DRAFT

APPENDIX A. FLOW MONITORING SITES: DATA, GRAPHS, INFORMATION

City of Lincoln

Sanitary Sewer Flow Monitoring

Temporary Monitoring: January 23 to April 3, 2016

Monitoring Site: Site 1

Location: On Nicolaus Road, 1100 ft west of Tea Hollow Dr S, right lane, nearest address 2821-3099 Nicolaus Road

Data Summary Report

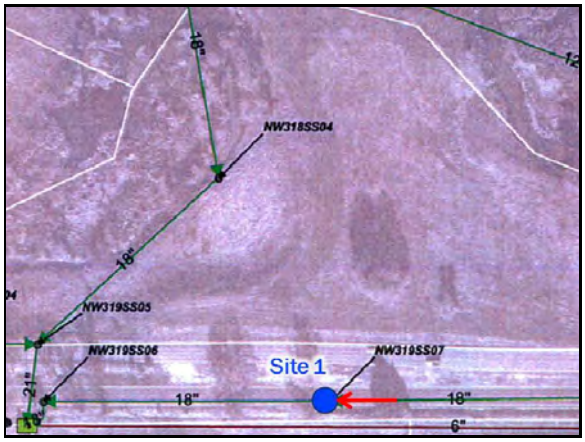
Vicinity Map: Site 1

SITE 1

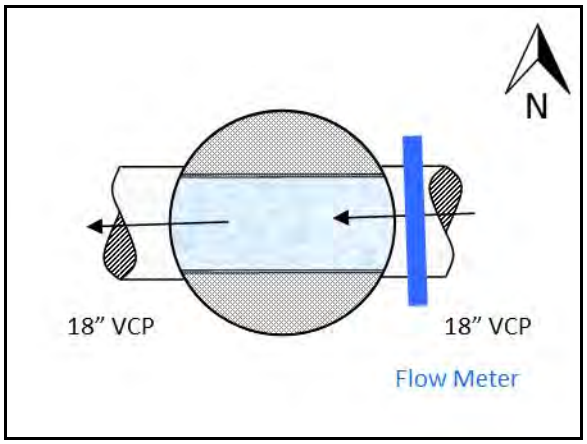
Site Information

Location:	On Nicolaus Road, 1100 ft west of Tea Hollow Dr S, right lane, nearest address 2821-3099 Nicolaus Road
Coordinates:	121.3322° W, 38.8973° N
Rim Elevation (Earth):	118 feet
Pipe Diameter:	18 inches
ADWF:	0.044 mgd
Peak Measured Flow:	0.255 mgd

Satellite Map



Sanitary Map



Flow Sketch

Street View

Plan View

SITE 1

Additional Site Photos

Influent Pipe

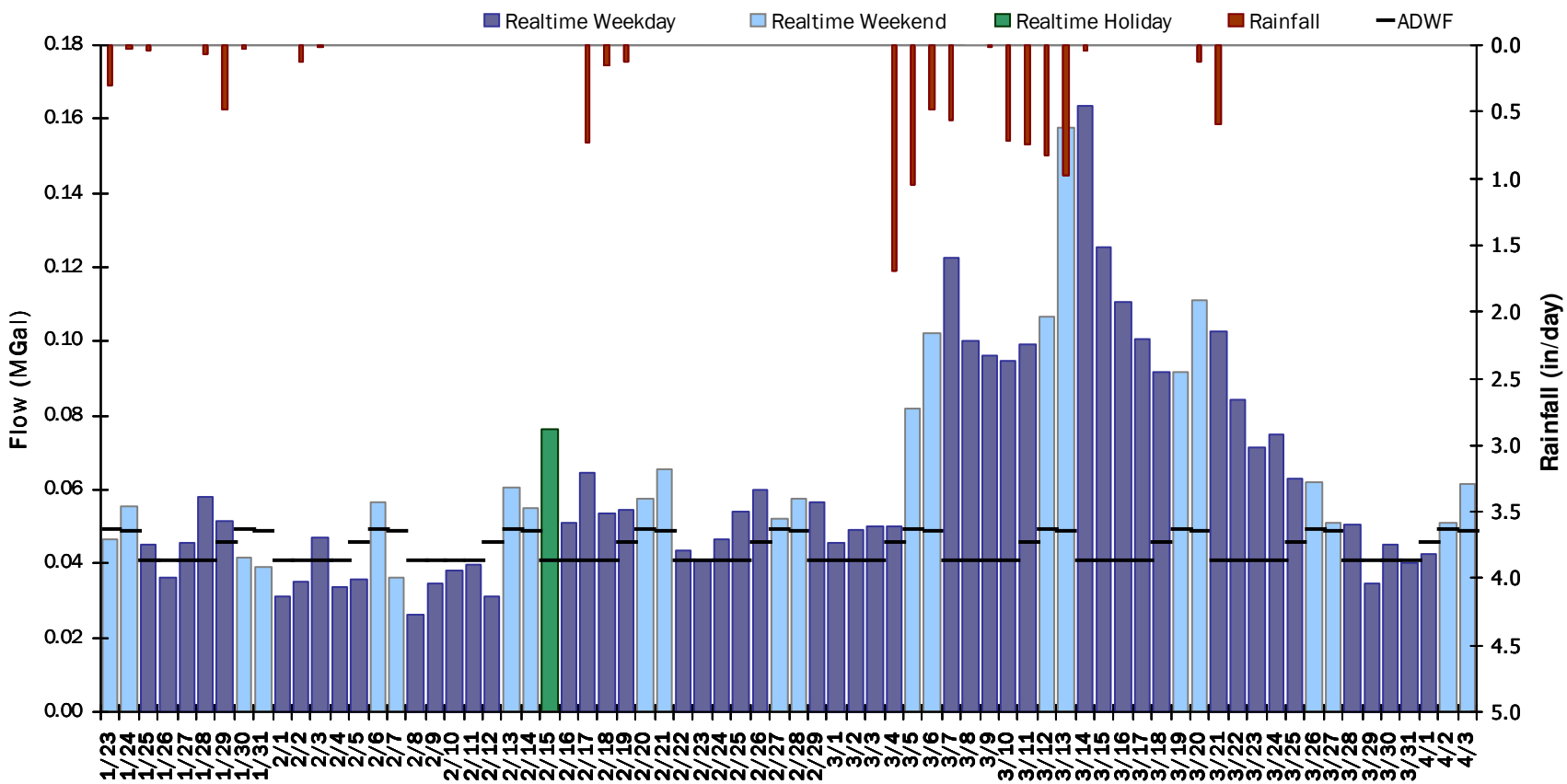
Effluent Pipe

SITE 1

Period Flow Summary: Daily Flow Totals

Avg Period Flow: 0.064 MGal **Peak Daily Flow: 0.163 MGal** **Min Daily Flow: 0.026 MGal**

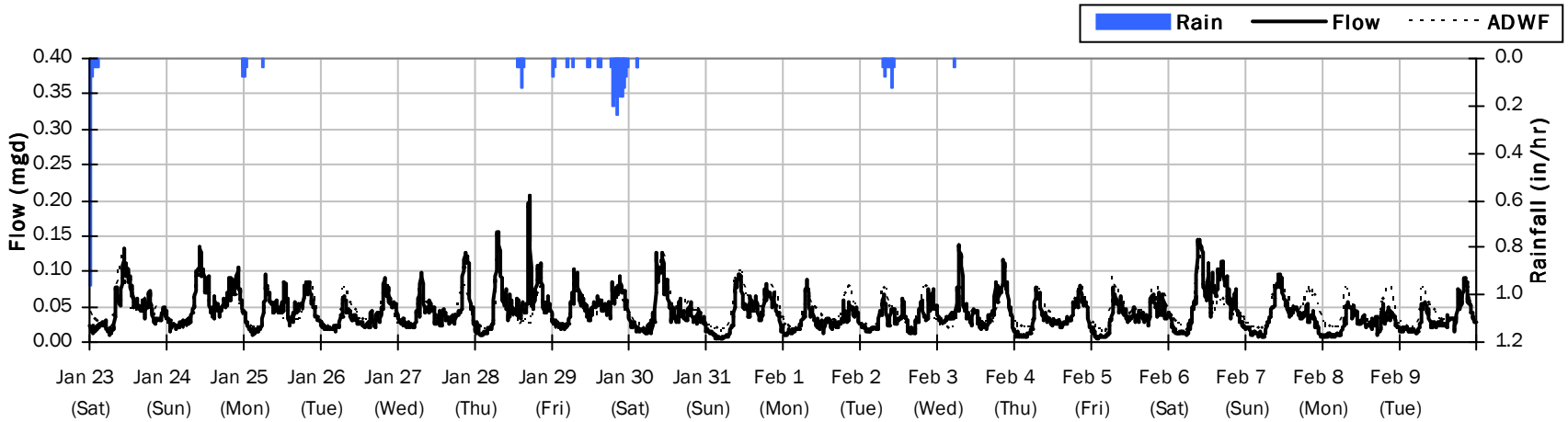
Total Period Rainfall: 9.91 inches

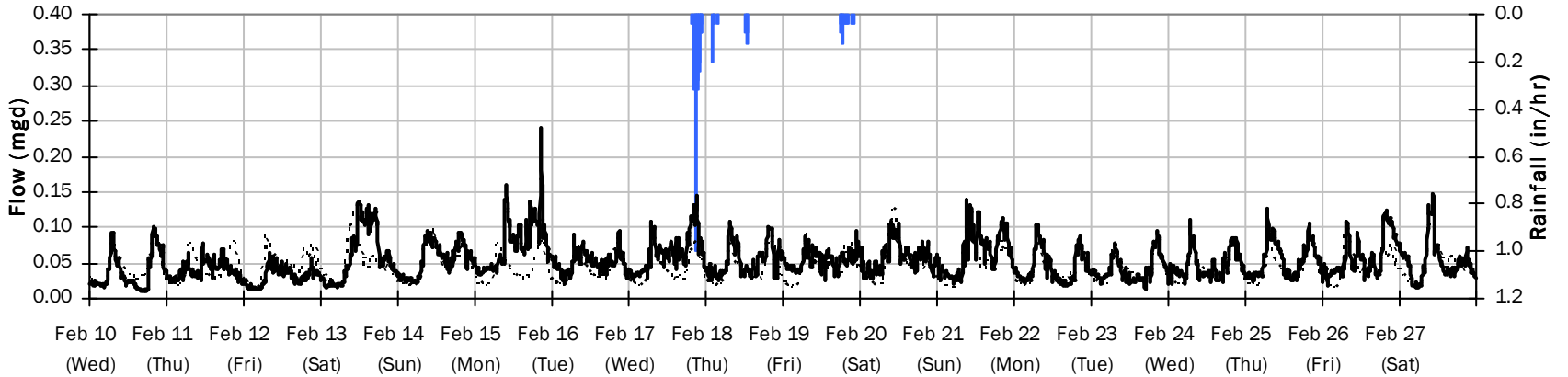


SITE 1

Flow Summary: 1/23/2016 to 2/27/2016

Total Period Rainfall: 2.08 inches **Avg Flow: 0.047 mgd** **Peak Flow: 0.241 mgd** **Min Flow: 0.006 mgd**

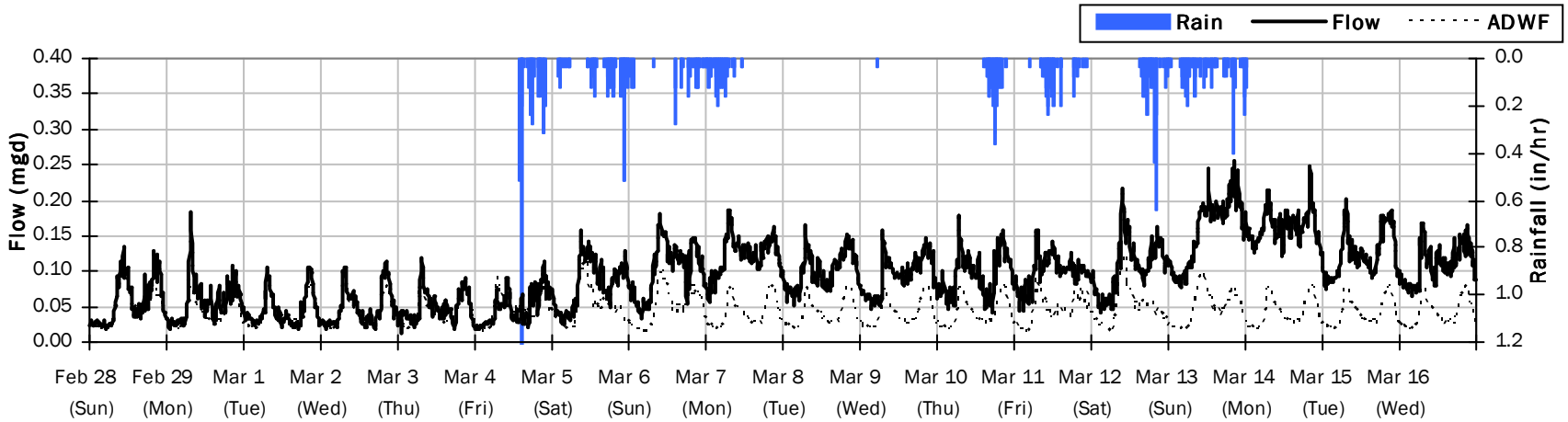


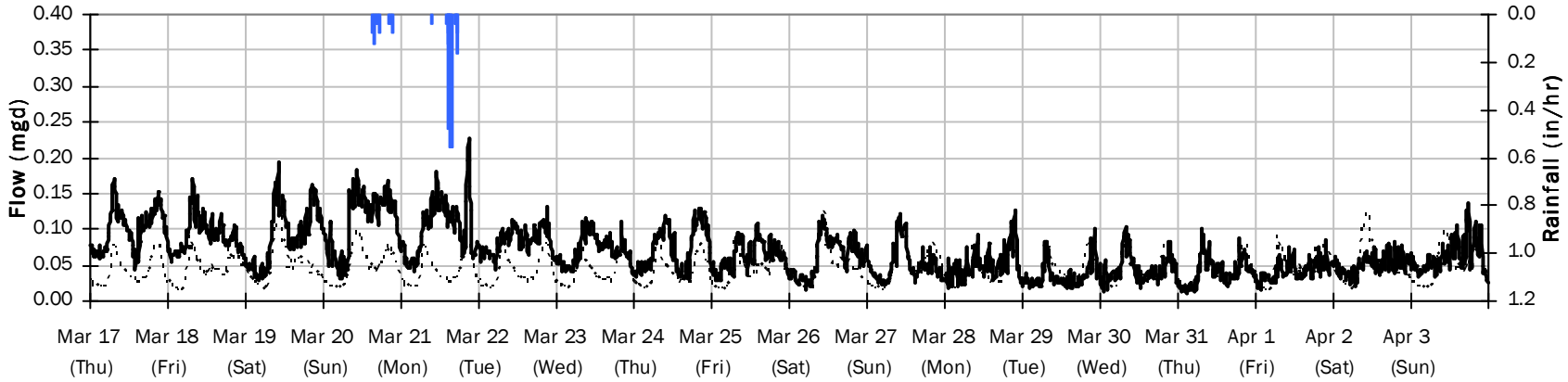


SITE 1

Flow Summary: 2/28/2016 to 4/3/2016

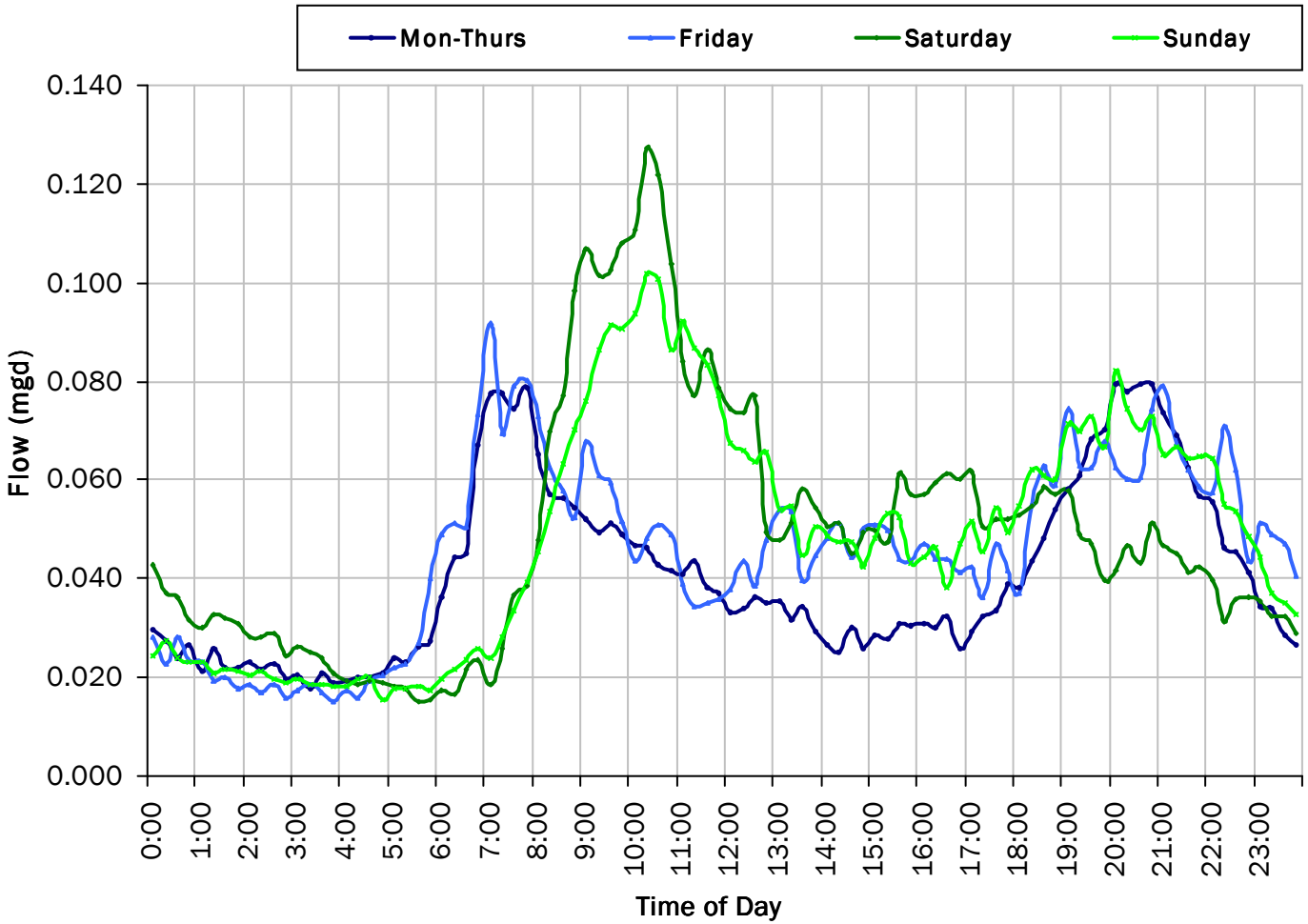
Total Period Rainfall: 7.83 inches **Avg Flow: 0.081 mgd** **Peak Flow: 0.255 mgd** **Min Flow: 0.011 mgd**





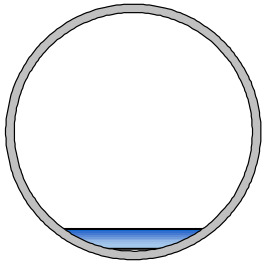
SITE 1

Average Dry Weather Flow Hydrographs



ADWF:

