

APPENDIX F

**Performance Indicator Monitoring
Program (PITM) Results**

Figure F-1 2023 Surface Water PITM Results
SWI - Rob Roy Swamp 6 Quarry Discharge

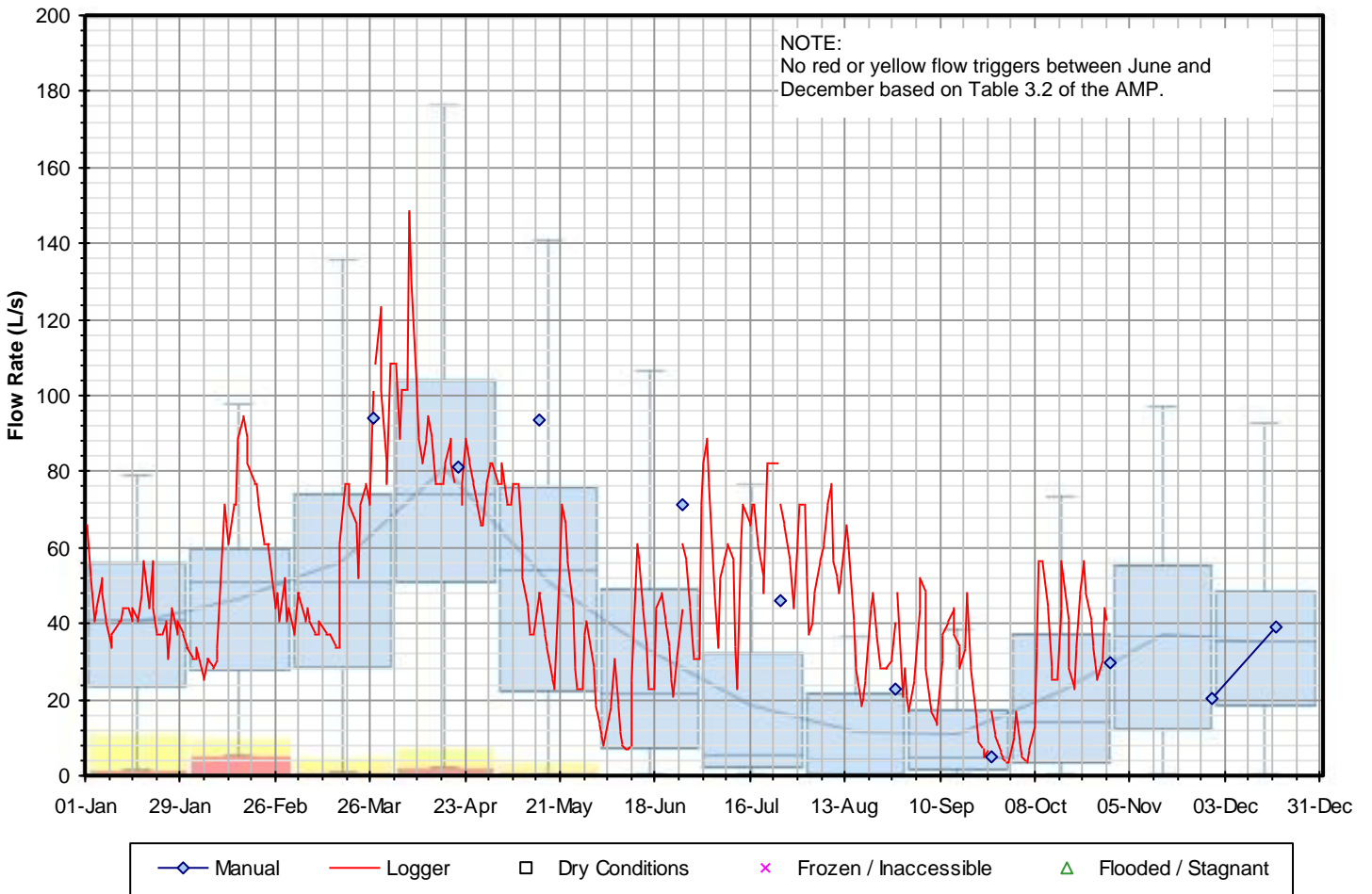
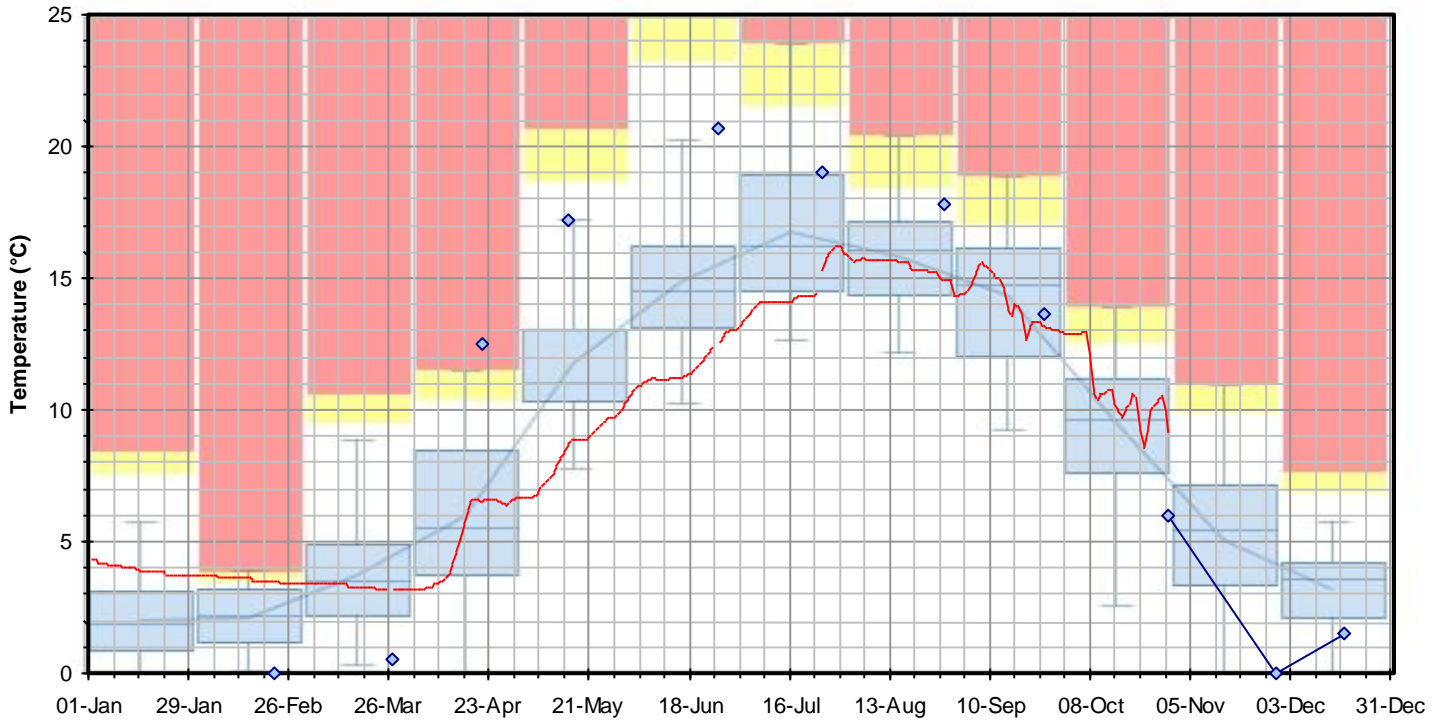


Figure F-2 2023 Surface Water PITM Results
SW2 - Rob Roy Swamp 6 Culvert south of County Rd 91

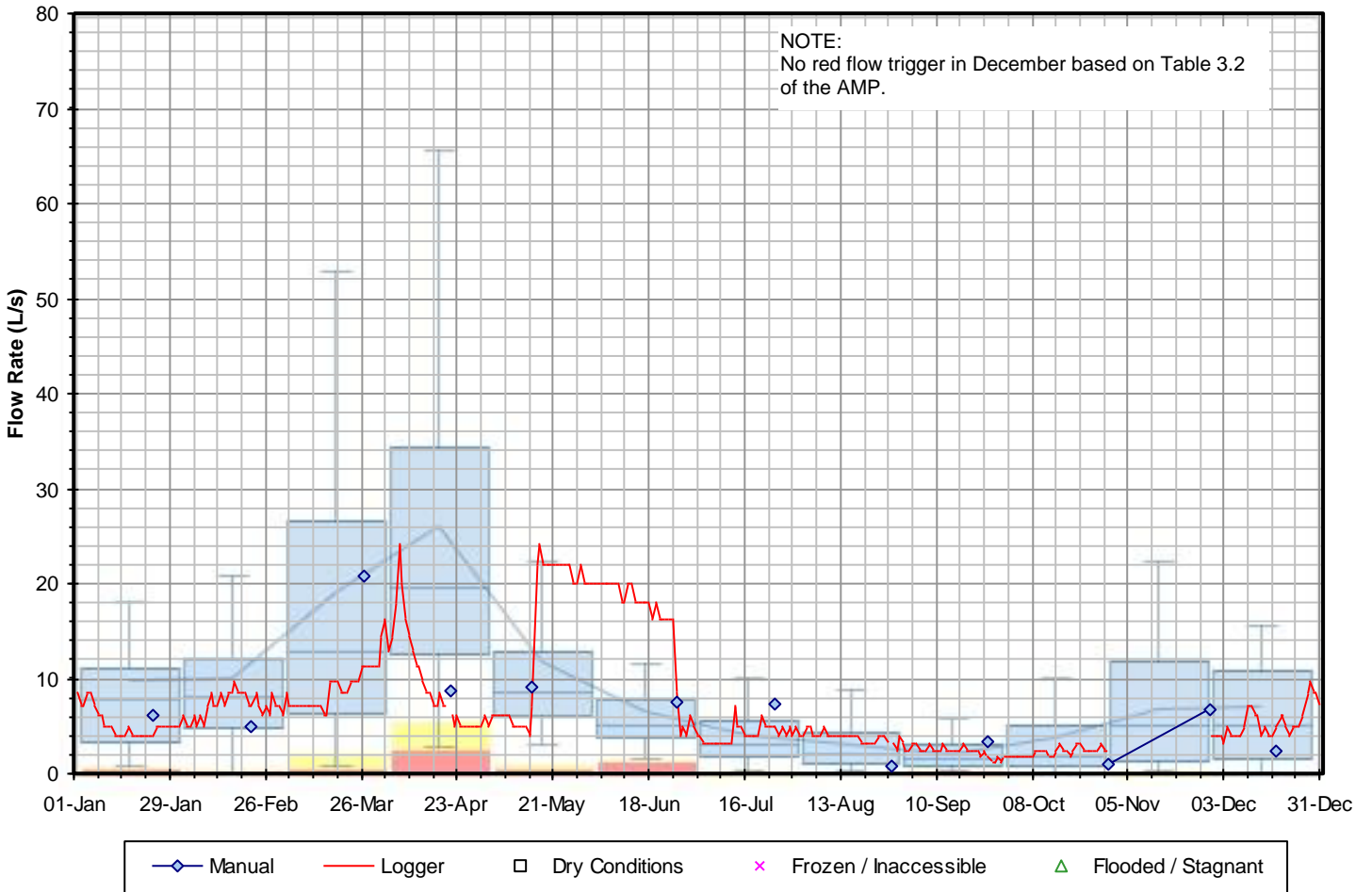
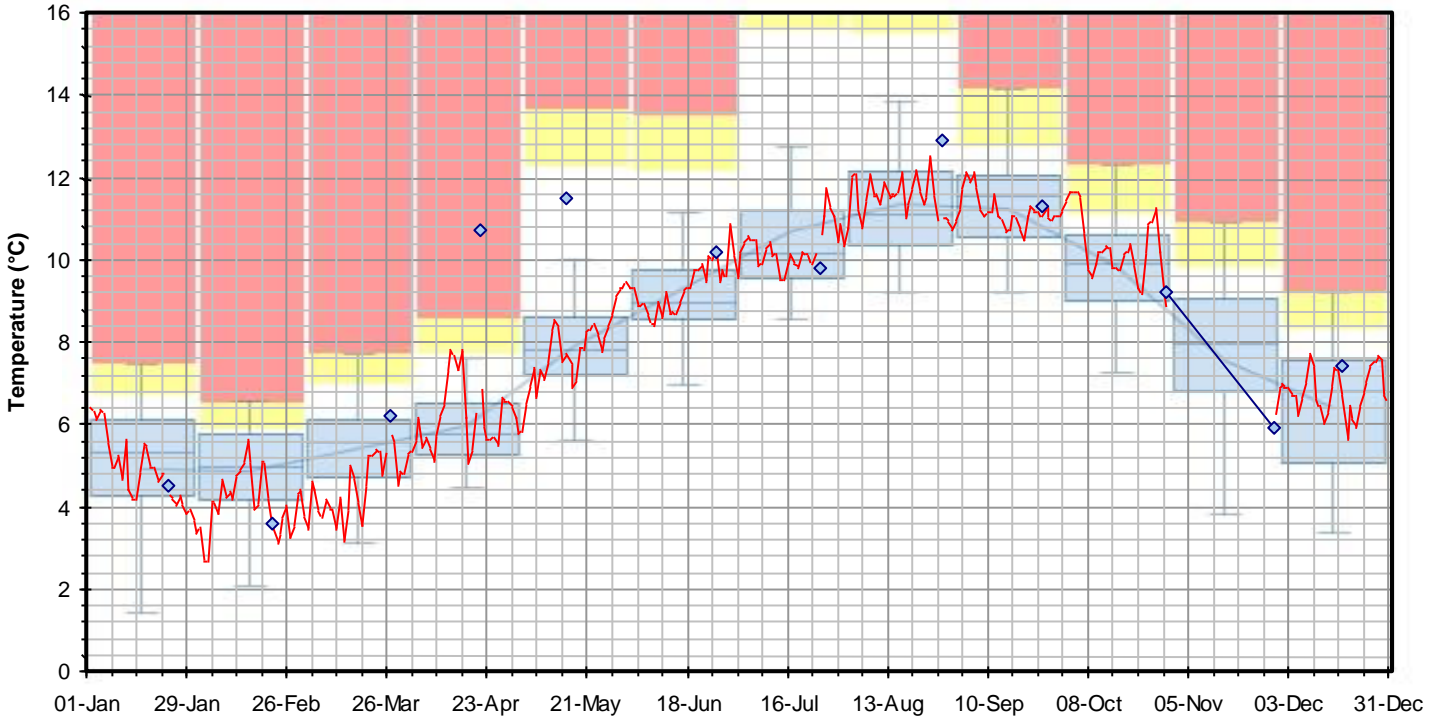
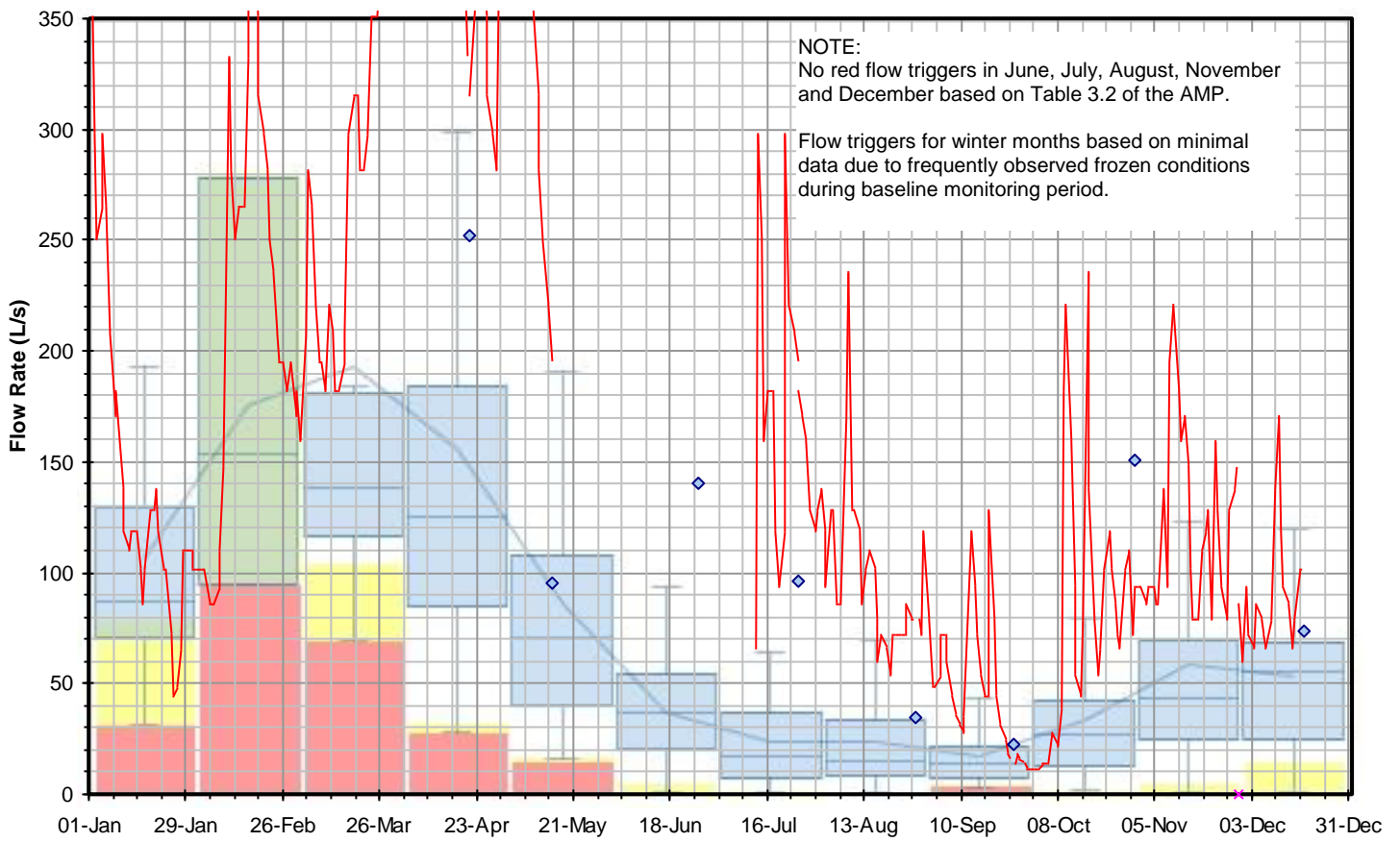
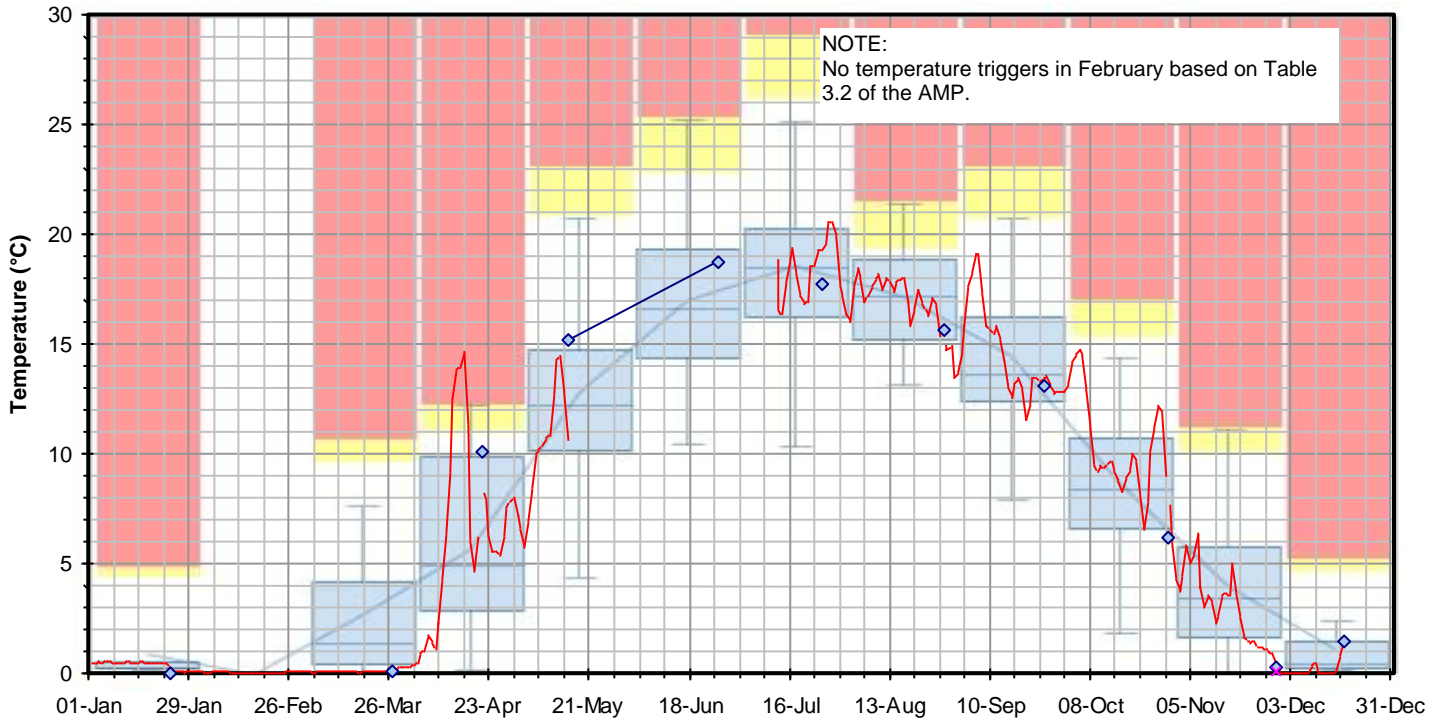


Figure F-3 2023 Surface Water PITM Results
SW0-2 - Rob Roy Swamp 6 Northwest Outlet



◆ Manual
 — Logger
 □ Dry Conditions
 × Frozen / Inaccessible
 △ Flooded / Stagnant

Figure F-4 2023 Surface Water PITM Results

SW3 - Rob Roy Swamp 2 West Outlet

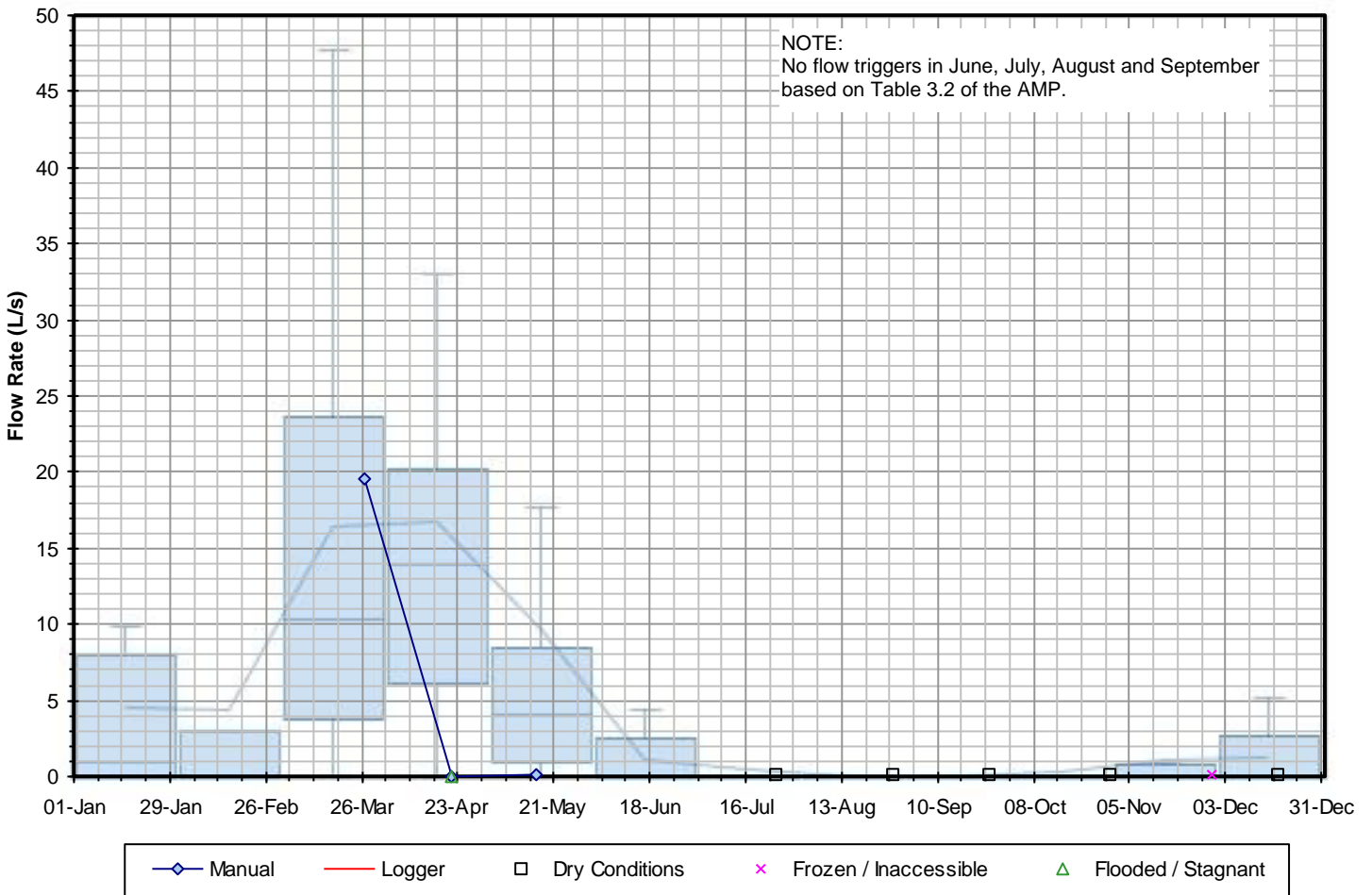
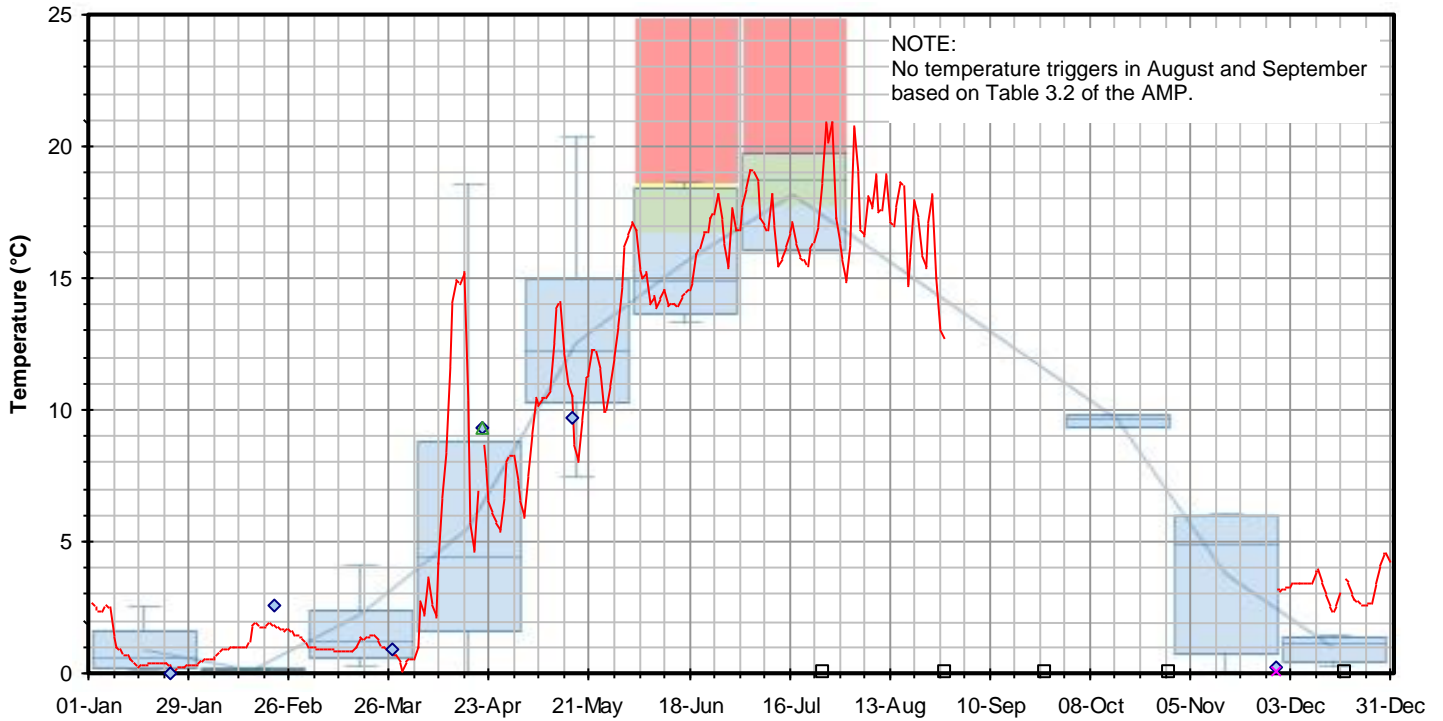


