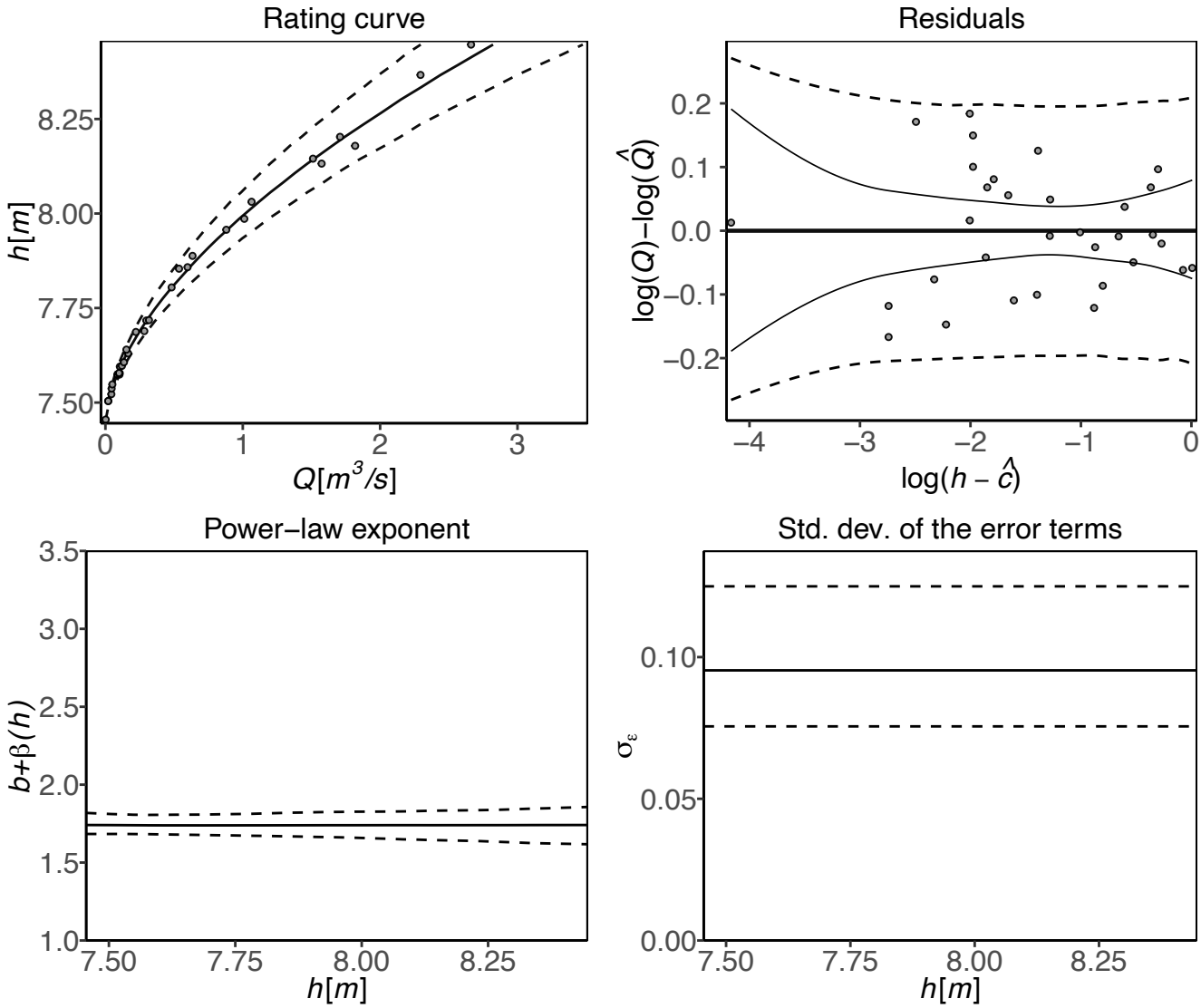


Boasjöbäck, Sweden – GPLM



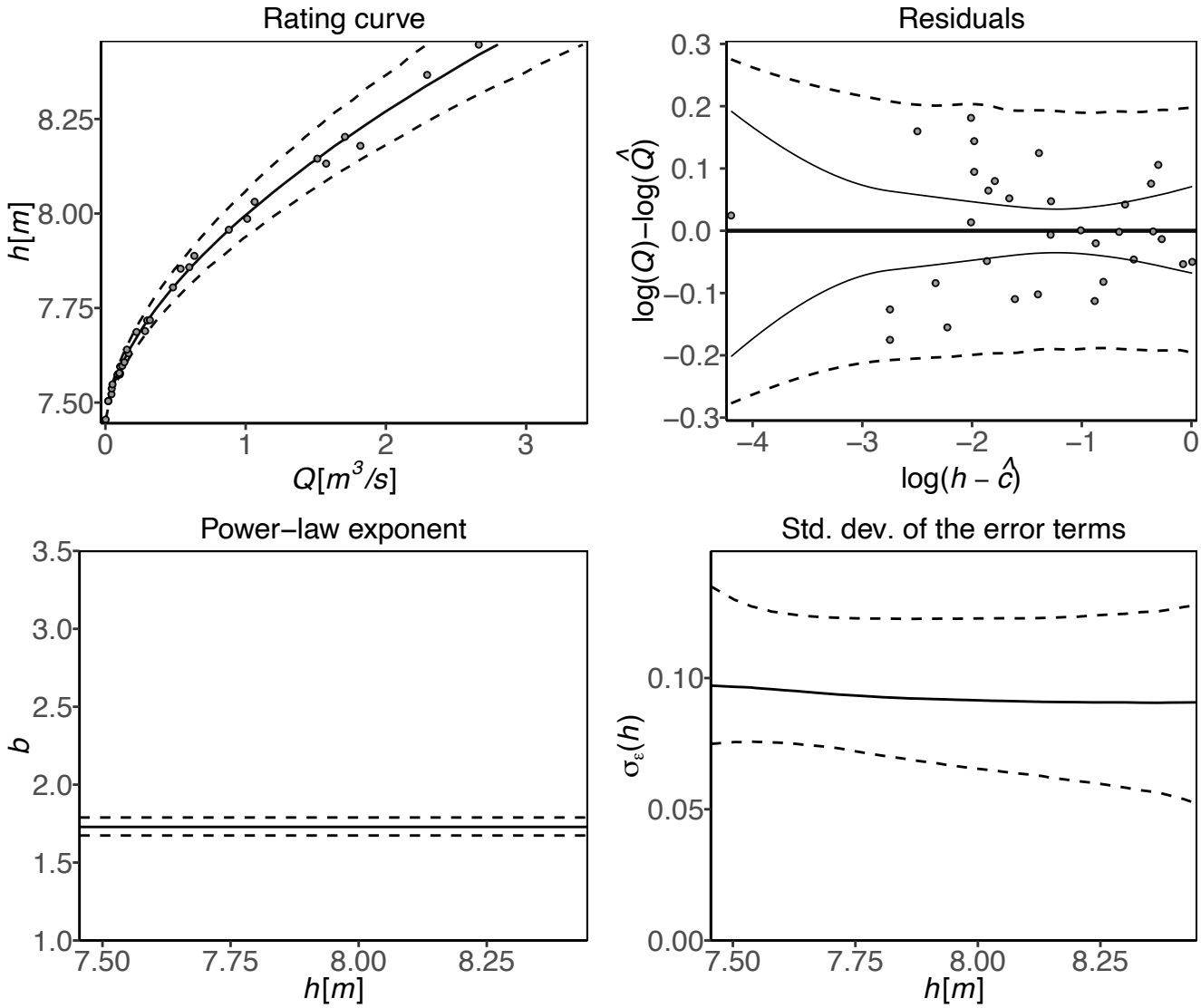
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.79	[2.58; 3.00]	5023	1.00
b	1.83	[1.83; 1.84]	8335	1.00
c	7.44	[7.44; 7.44]	1695	1.00
σ_β	0.13	[0.03; 0.53]	2209	1.00
ϕ_β	16.25	[0.52; 12428.41]	1424	1.00
σ_η	0.09	[0.00; 0.48]	1512	1.00
η_1	–4.66	[–5.17; –3.96]	1860	1.00
η_2	–4.79	[–6.64; –2.93]	2154	1.00
η_3	–5.14	[–7.61; –2.41]	2374	1.00
η_4	–5.39	[–8.47; –1.98]	2282	1.00
η_5	–5.41	[–8.96; –1.41]	2397	1.00
η_6	–5.44	[–9.60; –0.93]	2127	1.00

Boasjöbäck, Sweden – GPLM0



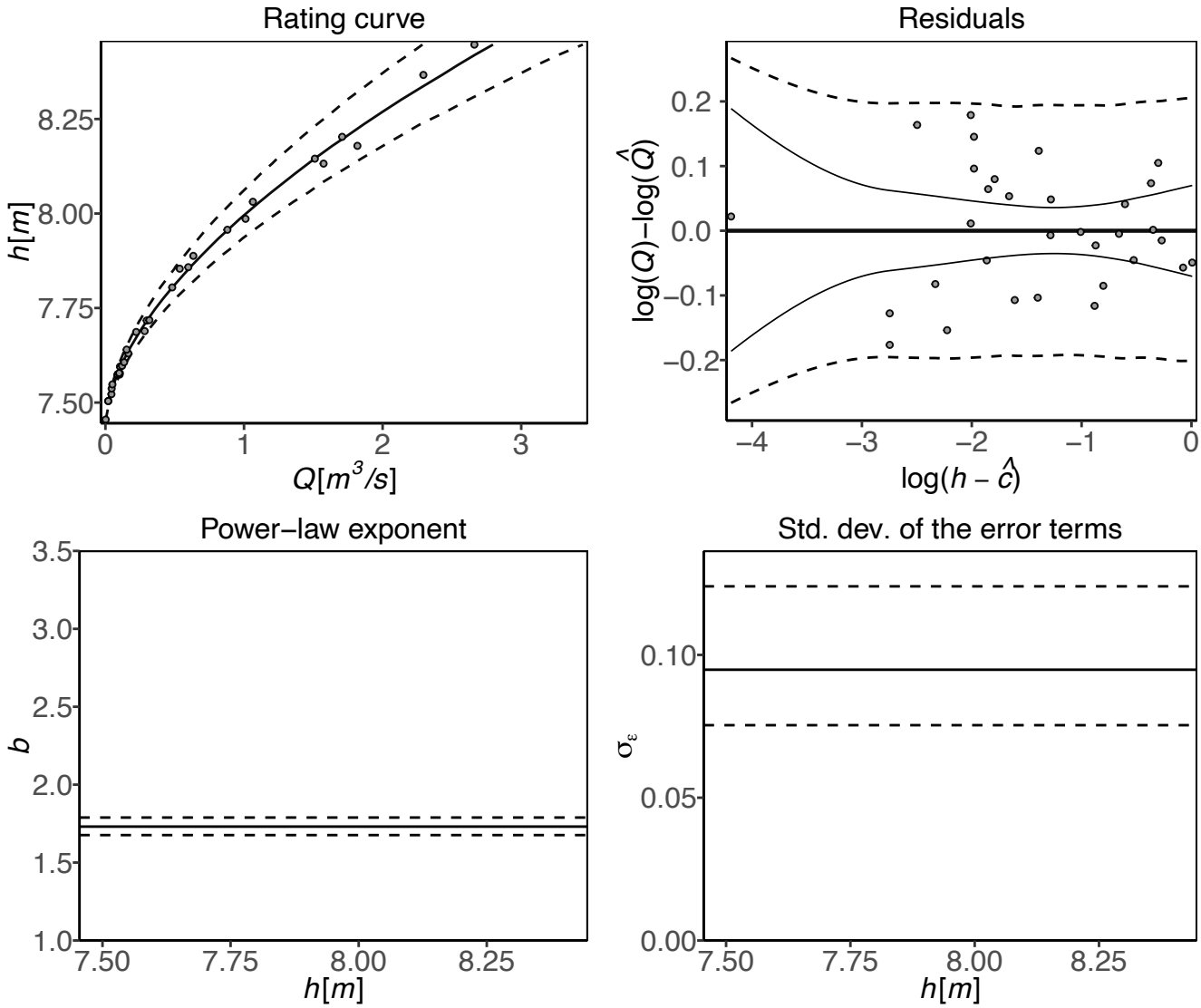
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.79	[2.59; 3.01]	7983	1.00
b	1.83	[1.83; 1.84]	11123	1.00
c	7.44	[7.44; 7.44]	3229	1.00
σ_ε	0.10	[0.08; 0.12]	4551	1.00
σ_β	0.36	[0.18; 0.71]	3855	1.00
ϕ_β	18.47	[0.53; 10661.48]	3002	1.00

Boasjöbäck, Sweden – PLM



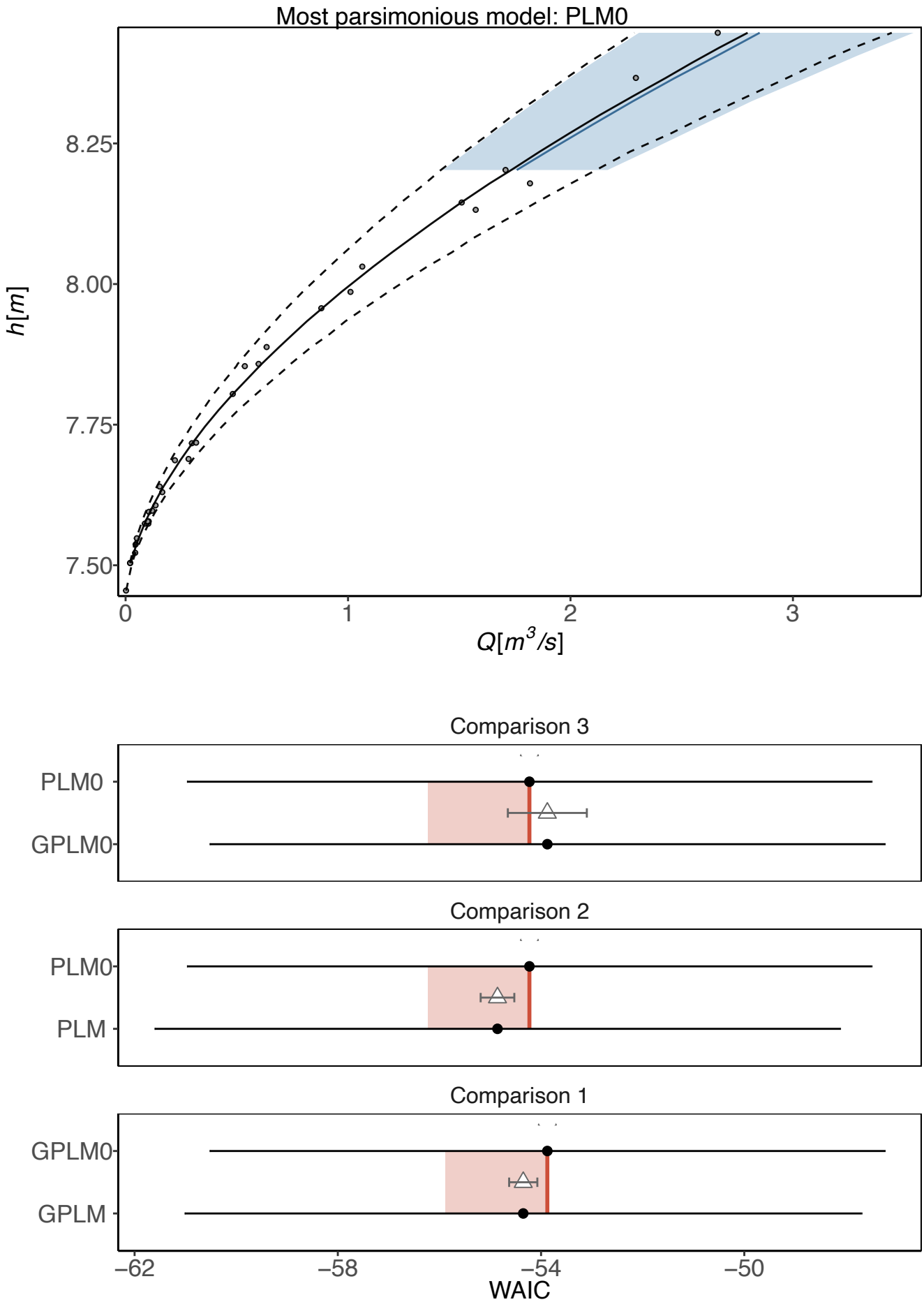
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.76	[2.58; 2.96]	6576	1.00
b	1.73	[1.67; 1.79]	3377	1.00
c	7.44	[7.44; 7.44]	2339	1.00
σ_η	0.10	[0.00; 0.50]	2068	1.00
η_1	–4.66	[–5.18; –4.01]	2171	1.00
η_2	–4.77	[–6.60; –2.94]	2532	1.00
η_3	–5.19	[–7.71; –2.43]	2753	1.00
η_4	–5.40	[–8.47; –1.93]	2785	1.00
η_5	–5.53	[–9.15; –1.43]	2663	1.00
η_6	–5.54	[–9.70; –1.12]	2699	1.00

Boasjöbäck, Sweden – PLM0



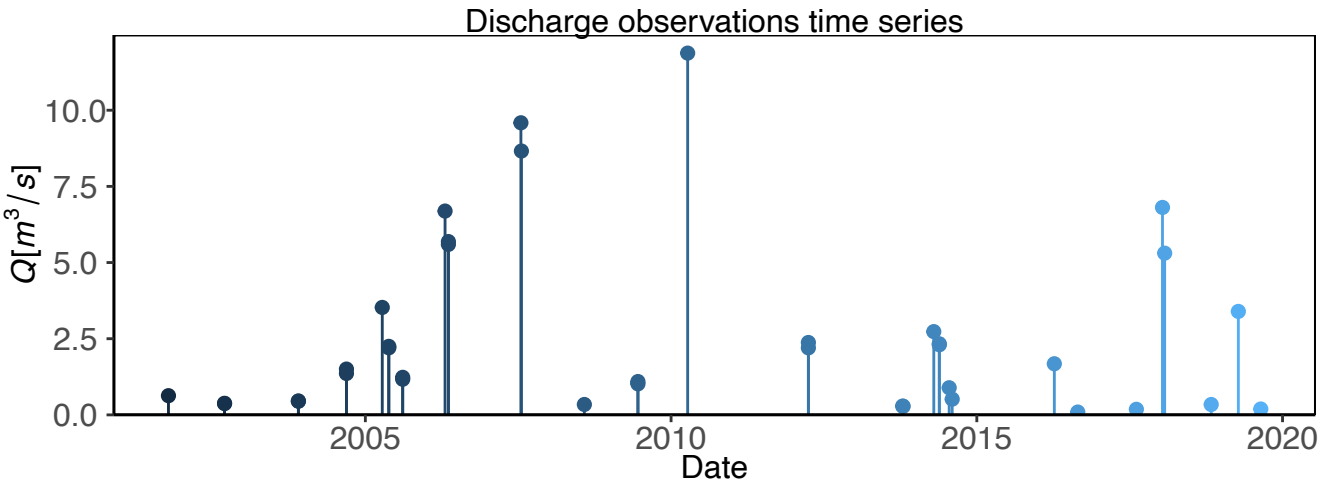
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.77	[2.58; 2.96]	13592	1.00
b	1.73	[1.68; 1.79]	11379	1.00
c	7.44	[7.44; 7.44]	9546	1.00
σ_ε	0.09	[0.08; 0.12]	8910	1.00

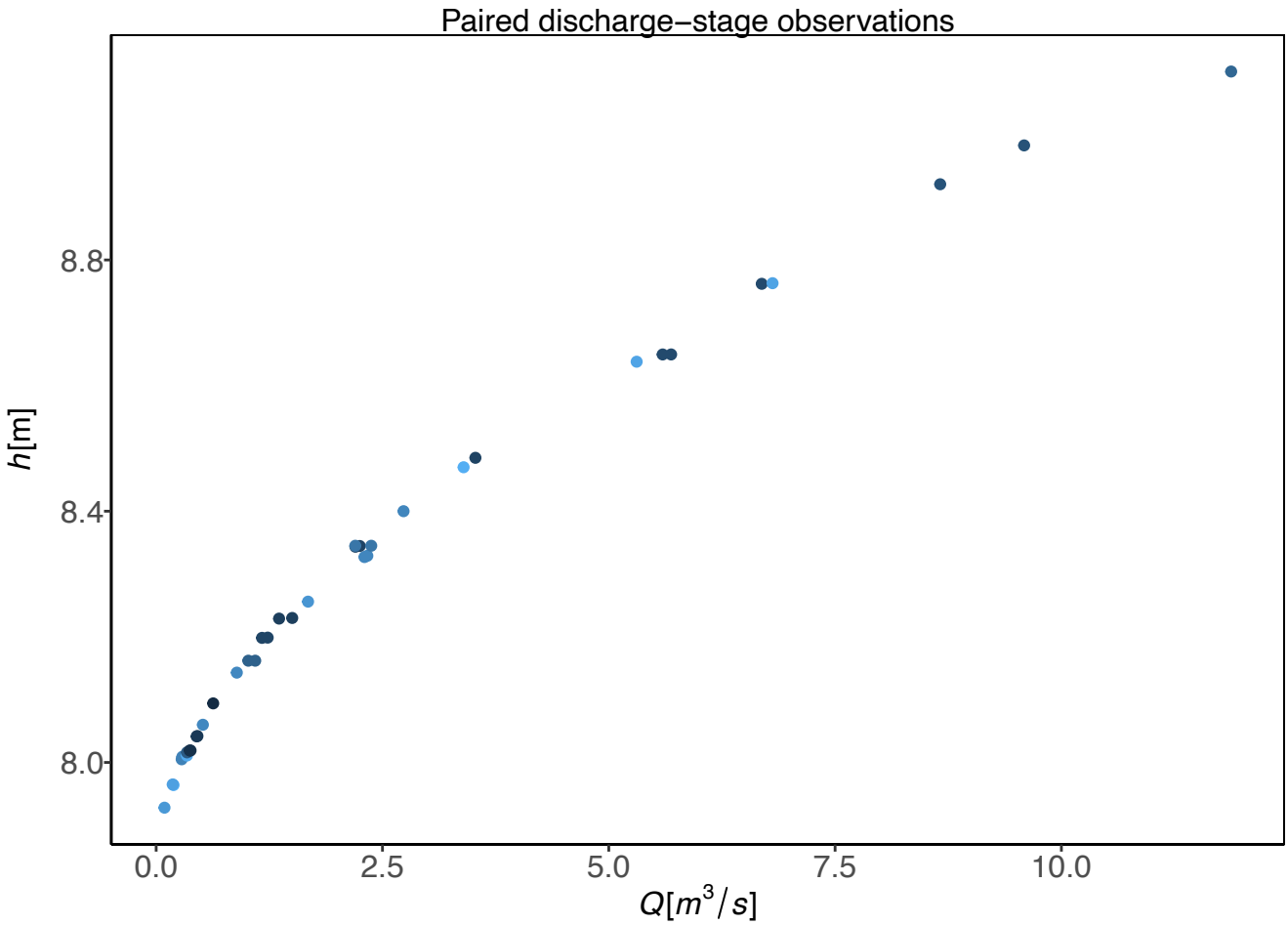
Power–law tournament results for Boasjöbäck, Sweden



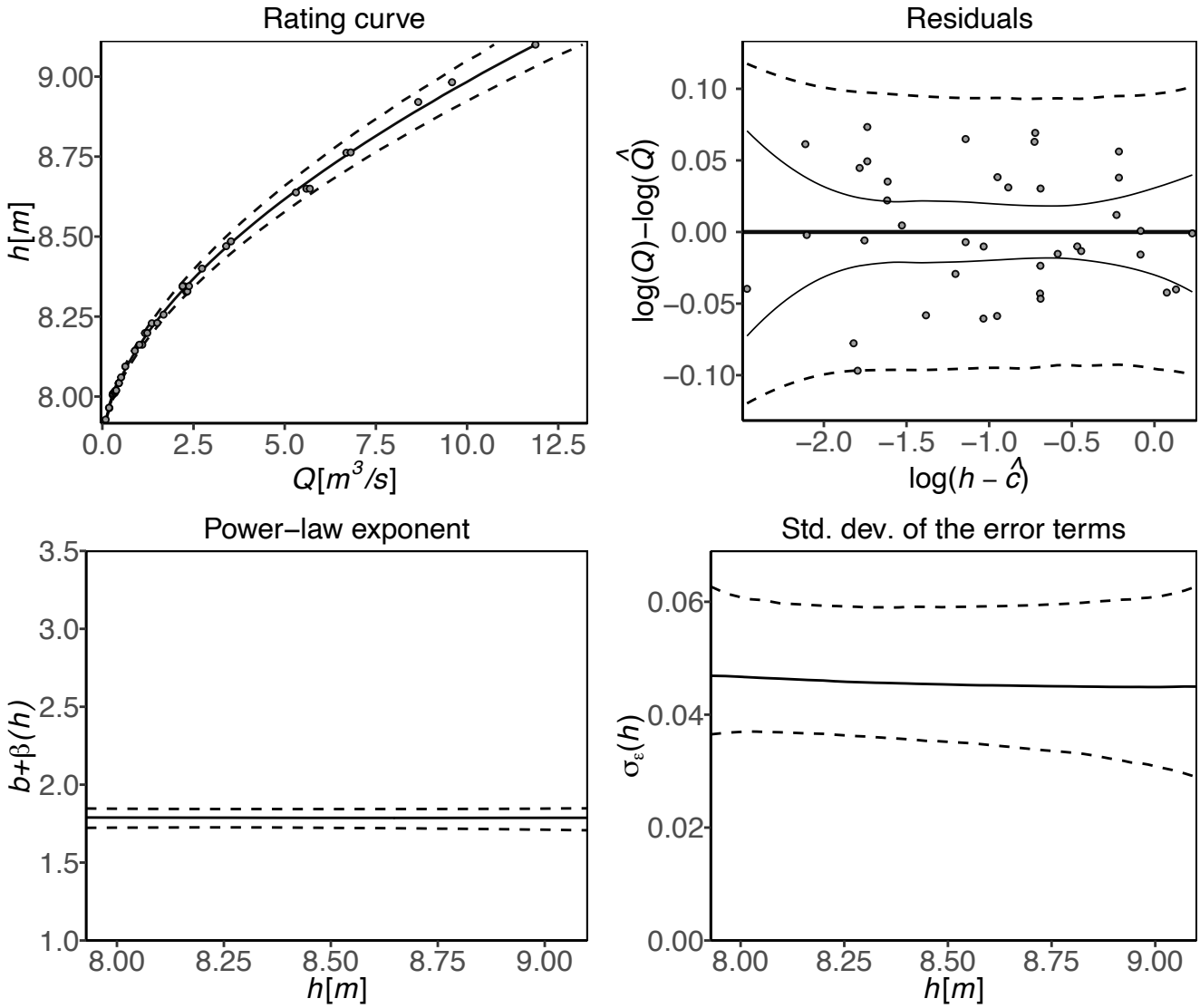
Station name:	Nytorp
Location:	Sweden
Station number:	2330
Number of observations:	38
Start date:	2001–10–13
End date:	2019–08–24
Max. discharge (m^3/s):	11.9
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.77	0.21
GPLM0	0.95	0.20
PLM	0.00	0.31
PLM0	0.27	0.27



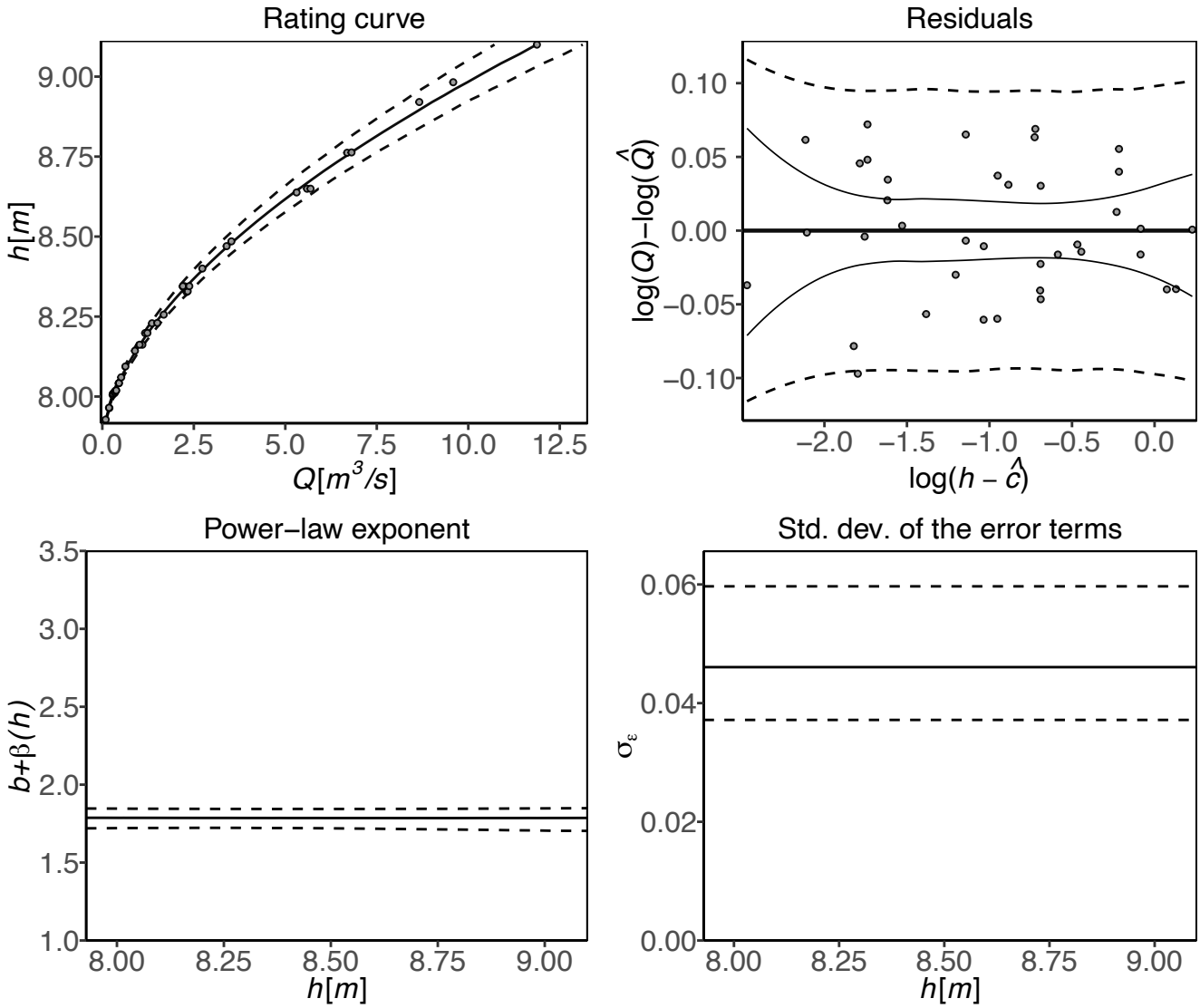


Nytorp, Sweden – GPLM



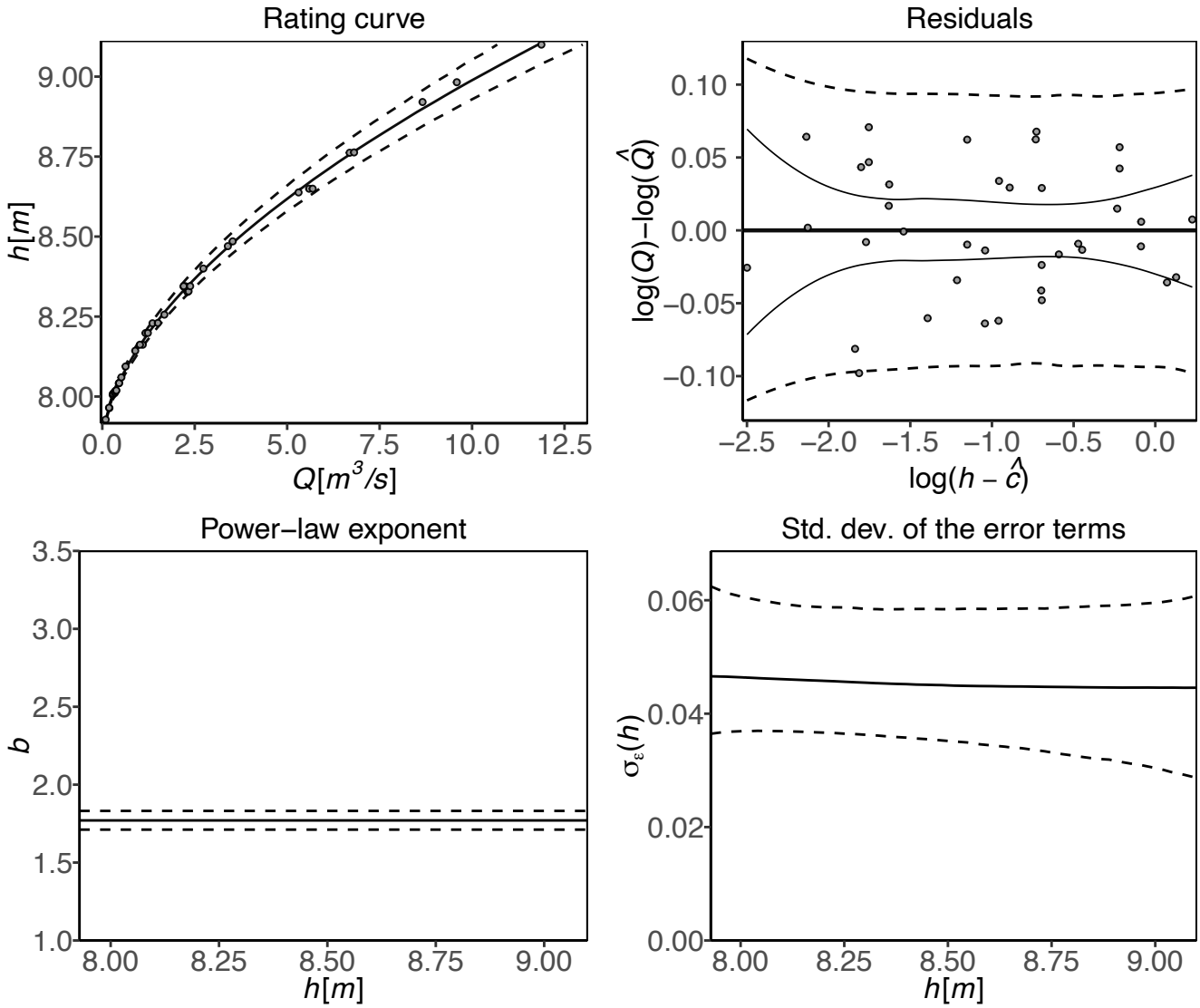
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.90	[7.68; 8.11]	6991	1.00
b	1.83	[1.83; 1.84]	8215	1.00
c	7.84	[7.83; 7.85]	1817	1.00
σ_β	0.08	[0.00; 0.41]	1396	1.00
ϕ_β	21.53	[0.92; 11438.19]	1417	1.00
σ_η	0.08	[0.00; 0.42]	1644	1.00
η_1	−6.12	[−6.62; −5.54]	2016	1.01
η_2	−6.21	[−8.10; −4.34]	2188	1.00
η_3	−6.45	[−9.01; −3.79]	2263	1.00
η_4	−6.62	[−9.67; −3.28]	2234	1.00
η_5	−6.67	[−10.28; −2.79]	2175	1.00
η_6	−6.70	[−10.81; −2.41]	2243	1.00

Nytorp, Sweden – GPLM0



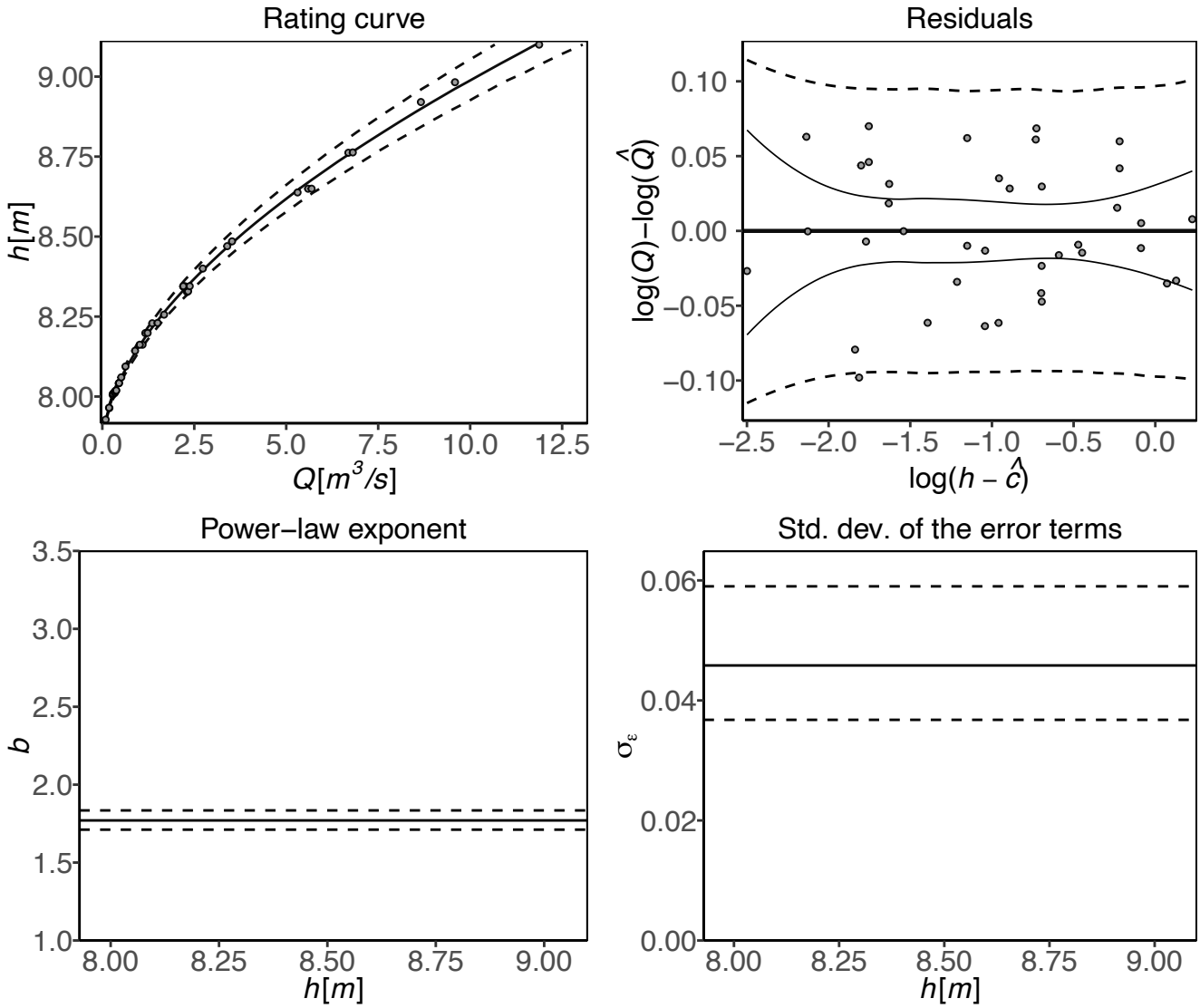
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.90	[7.68; 8.12]	11117	1.00
b	1.83	[1.83; 1.84]	11877	1.00
c	7.84	[7.83; 7.85]	3849	1.00
σ_ε	0.05	[0.04; 0.06]	5134	1.00
σ_β	0.29	[0.08; 0.65]	3040	1.00
ϕ_β	19.40	[0.91; 11176.23]	2876	1.00

Nytorp, Sweden – PLM



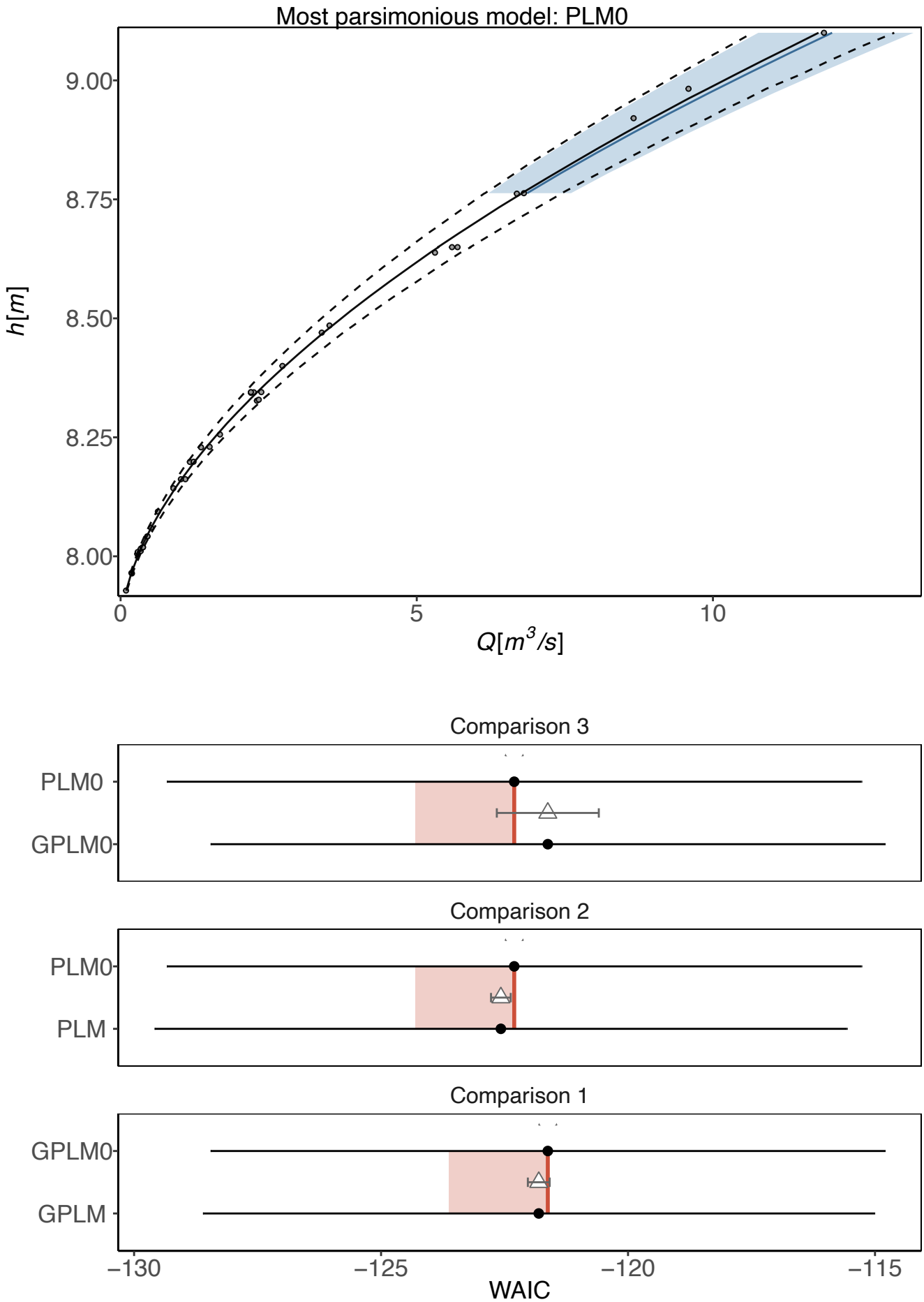
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.90	[7.69; 8.10]	9817	1.00
b	1.77	[1.71; 1.83]	2852	1.00
c	7.85	[7.84; 7.85]	2622	1.00
σ_η	0.08	[0.00; 0.43]	1801	1.00
η_1	–6.13	[–6.62; –5.55]	2446	1.00
η_2	–6.24	[–8.11; –4.31]	2773	1.00
η_3	–6.43	[–8.99; –3.74]	2739	1.00
η_4	–6.66	[–9.73; –3.27]	2969	1.00
η_5	–6.72	[–10.37; –2.92]	2958	1.00
η_6	–6.73	[–10.85; –2.42]	2645	1.00