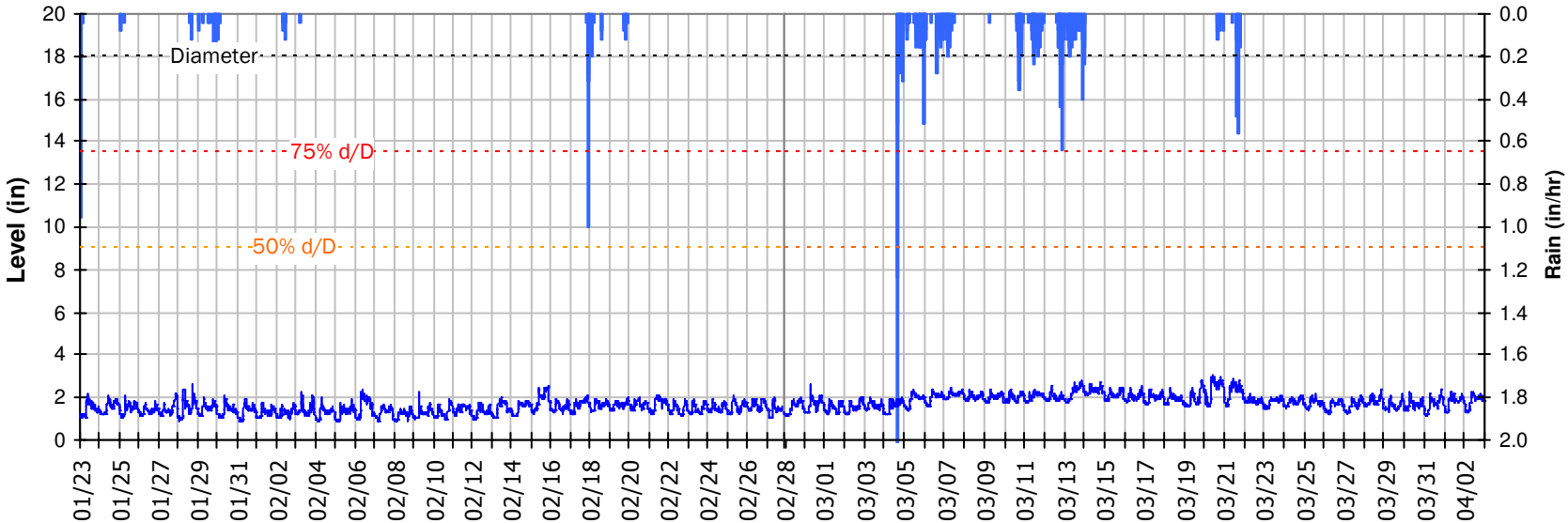
0.044 *mgd*

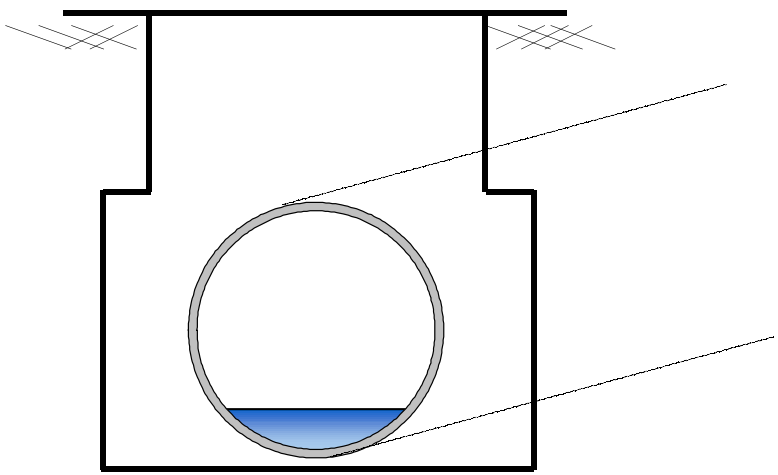


SITE 1

Site Capacity and Surcharge Summary

Realtime Flow Levels with Rainfall Data over Monitoring Period

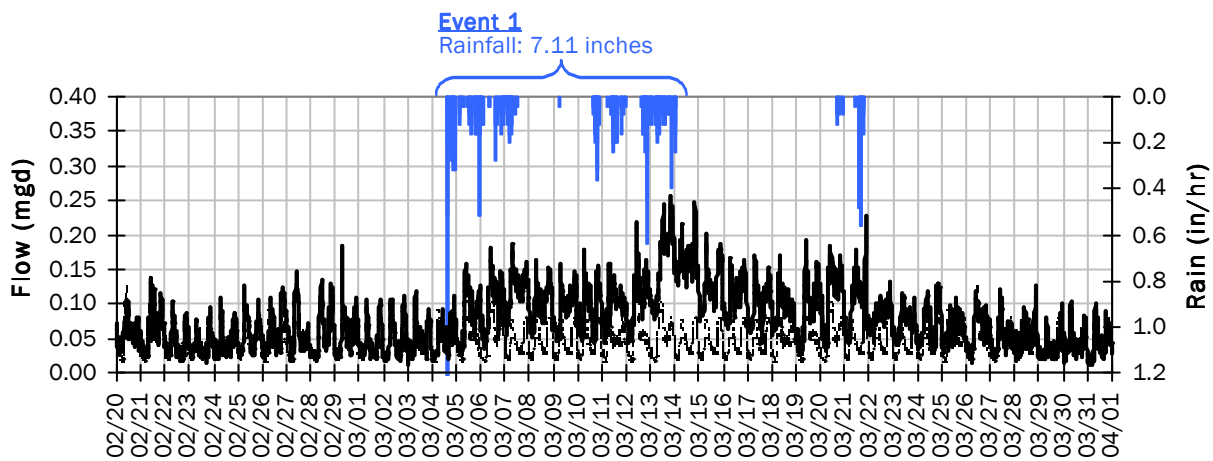




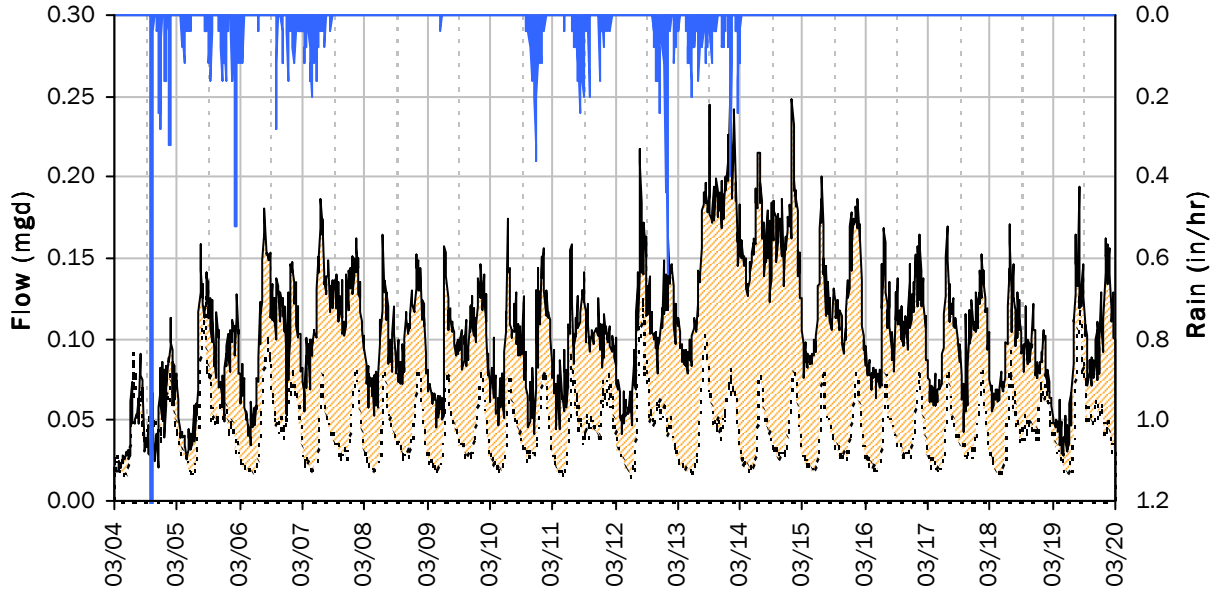
Pipe Diameter:	18	*inches*
Peak Measured Level:	3.04	*inches*
Peak d/D Ratio:	0.17	

SITE 1
I/I Summary: Event 1

Baseline and Realtime Flows with Rainfall Data over Monitoring Period



Event 1 Detail Graph



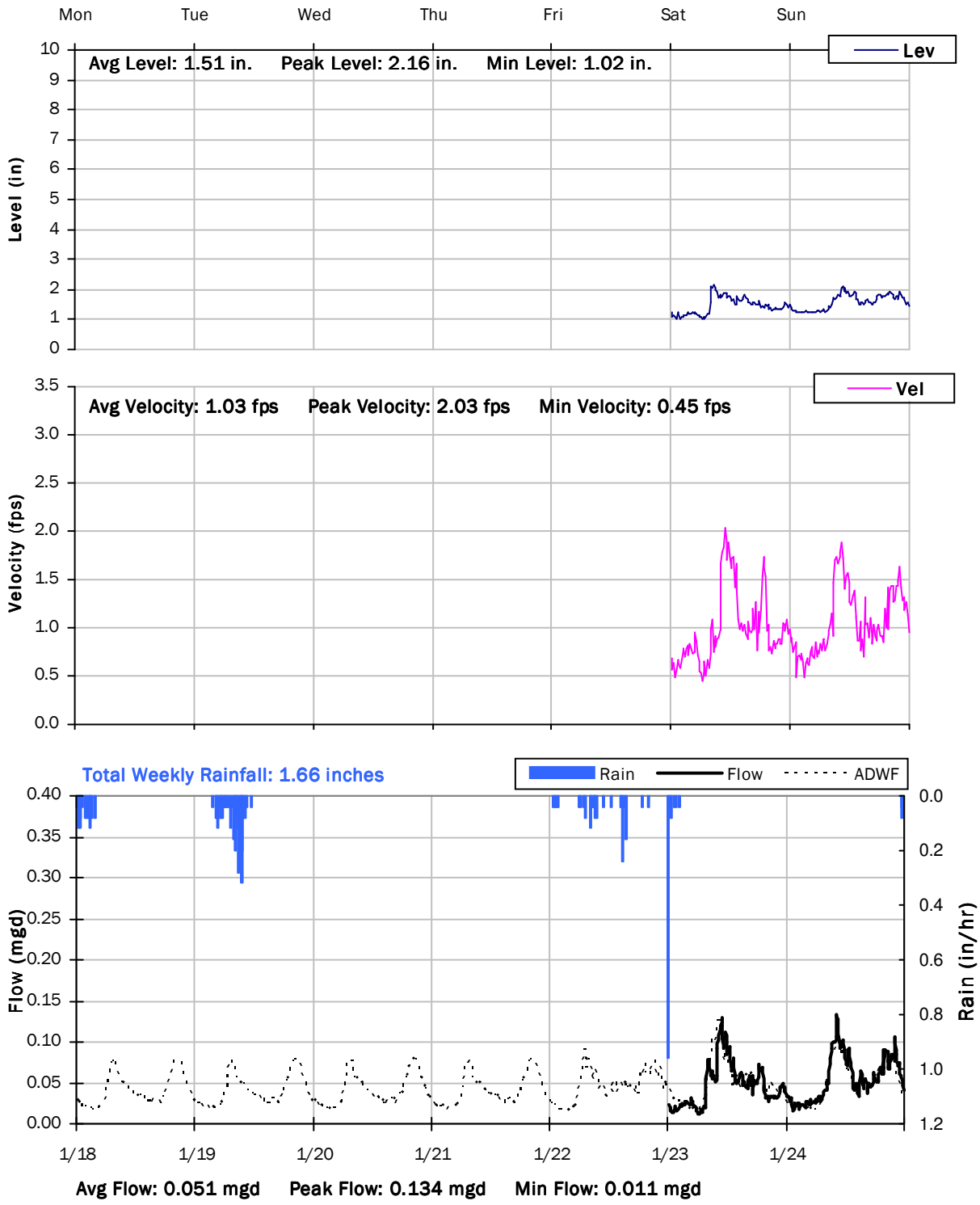
Storm Event I/I Analysis (Rain = 7.11 inches)

Capacity		Inflow / Infiltration	
Peak Flow:	0.26 *mgd*	**Peak I/I Rate:**	0.18 *mgd*
PF:	5.84	**Total I/I:**	987,000 *gallons*
Peak Level:	2.83 *in*		
d/D Ratio:	0.16		