Figure F-5 2023 Surface Water PITM Results
SW6A - Beaver River Downstream of SW6 at Sideroad 30

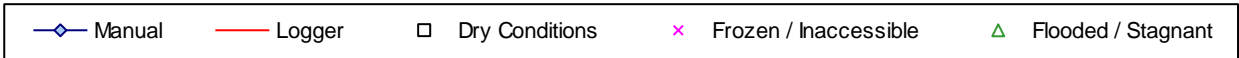
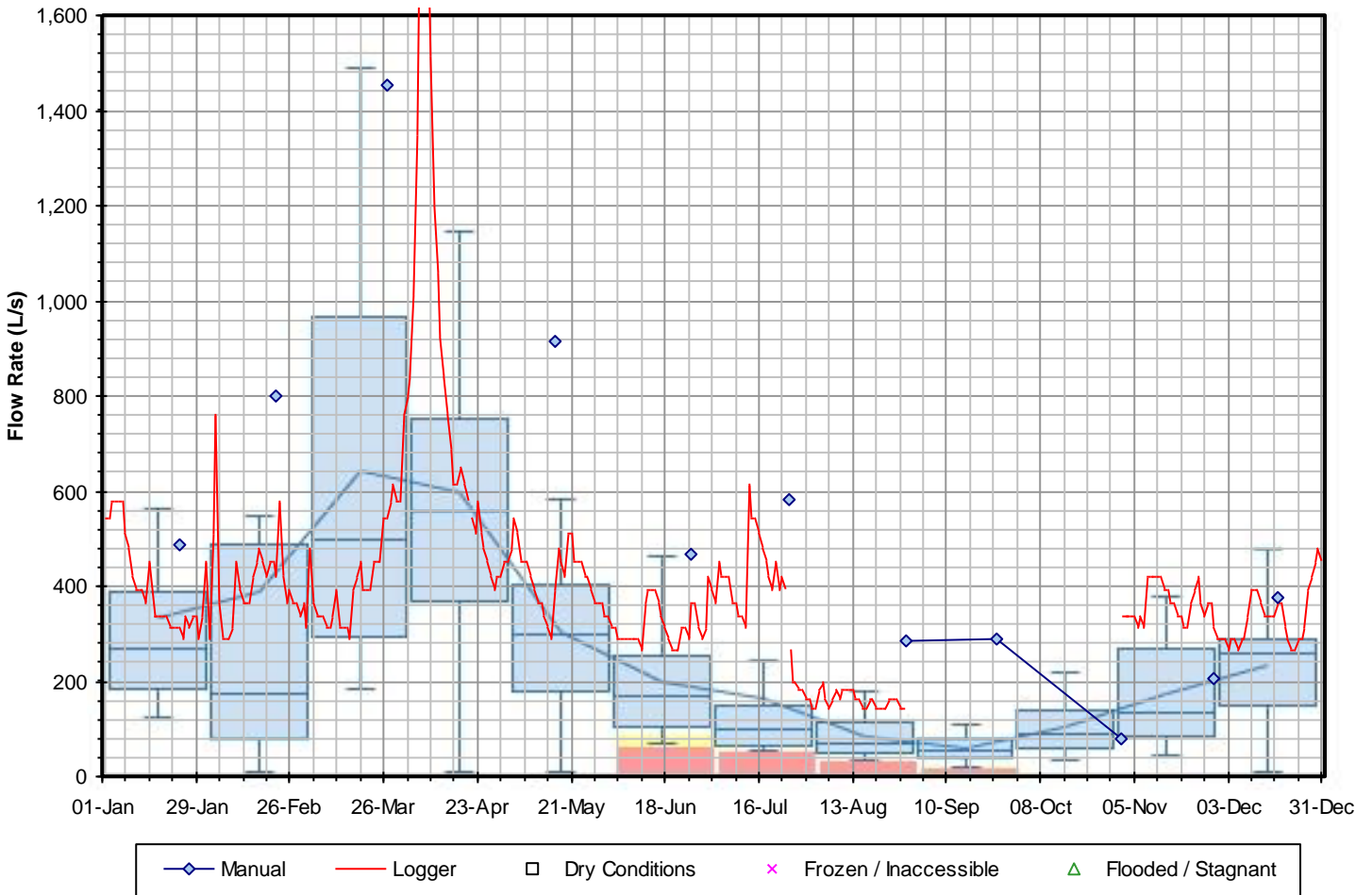
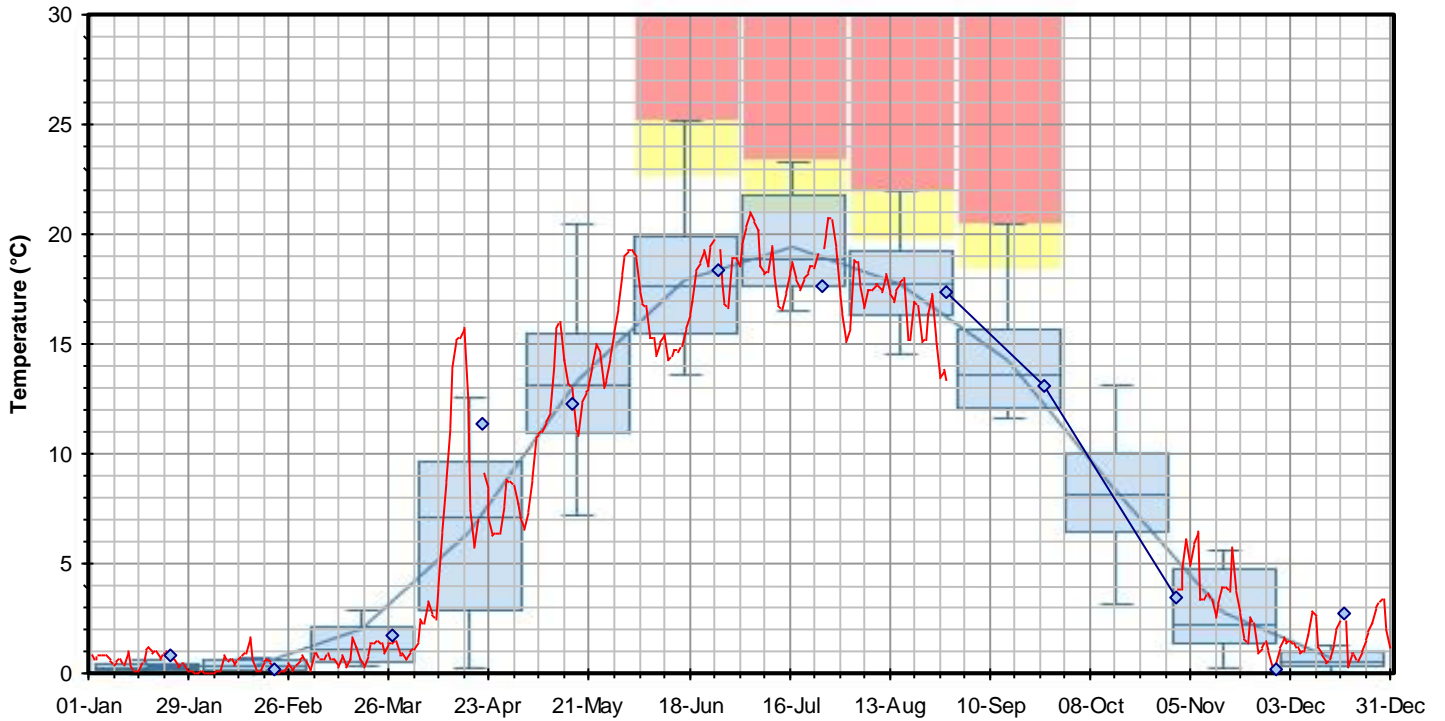


Figure F-6 2023 Surface Water PITM Results
SW9 - Inlet to Sinkhole on Bridson Property

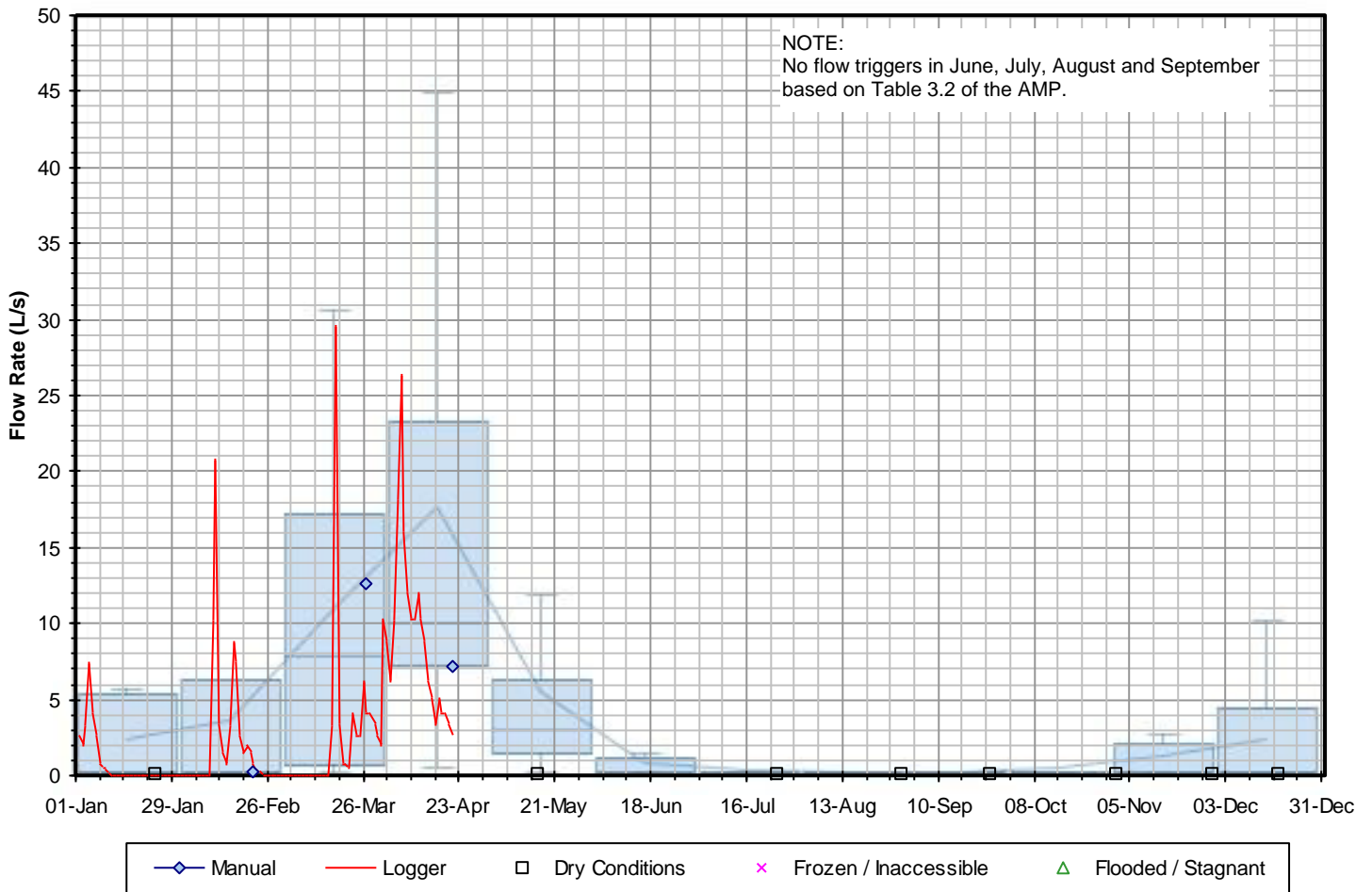
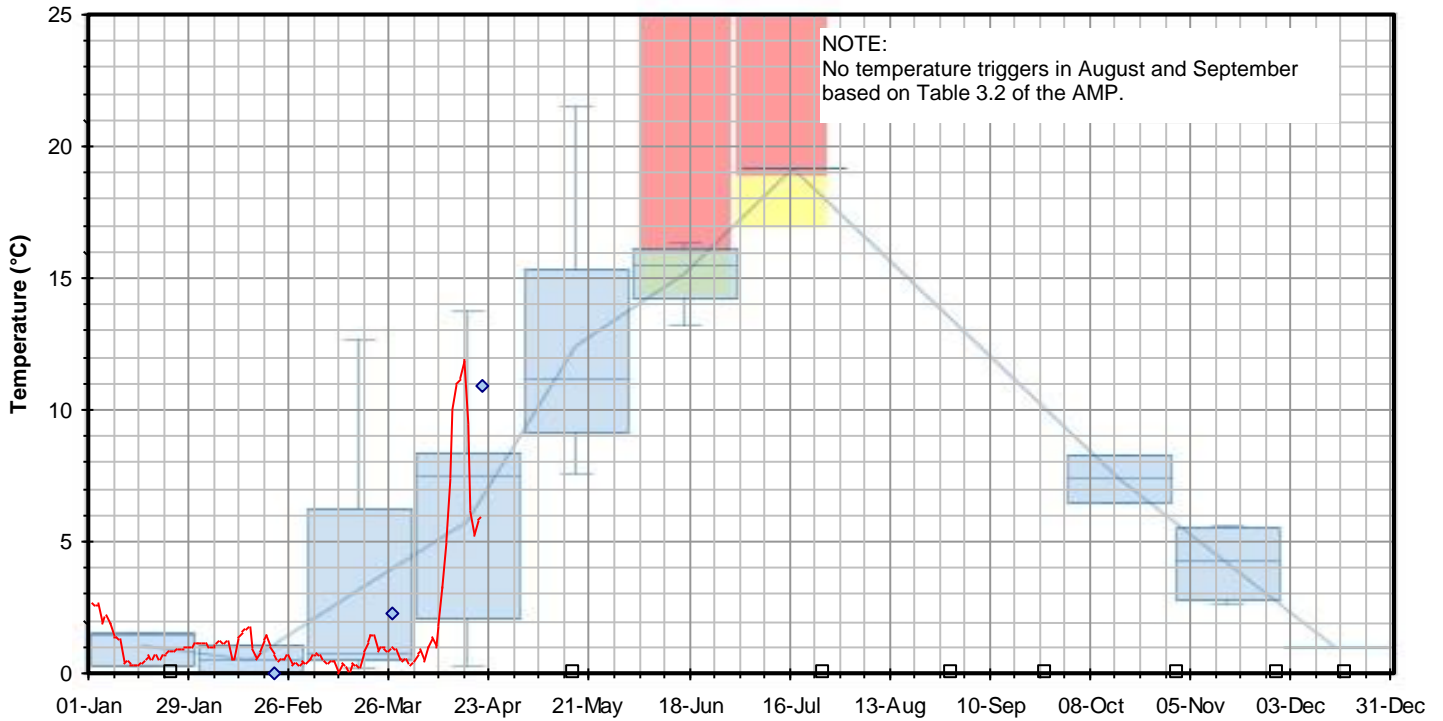


Figure F-7 2023 Surface Water PITM Results
SW10 - Escarpment Seep on Franks Property

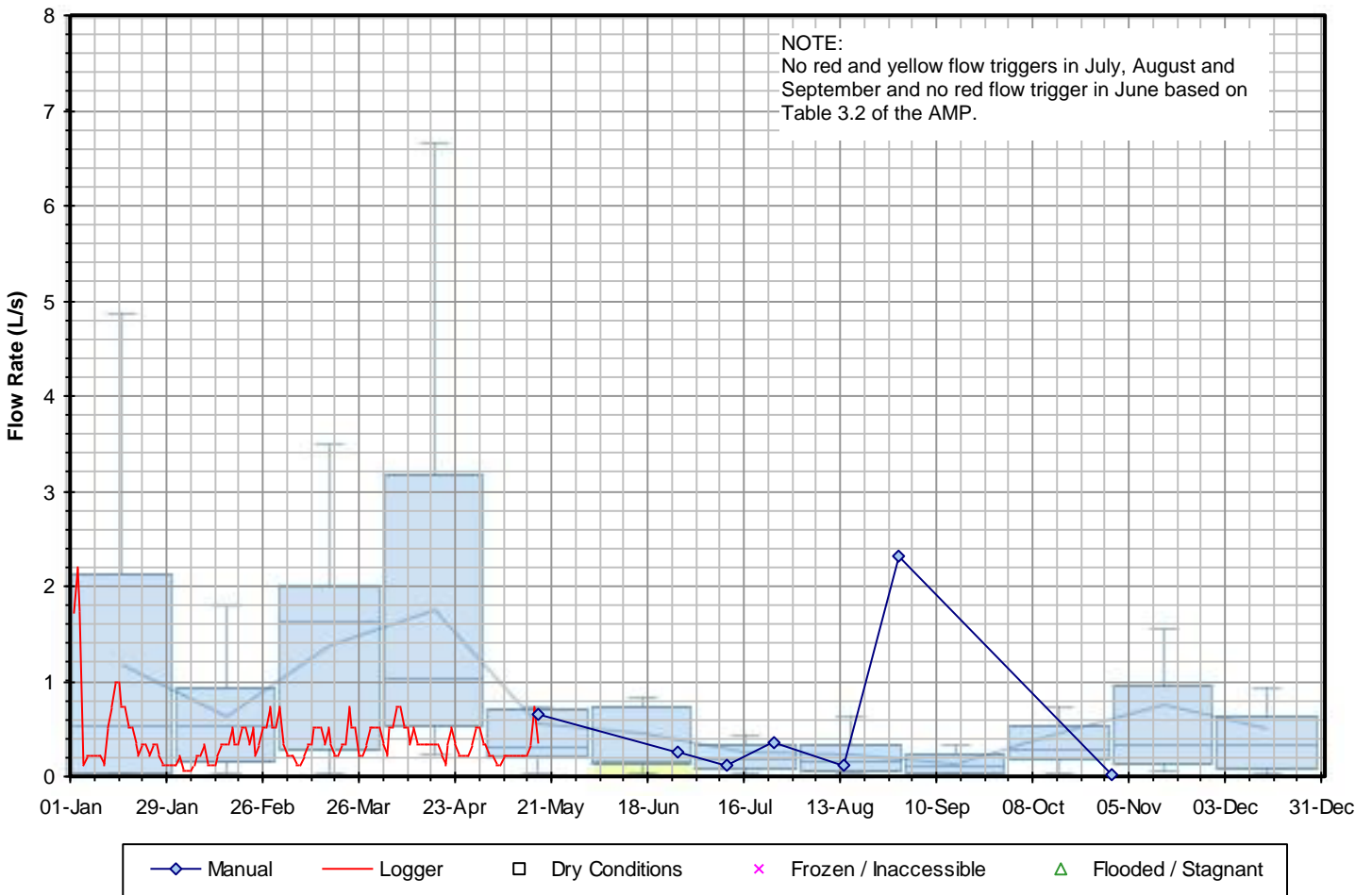
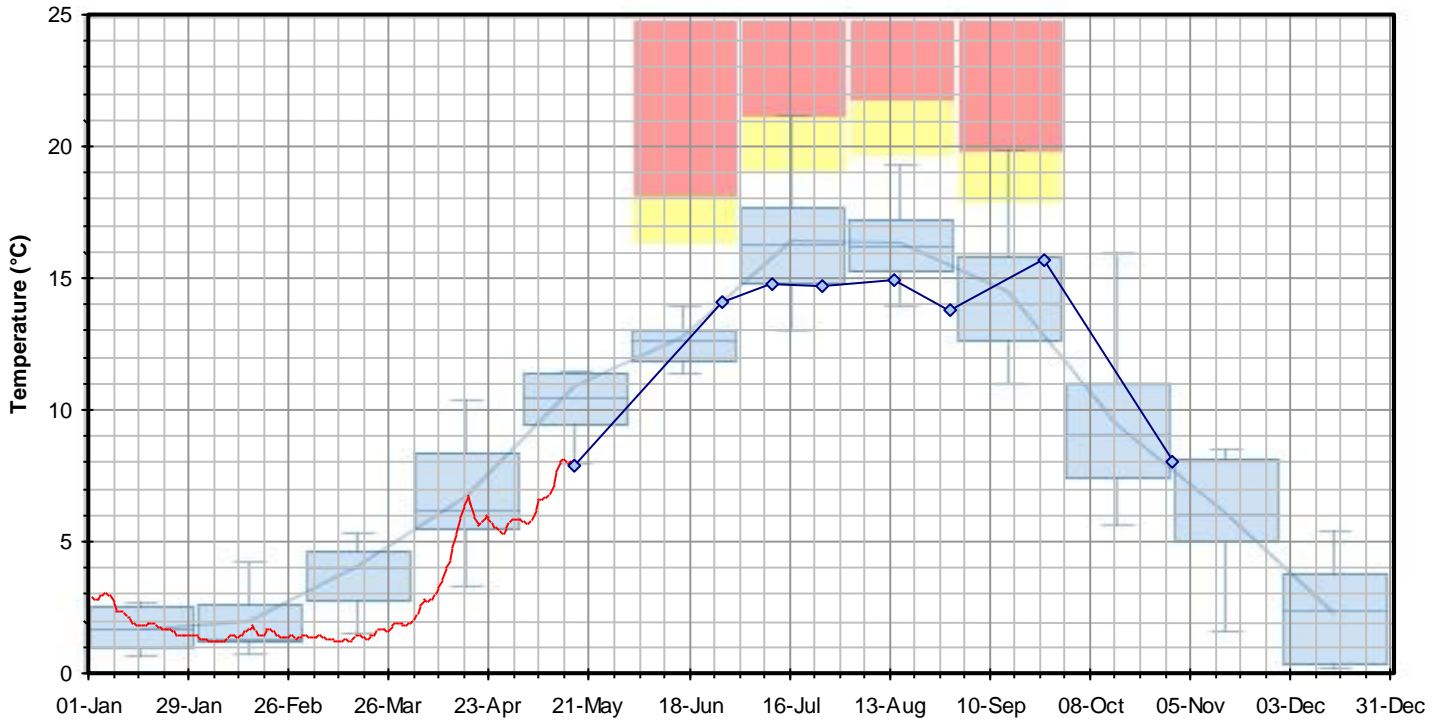