Nytorp, Sweden – PLM0



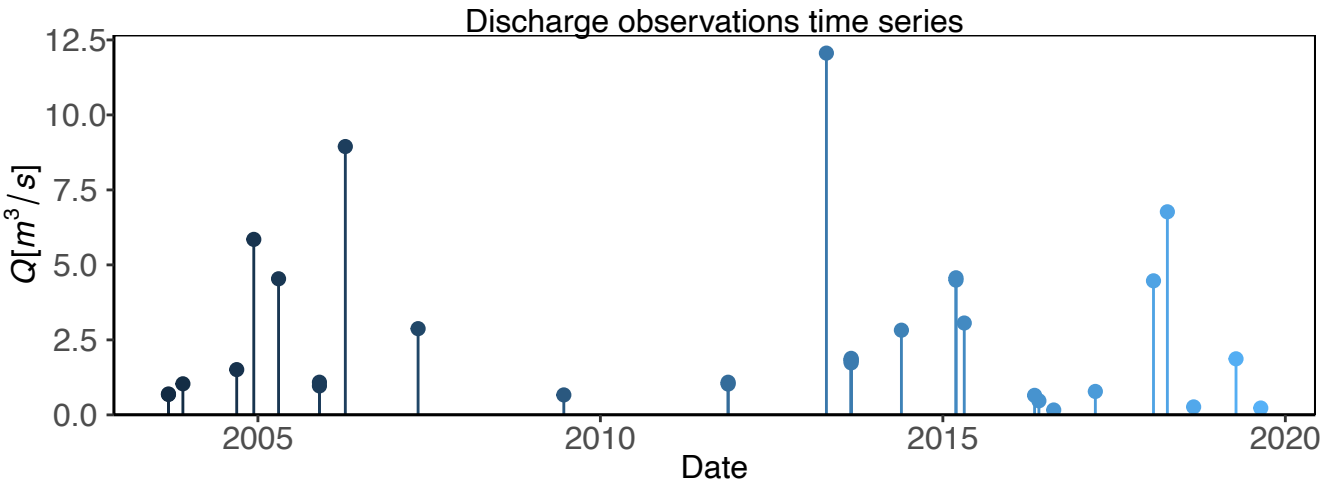
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.90	[7.68; 8.10]	15049	1.00
b	1.77	[1.71; 1.83]	9757	1.00
c	7.85	[7.84; 7.85]	9388	1.00
σ_ε	0.05	[0.04; 0.06]	8753	1.00

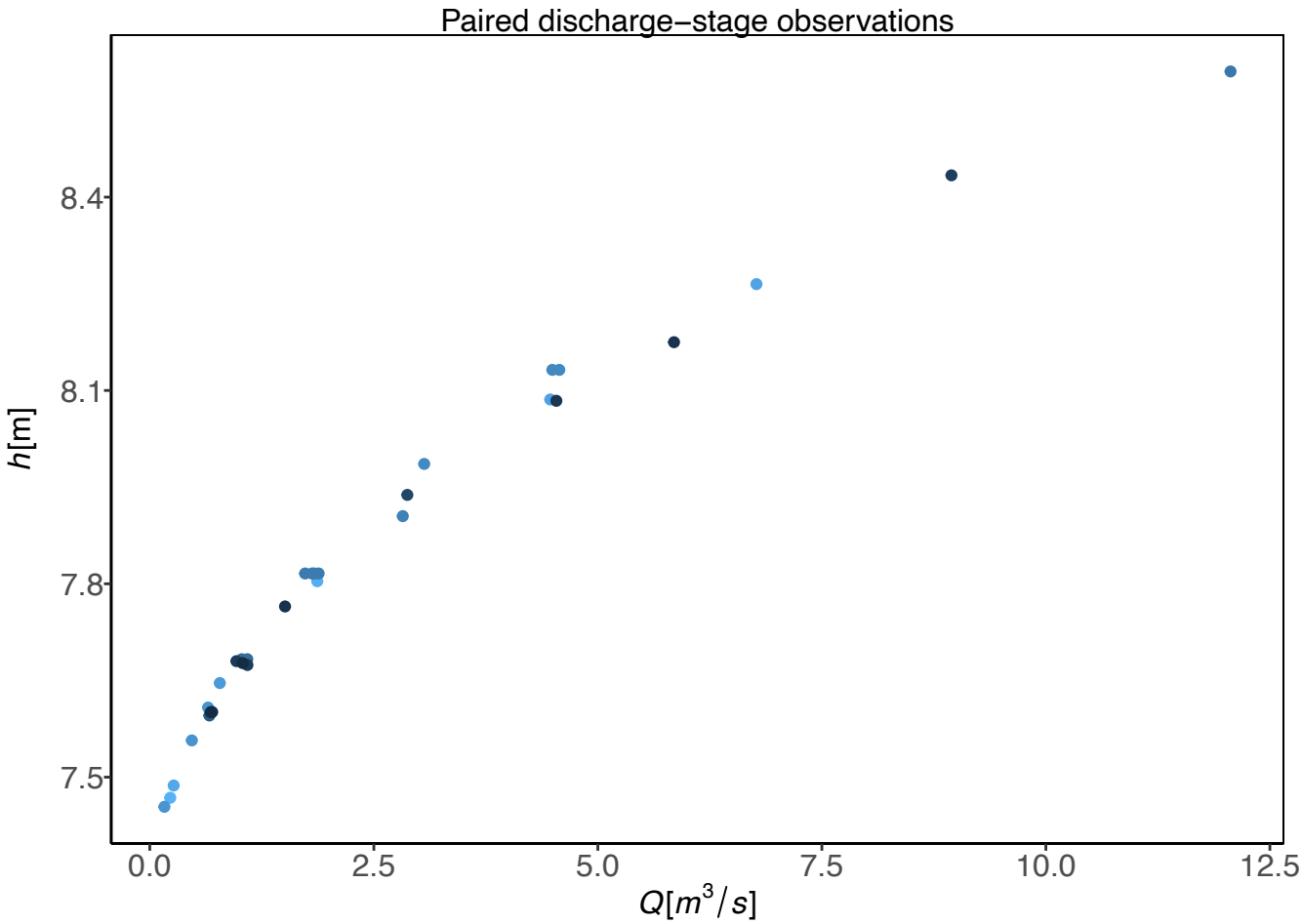
Power−law tournament results for Nytorp, Sweden



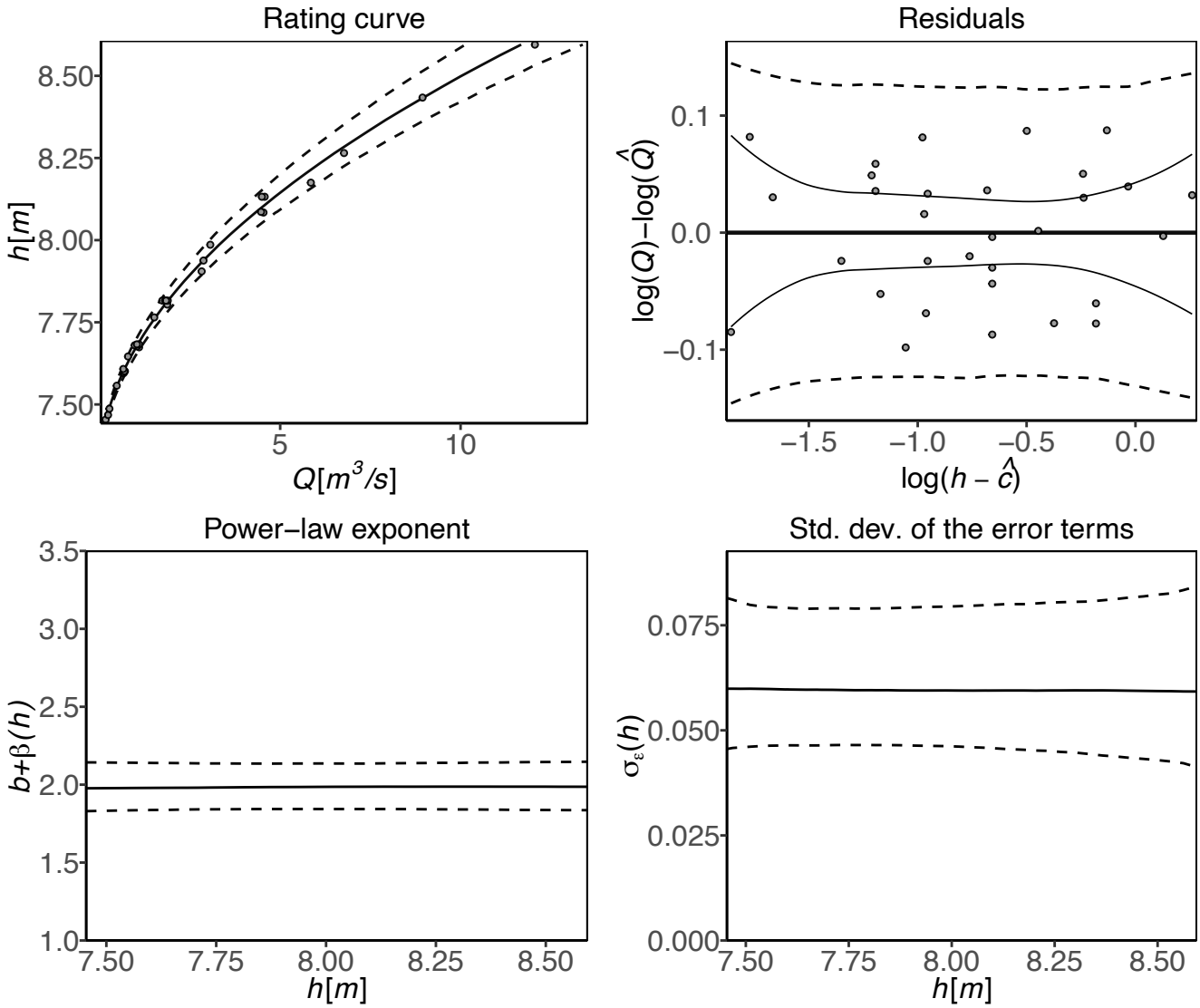
Station name:	Hälla
Location:	Sweden
Station number:	2331
Number of observations:	31
Start date:	2003–09–12
End date:	2019–08–23
Max. discharge (m^3/s):	12.1
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.62	0.21
GPLM0	0.55	0.22
PLM	0.01	0.28
PLM0	0.00	0.29



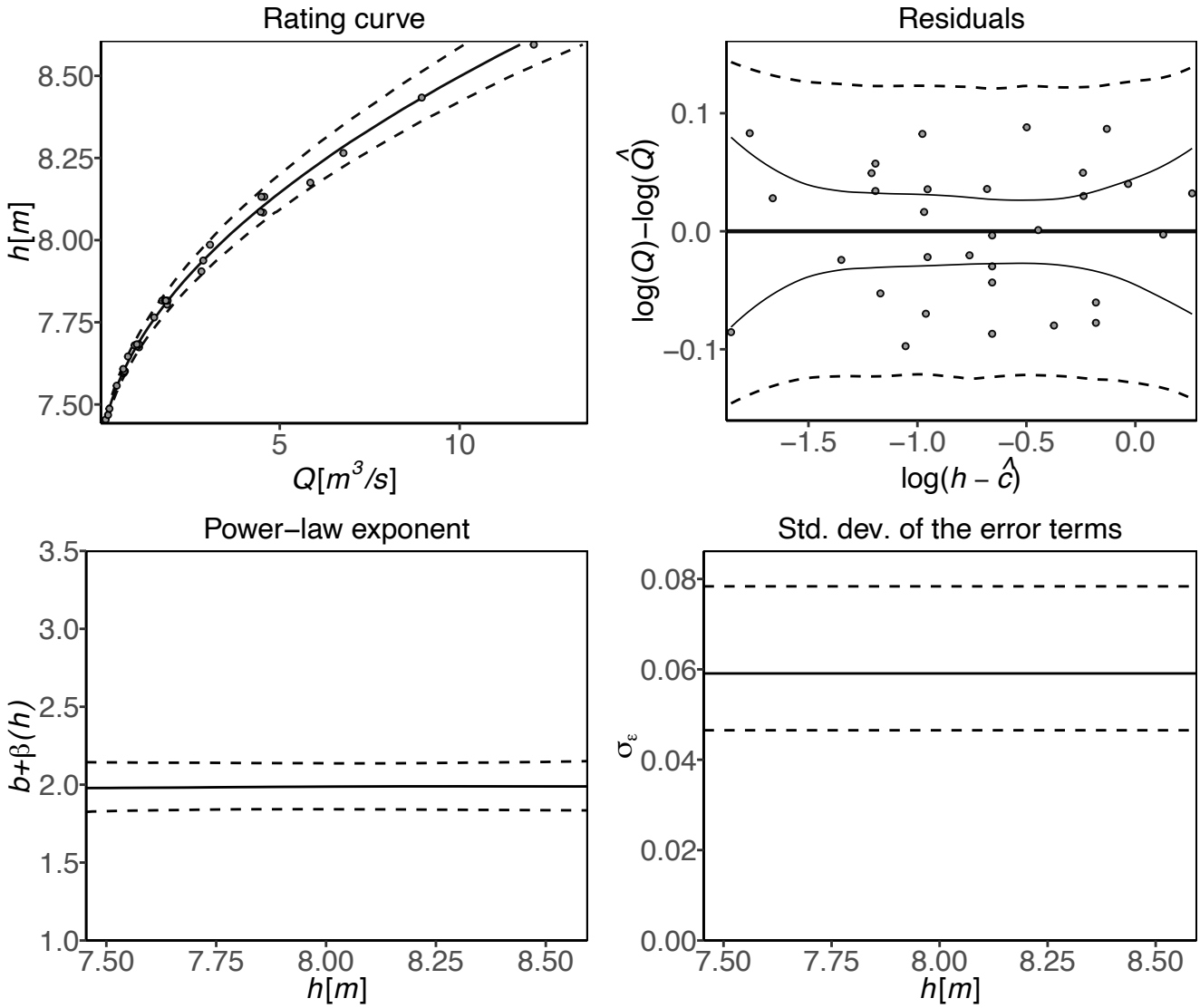


Hälla, Sweden – GPLM



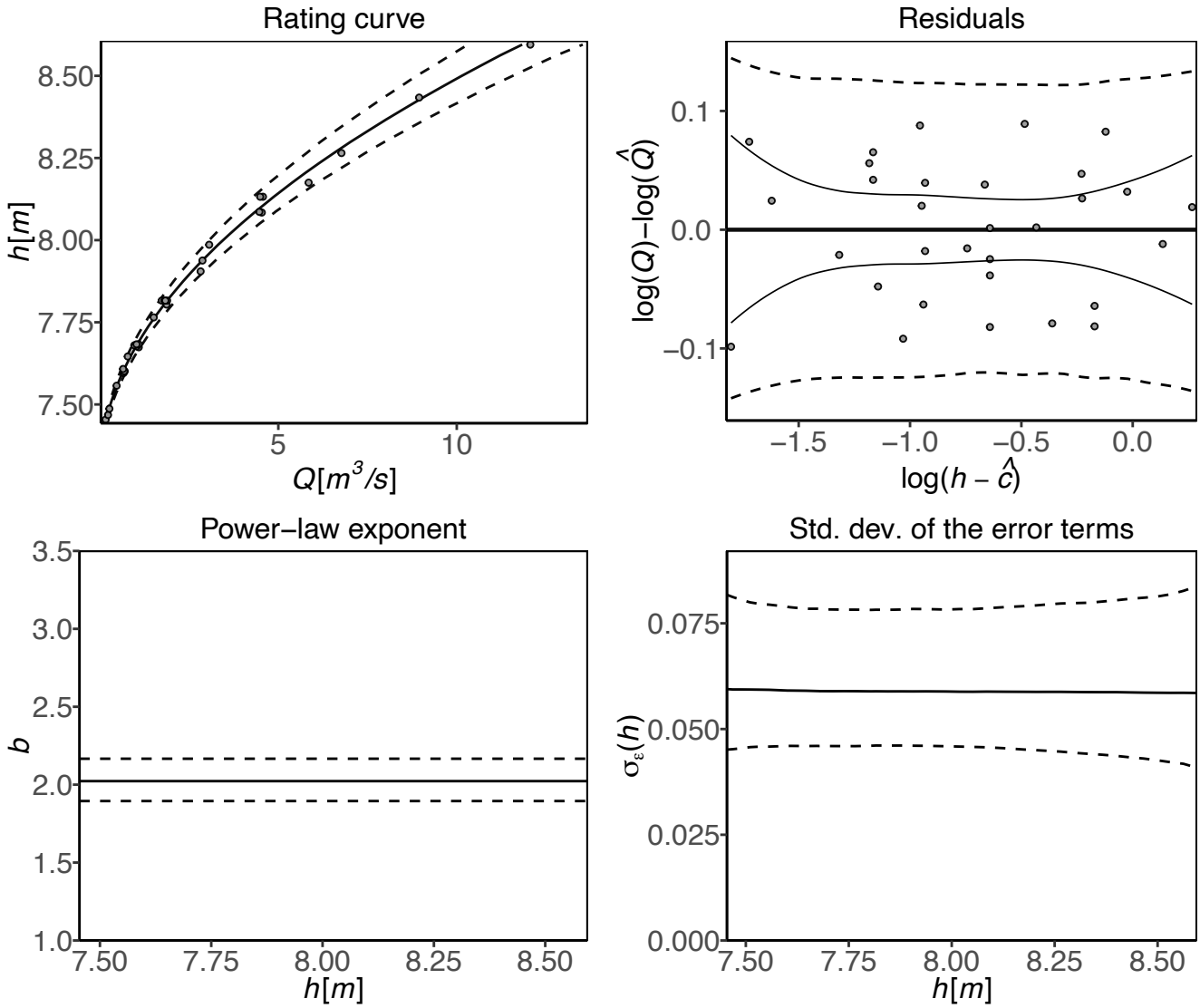
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.94	[6.53; 7.37]	2470	1.00
b	1.84	[1.83; 1.84]	9284	1.00
c	7.30	[7.26; 7.33]	1631	1.00
σ_β	0.17	[0.03; 0.58]	1641	1.00
ϕ_β	20.90	[0.92; 27972.81]	1246	1.01
σ_η	0.08	[0.00; 0.40]	1524	1.00
η_1	–5.63	[–6.18; –5.01]	1931	1.00
η_2	–5.63	[–7.46; –3.73]	2378	1.00
η_3	–5.69	[–8.25; –3.08]	2170	1.00
η_4	–5.70	[–8.92; –2.46]	2247	1.00
η_5	–5.70	[–9.50; –2.02]	2321	1.00
η_6	–5.79	[–9.98; –1.66]	2239	1.00

Hälla, Sweden – GPLM0



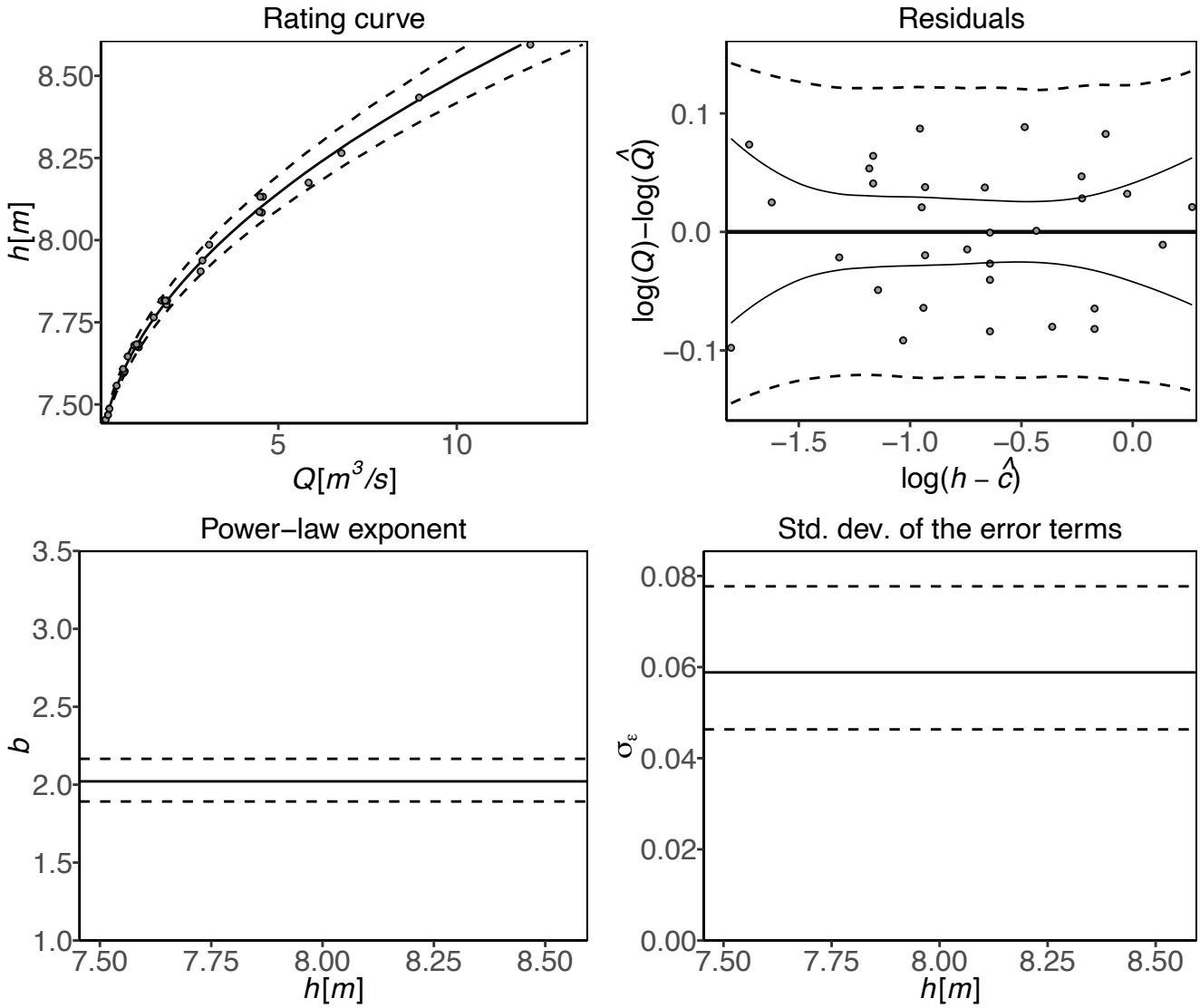
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.94	[6.54; 7.40]	3649	1.00
b	1.84	[1.83; 1.84]	12390	1.00
c	7.30	[7.26; 7.33]	2661	1.00
σ_ε	0.06	[0.05; 0.08]	5250	1.00
σ_β	0.42	[0.17; 0.79]	3144	1.00
ϕ_β	18.89	[0.81; 13982.50]	2684	1.00

Hälla, Sweden – PLM



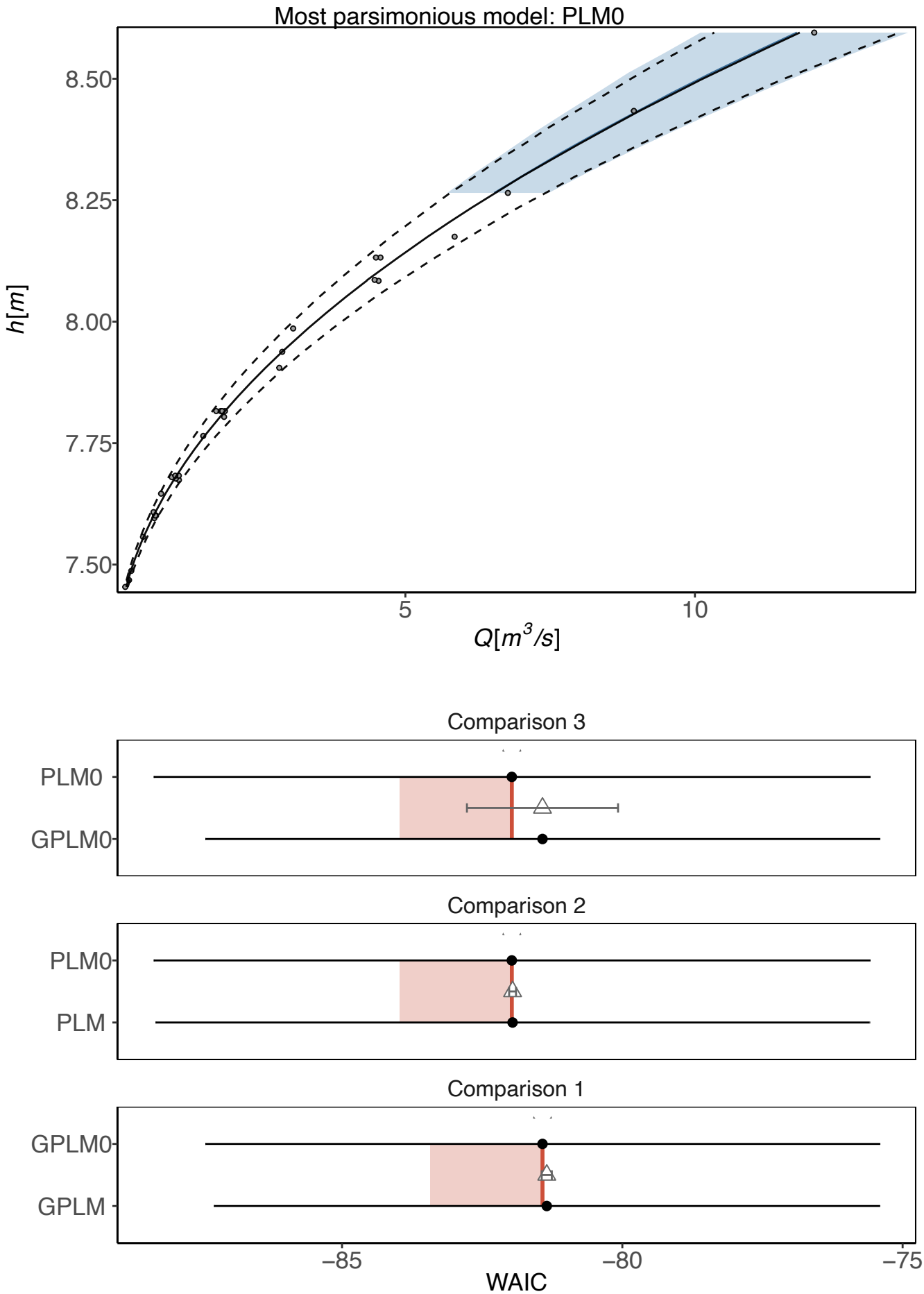
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.88	[6.51; 7.22]	4015	1.00
b	2.02	[1.89; 2.17]	2672	1.00
c	7.29	[7.26; 7.31]	2455	1.00
σ_η	0.08	[0.00; 0.39]	1771	1.00
η_1	–5.65	[–6.20; –5.01]	2305	1.00
η_2	–5.72	[–7.57; –3.86]	2713	1.00
η_3	–5.75	[–8.33; –3.15]	3007	1.00
η_4	–5.79	[–8.94; –2.55]	2940	1.00
η_5	–5.85	[–9.50; –2.08]	2910	1.00
η_6	–5.90	[–10.00; –1.67]	2900	1.00

Hälla, Sweden – PLM0



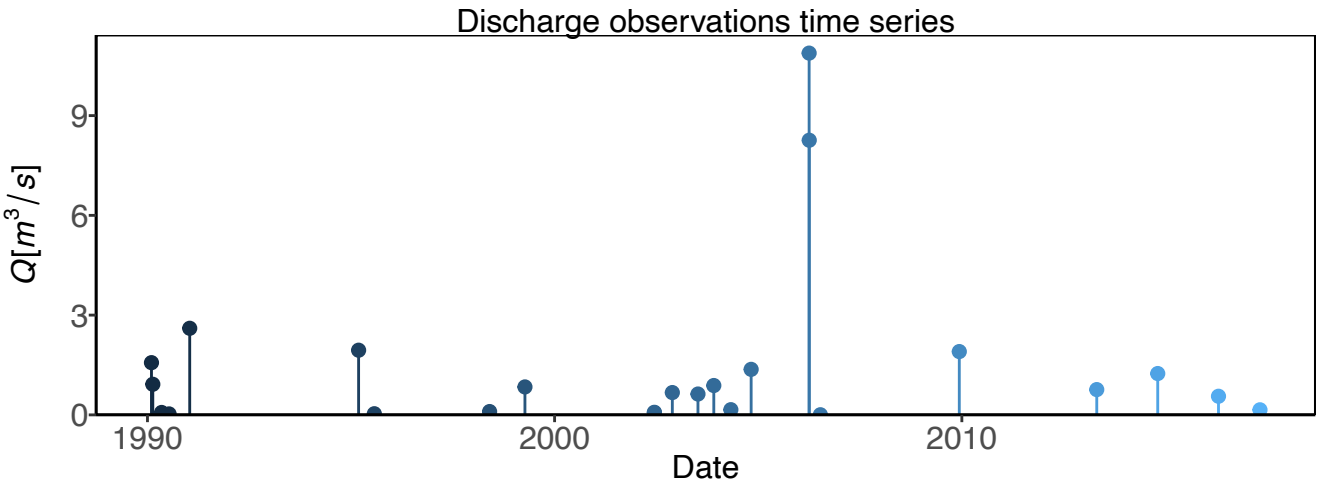
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.88	[6.51; 7.22]	11190	1.00
b	2.02	[1.89; 2.17]	9538	1.00
c	7.29	[7.26; 7.31]	9120	1.00
σ_ε	0.06	[0.05; 0.08]	9114	1.00

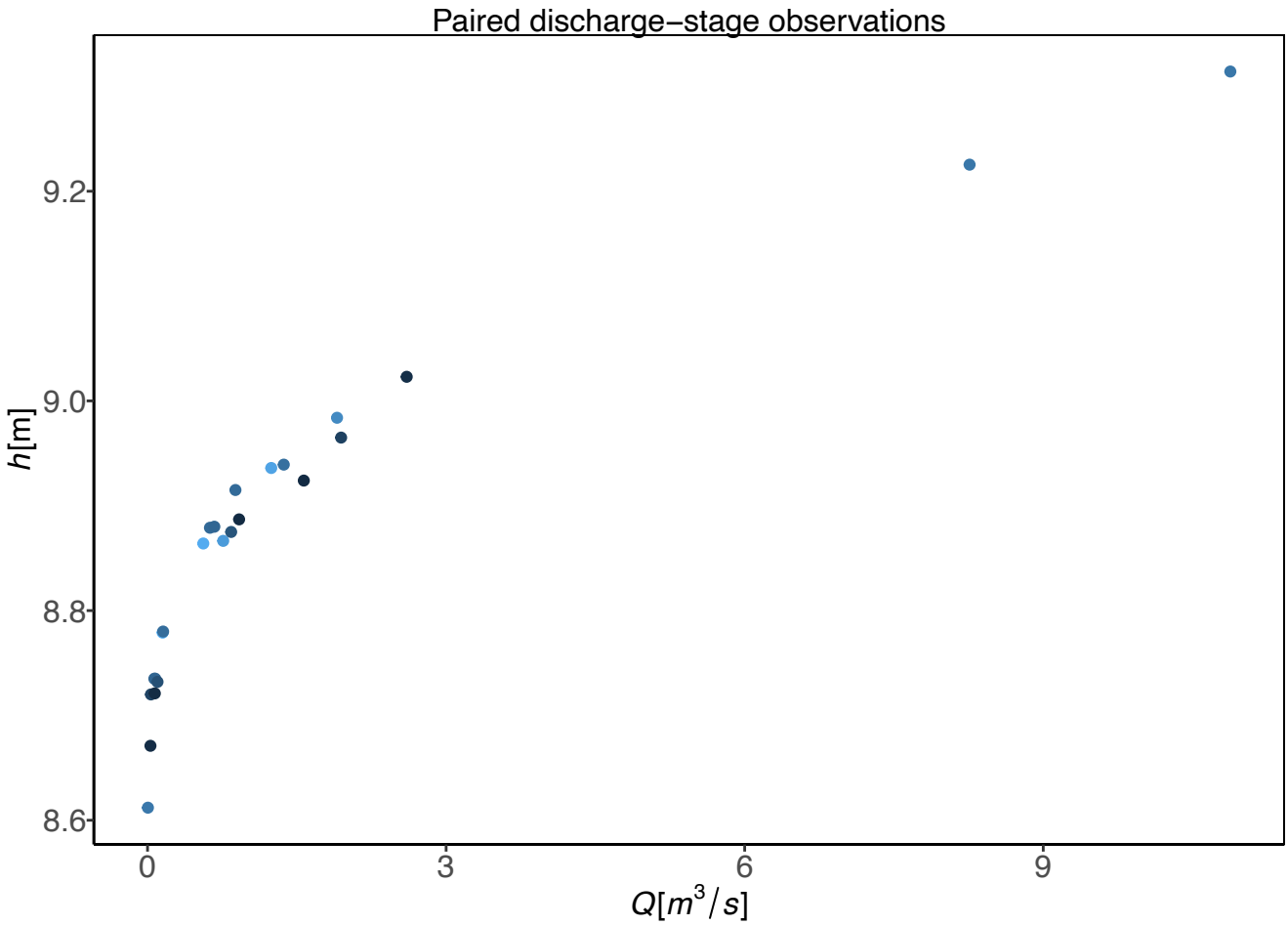
Power−law tournament results for Hälla, Sweden



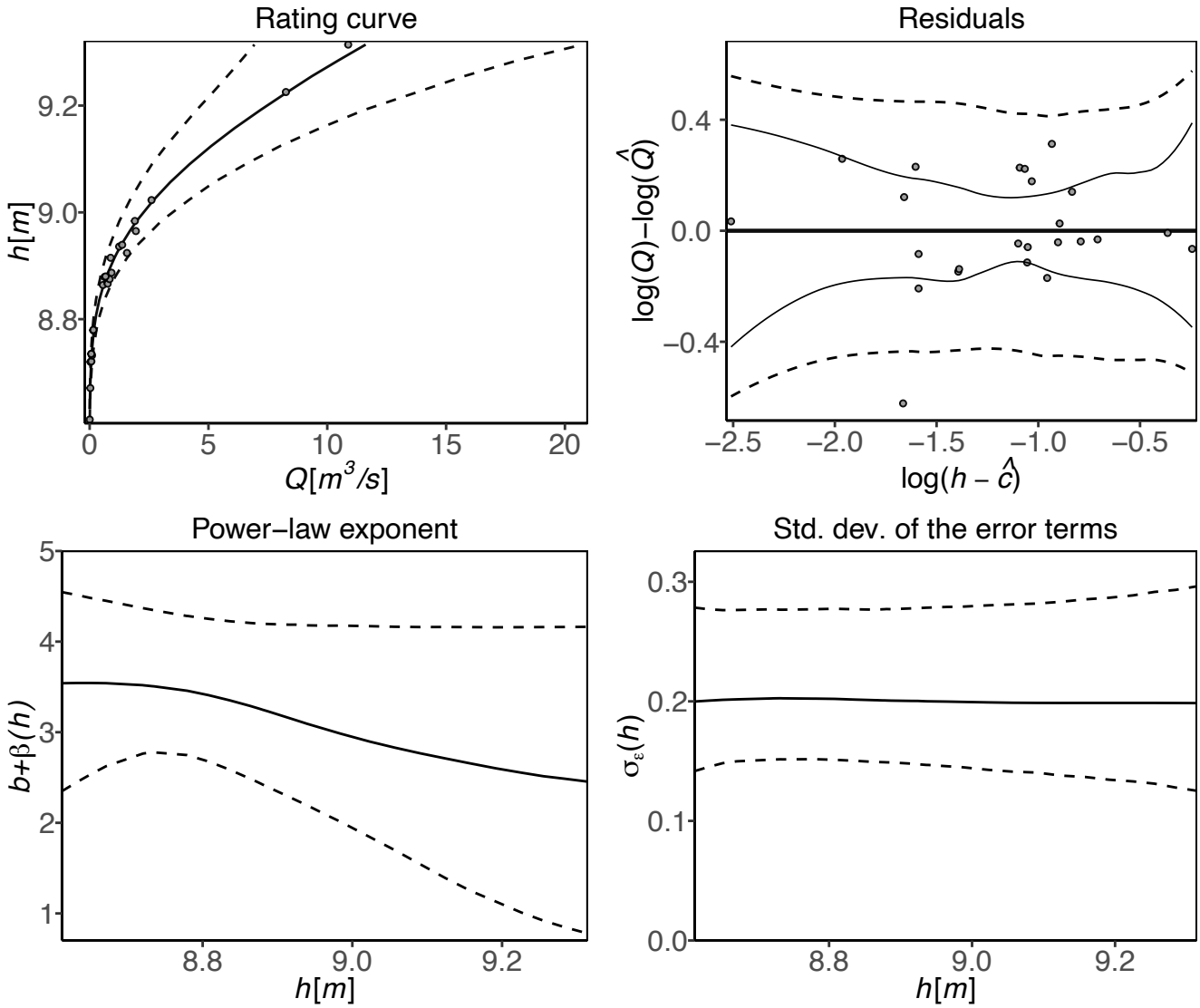
Station name:	Slöta
Location:	Sweden
Station number:	2347
Number of observations:	24
Start date:	1990–02–06
End date:	2017–04–28
Max. discharge (m^3/s):	10.9
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	1.40	0.33
GPLM0	0.00	0.66
PLM	9.08	0.01
PLM0	8.95	0.01



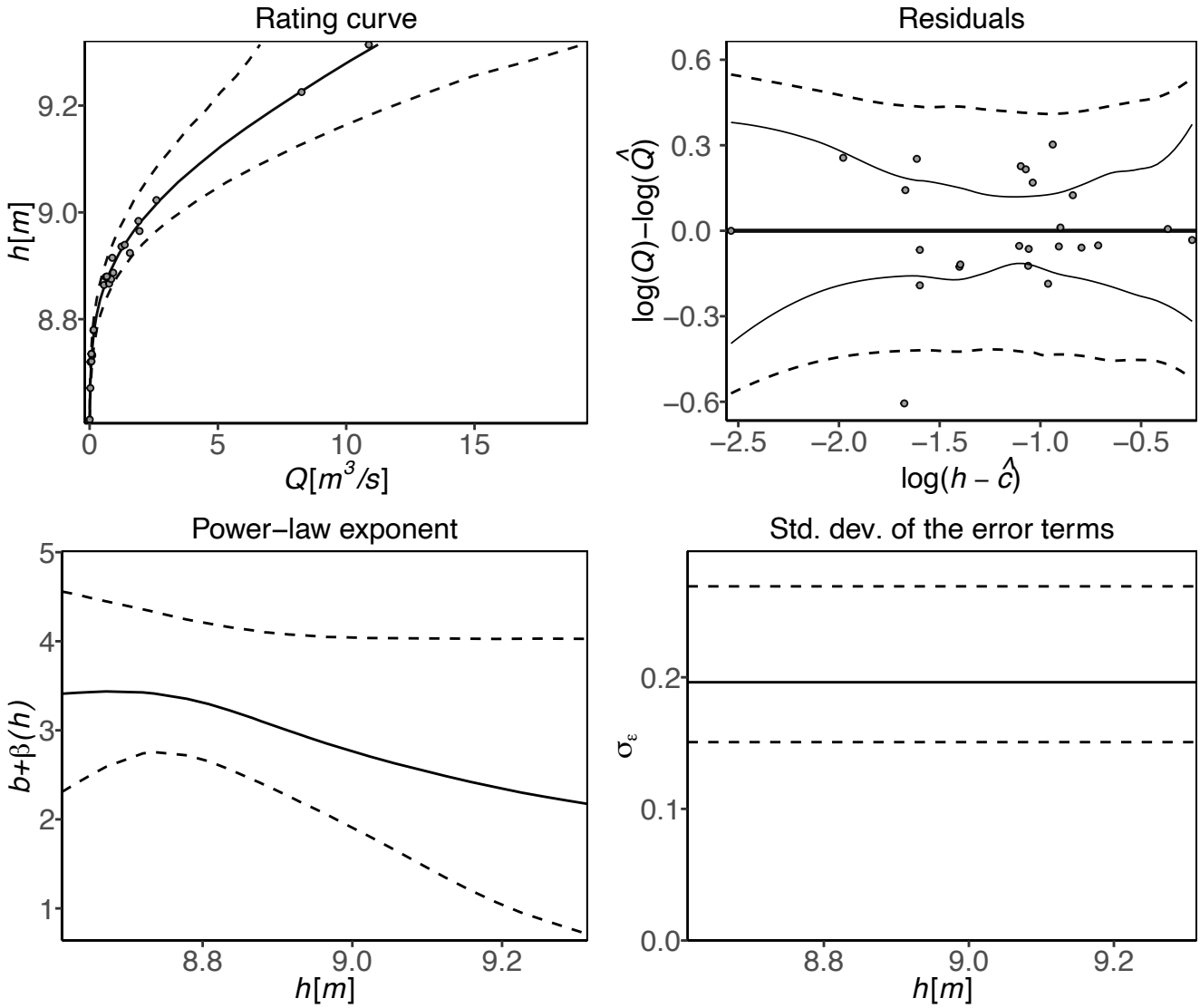


Slöta, Sweden – GPLM



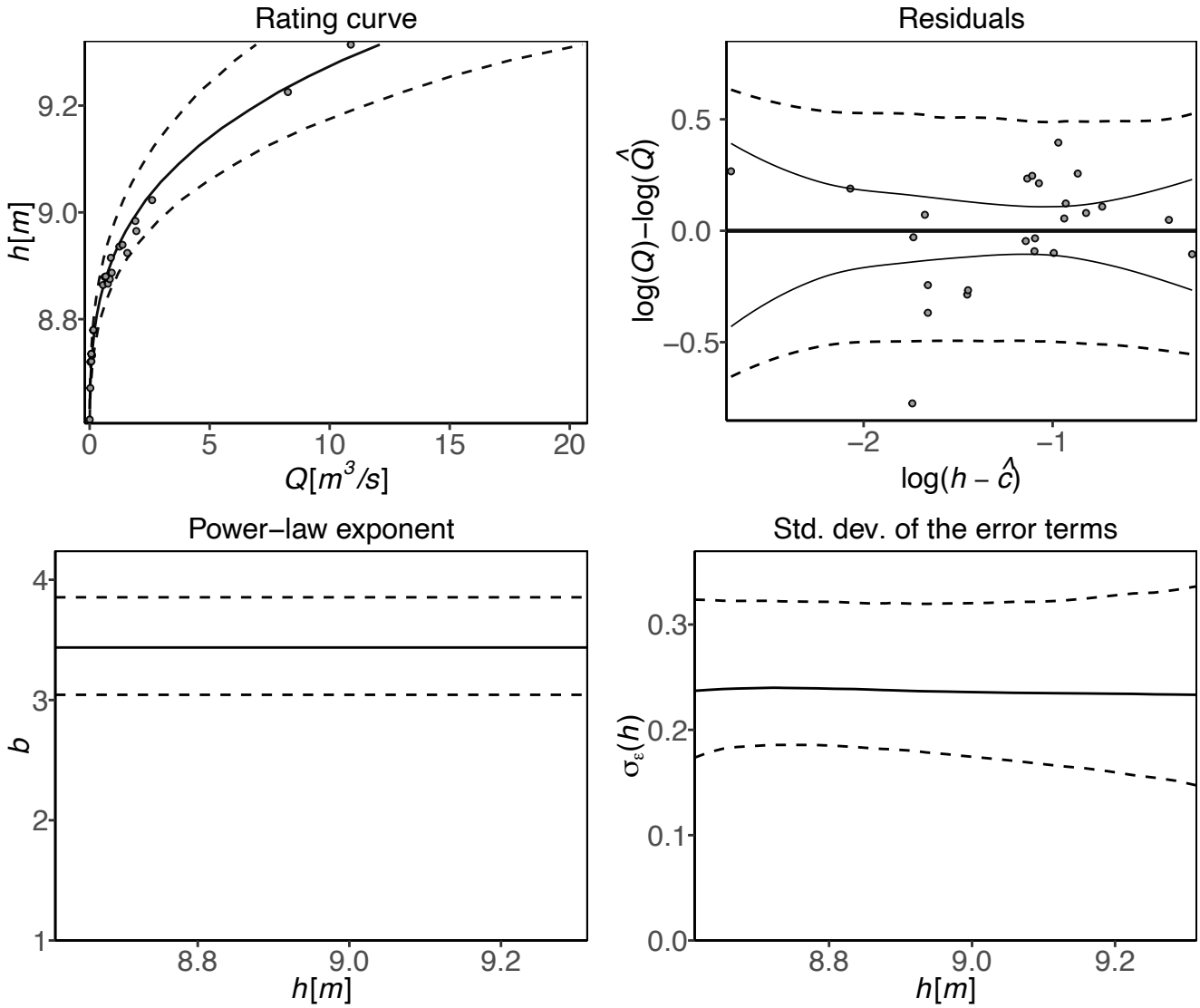
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	20.52	[11.08; 41.82]	1168	1.06
b	1.84	[1.83; 1.84]	8448	1.00
c	8.53	[8.46; 8.59]	1852	1.01
σ_β	0.82	[0.41; 1.52]	2143	1.01
ϕ_β	0.63	[0.22; 297.67]	745	1.13
σ_η	0.08	[0.00; 0.48]	1409	1.00
η_1	–3.22	[–3.91; –2.56]	1398	1.02
η_2	–3.03	[–4.98; –1.24]	1983	1.00
η_3	–3.15	[–5.84; –0.56]	2125	1.00
η_4	–3.32	[–6.55; –0.04]	2264	1.00
η_5	–3.30	[–7.10; 0.50]	2157	1.00
η_6	–3.32	[–7.56; 0.80]	2025	1.00