SITE 1

Weekly Level, Velocity and Flow Hydrographs

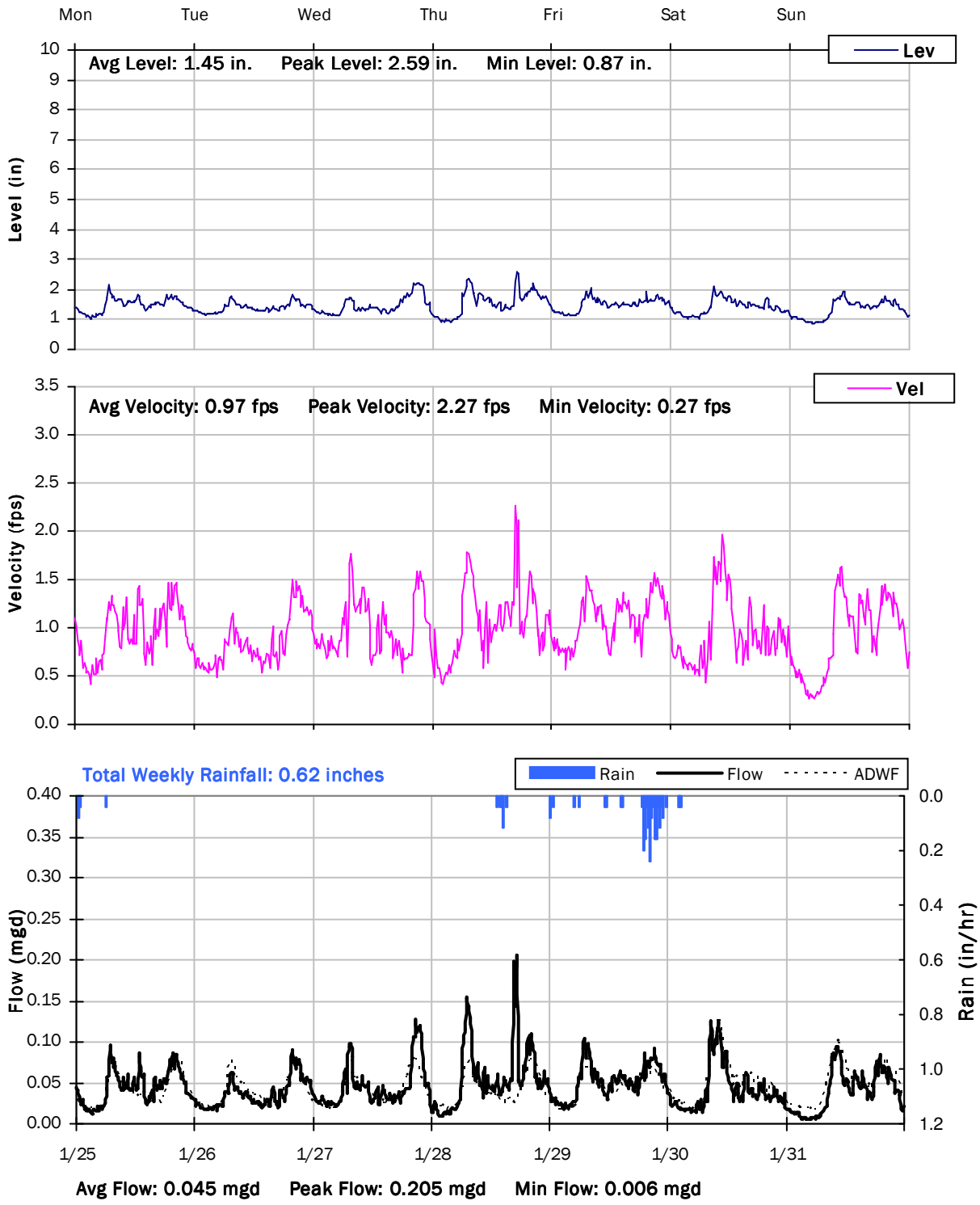
1/18/2016 to 1/25/2016



SITE 1

Weekly Level, Velocity and Flow Hydrographs

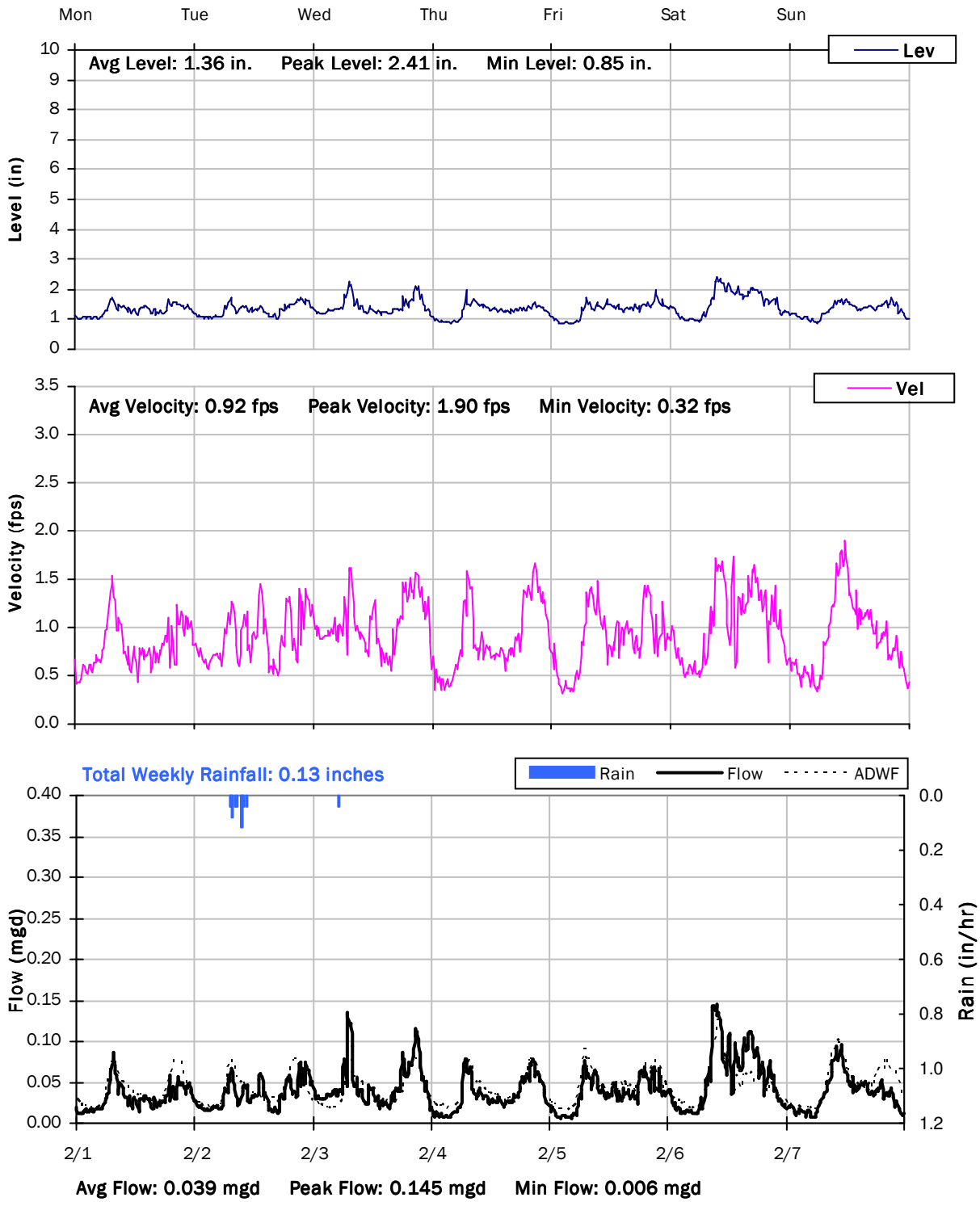
1/25/2016 to 2/1/2016



SITE 1

Weekly Level, Velocity and Flow Hydrographs

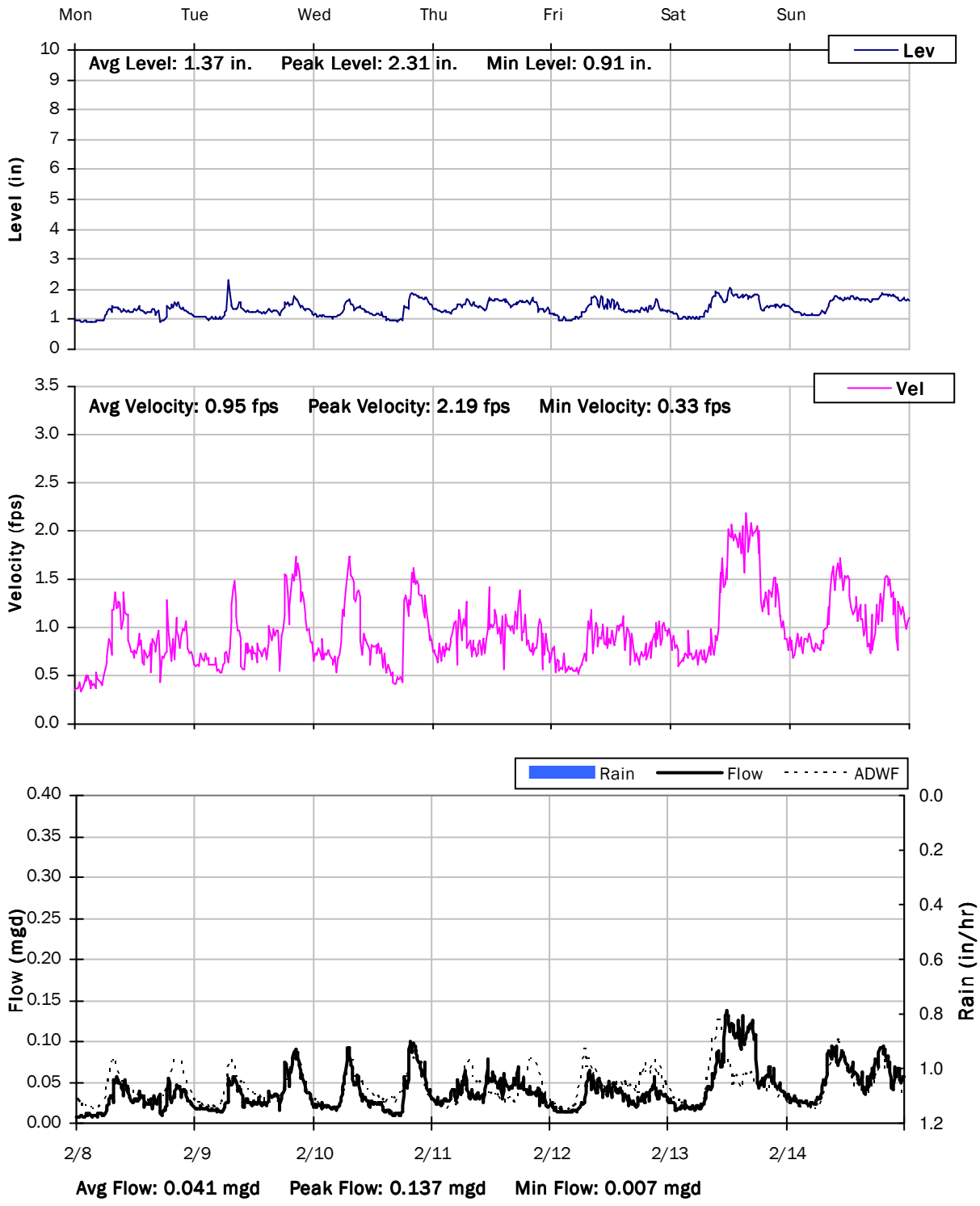
2/1/2016 to 2/8/2016



SITE 1

Weekly Level, Velocity and Flow Hydrographs

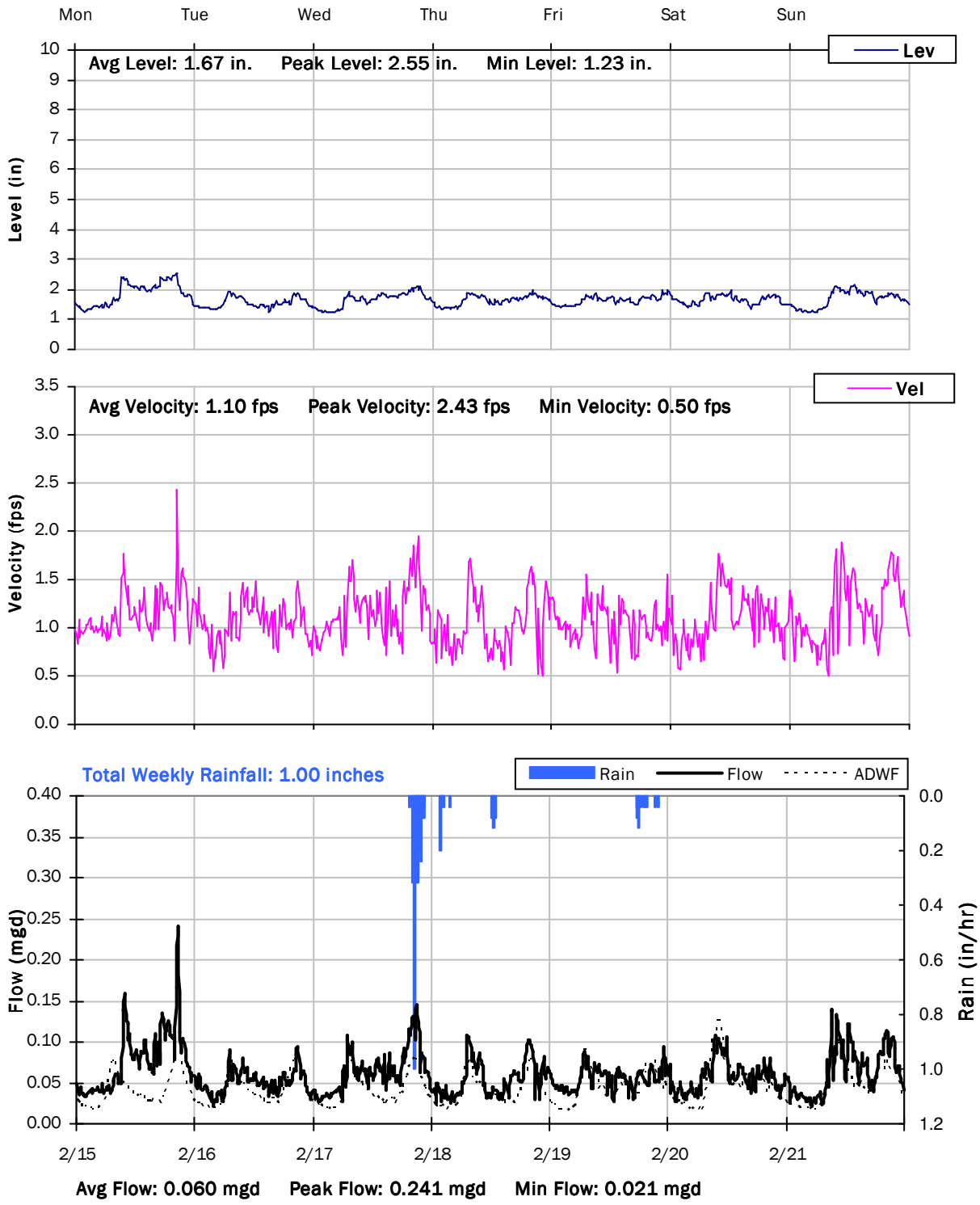
2/8/2016 to 2/15/2016



SITE 1

Weekly Level, Velocity and Flow Hydrographs

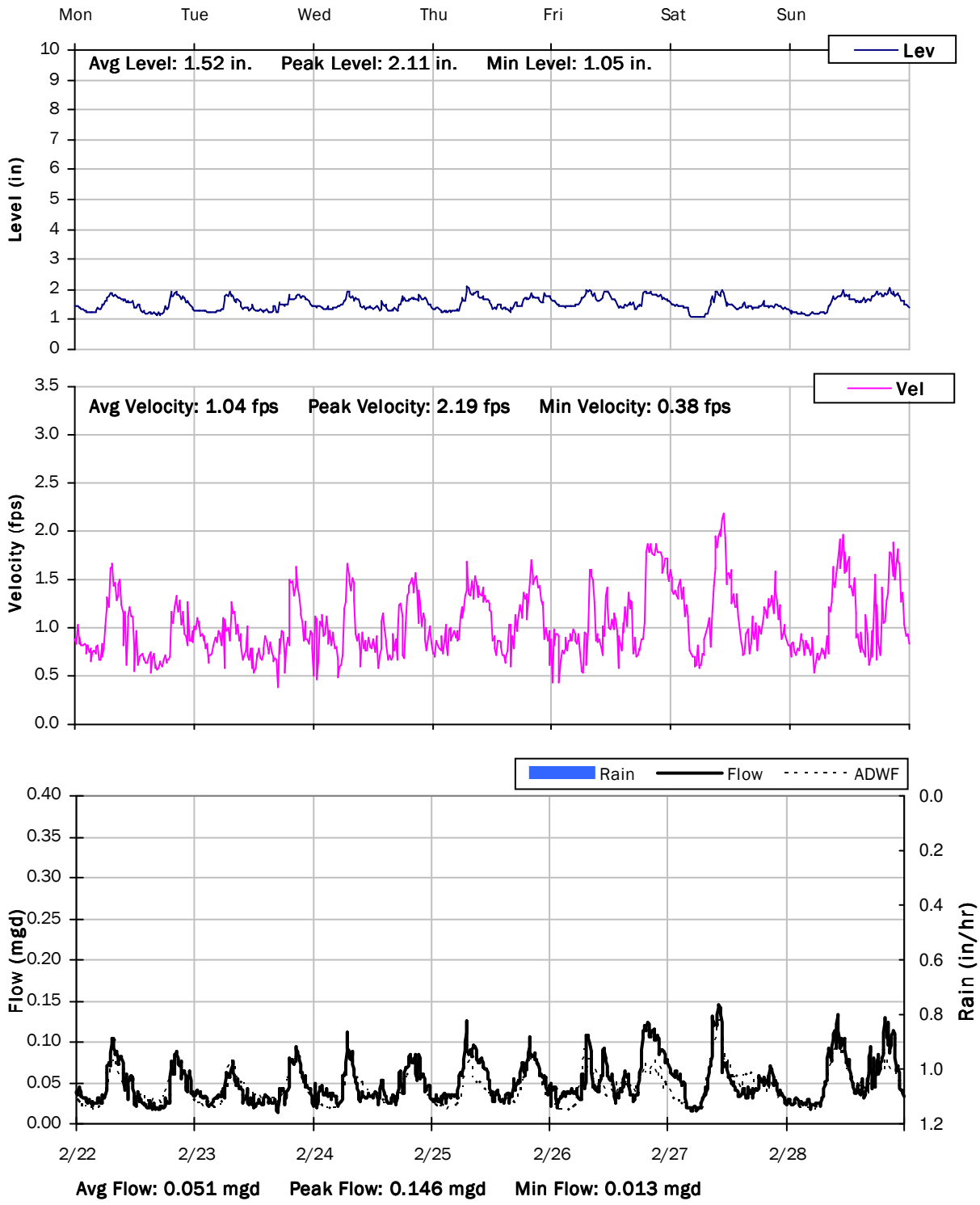
2/15/2016 to 2/22/2016



SITE 1

Weekly Level, Velocity and Flow Hydrographs

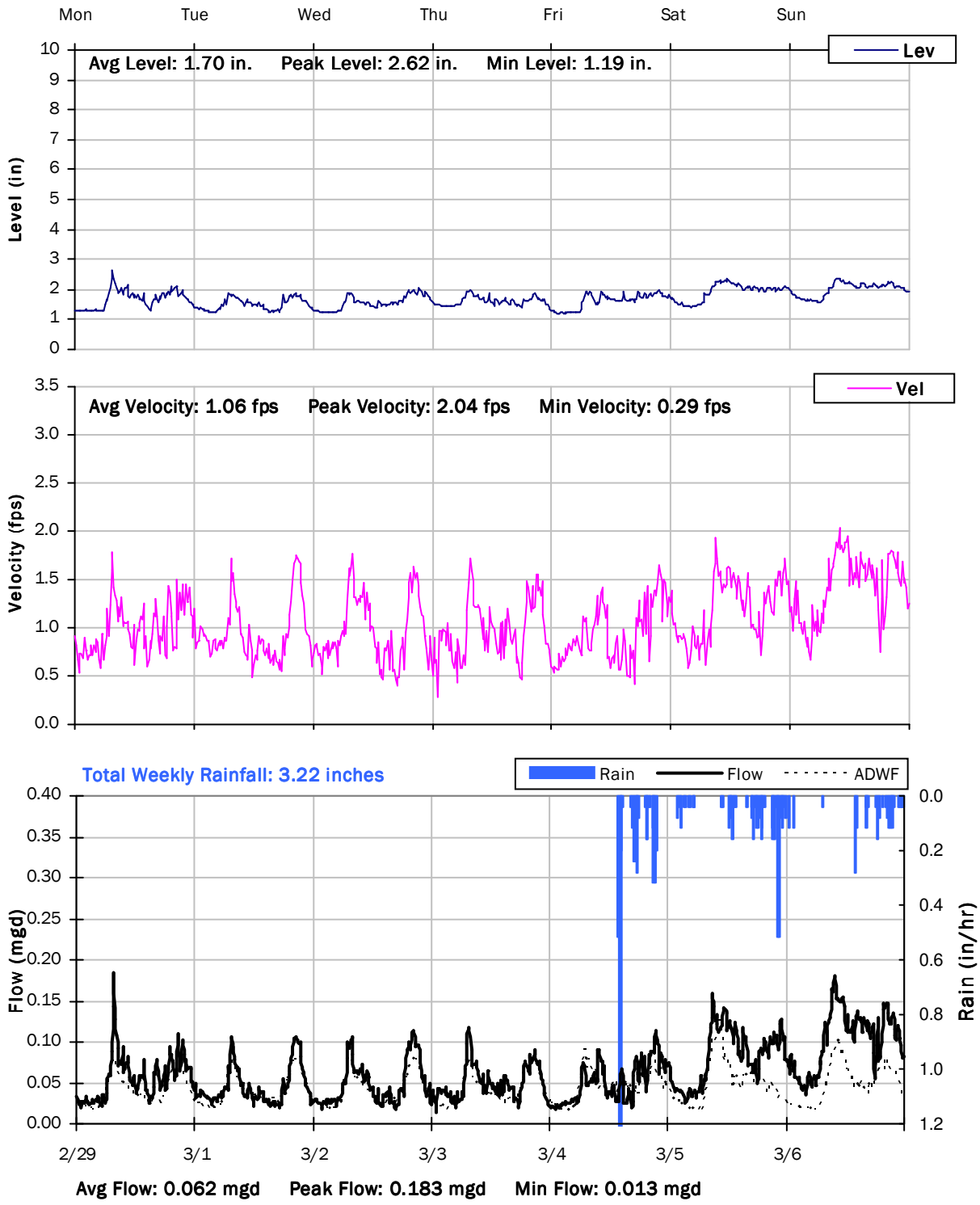
2/22/2016 to 2/29/2016



SITE 1

Weekly Level, Velocity and Flow Hydrographs

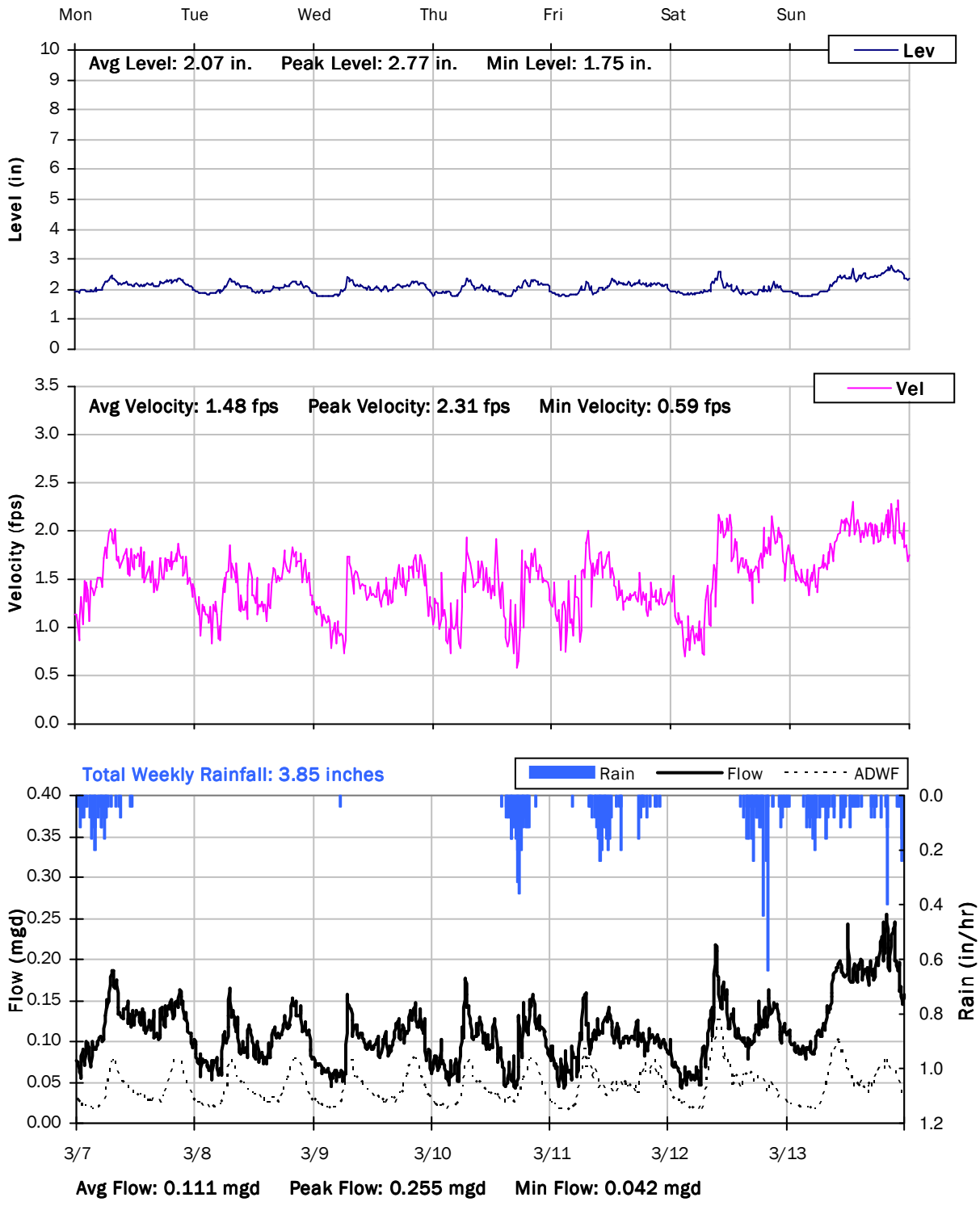
2/29/2016 to 3/7/2016



SITE 1

Weekly Level, Velocity and Flow Hydrographs

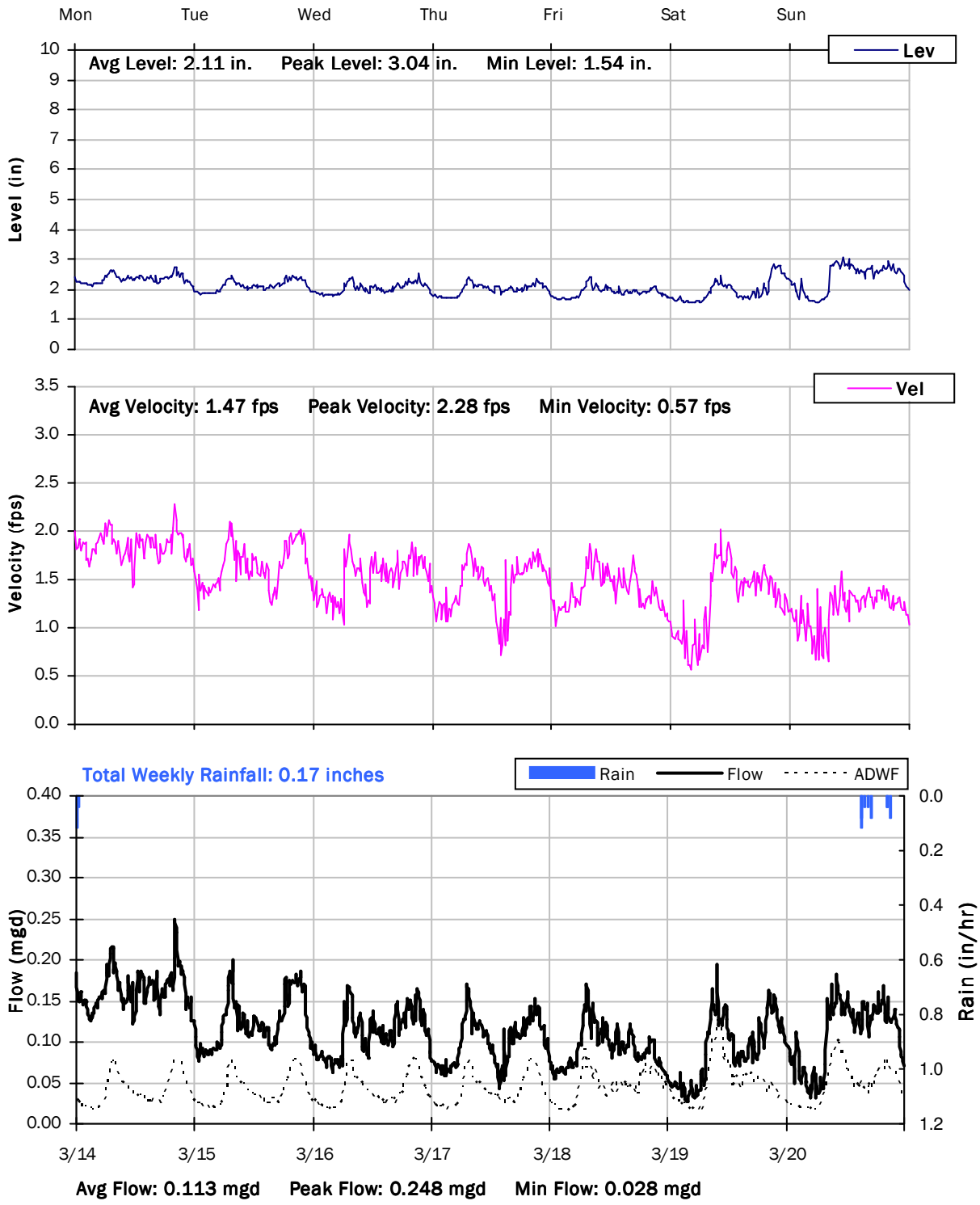
3/7/2016 to 3/14/2016



SITE 1

Weekly Level, Velocity and Flow Hydrographs

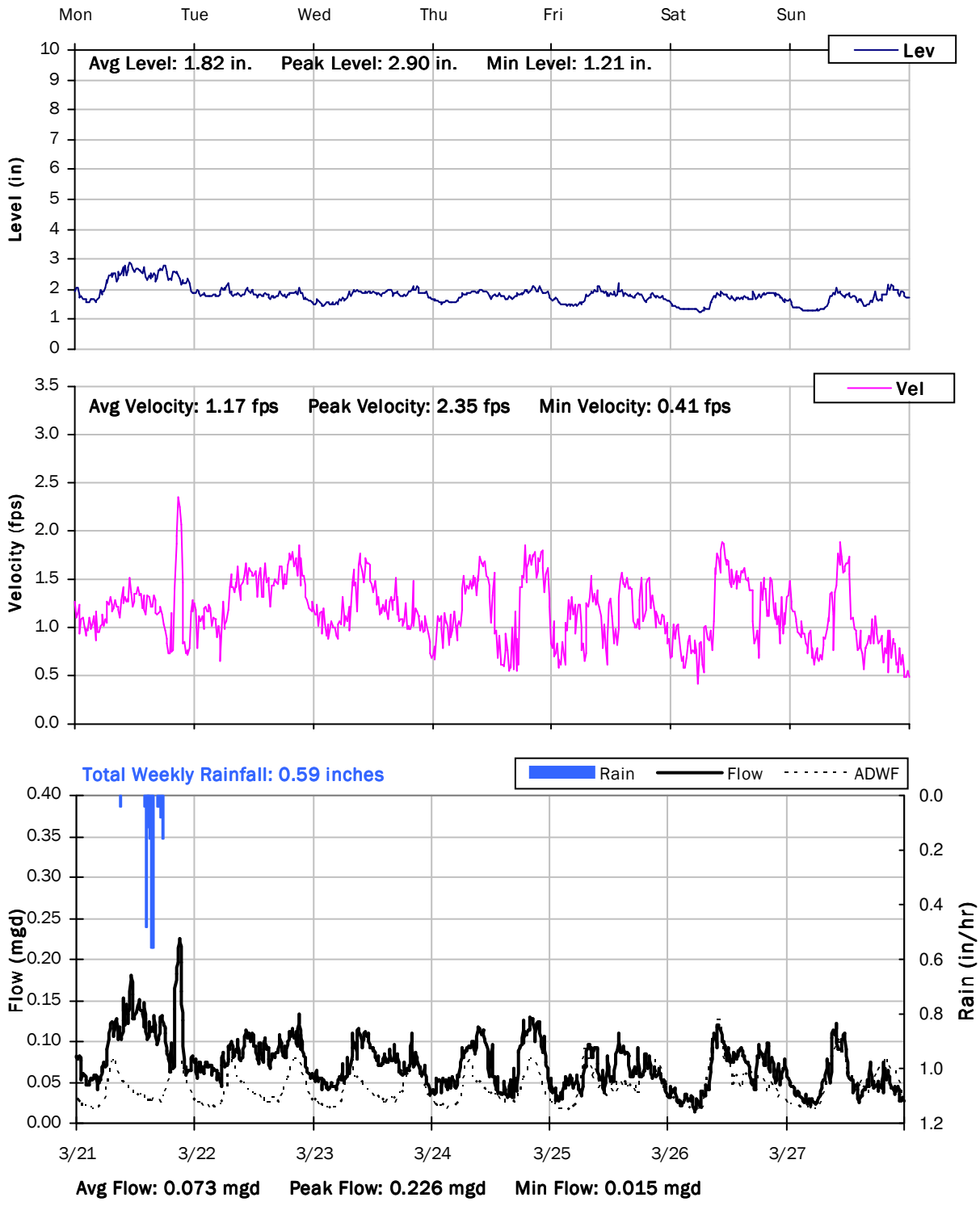
3/14/2016 to 3/21/2016



SITE 1

Weekly Level, Velocity and Flow Hydrographs

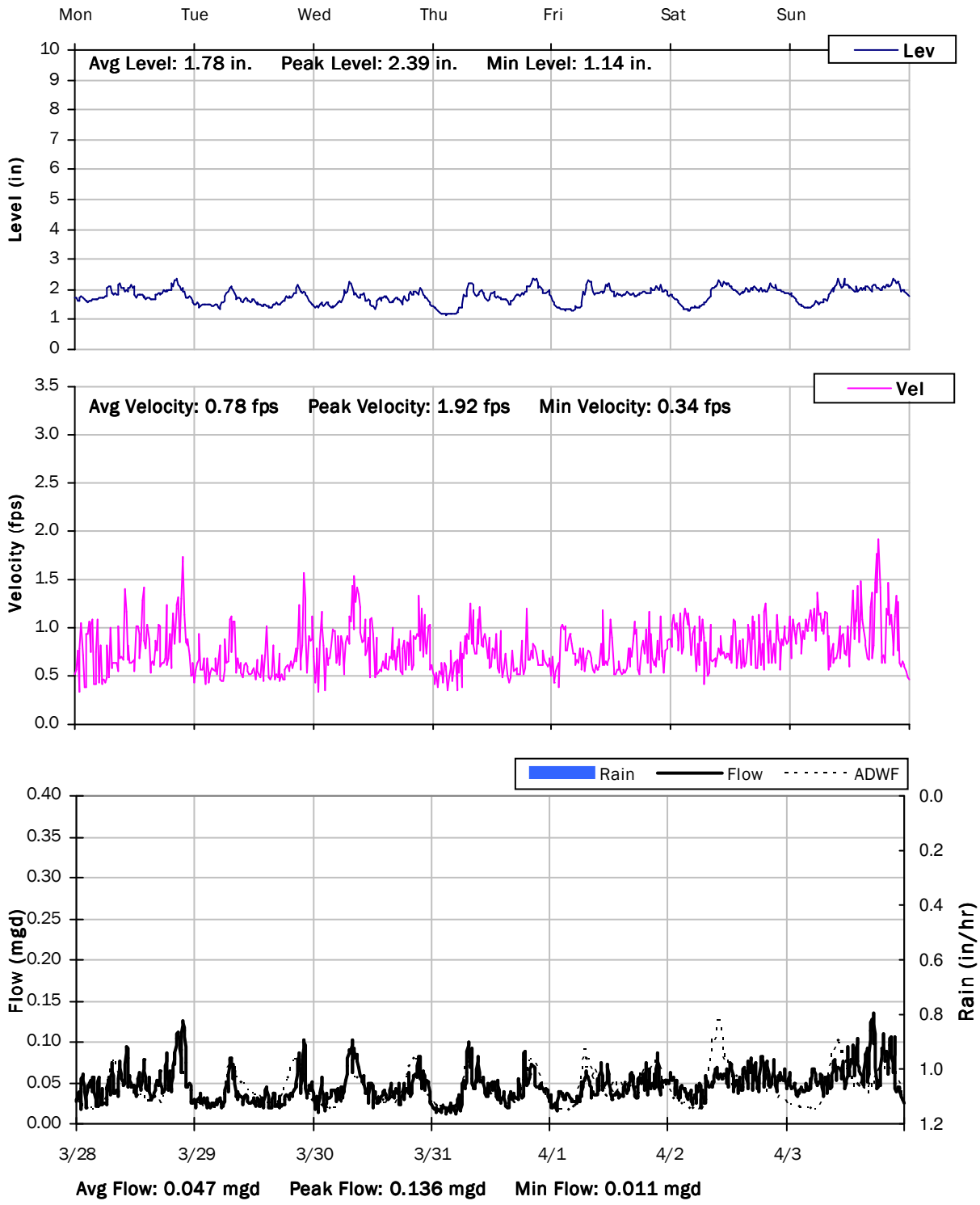
3/21/2016 to 3/28/2016



SITE 1

Weekly Level, Velocity and Flow Hydrographs

3/28/2016 to 4/4/2016



City of Lincoln

Sanitary Sewer Flow Monitoring

Temporary Monitoring: January 23 to April 3, 2016

Monitoring Site: Site 2

Location: On Nicolaus Road, 1600 ft east of Aviation Blvd, middle lane, nearest address 2858-3004 Nicolaus