Figure F-8 2023 Surface Water PITM Results

SW11 - Culmination of Escarpment Seeps SW11A-D on Franks Property

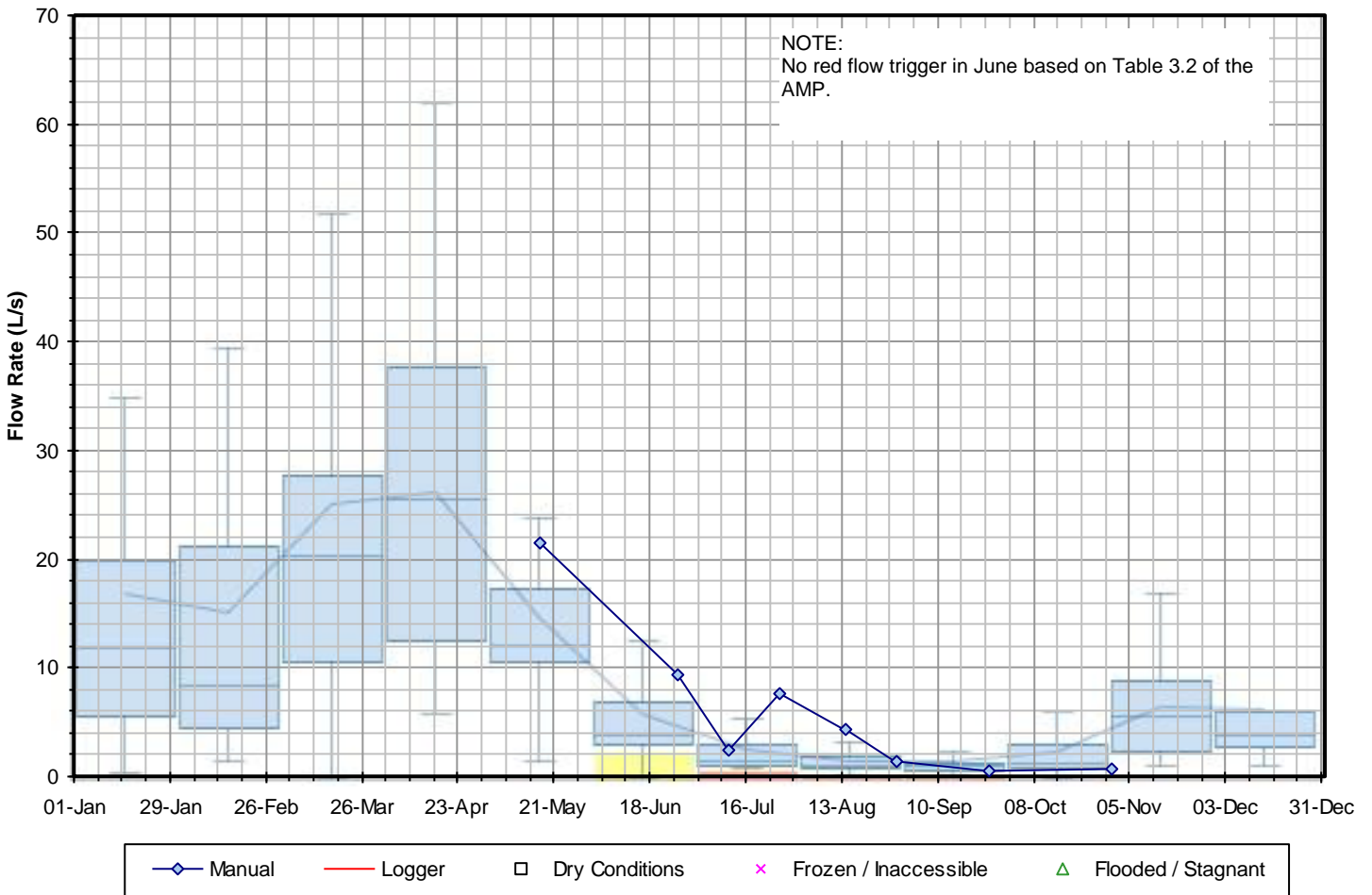
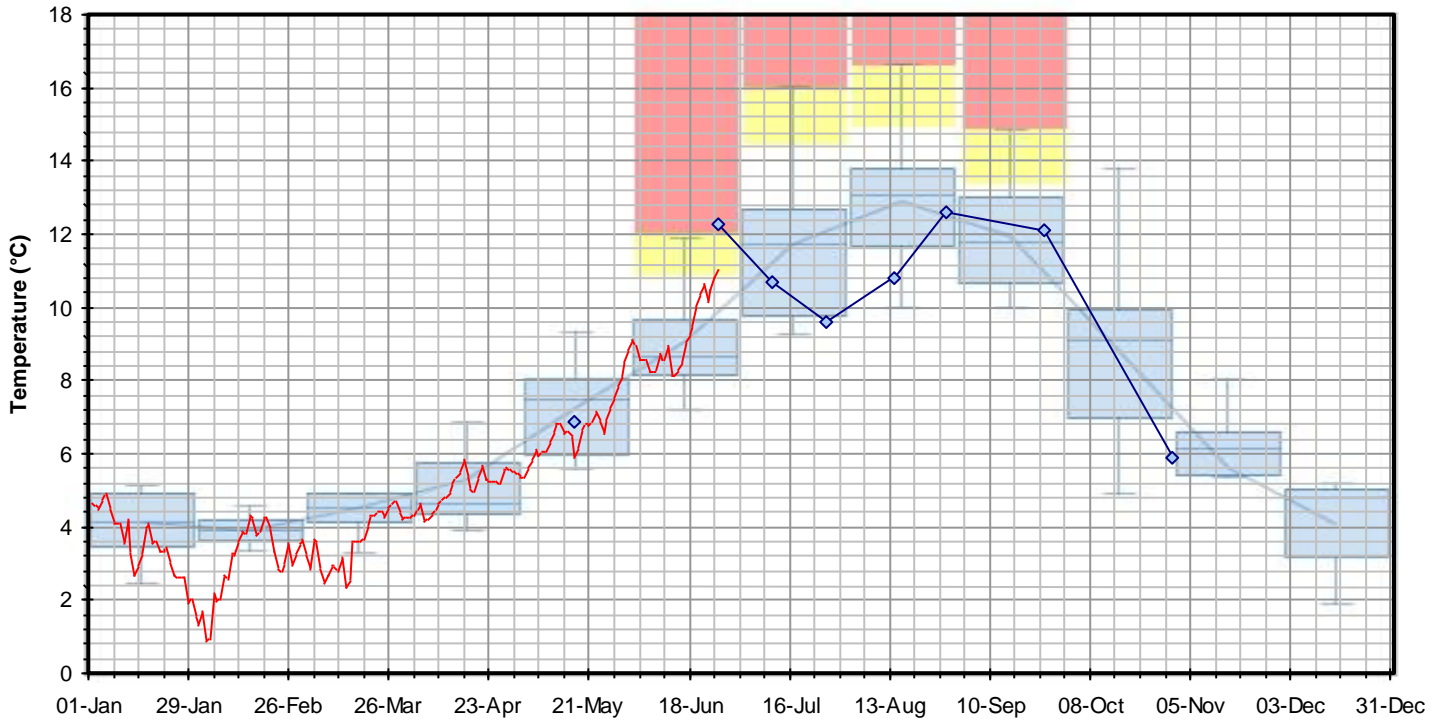


Figure F-9 2023 Surface Water PITM Results
SW14 - Batteaux Creek Downstream of Franks Pond

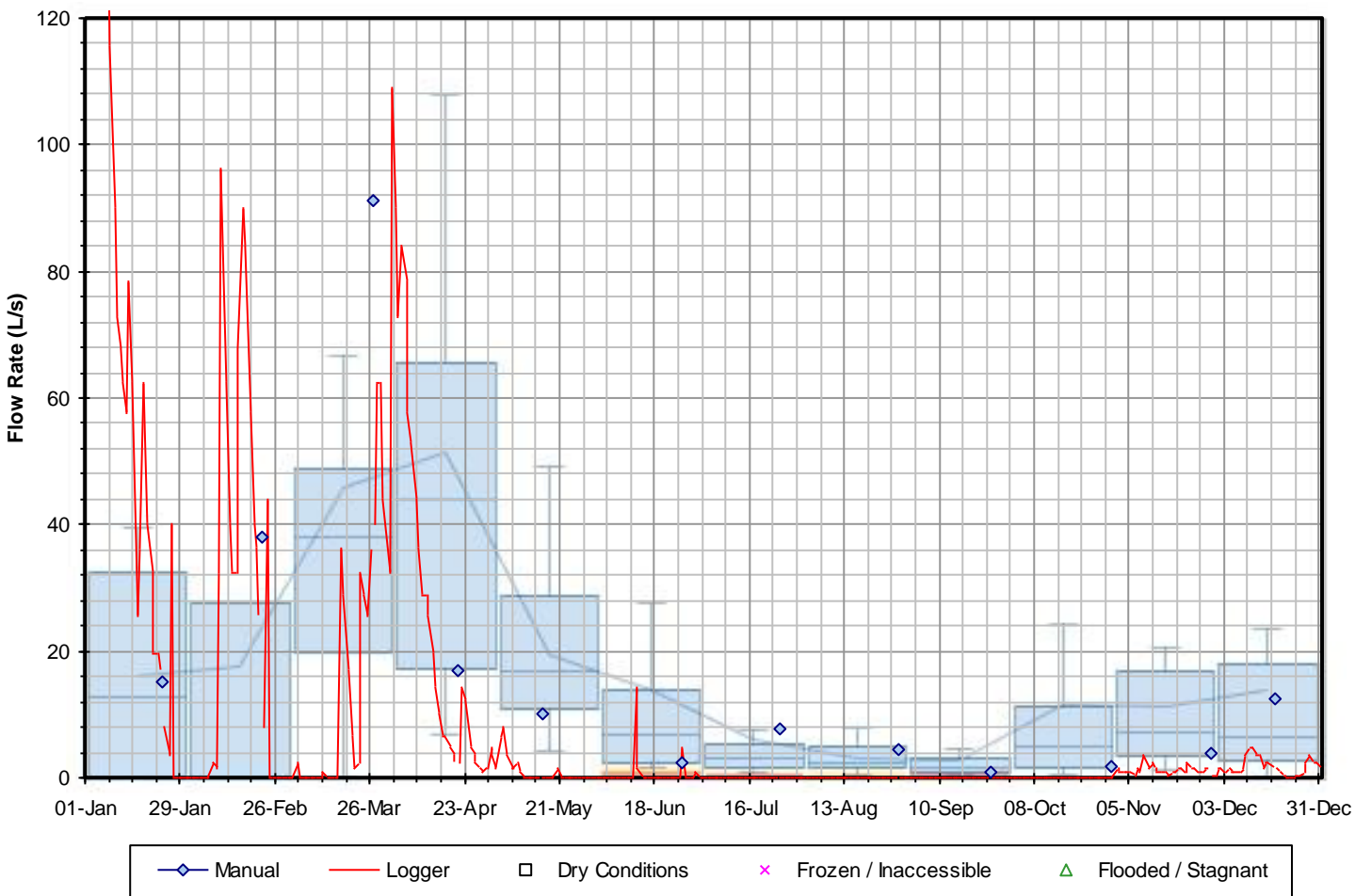
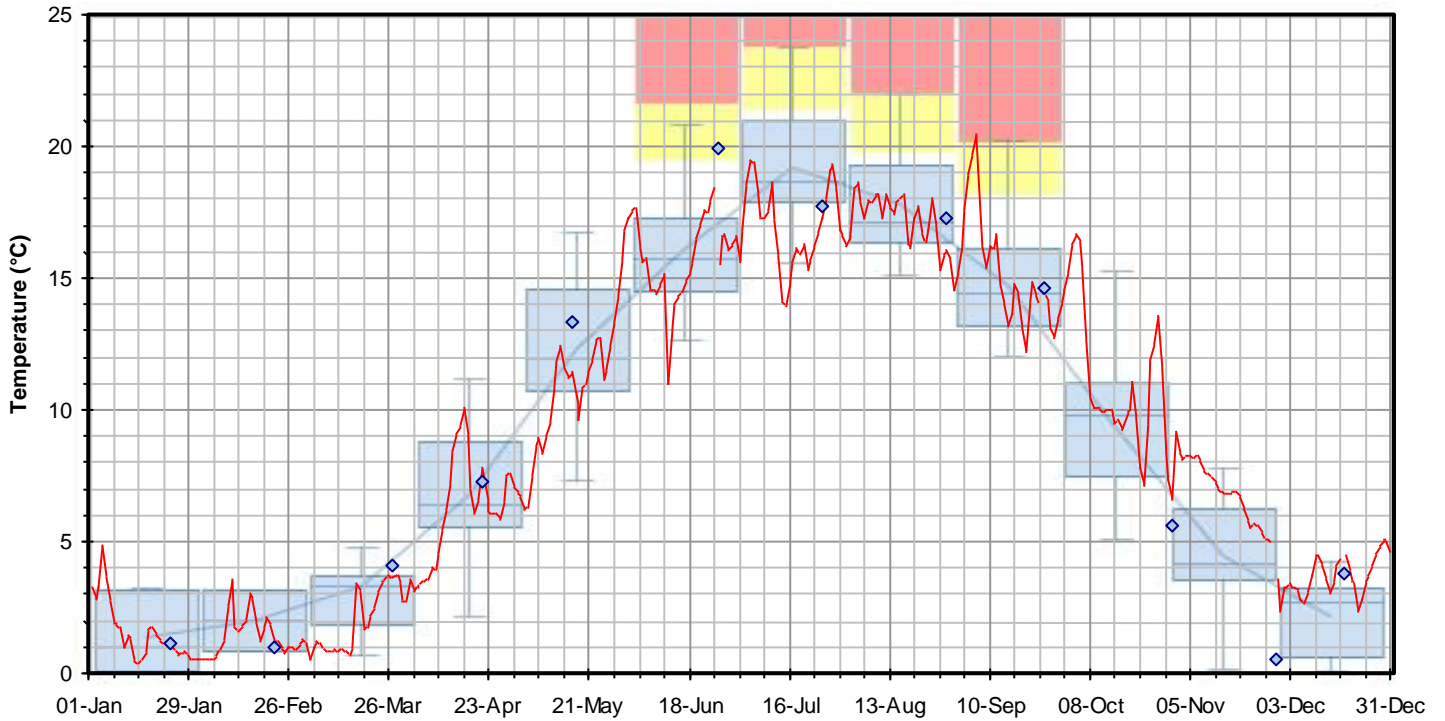


Figure F-10 2023 Surface Water PITM Results
SW15 - Batteaux Creek Downstream of Franks Pond

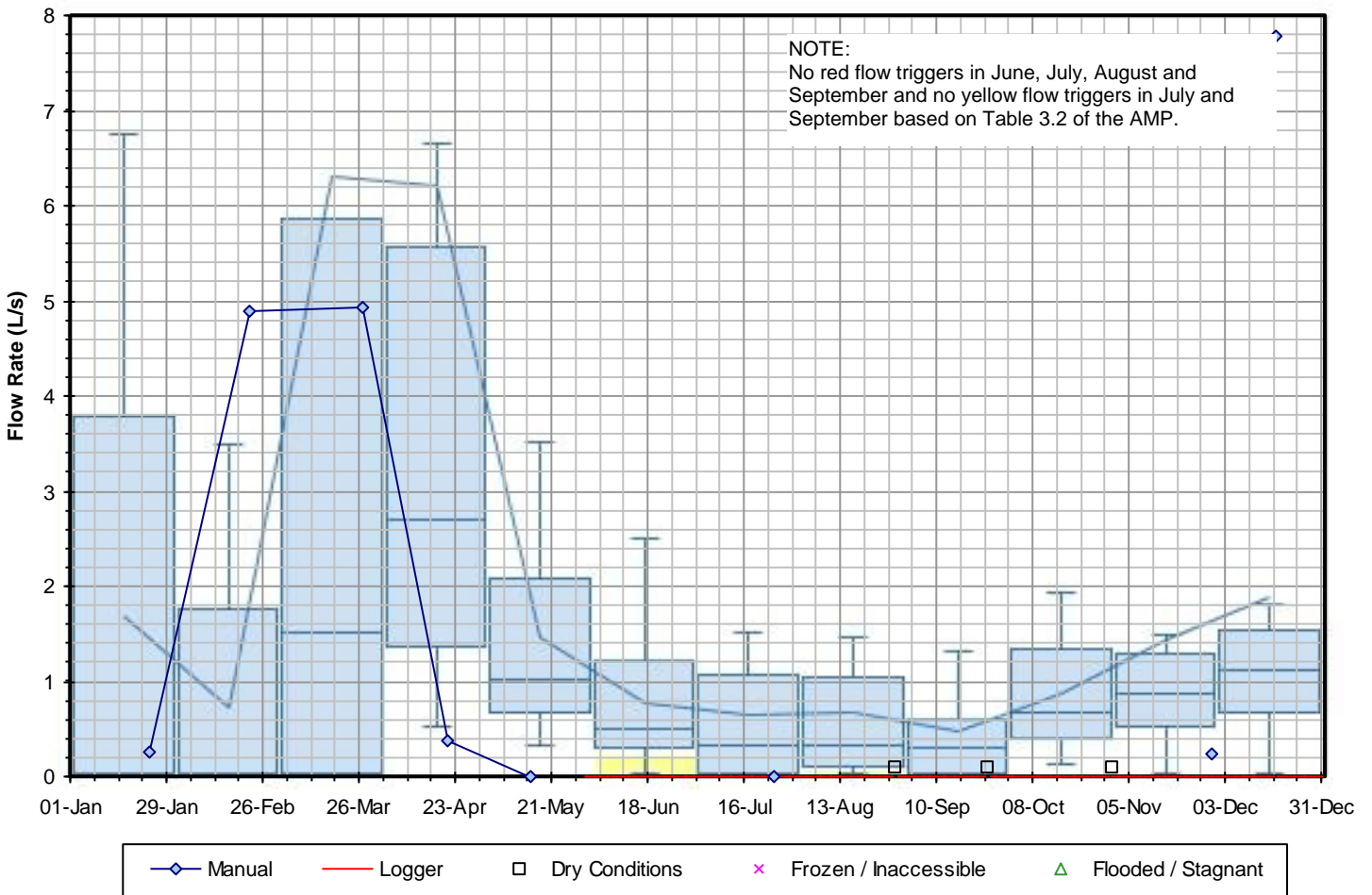
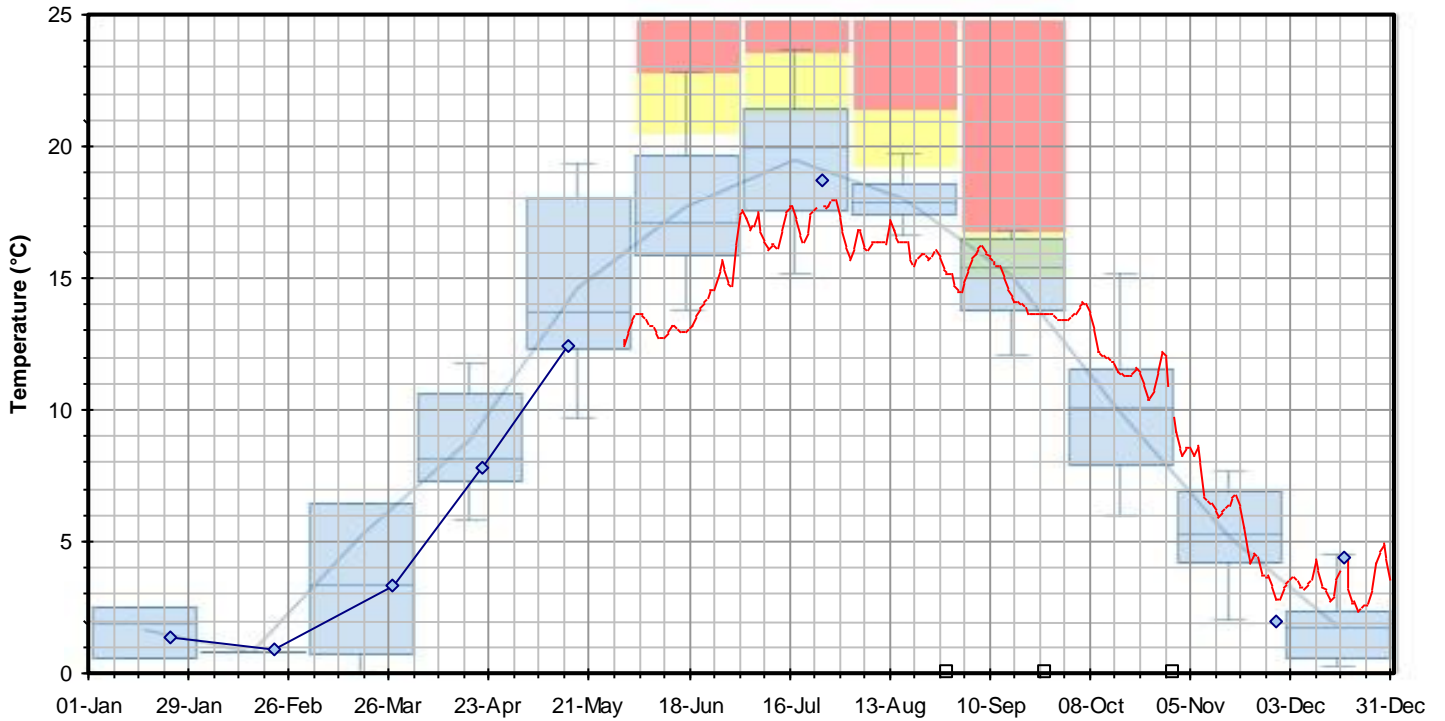