Slöta, Sweden – GPLM0



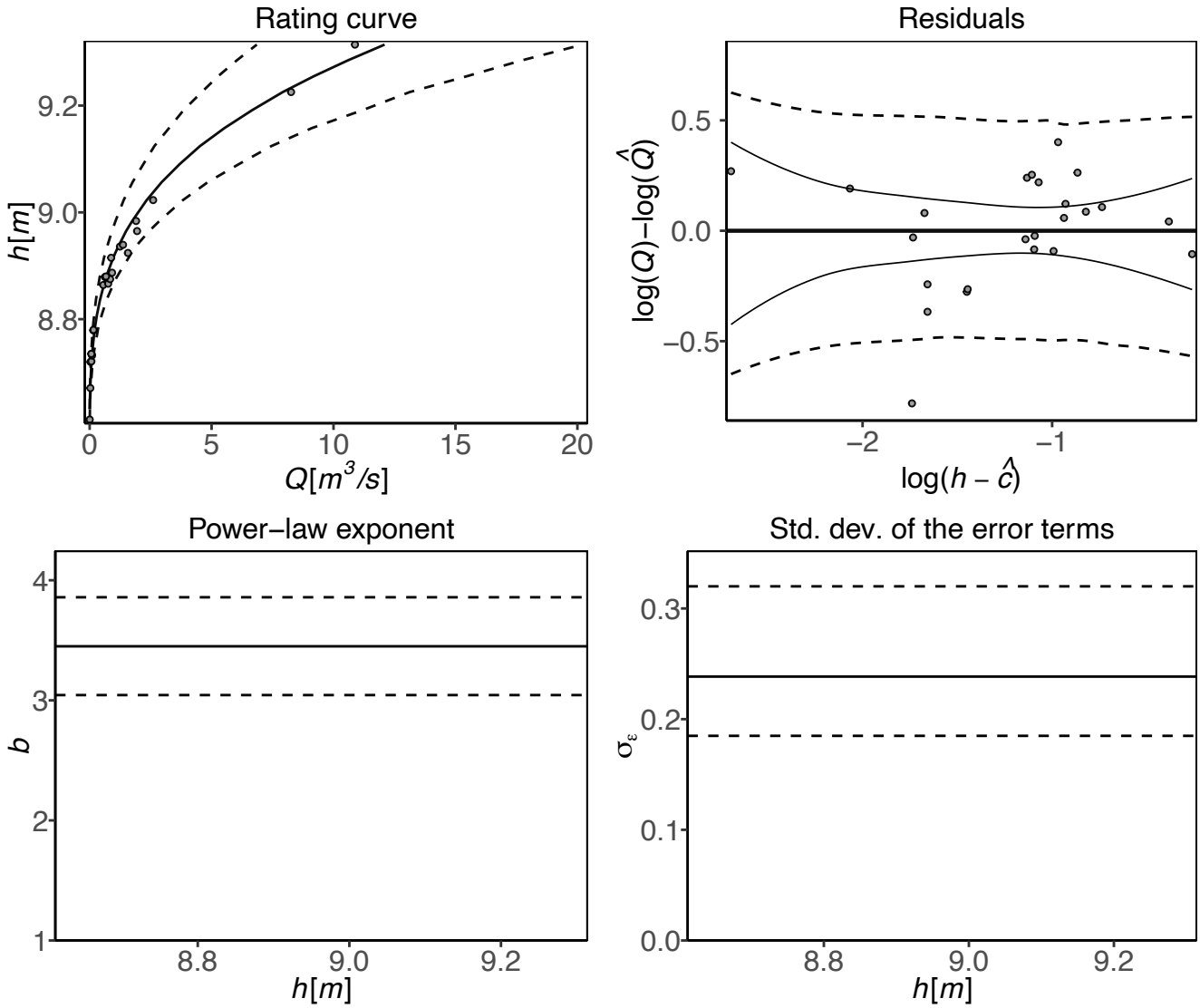
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	18.83	[10.81; 38.95]	1938	1.01
b	1.84	[1.83; 1.84]	10868	1.00
c	8.53	[8.45; 8.59]	4127	1.00
σ_ε	0.20	[0.15; 0.27]	3267	1.00
σ_β	0.89	[0.64; 1.24]	4713	1.00
ϕ_β	0.52	[0.21; 37.24]	862	1.03

Slöta, Sweden – PLM

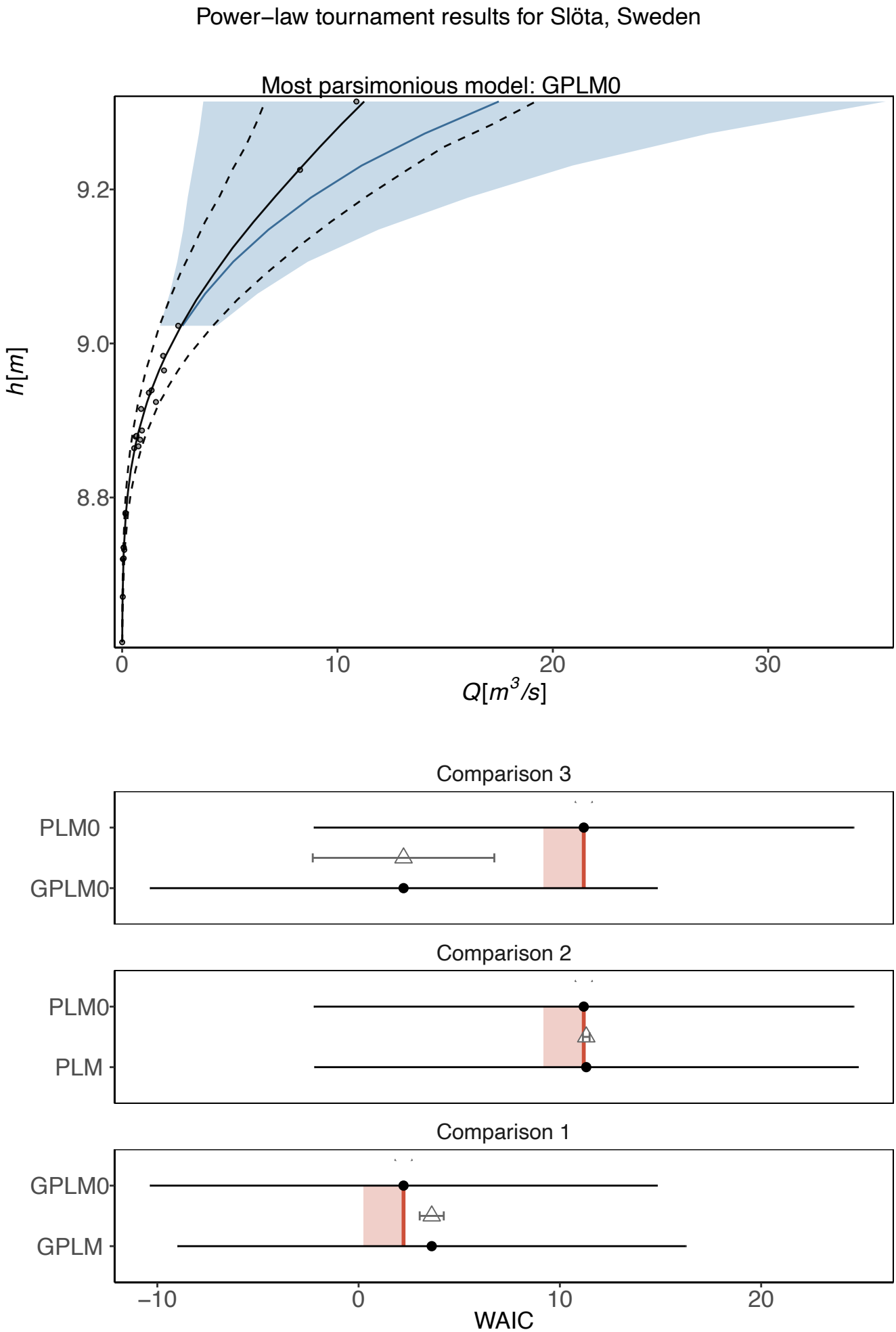


	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	29.61	[21.71; 38.42]	5491	1.00
b	3.44	[3.04; 3.85]	3006	1.00
c	8.54	[8.52; 8.56]	2550	1.00
σ_η	0.09	[0.00; 0.49]	1737	1.00
η_1	–2.88	[–3.50; –2.26]	2325	1.00
η_2	–2.64	[–4.57; –0.82]	2878	1.00
η_3	–2.79	[–5.49; –0.25]	2818	1.00
η_4	–2.98	[–6.14; 0.28]	3058	1.00
η_5	–3.09	[–6.69; 0.70]	2834	1.00
η_6	–3.13	[–7.27; 1.15]	2870	1.00

Slöta, Sweden – PLM0

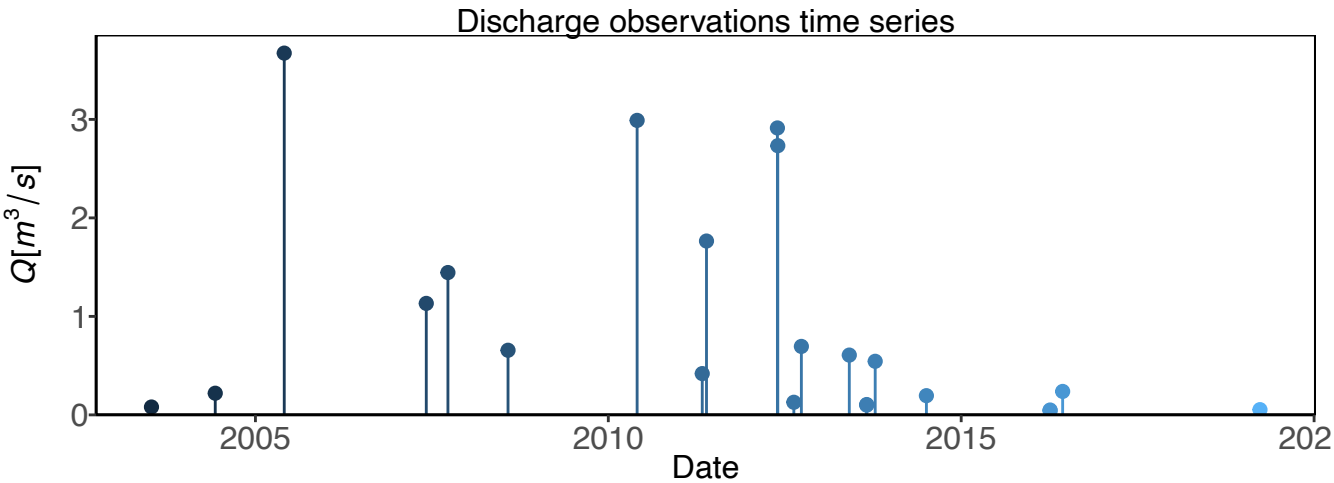


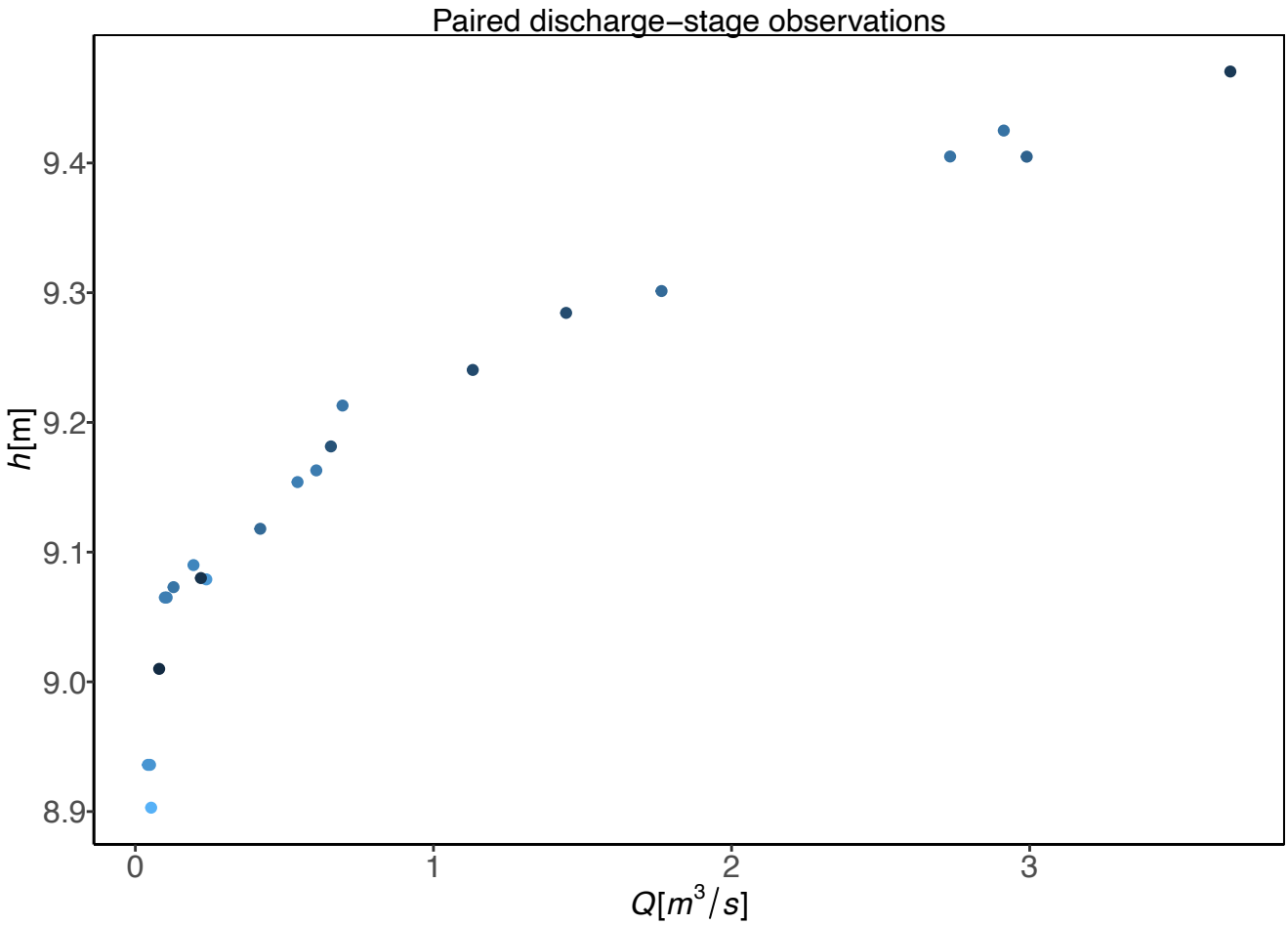
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	29.72	[21.86; 38.67]	12509	1.00
b	3.45	[3.04; 3.86]	9499	1.00
c	8.54	[8.52; 8.56]	8699	1.00
σ_ε	0.24	[0.18; 0.32]	9339	1.00


Power−law tournament results for Slöta, Sweden
Most parsimonious model: GPLM0
9.2
9.0
8.8
h[m]
0
10
20
30
Q[m³/s]
Comparison 3
PLM0
GPLM0
Comparison 2
PLM0
PLM
Comparison 1
GPLM0
GPLM
−10
0
10
20
WAIC

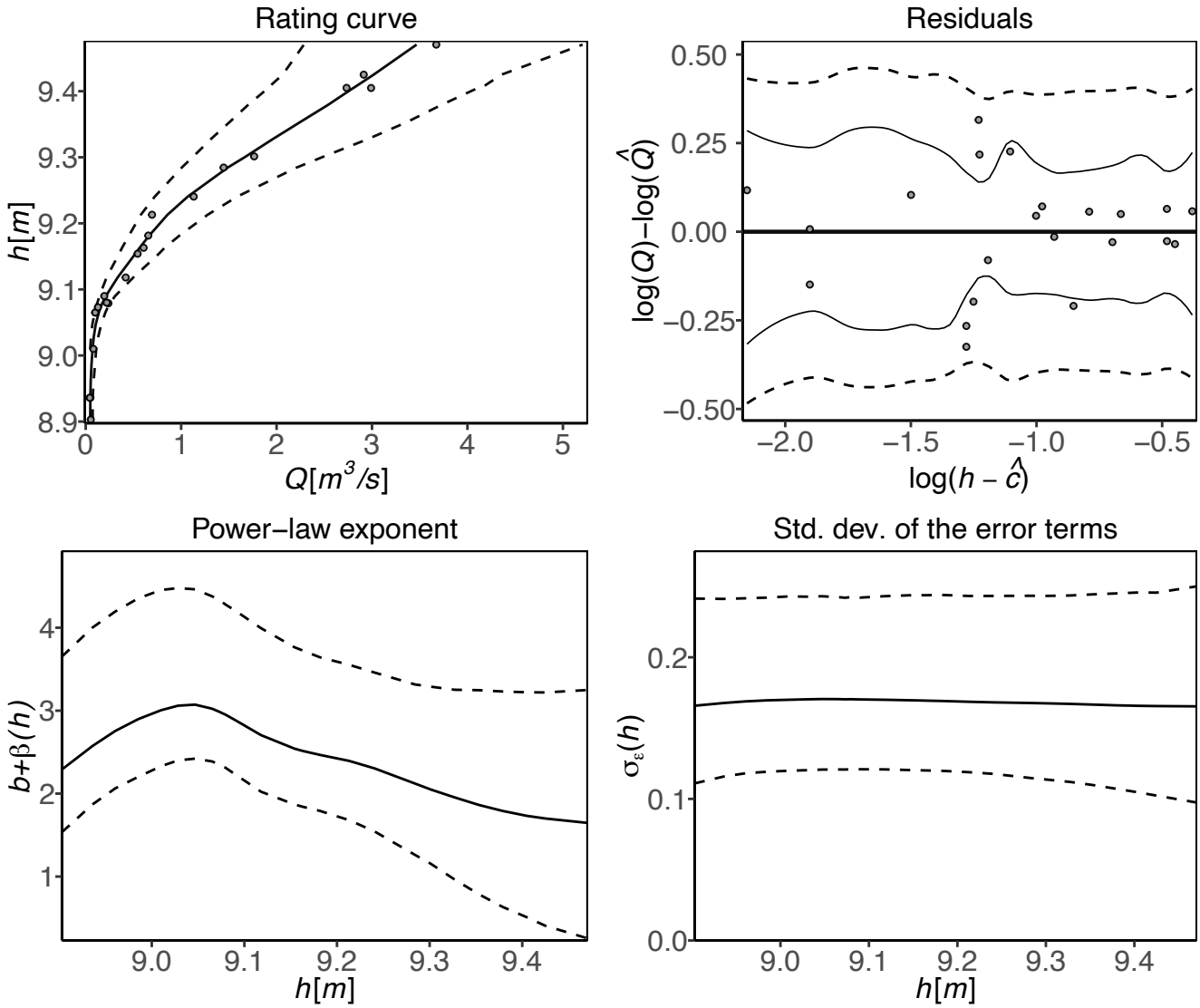
Station name:	Alttajärvi
Location:	Sweden
Station number:	2356
Number of observations:	22
Start date:	2003–07–13
End date:	2019–03–27
Max. discharge (m^3/s):	3.7
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.57
GPLM0	0.55	0.43
PLM	35.05	0.00
PLM0	34.75	0.00



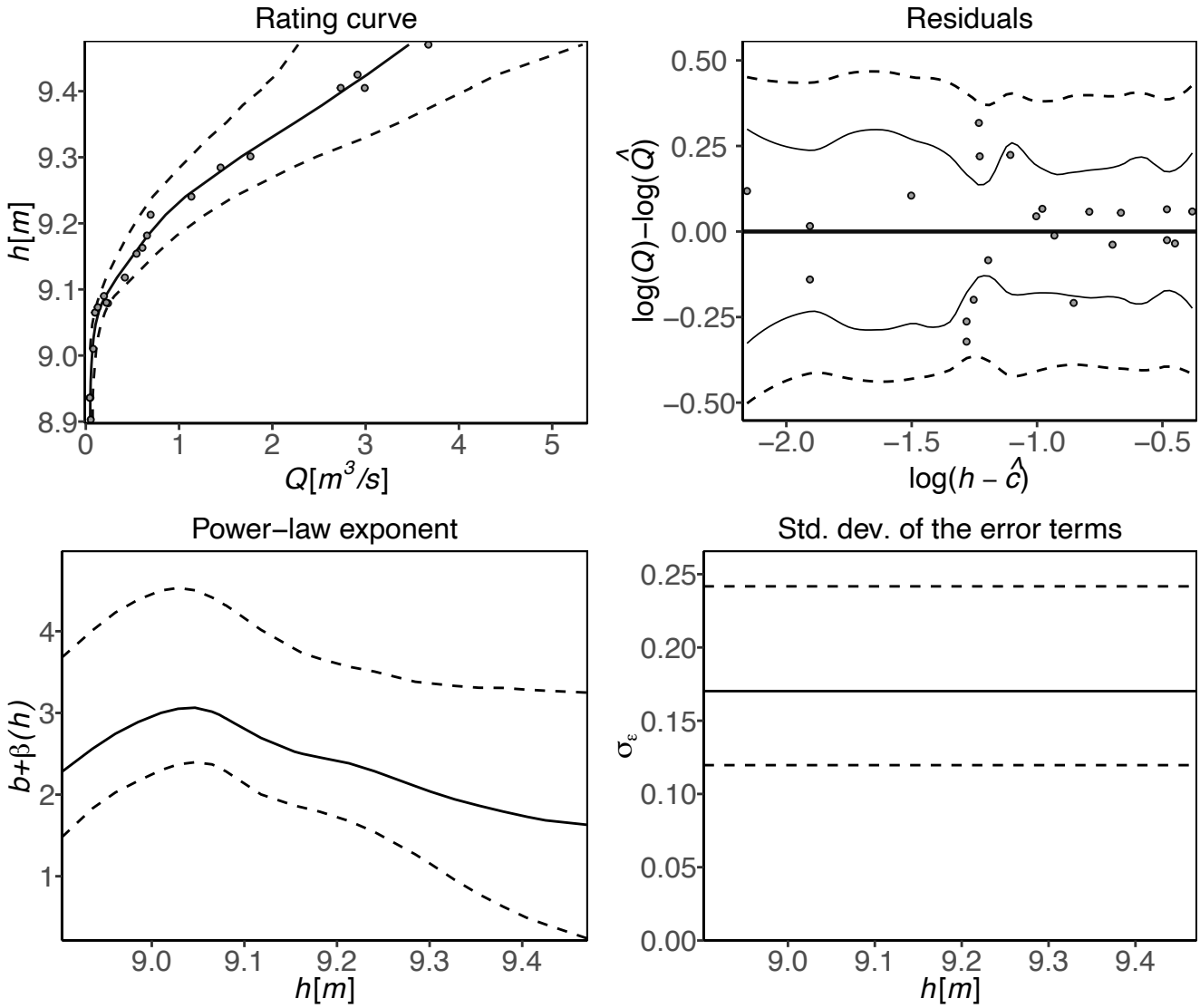


Alttajärvi, Sweden – GPLM



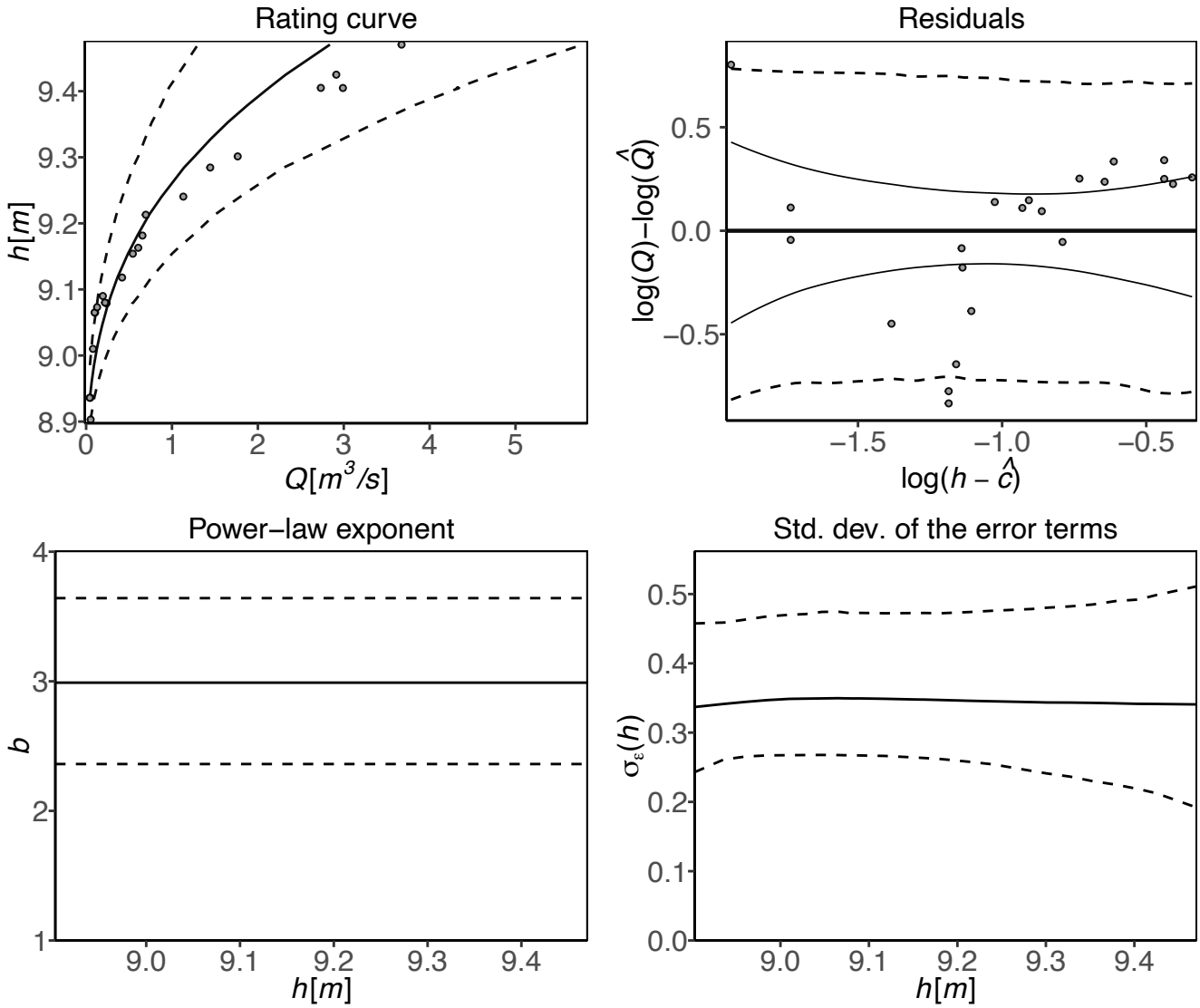
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.33	[3.39; 12.82]	5692	1.00
b	1.84	[1.83; 1.84]	10392	1.00
c	8.79	[8.62; 8.87]	2137	1.00
σ_β	0.67	[0.34; 1.38]	2452	1.00
ϕ_β	0.18	[0.08; 0.35]	1963	1.00
σ_η	0.09	[0.00; 0.49]	1284	1.01
η_1	–3.59	[–4.40; –2.84]	1728	1.00
η_2	–3.36	[–5.35; –1.56]	2256	1.00
η_3	–3.29	[–5.99; –0.77]	2251	1.00
η_4	–3.50	[–6.61; –0.37]	2268	1.00
η_5	–3.68	[–7.31; 0.01]	2202	1.00
η_6	–3.70	[–7.73; 0.43]	2184	1.00

Alttajärvi, Sweden – GPLM0



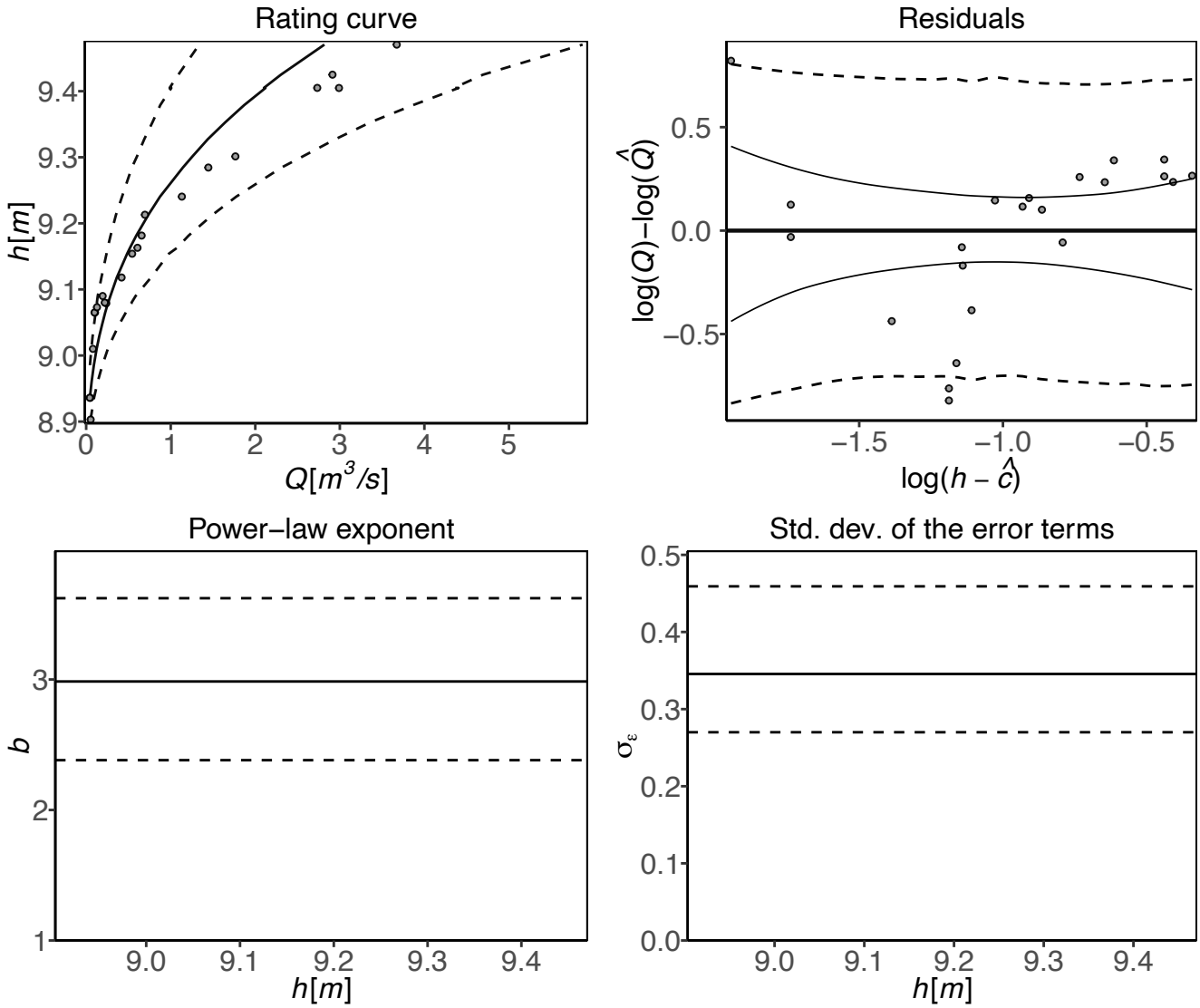
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.31	[3.46; 12.89]	8756	1.00
b	1.84	[1.83; 1.84]	12964	1.00
c	8.79	[8.62; 8.87]	4145	1.00
σ_ε	0.17	[0.12; 0.24]	4441	1.00
σ_β	0.82	[0.59; 1.18]	5529	1.00
ϕ_β	0.18	[0.08; 0.35]	4565	1.00

Alttajärvi, Sweden – PLM



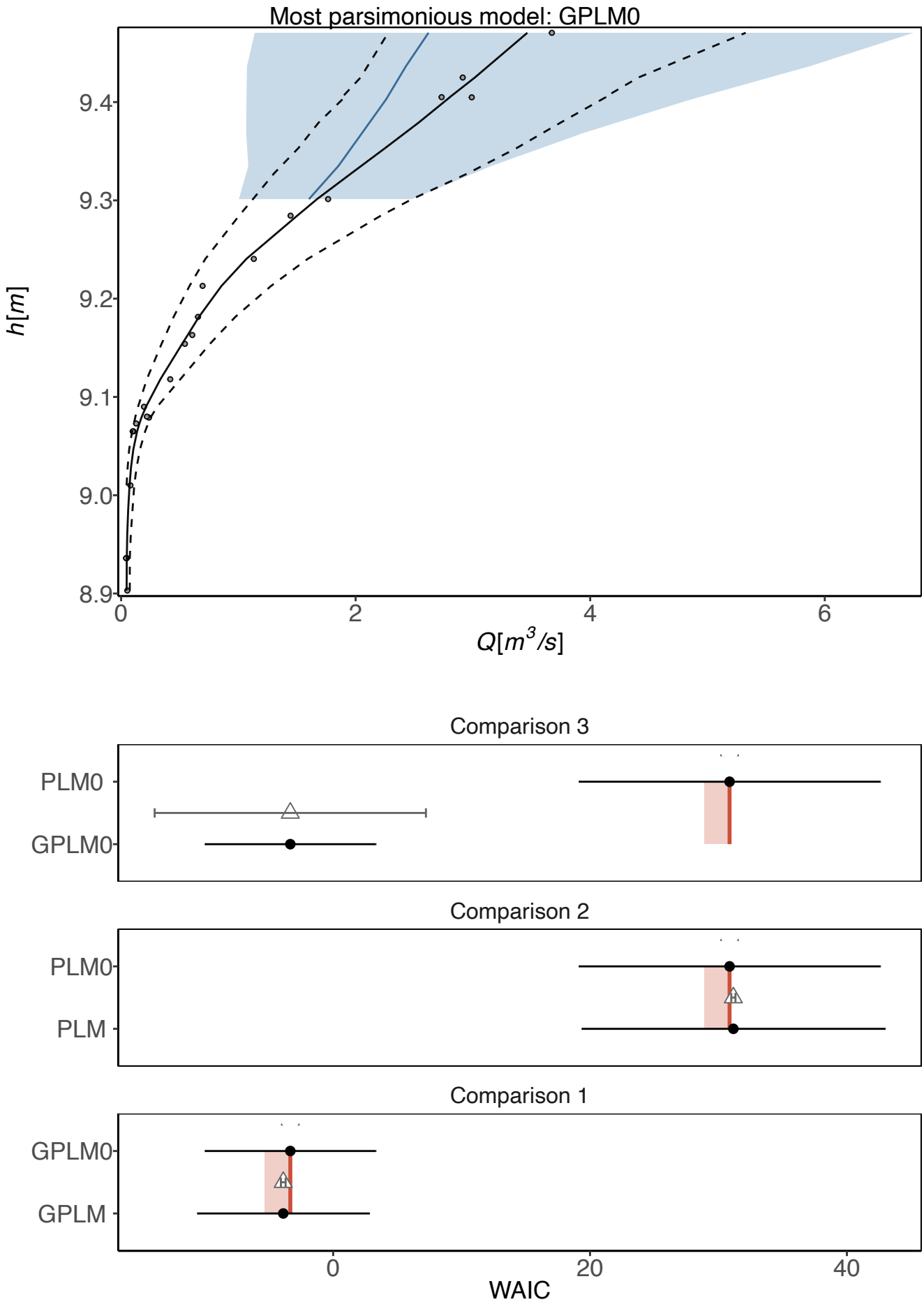
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.72	[5.03; 11.07]	6691	1.00
b	2.99	[2.36; 3.64]	3243	1.00
c	8.76	[8.69; 8.82]	2556	1.00
σ_η	0.09	[0.00; 0.56]	1754	1.00
η_1	–2.18	[–2.83; –1.56]	2219	1.00
η_2	–1.86	[–3.88; –0.02]	2472	1.00
η_3	–1.82	[–4.50; 0.77]	2712	1.00
η_4	–2.03	[–5.11; 1.23]	2615	1.00
η_5	–2.09	[–5.80; 1.78]	2803	1.00
η_6	–2.13	[–6.38; 2.16]	2732	1.00

Alttajärvi, Sweden – PLM0



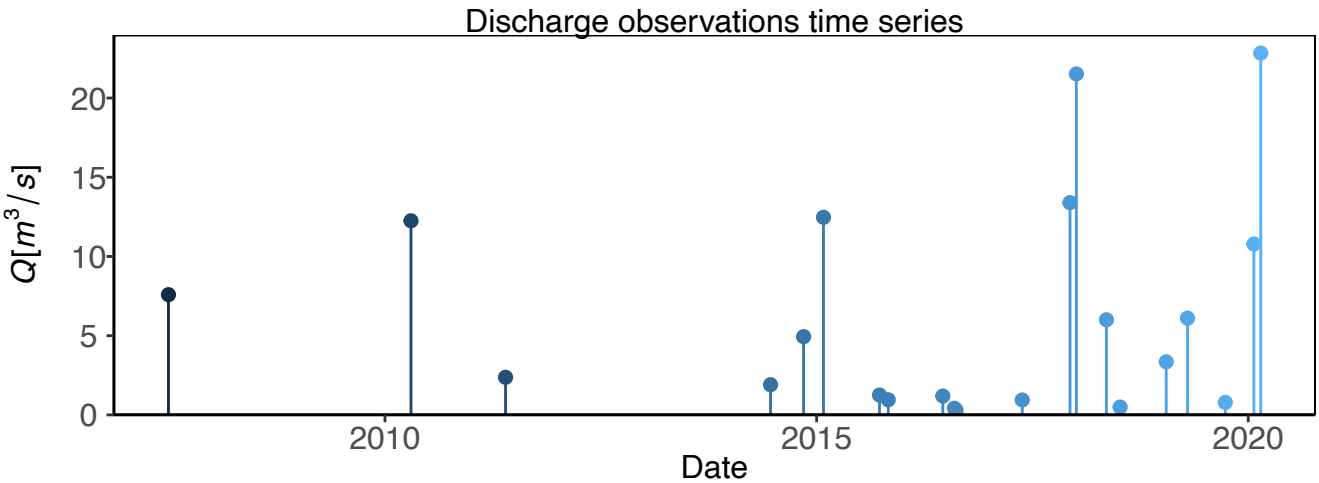
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.73	[5.22; 10.89]	14222	1.00
b	2.98	[2.38; 3.62]	10154	1.00
c	8.76	[8.69; 8.82]	9005	1.00
σ_ε	0.35	[0.27; 0.46]	9519	1.00

