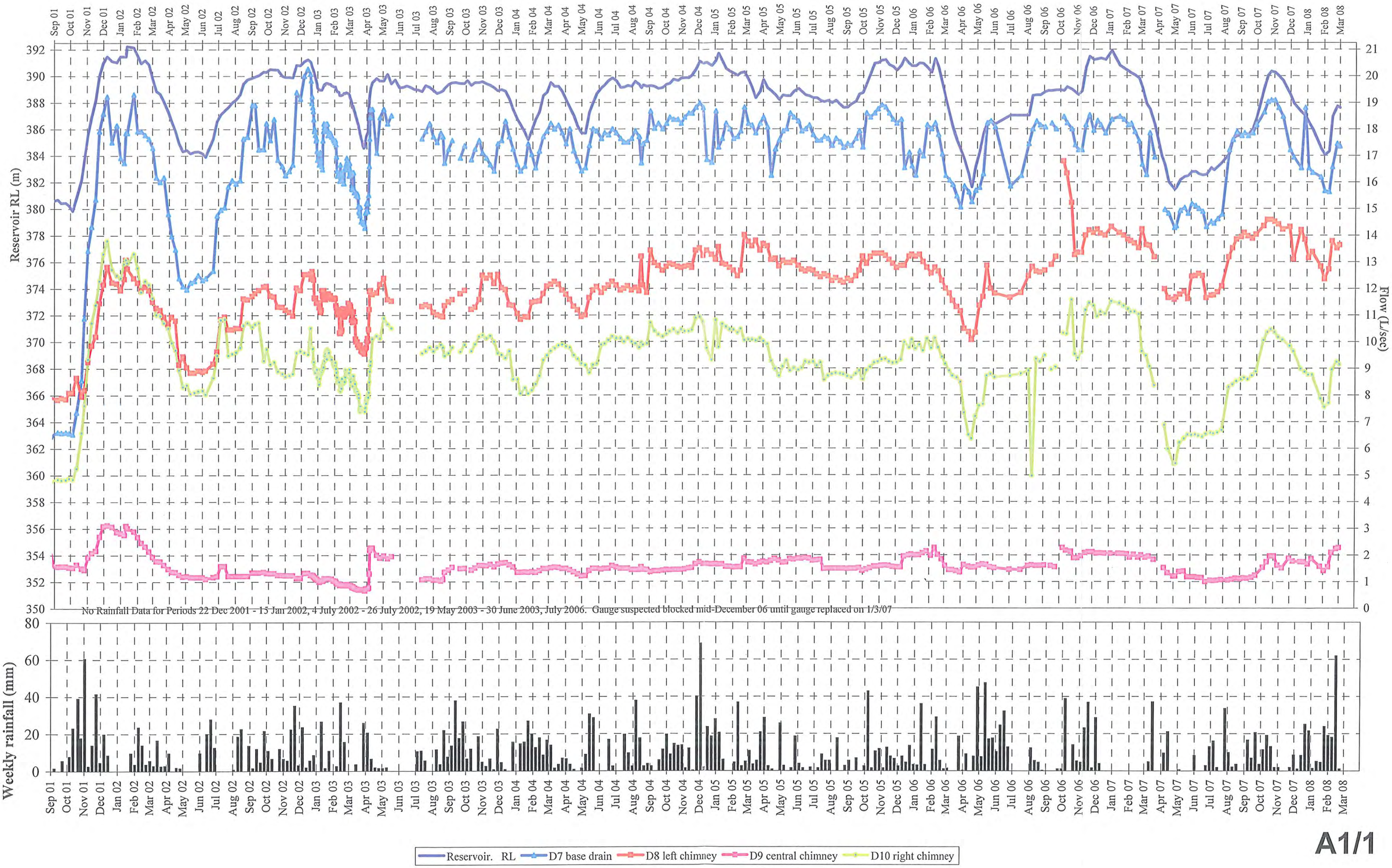
Appendix A: Instrumentation records

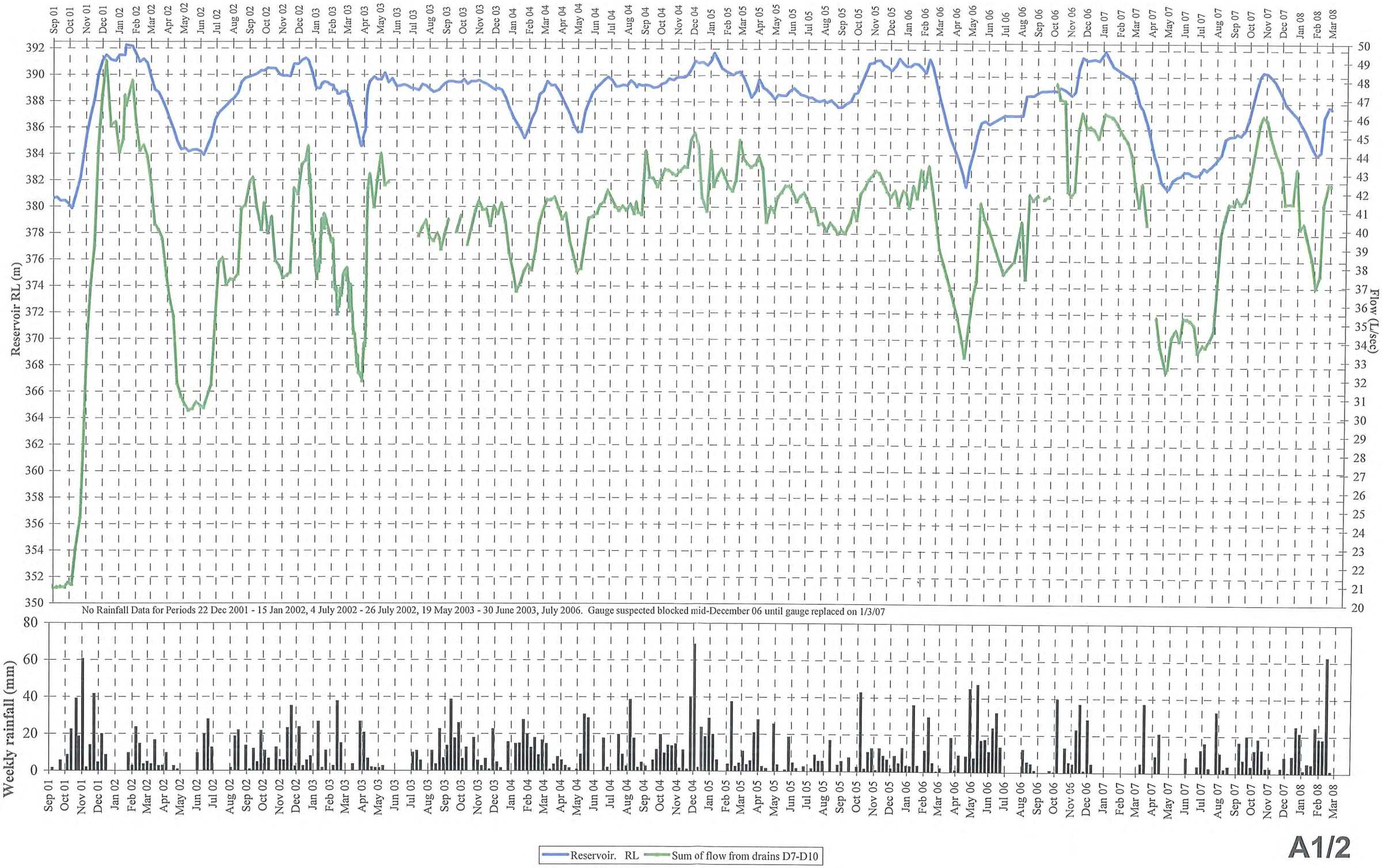
- A1/1 – Seepage Drains D7, D8, D9 & D10
- A1/2 – Seepage sum of Drains D7 – D10
- A1/3 – Seepage Drains 4, D17, D18 & D21
- A2/1 – Hydraulic Piezometers -2m & RL 355 tips
- A2/2 - Hydraulic Piezometers RL 365 tips
- A2/3 - Hydraulic Piezometers RL 375 tips
- A3/1 – Observation Wells OW1, 2, 3 & 4