Data Summary Report

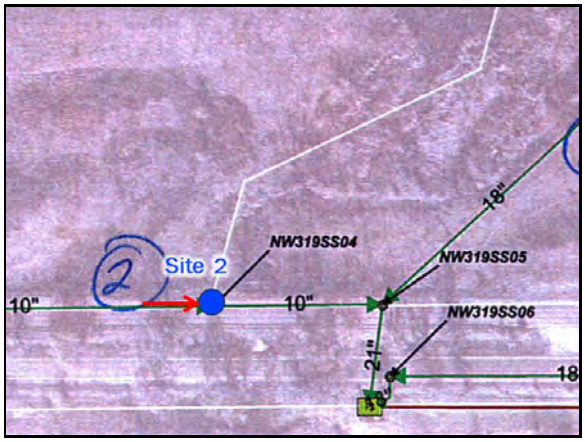
Vicinity Map: Site 2

SITE 2

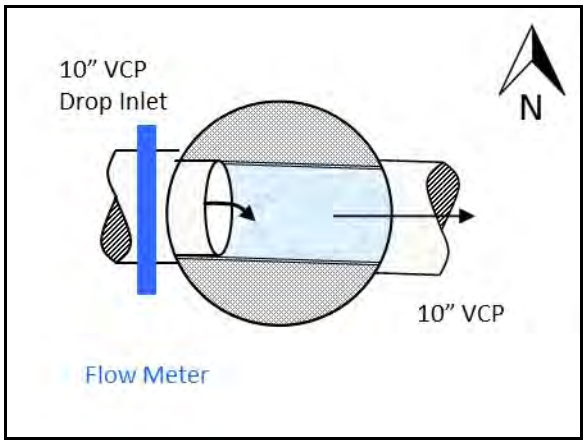
Site Information

Location:	On Nicolaus Road, 1600 ft east of Aviation Blvd, middle lane, nearest address 2858-3004 Nicolaus Road
Coordinates:	121.3343° W, 38.8975° N
Rim Elevation (Earth):	113 feet
Pipe Diameter:	10 inches
ADWF:	0.008 mgd
Peak Measured Flow:	0.183 mgd

Satellite Map



Sanitary Map



Flow Sketch

Street View

Plan View

SITE 2

Additional Site Photos

Influent Pipe

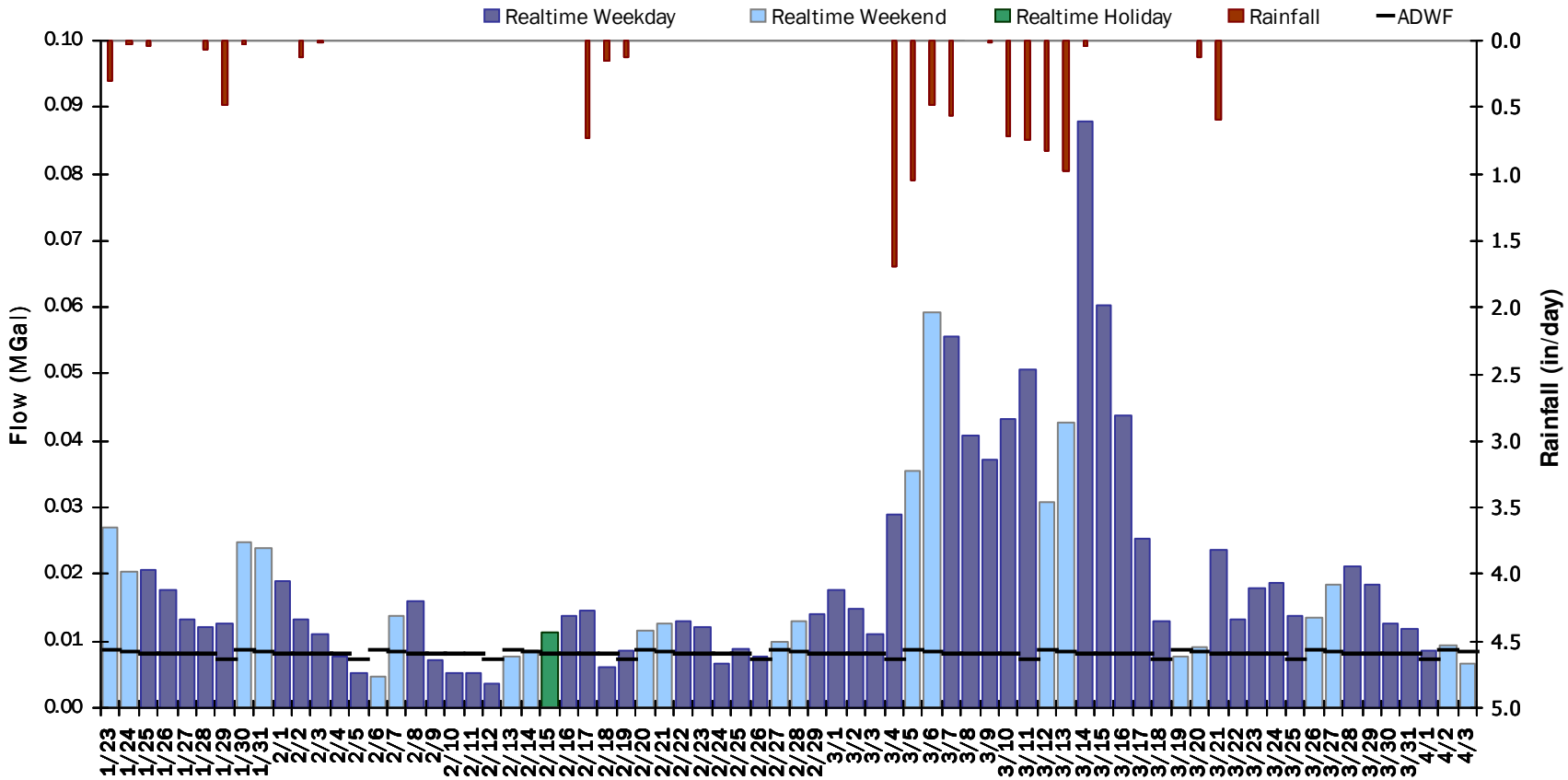
Effluent Pipe

SITE 2

Period Flow Summary: Daily Flow Totals

Avg Period Flow: 0.019 MGal **Peak Daily Flow: 0.088 MGal** **Min Daily Flow: 0.004 MGal**

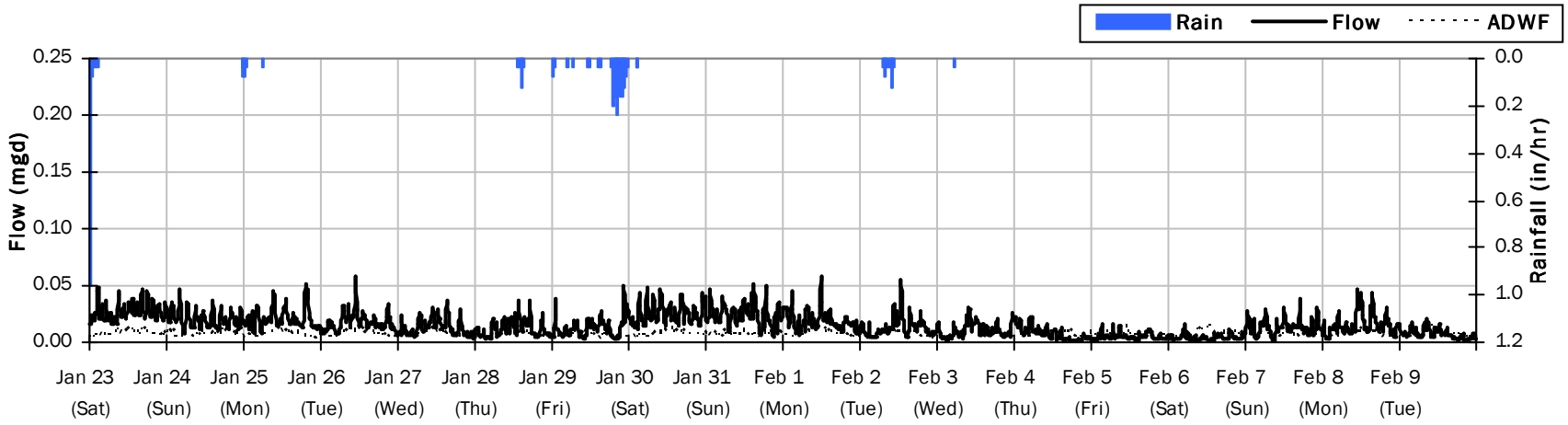
Total Period Rainfall: 9.91 inches

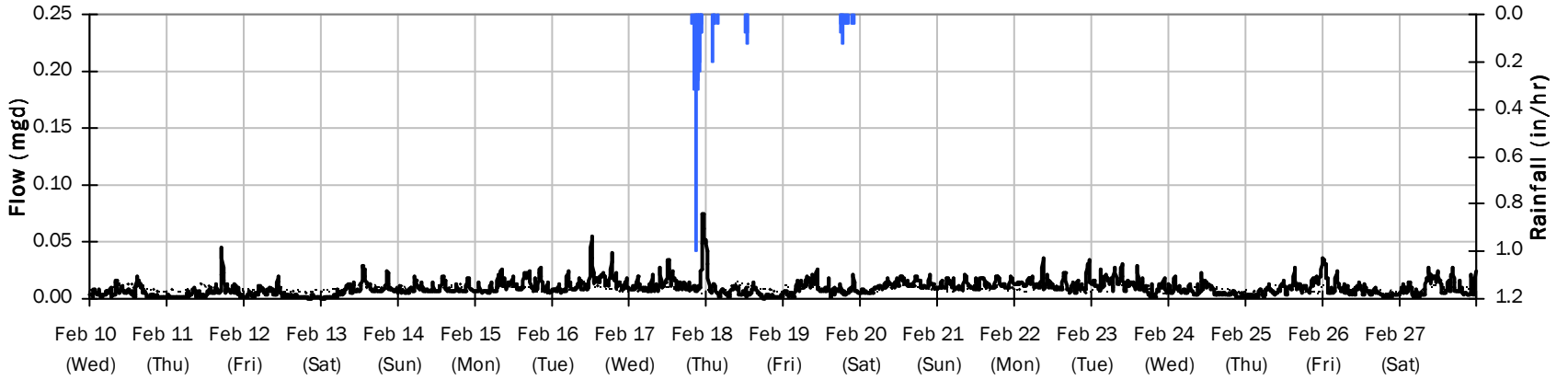


SITE 2

Flow Summary: 1/23/2016 to 2/27/2016

Total Period Rainfall: 2.08 inches **Avg Flow: 0.012 mgd** **Peak Flow: 0.075 mgd** **Min Flow: 0.001 mgd**

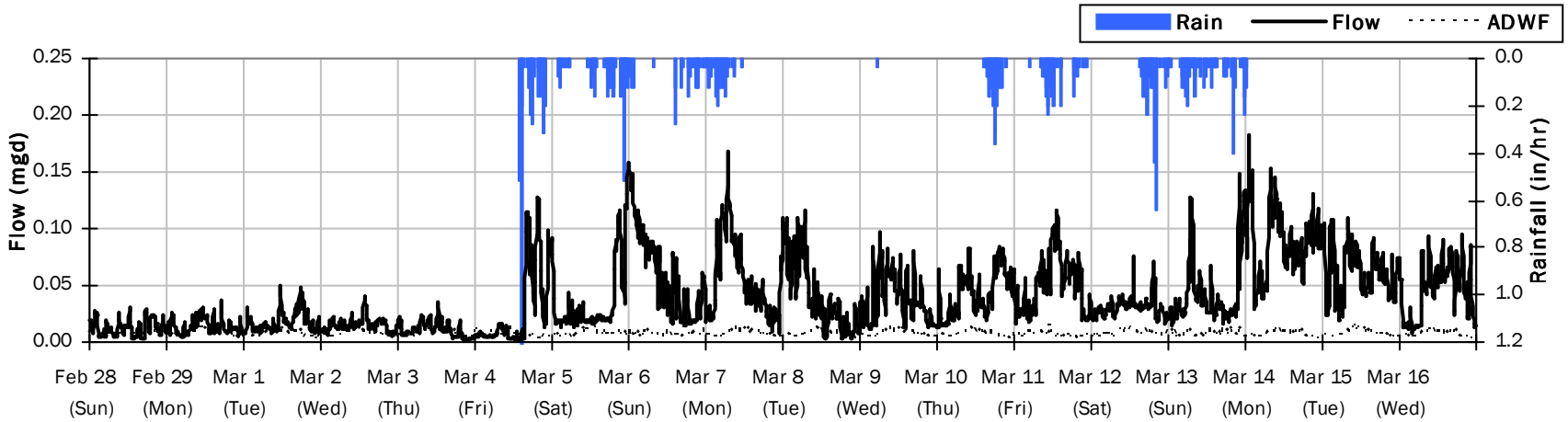


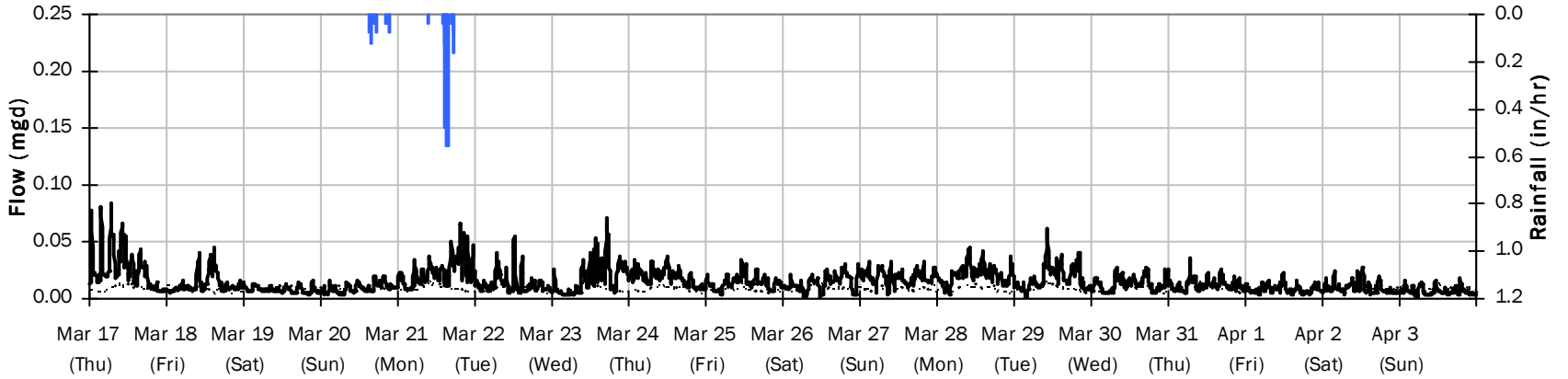


SITE 2

Flow Summary: 2/28/2016 to 4/3/2016

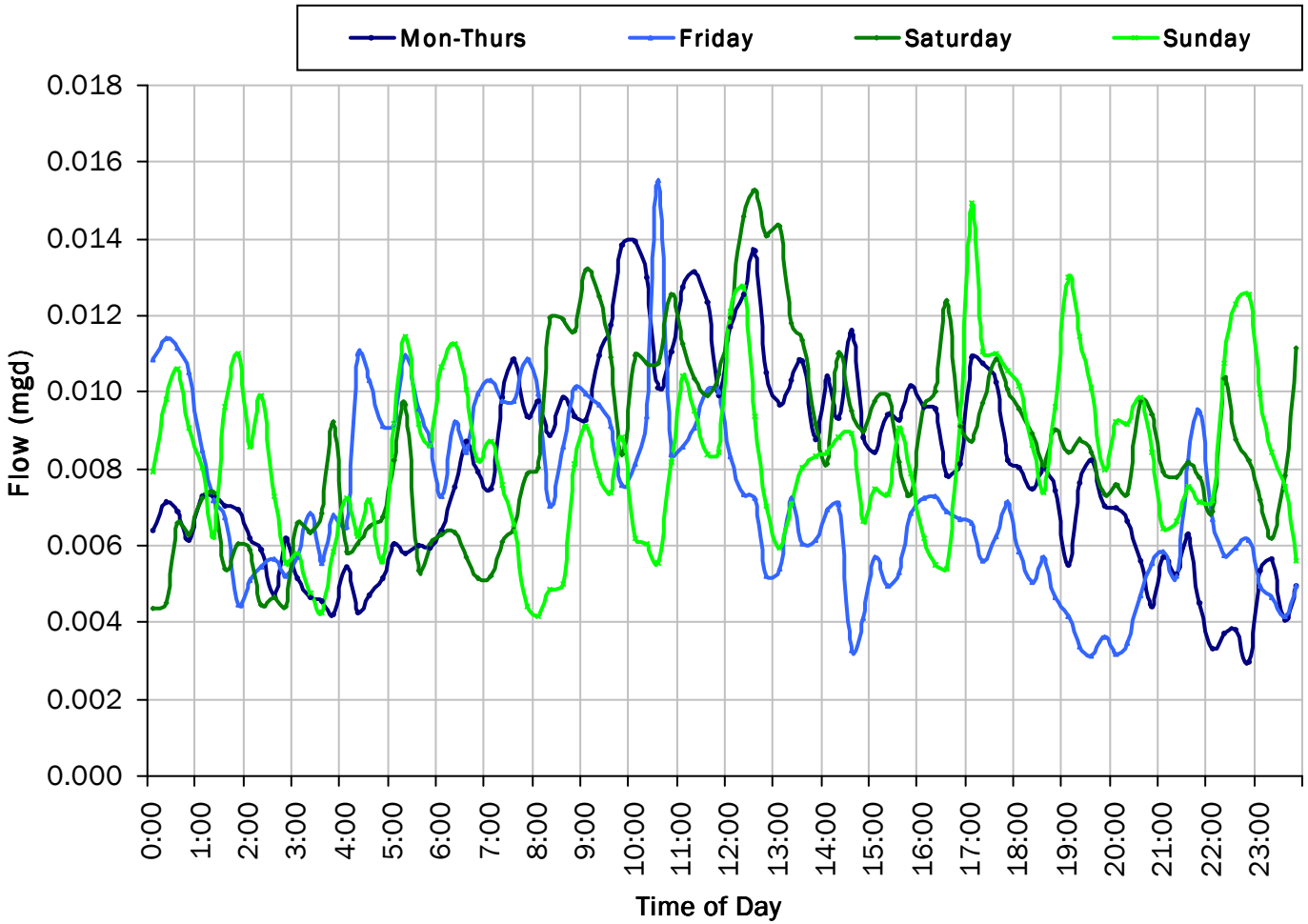
Total Period Rainfall: 7.83 inches **Avg Flow: 0.026 mgd** **Peak Flow: 0.183 mgd** **Min Flow: 0.001 mgd**





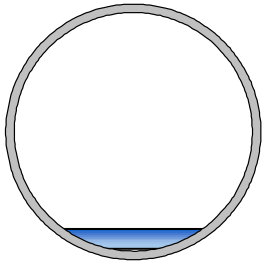
SITE 2

Average Dry Weather Flow Hydrographs



ADWF:

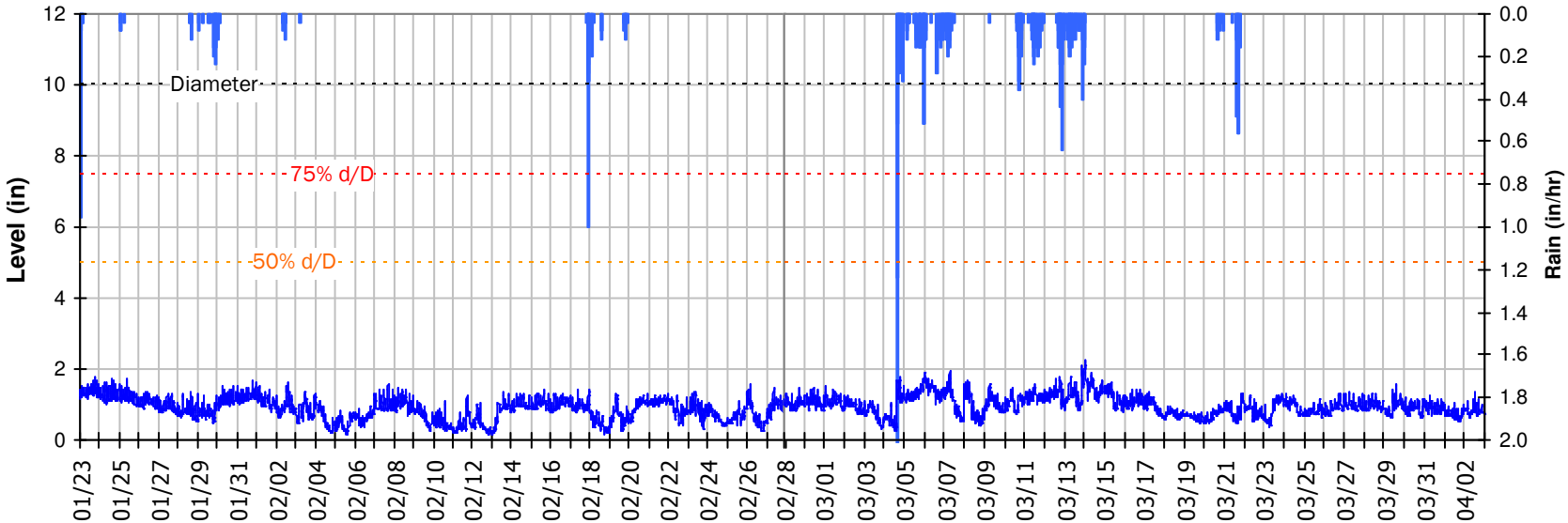
0.008 *mgd*

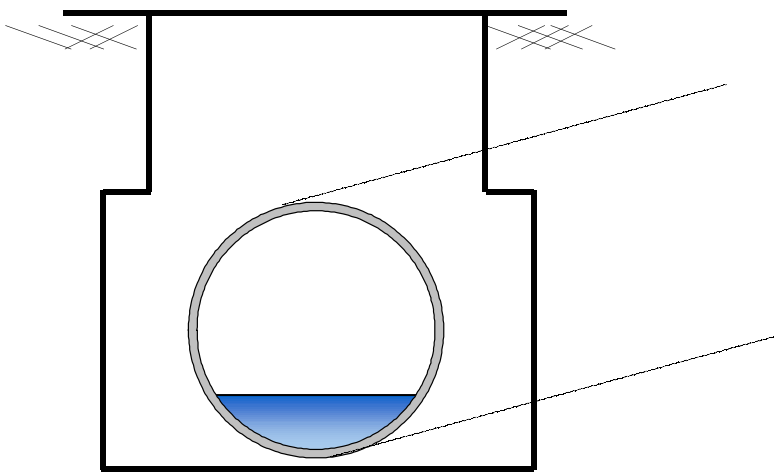


SITE 2

Site Capacity and Surcharge Summary

Realtime Flow Levels with Rainfall Data over Monitoring Period

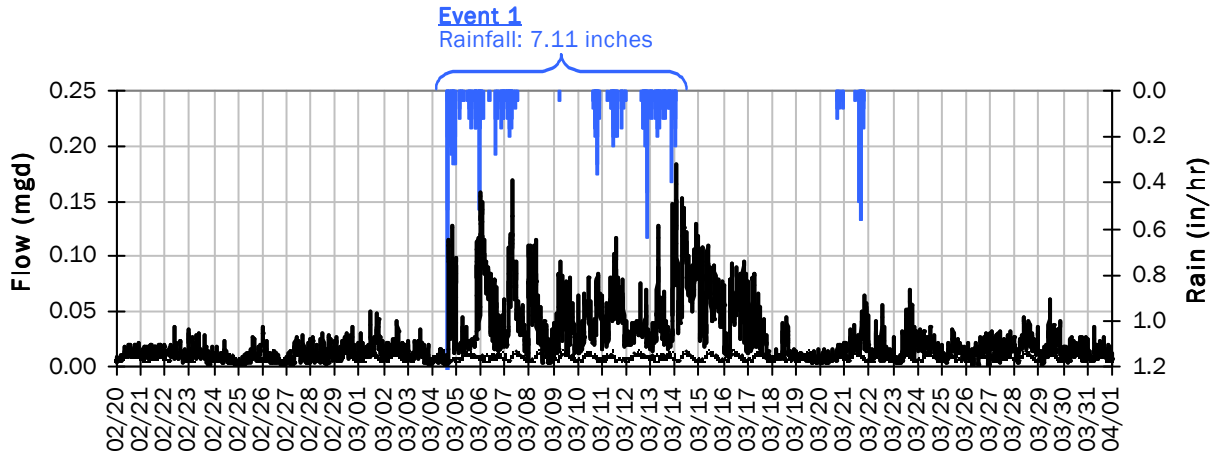




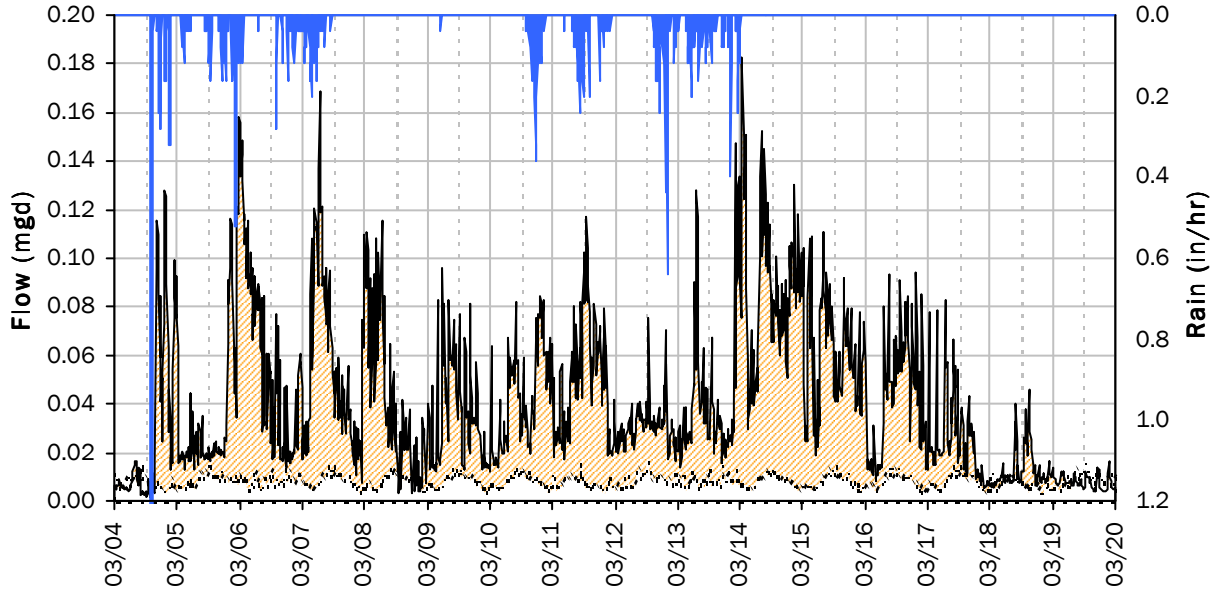
Pipe Diameter:	10	*inches*
Peak Measured Level:	2.26	*inches*
Peak d/D Ratio:	0.23	

SITE 2
I/I Summary: Event 1

Baseline and Realtime Flows with Rainfall Data over Monitoring Period



Event 1 Detail Graph



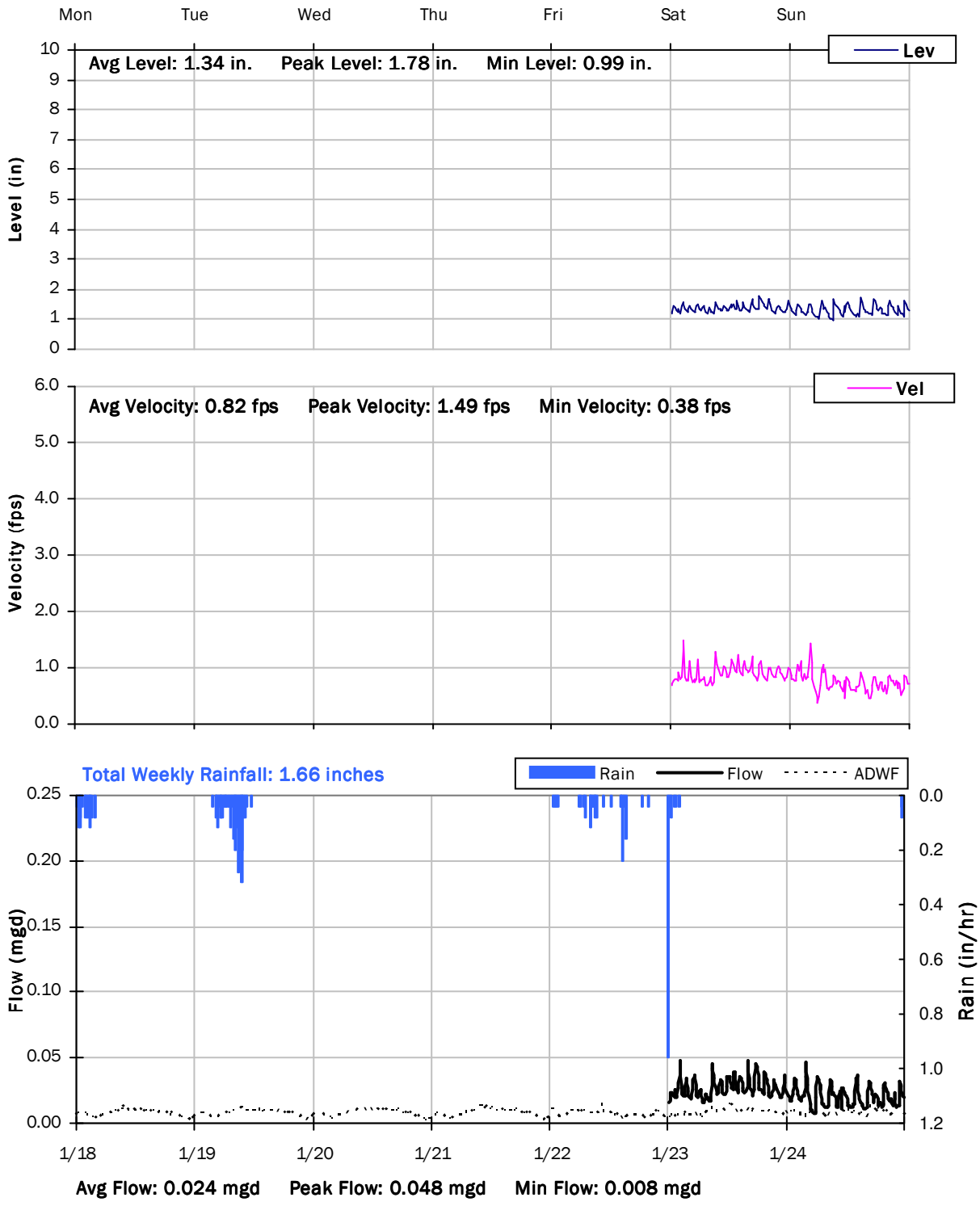
Storm Event I/I Analysis (Rain = 7.11 inches)

Capacity		Inflow / Infiltration	
Peak Flow:	0.18 *mgd*	**Peak I/I Rate:**	0.18 *mgd*
PF:	22.73	**Total I/I:**	536,000 *gallons*
Peak Level:	2.26 *in*		
d/D Ratio:	0.23		