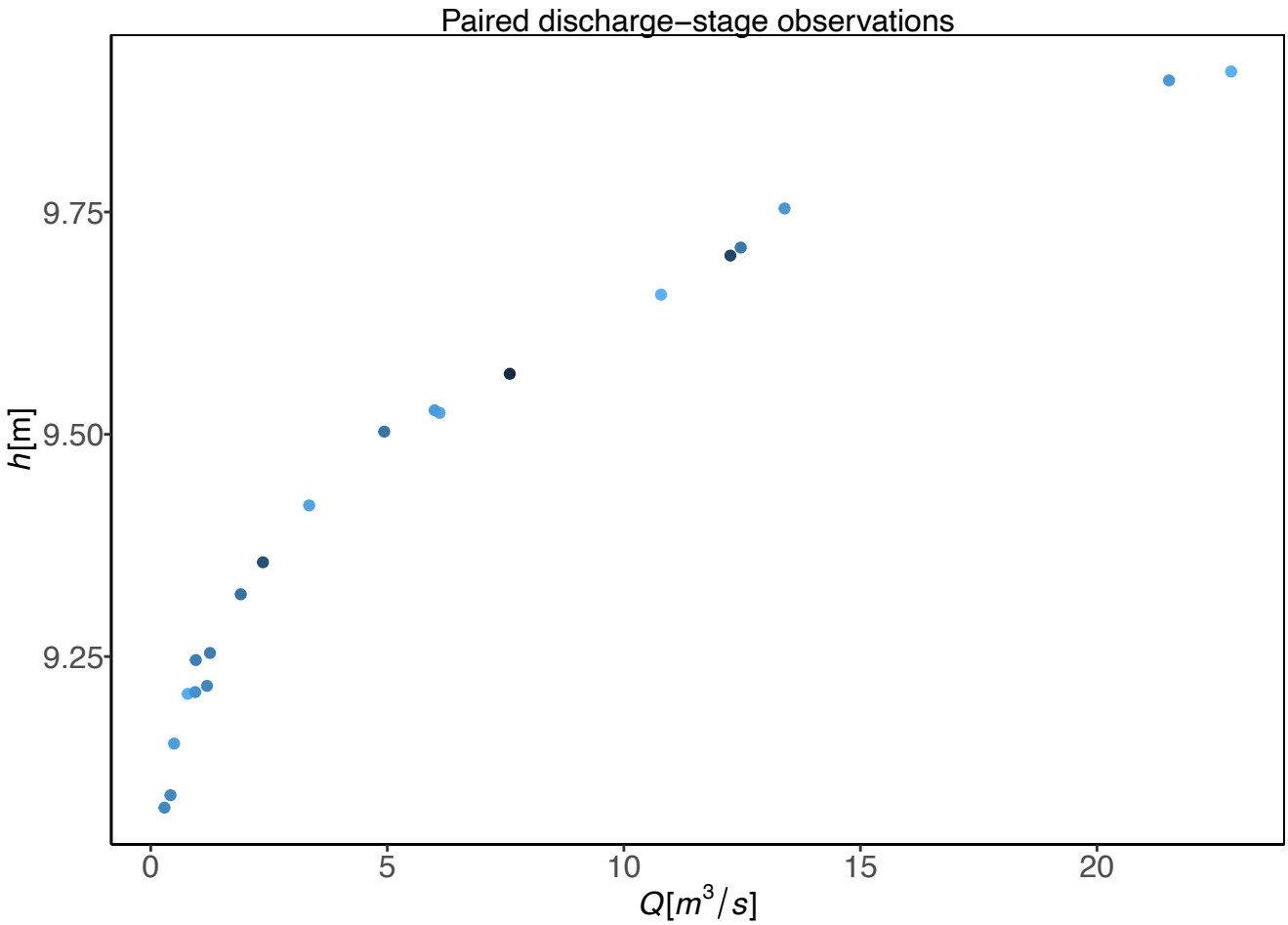
Power−law tournament results for Alttajärvi, Sweden



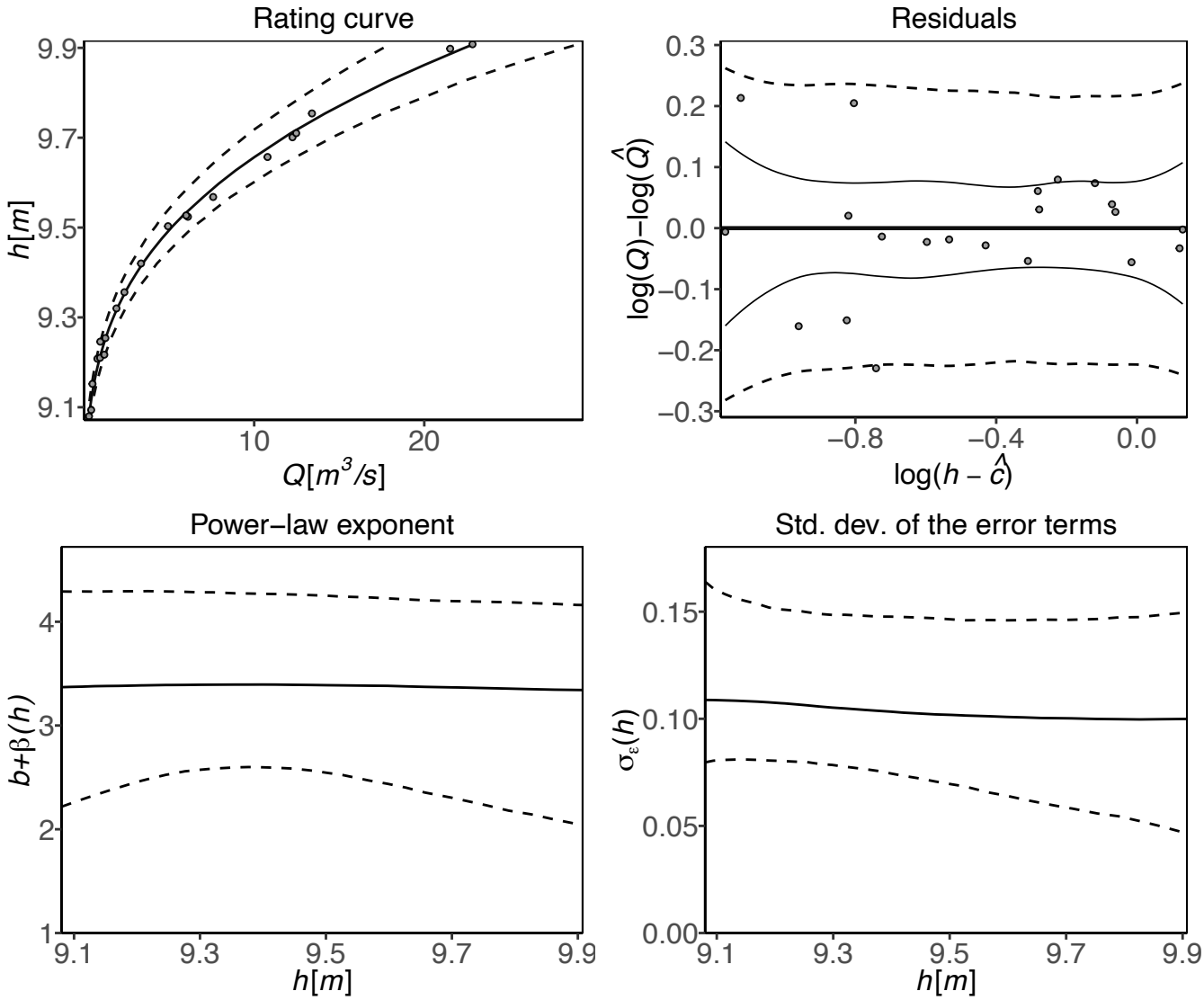
Station name:	Stensåkra
Location:	Sweden
Station number:	2361
Number of observations:	21
Start date:	2007–06–30
End date:	2020–02–23
Max. discharge (m^3/s):	22.8
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.53
GPLM0	1.21	0.29
PLM	2.85	0.13
PLM0	4.38	0.06



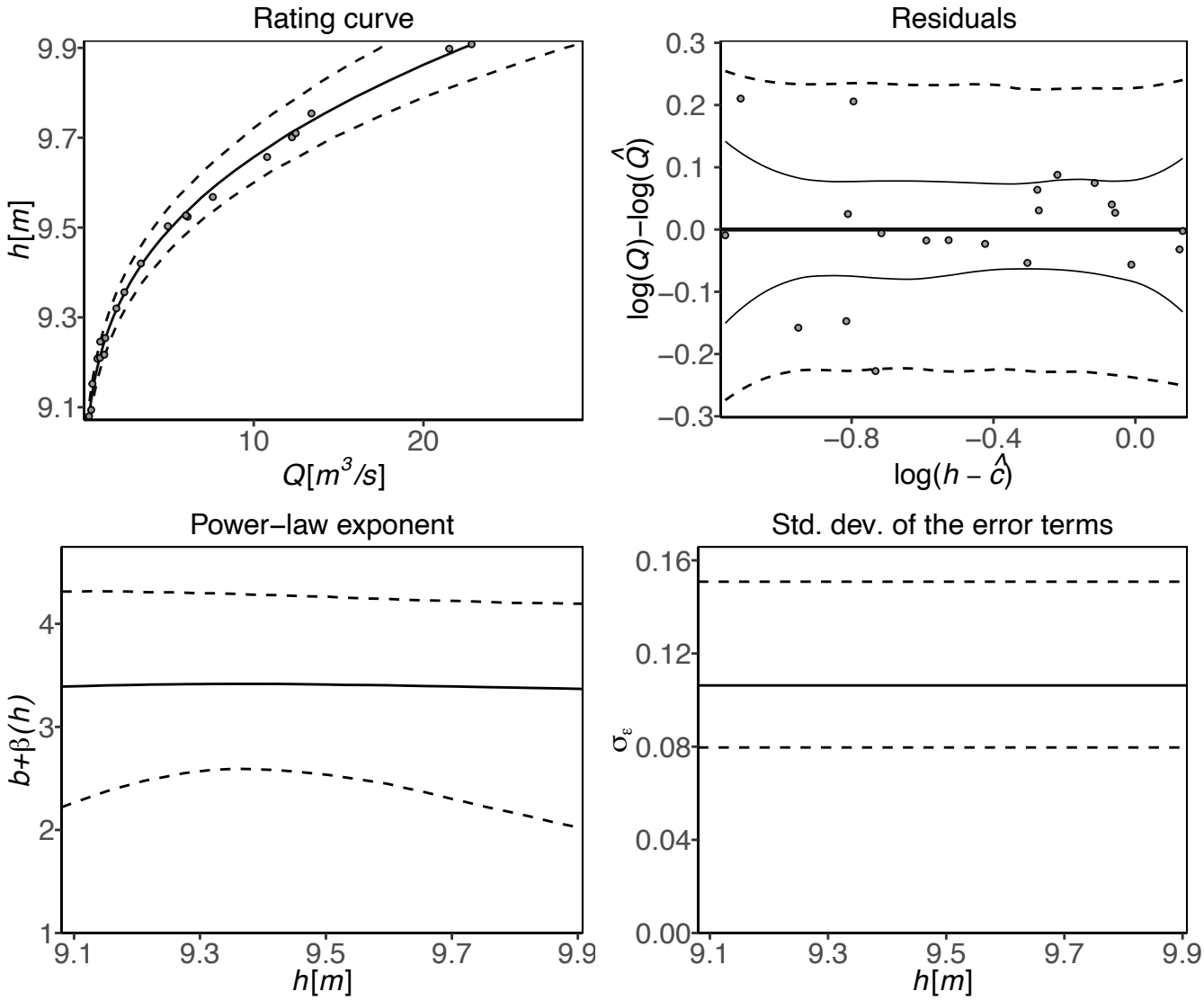


Stensåkra, Sweden – GPLM



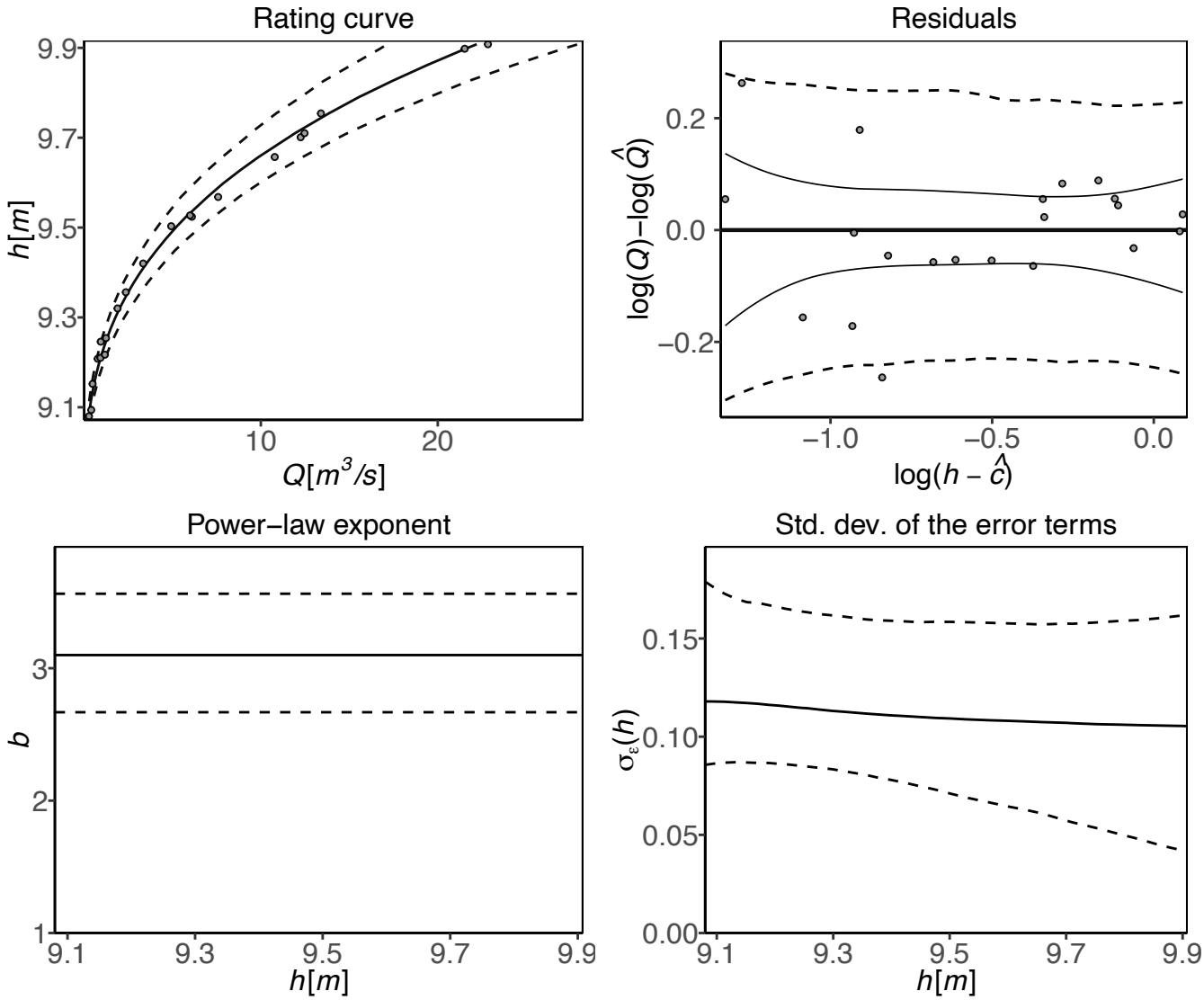
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.81	[8.26; 23.33]	3075	1.00
b	1.84	[1.83; 1.84]	7582	1.00
c	8.77	[8.61; 8.94]	2307	1.00
σ_β	0.77	[0.38; 1.44]	1992	1.00
ϕ_β	9.99	[0.44; 5638.50]	754	1.03
σ_η	0.10	[0.00; 0.59]	1385	1.01
η_1	−4.44	[−5.06; −3.62]	1656	1.00
η_2	−4.46	[−6.34; −2.62]	1848	1.00
η_3	−4.85	[−7.42; −2.02]	1876	1.00
η_4	−5.26	[−8.26; −1.69]	1998	1.00
η_5	−5.39	[−8.98; −1.21]	1960	1.00
η_6	−5.47	[−9.59; −0.94]	1876	1.00

Stensåkra, Sweden – GPLM0



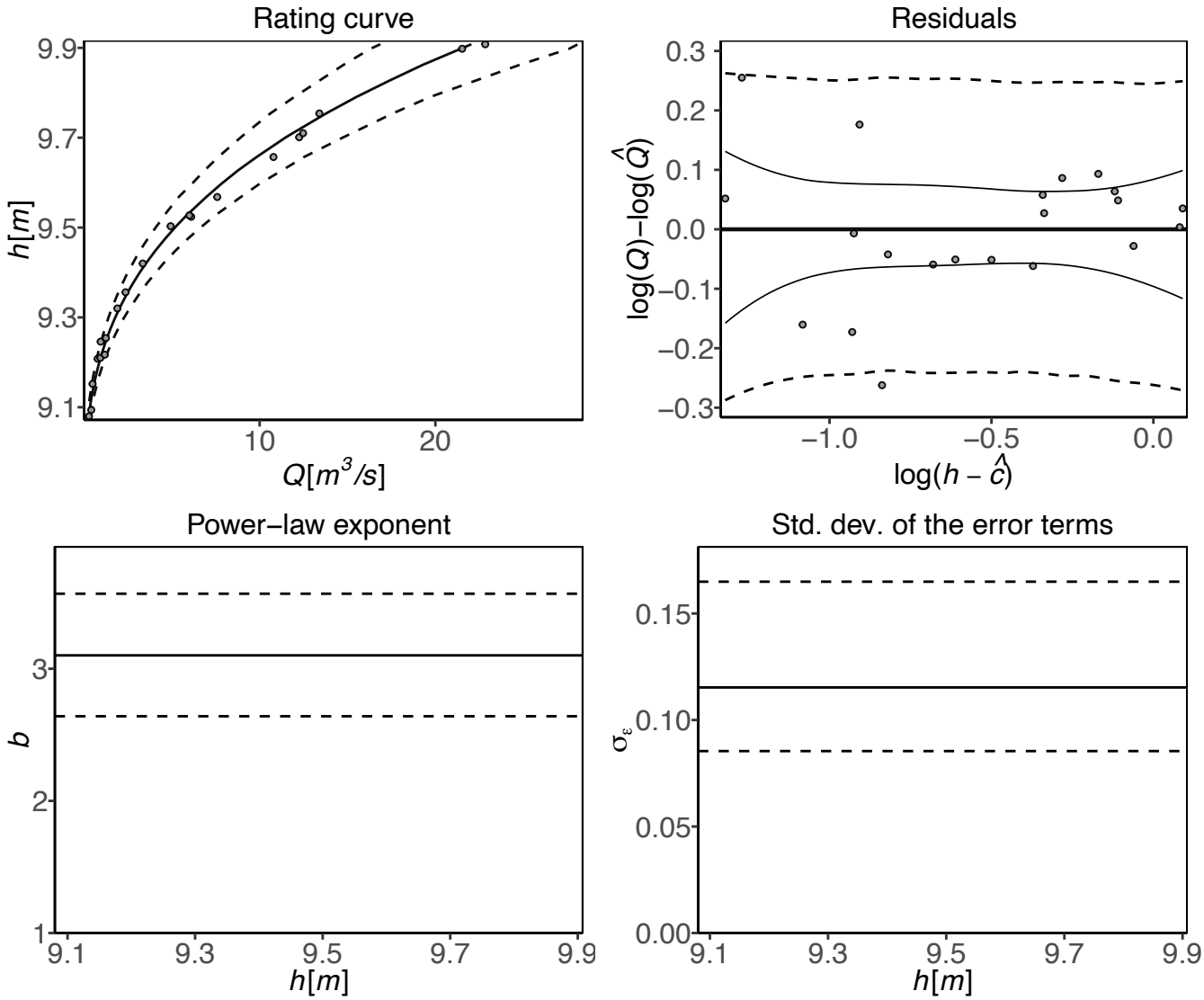
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.62	[8.24; 23.70]	4797	1.00
b	1.84	[1.83; 1.84]	7814	1.00
c	8.77	[8.61; 8.94]	3746	1.00
σ_ε	0.11	[0.08; 0.15]	3623	1.00
σ_β	0.88	[0.62; 1.20]	4092	1.00
ϕ_β	9.18	[0.44; 8170.68]	812	1.04

Stensåkra, Sweden – PLM



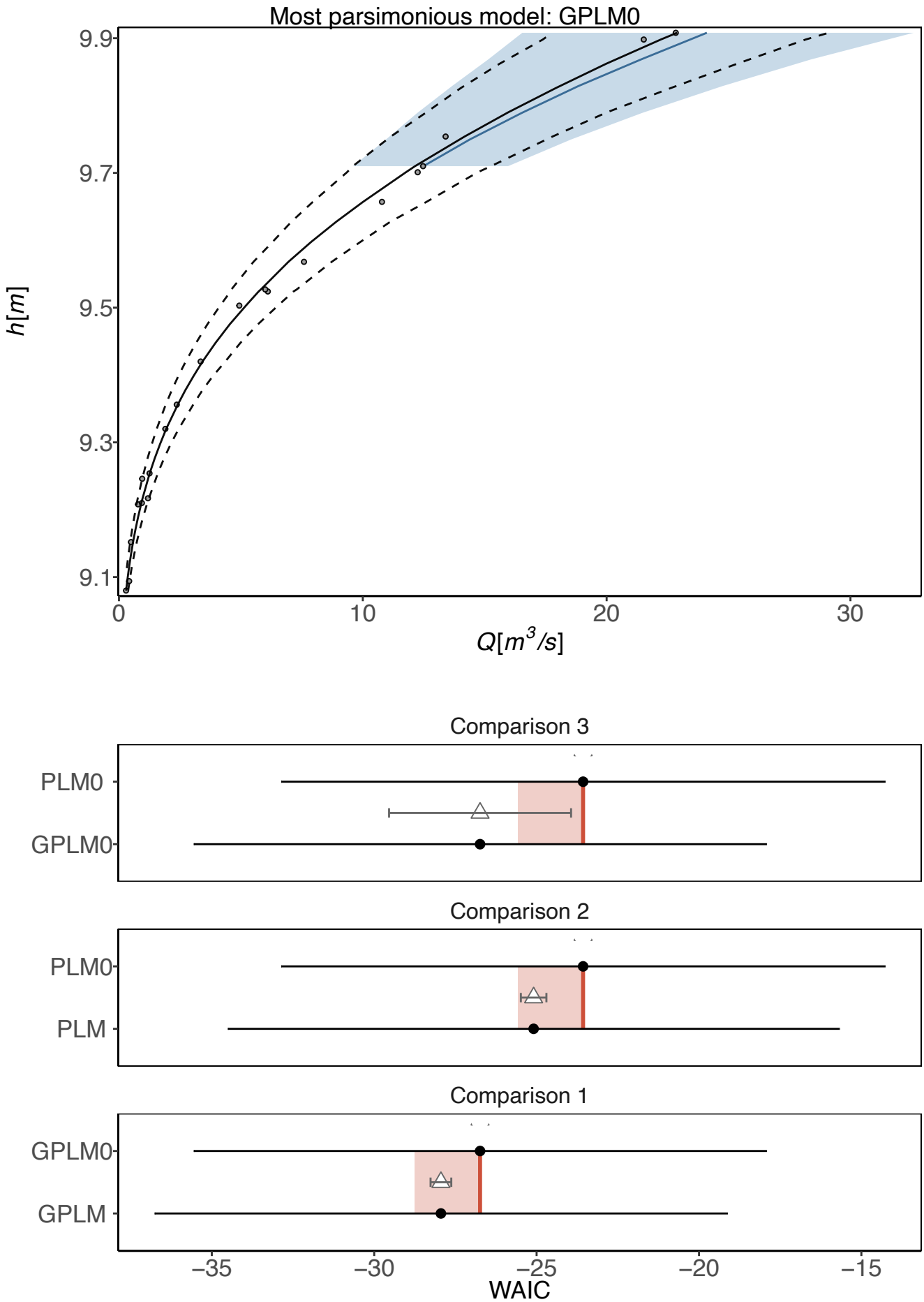
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.74	[12.93; 20.27]	2579	1.00
b	3.10	[2.67; 3.56]	2368	1.00
c	8.81	[8.74; 8.89]	2212	1.00
σ_η	0.11	[0.00; 0.62]	2025	1.00
η_1	–4.28	[–4.91; –3.44]	2351	1.00
η_2	–4.32	[–6.20; –2.53]	2337	1.00
η_3	–4.73	[–7.27; –2.06]	2828	1.00
η_4	–5.18	[–8.28; –1.75]	2815	1.00
η_5	–5.39	[–9.00; –1.36]	2412	1.00
η_6	–5.52	[–9.68; –0.93]	2365	1.00

Stensåkra, Sweden – PLM0



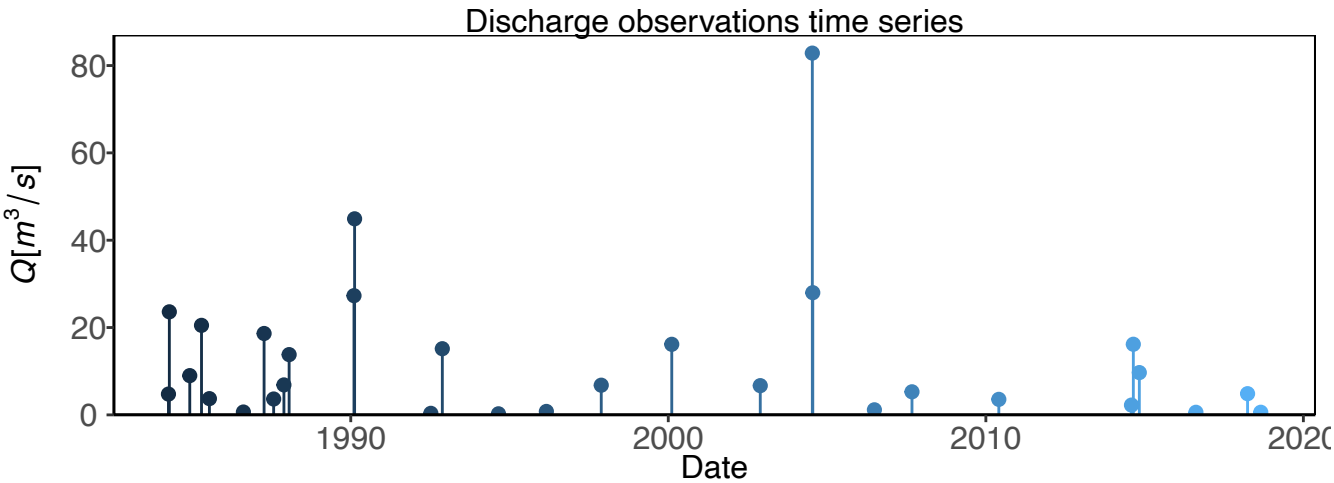
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.59	[12.94; 20.13]	9282	1.00
b	3.10	[2.64; 3.57]	8835	1.00
c	8.81	[8.73; 8.89]	8418	1.00
σ_ε	0.12	[0.09; 0.16]	8954	1.00

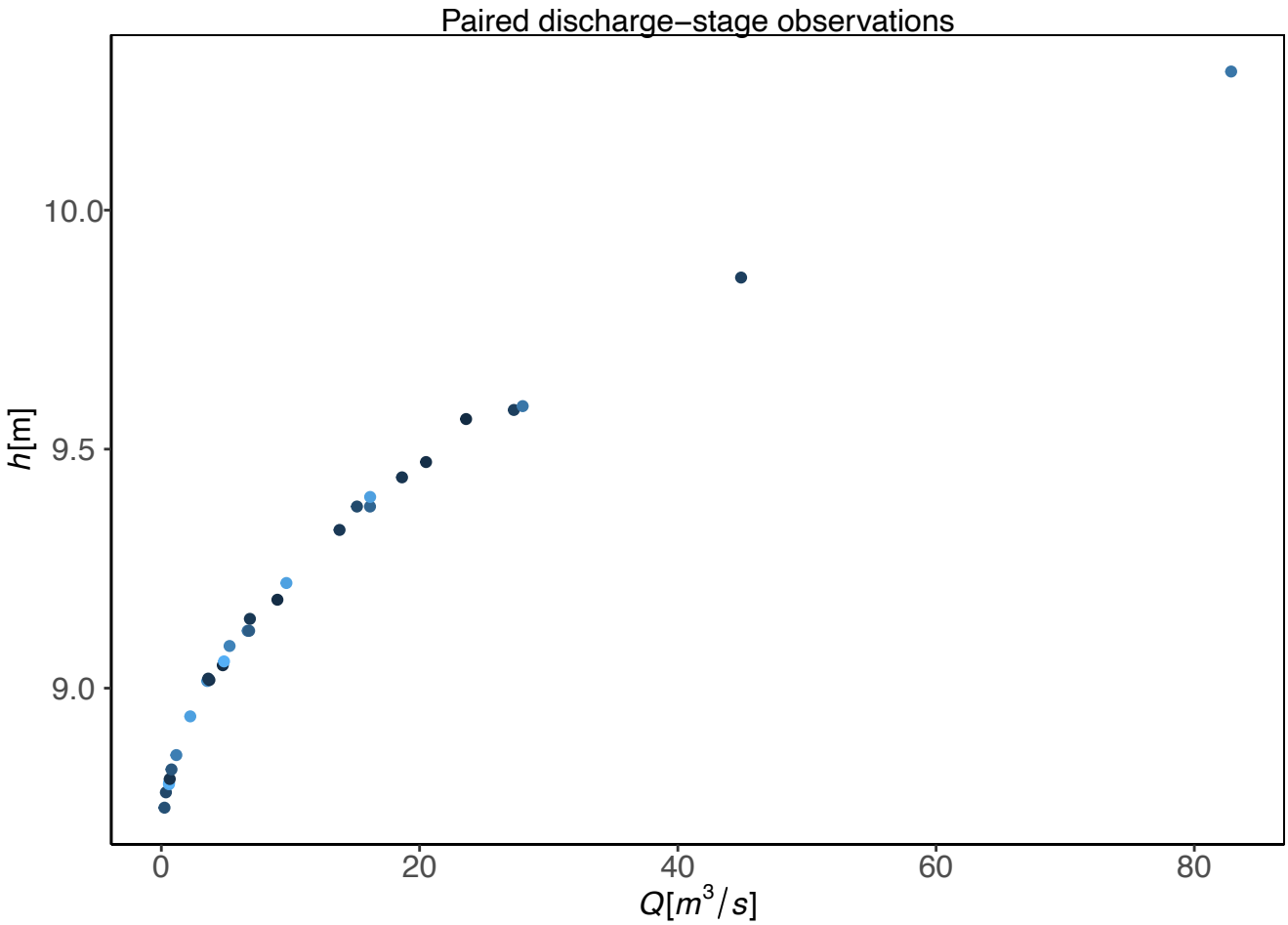
Power−law tournament results for Stensåkra, Sweden



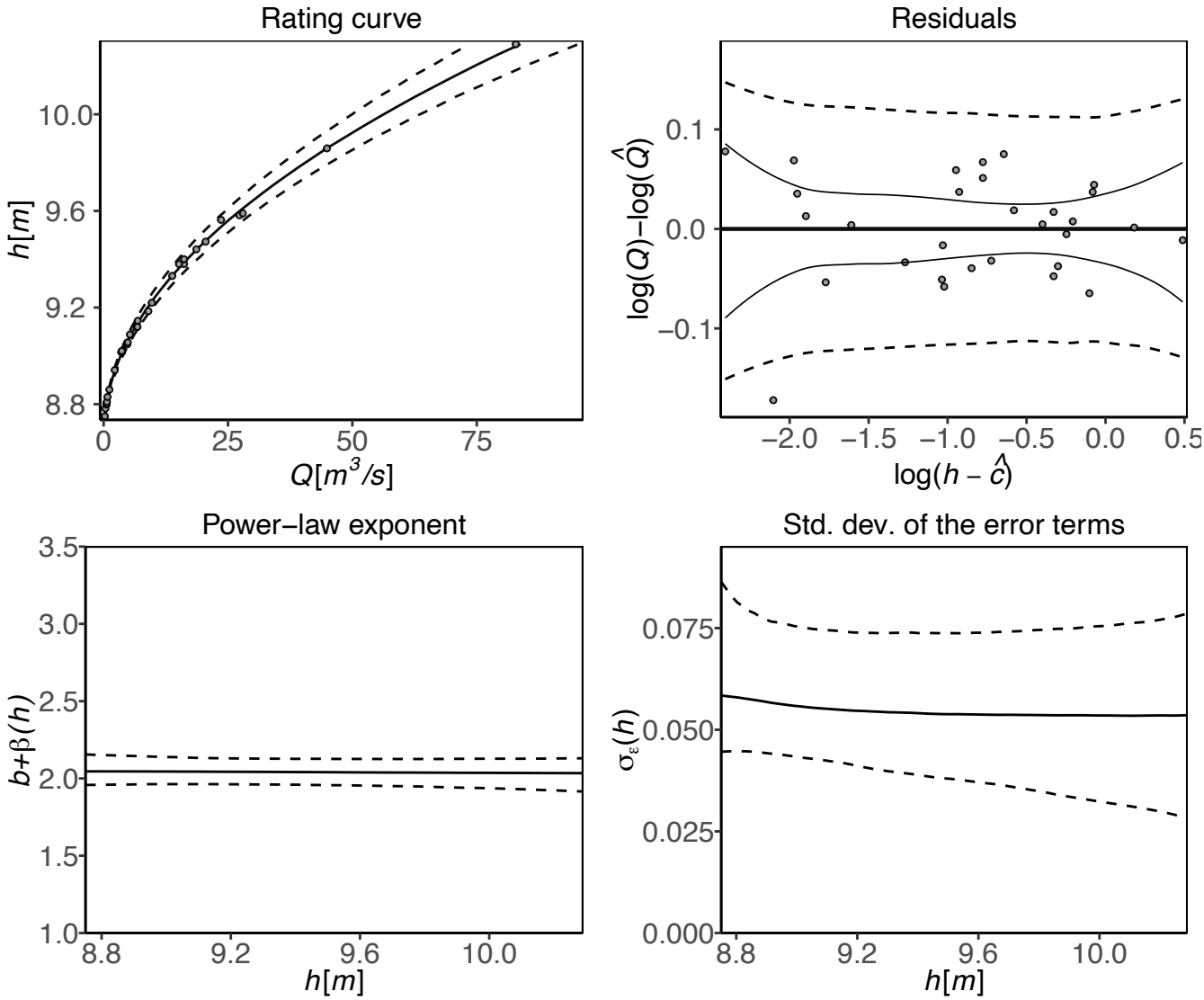
Station name:	Fryele
Location:	Sweden
Station number:	2362
Number of observations:	30
Start date:	1984–04–05
End date:	2018–08–29
Max. discharge (m^3/s):	82.8
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.23	0.28
GPLM0	1.30	0.17
PLM	0.00	0.32
PLM0	0.66	0.23



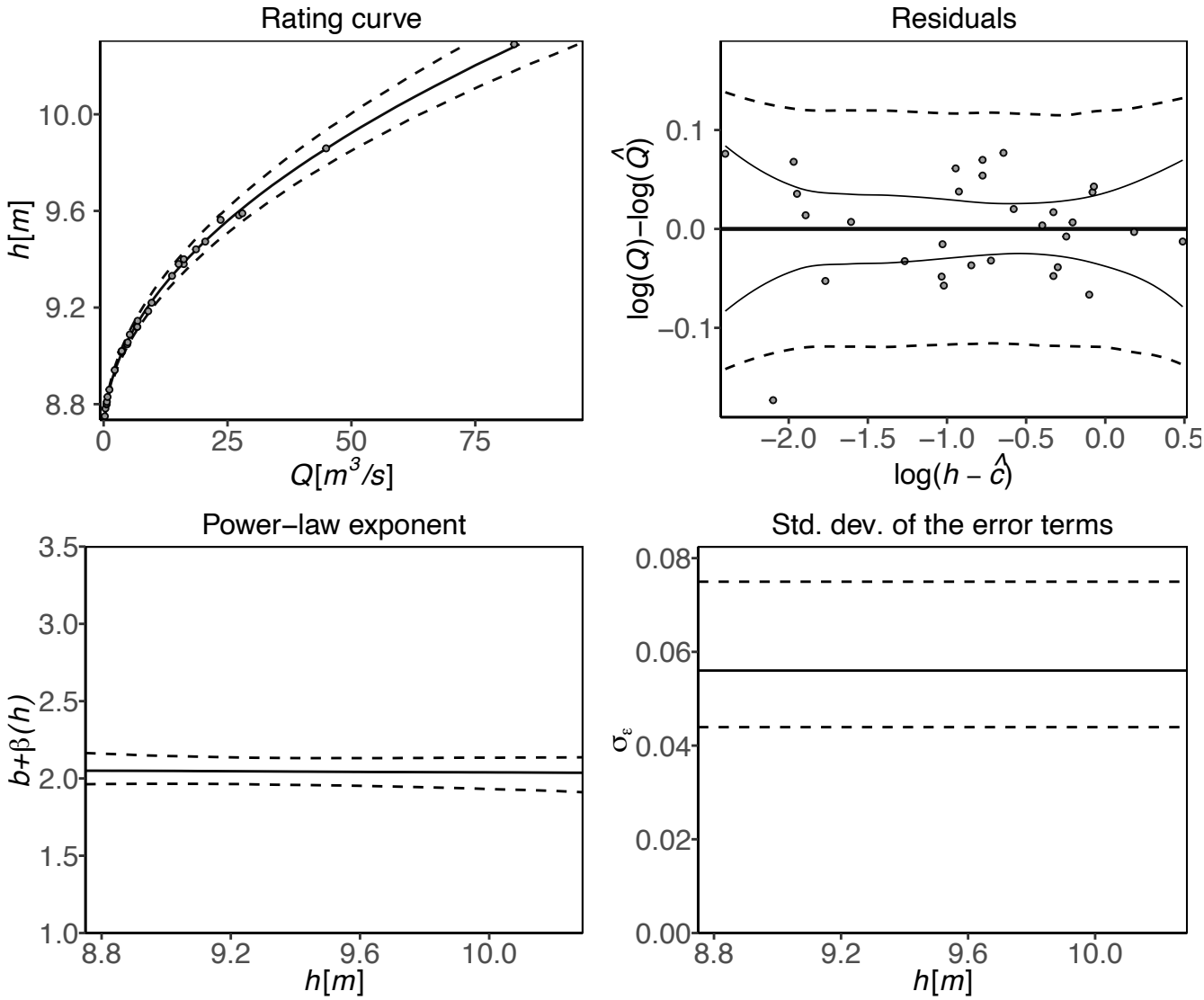


Fryele, Sweden – GPLM



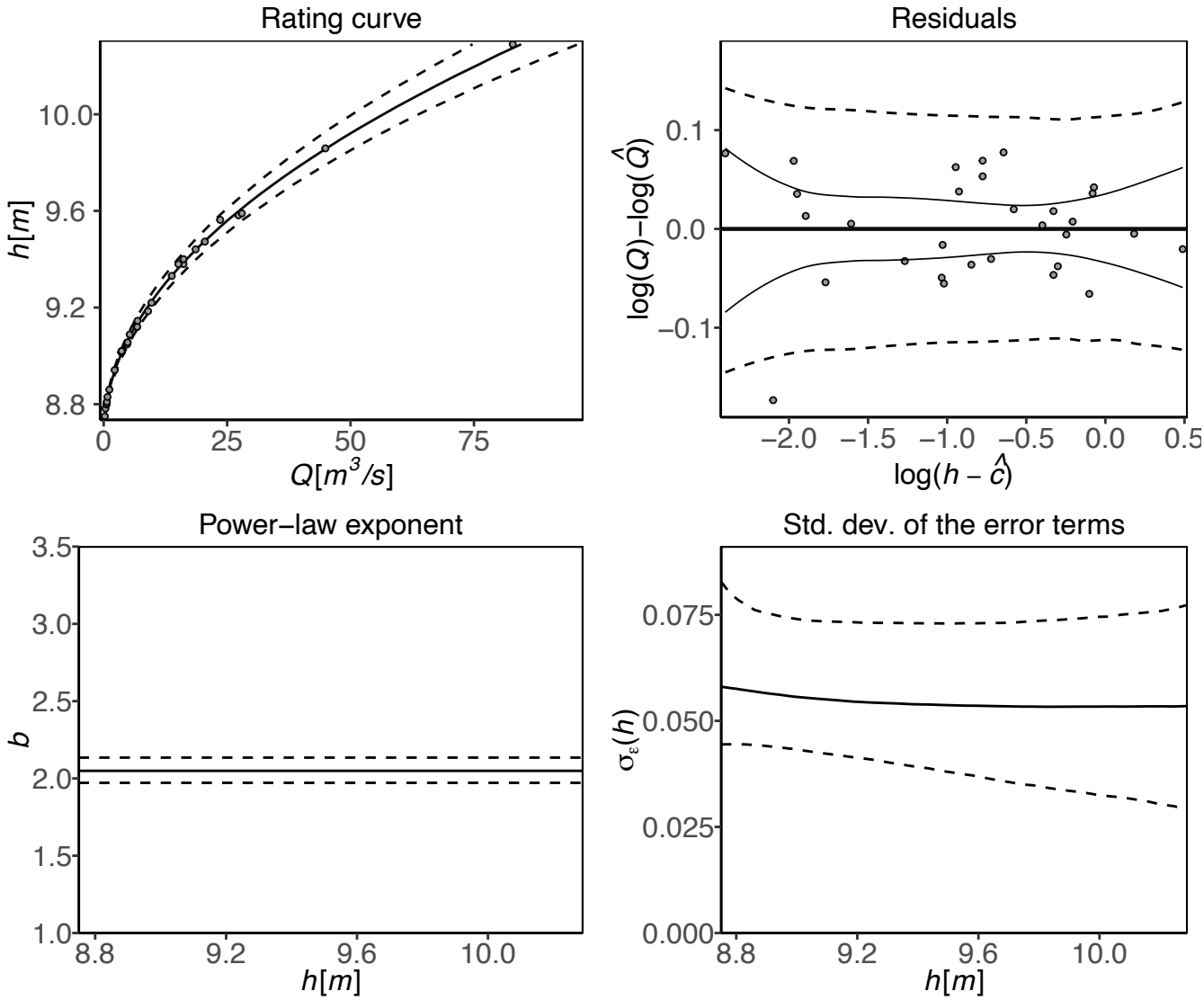
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	31.02	[29.90; 32.10]	4646	1.00
b	1.84	[1.83; 1.84]	9274	1.00
c	8.66	[8.64; 8.67]	1763	1.00
σ_β	0.21	[0.08; 0.63]	2237	1.00
ϕ_β	26.13	[1.40; 30782.10]	1165	1.01
σ_η	0.11	[0.00; 0.55]	1475	1.00
η_1	–5.68	[–6.22; –4.90]	2138	1.00
η_2	–6.05	[–7.91; –4.07]	2154	1.00
η_3	–6.44	[–8.94; –3.56]	2341	1.00
η_4	–6.68	[–9.69; –3.11]	2267	1.00
η_5	–6.71	[–10.44; –2.65]	2153	1.00
η_6	–6.75	[–10.94; –2.21]	2341	1.00