- A3/2 – Observation Wells OW5, 6 & 7
- A3/3 – Observation Wells OW8, 9 & 10
- A4/1 – Seepage H flume and manual results, D7, D8, D9 & D10
- A4/2 - Seepage H flume and manual results, D7-D10

OPUHA DAM SEEPAGE DRAINS D7, D8, D9 & D10



A1/1

OPUHA DAM SEEPAGE SUM OF DRAINS D7-D10



A1/2

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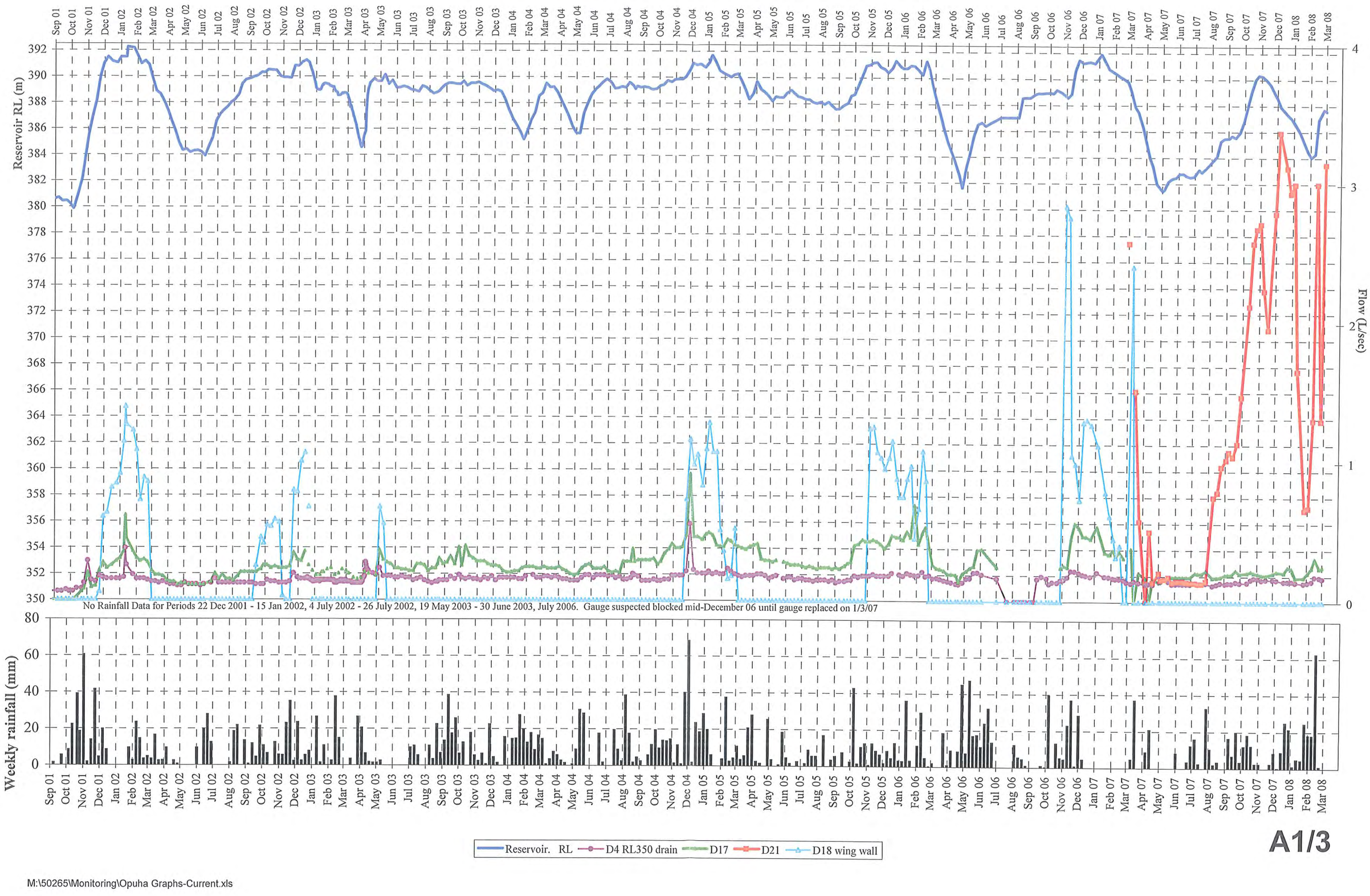
OPUHA DAM SEEPAGE DRAINS D4, D17, D18 & D21