SITE 2

Weekly Level, Velocity and Flow Hydrographs

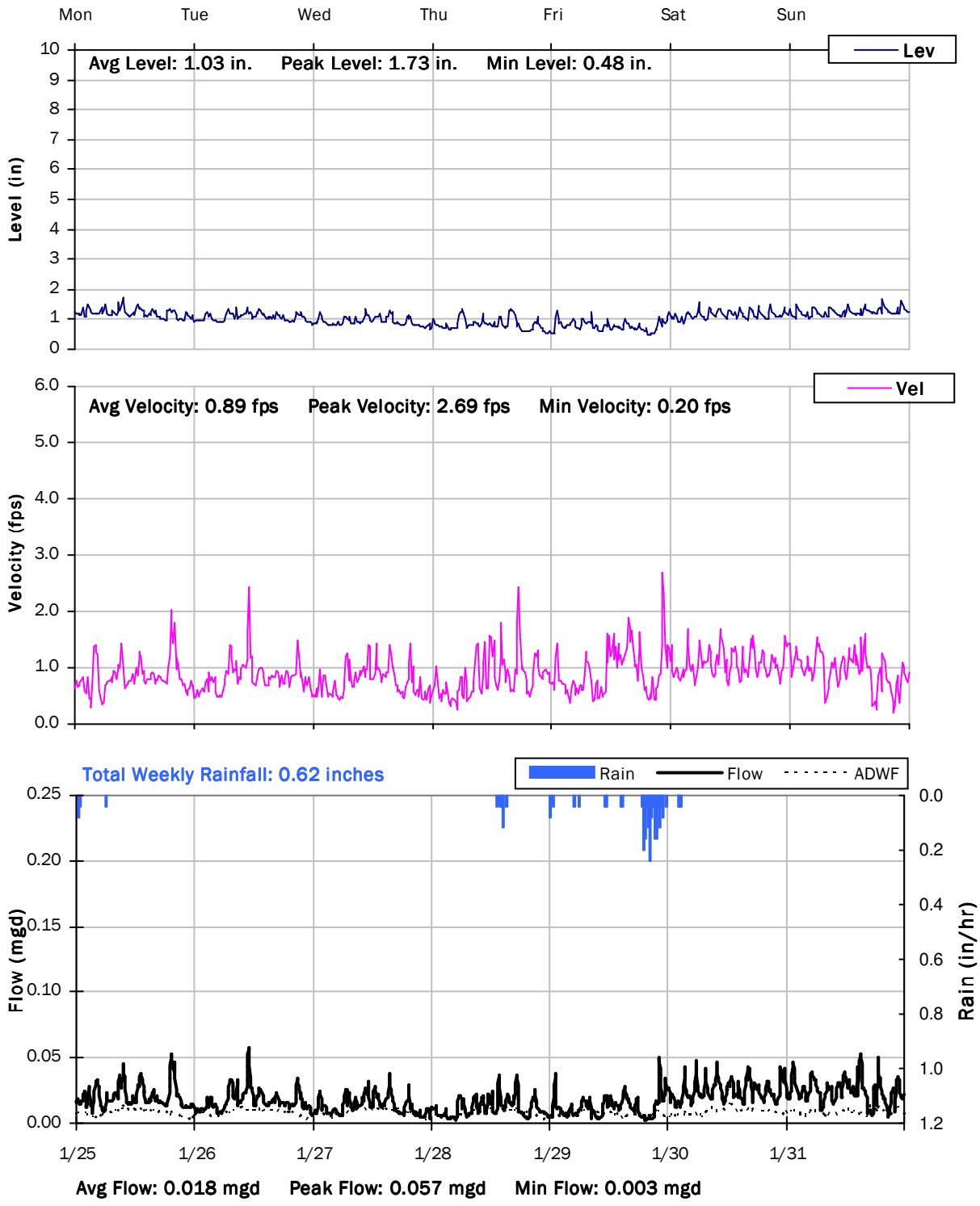
1/18/2016 to 1/25/2016



SITE 2

Weekly Level, Velocity and Flow Hydrographs

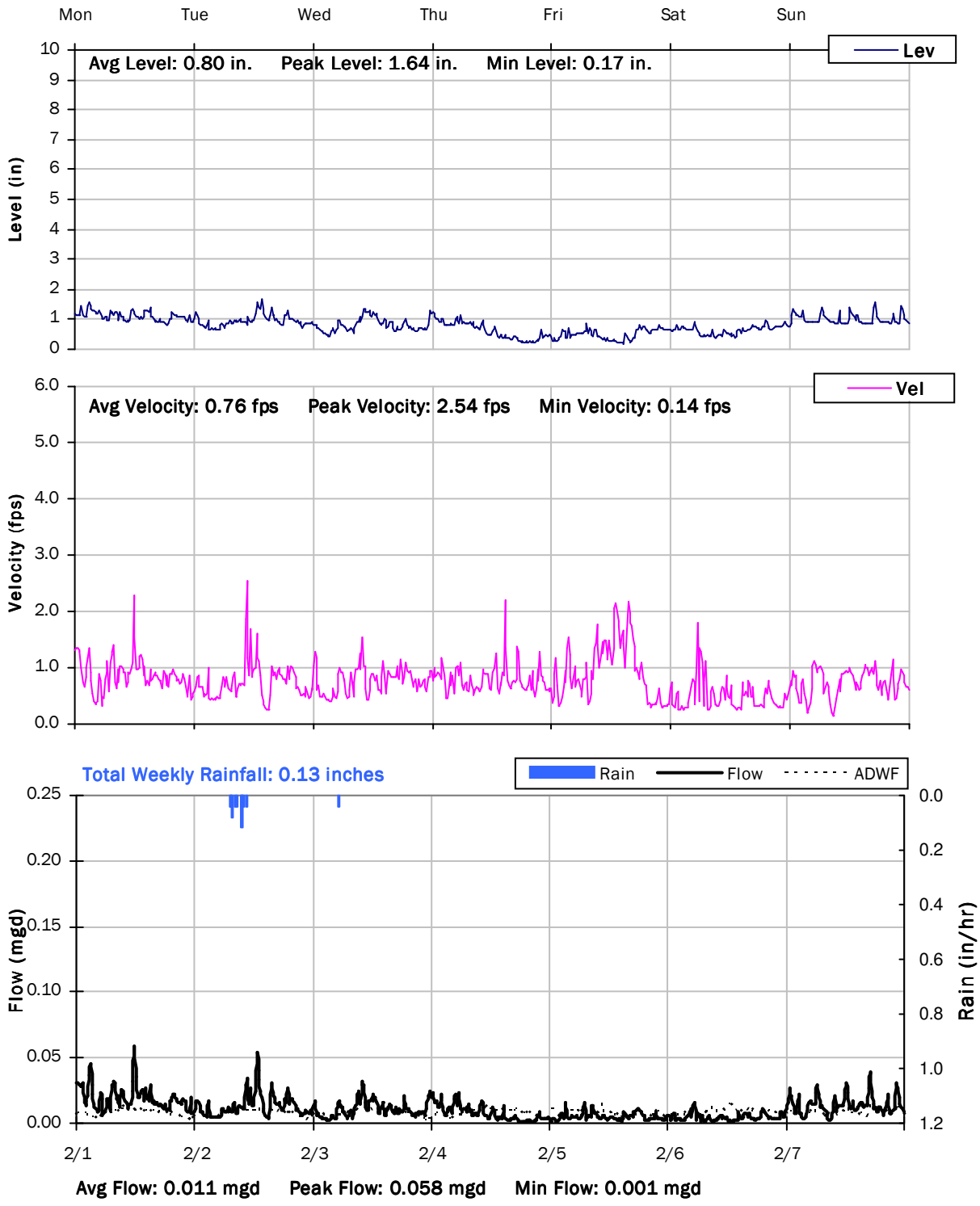
1/25/2016 to 2/1/2016



SITE 2

Weekly Level, Velocity and Flow Hydrographs

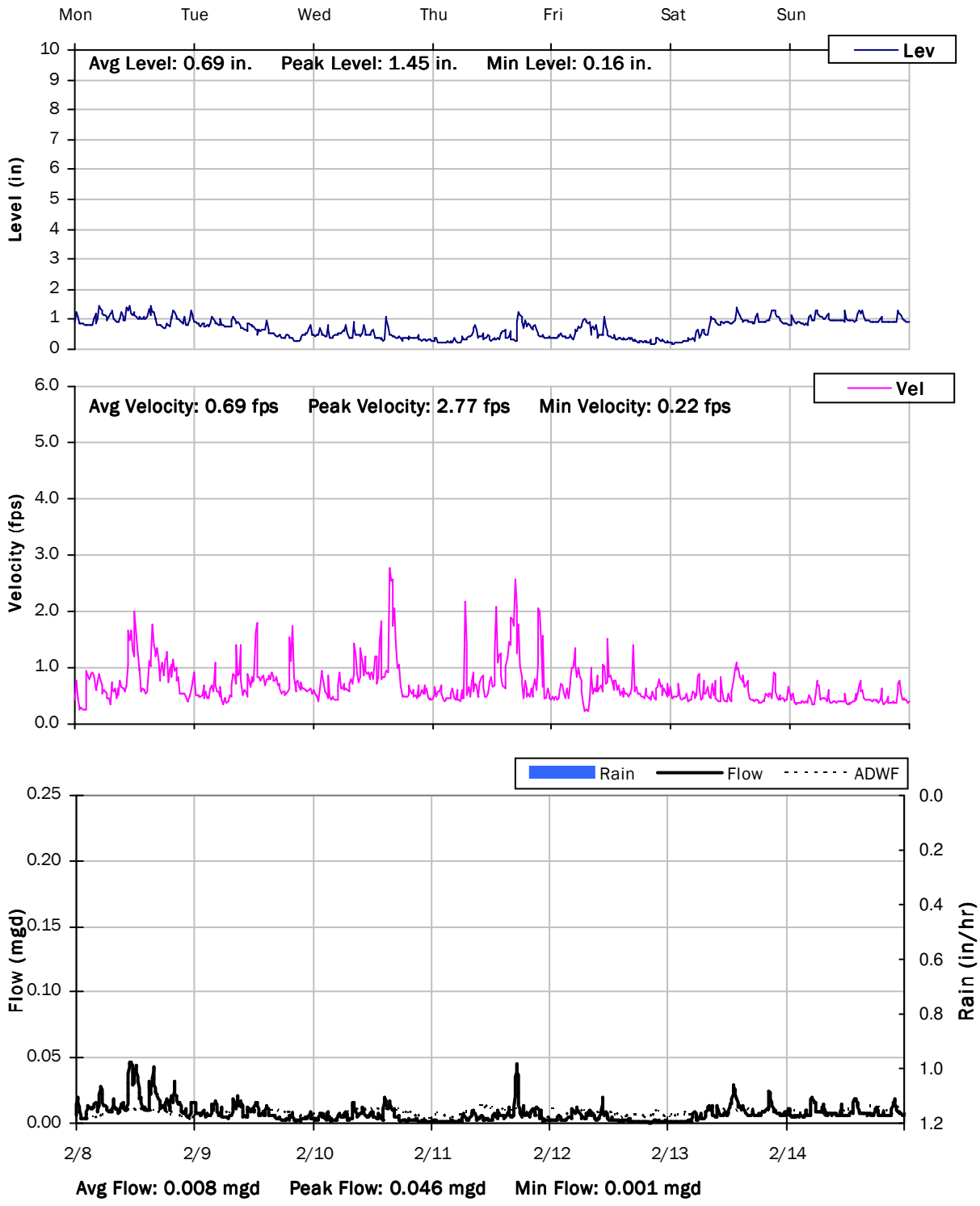
2/1/2016 to 2/8/2016



SITE 2

Weekly Level, Velocity and Flow Hydrographs

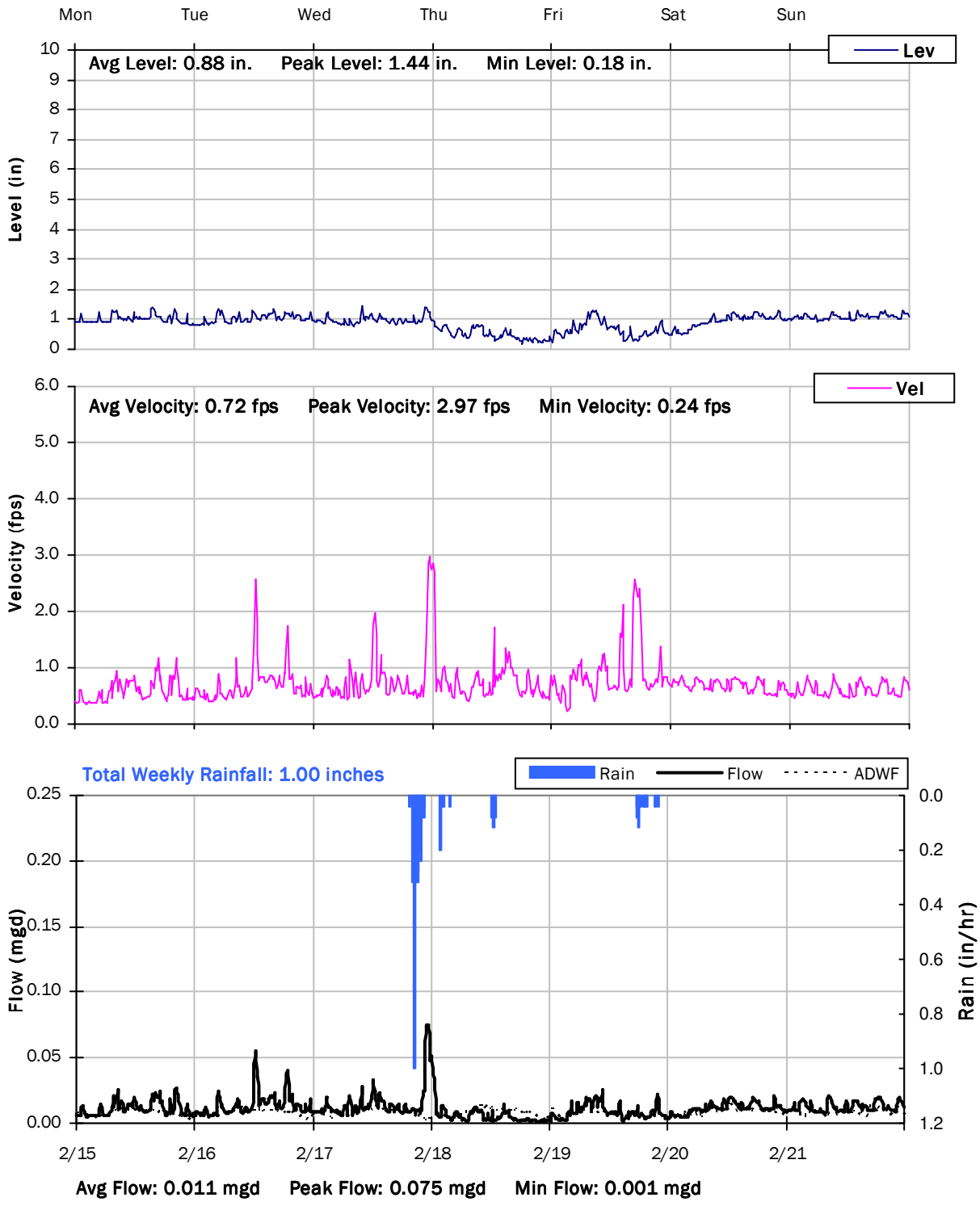
2/8/2016 to 2/15/2016



SITE 2

Weekly Level, Velocity and Flow Hydrographs

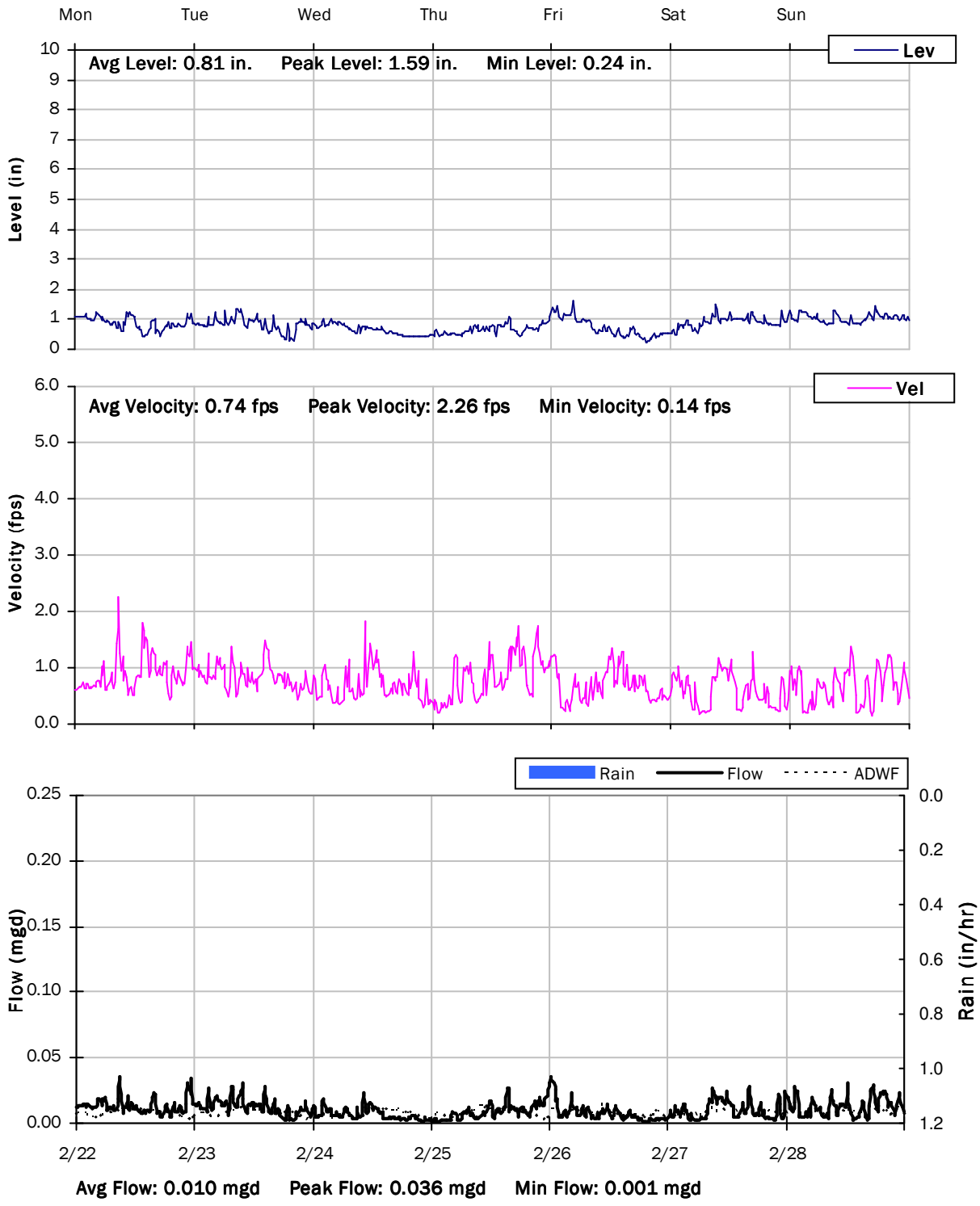
2/15/2016 to 2/22/2016



SITE 2

Weekly Level, Velocity and Flow Hydrographs

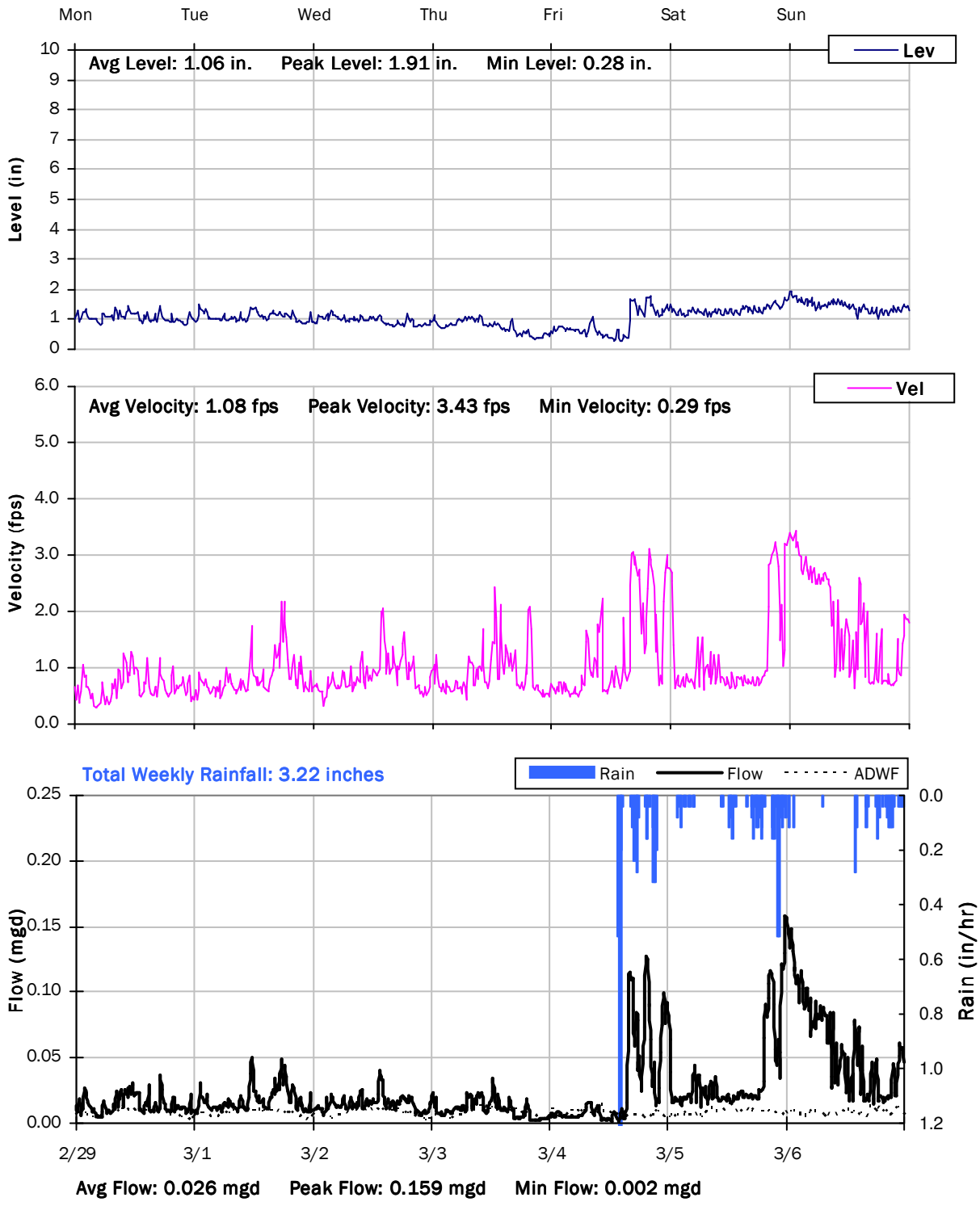
2/22/2016 to 2/29/2016



SITE 2

Weekly Level, Velocity and Flow Hydrographs

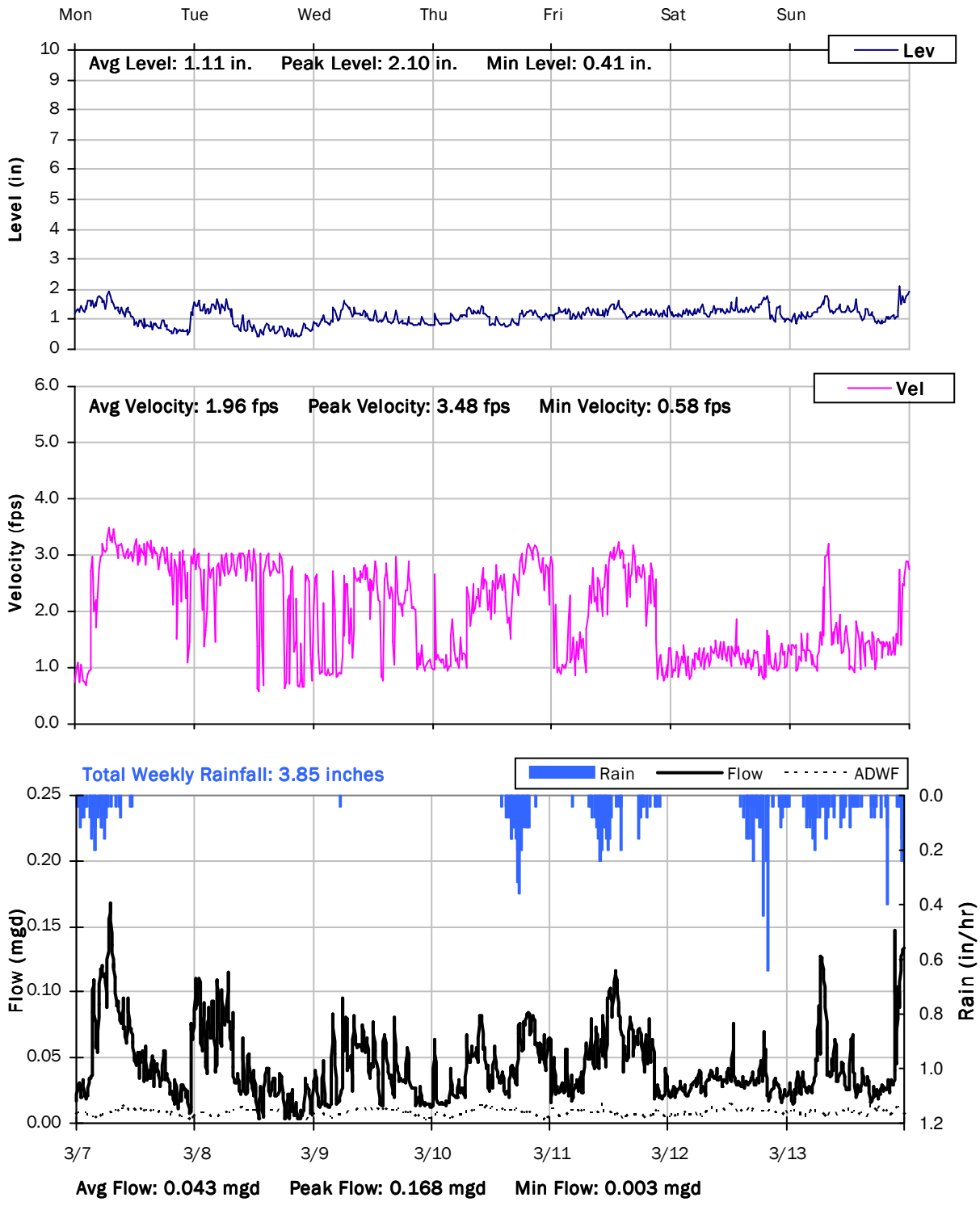
2/29/2016 to 3/7/2016



SITE 2

Weekly Level, Velocity and Flow Hydrographs

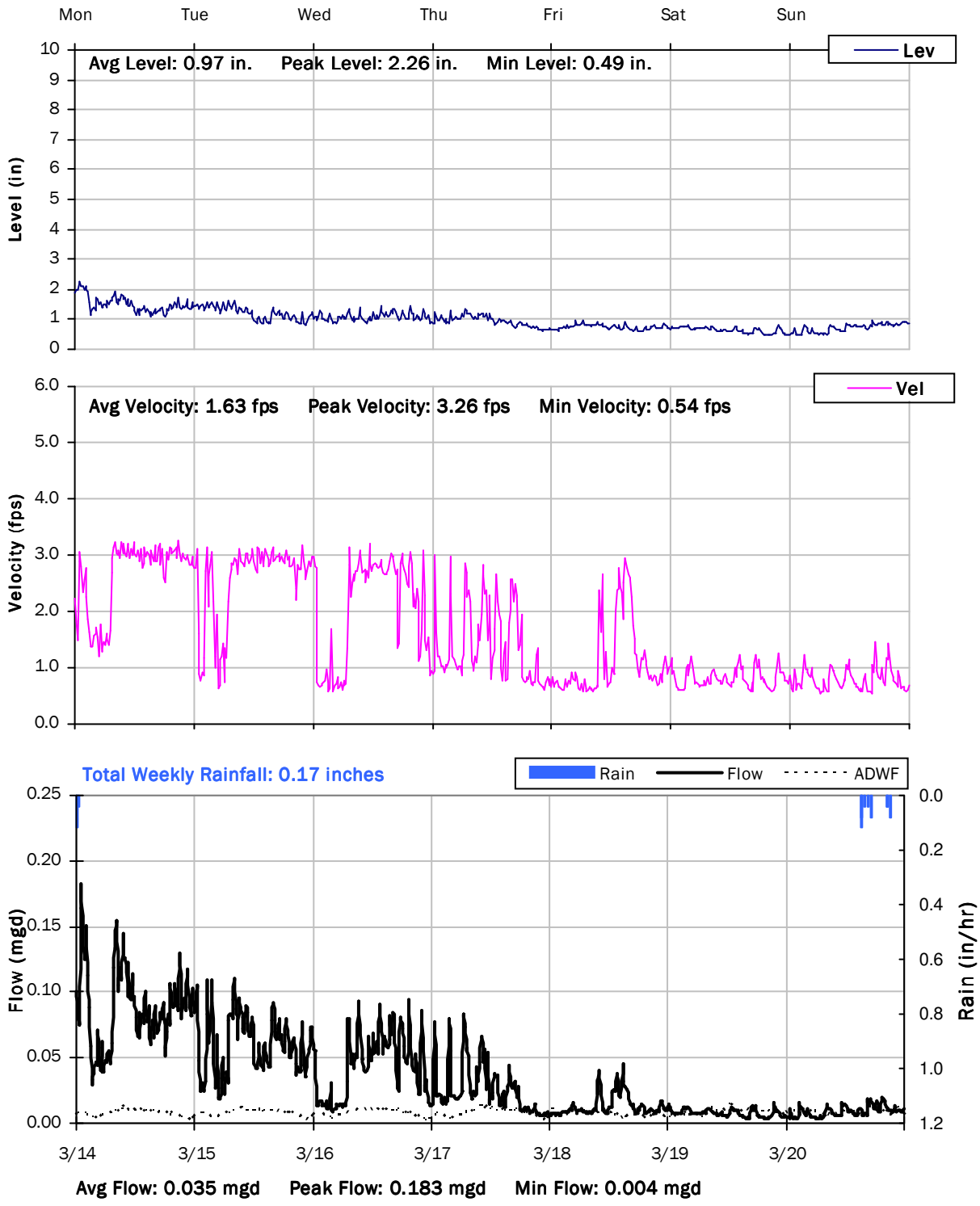
3/7/2016 to 3/14/2016



SITE 2

Weekly Level, Velocity and Flow Hydrographs

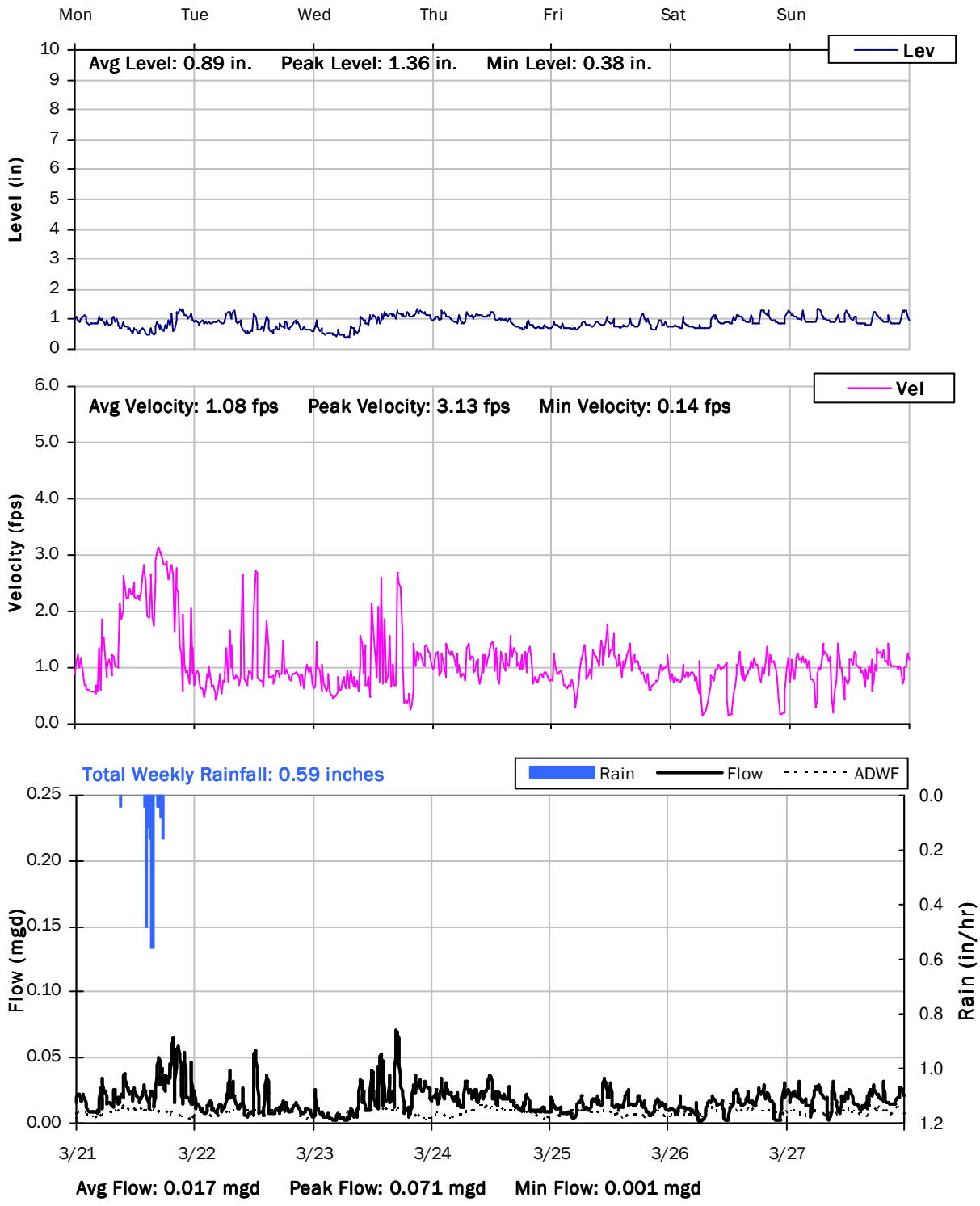
3/14/2016 to 3/21/2016



SITE 2

Weekly Level, Velocity and Flow Hydrographs

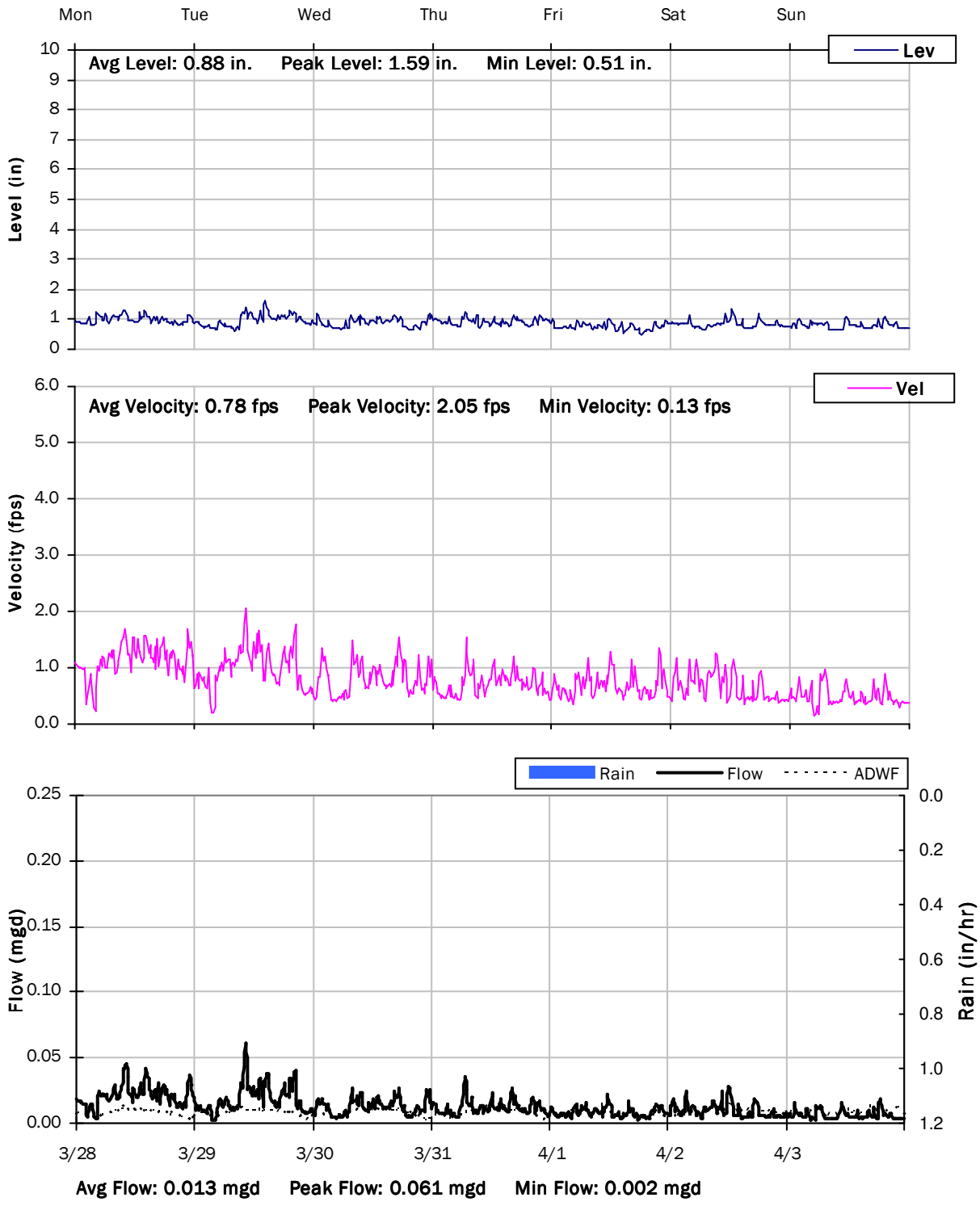
3/21/2016 to 3/28/2016



SITE 2

Weekly Level, Velocity and Flow Hydrographs

3/28/2016 to 4/4/2016



City of Lincoln

Sanitary Sewer Flow Monitoring

Temporary Monitoring: January 23 to April 3, 2016

Monitoring Site: Site 3

Location: Off road, approx. 850 ft NW of 2856 Nicolaus Road parking lot, nearest address 1297 Canvasback Cir.