Fryele, Sweden – GPLM0



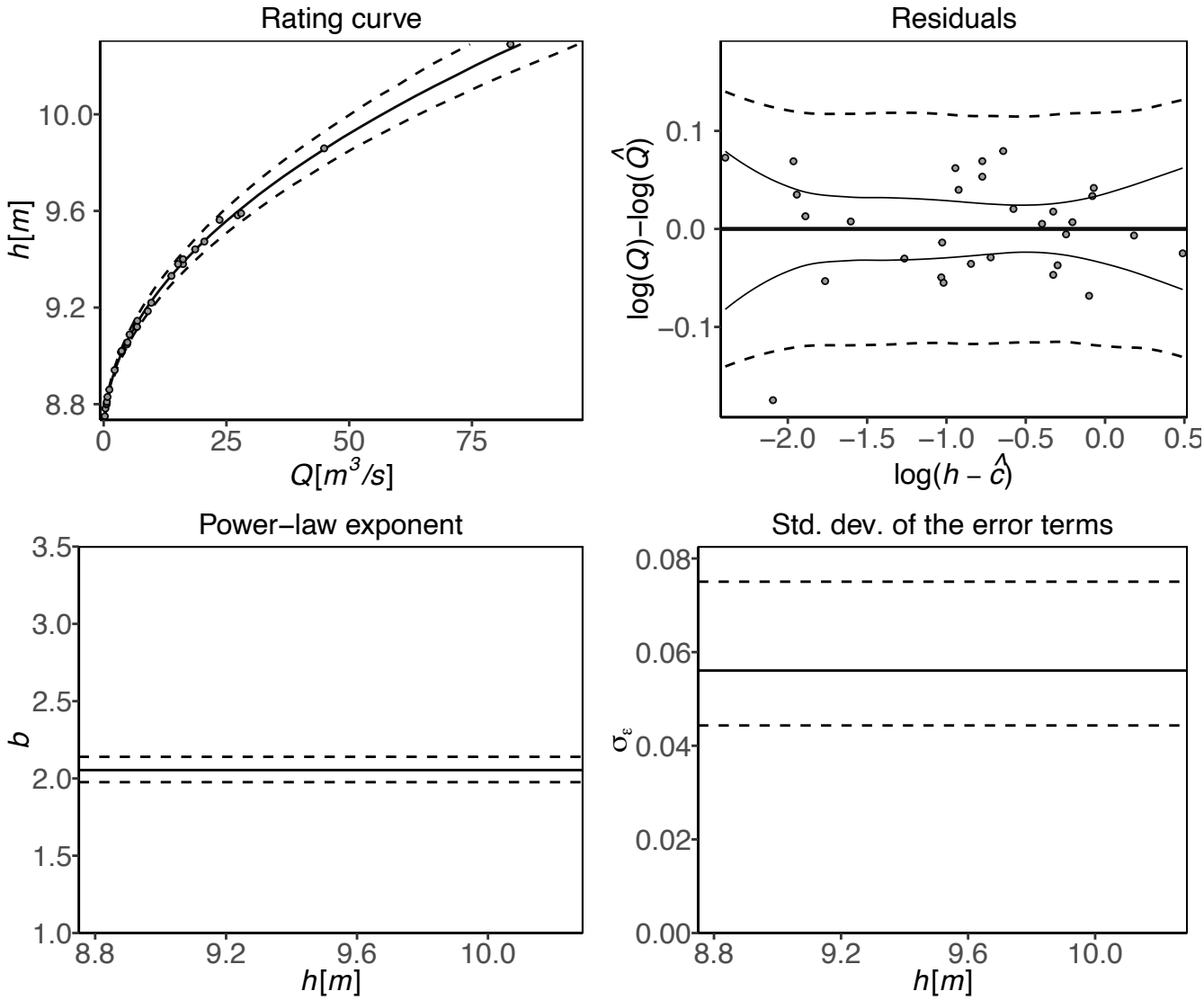
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	31.01	[29.83; 32.11]	7751	1.00
b	1.84	[1.83; 1.84]	12148	1.00
c	8.66	[8.64; 8.67]	4114	1.00
σ_ε	0.06	[0.04; 0.07]	5222	1.00
σ_β	0.46	[0.29; 0.80]	6470	1.00
ϕ_β	24.45	[1.32; 24500.13]	2086	1.00

Fryele, Sweden – PLM



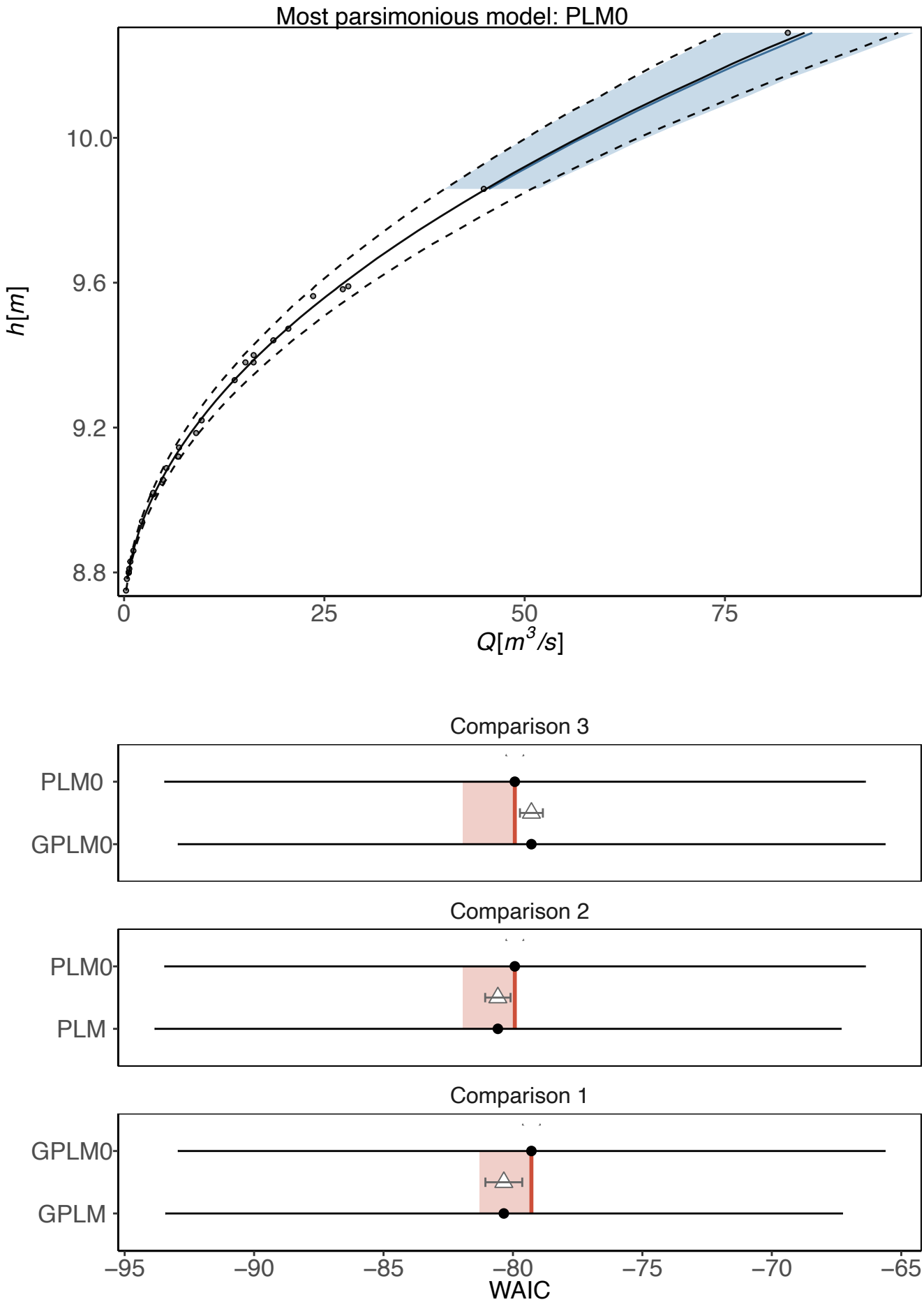
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	31.06	[30.07; 32.08]	7883	1.00
b	2.05	[1.97; 2.13]	2700	1.00
c	8.66	[8.65; 8.67]	2434	1.00
σ_η	0.11	[0.00; 0.54]	1572	1.01
η_1	–5.69	[–6.23; –4.98]	2960	1.00
η_2	–6.04	[–7.86; –4.06]	2688	1.00
η_3	–6.41	[–8.91; –3.62]	2579	1.00
η_4	–6.61	[–9.74; –3.12]	2705	1.00
η_5	–6.65	[–10.34; –2.63]	2664	1.00
η_6	–6.71	[–10.79; –2.29]	2751	1.00

Fryele, Sweden – PLM0



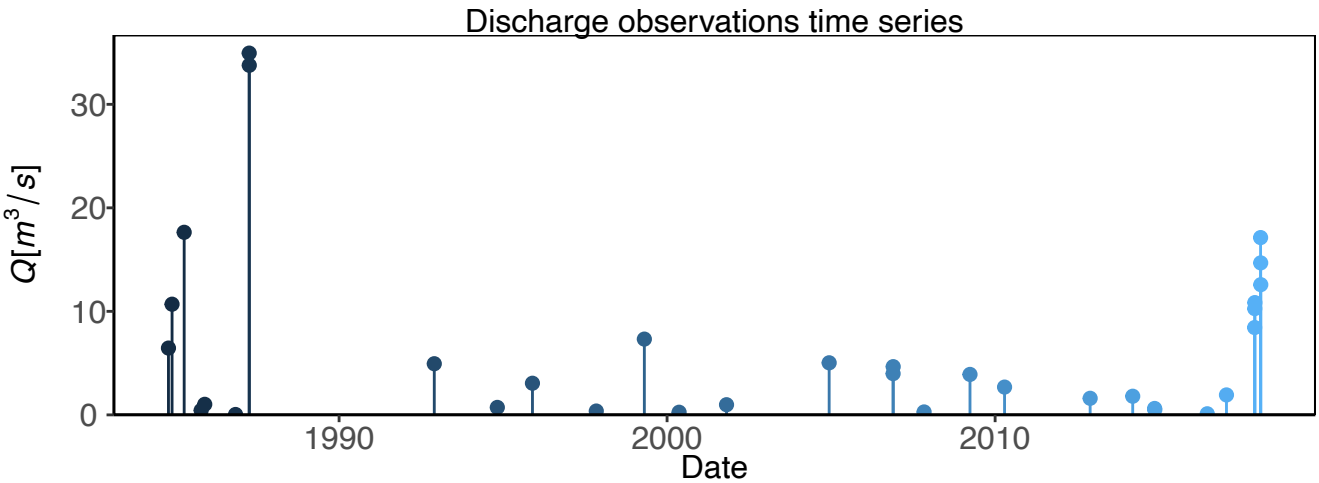
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	31.04	[30.05; 32.09]	15600	1.00
b	2.05	[1.98; 2.14]	9474	1.00
c	8.66	[8.65; 8.67]	9081	1.00
σ_ε	0.06	[0.04; 0.08]	9264	1.00

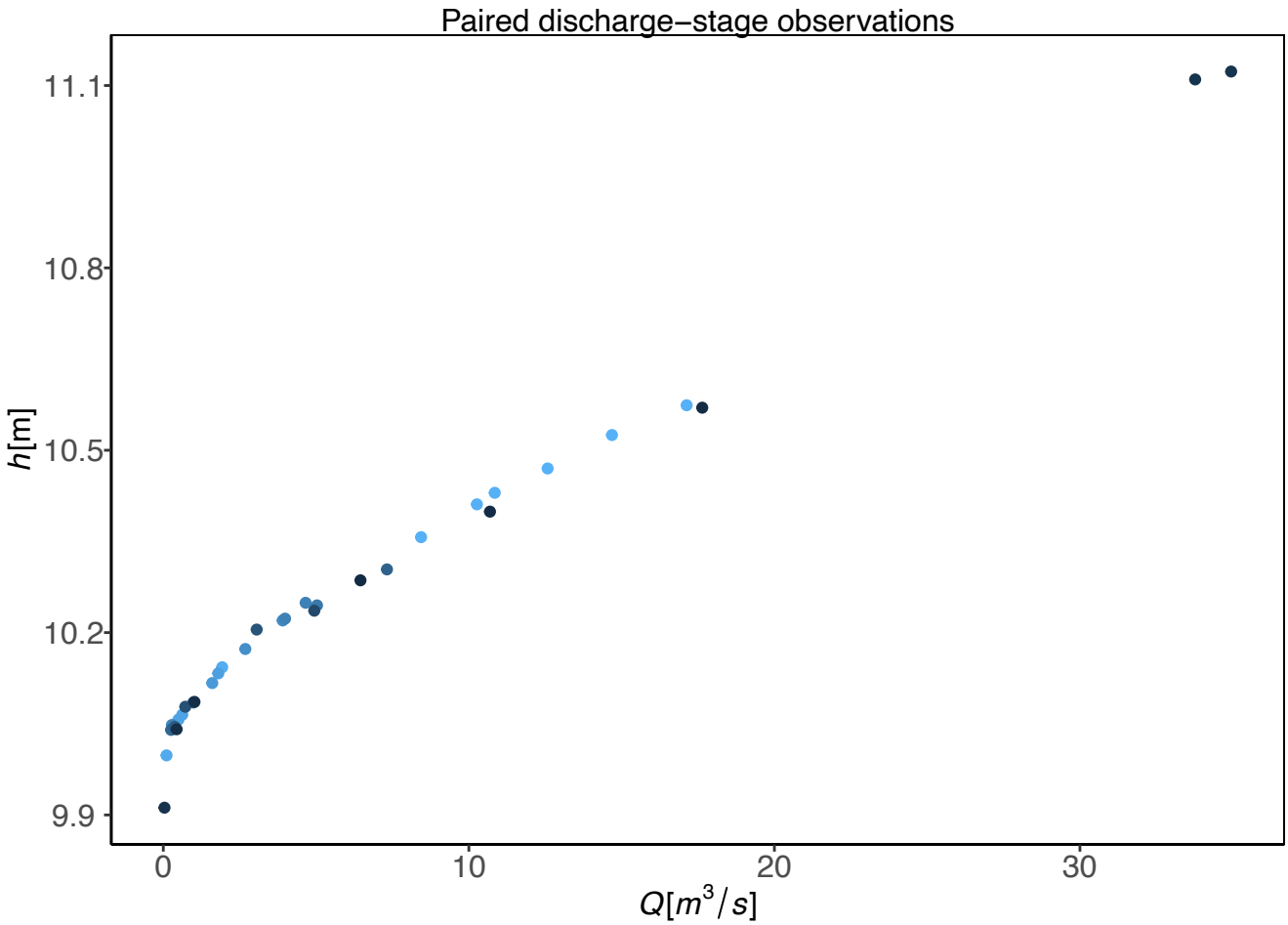
Power−law tournament results for Fryele, Sweden



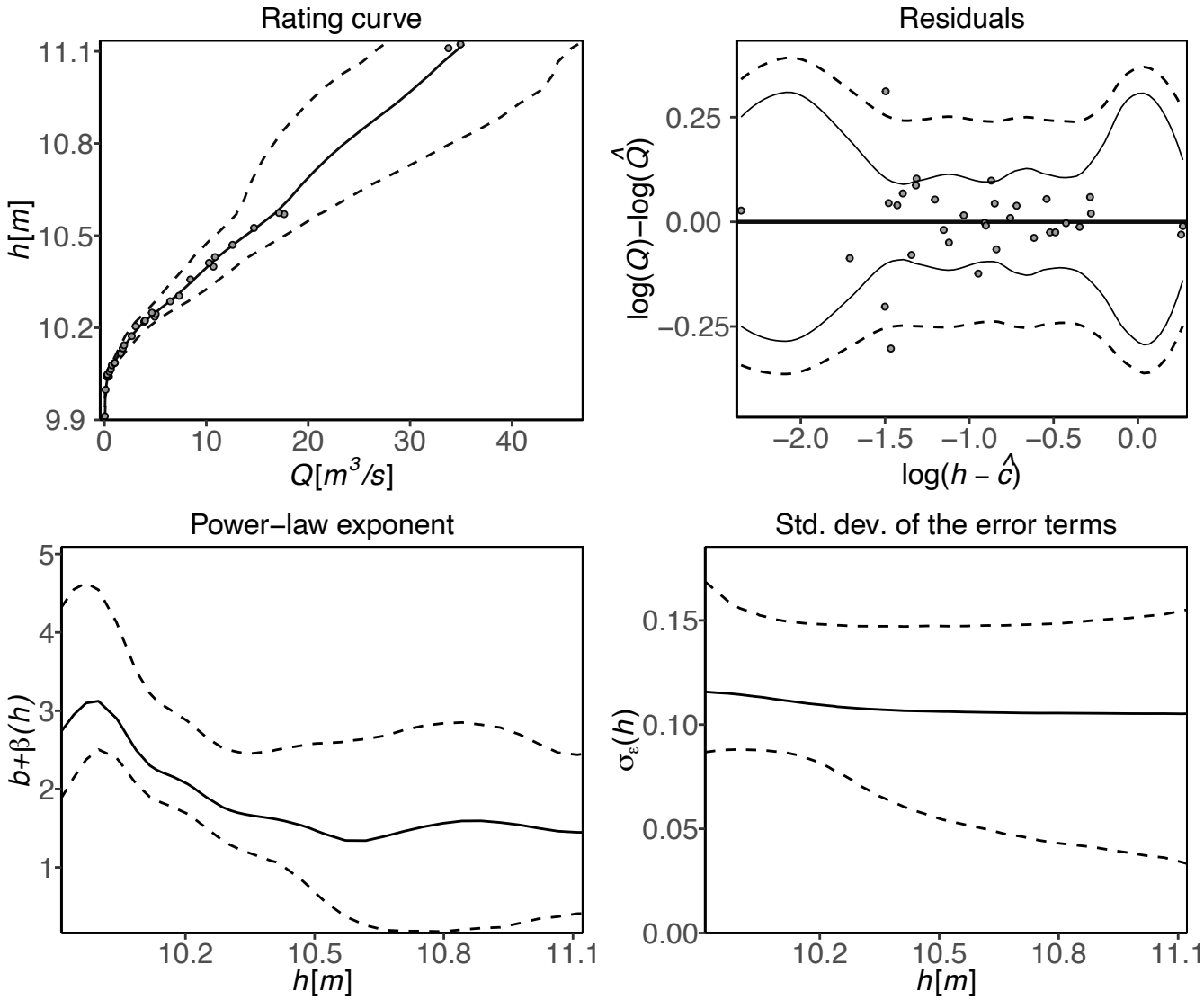
Station name:	Hörsne
Location:	Sweden
Station number:	2365
Number of observations:	33
Start date:	1984–10–19
End date:	2018–02–06
Max. discharge (m^3/s):	34.9
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.77
GPLM0	2.37	0.23
PLM	77.81	0.00
PLM0	79.28	0.00



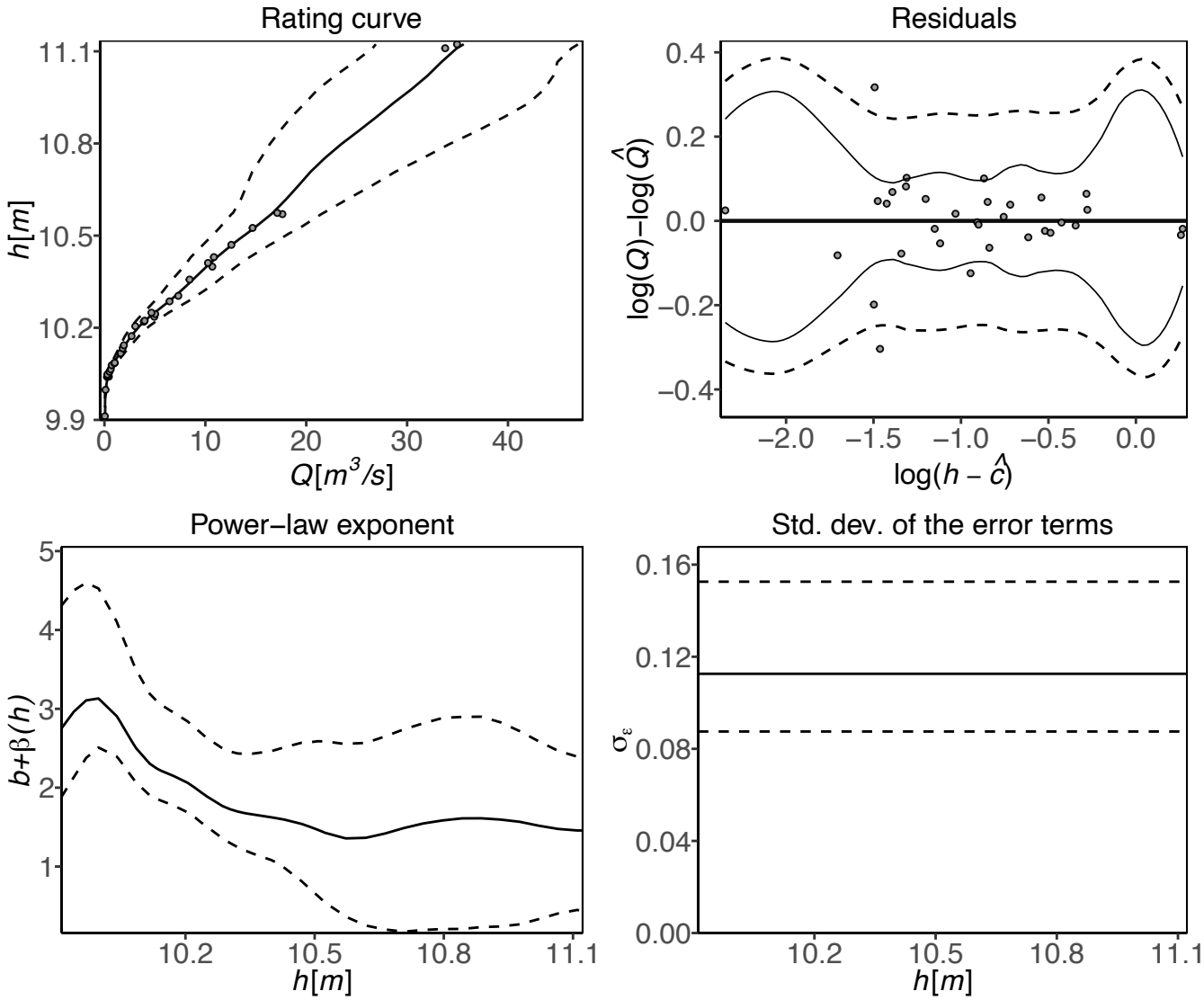


Hörsne, Sweden – GPLM



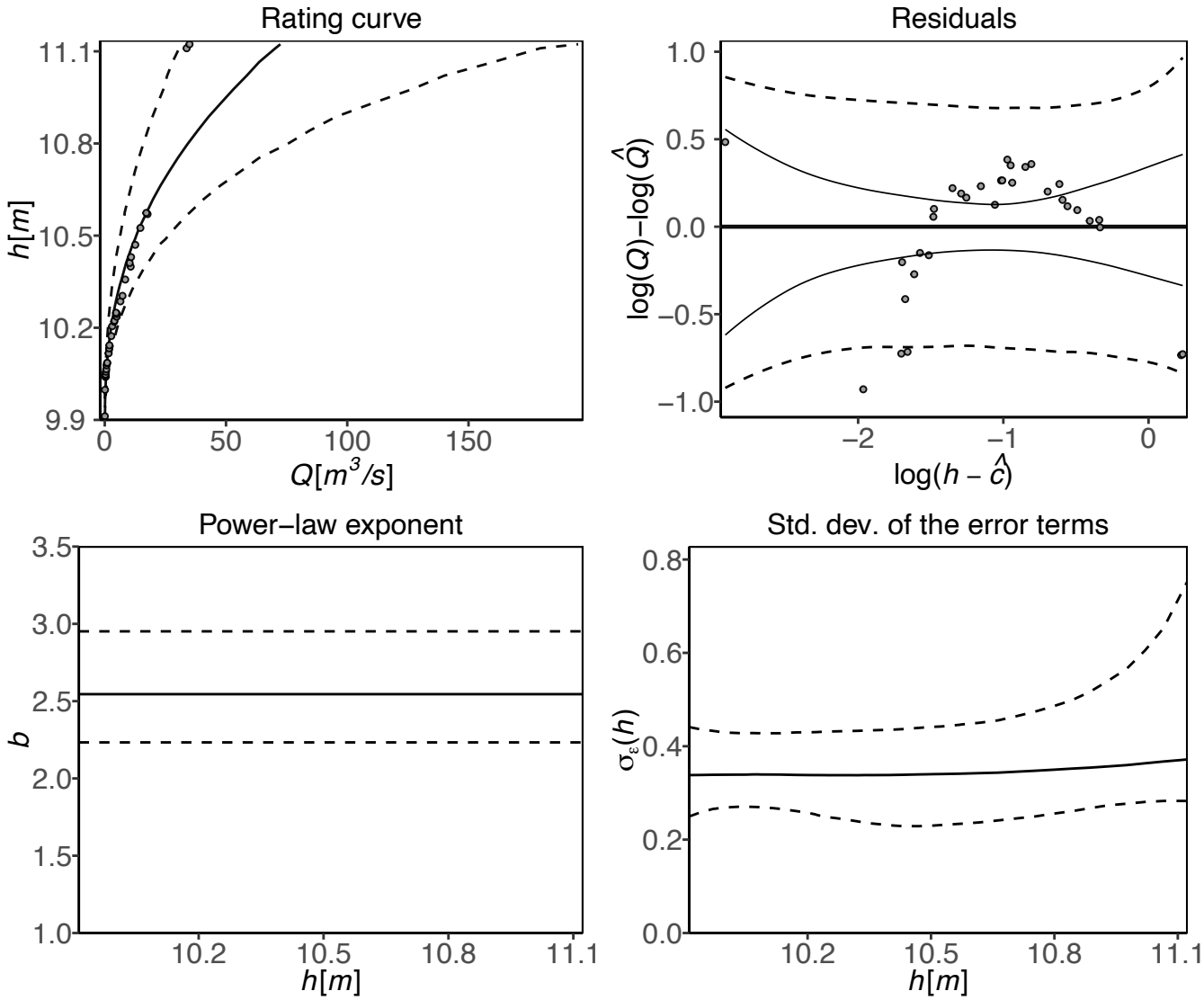
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	24.06	[17.62; 31.80]	6073	1.00
b	1.84	[1.83; 1.84]	9521	1.00
c	9.82	[9.68; 9.88]	1987	1.00
σ_β	0.65	[0.34; 1.30]	2404	1.01
ϕ_β	0.17	[0.11; 0.27]	2146	1.00
σ_η	0.11	[0.00; 0.74]	1702	1.01
η_1	–4.31	[–4.89; –3.56]	1785	1.00
η_2	–4.43	[–6.28; –2.64]	2073	1.00
η_3	–5.04	[–7.57; –2.22]	2414	1.00
η_4	–5.31	[–8.51; –1.68]	2276	1.00
η_5	–5.35	[–9.24; –1.19]	2098	1.00
η_6	–5.46	[–9.79; –0.80]	2311	1.00

Hörsne, Sweden – GPLM0



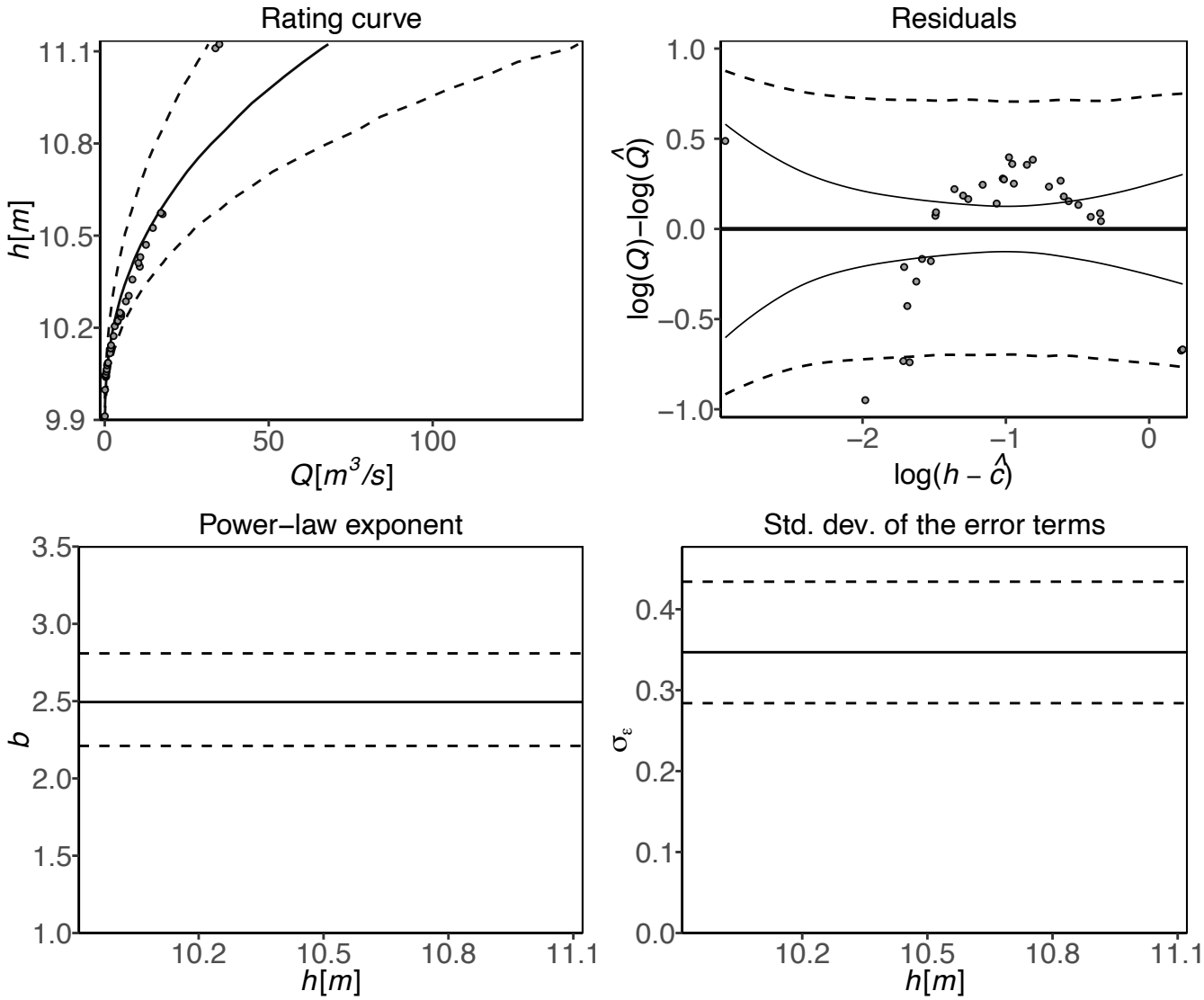
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	24.04	[17.52; 31.61]	10768	1.00
b	1.84	[1.83; 1.84]	11409	1.00
c	9.82	[9.68; 9.88]	4849	1.00
σ_ε	0.11	[0.09; 0.15]	5302	1.00
σ_β	0.80	[0.59; 1.13]	5755	1.00
ϕ_β	0.17	[0.11; 0.27]	4784	1.00

Hörsne, Sweden – PLM



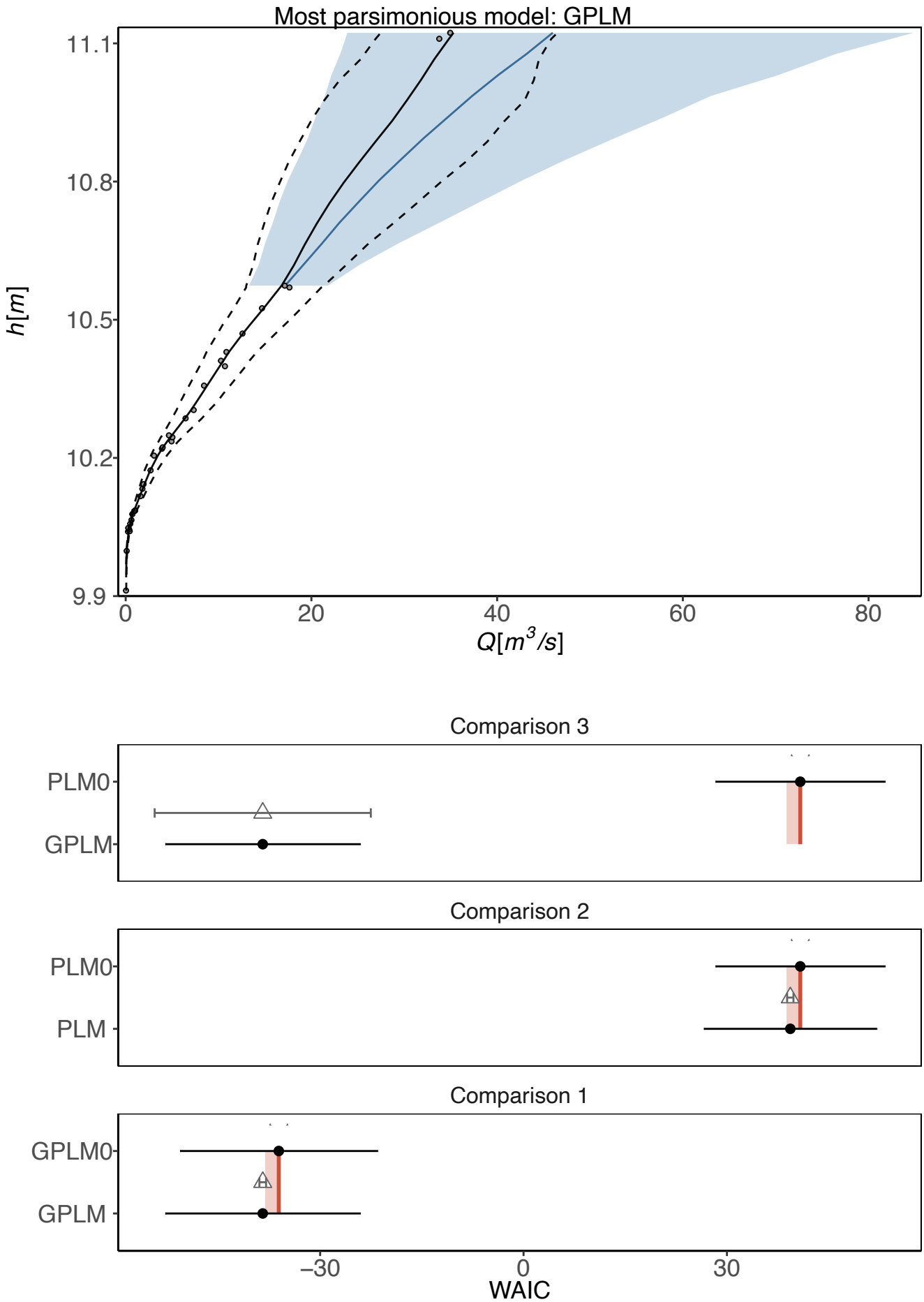
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	39.49	[30.38; 53.45]	5269	1.00
b	2.55	[2.23; 2.95]	3155	1.00
c	9.86	[9.83; 9.88]	2087	1.00
σ_η	0.12	[0.00; 0.72]	1489	1.00
η_1	–2.17	[–2.78; –1.64]	2441	1.00
η_2	–2.03	[–3.75; –0.29]	2008	1.00
η_3	–2.20	[–4.60; 0.47]	2129	1.00
η_4	–1.94	[–5.01; 1.18]	2003	1.00
η_5	–1.50	[–5.20; 1.91]	2368	1.00
η_6	–0.98	[–5.43; 2.72]	2349	1.00

Hörsne, Sweden – PLM0



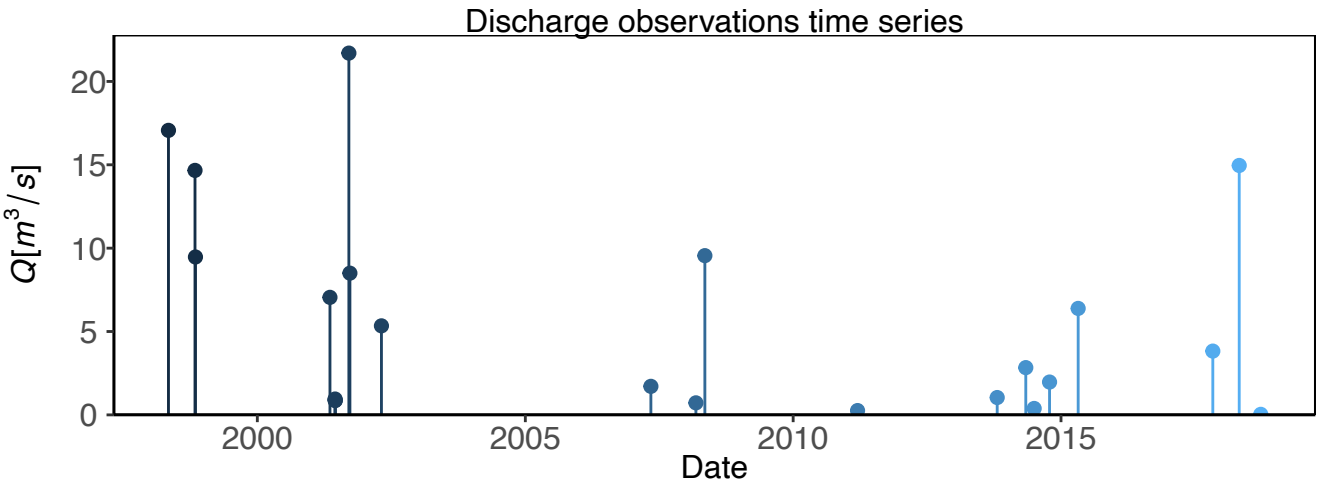
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	37.88	[29.71; 47.62]	14711	1.00
b	2.49	[2.21; 2.81]	10936	1.00
c	9.86	[9.83; 9.88]	9850	1.00
σ_ε	0.35	[0.28; 0.43]	10037	1.00

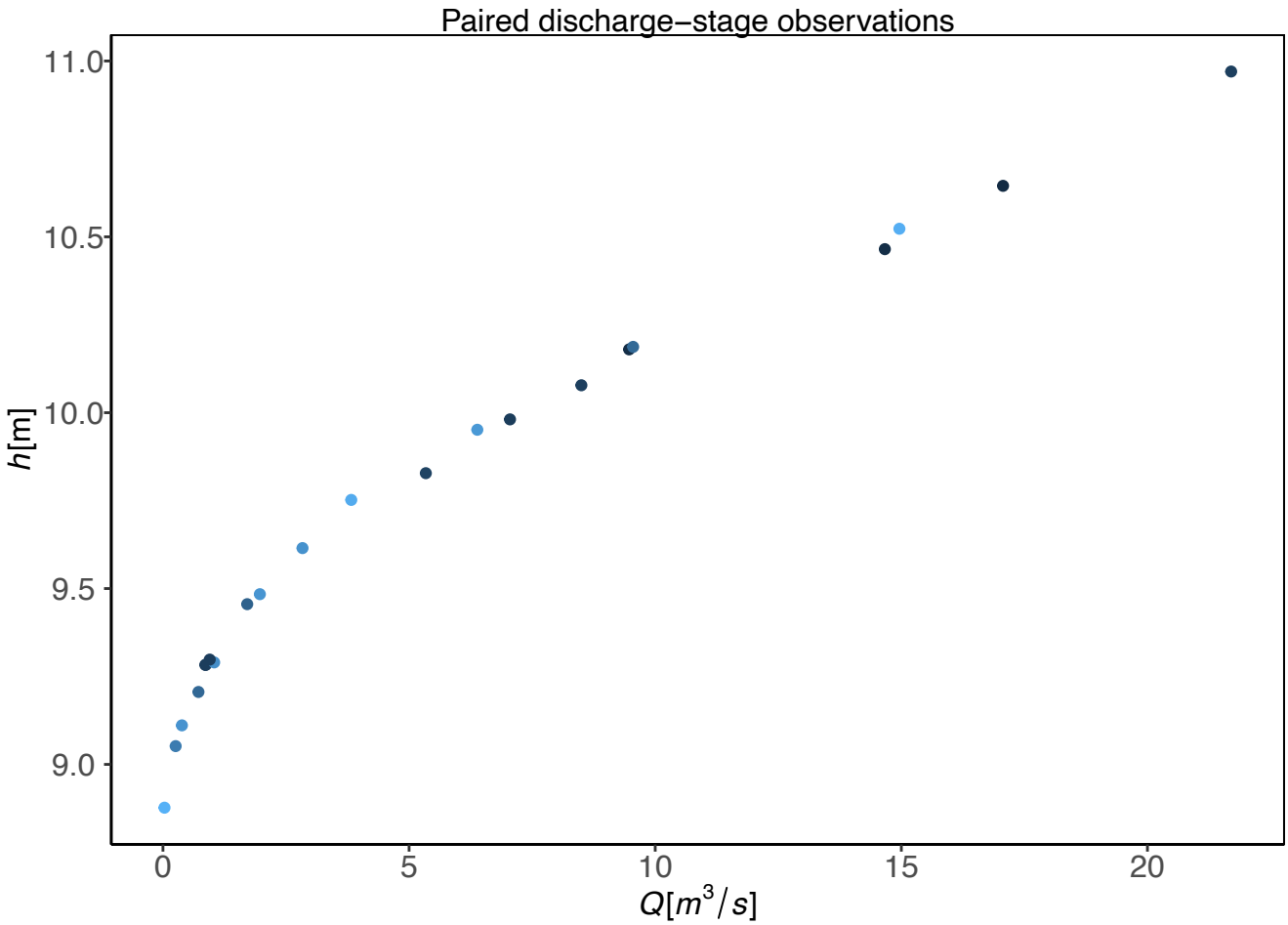
Power−law tournament results for Hörsne, Sweden