A1/3

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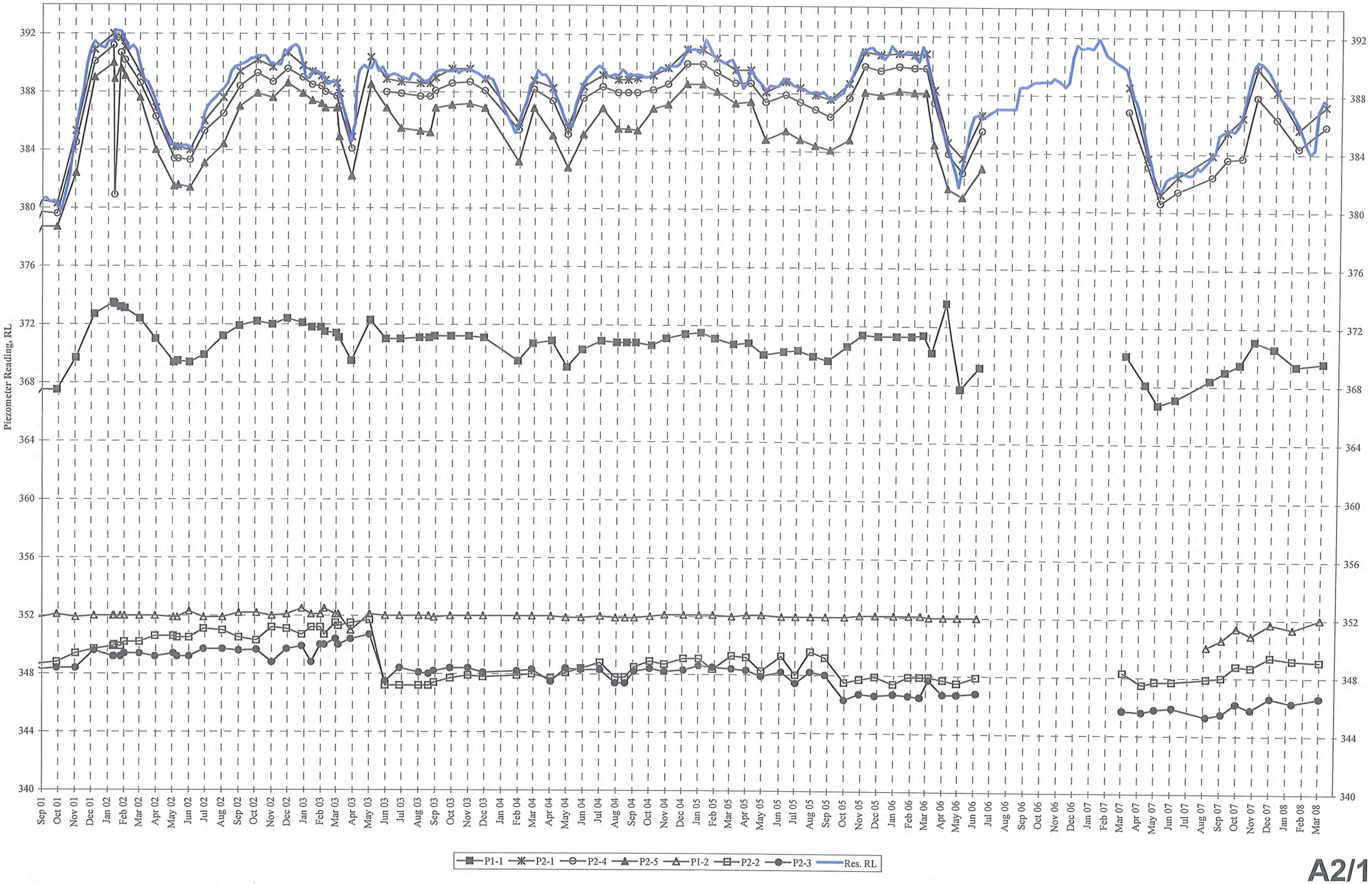
OPUHA DAM HYDRAULIC PIEZOMETERS -2m & RL 355 TIPS