Figure F-11 2023 Surface Water PITM Results

SW16 - Pretty River Escarpment Seep

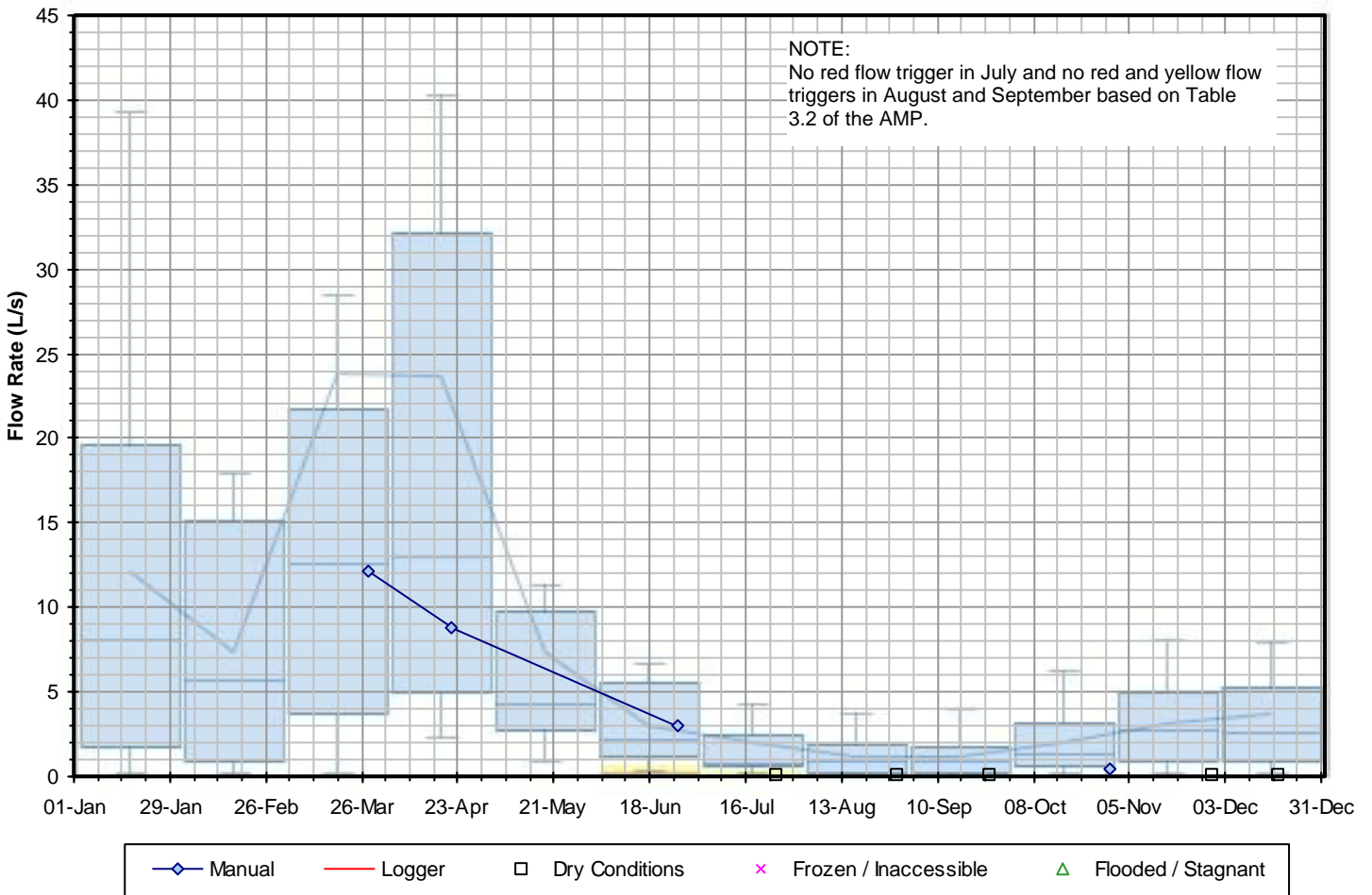
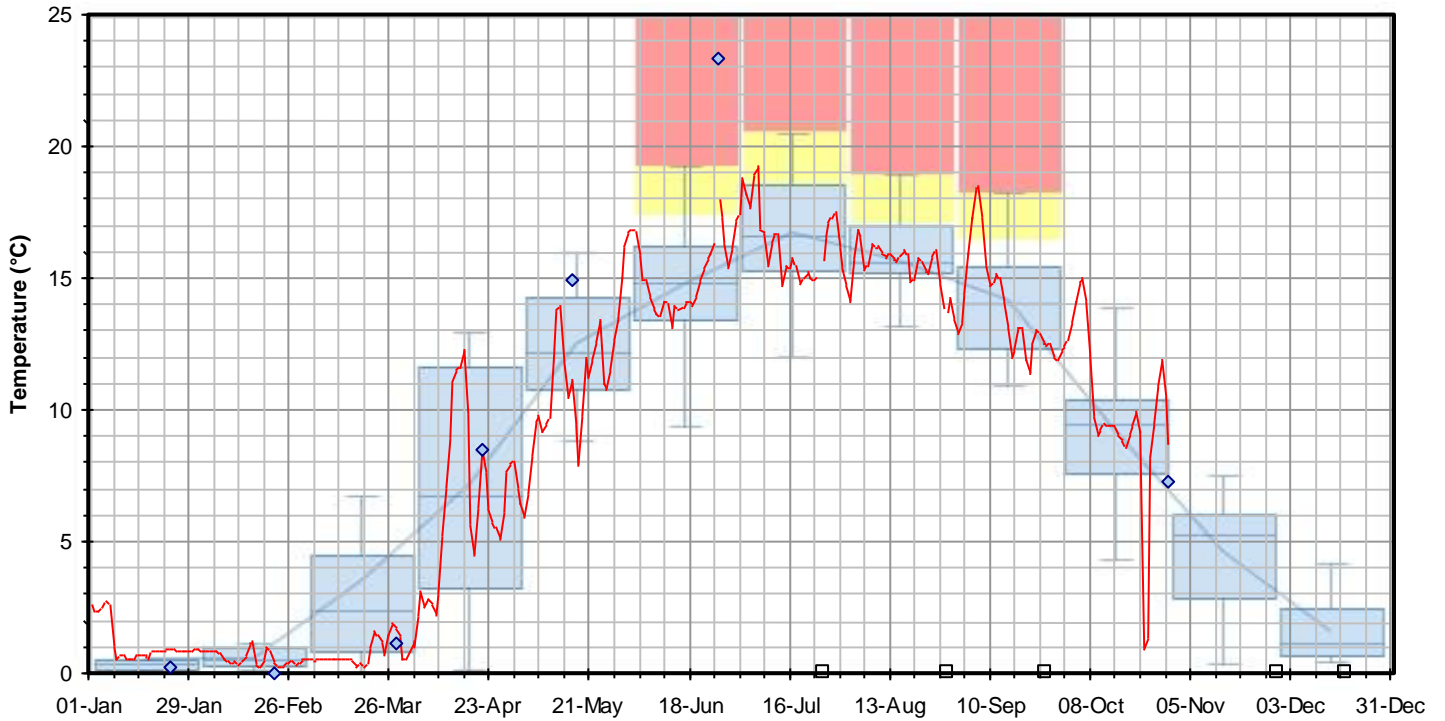
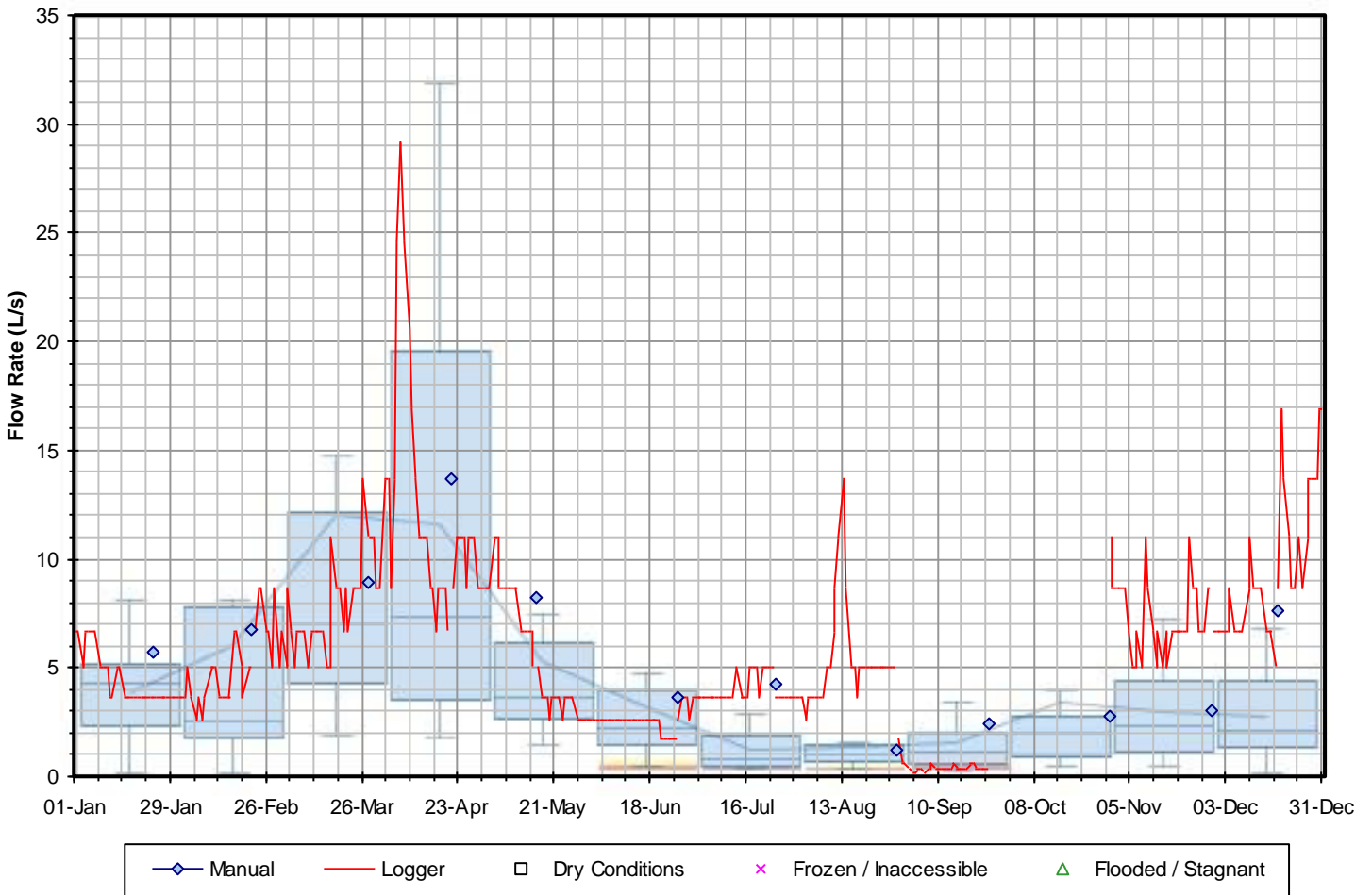
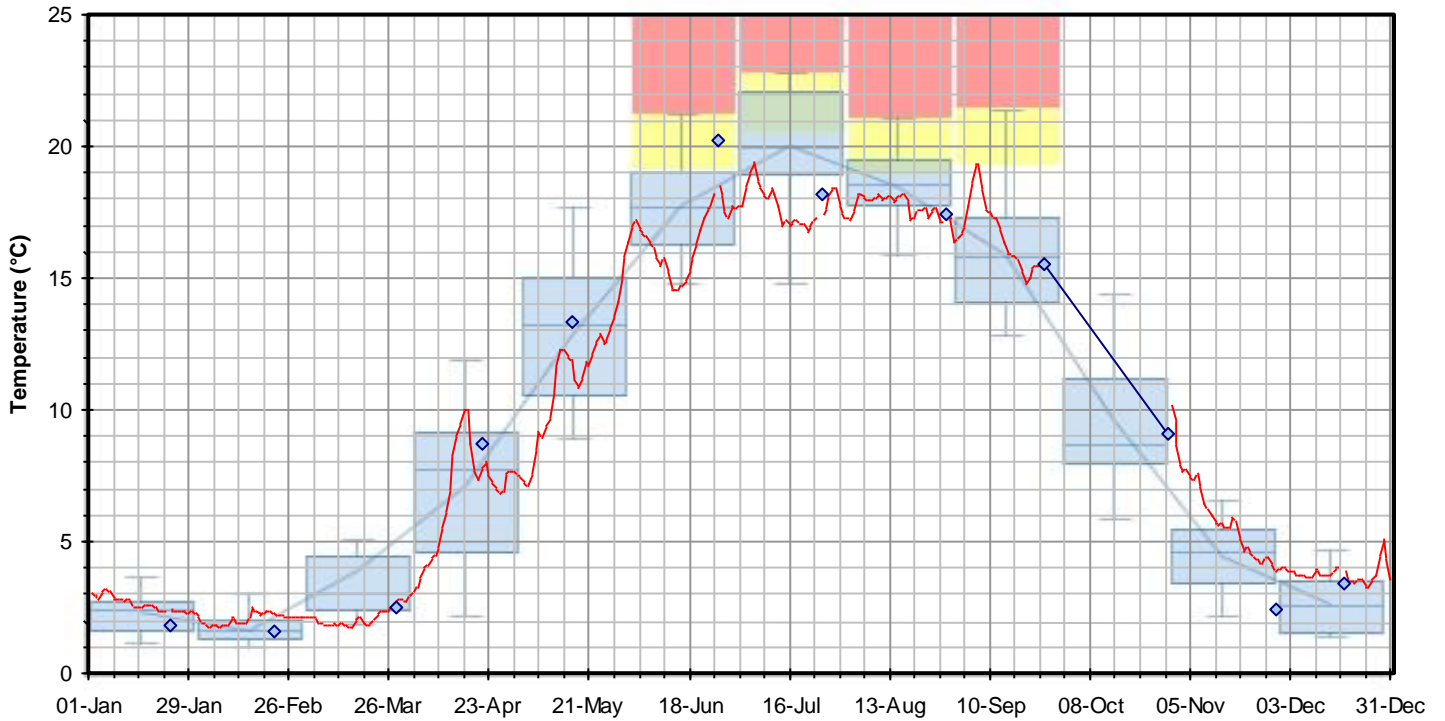


Figure F-12 2023 Surface Water PITM Results

SW17 - Sestito Pond Outlet



Manual
 Logger
 Dry Conditions
 Frozen / Inaccessible
 Flooded / Stagnant

Figure F-13 2023 Surface Water PITM Results

SW17A - Downstream of SW17

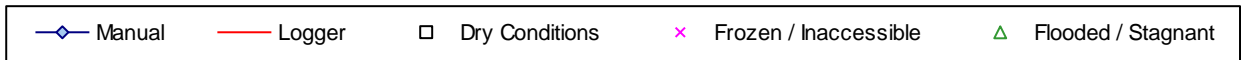
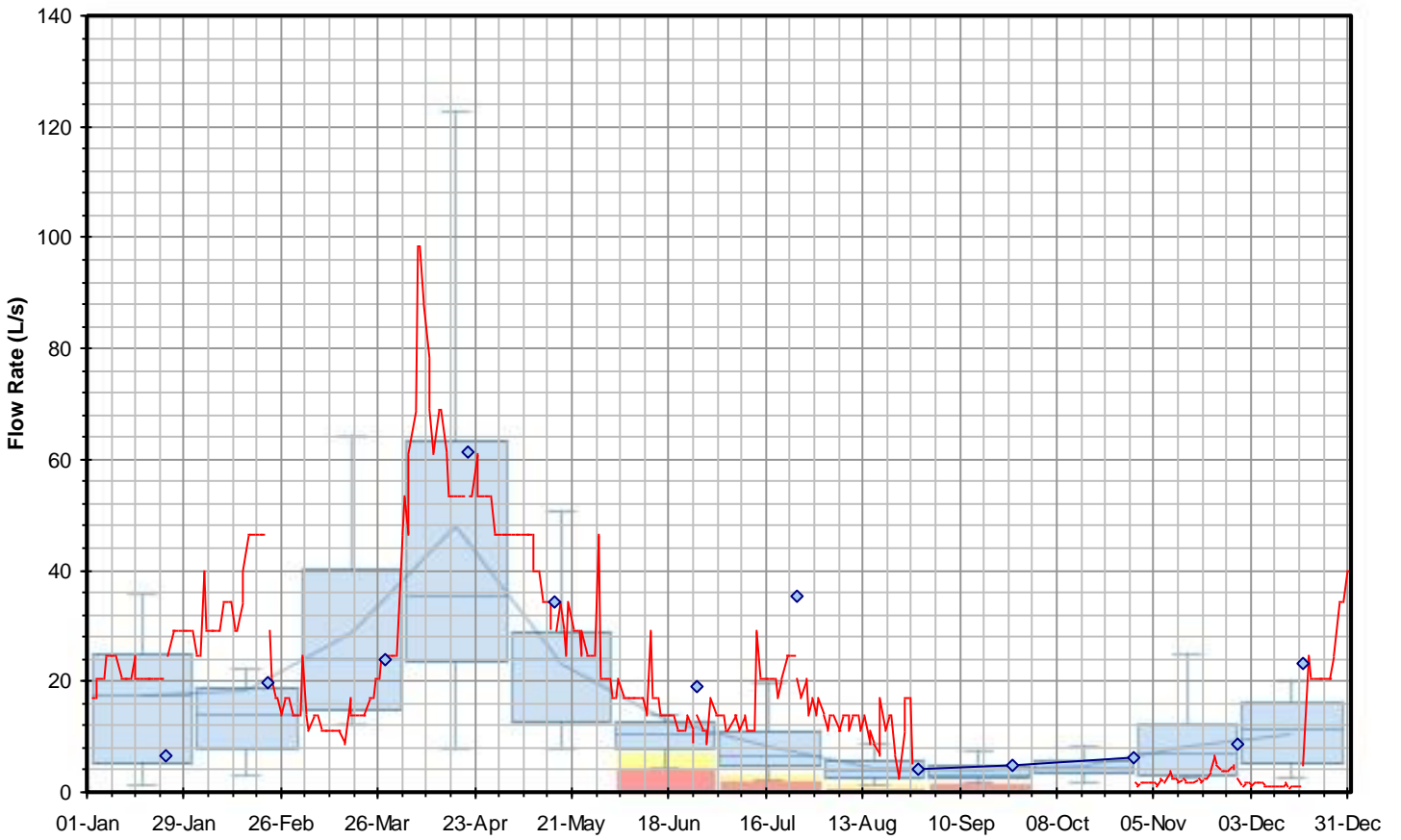
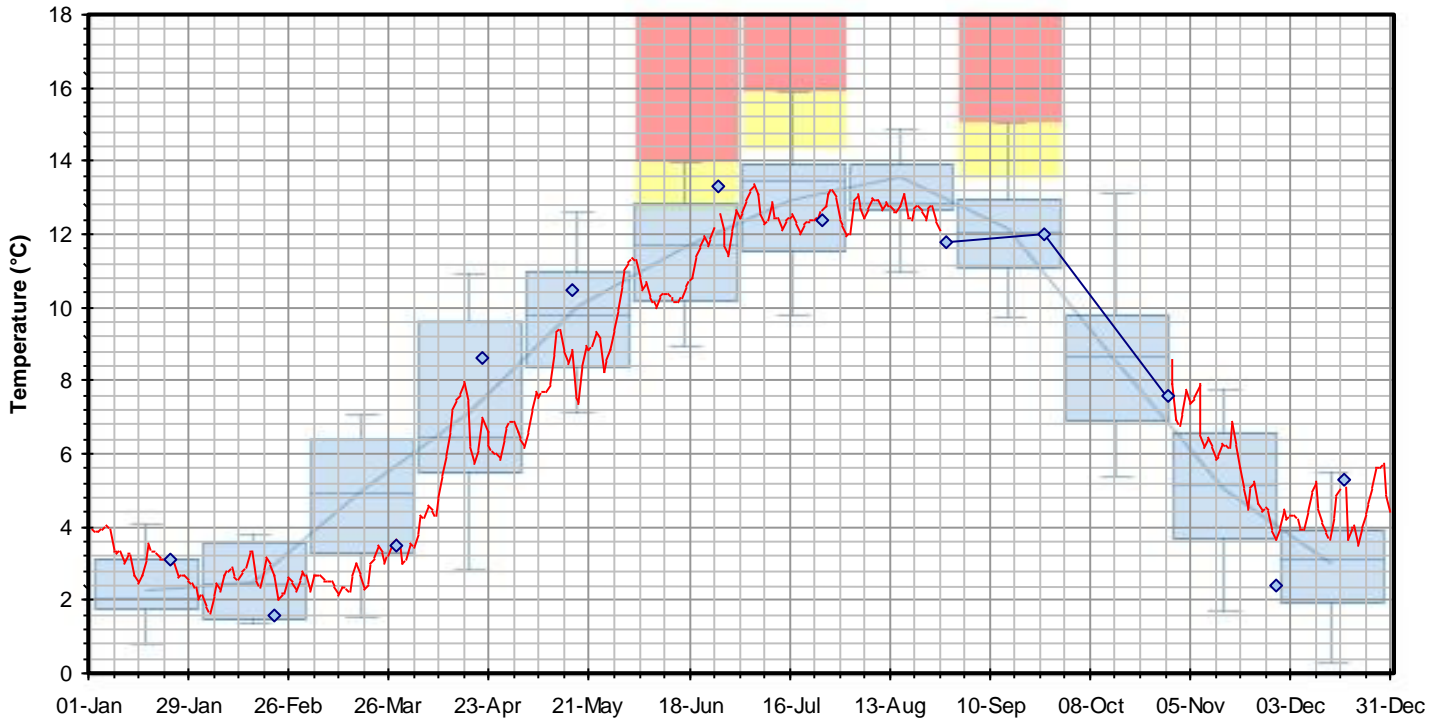


Figure F-14 2023 Surface Water PITM Results

SW18 - Pretty River at Concession 10

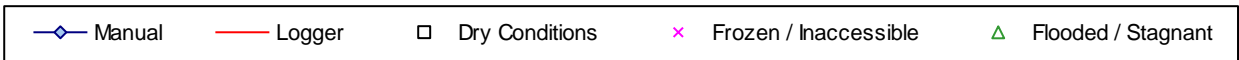
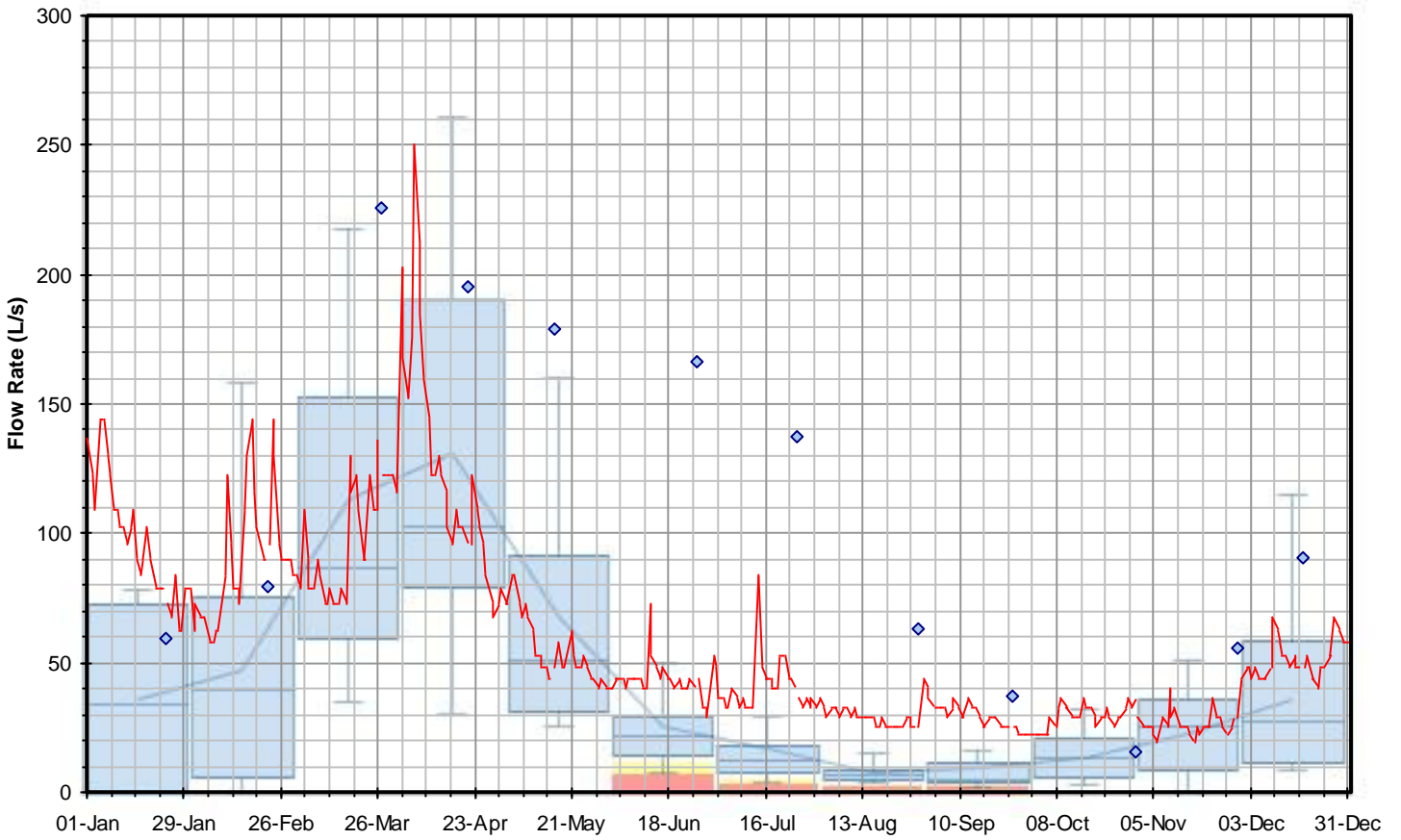
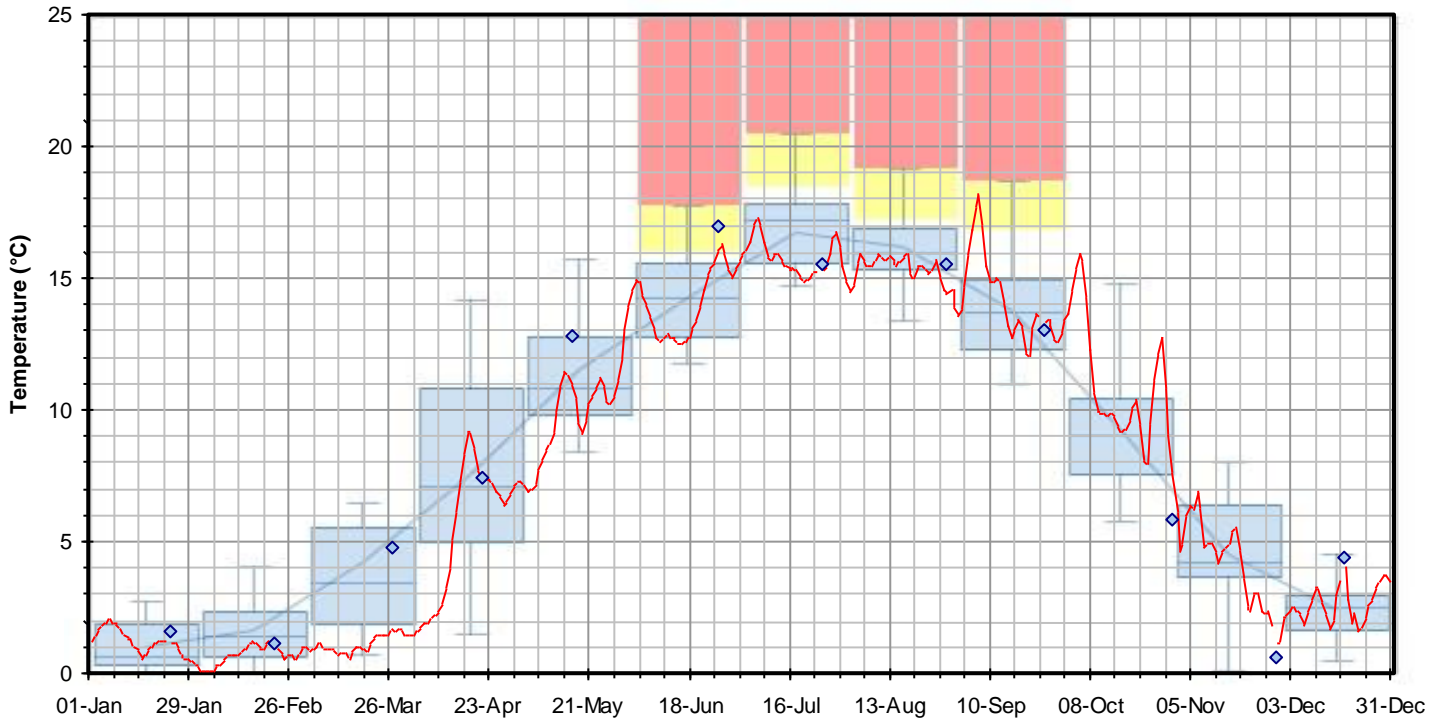