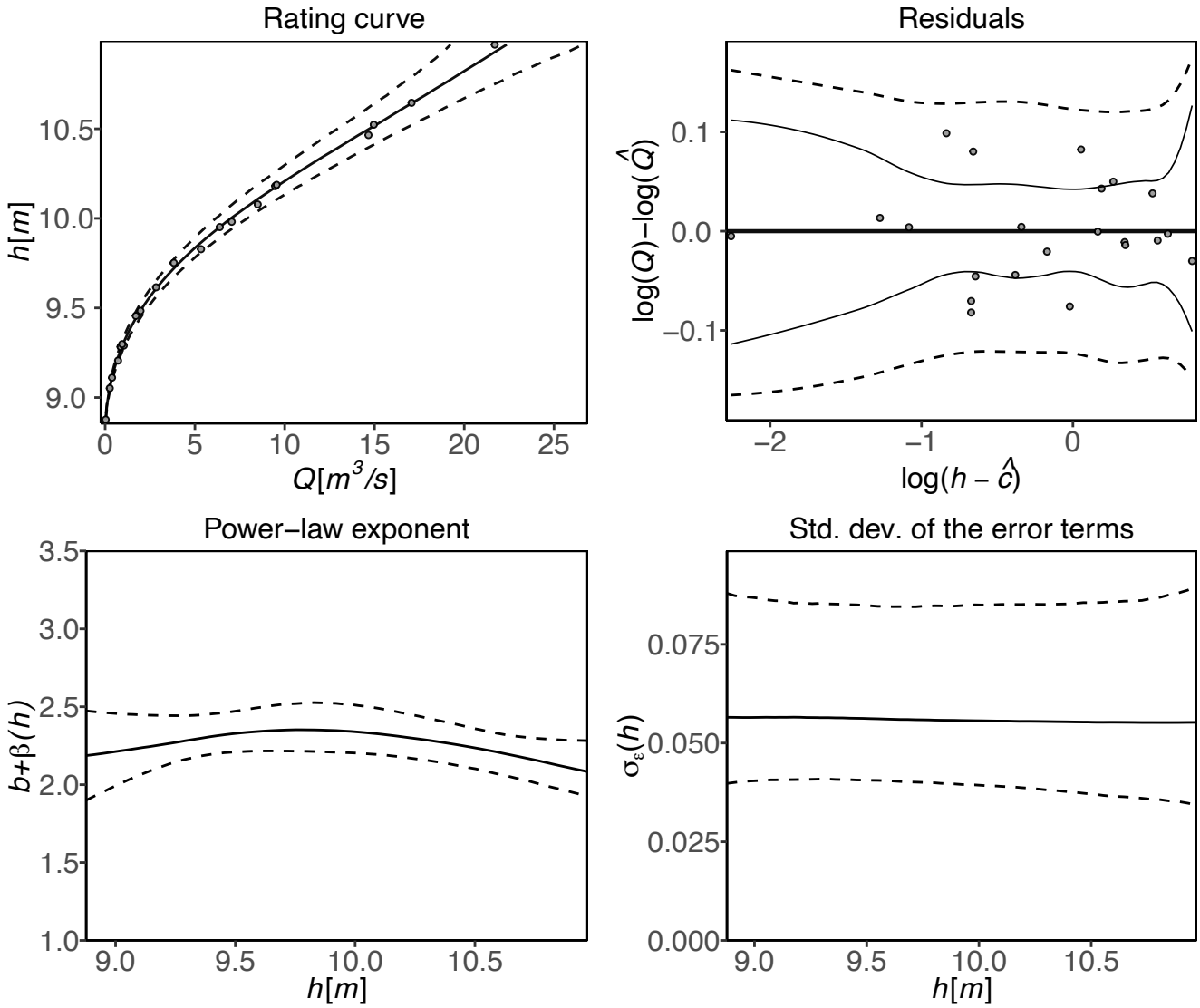
Station name:	Risnäs
Location:	Sweden
Station number:	2398
Number of observations:	22
Start date:	1998–05–05
End date:	2018–09–24
Max. discharge (m^3/s):	21.7
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.74
GPLM0	2.33	0.23
PLM	8.19	0.01
PLM0	8.30	0.01



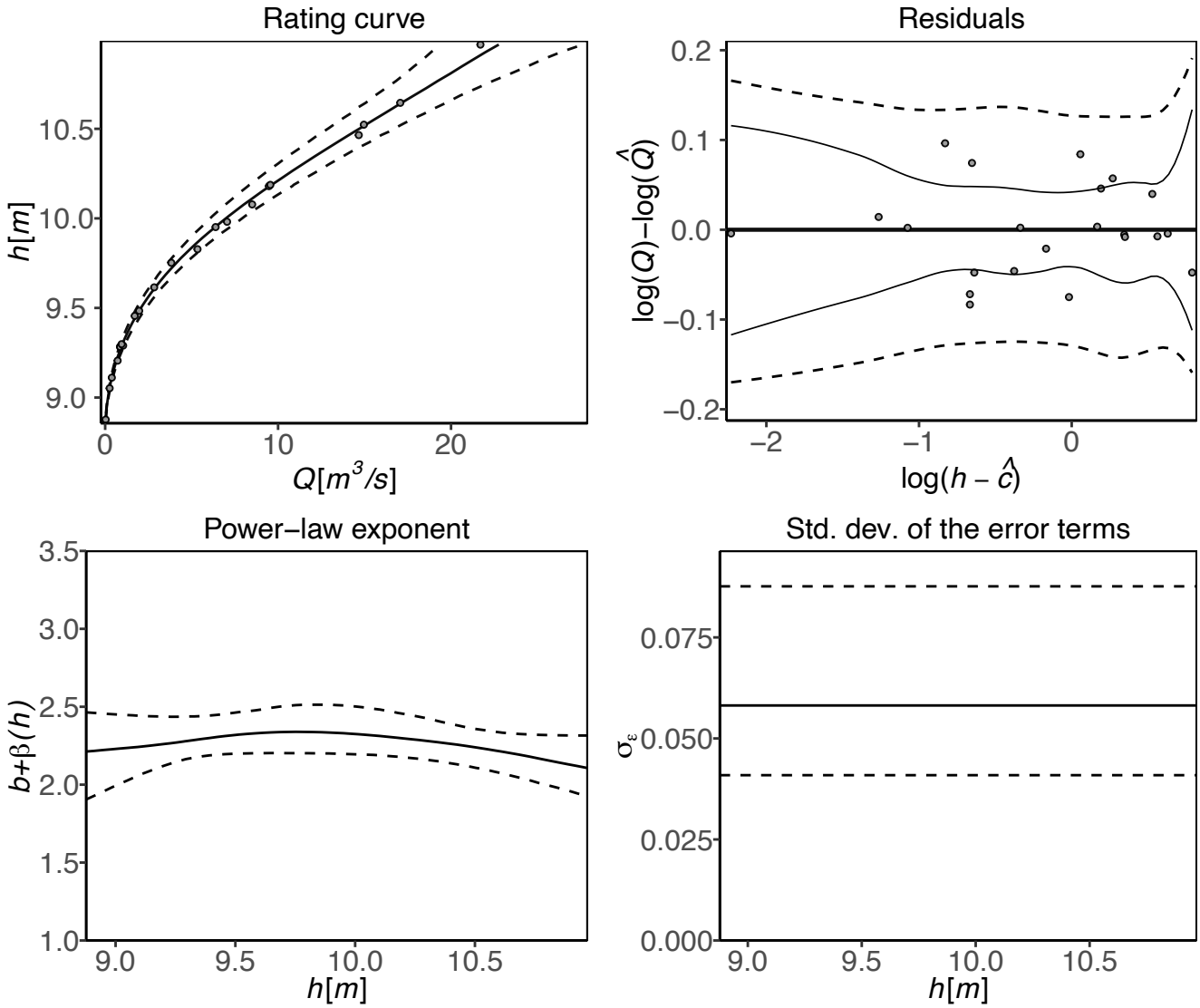


Risnäs, Sweden – GPLM



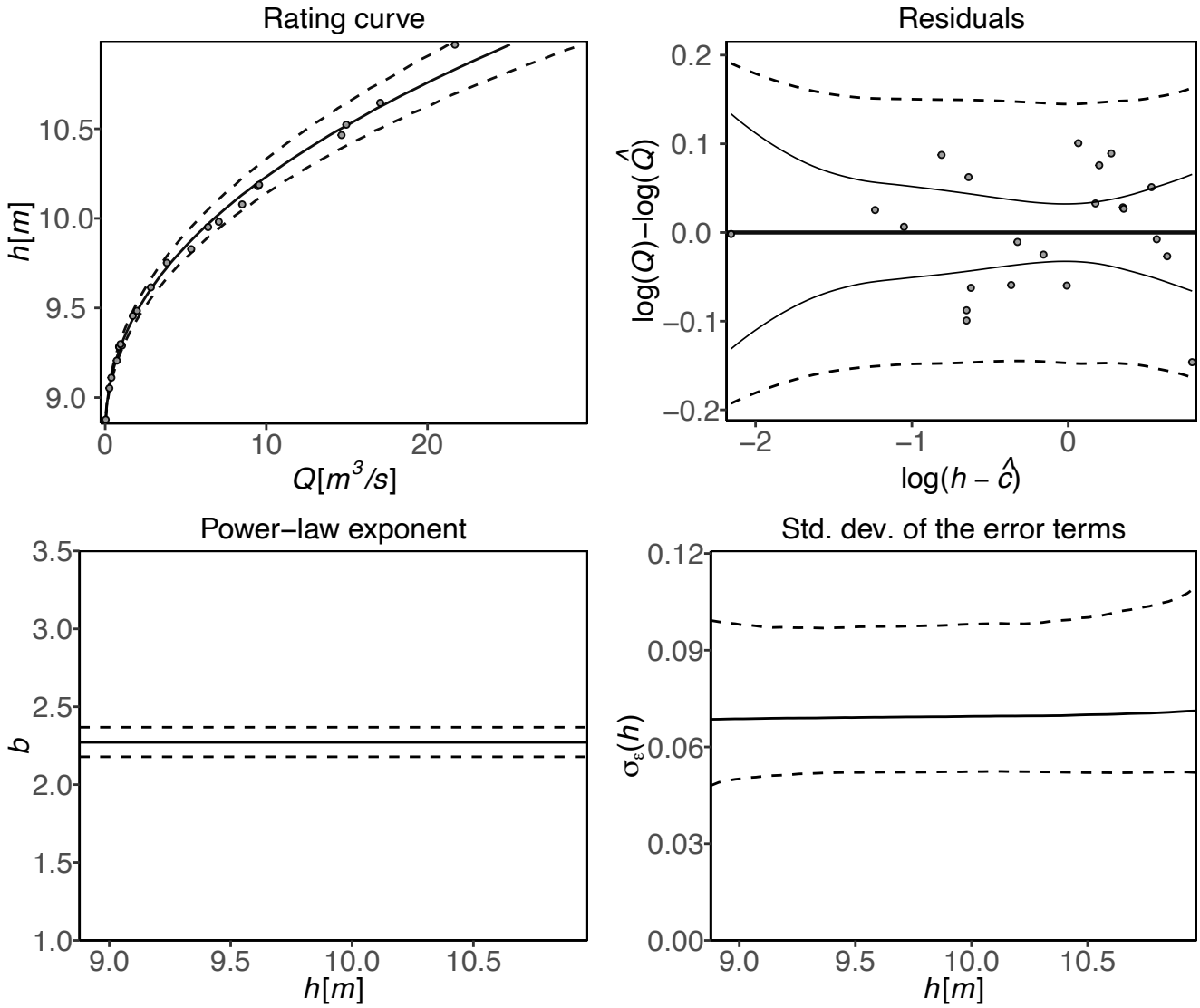
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	4.33	[3.96; 4.75]	1903	1.01
b	1.84	[1.83; 1.84]	10487	1.00
c	8.77	[8.73; 8.81]	1700	1.00
σ_β	0.34	[0.17; 0.81]	2223	1.00
ϕ_β	1.76	[0.71; 17.34]	954	1.02
σ_η	0.08	[0.00; 0.44]	1792	1.00
η_1	–5.75	[–6.45; –4.86]	1717	1.00
η_2	–5.72	[–7.60; –3.75]	2297	1.00
η_3	–5.84	[–8.48; –3.16]	2155	1.00
η_4	–5.98	[–9.30; –2.59]	2437	1.00
η_5	–6.05	[–9.90; –2.12]	2219	1.00
η_6	–6.02	[–10.30; –1.64]	2286	1.01

Risnäs, Sweden – GPLM0



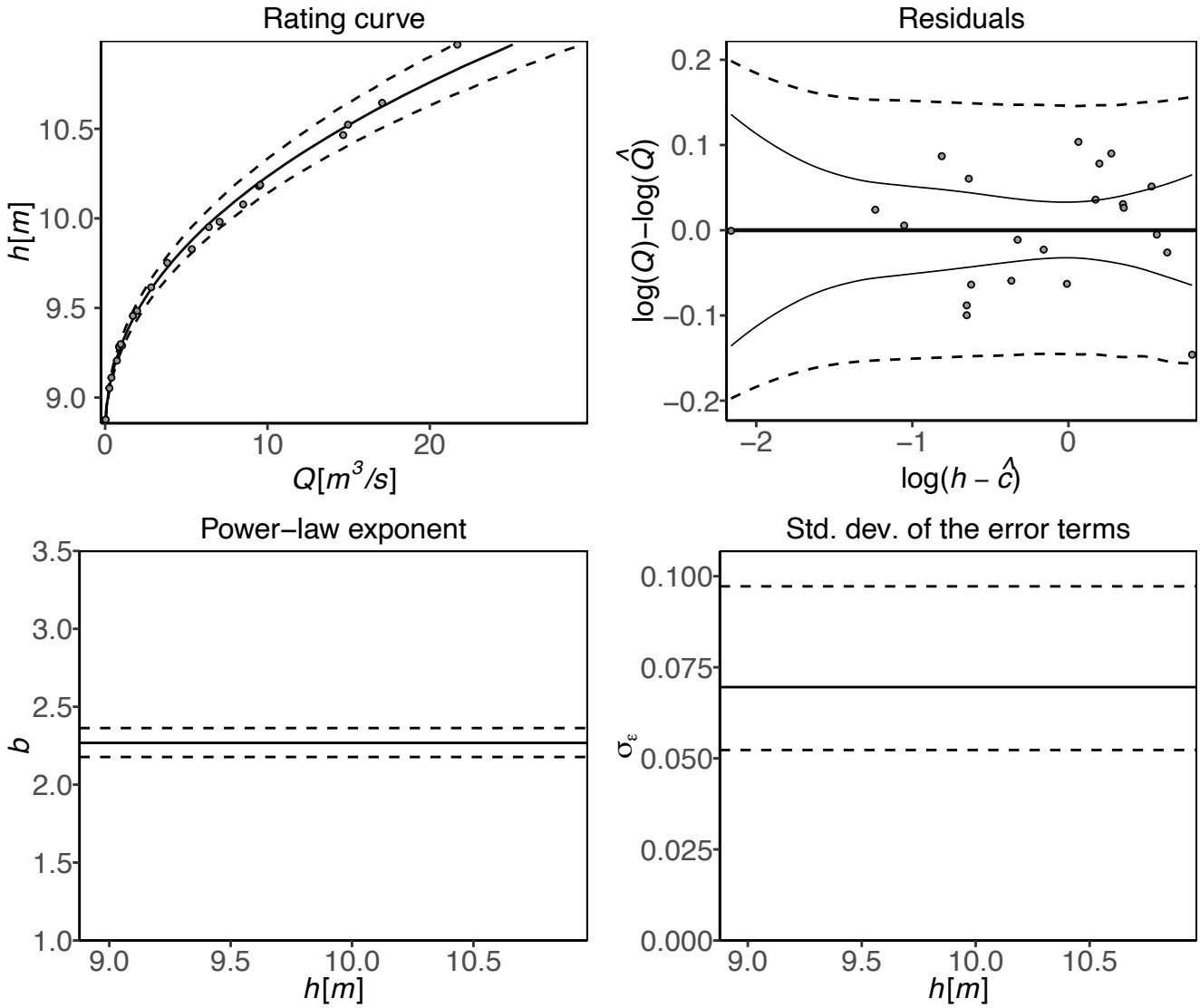
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	4.29	[3.95; 4.72]	2896	1.01
b	1.84	[1.83; 1.84]	11915	1.00
c	8.77	[8.74; 8.81]	3130	1.01
σ_ε	0.06	[0.04; 0.09]	2247	1.01
σ_β	0.58	[0.41; 0.89]	4998	1.00
ϕ_β	1.99	[0.72; 7853.46]	761	1.09

Risnäs, Sweden – PLM



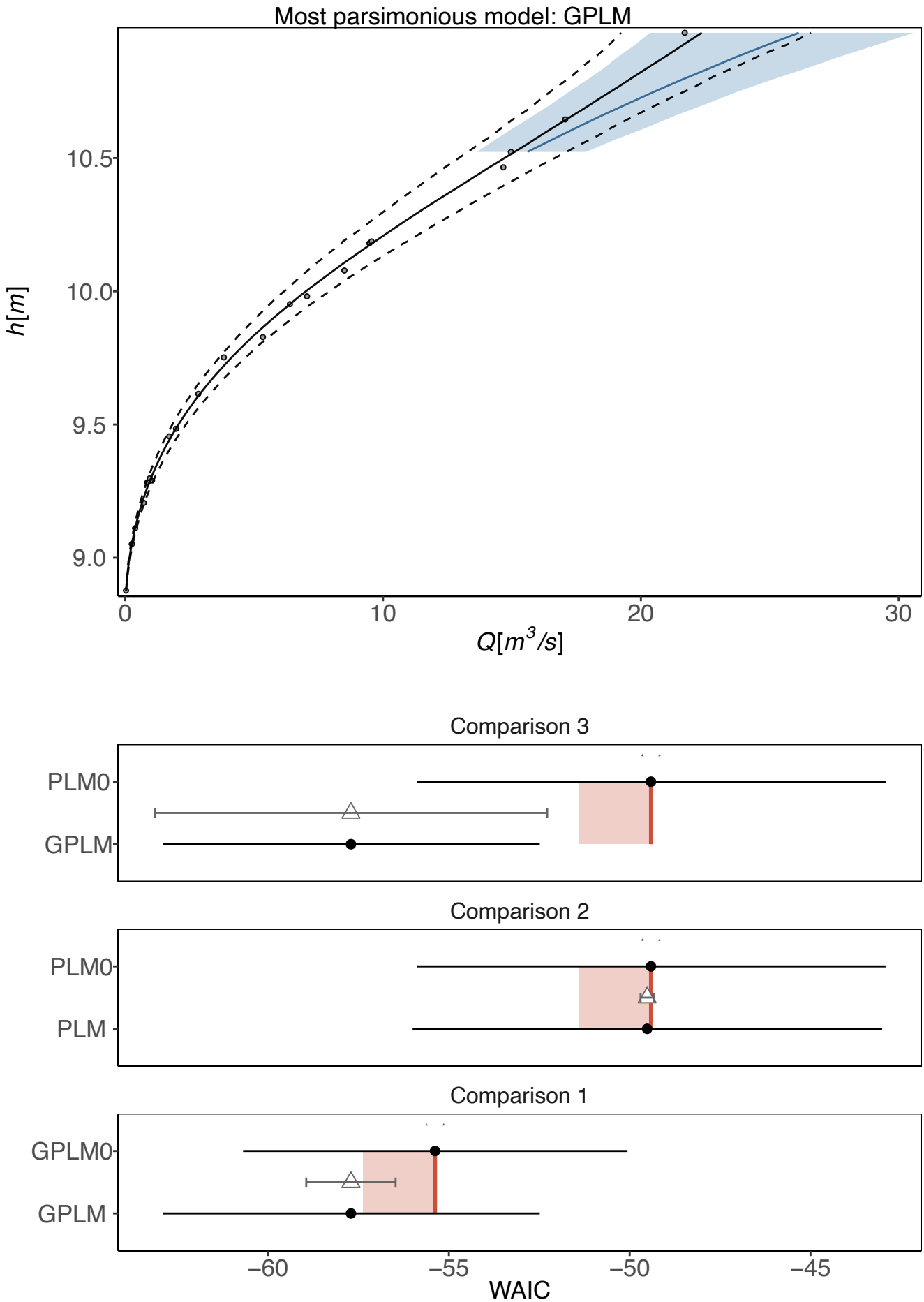
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	4.16	[3.92; 4.39]	3155	1.00
b	2.27	[2.18; 2.37]	2768	1.00
c	8.76	[8.74; 8.78]	2329	1.00
σ_η	0.08	[0.00; 0.44]	1718	1.00
η_1	–5.36	[–6.07; –4.62]	2203	1.00
η_2	–5.31	[–7.21; –3.38]	2670	1.00
η_3	–5.27	[–7.93; –2.60]	2807	1.00
η_4	–5.23	[–8.40; –2.05]	2857	1.00
η_5	–5.14	[–8.88; –1.49]	2828	1.00
η_6	–4.88	[–9.16; –0.93]	2733	1.00

Risnäs, Sweden – PLM0



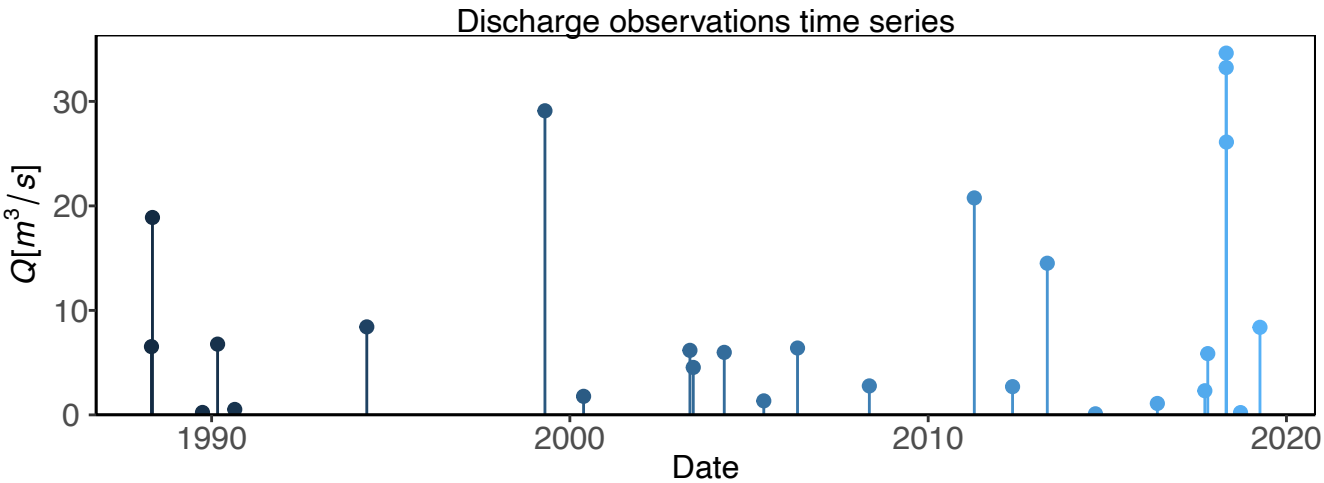
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	4.16	[3.92; 4.40]	10338	1.00
b	2.27	[2.18; 2.36]	9782	1.00
c	8.76	[8.74; 8.78]	8674	1.00
σ_ε	0.07	[0.05; 0.10]	8745	1.00

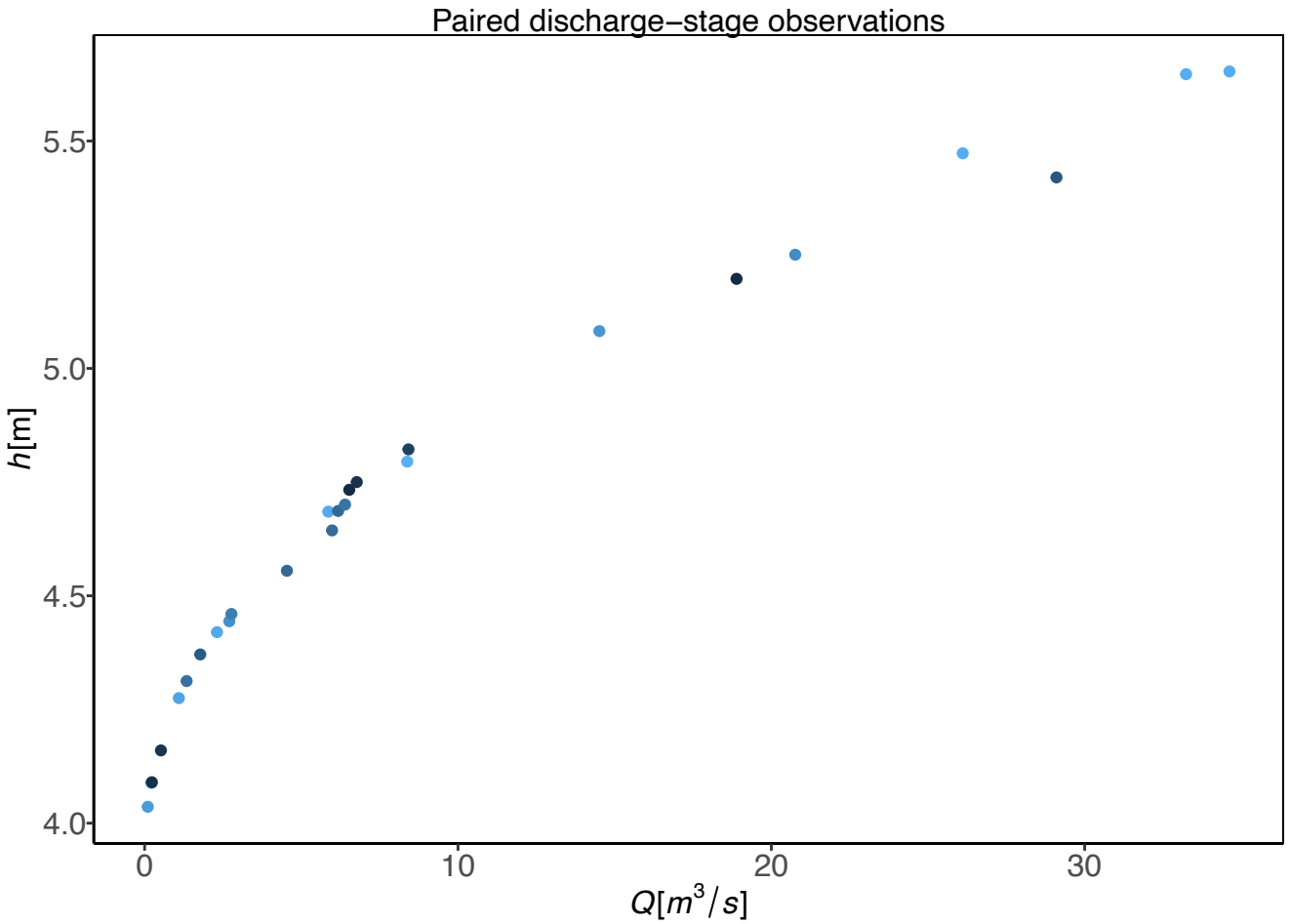
Power−law tournament results for Risnäs, Sweden



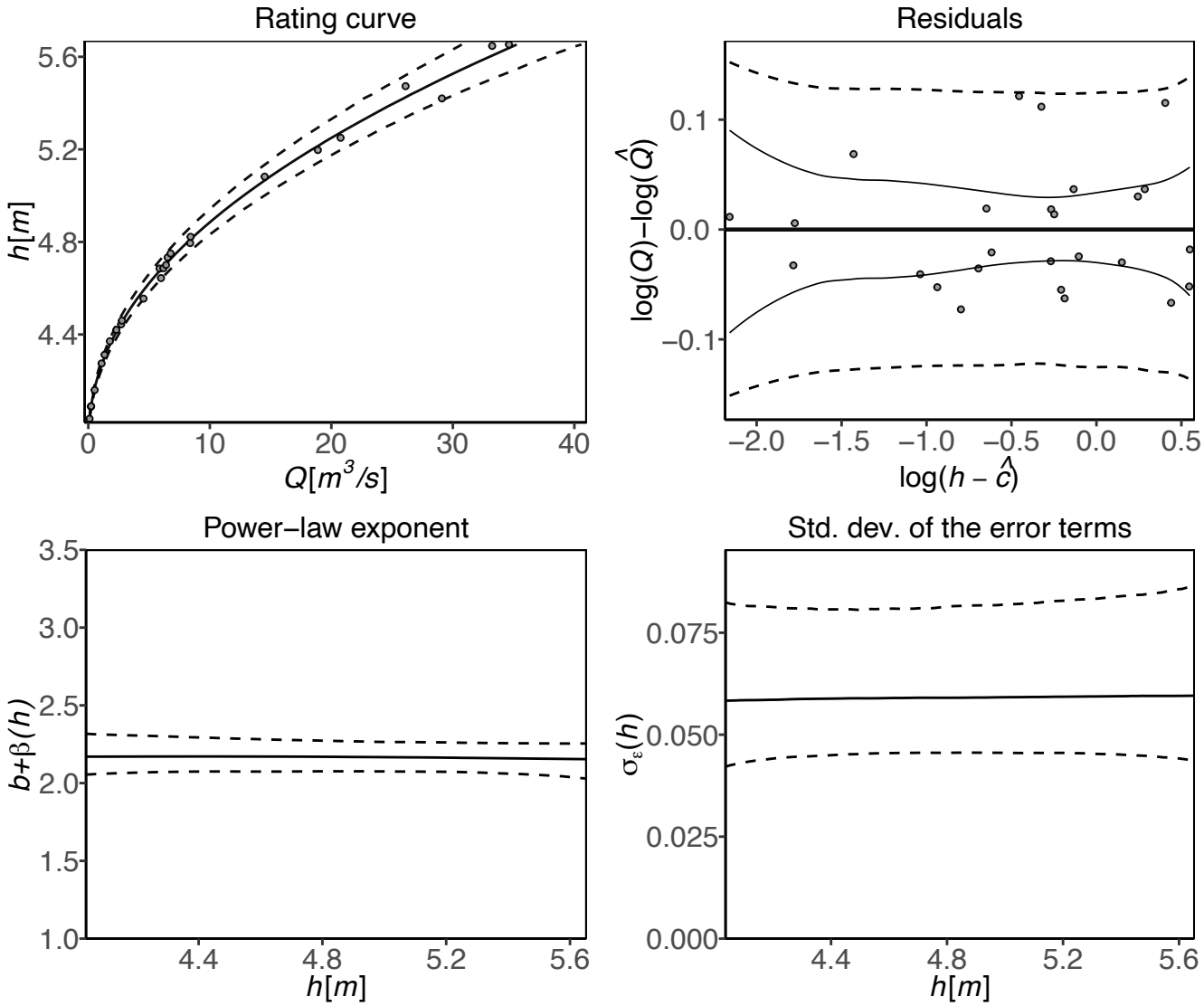
Station name:	Skogsliden
Location:	Sweden
Station number:	2404
Number of observations:	26
Start date:	1988–04–28
End date:	2019–04–06
Max. discharge (m^3/s):	34.6
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.30	0.23
GPLM0	0.27	0.24
PLM	0.11	0.26
PLM0	0.00	0.27



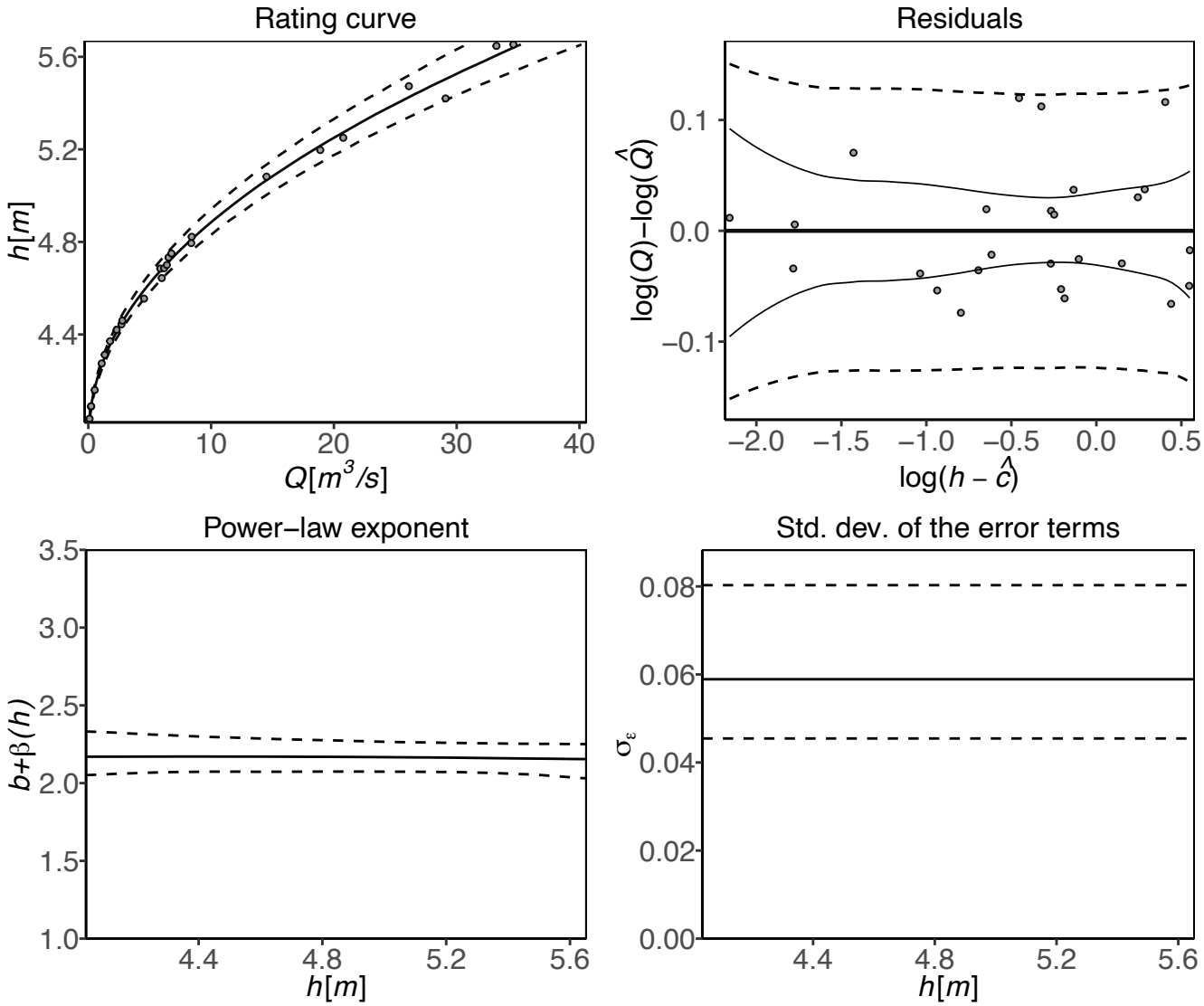


Skogsliden, Sweden – GPLM



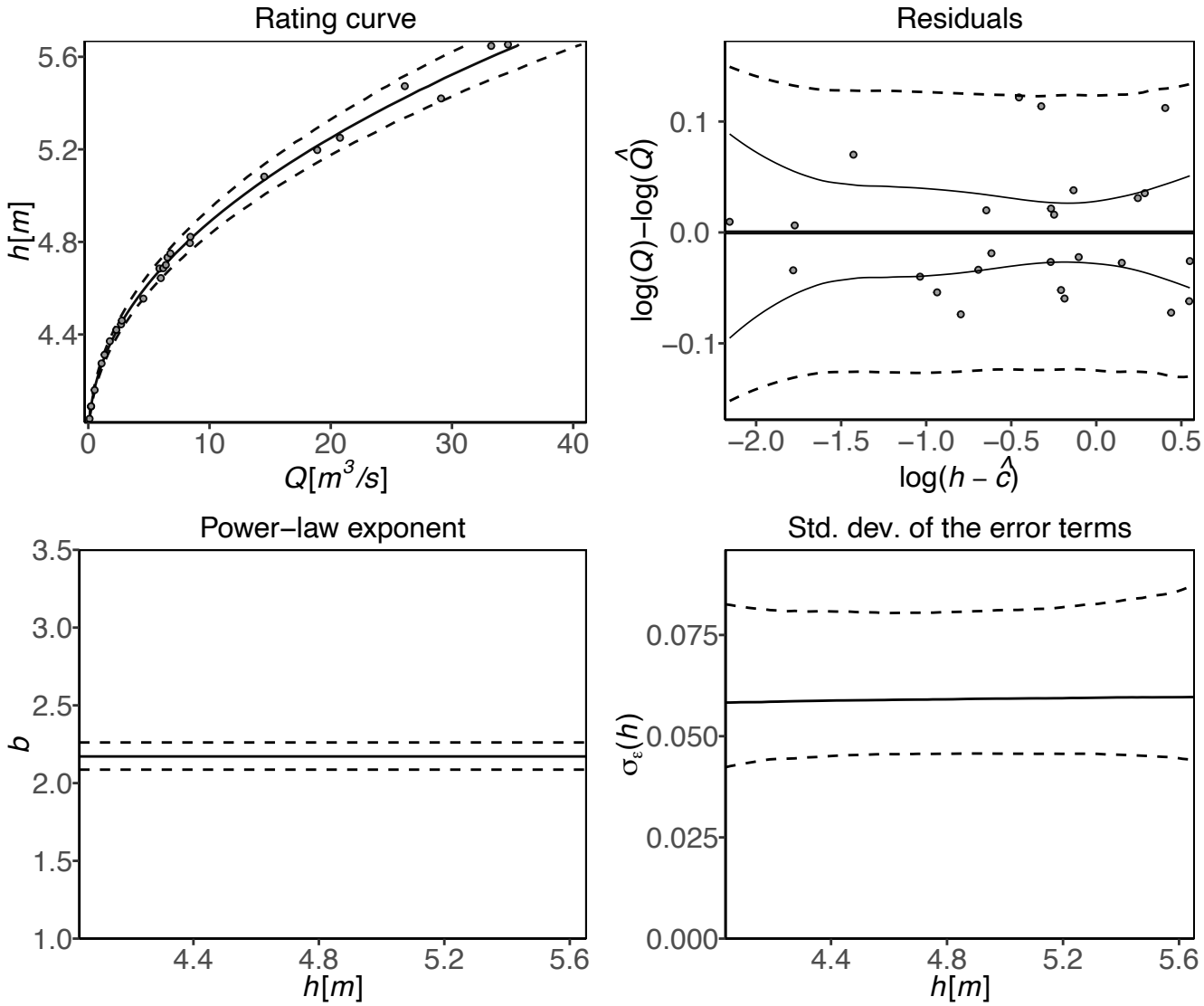
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.80	[10.28; 11.33]	2318	1.00
b	1.84	[1.83; 1.84]	10284	1.00
c	3.92	[3.90; 3.94]	1523	1.00
σ_β	0.28	[0.13; 0.72]	2402	1.00
ϕ_β	21.78	[1.26; 13363.74]	1242	1.01
σ_η	0.08	[0.00; 0.38]	1569	1.00
η_1	–5.68	[–6.33; –4.99]	1944	1.00
η_2	–5.62	[–7.51; –3.73]	2367	1.00
η_3	–5.54	[–8.18; –2.99]	2296	1.00
η_4	–5.48	[–8.63; –2.35]	2470	1.00
η_5	–5.40	[–9.13; –1.75]	2309	1.00
η_6	–5.39	[–9.65; –1.29]	2295	1.00

Skogsliden, Sweden – GPLM0



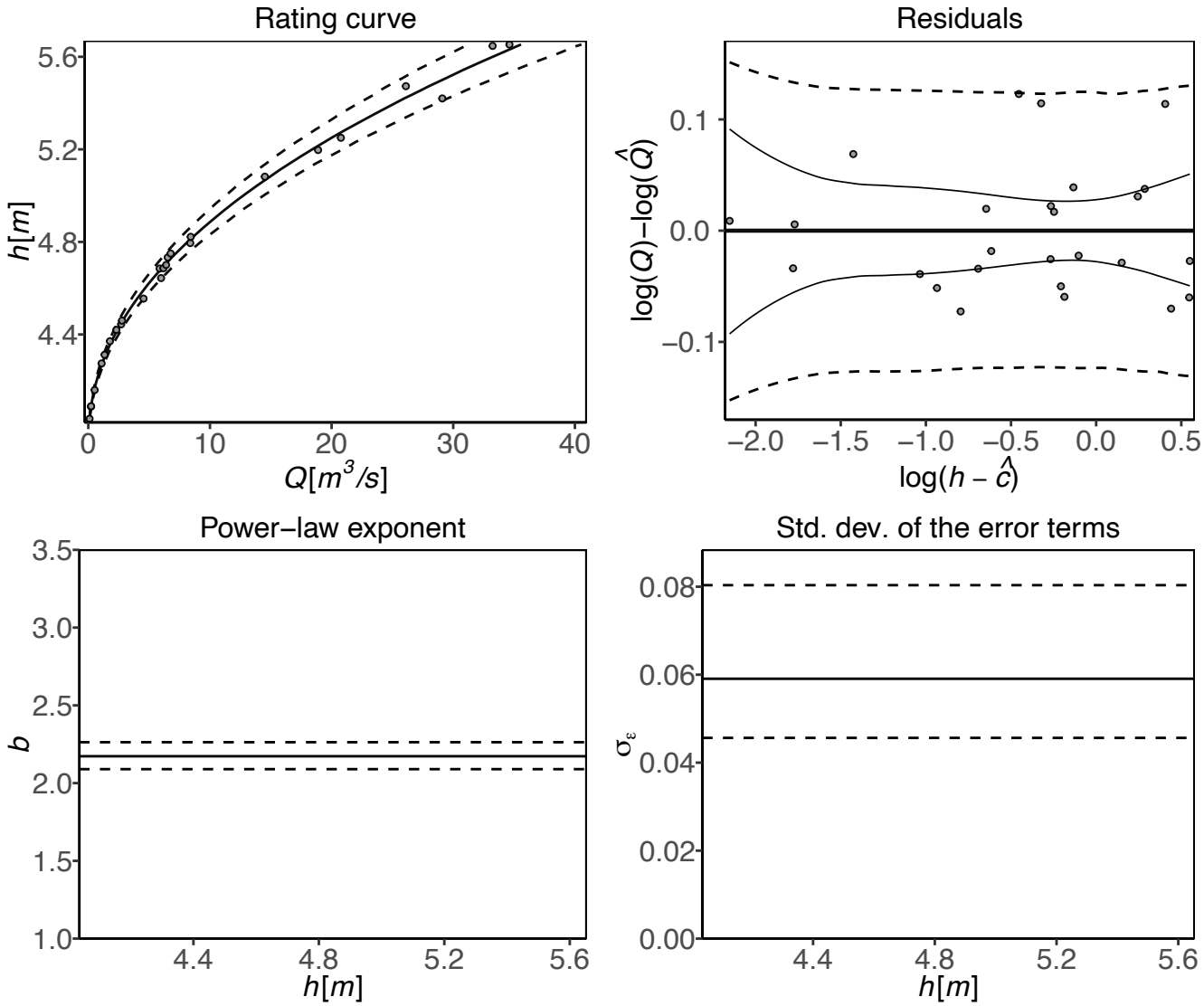
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.79	[10.24; 11.34]	3867	1.00
b	1.84	[1.83; 1.84]	13026	1.00
c	3.92	[3.90; 3.94]	2816	1.00
σ_ε	0.06	[0.05; 0.08]	4825	1.00
σ_β	0.53	[0.35; 0.85]	5657	1.00
ϕ_β	23.04	[1.24; 13686.25]	2456	1.00