A2/1

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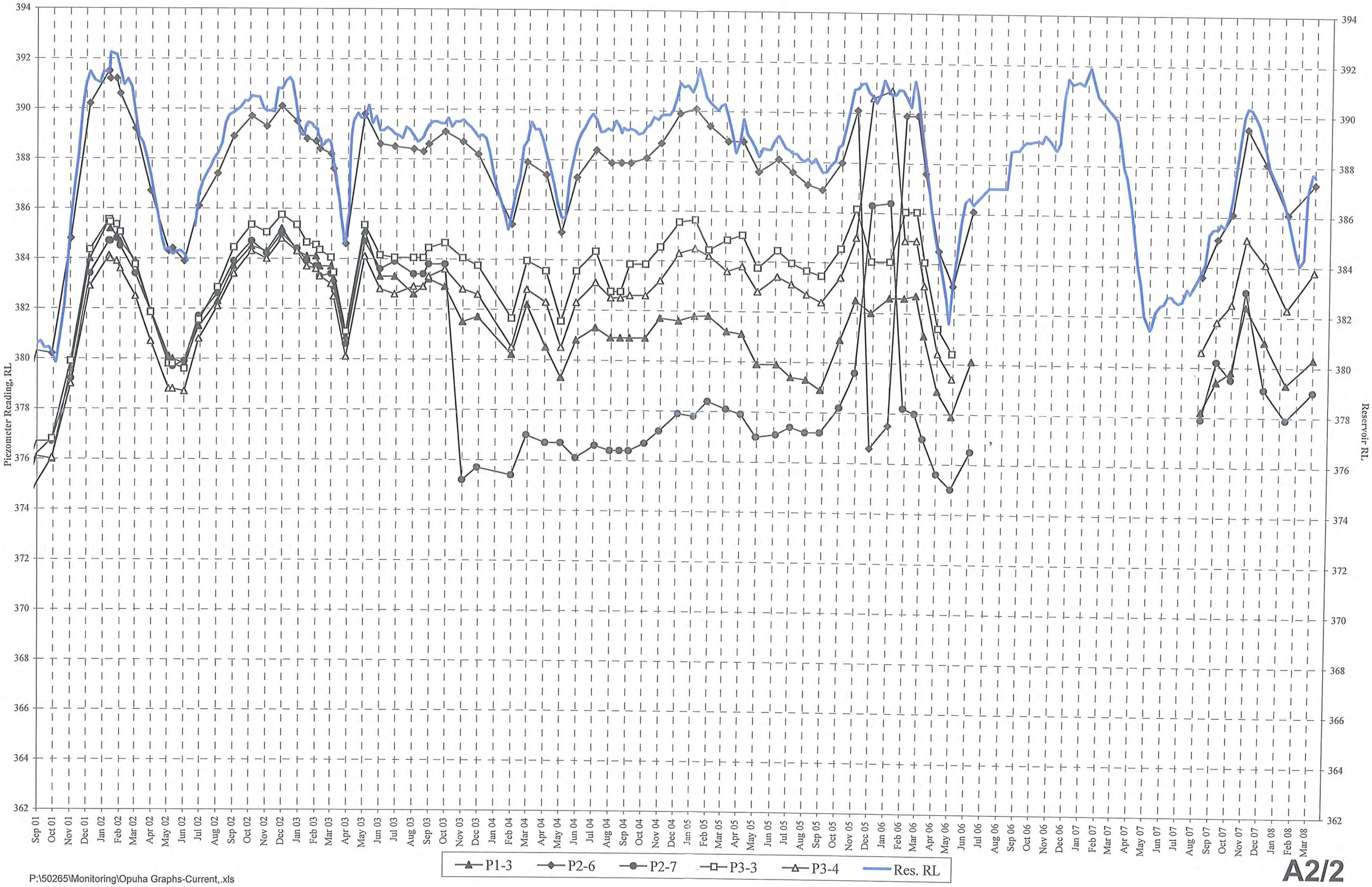
OPUHA DAM HYDRAULIC PIEZOMETERS - RL 365 TIPS



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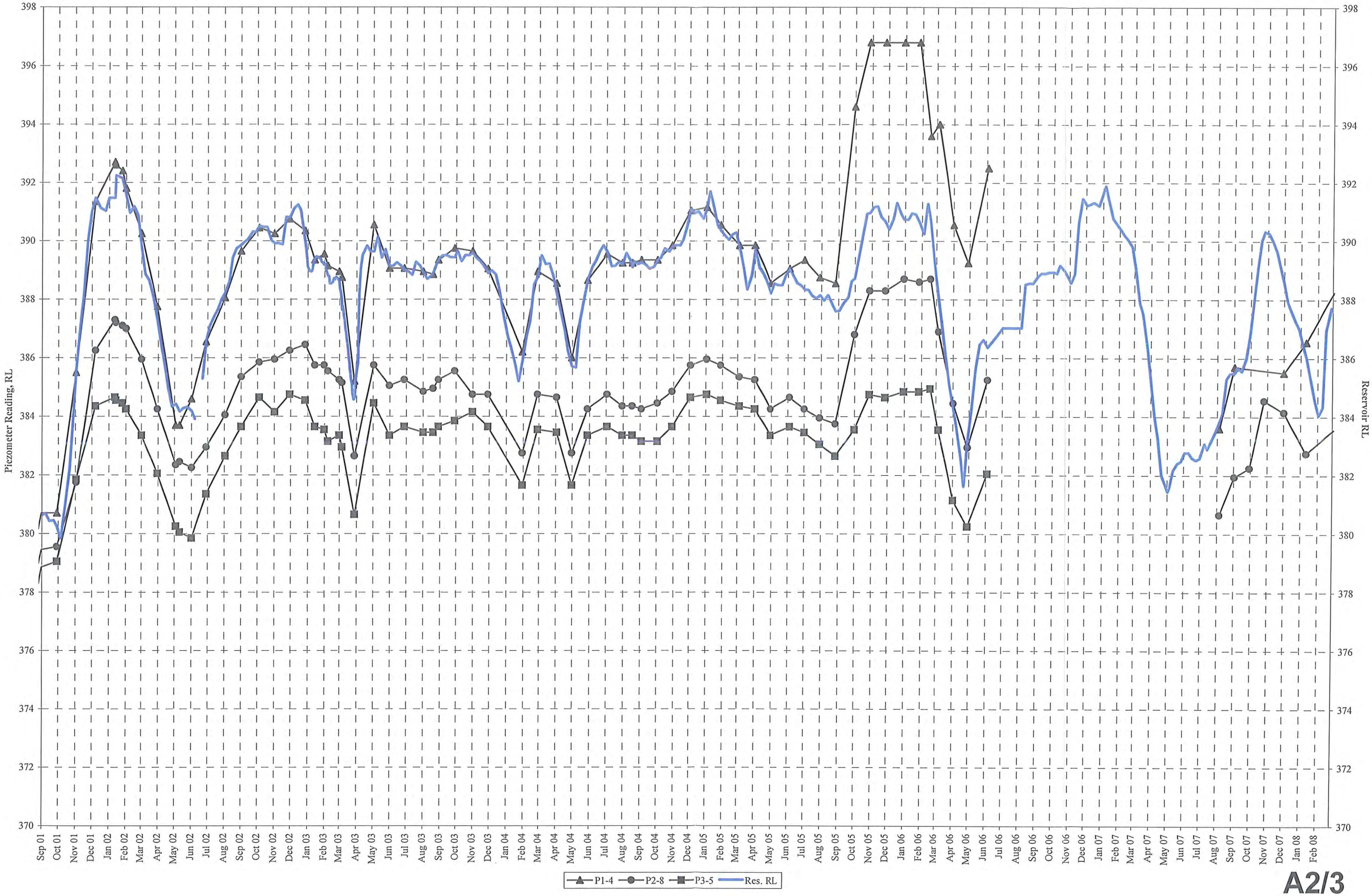
OPUHA DAM HYDRAULIC PIEZOMETERS - RL 375 TIPS