Figure F-15 2023 Surface Water PITM Results

SW21C - Upstream of SW21B

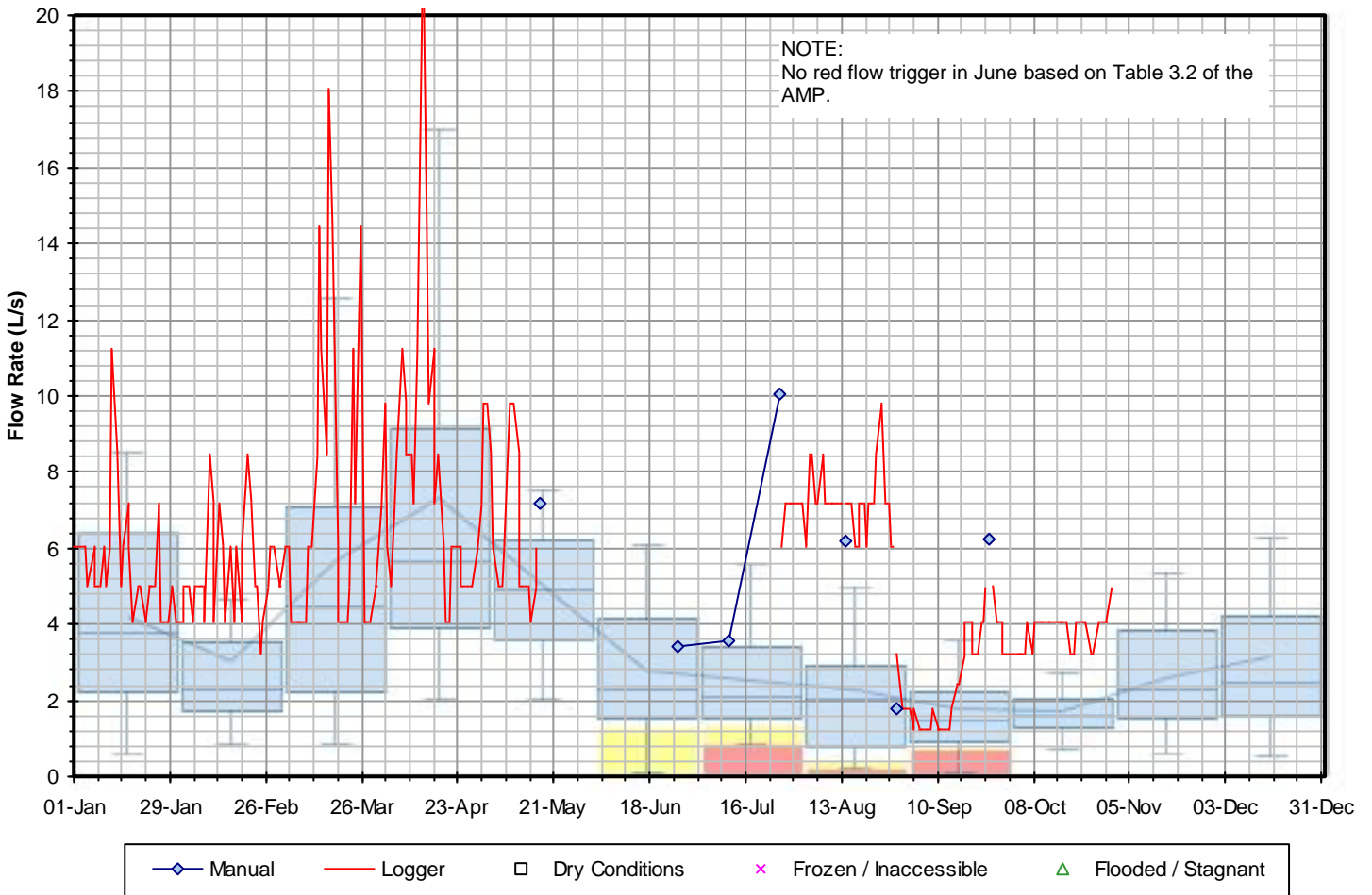
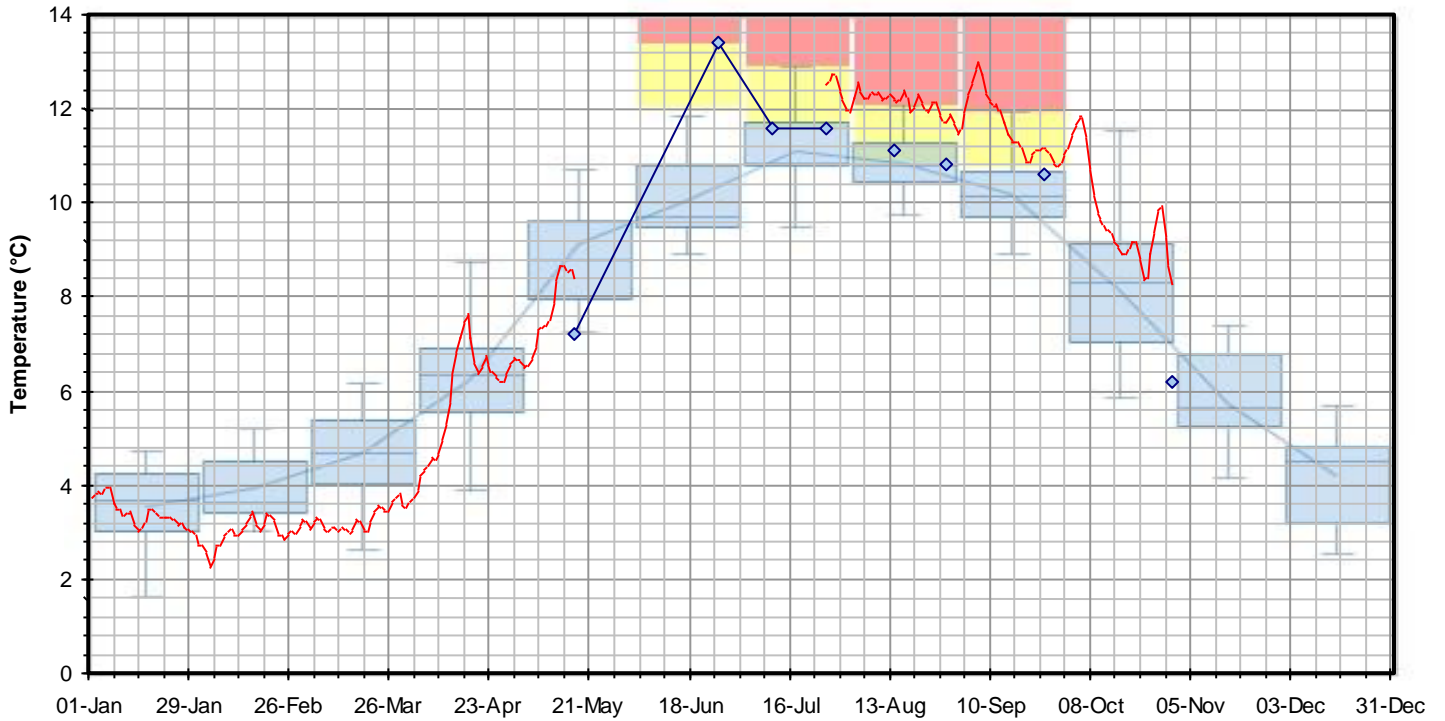


Figure F-16 2023 Surface Water PITM Results
SW24A - Escarpment Seep on Sestito Property

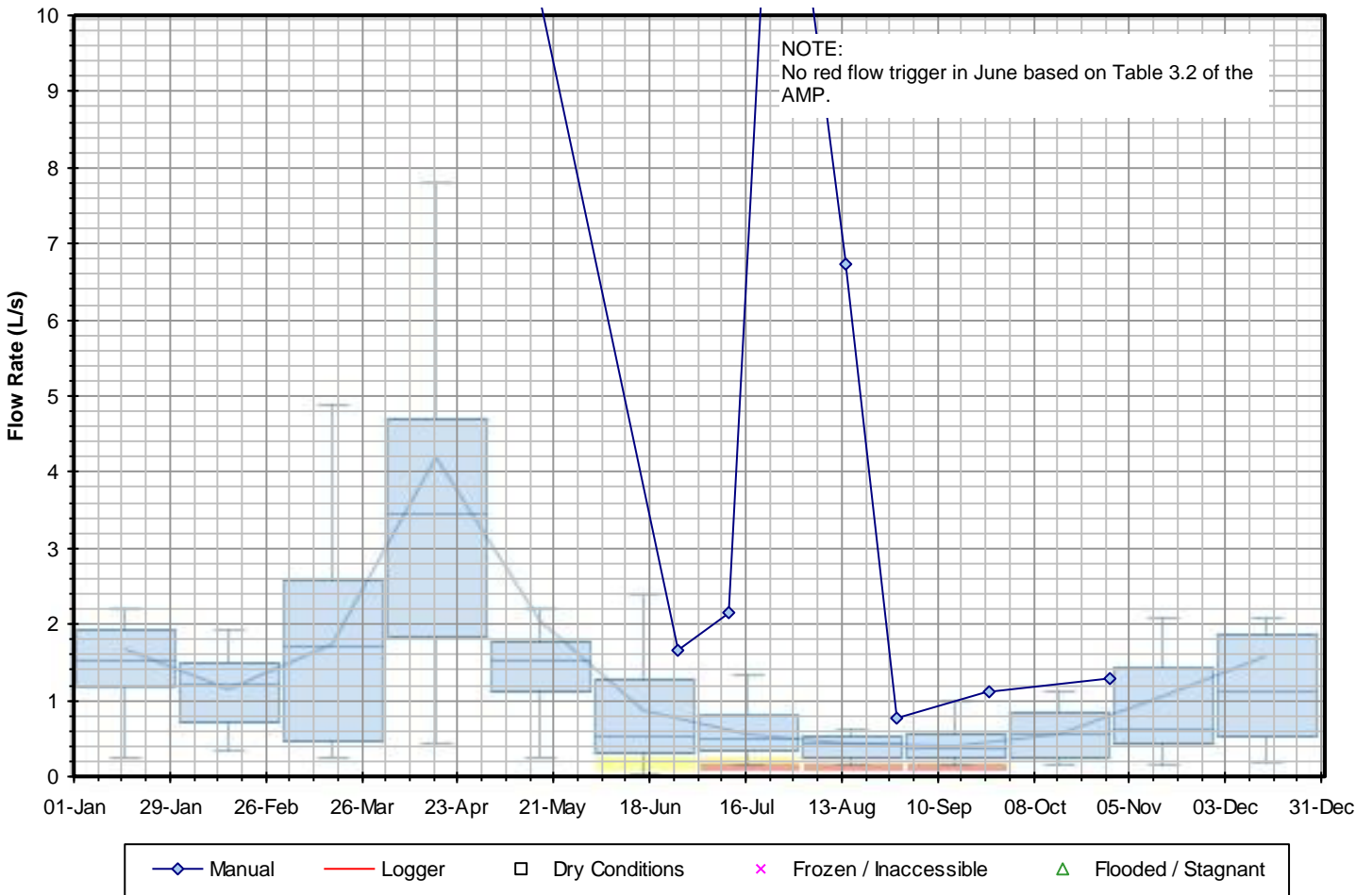
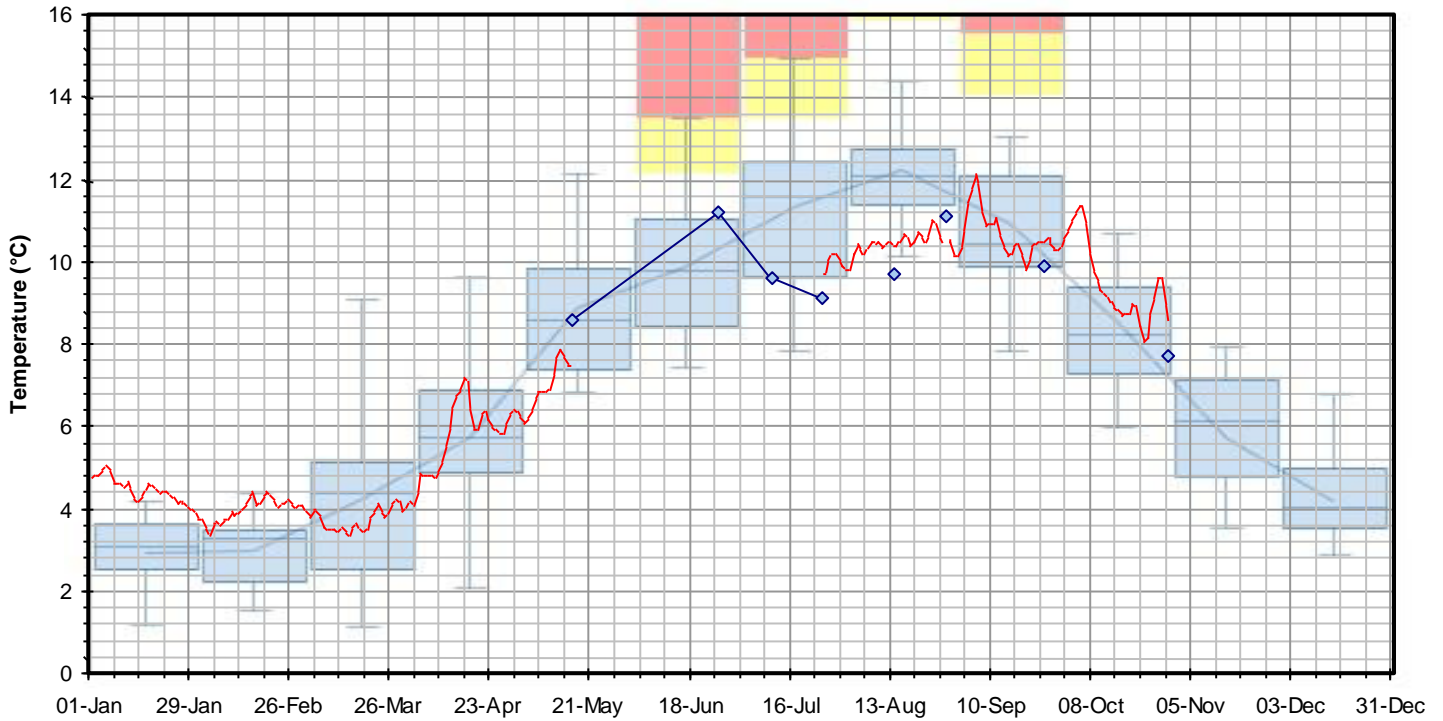
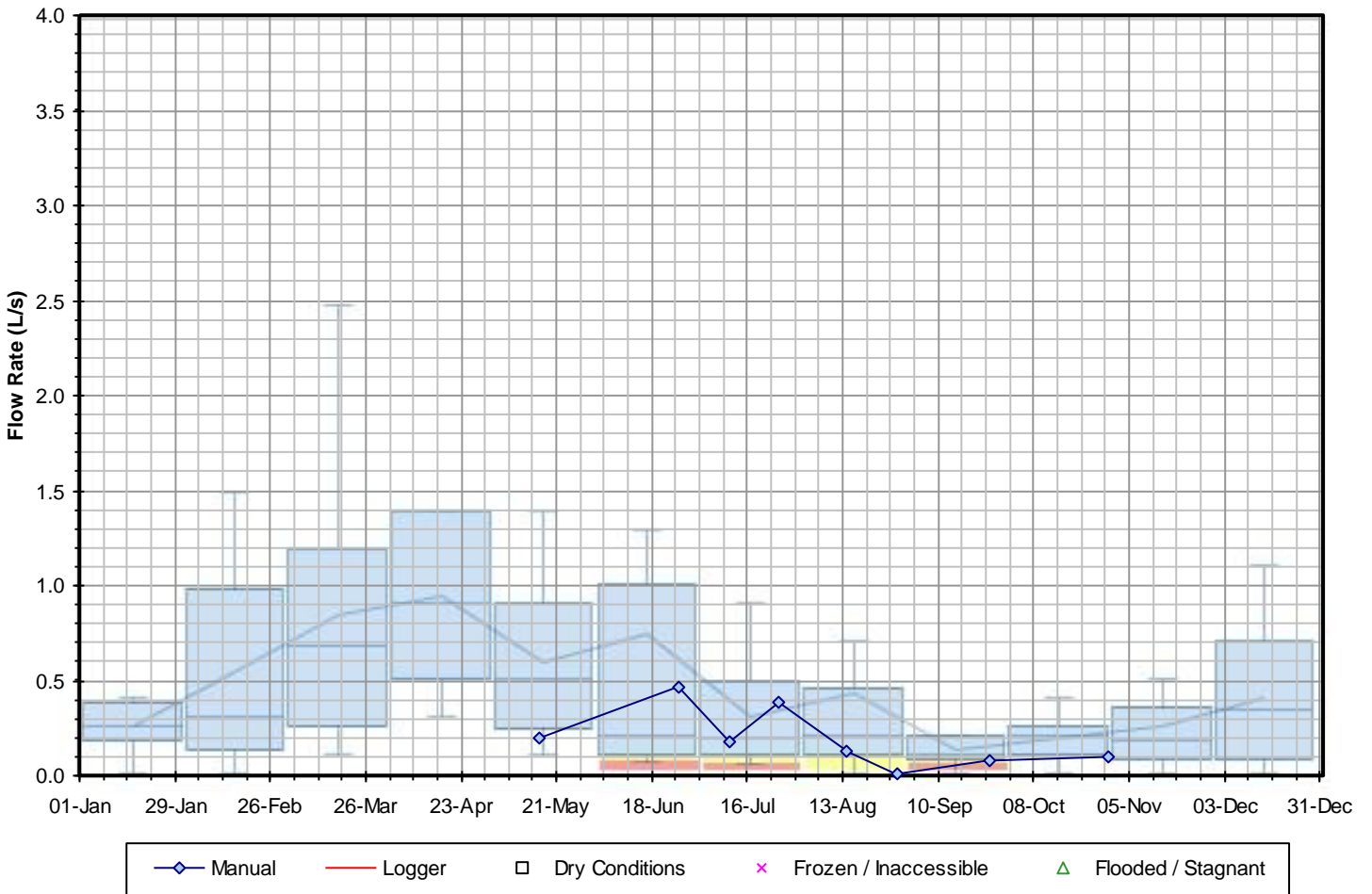
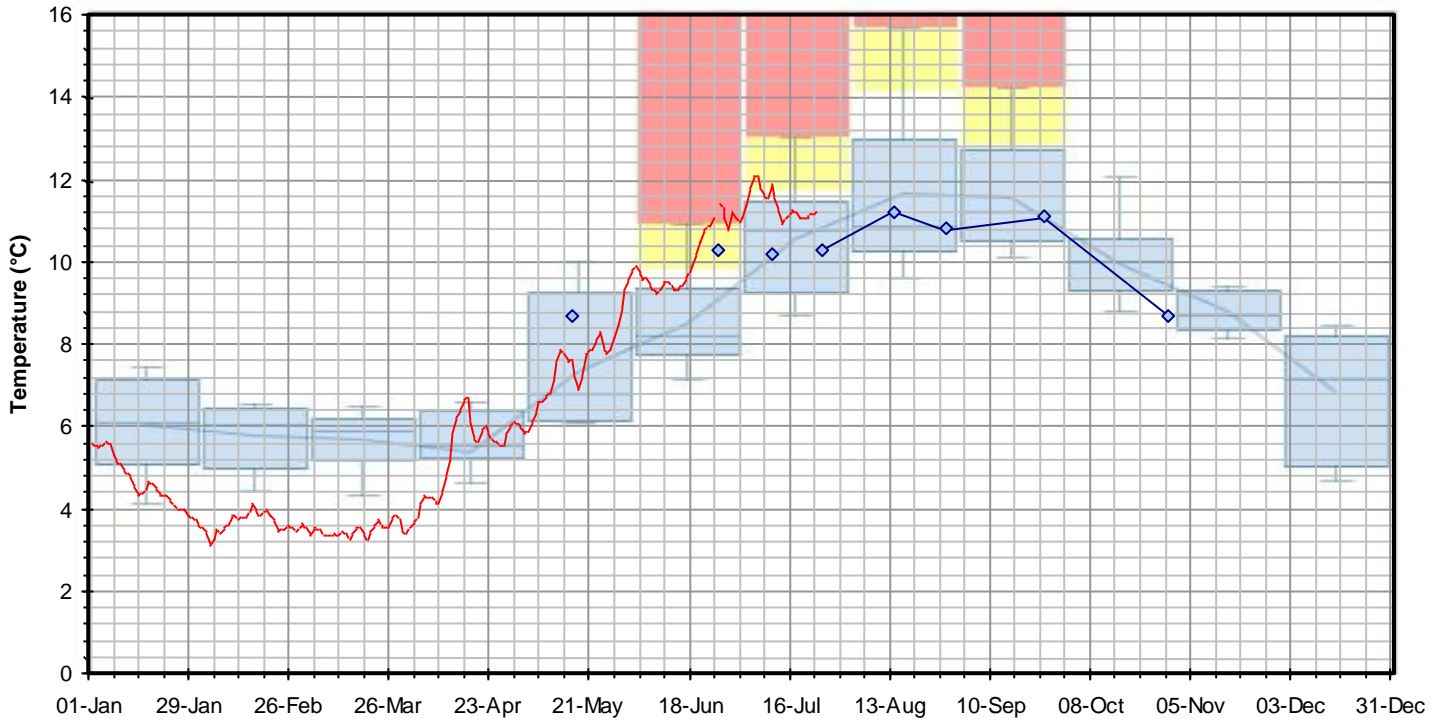


Figure F-17 2023 Surface Water PITM Results

SW77 - Escarpment Seep to Pretty River



◆ Manual
 — Logger
 □ Dry Conditions
 × Frozen / Inaccessible
 △ Flooded / Stagnant