Skogsliden, Sweden – PLM



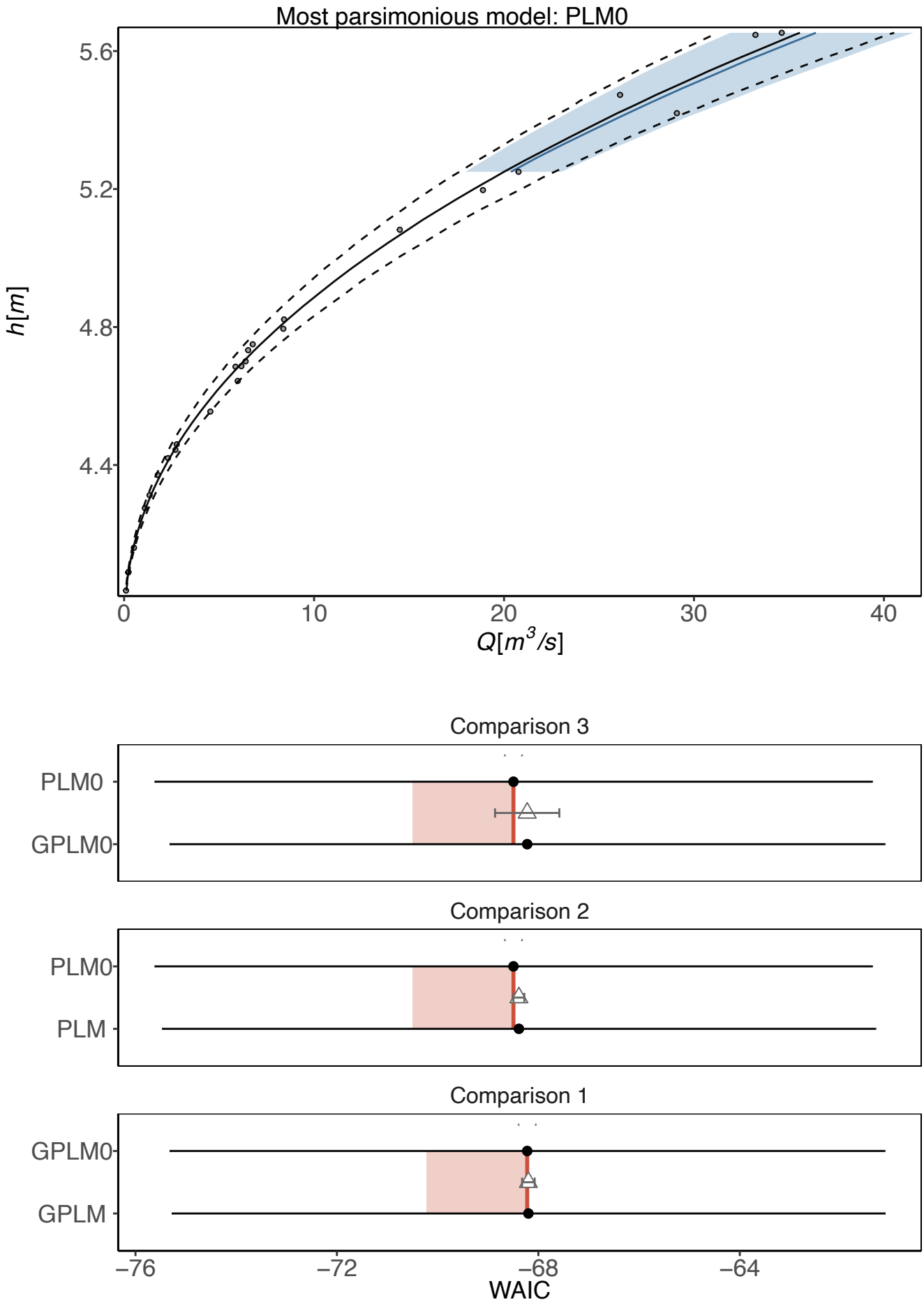
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.78	[10.30; 11.22]	3480	1.00
b	2.17	[2.09; 2.26]	2783	1.00
c	3.92	[3.90; 3.93]	2477	1.00
σ_η	0.08	[0.00; 0.39]	1749	1.00
η_1	–5.68	[–6.32; –4.99]	2254	1.00
η_2	–5.60	[–7.40; –3.77]	2726	1.00
η_3	–5.52	[–8.10; –3.02]	2657	1.00
η_4	–5.45	[–8.58; –2.33]	2705	1.00
η_5	–5.35	[–9.06; –1.75]	2897	1.00
η_6	–5.30	[–9.56; –1.25]	2829	1.00

Skogsliden, Sweden – PLM0



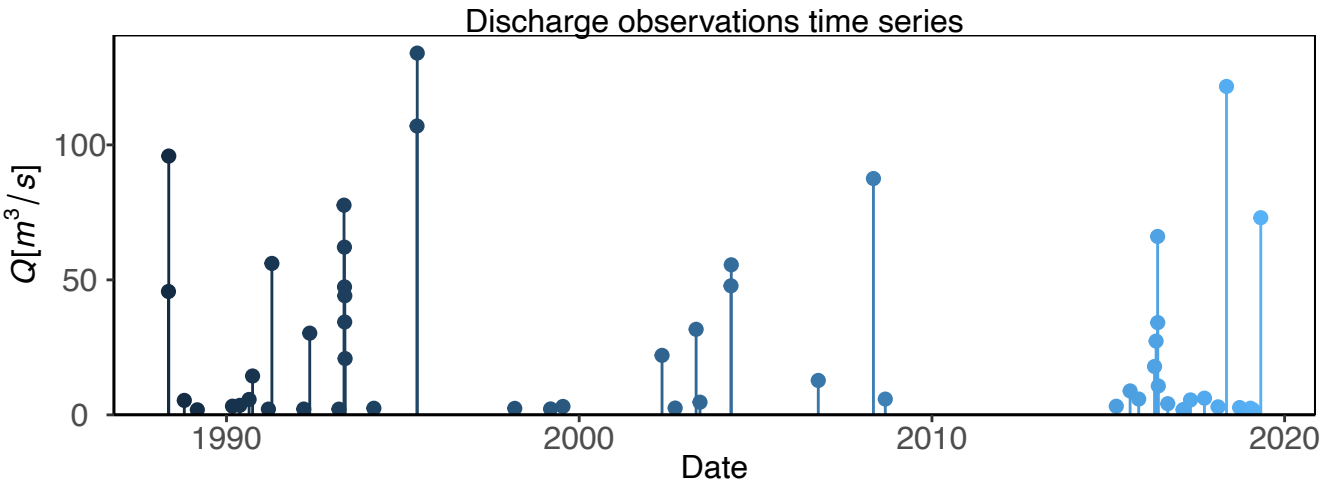
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.77	[10.29; 11.21]	10590	1.00
b	2.17	[2.09; 2.26]	9154	1.00
c	3.92	[3.90; 3.93]	8710	1.00
σ_ε	0.06	[0.05; 0.08]	8998	1.00

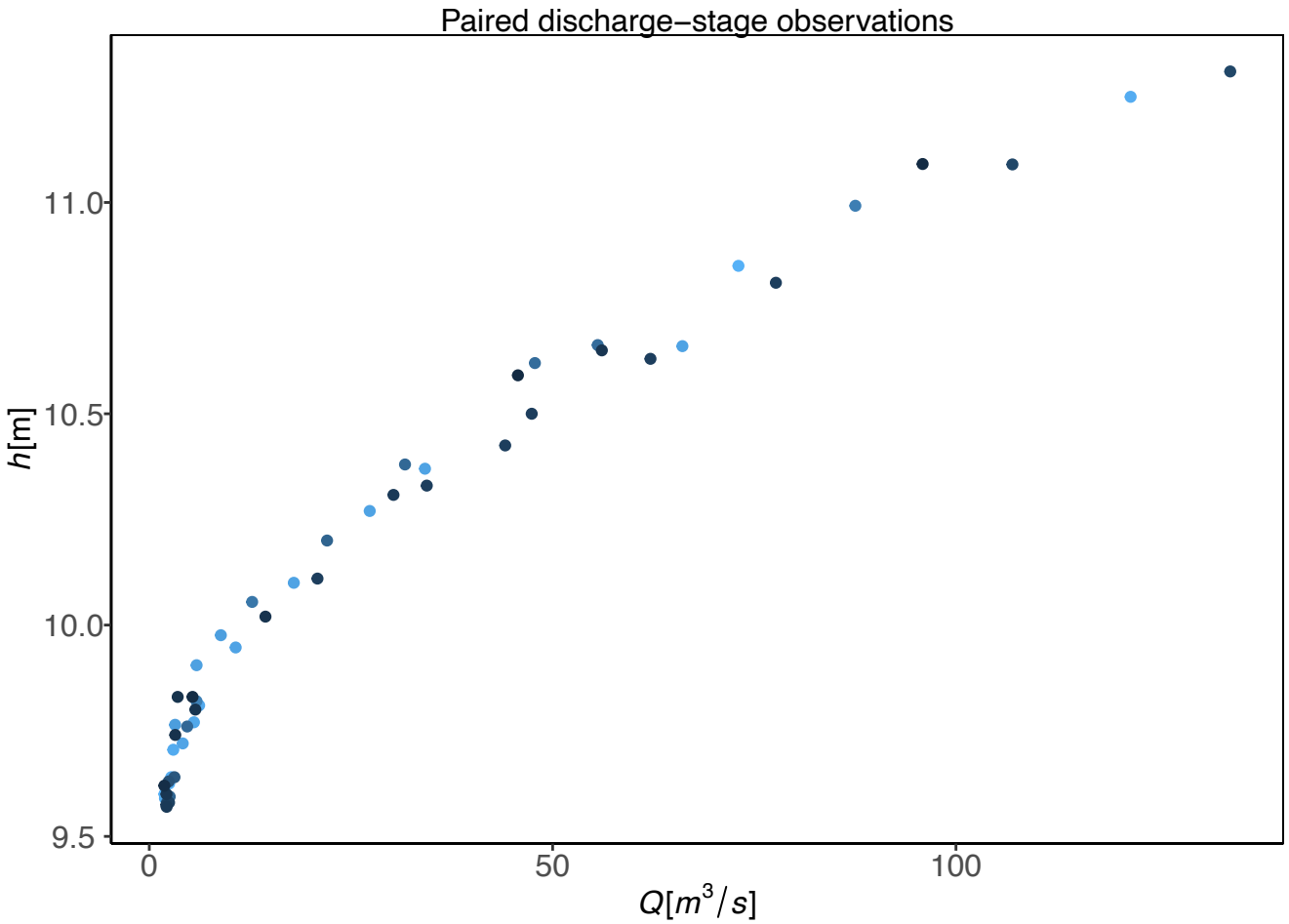
Power−law tournament results for Skogsliden, Sweden



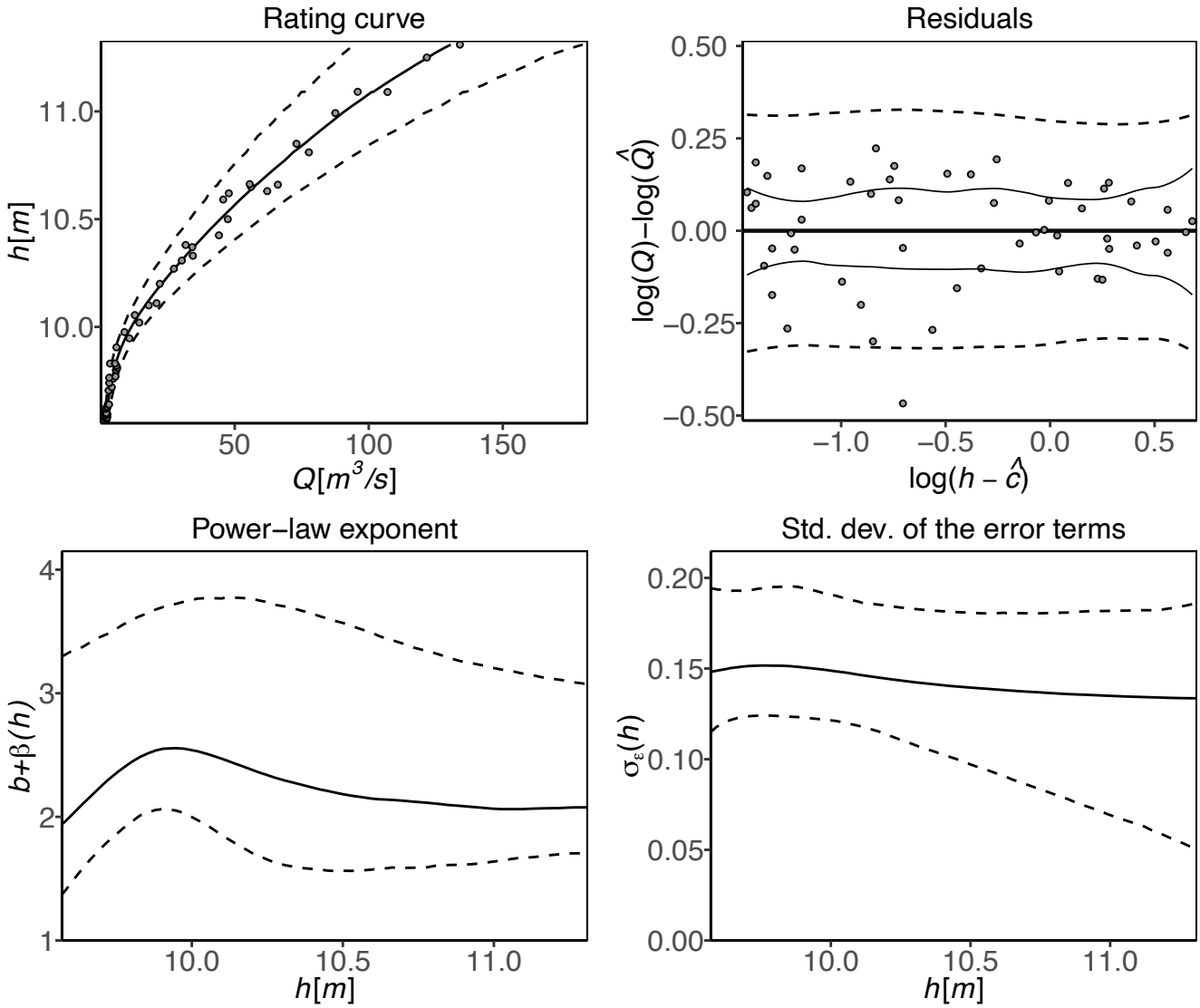
Station name:	Saras Fors
Location:	Sweden
Station number:	2405
Number of observations:	52
Start date:	1988–05–10
End date:	2019–04–29
Max. discharge (m^3/s):	134
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.86
GPLM0	3.70	0.14
PLM	15.70	0.00
PLM0	17.35	0.00



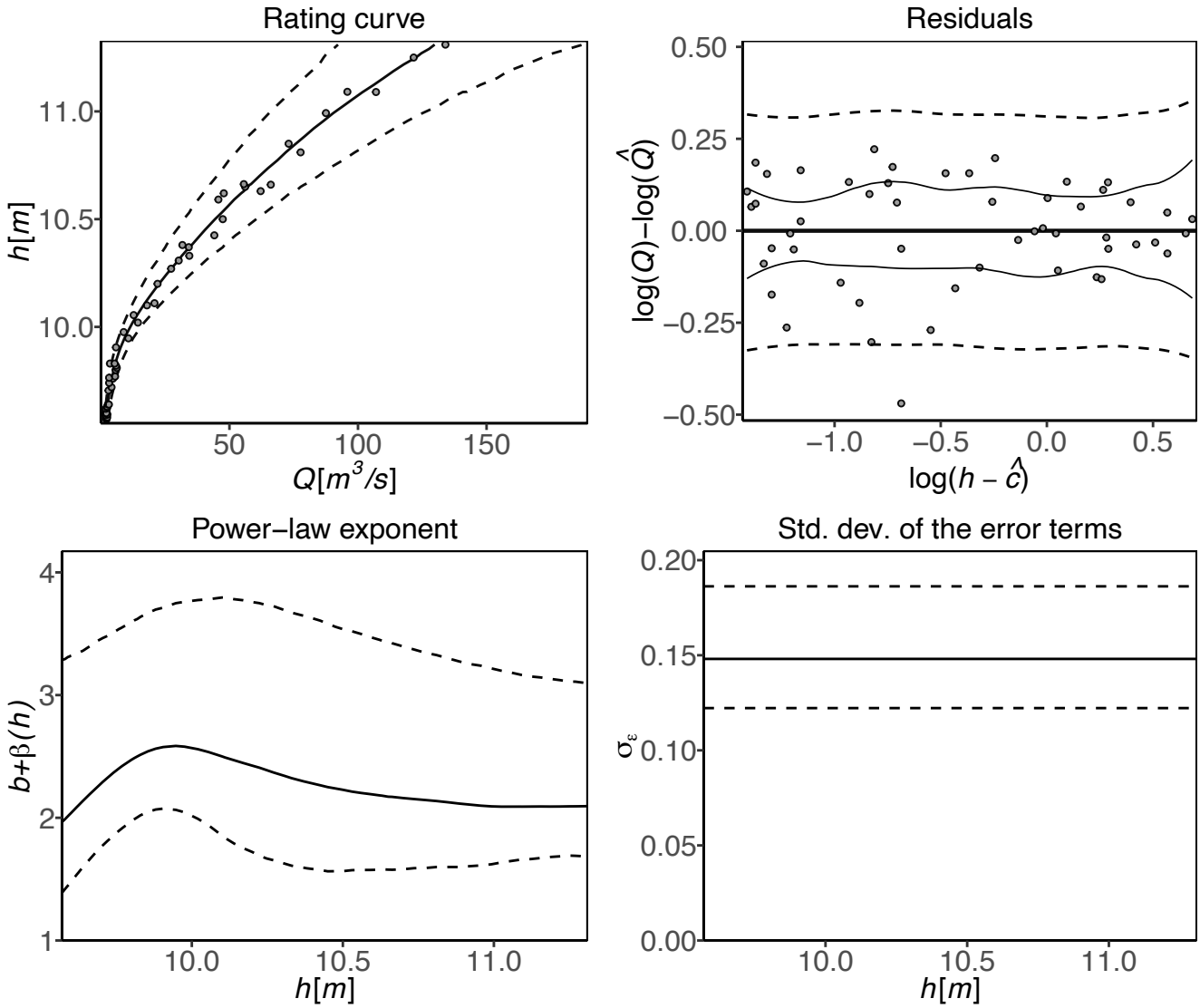


Saras Fors, Sweden – GPLM



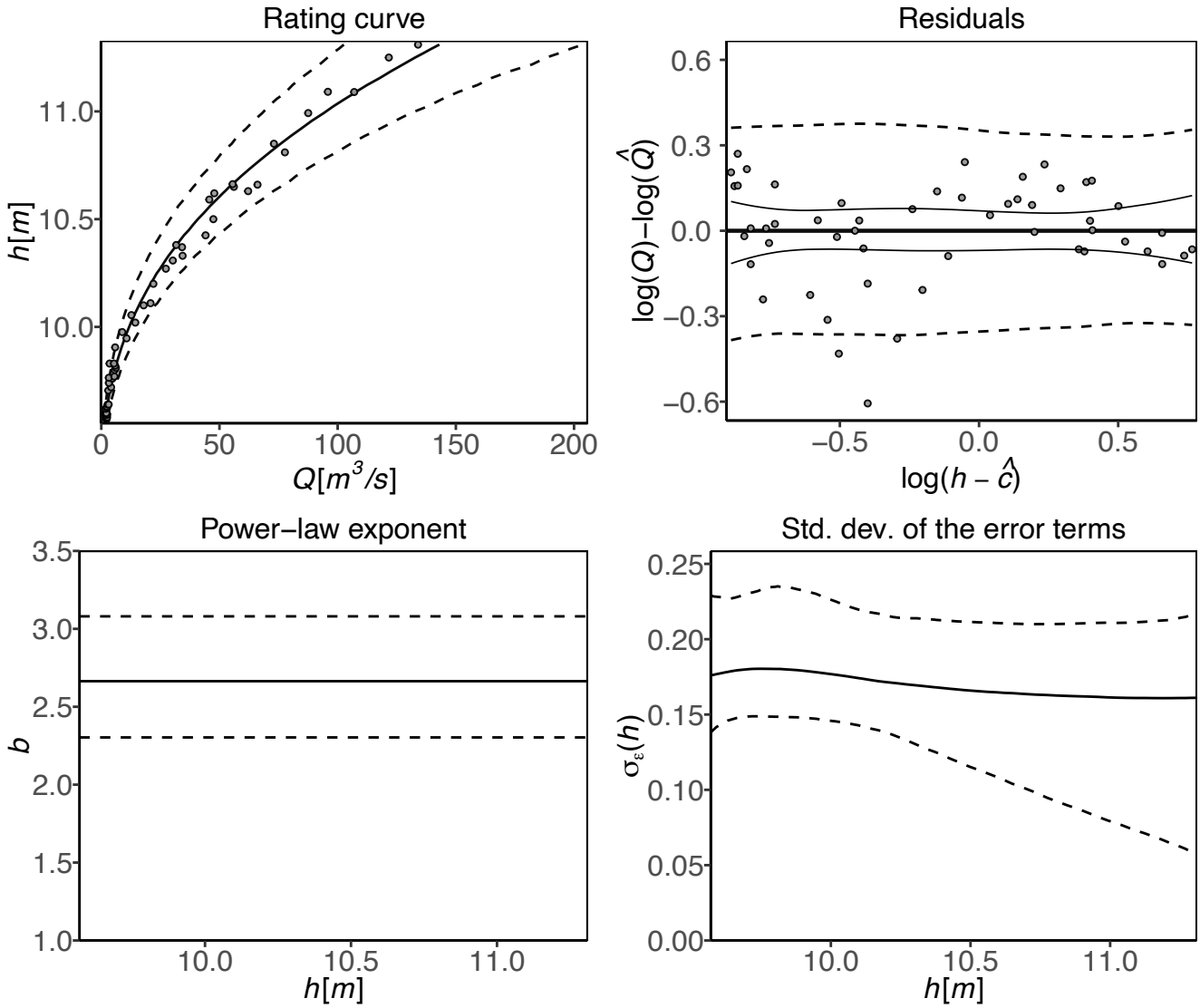
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	32.14	[9.68; 42.39]	1505	1.00
b	1.84	[1.83; 1.84]	10614	1.00
c	9.34	[8.96; 9.46]	1516	1.00
σ_β	0.46	[0.20; 1.08]	2174	1.00
ϕ_β	0.49	[0.17; 2.82]	1057	1.02
σ_η	0.14	[0.00; 0.73]	1060	1.01
η_1	–3.82	[–4.33; –3.28]	2532	1.00
η_2	–3.49	[–5.33; –1.83]	1947	1.00
η_3	–4.01	[–6.37; –1.53]	1672	1.00
η_4	–4.67	[–7.46; –1.32]	1868	1.00
η_5	–4.99	[–8.31; –1.00]	2223	1.00
η_6	–5.15	[–9.13; –0.66]	2340	1.00

Saras Fors, Sweden – GPLM0



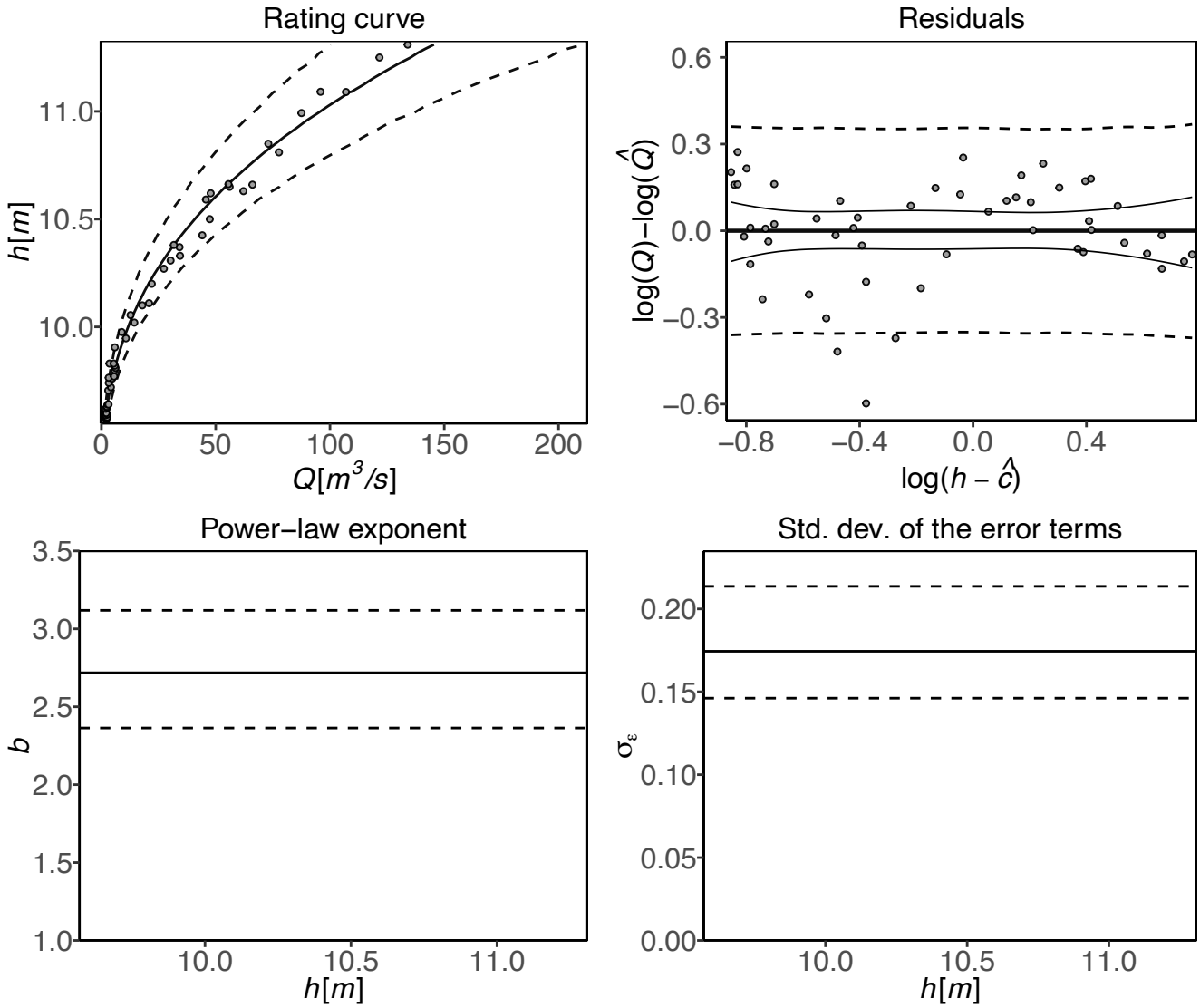
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	31.59	[9.51; 42.32]	2367	1.03
b	1.84	[1.83; 1.84]	12067	1.00
c	9.33	[8.96; 9.46]	2366	1.03
σ_ε	0.15	[0.12; 0.19]	2590	1.04
σ_β	0.68	[0.46; 1.04]	4946	1.00
ϕ_β	0.51	[0.19; 4961.39]	750	1.32

Saras Fors, Sweden – PLM



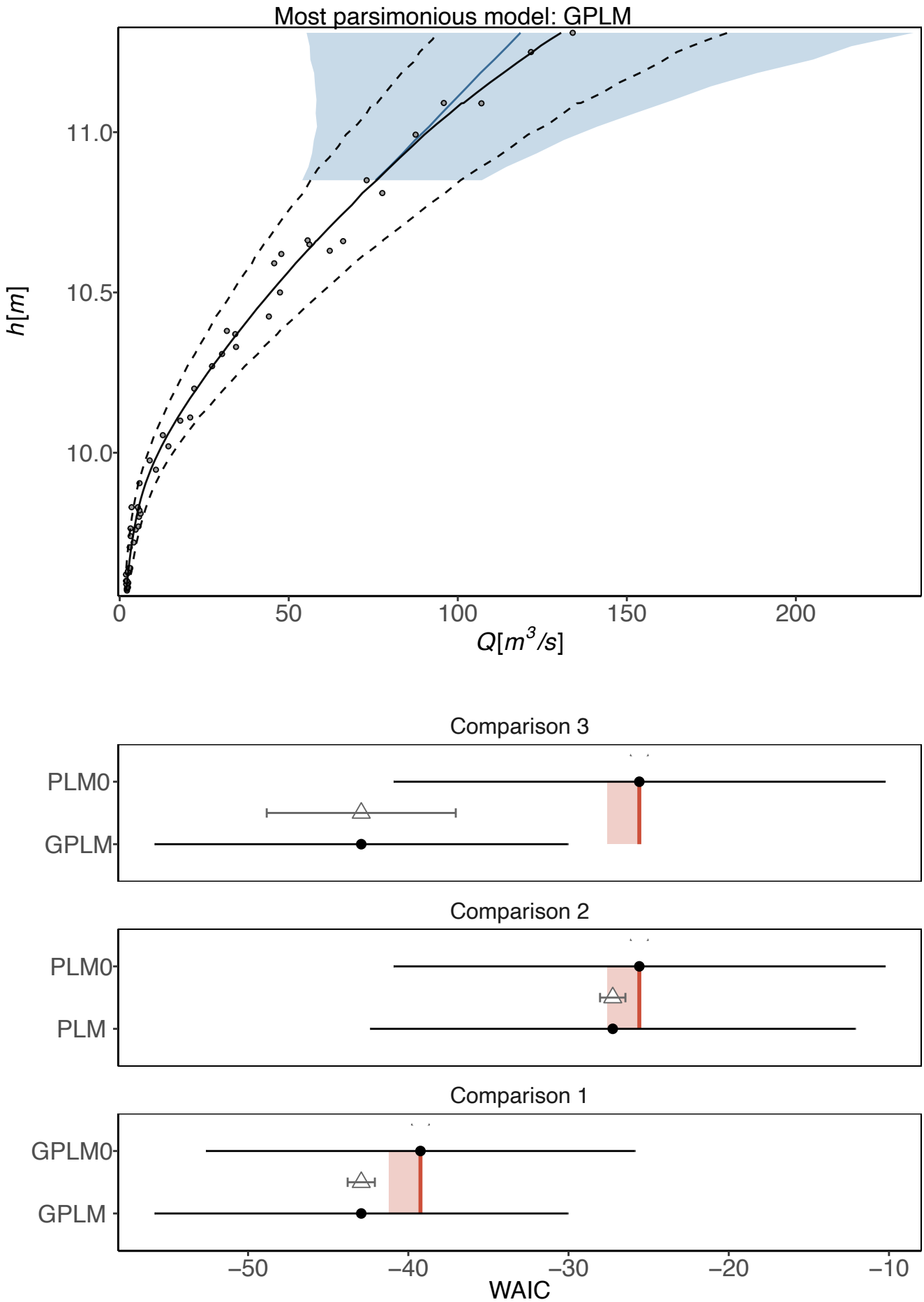
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	18.76	[12.34; 25.68]	3021	1.00
b	2.66	[2.30; 3.08]	3134	1.00
c	9.16	[9.03; 9.27]	2948	1.00
σ_η	0.13	[0.00; 0.77]	954	1.01
η_1	–3.48	[–3.96; –2.95]	3526	1.00
η_2	–3.14	[–5.07; –1.46]	1645	1.00
η_3	–3.68	[–6.03; –1.10]	1705	1.00
η_4	–4.30	[–6.98; –0.83]	1754	1.00
η_5	–4.59	[–7.87; –0.63]	2396	1.00
η_6	–4.66	[–8.51; –0.30]	2599	1.00

Saras Fors, Sweden – PLM0



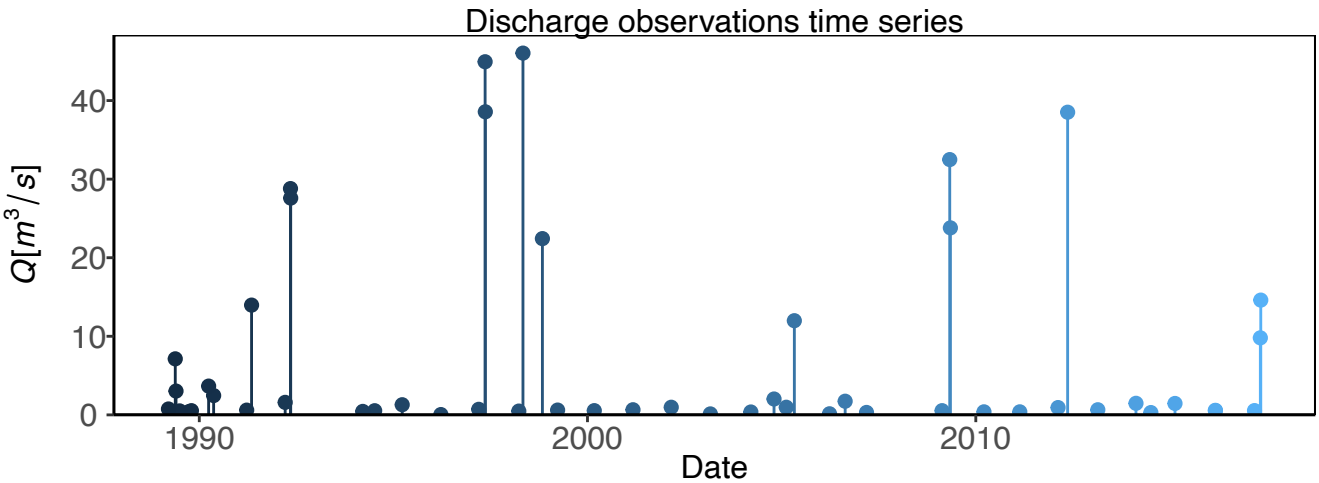
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	17.83	[11.87; 24.23]	9512	1.00
b	2.72	[2.36; 3.12]	9515	1.00
c	9.14	[9.02; 9.25]	9435	1.00
σ_ε	0.17	[0.15; 0.21]	9179	1.00

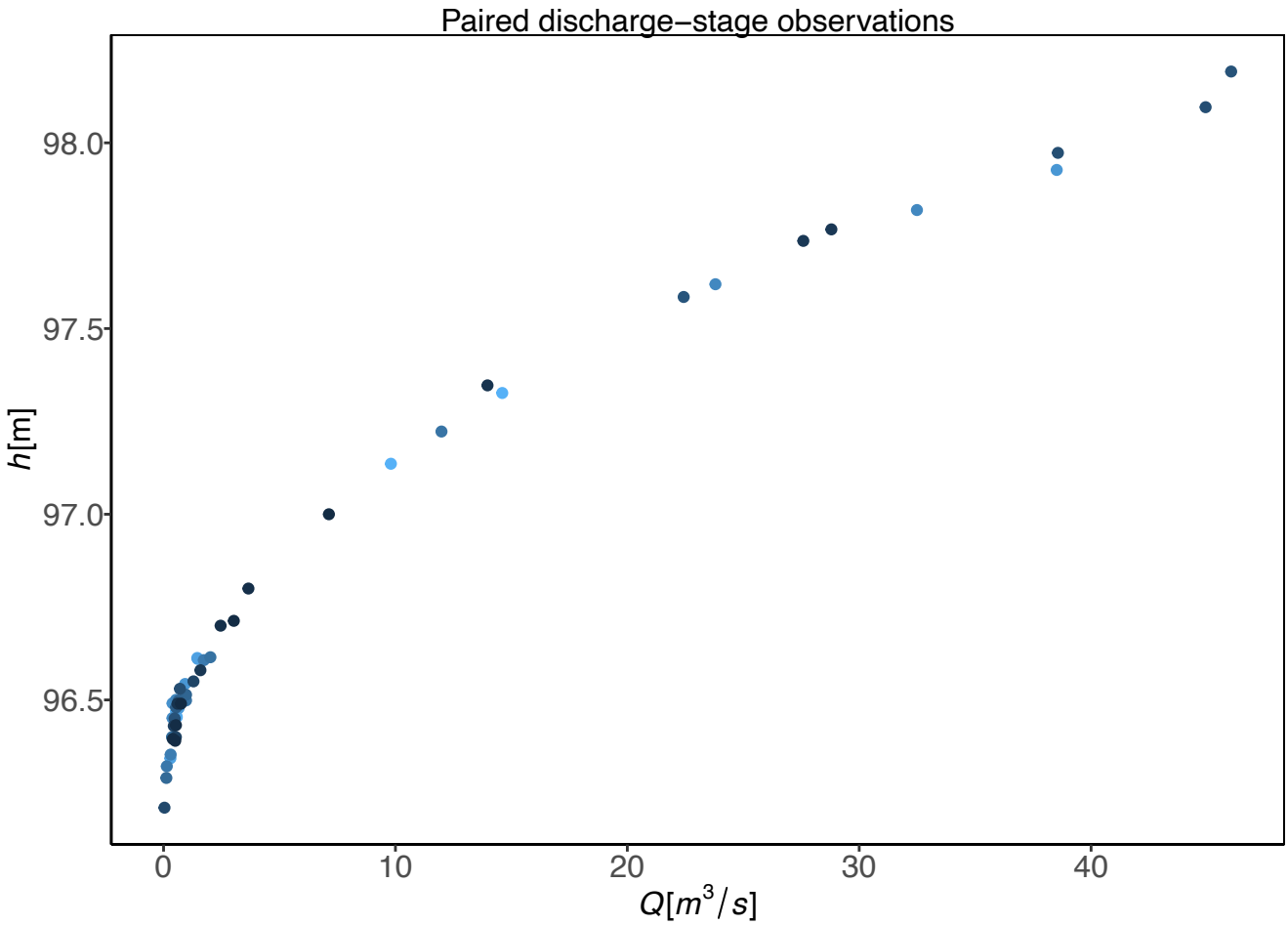
Power−law tournament results for Saras Fors, Sweden



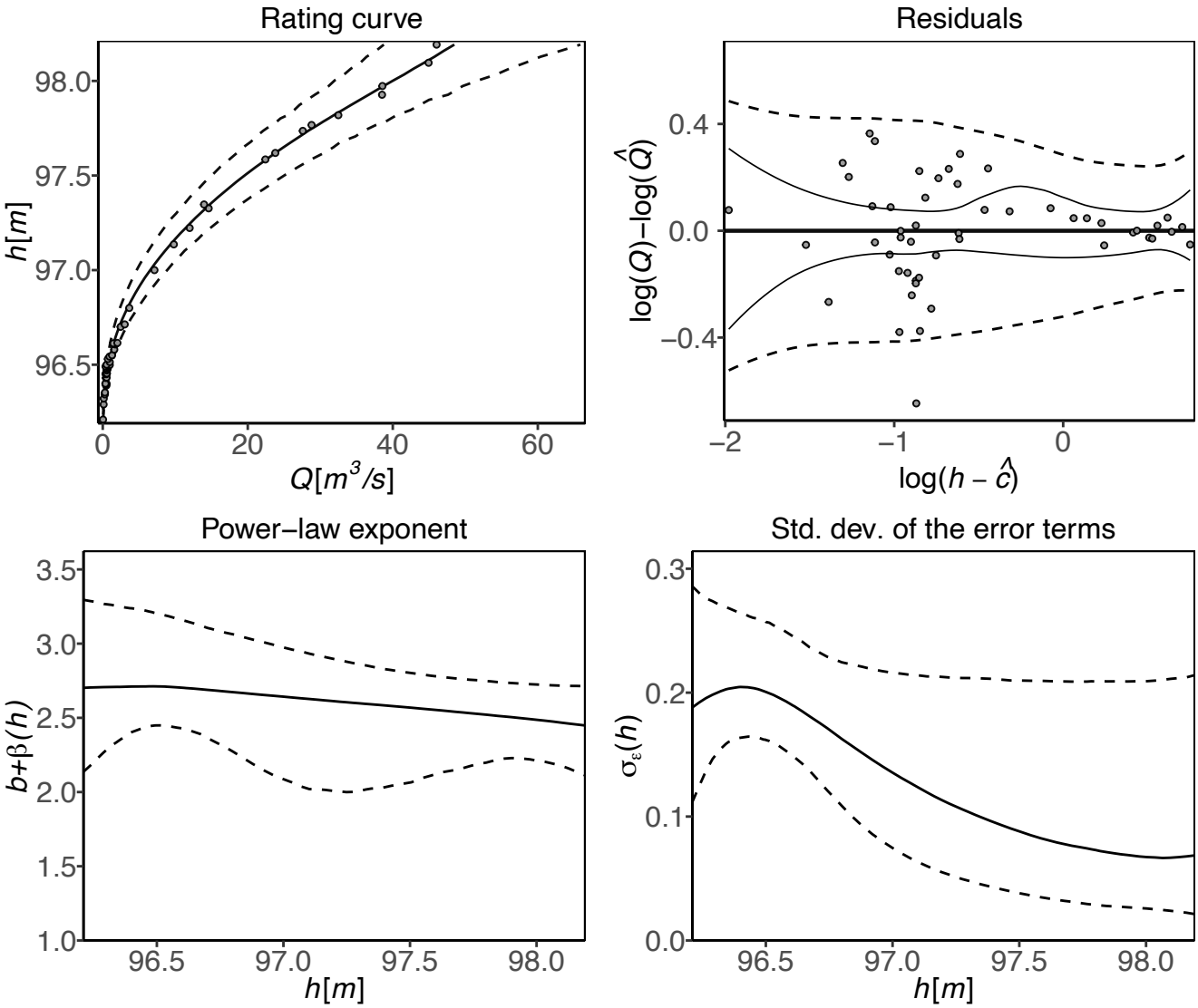
Station name:	Dalkarlså
Location:	Sweden
Station number:	2409
Number of observations:	51
Start date:	1989–03–17
End date:	2017–05–05
Max. discharge (m^3/s):	46
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.99
GPLM0	16.06	0.00
PLM	10.24	0.01
PLM0	17.22	0.00