A2/3

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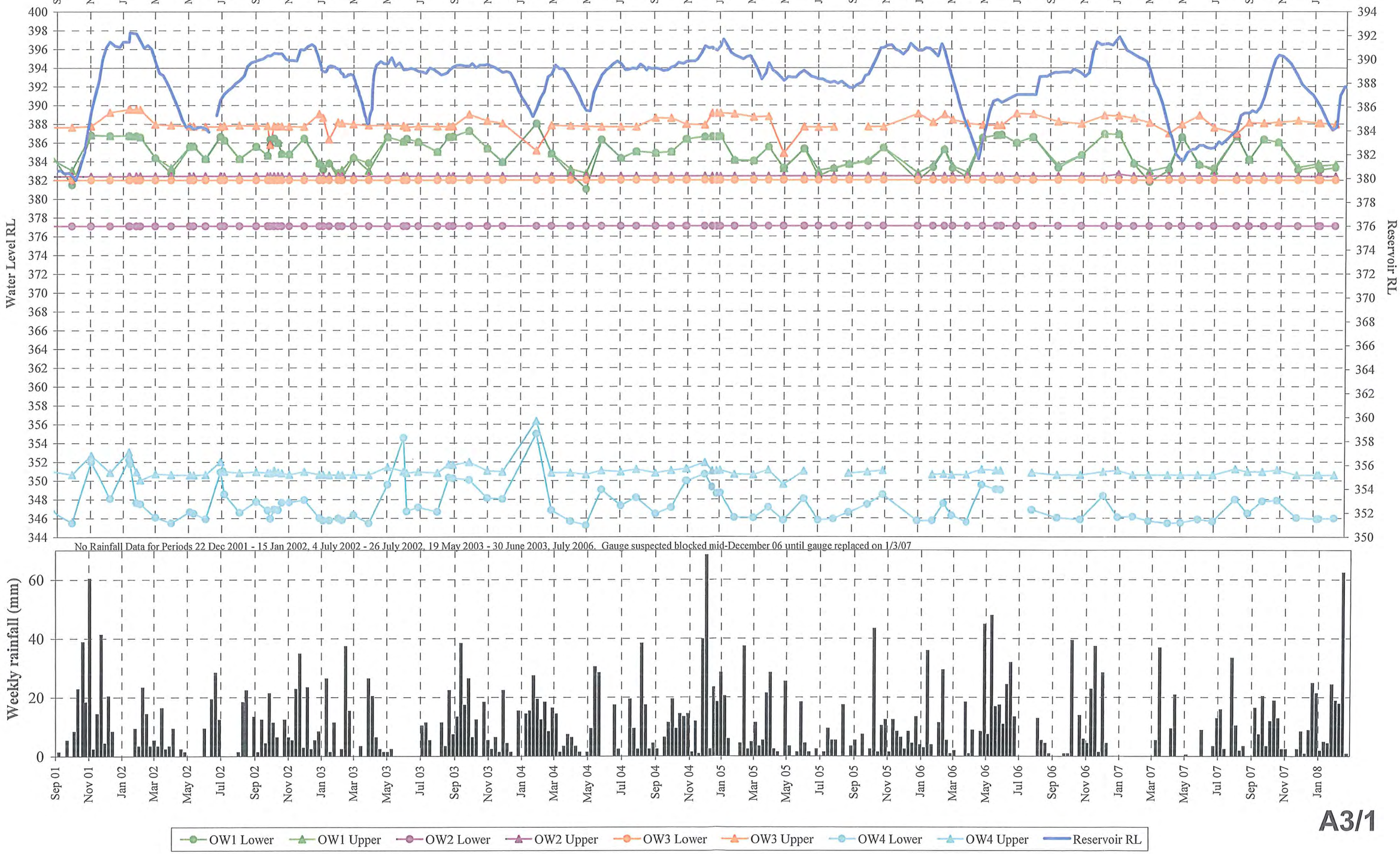
OPUHA DAM OBSERVATION WELLS - OW 1, 2, 3 & 4