Figure F-18 2023 Surface Water PITM Results
Pretty River Control

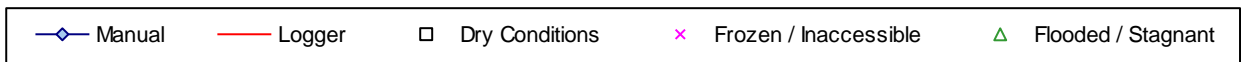
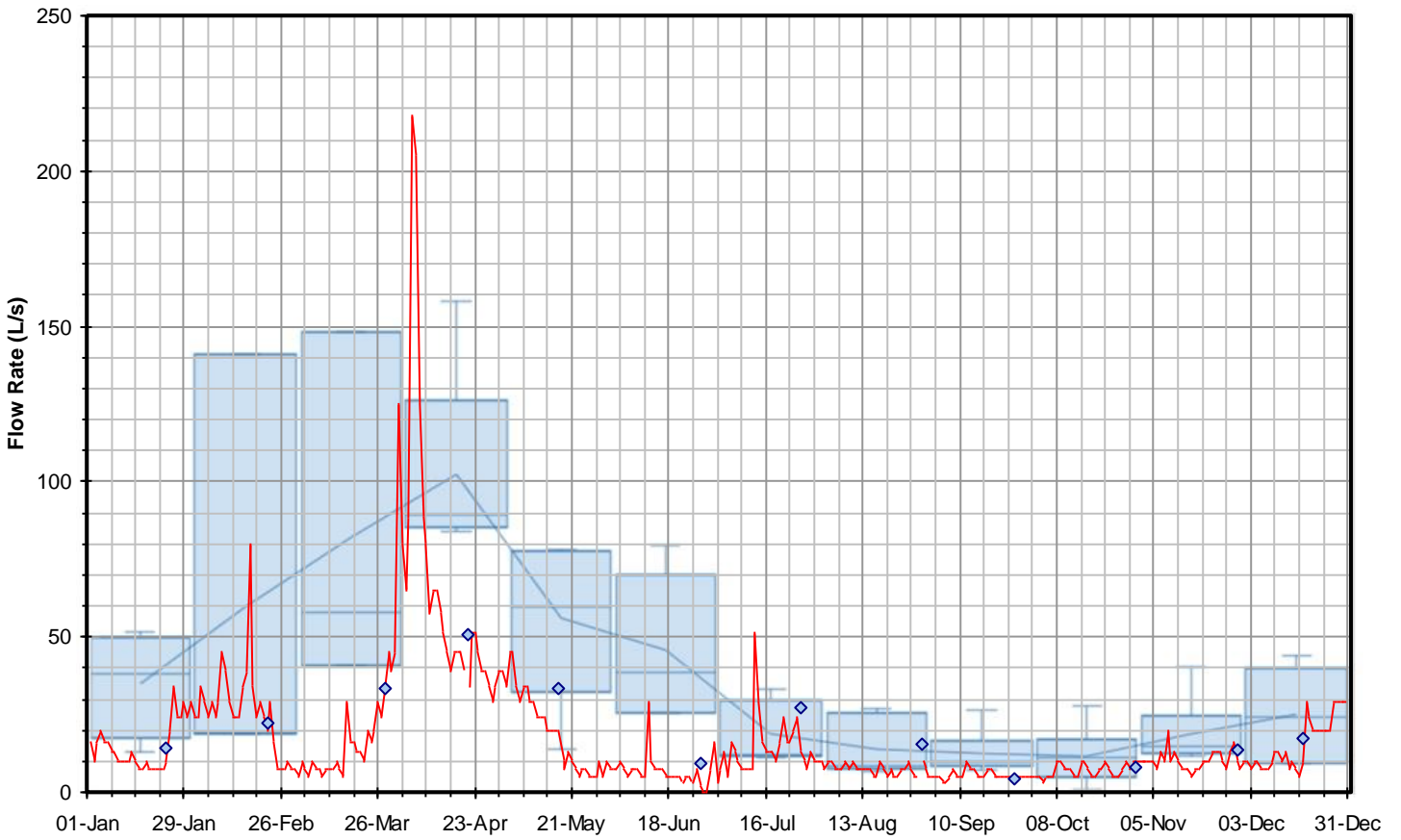
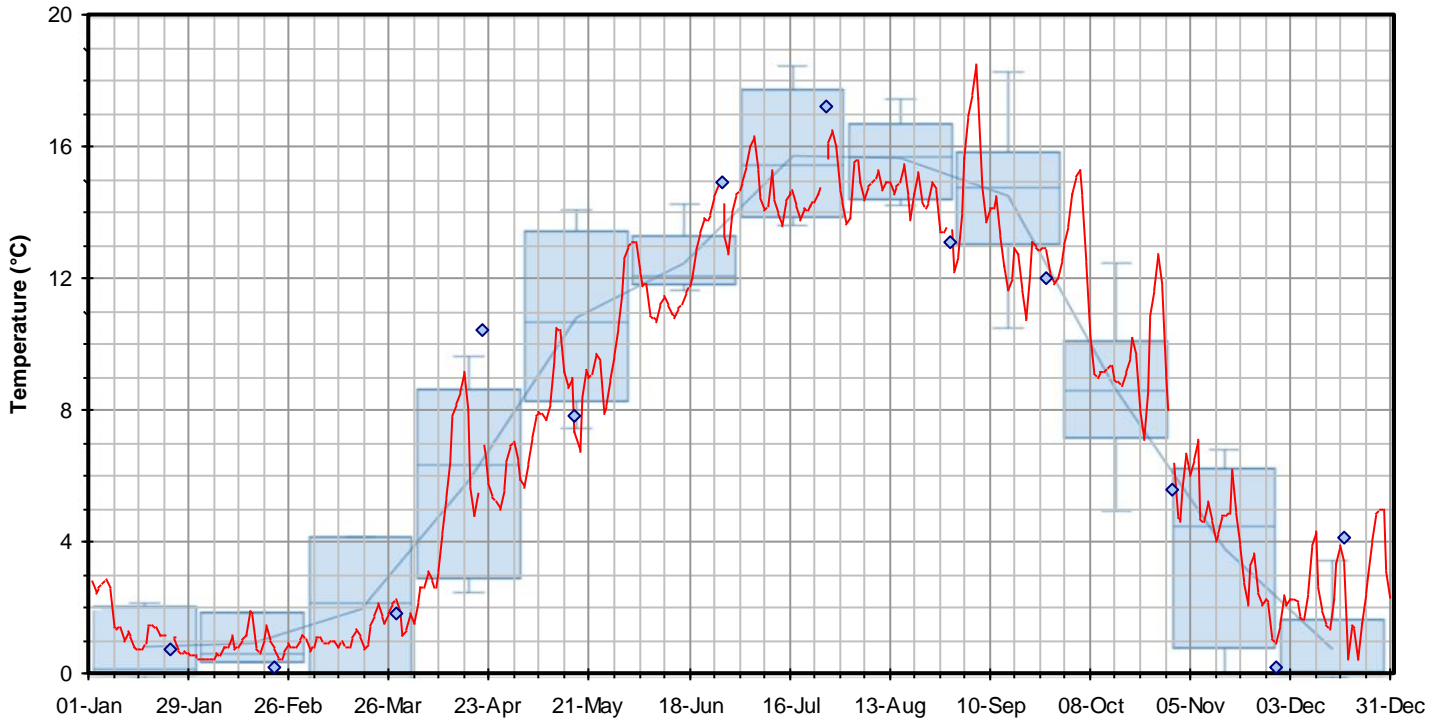
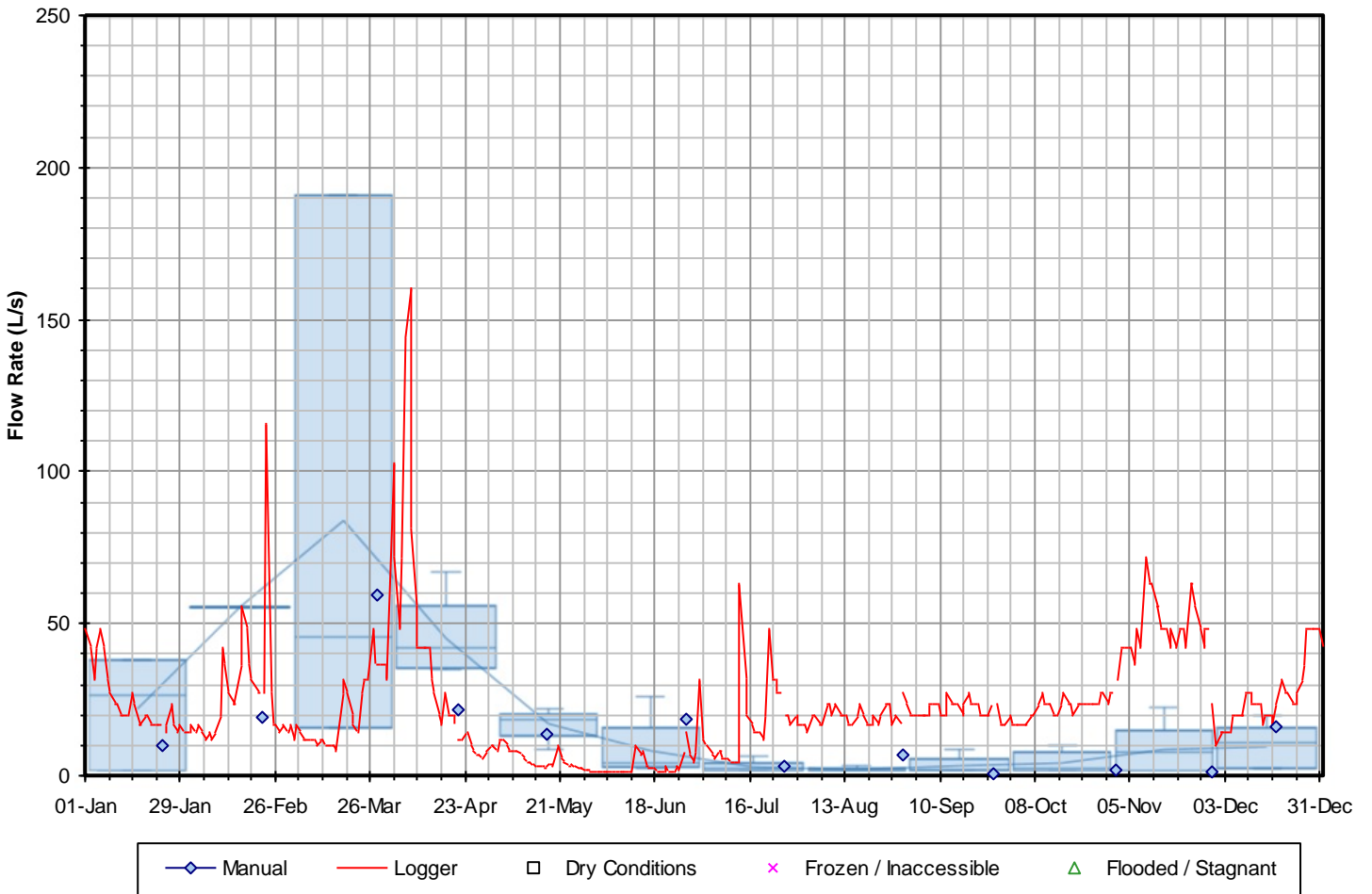
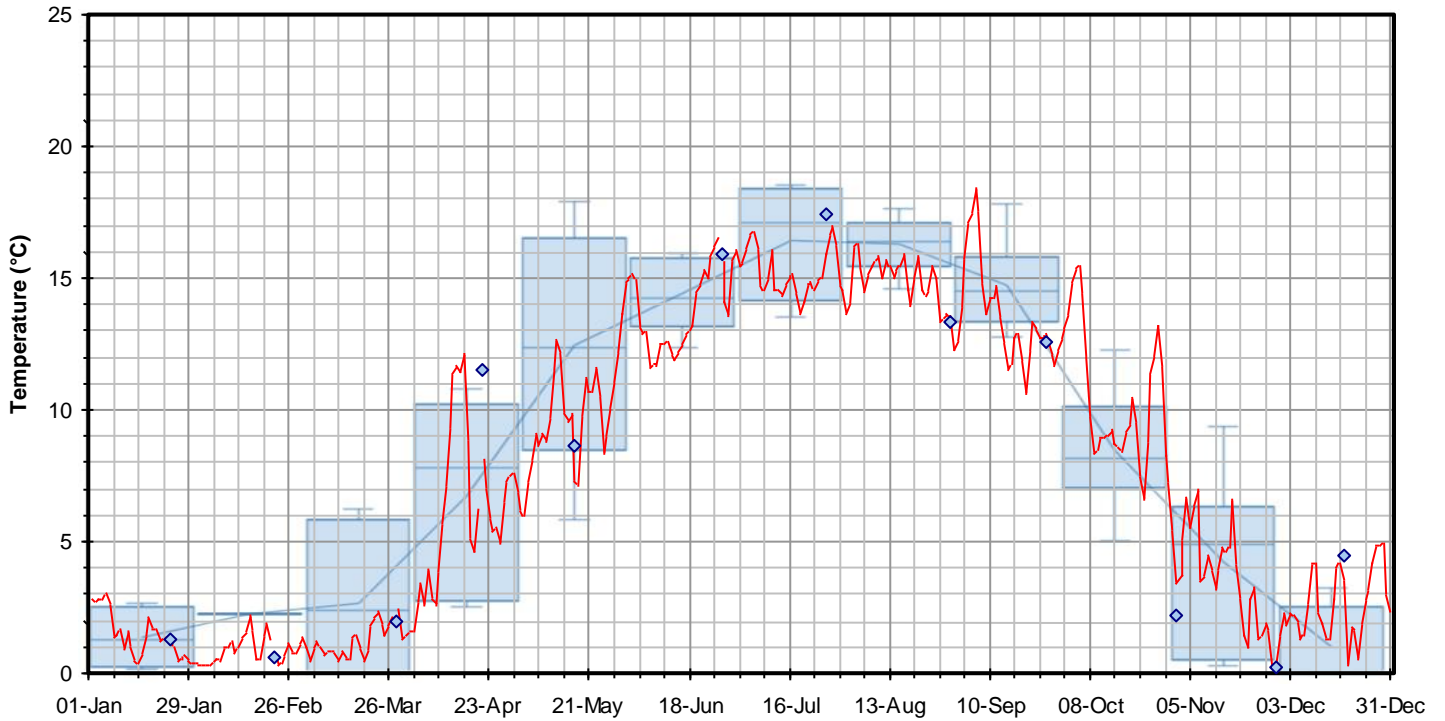


Figure F-19 2023 Surface Water PITM Results
Batteaux Creek Control



◆ Manual
 — Logger
 □ Dry Conditions
 × Frozen / Inaccessible
 ▲ Flooded / Stagnant