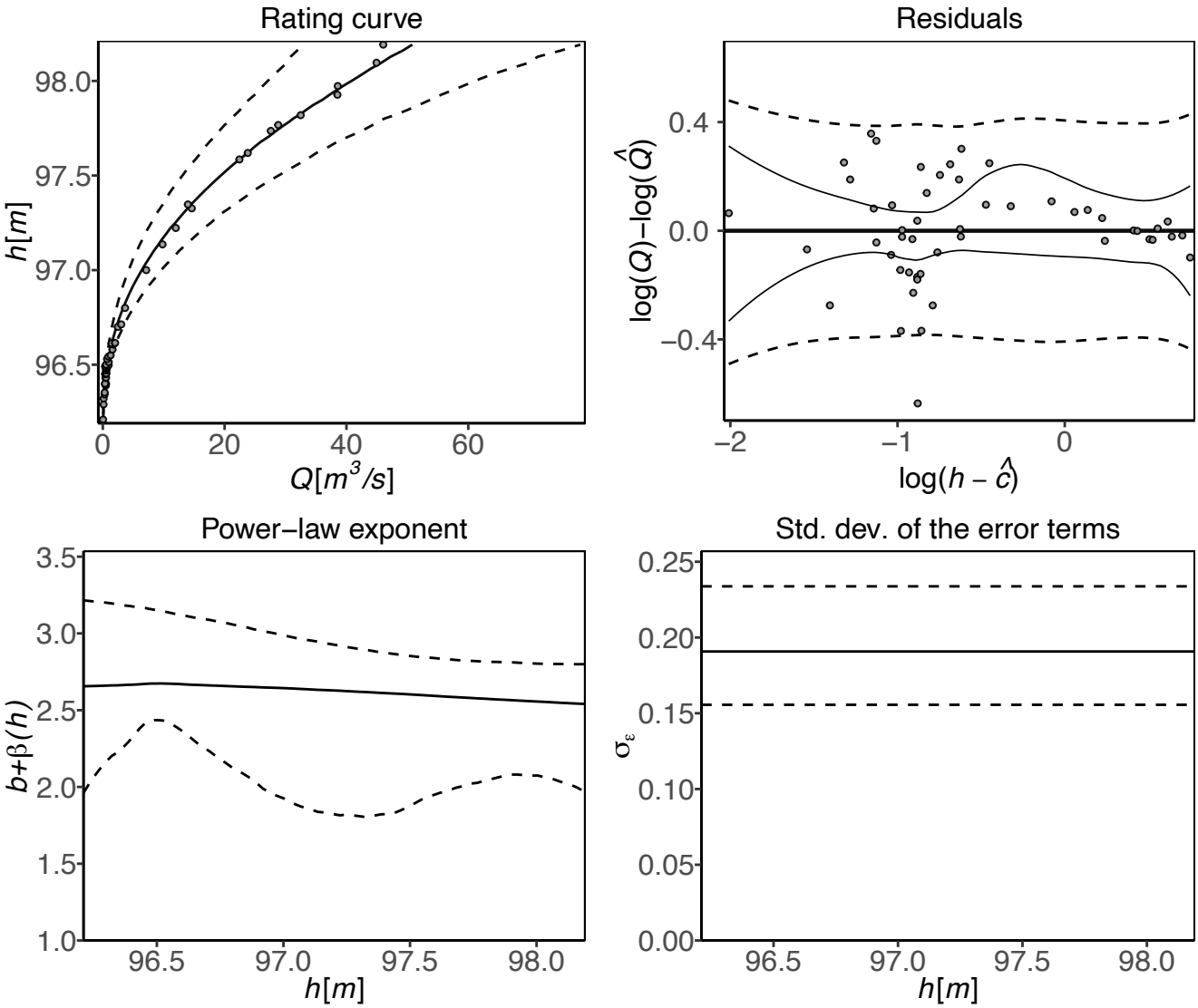


Dalkarlså, Sweden – GPLM



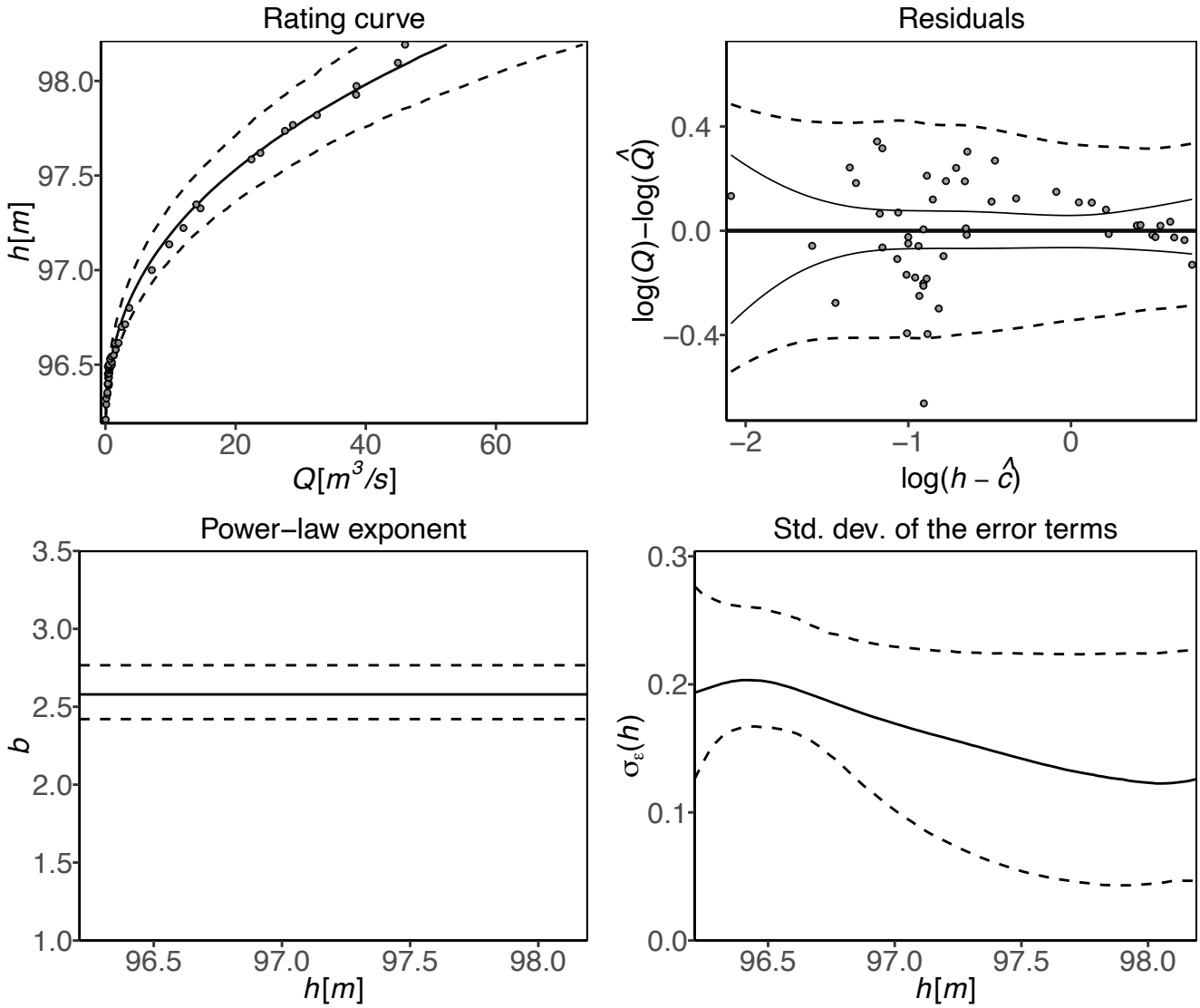
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.80	[6.36; 9.95]	1356	1.00
b	1.84	[1.83; 1.84]	10200	1.00
c	96.07	[95.99; 96.14]	1142	1.01
σ_β	0.53	[0.27; 1.08]	2272	1.00
ϕ_β	4.08	[0.39; 565.34]	807	1.04
σ_η	0.64	[0.02; 1.30]	766	1.07
η_1	–3.34	[–4.38; –2.51]	2260	1.00
η_2	–2.70	[–4.10; –1.63]	1289	1.00
η_3	–4.16	[–5.87; –1.87]	1304	1.02
η_4	–5.77	[–7.84; –1.95]	1373	1.02
η_5	–6.39	[–8.87; –1.86]	1935	1.01
η_6	–6.37	[–9.42; –1.78]	2091	1.00

Dalkarlså, Sweden – GPLM0



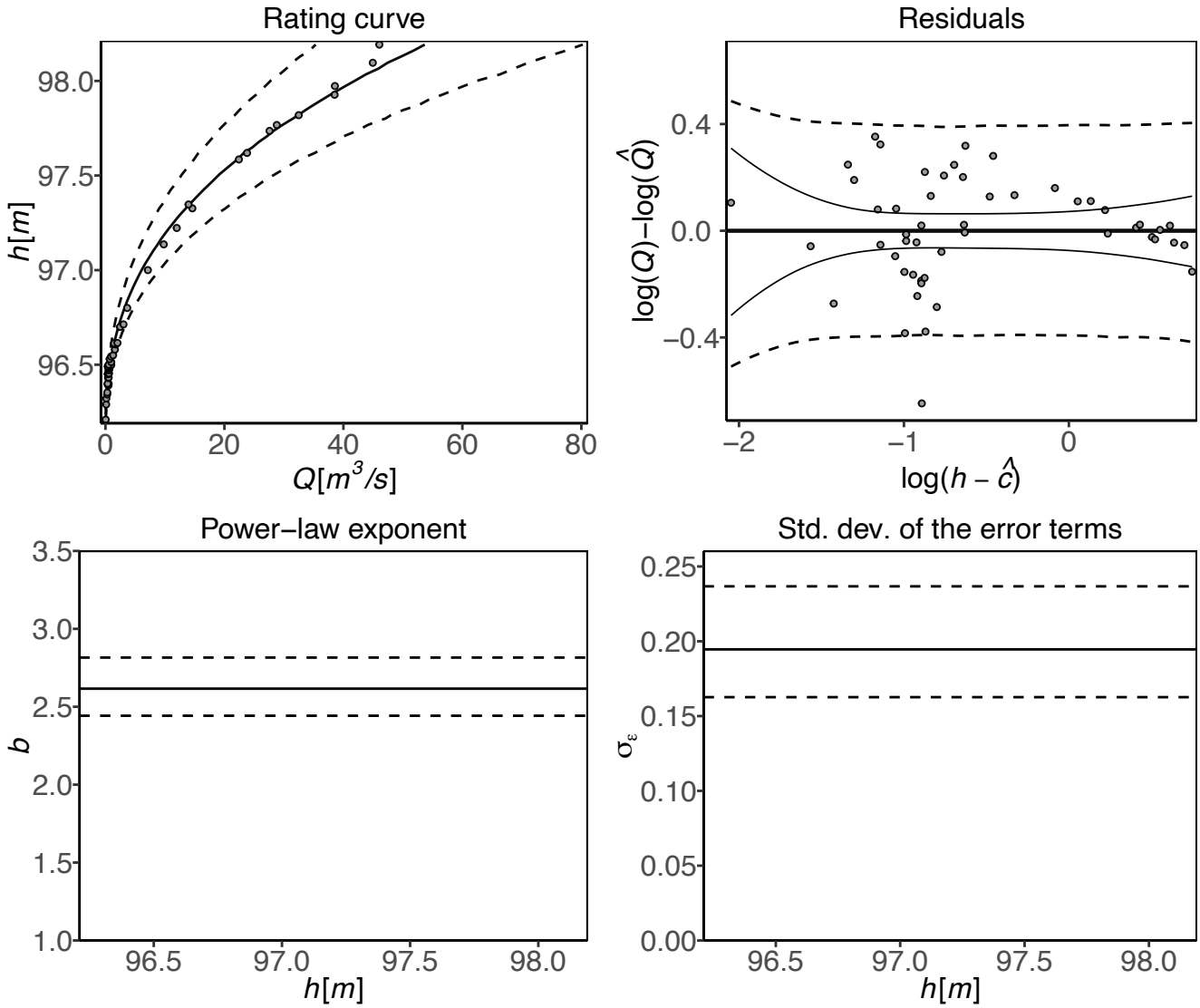
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.69	[6.35; 10.57]	1674	1.00
b	1.84	[1.83; 1.84]	11328	1.00
c	96.08	[96.00; 96.15]	1338	1.00
σ_ε	0.19	[0.16; 0.23]	3281	1.00
σ_β	0.72	[0.52; 1.04]	4516	1.00
ϕ_β	7.33	[0.23; 9827.42]	1064	1.00

Dalkarlså, Sweden – PLM



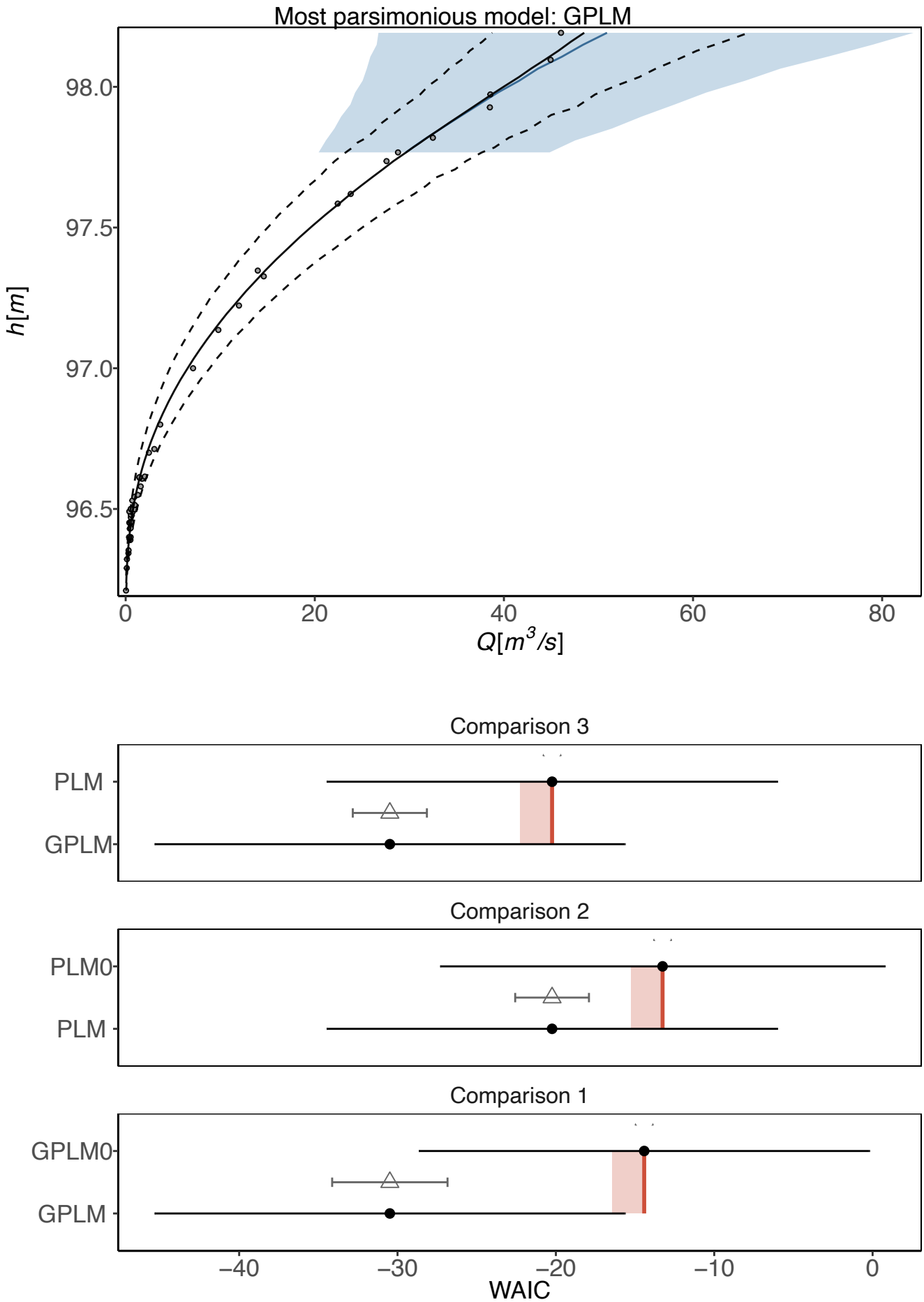
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.73	[6.72; 8.73]	2560	1.01
b	2.58	[2.42; 2.77]	2168	1.01
c	96.09	[96.05; 96.12]	2108	1.01
σ_η	0.38	[0.02; 1.11]	814	1.08
η_1	–3.29	[–4.14; –2.57]	2751	1.00
η_2	–2.80	[–4.59; –1.54]	1194	1.01
η_3	–3.78	[–5.97; –1.42]	1384	1.03
η_4	–5.04	[–7.59; –1.43]	1350	1.03
η_5	–5.62	[–8.66; –1.46]	1892	1.01
η_6	–5.45	[–8.95; –1.19]	2495	1.00

Dalkarlså, Sweden – PLM0



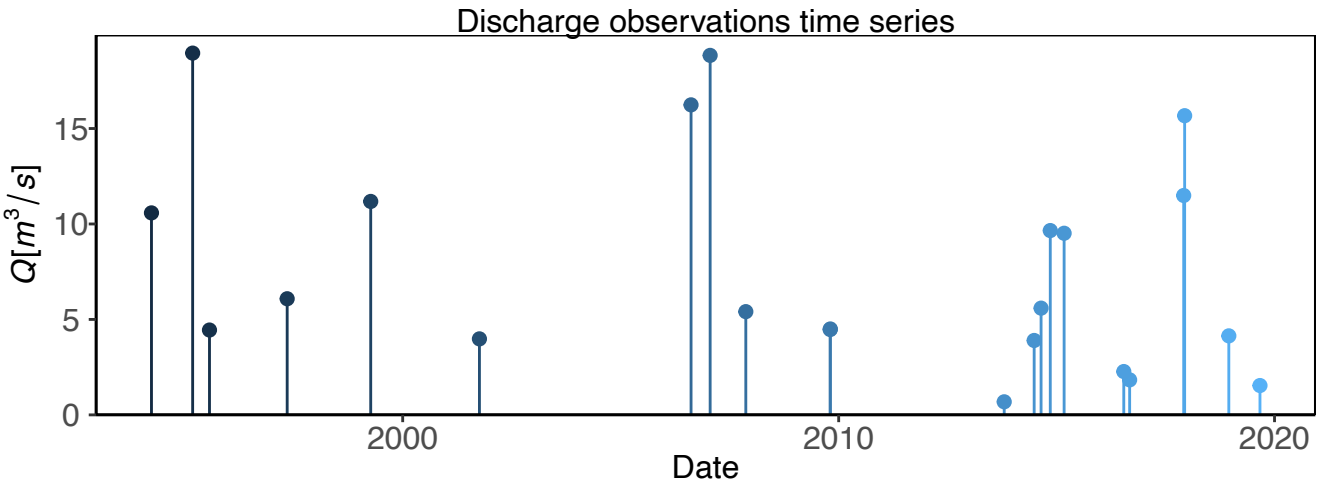
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.59	[6.54; 8.56]	9638	1.00
b	2.62	[2.44; 2.82]	9681	1.00
c	96.08	[96.04; 96.11]	8865	1.00
σ_ε	0.19	[0.16; 0.24]	9400	1.00

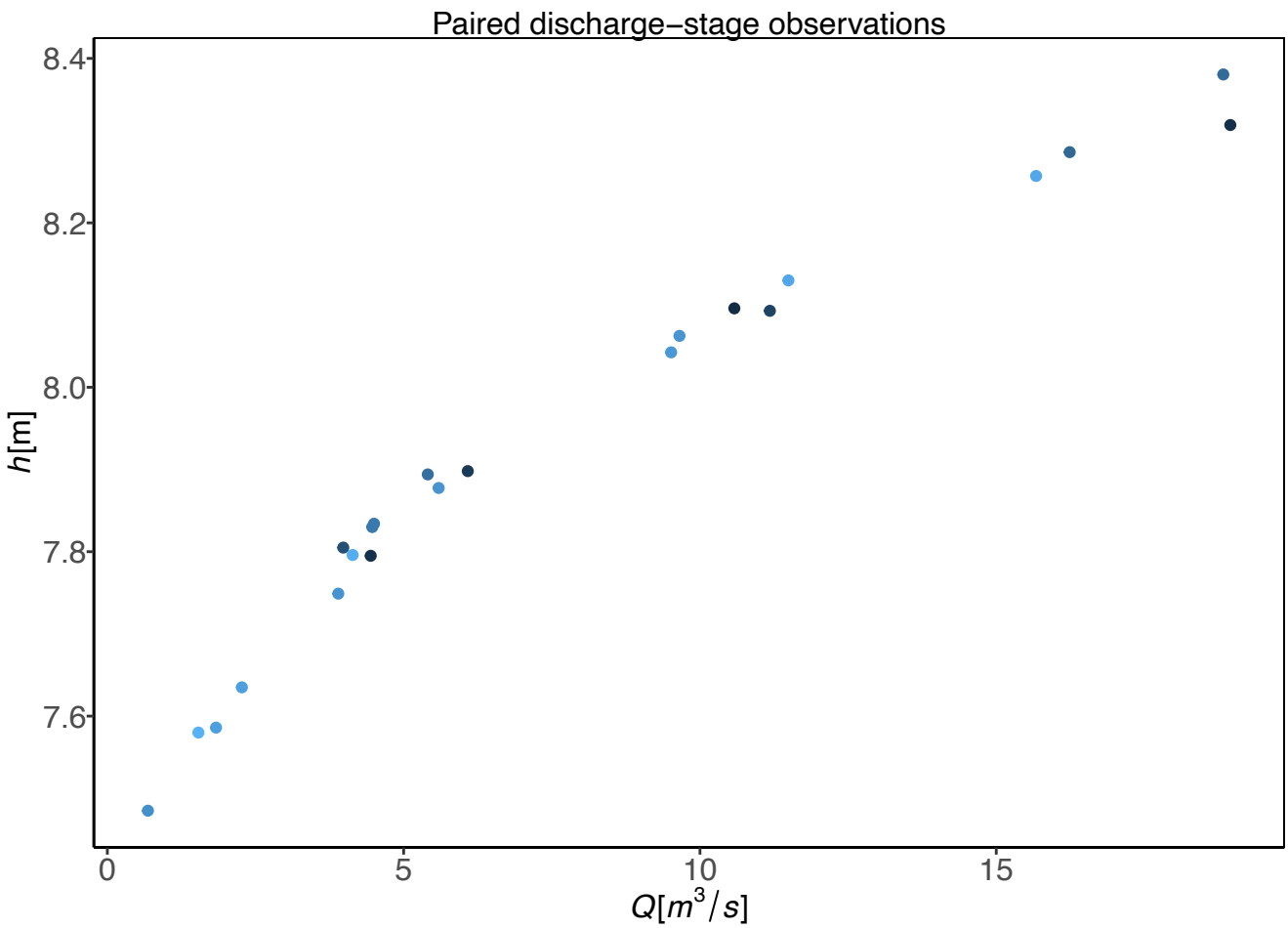
Power−law tournament results for Dalkarlså, Sweden



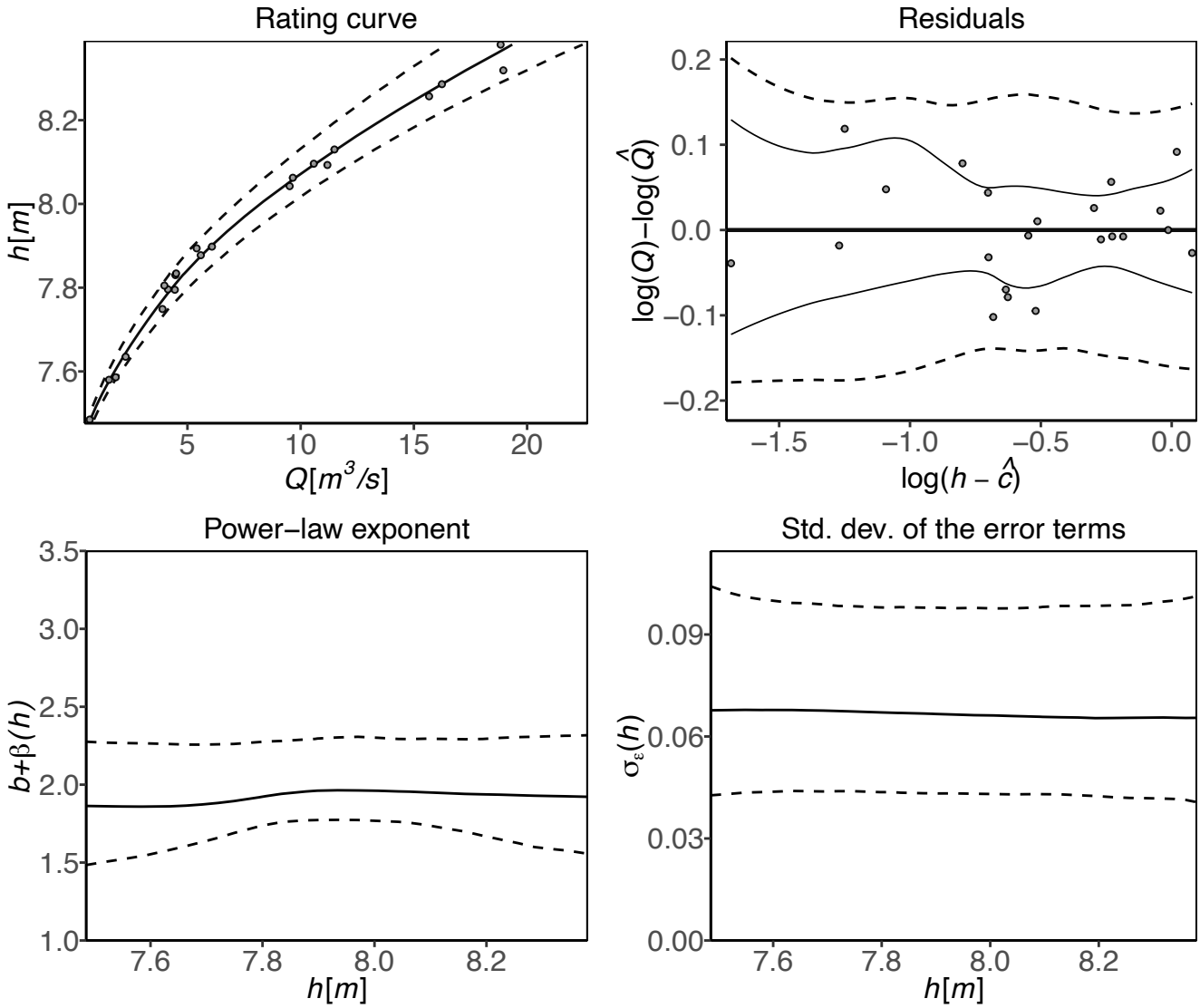
Station name:	Galgbacken
Location:	Sweden
Station number:	2443
Number of observations:	22
Start date:	1994–03–28
End date:	2019–09–01
Max. discharge (m^3/s):	19
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.49	0.40
GPLM0	0.00	0.51
PLM	4.60	0.05
PLM0	5.09	0.04



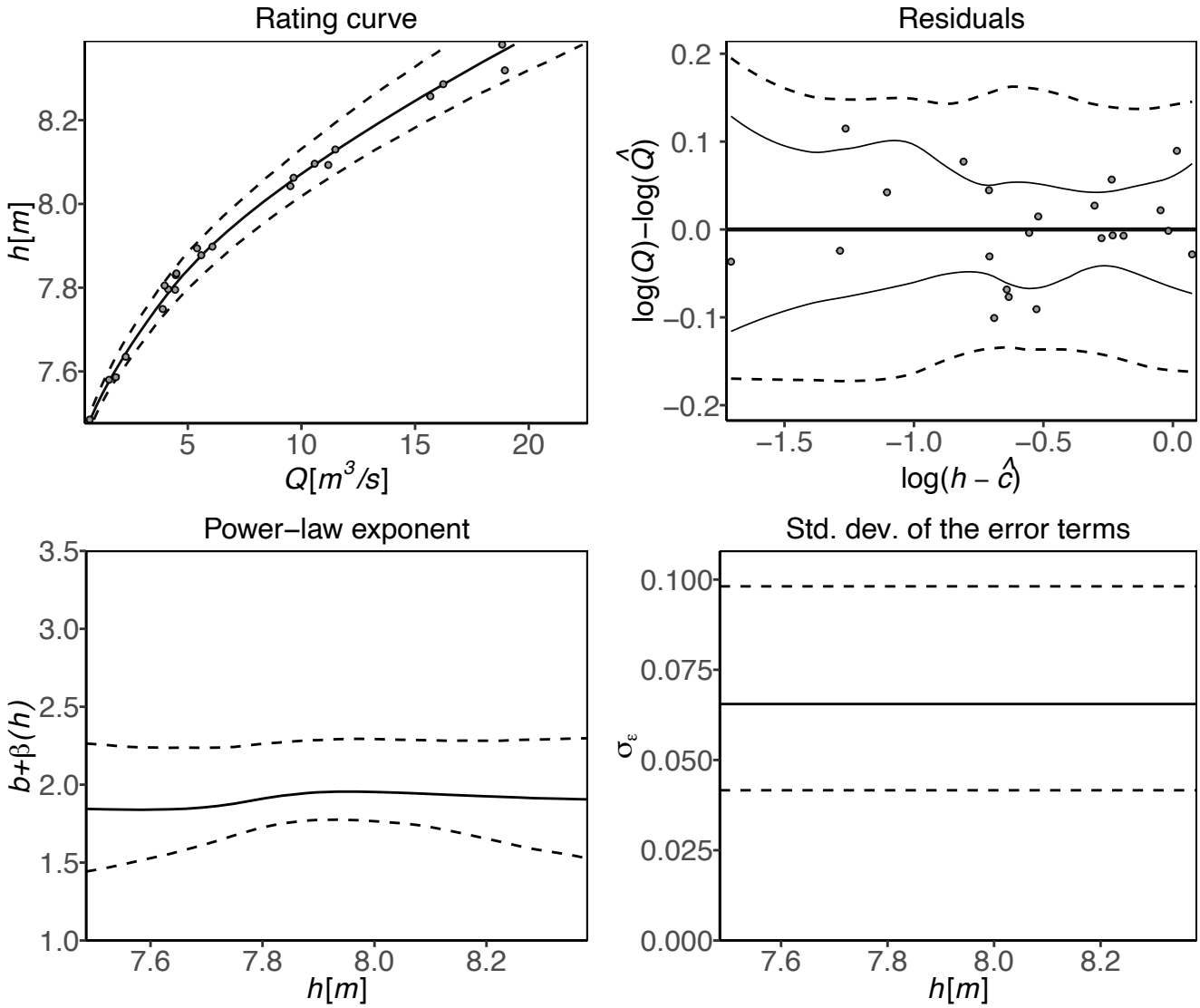


Galgbacken, Sweden – GPLM



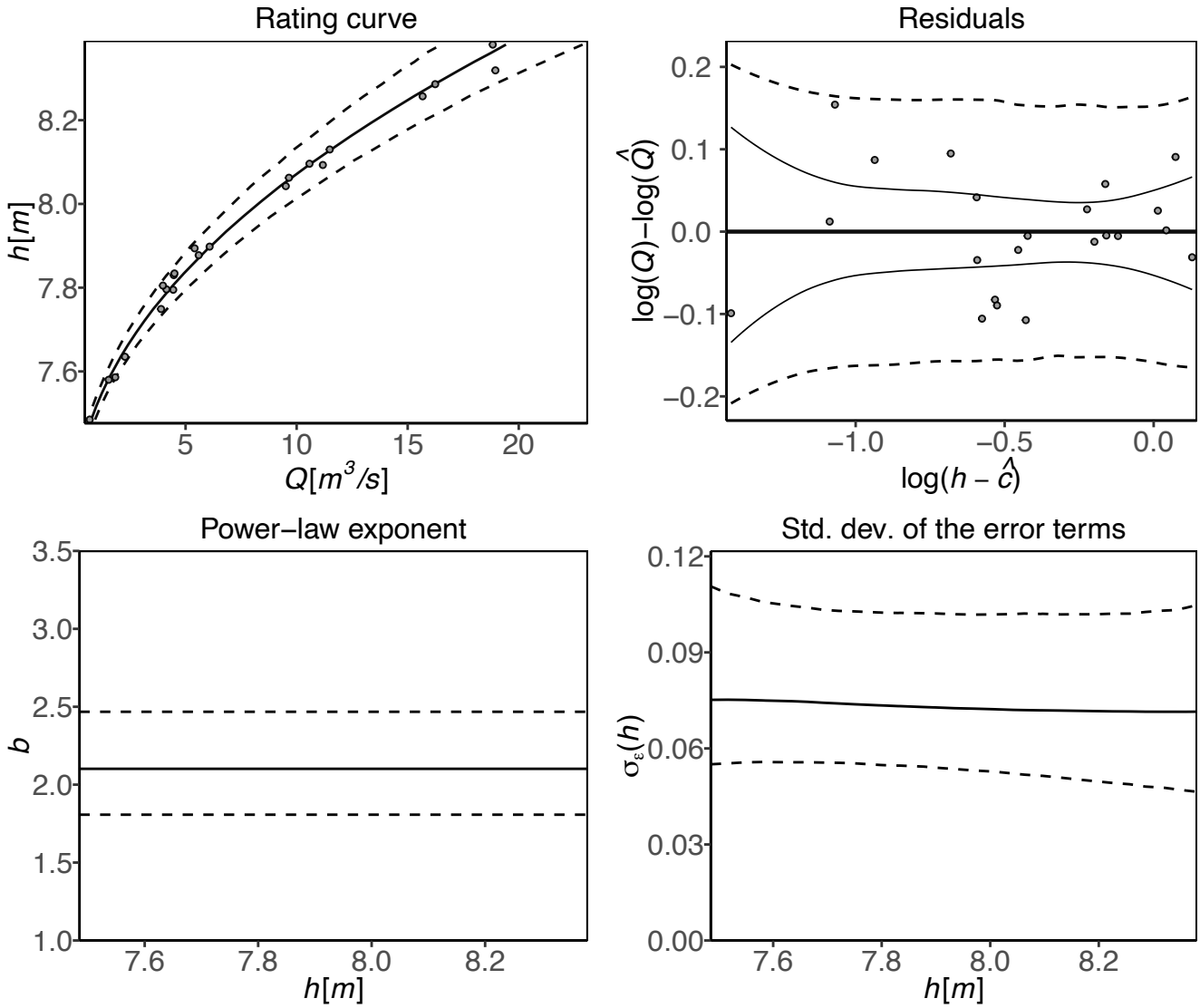
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.38	[13.58; 20.10]	1039	1.01
b	1.84	[1.83; 1.84]	5815	1.00
c	7.30	[7.20; 7.38]	940	1.02
σ_β	0.19	[0.02; 0.64]	1468	1.01
ϕ_β	1.80	[0.17; 5112.03]	1030	1.01
σ_η	0.08	[0.00; 0.42]	1325	1.01
η_1	–5.39	[–6.31; –4.52]	1078	1.01
η_2	–5.37	[–7.42; –3.43]	1677	1.00
η_3	–5.55	[–8.16; –2.88]	1753	1.00
η_4	–5.69	[–8.91; –2.44]	1812	1.00
η_5	–5.73	[–9.34; –1.85]	1696	1.00
η_6	–5.71	[–10.11; –1.48]	1696	1.00

Galgbacken, Sweden – GPLM0



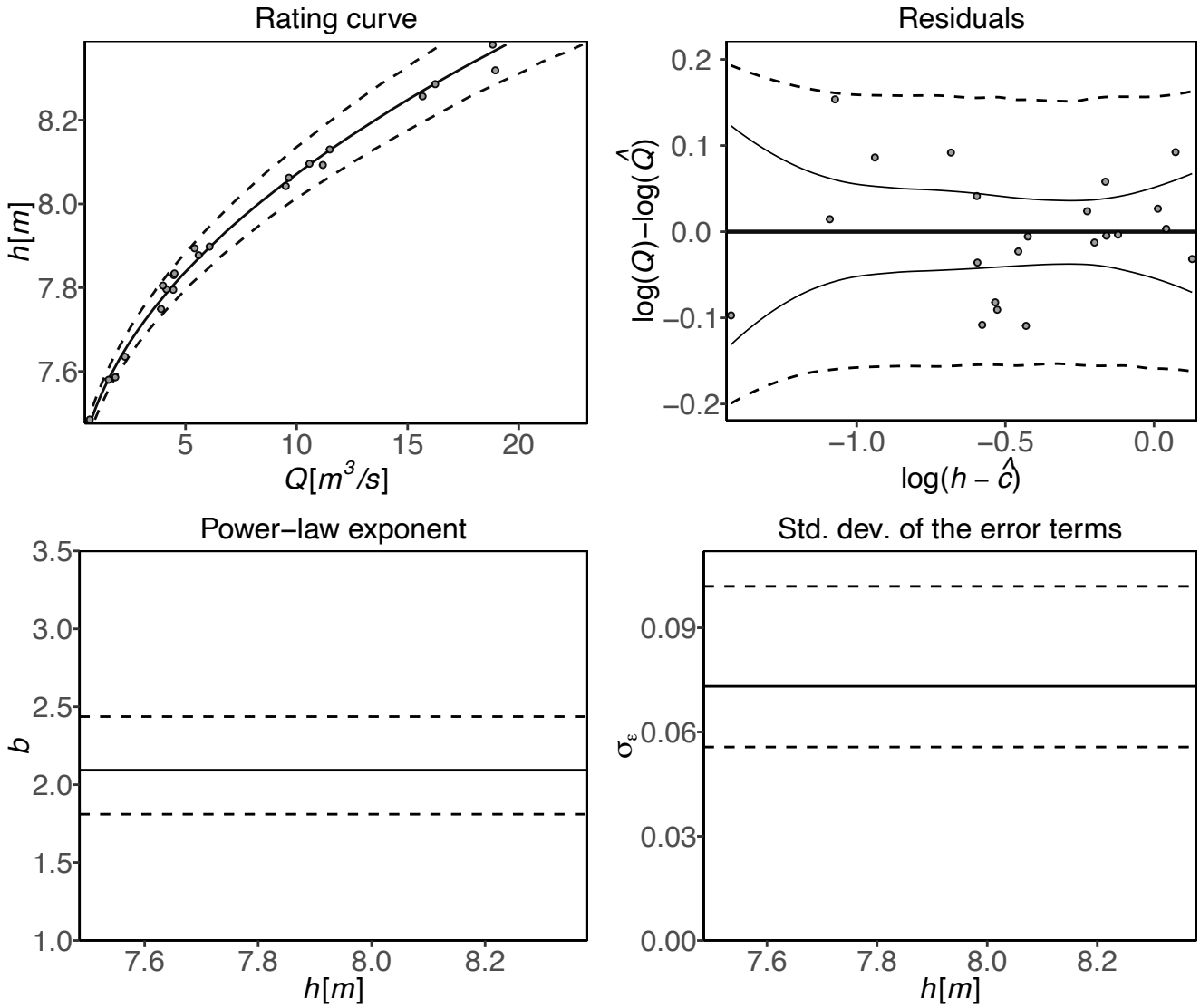
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.56	[13.78; 20.41]	1358	1.02
b	1.84	[1.83; 1.84]	10545	1.00
c	7.30	[7.20; 7.39]	1545	1.01
σ_ε	0.07	[0.04; 0.10]	1480	1.02
σ_β	0.44	[0.08; 0.81]	1067	1.02
ϕ_β	1.11	[0.17; 2620.17]	759	1.07

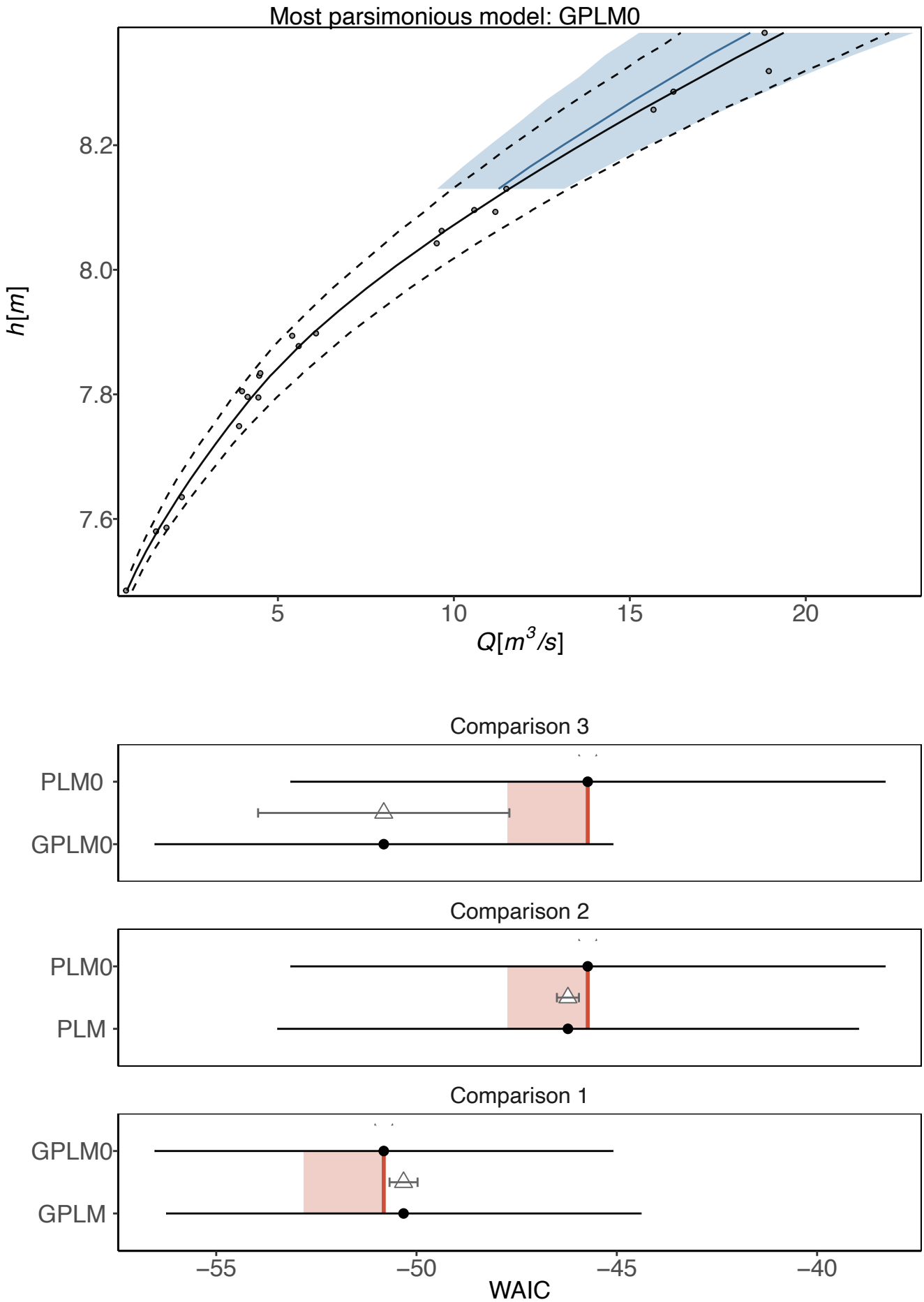
Galgbacken, Sweden – PLM



	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.81	[12.04; 16.67]	2547	1.00
b	2.10	[1.81; 2.47]	2499	1.00
c	7.24	[7.15; 7.31]	2383	1.00
σ_η	0.08	[0.00; 0.44]	1945	1.00
η_1	–5.18	[–5.80; –4.40]	2263	1.00
η_2	–5.22	[–7.14; –3.30]	2645	1.00
η_3	–5.42	[–8.01; –2.77]	2774	1.00
η_4	–5.65	[–8.82; –2.27]	2844	1.00
η_5	–5.78	[–9.52; –1.93]	2824	1.00
η_6	–5.80	[–10.05; –1.49]	2622	1.00

Galgbacken, Sweden – PLM0



	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.85	[12.32; 16.66]	10418	1.00
b	2.09	[1.81; 2.44]	10735	1.00
c	7.24	[7.16; 7.31]	10455	1.00
σ_ε	0.07	[0.06; 0.10]	9397	1.00

Power−law tournament results for Galgbacken, Sweden