No Rainfall Data for Periods 22 Dec 2001 - 15 Jan 2002, 4 July 2002 - 26 July 2002, 19 May 2003 - 30 June 2003, July 2006. Gauge suspected blocked mid-December 06 until gauge replaced on 1/3/07

A3/1

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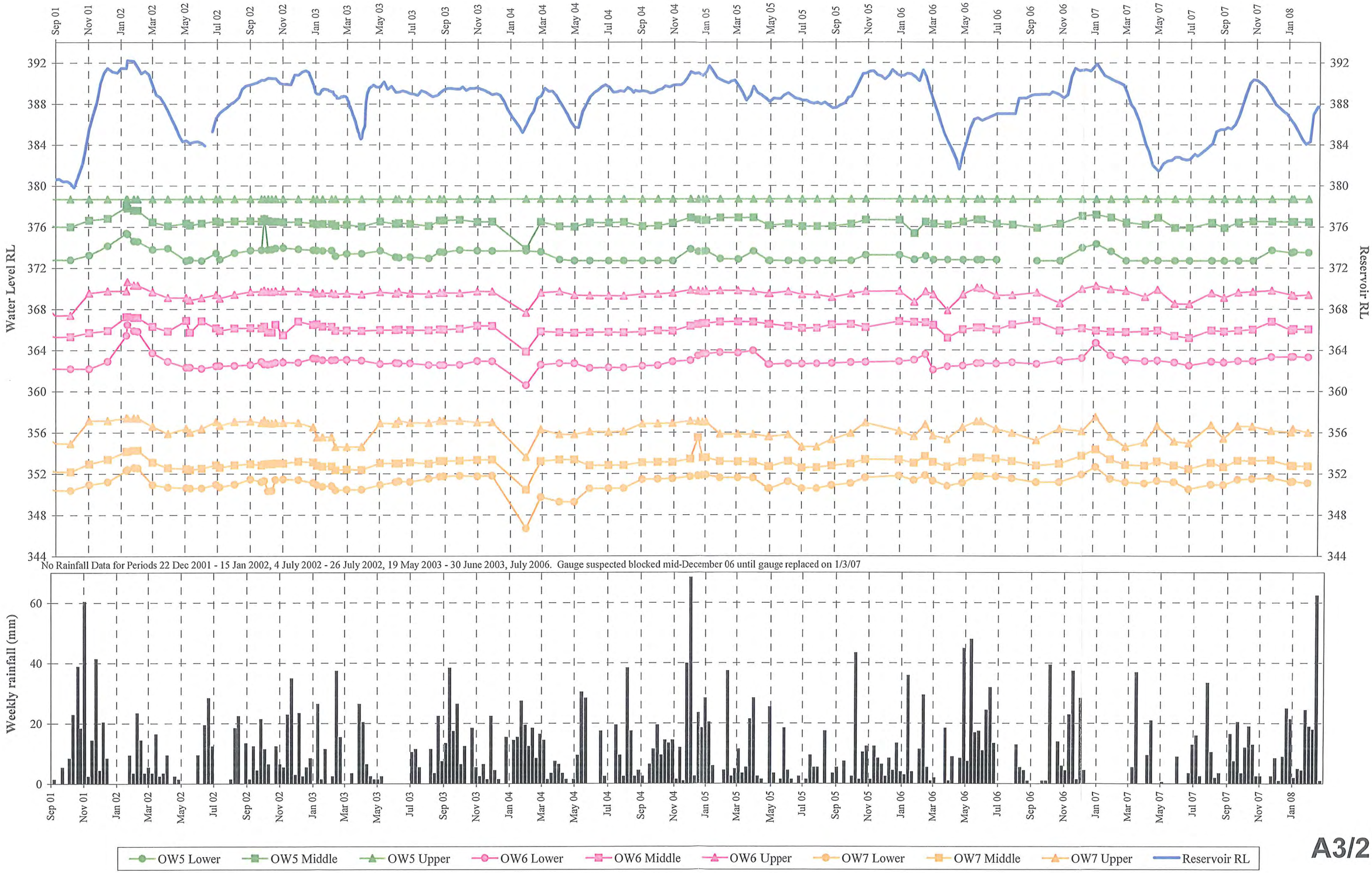
OPUHA DAM OBSERVATION WELLS - OW 5,6,7