Figure F-20 2023 Groundwater / Surface Water PITM Results

DP2 - Rob Roy Swamp 6 Northeast Portion

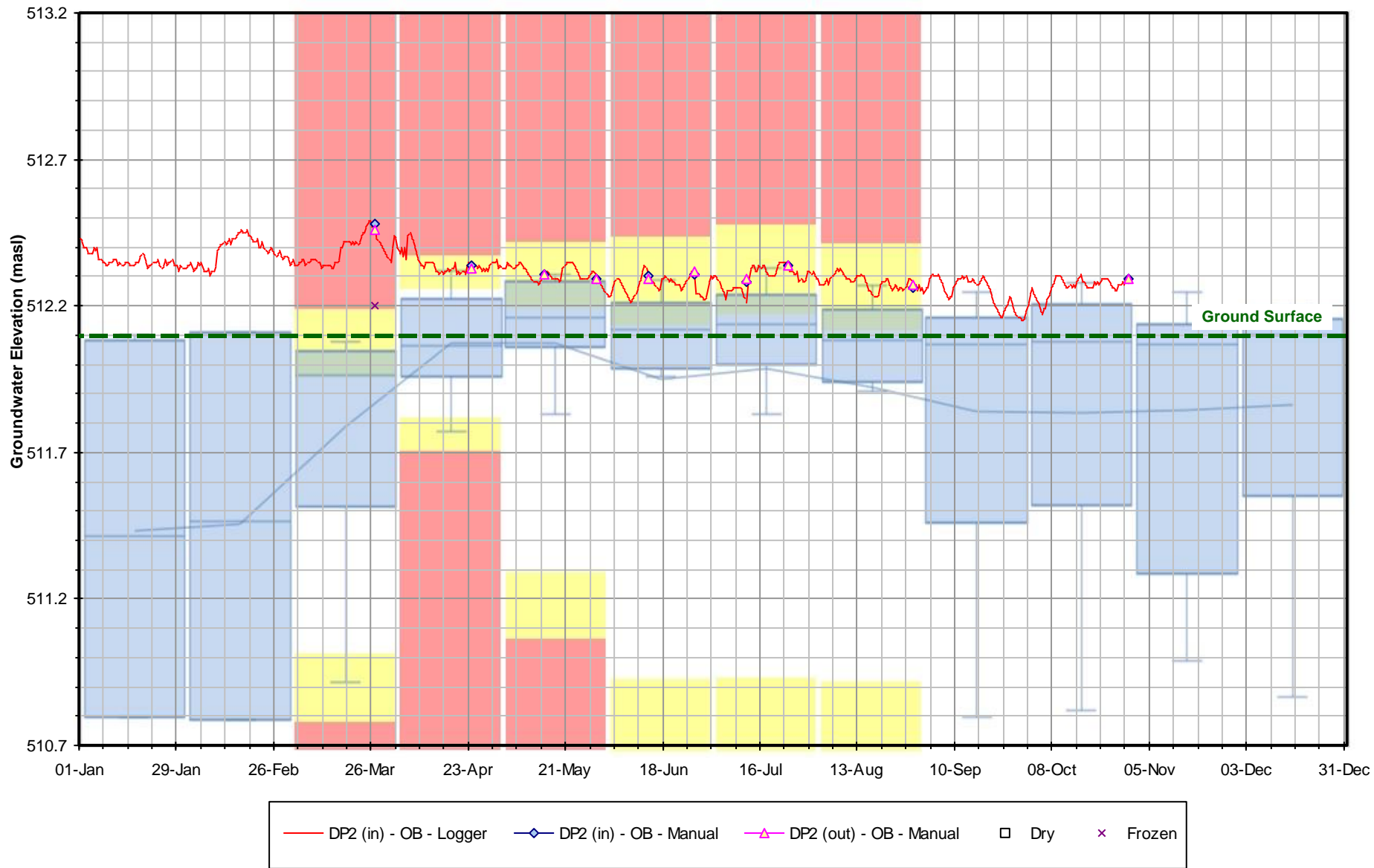


Figure F-21 2023 Groundwater / Surface Water PITM Results

DP4 - Rob Roy Swamp 6 West of Clearview Townline

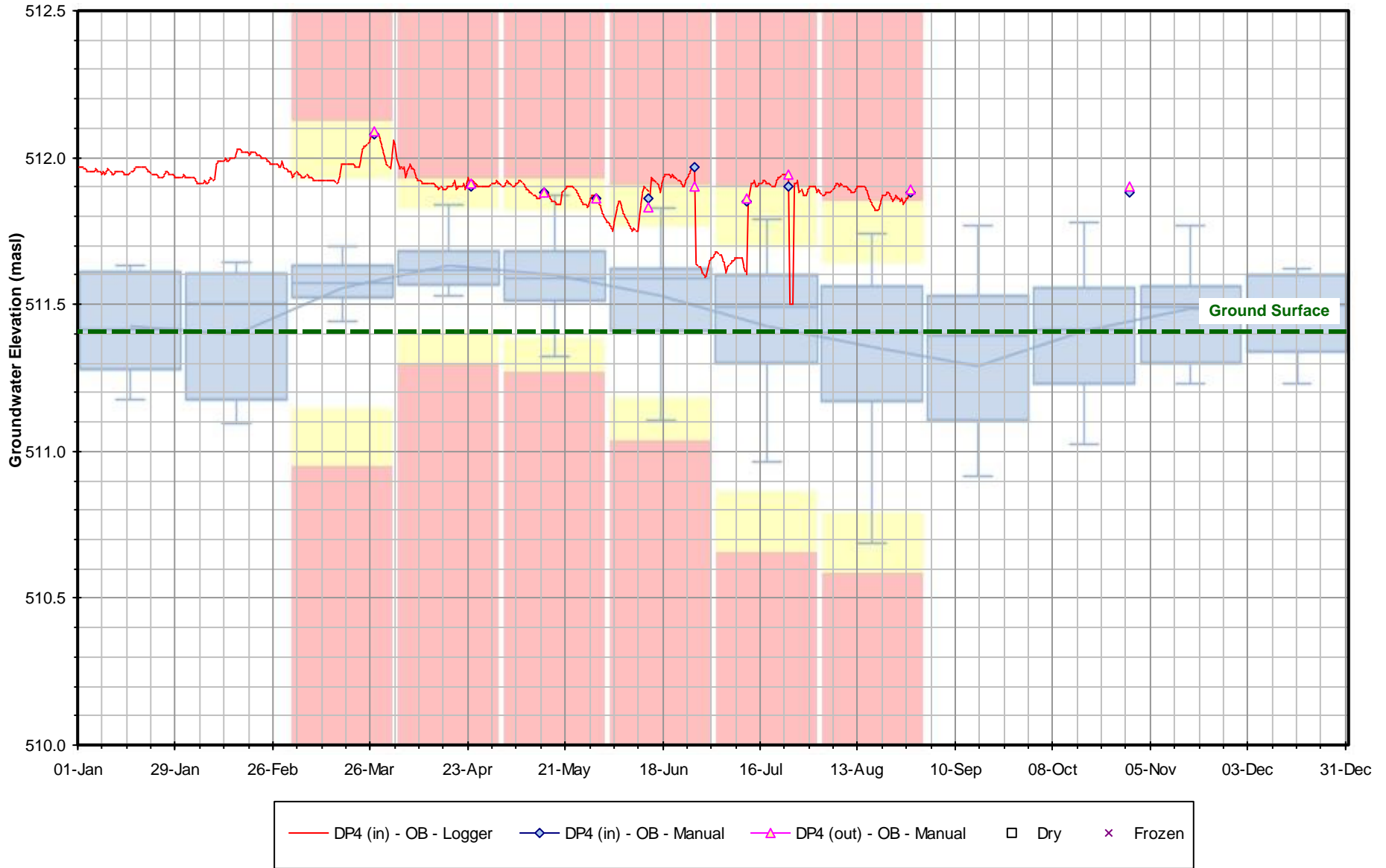


Figure F-22 2023 Groundwater / Surface Water PITM Results

DP5 - Rob Roy Swamp 2 Vernal Pool

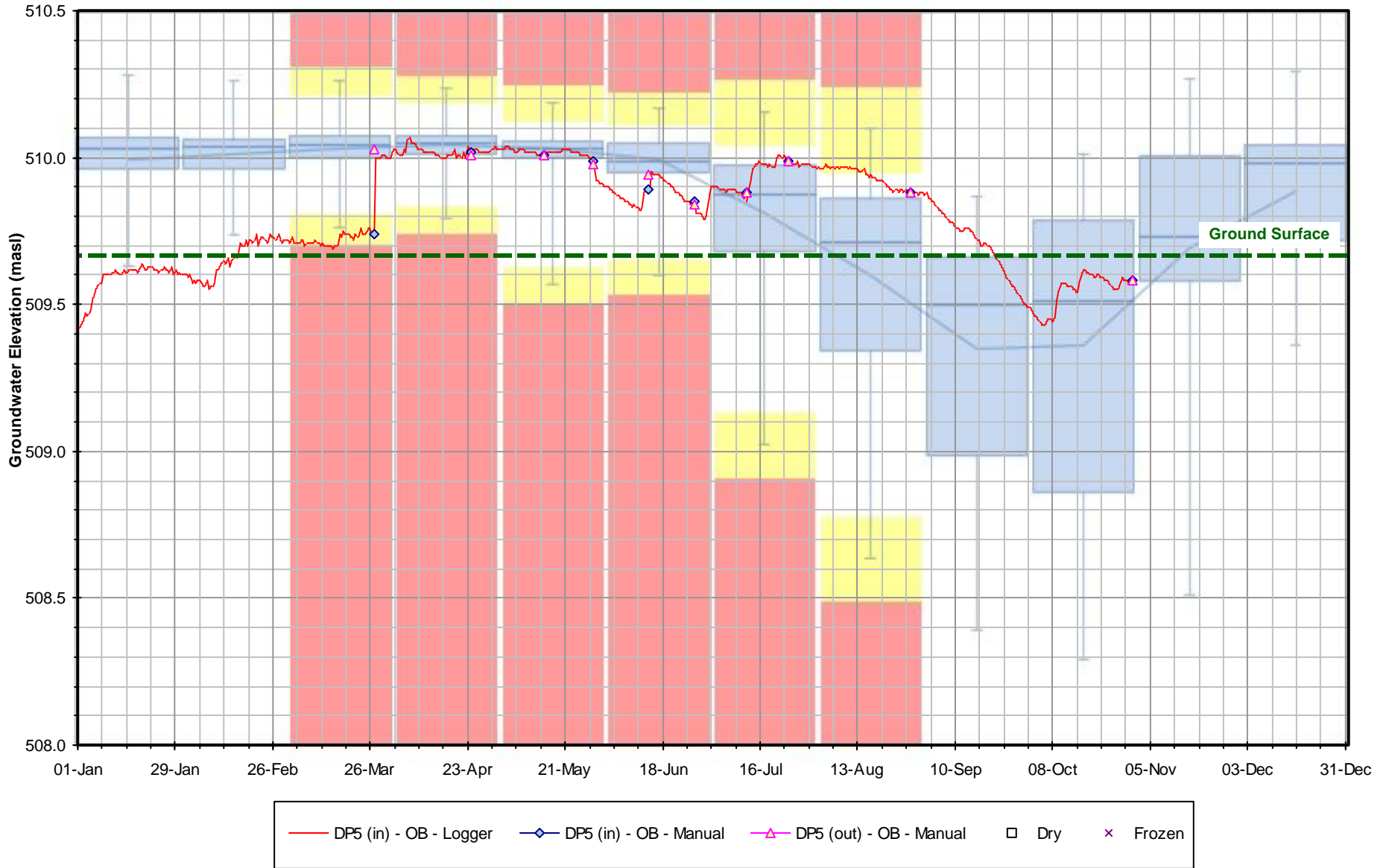


Figure F-23 2023 Groundwater / Surface Water PITM Results

DP6 - ANSI Wetland A Vernal Pool

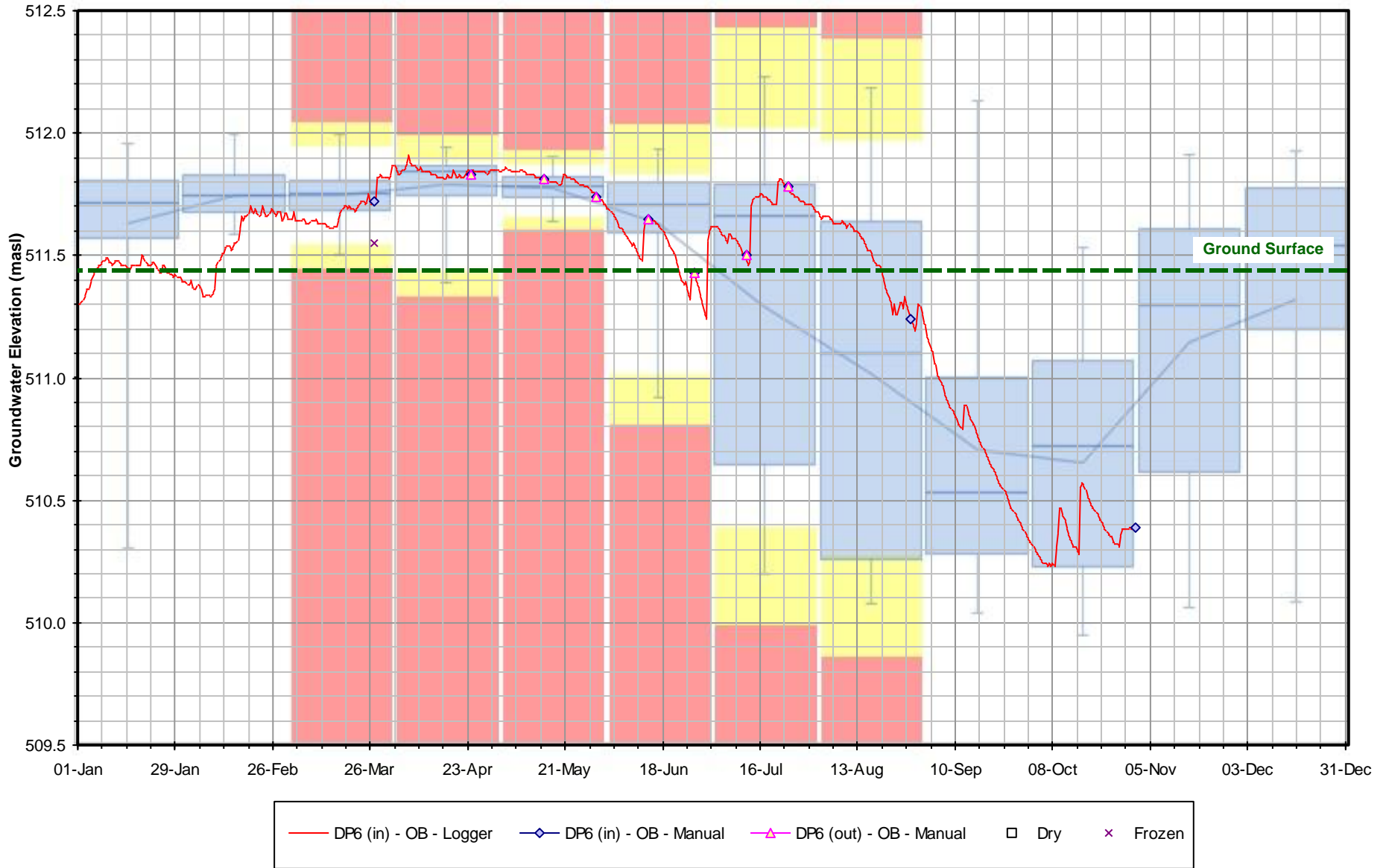


Figure F-24 2023 Groundwater / Surface Water PITM Results

DP7 - Rob Roy Swamp 2 Vernal Pool

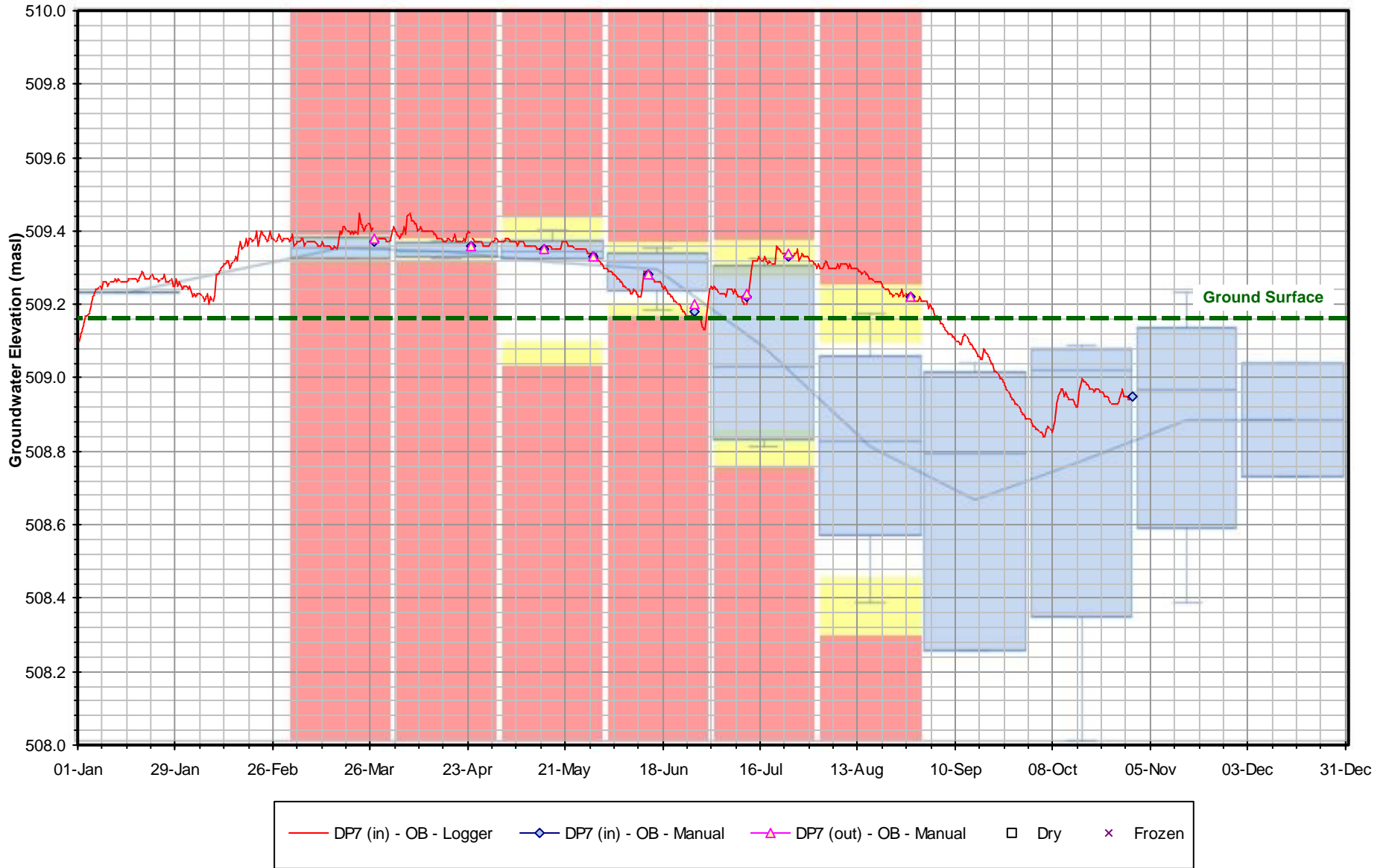


Figure F-25 2023 Groundwater / Surface Water PITM Results

DP8 - Rob Roy Swamp 6 Northwest Portion

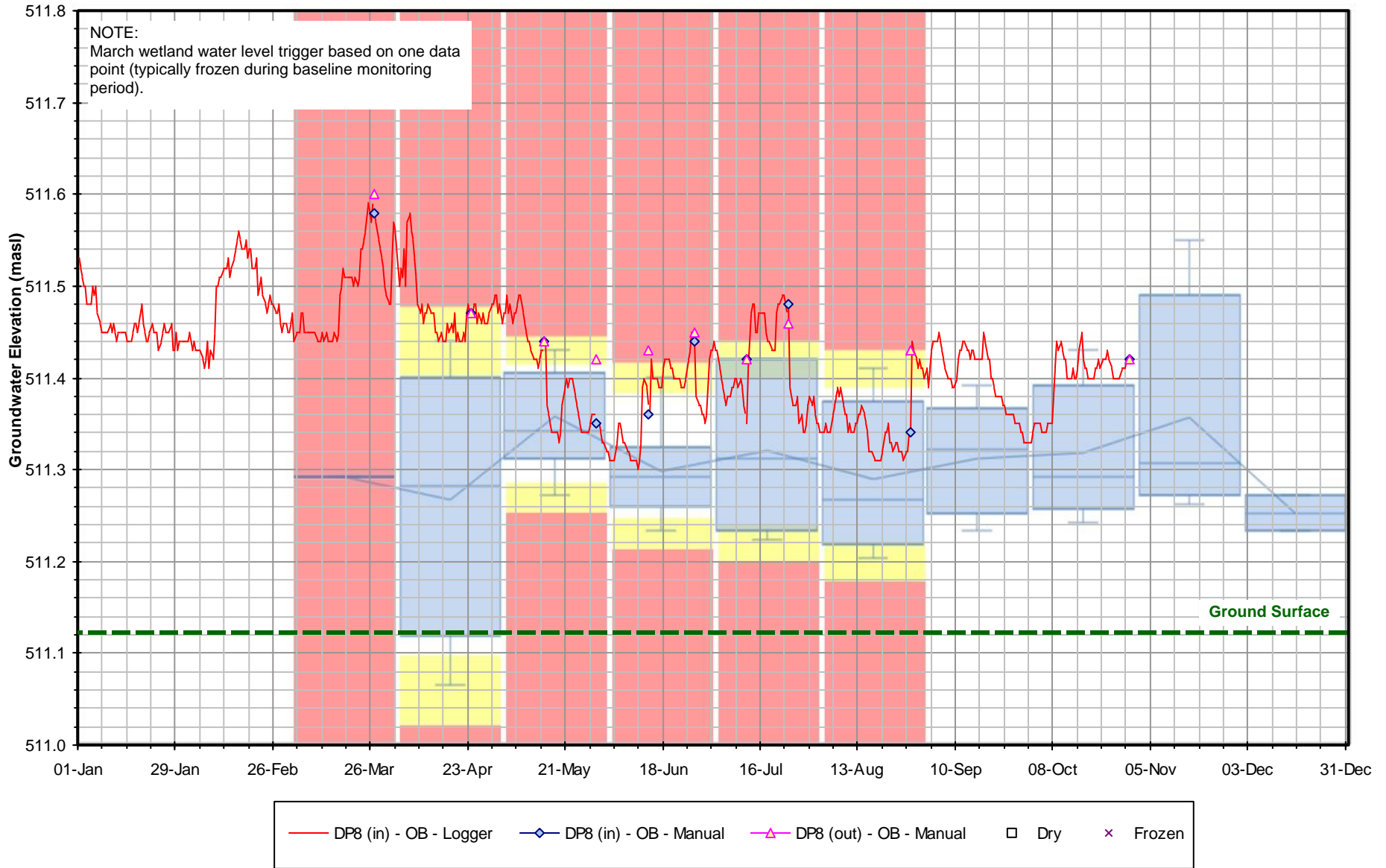


Figure F-26 2023 Groundwater / Surface Water PITM Results

DP9 - ANSI Wetland B North Portion

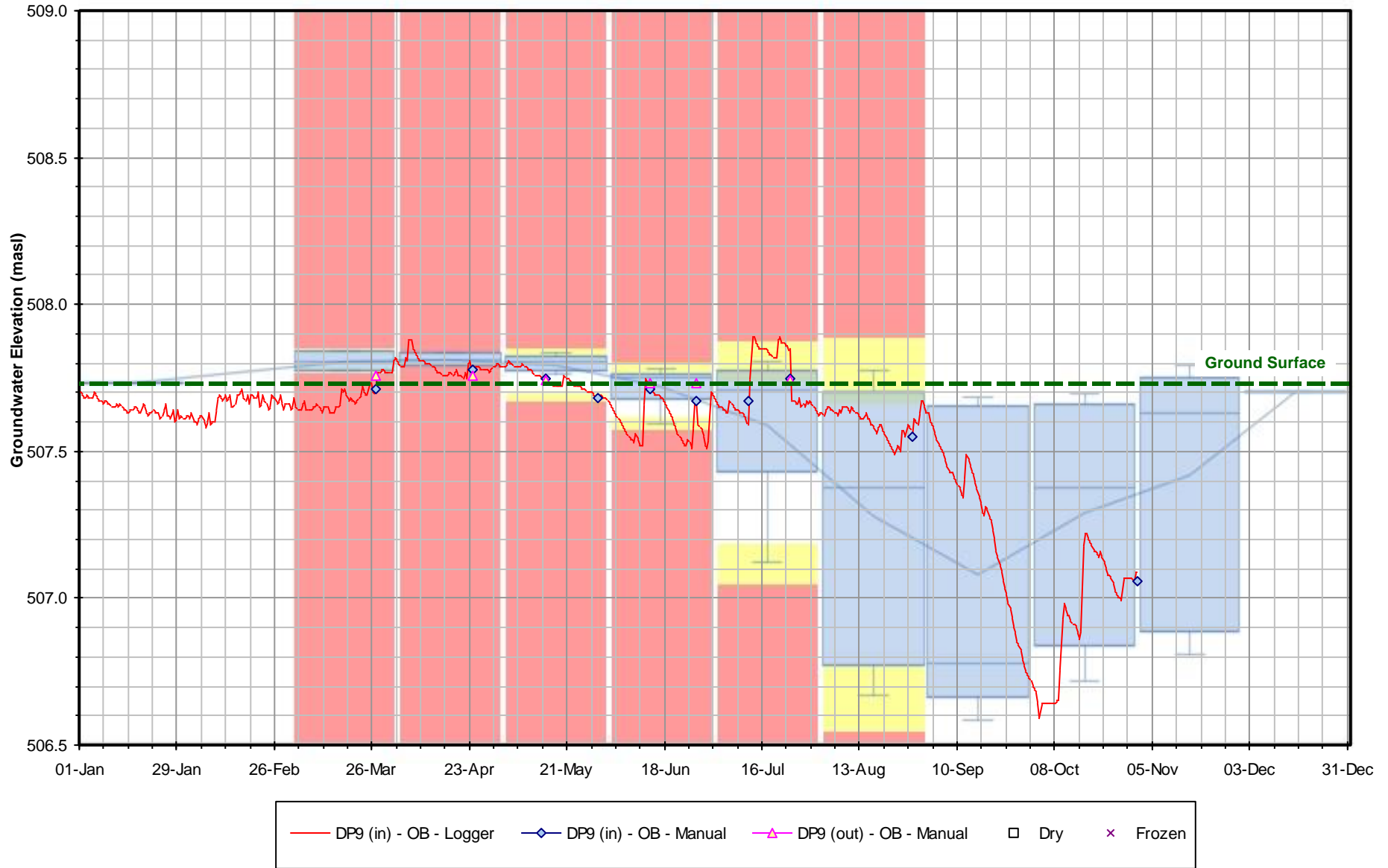
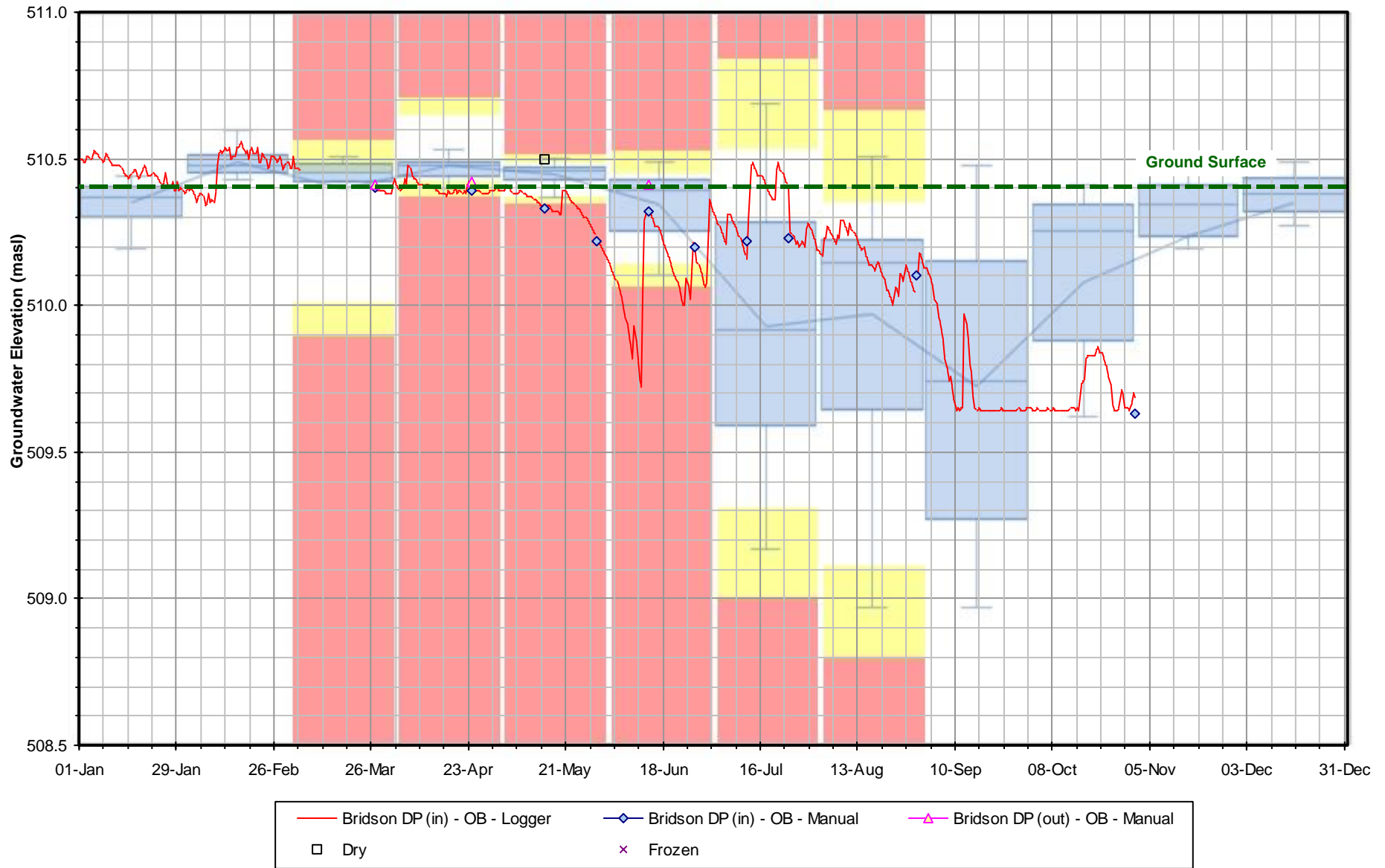


Figure F-27 2023 Groundwater / Surface Water PITM Results

Bridson DP - ANSI Wetland B South Portion



APPENDIX F-1

**AMP Trigger Exceedance
Notifications**



March 28, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – March 27 Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNRF), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of two red zone and two yellow zone triggers as identified during the monthly monitoring event from March 2023.

PITM Results

For wetland drivepoint monitoring locations, two (2) red trigger exceedances and one (1) yellow trigger exceedance were identified for water level elevations. The results of PITM including identification of the trigger is provided in Table 1 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedances. The results of the investigation are provided in **Appendix C**. The technician collecting the monitoring data observed that much of the area was frozen and it is expected that the water levels would be affected by the ice. Further, the nature of the baselines at DP8 and DP9 and the methodology for setting the triggers as prescribed in the AMP, result in little to no variability in water levels to meet trigger criteria, causing the exceedance. Therefore, two (2) red trigger exceedances and one (1) yellow trigger exceedance identified by the PITM are a direct reflection of the conditions observed (ice build-up) and the nature of the baseline used to develop the triggers, and **not due to quarry operations**.

Should you have any questions, please do not hesitate to contact the undersigned.

Best regards,

A handwritten signature in black ink that reads 'K Meikle'.

Kerry Meikle
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A - BACKGROUND OF PROGRAM

The purpose of the PITM is to monitor the effects of quarry operations on water resources with respect to levels, flows and temperature, and to initiate prescribed mitigation measures to maintain these parameters within their baseline ranges. Long-term changes in prevailing climatic conditions are incorporated into the AMP by monitoring control stations established in the Pretty River (PR) and Batteaux Creek (BC) drainage basins (Figure 1). These control stations are beyond any possible influence of quarry operations.

Surface Water Control Stations

The Surface Water PITM stations are identified in the Site Plan by their location in each watershed (Figure 1):

- PR Tributary System: SW16, SW17, SW17A, SW18 and PR Control Station.
- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
- Beaver River Tributary System: SW1, SW2, SW0-2, SW3, SW6A, and RR3 Karst Sink Point Channel Station (RR3 Karst).

Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and a staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

Wetland Drivepoints

The PITM wetland drivepoints are identified in the Site Plan as DP2, DP4, DP5, DP6, DP7, DP8, DP9, and Bridson DP. Wetland drivepoints are monitored monthly from March to August, with biweekly monitoring from May to August. Monitoring includes the collection of water levels to determine the elevation of the water tables.

Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.



APPENDIX B: MARCH 2023 TRIGGER EXCEEDANCES

Table 1: Wetland Drivepoint Stations – March 28, 2023

Wetland Drivepoints	March Monthly Report	March PITM Trigger Values			
	Water Level Elevation	Dry (masl)		Wet (masl)	
	(masl)	Red	Yellow	Yellow	Red
DP2	(frozen)	510.79	511.03	511.96	512.20
DP4	511.43	510.95	511.15	511.93	512.13
DP5	509.74	509.72	509.82	510.22	510.32
DP6	(frozen)	511.45	511.55	511.94	512.04
DP7	509.37	509.31	509.33	509.37	509.39
DP8	<u>511.58</u>	511.29	511.29	511.29	511.29
DP9	<u>507.71</u>	507.76	507.78	507.83	507.85
Bridson DP	510.40	509.90	510.02	510.46	510.58

Notes: * Updated Interim PITM Trigger Values for wetland water levels are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)
Underlined and bolded values indicate exceedance of "wet" trigger.



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.

Observations

During sampling, the field technician noted ice conditions throughout the wetland.



April 25, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – April 24 Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNRF), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of one (1) red zone trigger and three (3) yellow triggers as identified during the monthly monitoring event from April 2023.

PITM Results

For wetland drivepoint monitoring locations, one (1) red trigger exceedance and three (3) yellow trigger exceedances were identified for water level elevations. The results of PITM including identification of the triggers is provided in Table 1 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedances. The results of the investigation are provided in **Appendix C**. The nature of the baselines for the wetland drivepoint monitoring locations and the methodology for setting the triggers as prescribed in the AMP, result in little to no variability in water levels to meet trigger criteria, causing the exceedance. Therefore, the red and yellow triggers identified by the PITM are a direct reflection of the nature of the baseline used to develop the triggers and **not due to quarry operations**. The results of the investigation are provided in **Appendix C**.

Should you have any questions, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink, appearing to read 'Sarah Hanson', is written over a yellow triangular graphic element on the left side of the page.

Sarah Hanson
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A: BACKGROUND OF PROGRAM

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- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
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Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

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Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.



APPENDIX B: APRIL 2023 TRIGGER EXCEEDANCES

Table 1: Wetland Drivepoint Stations – April 24, 2023

Wetland Drivepoints	April Monthly Report	April PITM Trigger Values			
	Water Level Elevation	Dry (masl)		Wet (masl)	
	(masl)	Red	Yellow	Yellow	Red
DP2	<u>512.34</u>	511.72	511.83	512.27	512.38
DP4	511.26	511.15	511.25	511.66	511.76
DP5	510.02	509.75	509.84	510.20	510.29
DP6	511.83	511.33	511.44	511.88	511.99
DP7	509.36	509.32	509.33	509.37	509.38
DP8	<u>511.47</u>	511.02	511.10	511.40	511.48
DP9	507.78	507.79	507.79	507.83	507.83
Bridson DP	510.39	510.38	510.44	510.66	510.72

Notes: * Updated Interim PITM Trigger Values for wetland water levels are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)
Underlined and bolded values indicate exceedance of "wet" trigger.



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.

Observations

The investigation concluded that trigger exceedances identified by the PITM are a direct reflection of the nature of the baseline used to develop the triggers, and not due to quarry operations.



May 17, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – May 16 Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNR), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of three (3) yellow triggers and one (1) red trigger as identified during the bi-weekly monitoring event from May 2023.

PITM Results

For wetland drivepoint monitoring locations, three (3) yellow trigger exceedances and one (1) red trigger exceedance were identified for water level elevations. The results of PITM including identification of the triggers is provided in Table 1 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedances. The results of the investigation are provided in **Appendix C**. The three (3) yellow triggers are being investigated for drainage conditions within the Rob Roy 6 area. The one (1) red trigger is a result of drier than normal climate conditions in April and start of May. Therefore, the red trigger identified by the PITM is a direct reflection of climatic conditions and **not due to quarry operations**. The results of the investigation are provided in **Appendix C**.

Should you have any questions, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink, appearing to read 'Sarah Hanson', is written over a yellow triangular graphic element on the left side of the page.

Sarah Hanson
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A: BACKGROUND OF PROGRAM

The purpose of the PITM is to monitor the effects of quarry operations on water resources with respect to levels, flows and temperature, and to initiate prescribed mitigation measures to maintain these parameters within their baseline ranges. Long-term changes in prevailing climatic conditions are incorporated into the AMP by monitoring control stations established in the Pretty River (PR) and Batteaux Creek (BC) drainage basins (Figure 1). These control stations are beyond any possible influence of quarry operations.

Surface Water Control Stations

The Surface Water PITM stations are identified in the Site Plan by their location in each watershed (Figure 1):

- PR Tributary System: SW16, SW17, SW17A, SW18 and PR Control Station.
- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
- Beaver River Tributary System: SW1, SW2, SW0-2, SW3, SW6A, and RR3 Karst Sink Point Channel Station (RR3 Karst).

Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

Wetland Drivepoints

The PITM wetland drivepoints are identified in the Site Plan as DP2, DP4, DP5, DP6, DP7, DP8, DP9, and Bridson DP. Wetland drivepoints are monitored monthly from March to August, with biweekly monitoring from May to August. Monitoring includes the collection of water levels to determine the elevation of the water tables.

Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.



APPENDIX B: MAY 2023 TRIGGER EXCEEDANCES

Table 1: Wetland Drivepoint Stations – May 16, 2023

Wetland Drivepoints	May Bi-Weekly Report	May PITM Trigger Values			
	Water Level Elevation	Dry (masl)		Wet (masl)	
	(masl)	Red	Yellow	Yellow	Red
DP2	<u>512.31</u>	511.08	511.30	512.20	512.42
DP4 †	<u>511.88</u>	511.28	511.39	511.83	511.94
DP5	510.01	509.51	509.64	510.13	510.26
DP6	511.81	511.60	511.66	511.87	511.93
DP7	509.35	509.03	509.09	509.37	509.43
DP8	<u>511.44</u>	511.25	511.29	511.41	511.45
DP9	507.75	507.67	507.70	507.82	507.85
Bridson DP	510.33	510.36	510.38	510.50	510.52

Notes: * Updated Interim PITM Trigger Values for wetland water levels are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)

† DP4 trigger values updated May 2023 based on revised baseline data.

Underlined and bolded values indicate exceedance of "wet" trigger.



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.

Observations

The investigation concluded that the one (1) red trigger exceedance identified by the PITM is a result of climatic conditions, and not due to quarry operations.



June 2, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – May 29-31 Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNR), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of three (3) yellow triggers and one (1) red trigger as identified during the monthly monitoring event from May 29-31, 2023.

PITM Results

For wetland drivepoint monitoring locations, three (3) yellow trigger exceedances and one (1) red trigger exceedance were identified for water level elevations. The results of PITM including identification of the triggers is provided in Table 1 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedances. The results of the investigation are provided in **Appendix C**. The two (2) yellow triggers are being investigated for drainage conditions within the Rob Roy 6 area (DP2 and DP4). The one (1) red trigger and one (1) yellow trigger at wetland drivepoints (Bridson DP and DP9) are a result of drier than normal climate conditions in May. Therefore, the red and yellow triggers identified by the PITM is a direct reflection of climatic conditions and **not due to quarry operations**. The results of the investigation are provided in **Appendix C**.

Should you have any questions, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink, appearing to read 'Sarah Hanson', is positioned above the typed name.

Sarah Hanson
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A: BACKGROUND OF PROGRAM

The purpose of the PITM is to monitor the effects of quarry operations on water resources with respect to levels, flows and temperature, and to initiate prescribed mitigation measures to maintain these parameters within their baseline ranges. Long-term changes in prevailing climatic conditions are incorporated into the AMP by monitoring control stations established in the Pretty River (PR) and Batteaux Creek (BC) drainage basins (Figure 1). These control stations are beyond any possible influence of quarry operations.

Surface Water Control Stations

The Surface Water PITM stations are identified in the Site Plan by their location in each watershed (Figure 1):

- PR Tributary System: SW16, SW17, SW17A, SW18 and PR Control Station.
- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
- Beaver River Tributary System: SW1, SW2, SW0-2, SW3, SW6A, and RR3 Karst Sink Point Channel Station (RR3 Karst).

Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

Wetland Drivepoints

The PITM wetland drivepoints are identified in the Site Plan as DP2, DP4, DP5, DP6, DP7, DP8, DP9, and Bridson DP. Wetland drivepoints are monitored monthly from March to August, with biweekly monitoring from May to August. Monitoring includes the collection of water levels to determine the elevation of the water tables.

Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.



APPENDIX B: MAY 2023 TRIGGER EXCEEDANCES

Table 1: Wetland Drivepoint Stations – May 29-31, 2023

Wetland Drivepoints	May Monthly Report	May PITM Trigger Values			
	Water Level Elevation	Dry (masl)		Wet (masl)	
	(masl)	Red	Yellow	Yellow	Red
DP2	<u>512.29</u>	511.08	511.30	512.20	512.42
DP4 †	<u>511.86</u>	511.28	511.39	511.83	511.94
DP5	509.99	509.51	509.64	510.13	510.26
DP6	511.74	511.60	511.66	511.87	511.93
DP7	509.33	509.03	509.09	509.37	509.43
DP8	511.35	511.25	511.29	511.41	511.45
DP9	<u>507.68</u>	507.67	507.70	507.82	507.85
Bridson DP	510.22	510.36	510.38	510.50	510.52

Notes: * Updated Interim PITM Trigger Values for wetland water levels are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)

† DP4 trigger values updated May 2023 based on revised baseline data.

Underlined and bolded values indicate exceedance of "wet" trigger.



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.

Observations

The investigation concluded that the one (1) red trigger and one (1) yellow trigger exceedance identified by the PITM is a result of climatic conditions, and not due to quarry operations.



June 16, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – June 14 Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNRF), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of two (2) yellow triggers as identified during the bi-weekly monitoring event on June 14, 2023.

PITM Results

For wetland drivepoint monitoring locations, two (2) yellow trigger exceedances identified for water level elevations. The results of PITM including identification of the triggers is provided in Table 1 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedances. The results of the investigation are provided in **Appendix C**. The two (2) yellow triggers are being investigated for drainage conditions within the Rob Roy 6 area (DP2 and DP4). The results of the investigation are provided in **Appendix C**.