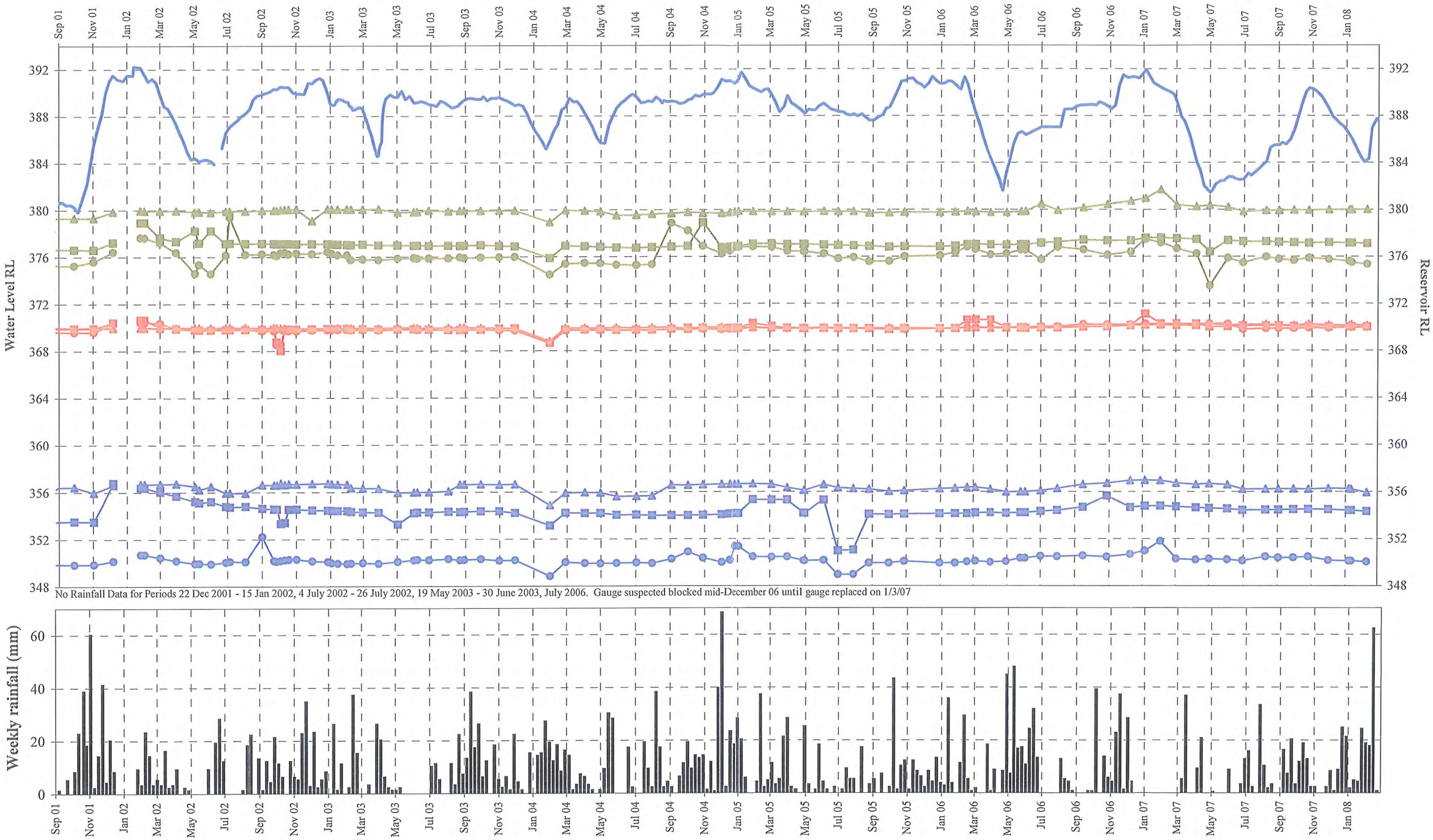
No Rainfall Data for Periods 22 Dec 2001 - 15 Jan 2002, 4 July 2002 - 26 July 2002, 19 May 2003 - 30 June 2003, July 2006. Gauge suspected blocked mid-December 06 until gauge replaced on 1/3/07

OW5 Lower | OW5 Middle | OW5 Upper | OW6 Lower | OW6 Middle | OW6 Upper | OW7 Lower | OW7 Middle | OW7 Upper | Reservoir RL

A3/2

P:\50265\Monitoring\Opuha Graphs-Current,.xls

OPUHA DAM OBSERVATION WELLS - OW 8,9,10

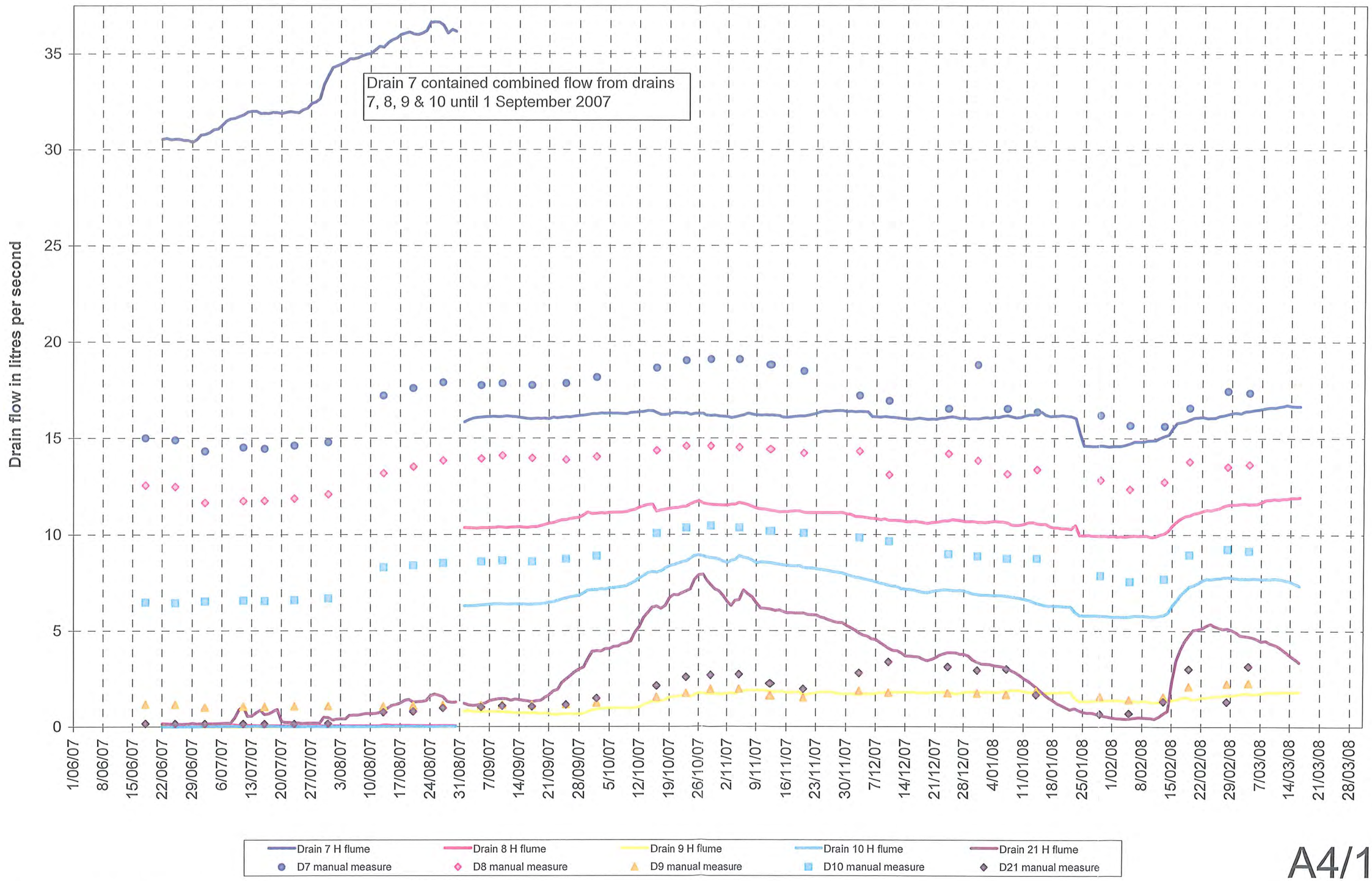


No Rainfall Data for Periods 22 Dec 2001 - 15 Jan 2002, 4 July 2002 - 26 July 2002, 19 May 2003 - 30 June 2003, July 2006. Gauge suspected blocked mid-December 06 until gauge replaced on 1/3/07

OW8 Lower — OW8 Middle — OW8 Upper — OW9 Lower — OW9 Middle — OW9 Upper — OW10 Lower — OW10 Middle — OW10 Upper — Reservoir RL

A3/3

OPUHA DAM Seepage drain flow H flume and Manual results D7, D8, D9 & D10



A4/1

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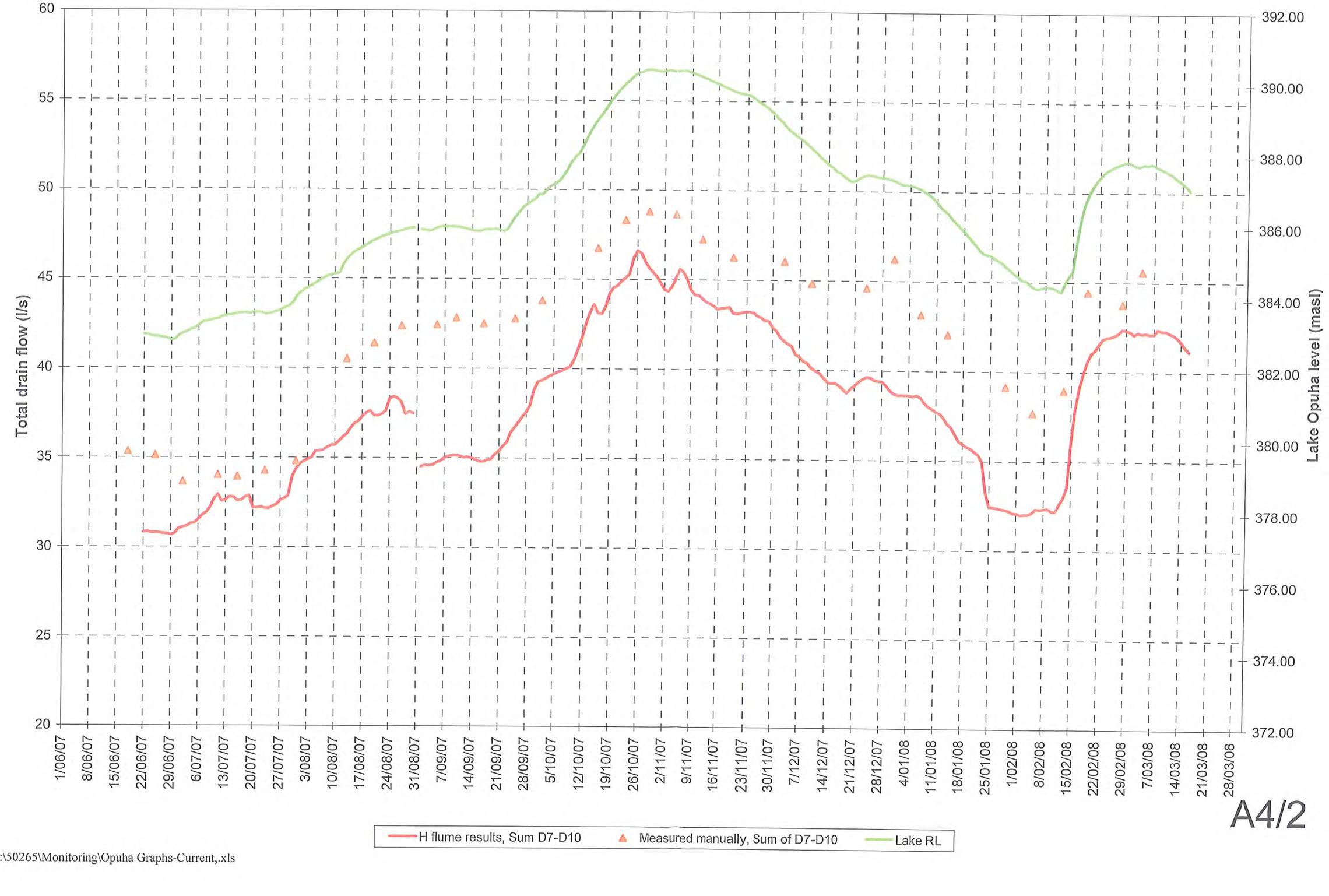
OPUHA DAM Seepage drain flow H flume and Manual results Sum D7-D10



A4/2

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