Should you have any questions, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink, appearing to read 'Sarah Hanson', is written over a yellow triangular graphic element on the left side of the page.

Sarah Hanson
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A: BACKGROUND OF PROGRAM

The purpose of the PITM is to monitor the effects of quarry operations on water resources with respect to levels, flows and temperature, and to initiate prescribed mitigation measures to maintain these parameters within their baseline ranges. Long-term changes in prevailing climatic conditions are incorporated into the AMP by monitoring control stations established in the Pretty River (PR) and Batteaux Creek (BC) drainage basins (Figure 1). These control stations are beyond any possible influence of quarry operations.

Surface Water Control Stations

The Surface Water PITM stations are identified in the Site Plan by their location in each watershed (Figure 1):

- PR Tributary System: SW16, SW17, SW17A, SW18 and PR Control Station.
- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
- Beaver River Tributary System: SW1, SW2, SW0-2, SW3, SW6A, and RR3 Karst Sink Point Channel Station (RR3 Karst).

Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

Wetland Drivepoints

The PITM wetland drivepoints are identified in the Site Plan as DP2, DP4, DP5, DP6, DP7, DP8, DP9, and Bridson DP. Wetland drivepoints are monitored monthly from March to August, with biweekly monitoring from May to August. Monitoring includes the collection of water levels to determine the elevation of the water tables.

Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.

APPENDIX B: MAY 2023 TRIGGER EXCEEDANCES

Table 1: Wetland Drivepoint Stations – June 14, 2023

Wetland Drivepoints	June Bi-Weekly Report	June PITM Trigger Values			
	Water Level Elevation	Dry (masl)		Wet (masl)	
	(masl)	Red	Yellow	Yellow	Red
DP2	<u>512.30</u>	510.64	510.94	512.14	512.44
DP4 †	<u>511.86</u>	511.04	511.18	511.77	511.91
DP5	509.89	509.54	509.66	510.12	510.23
DP6	511.65	510.81	511.01	511.83	512.03
DP7	509.28	509.16	509.20	509.33	509.37
DP8	511.36	511.21	511.25	511.38	511.42
DP9	507.71	507.57	507.61	507.76	507.80
Bridson DP	510.32	510.07	510.15	510.46	510.54

Notes: * Updated Interim PITM Trigger Values for wetland water levels are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)

† DP4 trigger values updated May 2023 based on revised baseline data.

Underlined and bolded values indicate exceedance of "wet" trigger.



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.



June 28, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – June 26-27 Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNRF), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of eight (8) yellow triggers and four (4) red triggers as identified during the monthly monitoring event from June 26-27, 2023.

PITM Results

For SW LTT Stations, four (4) yellow trigger exceedances and one (1) red trigger exceedance were identified. The results of the PITM including identification of the triggers is provided in Table 1 in **Appendix B**.

For Escarpment Spring Stations, two (2) yellow trigger exceedances and one (1) red trigger exceedance were identified. The results of the PITM including identification of the triggers is provided in Table 2 in **Appendix B**.

For Wetland Drivepoints, two (2) yellow trigger exceedances and two (2) red trigger exceedances were identified. The results of the PITM including identification of the triggers is provided in Table 3 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedances. The results of the investigation are provided in **Appendix C**. Temperature triggers at SW LTT Stations and Escarpment Spring Stations are attributed to climatic conditions. Water level elevations located at Wetland Drivepoints DP2, DP4 and DP8 are being investigated for drainage conditions within the Rob Roy 6 area. Water level elevations located at Wetland Drivepoint D7 will be compared and verified with the next recorded value at this station in two (2) weeks. It should be noted that well BH03-7 water levels are within appropriate parameters. The results of the investigation are provided in **Appendix C**.

Should you have any questions, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink, appearing to read 'Sarah Hanson', is positioned above the typed name.

Sarah Hanson
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A: BACKGROUND OF PROGRAM

The purpose of the PITM is to monitor the effects of quarry operations on water resources with respect to levels, flows and temperature, and to initiate prescribed mitigation measures to maintain these parameters within their baseline ranges. Long-term changes in prevailing climatic conditions are incorporated into the AMP by monitoring control stations established in the Pretty River (PR) and Batteaux Creek (BC) drainage basins (Figure 1). These control stations are beyond any possible influence of quarry operations.

Surface Water Control Stations

The Surface Water PITM stations are identified in the Site Plan by their location in each watershed (Figure 1):

- PR Tributary System: SW16, SW17, SW17A, SW18 and PR Control Station.
- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
- Beaver River Tributary System: SW1, SW2, SW0-2, SW3, SW6A, and RR3 Karst Sink Point Channel Station (RR3 Karst).

Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

Wetland Drivepoints

The PITM wetland drivepoints are identified in the Site Plan as DP2, DP4, DP5, DP6, DP7, DP8, DP9, and Bridson DP. Wetland drivepoints are monitored monthly from March to August, with biweekly monitoring from May to August. Monitoring includes the collection of water levels to determine the elevation of the water tables.

Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.



APPENDIX B: MAY 2023 TRIGGER EXCEEDANCES

Table 1: SW LTT Stations – June 26-27, 2023

SW LTT Stations	June Monthly Report		June PITM Trigger Values			
	Temperature	Flow	Temperature (°C)		Flow (L/s)	
	(°C)	(L/s)	Yellow	Red	Yellow	Red
SW1	20.70	71.29	23.4	26.0	0	0
SW2	10.20	7.60	12.2	13.5	1.84	1.60
SW0-2	18.70	140.09	22.9	25.4	3.90	0
SW3	(dry)		16.9	18.8	0	0
SW6A	18.40	466.39	22.7	25.2	83.36	58.30
SW9	(dry)		14.8	16.4	0	0
SW14	19.90	2.36	19.6	21.8	1.74	1.20
SW15	(dry)		20.7	23.0	0.20	0
SW16	23.30	3.06	17.5	19.4	0.60	0.06
SW17	20.20	3.60	19.2	21.4	0.50	0.30
SW17A	13.30	19.06	12.6	14.0	6.84	3.90
SW18	17.00	506.99	16.1	17.9	11.80	7.00

Notes: * Updated Interim PITM Trigger Values for surface water temperature and flow rates are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)
 '0' Indicates no flow observed during baseline monitoring period

Table 2: Escarpment Spring Stations – June 26-27, 2023

Escarpment Spring Stations	June Monthly Report		June PITM Trigger Values			
	Temperature	Flow	Temperature (°C)		Flow (L/s)	
	(°C)	(L/s)	Yellow	Red	Yellow	Red
SW10	14.10	0.27	16.4	18.3	0.10	0
SW11	12.30	9.35	10.9	12.1	2.30	0
SW21C	13.40	3.41	12.2	13.5	1.20	0
SW24A	11.20	1.67	12.2	13.5	0.20	0
SW77	10.30	0.47	9.8	10.9	0.10	0.06

Notes: * Updated Interim PITM Trigger Values for surface water temperature and flow rates are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)
 '0' Indicates no flow observed during baseline monitoring period



Table 3: Wetland Drivepoints – June 26-27, 2023

Wetland Drivepoints	June Monthly Report	June PITM Trigger Values			
	Water Level Elevation	Dry (masl)		Wet (masl)	
	(masl)	Red	Yellow	Yellow	Red
DP2	<u>512.31</u>	510.64	510.94	512.14	512.44
DP4 †	<u>511.97</u>	511.04	511.18	511.77	511.91
DP5	509.85	509.54	509.66	510.12	510.23
DP6	511.43	510.81	511.01	511.83	512.03
DP7	<u>509.18</u>	509.16	509.20	509.33	509.37
DP8	<u>511.44</u>	511.21	511.25	511.38	511.42
DP9	507.67	507.57	507.61	507.76	507.80
Bridson DP	510.20	510.07	510.15	510.46	510.54

Notes: * Updated Interim PITM Trigger Values for wetland water levels are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)
 † DP4 trigger values updated May 2023 based on revised baseline data.
 Underlined and bolded values indicate exceedance of "wet" trigger.



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.

Observations

The investigation concluded that the trigger exceedances identified by the PITM are a result of climatic conditions, and not due to quarry operations.



July 15, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – July 12 Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNRF), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of three (3) yellow triggers as identified during the bi-weekly monitoring event on July 12, 2023.

PITM Results

For wetland drivepoint monitoring locations, three (3) yellow trigger exceedances identified for water level elevations. The results of PITM including identification of the triggers is provided in Table 1 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedances. The results of the investigation are provided in **Appendix C**. The three (3) yellow triggers are being investigated for drainage conditions within the Rob Roy 6 area (DP2, DP4 and DP8). The results of the investigation are provided in **Appendix C**.

Should you have any questions, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink, appearing to read 'Sarah Hanson', is written over a yellow triangular graphic element on the left side of the page.

Sarah Hanson
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A: BACKGROUND OF PROGRAM

The purpose of the PITM is to monitor the effects of quarry operations on water resources with respect to levels, flows and temperature, and to initiate prescribed mitigation measures to maintain these parameters within their baseline ranges. Long-term changes in prevailing climatic conditions are incorporated into the AMP by monitoring control stations established in the Pretty River (PR) and Batteaux Creek (BC) drainage basins (Figure 1). These control stations are beyond any possible influence of quarry operations.

Surface Water Control Stations

The Surface Water PITM stations are identified in the Site Plan by their location in each watershed (Figure 1):

- PR Tributary System: SW16, SW17, SW17A, SW18 and PR Control Station.
- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
- Beaver River Tributary System: SW1, SW2, SW0-2, SW3, SW6A, and RR3 Karst Sink Point Channel Station (RR3 Karst).

Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

Wetland Drivepoints

The PITM wetland drivepoints are identified in the Site Plan as DP2, DP4, DP5, DP6, DP7, DP8, DP9, and Bridson DP. Wetland drivepoints are monitored monthly from March to August, with biweekly monitoring from May to August. Monitoring includes the collection of water levels to determine the elevation of the water tables.

Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.



APPENDIX B: MAY 2023 TRIGGER EXCEEDANCES

Table 1: Wetland Drivepoint Stations – July 12, 2023

Wetland Drivepoints	July Bi-Weekly Report	July PITM Trigger Values			
	Water Level Elevation	Dry (masl)		Wet (masl)	
	(masl)	Red	Yellow	Yellow	Red
DP2	<u>512.28</u>	510.64	510.94	512.18	512.48
DP4 †	<u>511.85</u>	510.66	510.86	511.70	511.90
DP5	509.88	508.91	509.14	510.05	510.27
DP6	511.50	509.99	510.39	512.02	512.43
DP7	509.22	508.75	508.85	509.27	509.37
DP8	<u>511.42</u>	511.20	511.24	511.40	511.44
DP9	507.67	507.04	507.18	507.73	507.87
Bridson DP	510.22	509.01	509.31	510.55	510.85

Notes: * Updated Interim PITM Trigger Values for wetland water levels are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)

† DP4 trigger values updated May 2023 based on revised baseline data.

Underlined and bolded values indicate exceedance of "wet" trigger.



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.



July 26, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – July 24 Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNRF), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of four (4) yellow triggers and one (1) red trigger as identified during the monthly monitoring event on July 24, 2023.

PITM Results

For wetland drivepoint monitoring locations, four (4) yellow and one (1) red trigger exceedance were identified for water level elevations. The results of PITM including identification of the triggers is provided in Table 1 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedances. The results of the investigation are provided in **Appendix C**. The two (2) yellow triggers and one (1) red trigger are being investigated for drainage conditions within the Rob Roy 6 area (DP2, DP4 and DP8). The two (2) yellow trigger exceedances at DP7 and DP9 are a result of climatic conditions. The results of the investigation are provided in **Appendix C**.

Should you have any questions, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink, appearing to read 'Sarah Hanson', is positioned above the typed name.

Sarah Hanson
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A: BACKGROUND OF PROGRAM

The purpose of the PITM is to monitor the effects of quarry operations on water resources with respect to levels, flows and temperature, and to initiate prescribed mitigation measures to maintain these parameters within their baseline ranges. Long-term changes in prevailing climatic conditions are incorporated into the AMP by monitoring control stations established in the Pretty River (PR) and Batteaux Creek (BC) drainage basins (Figure 1). These control stations are beyond any possible influence of quarry operations.

Surface Water Control Stations

The Surface Water PITM stations are identified in the Site Plan by their location in each watershed (Figure 1):

- PR Tributary System: SW16, SW17, SW17A, SW18 and PR Control Station.
- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
- Beaver River Tributary System: SW1, SW2, SW0-2, SW3, SW6A, and RR3 Karst Sink Point Channel Station (RR3 Karst).

Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

Wetland Drivepoints

The PITM wetland drivepoints are identified in the Site Plan as DP2, DP4, DP5, DP6, DP7, DP8, DP9, and Bridson DP. Wetland drivepoints are monitored monthly from March to August, with biweekly monitoring from May to August. Monitoring includes the collection of water levels to determine the elevation of the water tables.

Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.



APPENDIX B: JULY 2023 TRIGGER EXCEEDANCES

Table 1: Wetland Drivepoint Stations – July 24, 2023

Wetland Drivepoints	July Monthly Report	July PITM Trigger Values			
	Water Level Elevation	Dry (masl)		Wet (masl)	
	(masl)	Red	Yellow	Yellow	Red
DP2	<u>512.34</u>	510.64	510.94	512.18	512.48
DP4 †	<u>511.90</u>	510.66	510.86	511.70	511.90
DP5	509.99	508.91	509.14	510.05	510.27
DP6	511.78	509.99	510.39	512.02	512.43
DP7	<u>509.33</u>	508.75	508.85	509.27	509.37
DP8	<u>511.48</u>	511.20	511.24	511.40	511.44
DP9	<u>507.75</u>	507.04	507.18	507.73	507.87
Bridson DP	510.23	509.01	509.31	510.55	510.85

Notes: * Updated Interim PITM Trigger Values for wetland water levels are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)

† DP4 trigger values updated May 2023 based on revised baseline data.

Underlined and bolded values indicate exceedance of "wet" trigger.



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.



August 15, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – August 14 Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNRF), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of one (1) yellow trigger as identified during the bi-weekly monitoring event on August 14, 2023.

PITM Results

For surface water escarpment springs monitoring locations, one (1) yellow trigger exceedance was identified for temperature. The results of PITM including identification of the trigger is provided in Table 1 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedance. The results of the investigation are provided in **Appendix C**. It is inferred that the trigger for temperature is due to field conditions at the time of monitoring.

Should you have any questions, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink that reads 'L. Clarke'.

Lesley Clarke
Manager Environmental Performance
Walker Industries

on behalf of

Sarah Hanson
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A: BACKGROUND OF PROGRAM

The purpose of the PITM is to monitor the effects of quarry operations on water resources with respect to levels, flows and temperature, and to initiate prescribed mitigation measures to maintain these parameters within their baseline ranges. Long-term changes in prevailing climatic conditions are incorporated into the AMP by monitoring control stations established in the Pretty River (PR) and Batteaux Creek (BC) drainage basins (Figure 1). These control stations are beyond any possible influence of quarry operations.

Surface Water Control Stations

The Surface Water PITM stations are identified in the Site Plan by their location in each watershed (Figure 1):

- PR Tributary System: SW16, SW17, SW17A, SW18 and PR Control Station.
- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
- Beaver River Tributary System: SW1, SW2, SW0-2, SW3, SW6A, and RR3 Karst Sink Point Channel Station (RR3 Karst).

Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

Wetland Drivepoints

The PITM wetland drivepoints are identified in the Site Plan as DP2, DP4, DP5, DP6, DP7, DP8, DP9, and Bridson DP. Wetland drivepoints are monitored monthly from March to August, with biweekly monitoring from May to August. Monitoring includes the collection of water levels to determine the elevation of the water tables.

Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.

APPENDIX B: AUGUST 2023 TRIGGER EXCEEDANCES

Table 1: Escarpment Spring Stations – August 14, 2023

Escarpment Spring Stations	August Bi-weekly Report		August PITM Trigger Values			
	Temperature	Flow	Temperature (°C)		Flow (L/s)	
	(°C)	(L/s)	Yellow	Red	Yellow	Red
SW10	14.90	0.11	19.8	22.0	0	0
SW11	10.80	4.39	15.0	16.6	0.40	0.10
SW21C	11.10	6.18	10.9	12.2	0.30	0.10
SW24A	9.70	6.73	15.9	17.7	0.12	0.10
SW77	11.20	0.13	14.1	15.7	0.10	0

Notes: * Updated Interim PITM Trigger Values for surface water temperature and flow rates are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)

'0' Indicates no flow observed during baseline monitoring period



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.



August 31, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – August 29-30 Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNRF), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of three (3) yellow triggers and one (1) red trigger as identified during the monthly monitoring event on August 29-30, 2023.

PITM Results

For wetland drivepoint monitoring locations, two (2) yellow and one (1) red trigger exceedance were identified for water level elevations. For escarpment spring monitoring locations, one (1) yellow trigger exceedance was identified. The results of PITM including identification of the triggers is provided in Table 1 and Table 2 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedances. The results of the investigation are provided in **Appendix C**. The one (1) yellow trigger and one (1) red trigger are being investigated for drainage conditions within the Rob Roy 6 area (DP2 and DP4). The two (2) yellow triggers located at DP7 and SW77 are attributed to conditions at the time of sampling. The results of the investigation are provided in **Appendix C**.

Should you have any questions, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink, appearing to read 'Sarah Hanson', is positioned above the typed name.

Sarah Hanson
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A: BACKGROUND OF PROGRAM

The purpose of the PITM is to monitor the effects of quarry operations on water resources with respect to levels, flows and temperature, and to initiate prescribed mitigation measures to maintain these parameters within their baseline ranges. Long-term changes in prevailing climatic conditions are incorporated into the AMP by monitoring control stations established in the Pretty River (PR) and Batteaux Creek (BC) drainage basins (Figure 1). These control stations are beyond any possible influence of quarry operations.

Surface Water Control Stations

The Surface Water PITM stations are identified in the Site Plan by their location in each watershed (Figure 1):

- PR Tributary System: SW16, SW17, SW17A, SW18 and PR Control Station.
- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
- Beaver River Tributary System: SW1, SW2, SW0-2, SW3, SW6A, and RR3 Karst Sink Point Channel Station (RR3 Karst).

Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

Wetland Drivepoints

The PITM wetland drivepoints are identified in the Site Plan as DP2, DP4, DP5, DP6, DP7, DP8, DP9, and Bridson DP. Wetland drivepoints are monitored monthly from March to August, with biweekly monitoring from May to August. Monitoring includes the collection of water levels to determine the elevation of the water tables.

Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.

APPENDIX B: AUGUST 2023 TRIGGER EXCEEDANCES

Table 1: Escarpment Spring Stations – August 29-30, 2023

Escarpment Spring Stations	August Monthly Report		August PITM Trigger Values			
	Temperature	Flow	Temperature (°C)		Flow (L/s)	
	(°C)	(L/s)	Yellow	Red	Yellow	Red
SW10	13.80	2.31	19.8	22.0	0	0
SW11	12.60	1.35	15.0	16.6	0.40	0.10
SW21C	10.80	1.79	10.9	12.2	0.30	0.10
SW24A	11.10	0.77	15.9	17.7	0.12	0.10
SW77	10.80	0.01	14.1	15.7	0.10	0

Notes: * Updated Interim PITM Trigger Values for surface water temperature and flow rates are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)

'0' Indicates no flow observed during baseline monitoring period

Table 2: Wetland Drivepoint Stations – August 29-30, 2023

Wetland Drivepoints	August Monthly Report	August PITM Trigger Values			
	Water Level Elevation	Dry (masl)		Wet (masl)	
	(masl)	Red	Yellow	Yellow	Red
DP2	<u>512.26</u>	510.63	510.93	512.12	512.42
DP4 †	<u>511.88</u>	510.58	510.80	511.64	511.86
DP5	509.88	508.50	508.79	509.96	510.25
DP6	511.24	509.86	510.28	511.97	512.39
DP7	<u>509.22</u>	508.29	508.45	509.09	509.25
DP8	511.34	511.18	511.22	511.39	511.43
DP9	507.55	506.54	506.76	507.66	507.88
Bridson DP	510.10	508.80	509.12	510.36	510.68

Notes: * Updated Interim PITM Trigger Values for wetland water levels are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)

† DP4 trigger values updated May 2023 based on revised baseline data.

Underlined and bolded values indicate exceedance of "wet" trigger.



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.



September 26th, 2023

RE: Duntroon Quarry – Adaptive Management Plan – Trigger Notification
Performance Indicator Trigger Monitoring Program – September 25th Monitoring Event
Aggregate Resource License No. 607841

Walker Aggregates Inc. owns and operates the Duntroon Quarry on County Road 91, west of the village of Duntroon on Part Lot 24 and Lot 25, Concession XII in the Township of Clearview, County of Simcoe. The licensed property of the existing quarry operates in accordance with Aggregate Resource Act (ARA) license number 3514. The expansion quarry is licensed to WAI under ARA license number 607841, issued August 6, 2014.

As required by Conditions 5 & 6 – Natural Environment of ARA license No. 607841 and the approved Adaptive Management Plan, notification to the Ministry of Natural Resources and Forestry (MNR), the Ministry of Environment, Conservation and Parks (MECP), the Conservation Authorities (CAs; Nottawasaga and Grey Sauble), and the Township (Clearview) is required if the Performance Indicator Trigger Monitoring Program (PITM) identifies a “yellow zone” or a “red zone” trigger. A summary of the PITM is provided in **Appendix A**.

This memorandum serves as notification of one (1) yellow trigger as identified during the monthly monitoring event on September 25th, 2023.

PITM Results

For escarpment spring monitoring locations, one (1) yellow trigger exceedance was identified. The results of PITM including identification of the triggers is provided in Table 1 and Table 2 in **Appendix B**.

Investigation & Conclusion

Observations during the monitoring event were used to investigate the trigger exceedances. The results of the investigation are provided in **Appendix C**. The one (1) yellow trigger located at SW77 is attributed to conditions at the time of sampling. The results of the investigation are provided in **Appendix C**.

Should you have any questions, please do not hesitate to contact the undersigned.

Kind regards,

A handwritten signature in black ink, appearing to read 'Sarah Hanson', is positioned above the typed name.

Sarah Hanson
Environmental Performance Business Partner
Walker Aggregates Inc.



APPENDIX A: BACKGROUND OF PROGRAM

The purpose of the PITM is to monitor the effects of quarry operations on water resources with respect to levels, flows and temperature, and to initiate prescribed mitigation measures to maintain these parameters within their baseline ranges. Long-term changes in prevailing climatic conditions are incorporated into the AMP by monitoring control stations established in the Pretty River (PR) and Batteaux Creek (BC) drainage basins (Figure 1). These control stations are beyond any possible influence of quarry operations.

Surface Water Control Stations

The Surface Water PITM stations are identified in the Site Plan by their location in each watershed (Figure 1):

- PR Tributary System: SW16, SW17, SW17A, SW18 and PR Control Station.
- BC Tributary System: SW9, SW14, SW15, and the BC Control Station.
- Beaver River Tributary System: SW1, SW2, SW0-2, SW3, SW6A, and RR3 Karst Sink Point Channel Station (RR3 Karst).

Temperature and flow rates are monitored hourly at all surface water control stations. Pressure transducers and staff gauges are installed at stations: SW1, SW2, SW0-2, SW3, SW6A, SW9, SW15, SW16 and SW18. Staff gauges have been installed at stations: SW17, SW17A, and BC Control.

Surface Water Escarpment Springs

The PITM surface water escarpment springs are identified in the Site Plan as SW10, SW11, SW21C, SW24A, and SW77. The Escarpment Springs stations are monitored bi-weekly in July and August and monthly during other times of the year. Monitoring includes temperature and a visual assessment of flow conditions, and where practical, manual measurements using an electromagnetic flow meter are completed.

Wetland Drivepoints

The PITM wetland drivepoints are identified in the Site Plan as DP2, DP4, DP5, DP6, DP7, DP8, DP9, and Bridson DP. Wetland drivepoints are monitored monthly from March to August, with biweekly monitoring from May to August. Monitoring includes the collection of water levels to determine the elevation of the water tables.

Trigger Values

Trigger values for surface water levels, flow and temperature, were established and fall into the following categories: red, yellow and green. Trigger periods for all surface water stations fall between June and September with the exception of SW1, SW2 and SW0-2, which apply from January through December. Trigger periods for the drivepoint wetland stations fall between March and August.

Where collected values of flow or temperature fall within the green zone, this is an indication that regular operations can proceed. Where values are in the yellow zone, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 72 hours, as well as a verification, investigation and report of the collected data. Where values enter the red zone, this represents the limit after which the extraction activities must cease, notification of relevant parties (MECP, MNRF, CAs and Township) should occur within 24 hours, and an investigation into the PITM exceedance must be taken.

These trigger values were created based on data between 2003 and 2020. The interim trigger values were finalized during the 5-year comprehensive review in September 2021.

APPENDIX B: September 2023 TRIGGER EXCEEDANCES

Table 1: Escarpment Spring Stations – September 25th, 2023

Escarpment Spring Stations	September Monthly Report		September PITM Trigger Values			
	Temperature	Flow	Temperature (°C)		Flow (L/s)	
	(°C)	(L/s)	Yellow	Red	Yellow	Red
SW10	15.70	(ponded)	18.0	20.0	0	0
SW11	12.10	0.46	13.4	14.9	0.32	0.28
SW21C	10.60	6.25	10.9	12.1	0.70	0.60
SW24A	9.90	1.12	14.0	15.6	0.12	0.10
SW77	11.10	0.08	12.8	14.2	0.10	0.04

Notes: * Updated Interim PITM Trigger Values for surface water temperature and flow rates are provided on Tables 6-9 and 6-10 of the AMP 5-Year Comprehensive Review Report (WSP, September 2021)

'0' Indicates no flow observed during baseline monitoring period



APPENDIX C – INVESTIGATION RESULTS

Operations

Operationally, the Duntroon Quarry reported that there have been no changes in quarry operations and quarry faces are normal.