Data Summary Report

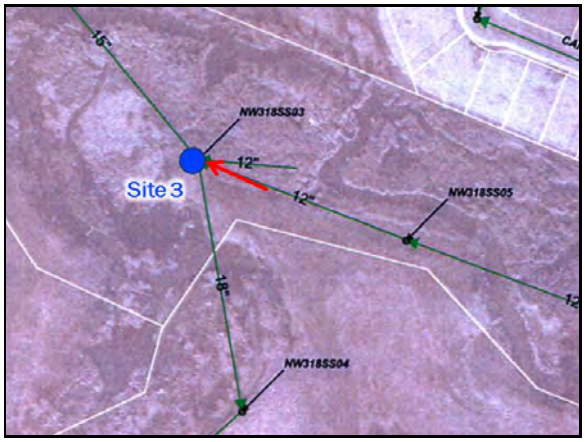
Vicinity Map: Site 3

SITE 3

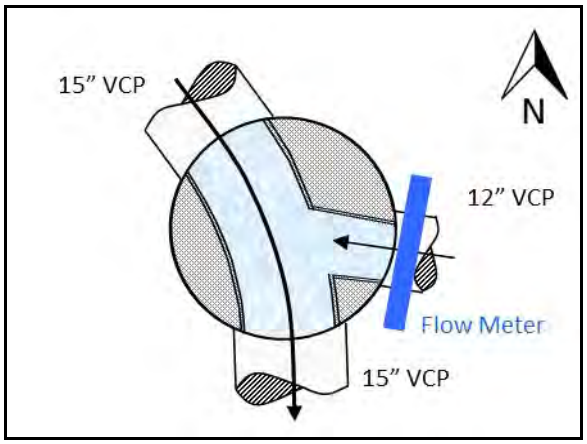
Site Information

Location:	Off road, approx. 850 ft NW of 2856 Nicolaus Road parking lot, nearest address 1297 Canvasback Cir.
Coordinates:	121.3330° W, 38.8991° N
Rim Elevation (Earth):	116 feet
Pipe Diameter:	12 inches
ADWF:	0.086 mgd
Peak Measured Flow:	0.466 mgd

Satellite Map



Sanitary Map



Flow Sketch

Street View

Plan View

SITE 3

Additional Site Photos

Influent Pipe

Effluent Pipe

SITE 3

Additional Site Photos

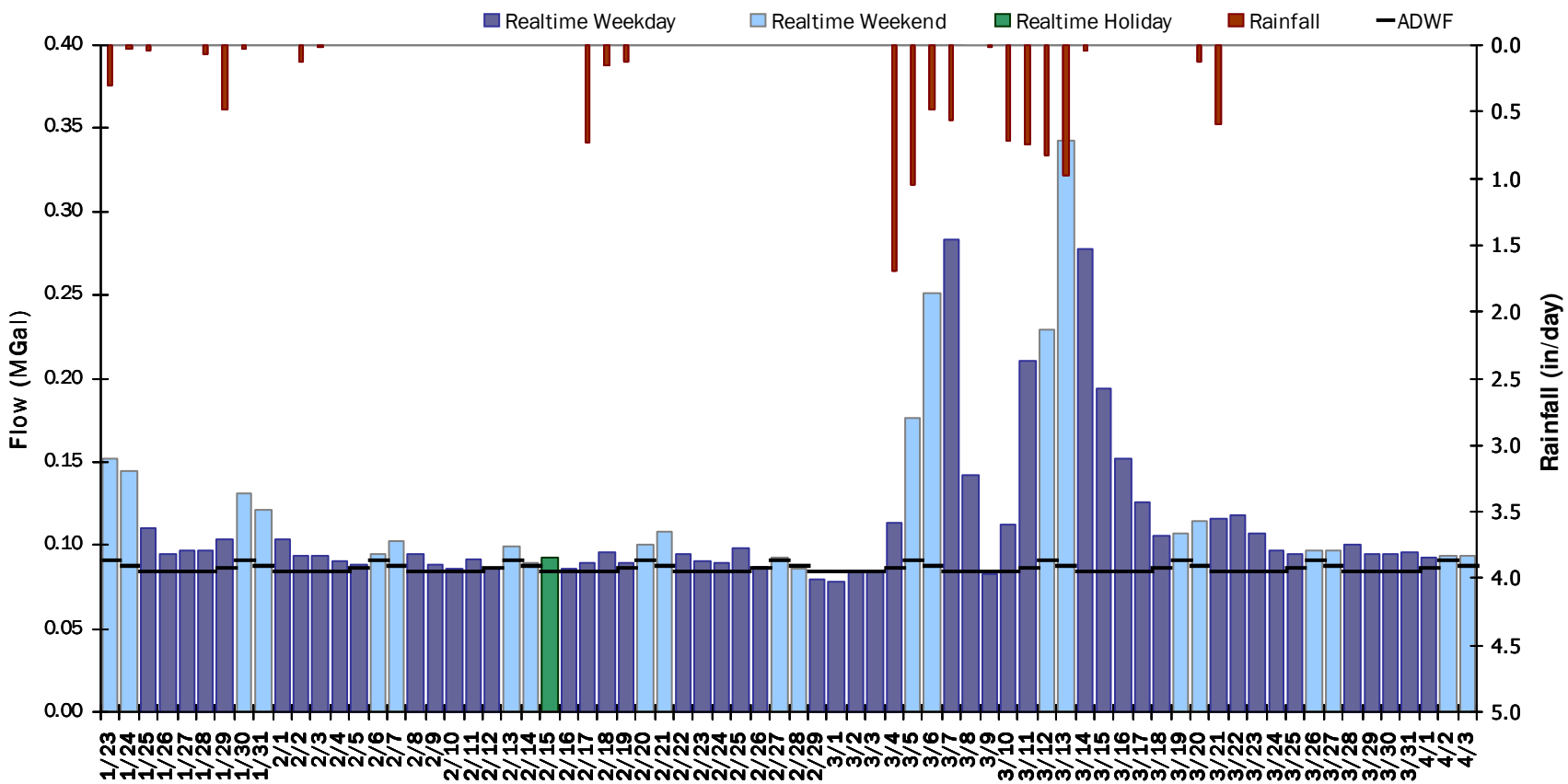
Northwest Lateral

SITE 3

Period Flow Summary: Daily Flow Totals

Avg Period Flow: 0.116 MGal **Peak Daily Flow: 0.342 MGal** **Min Daily Flow: 0.078 MGal**

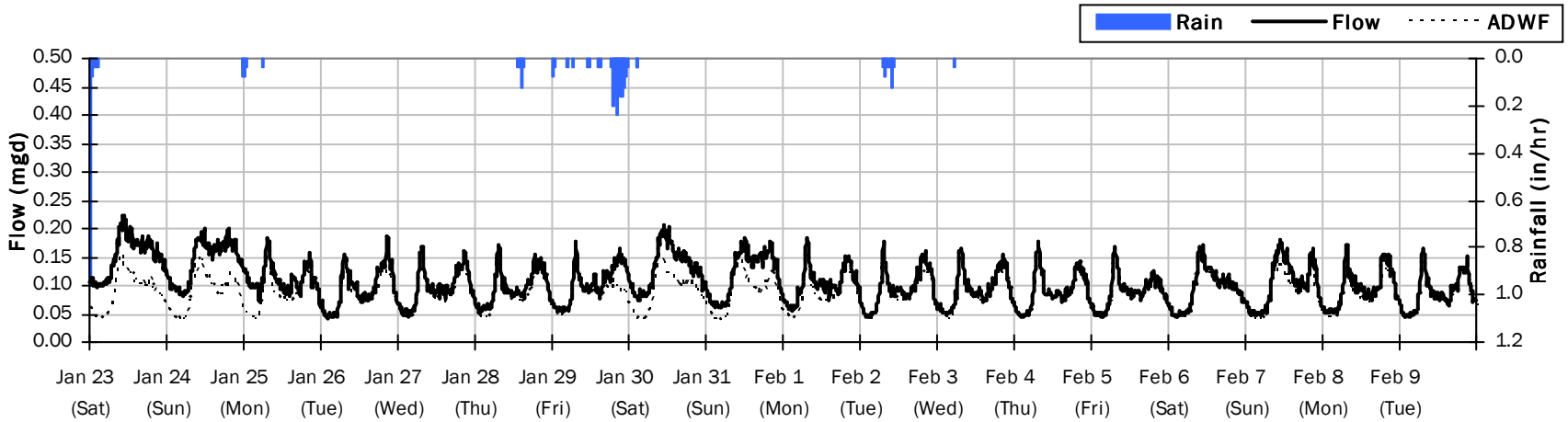
Total Period Rainfall: 9.91 inches

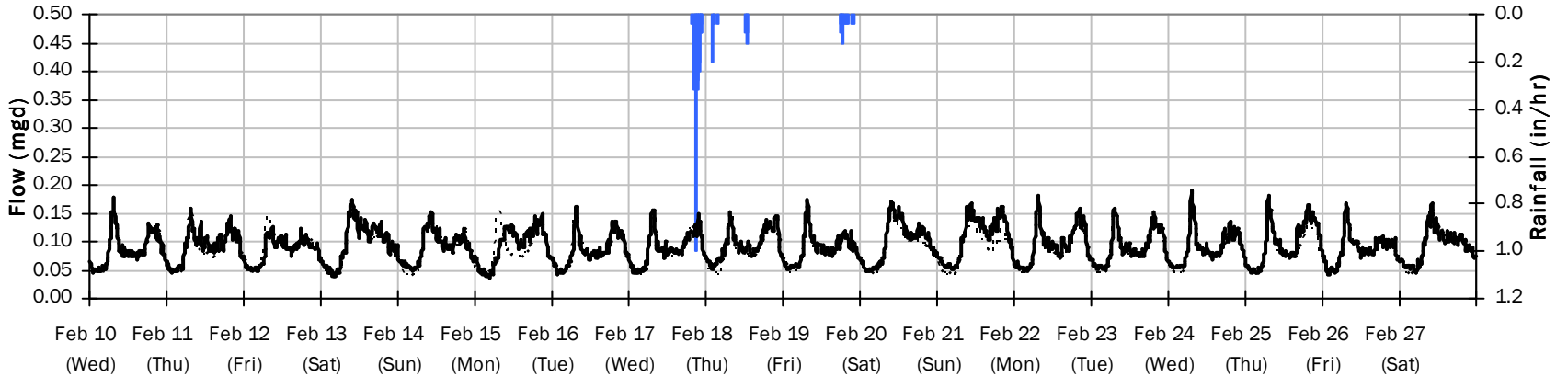


SITE 3

Flow Summary: 1/23/2016 to 2/27/2016

Total Period Rainfall: 2.08 inches **Avg Flow: 0.099 mgd** **Peak Flow: 0.223 mgd** **Min Flow: 0.037 mgd**

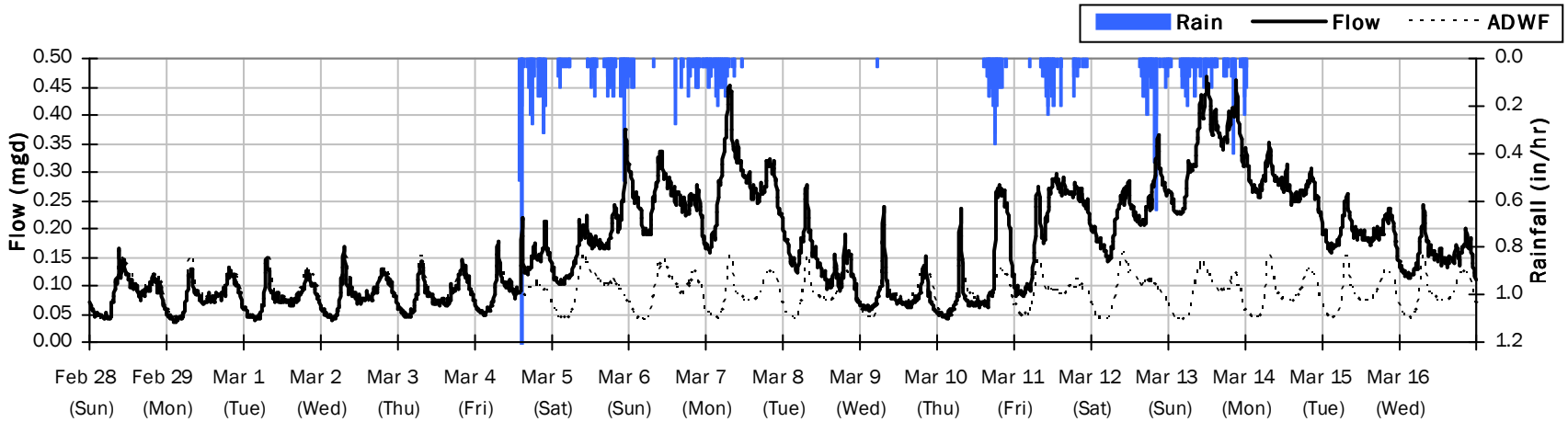


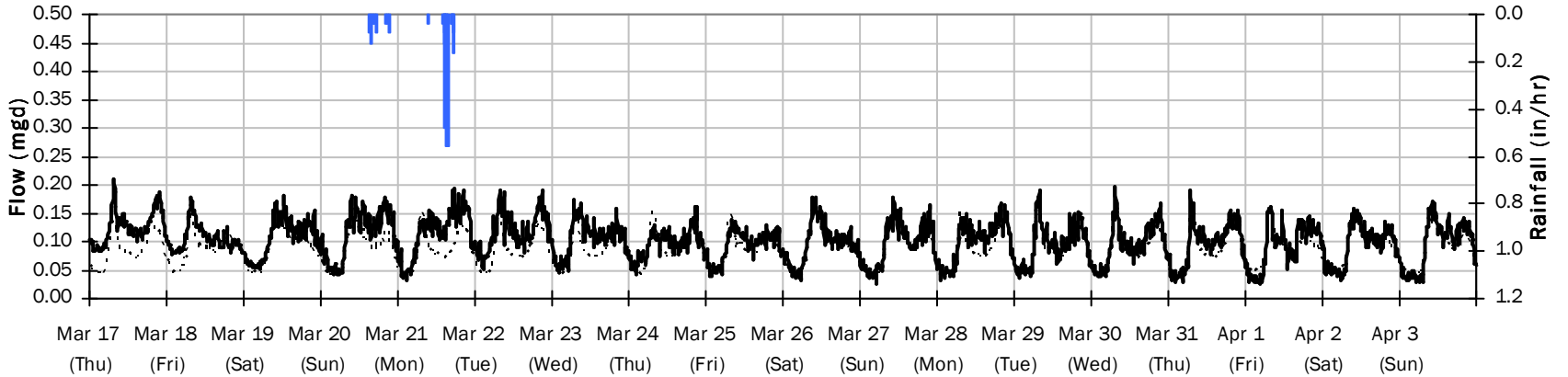


SITE 3

Flow Summary: 2/28/2016 to 4/3/2016

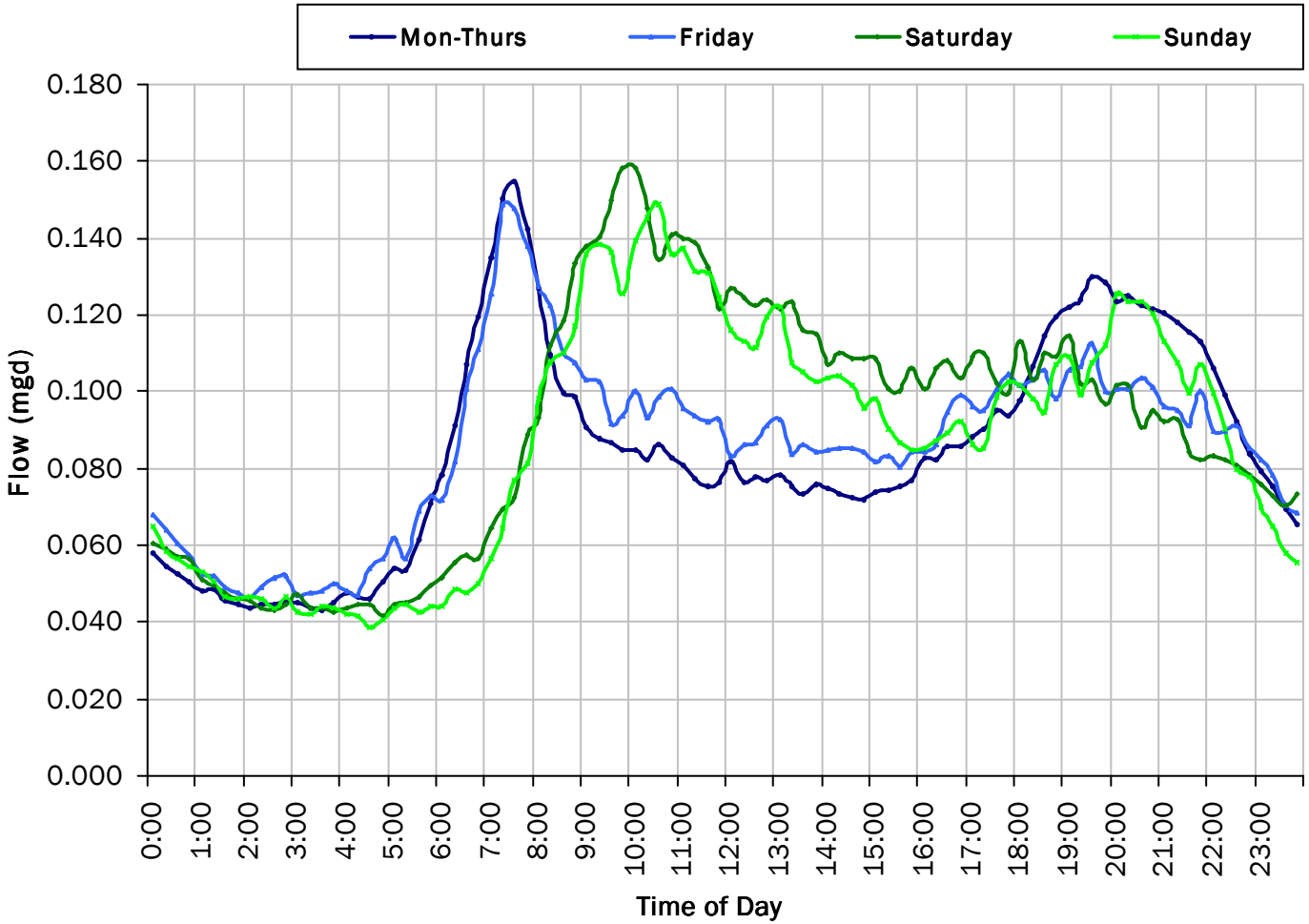
Total Period Rainfall: 7.83 inches **Avg Flow: 0.134 mgd** **Peak Flow: 0.466 mgd** **Min Flow: 0.026 mgd**





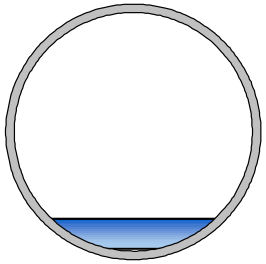
SITE 3

Average Dry Weather Flow Hydrographs



ADWF:

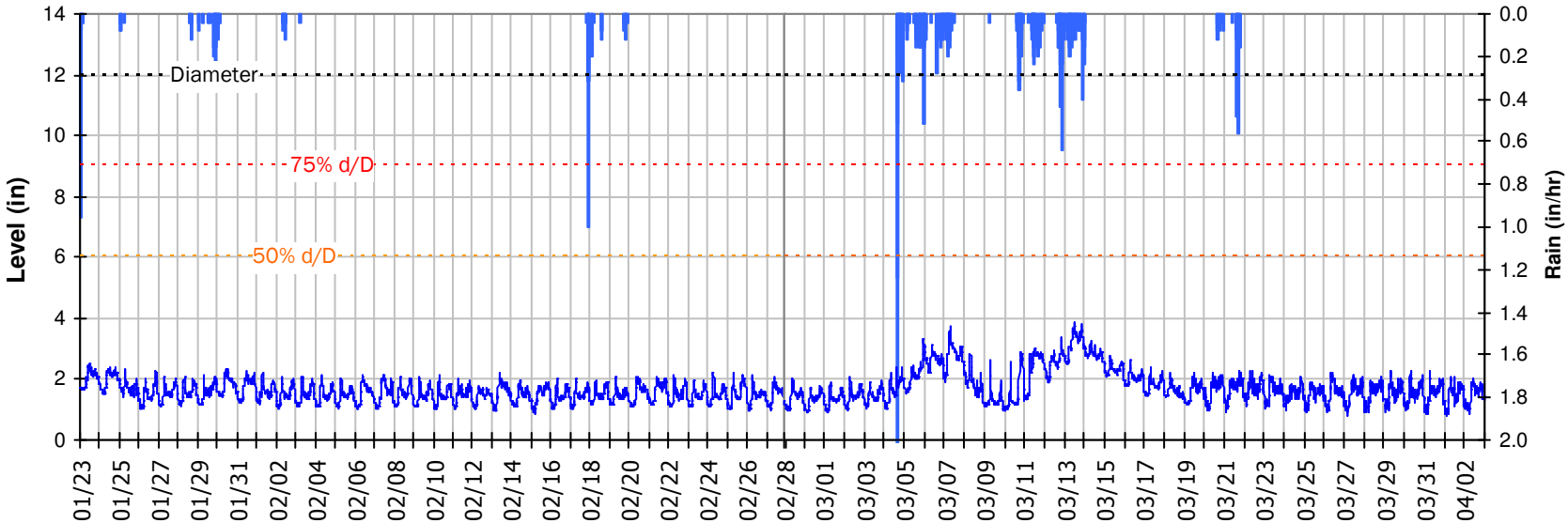
0.086 *mgd*

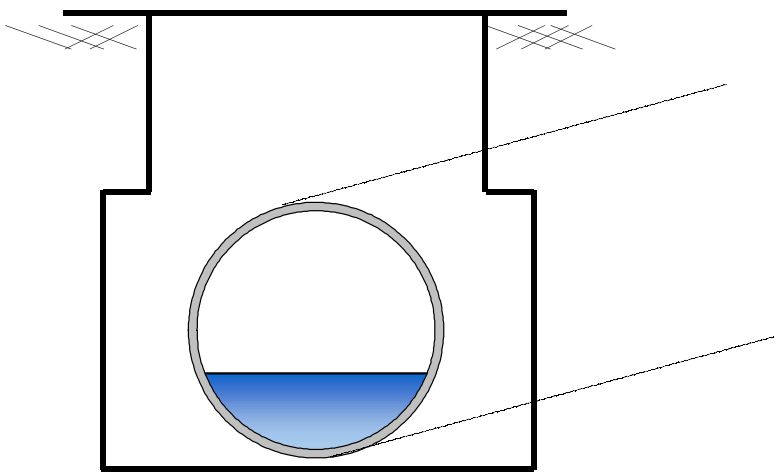


SITE 3

Site Capacity and Surcharge Summary

Realtime Flow Levels with Rainfall Data over Monitoring Period

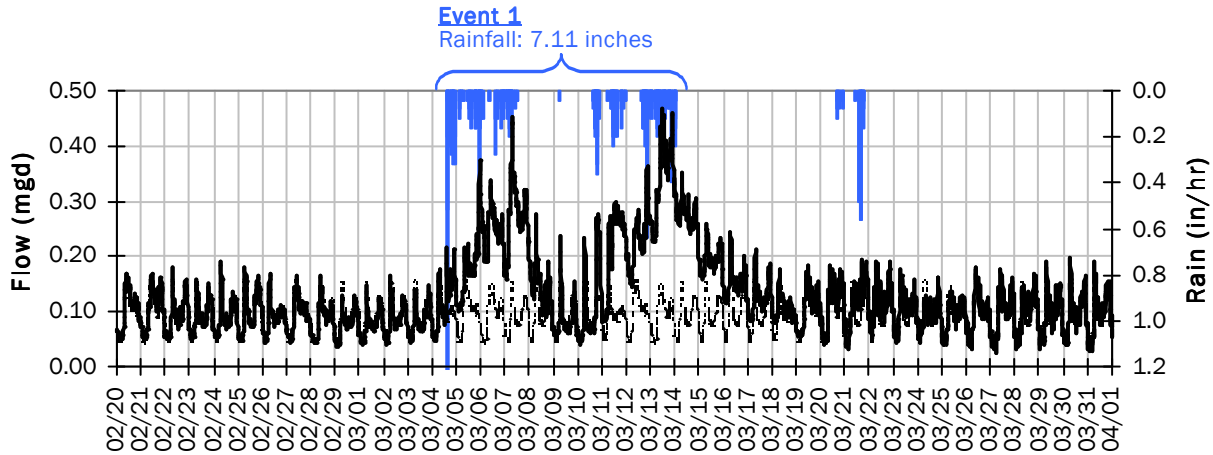




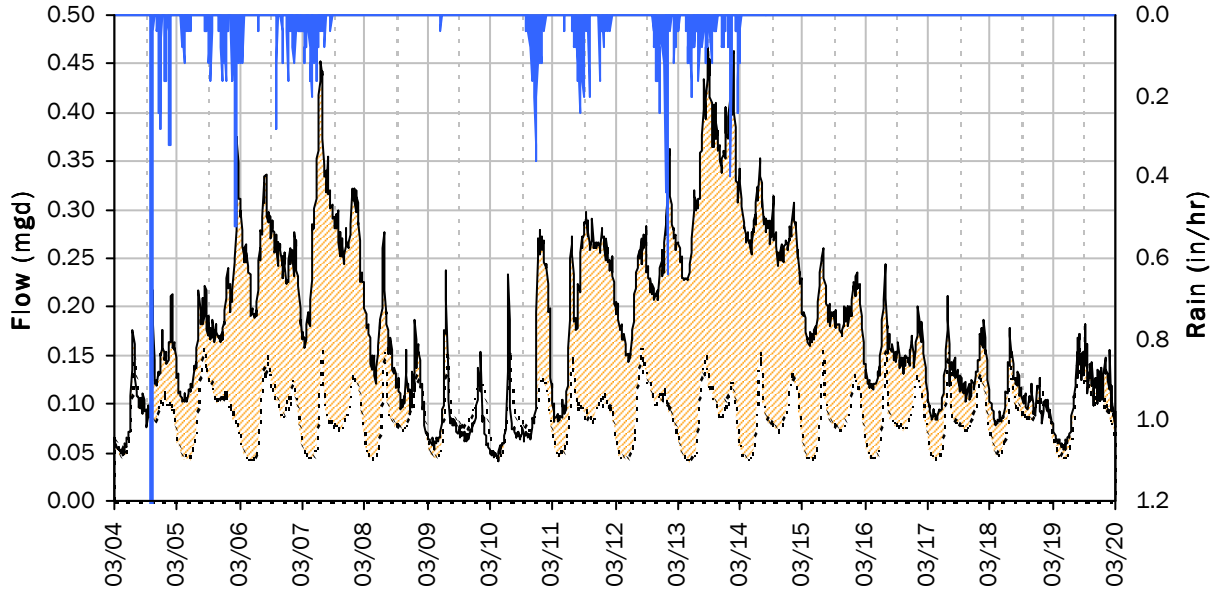
Pipe Diameter:	12	*inches*
Peak Measured Level:	3.88	*inches*
Peak d/D Ratio:	0.32	

SITE 3
I/I Summary: Event 1

Baseline and Realtime Flows with Rainfall Data over Monitoring Period



Event 1 Detail Graph



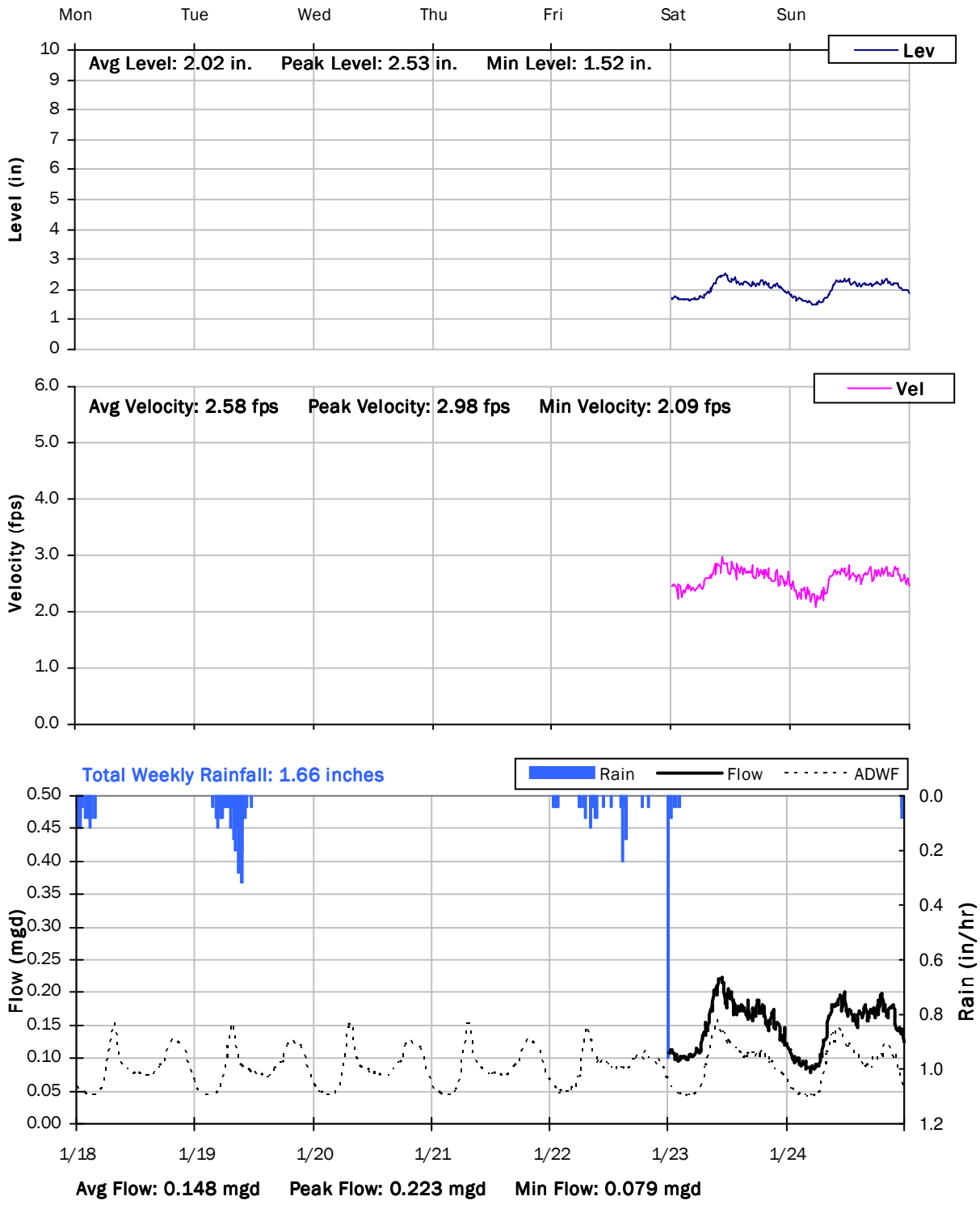
Storm Event I/I Analysis (Rain = 7.11 inches)

Capacity		Inflow / Infiltration	
Peak Flow:	0.47 *mgd*	**Peak I/I Rate:**	0.35 *mgd*
PF:	5.43	**Total I/I:**	1,524,000 *gallons*
Peak Level:	3.88 *in*		
d/D Ratio:	0.32		

SITE 3

Weekly Level, Velocity and Flow Hydrographs

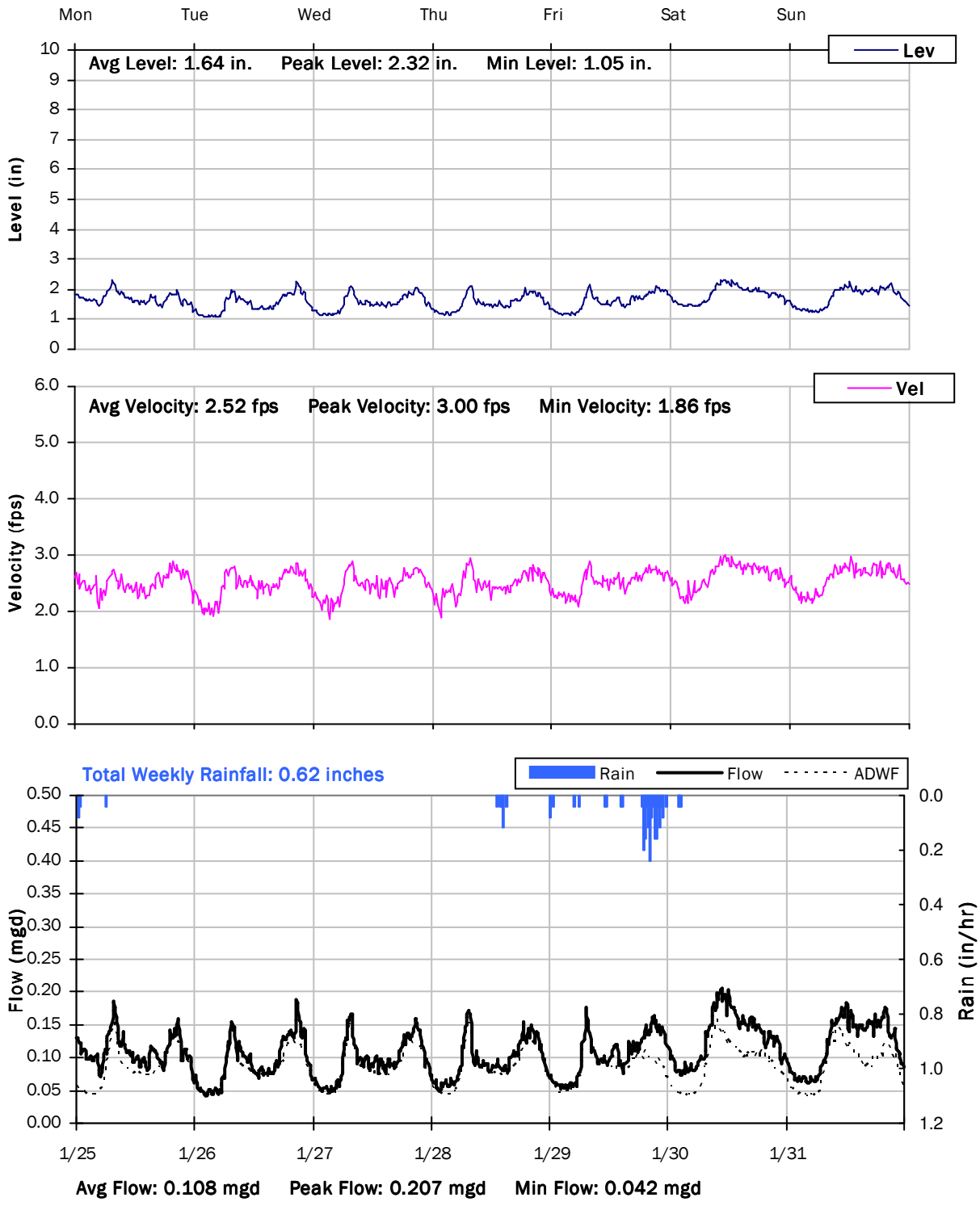
1/18/2016 to 1/25/2016



SITE 3

Weekly Level, Velocity and Flow Hydrographs

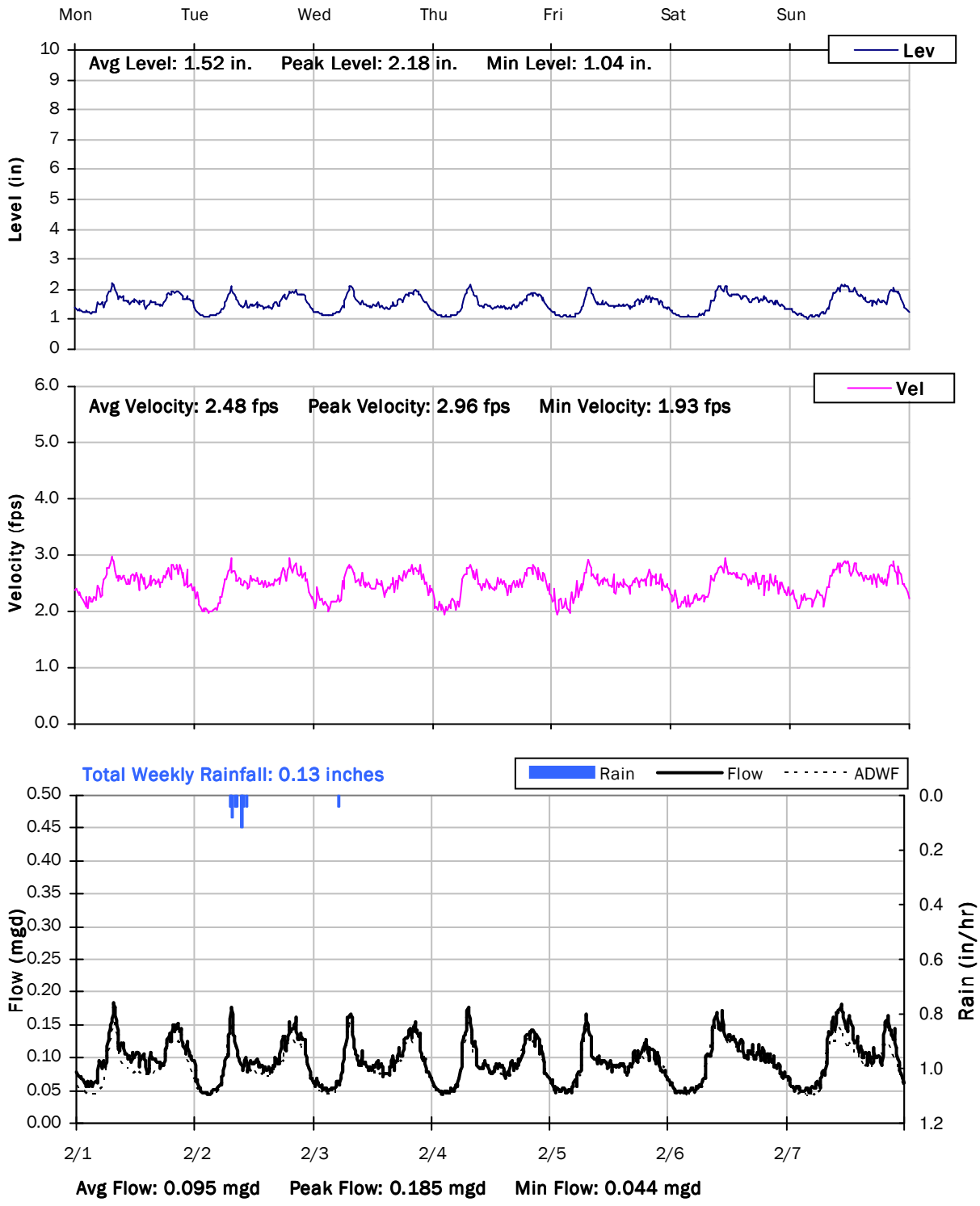
1/25/2016 to 2/1/2016



SITE 3

Weekly Level, Velocity and Flow Hydrographs

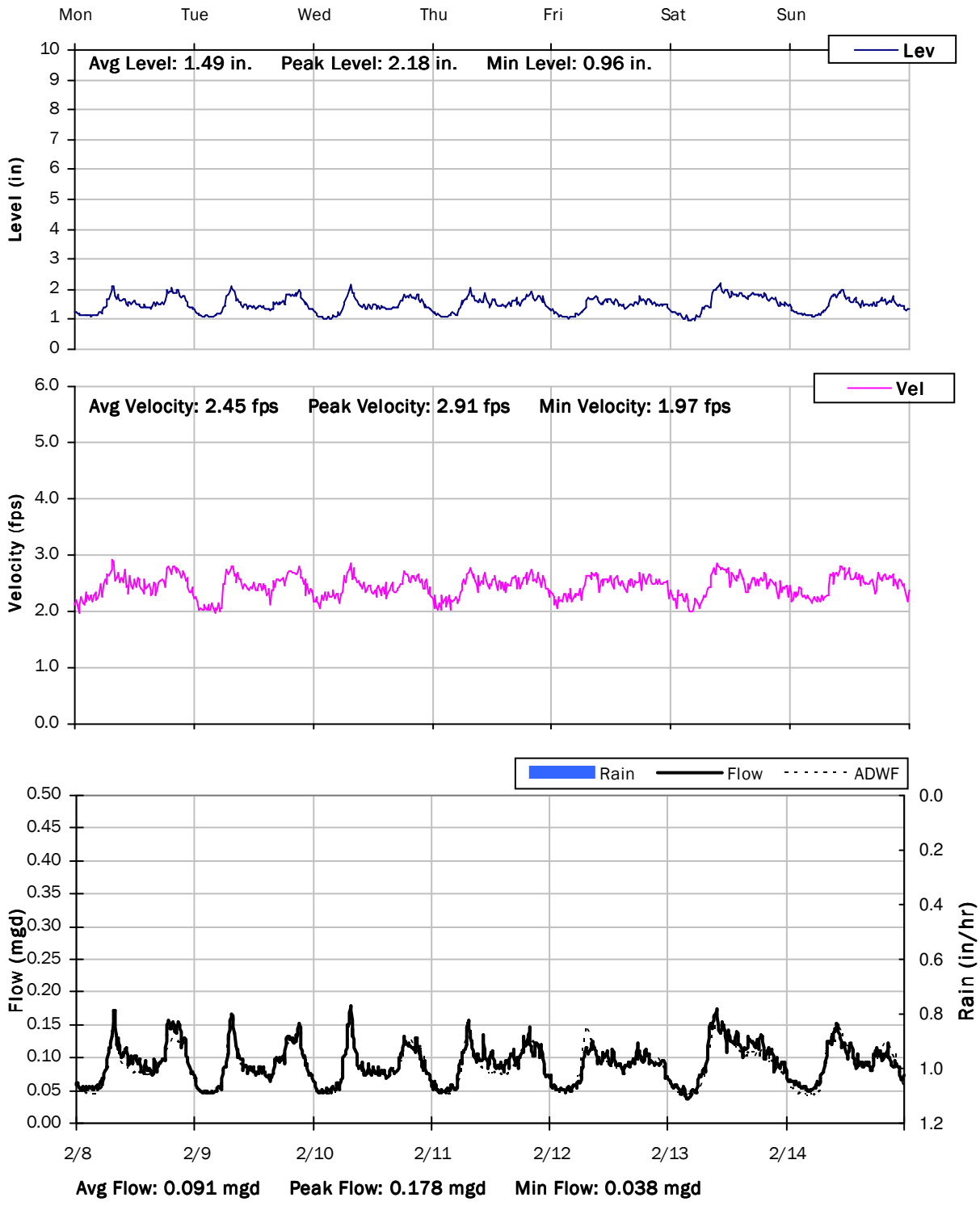
2/1/2016 to 2/8/2016



SITE 3

Weekly Level, Velocity and Flow Hydrographs

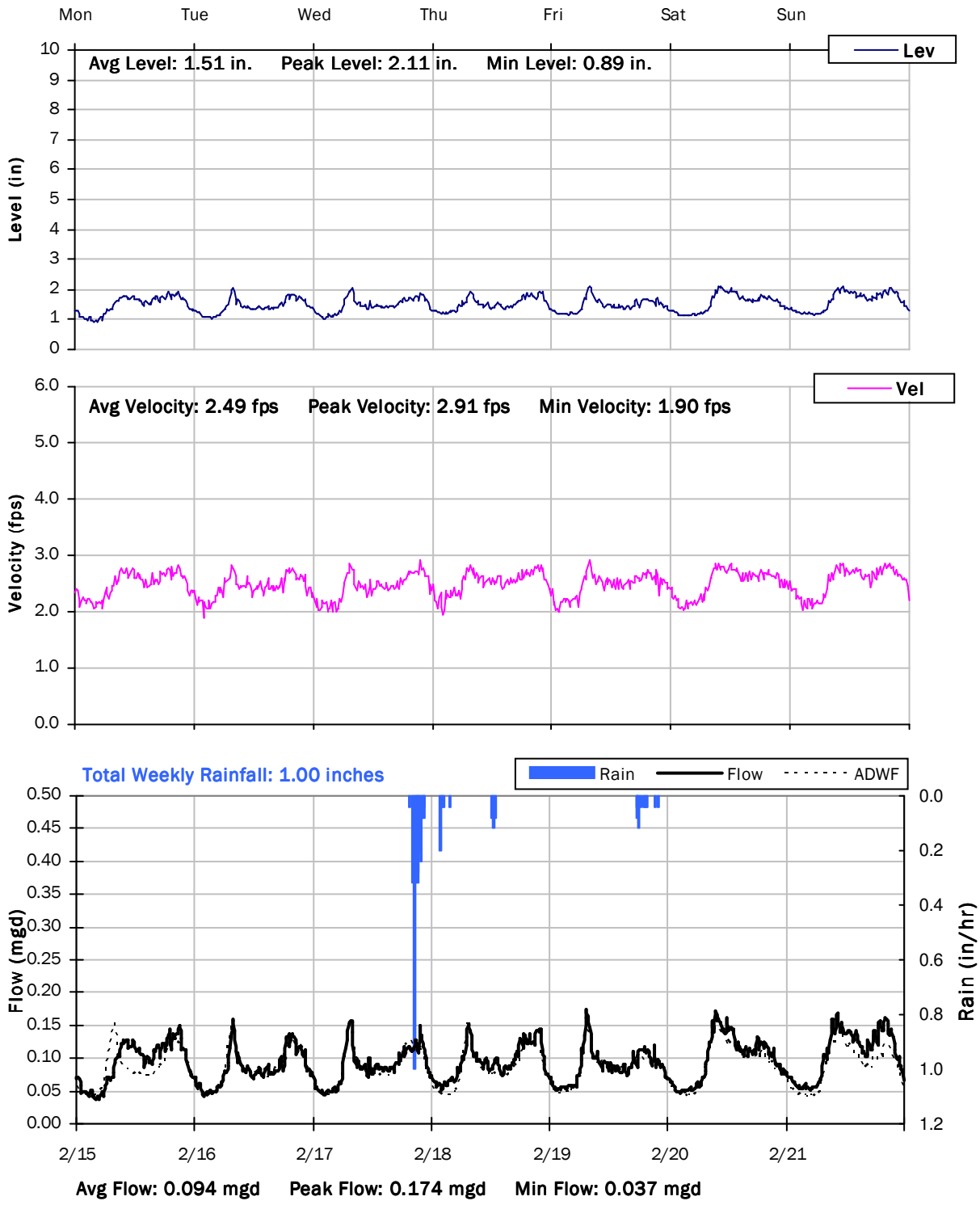
2/8/2016 to 2/15/2016



SITE 3

Weekly Level, Velocity and Flow Hydrographs

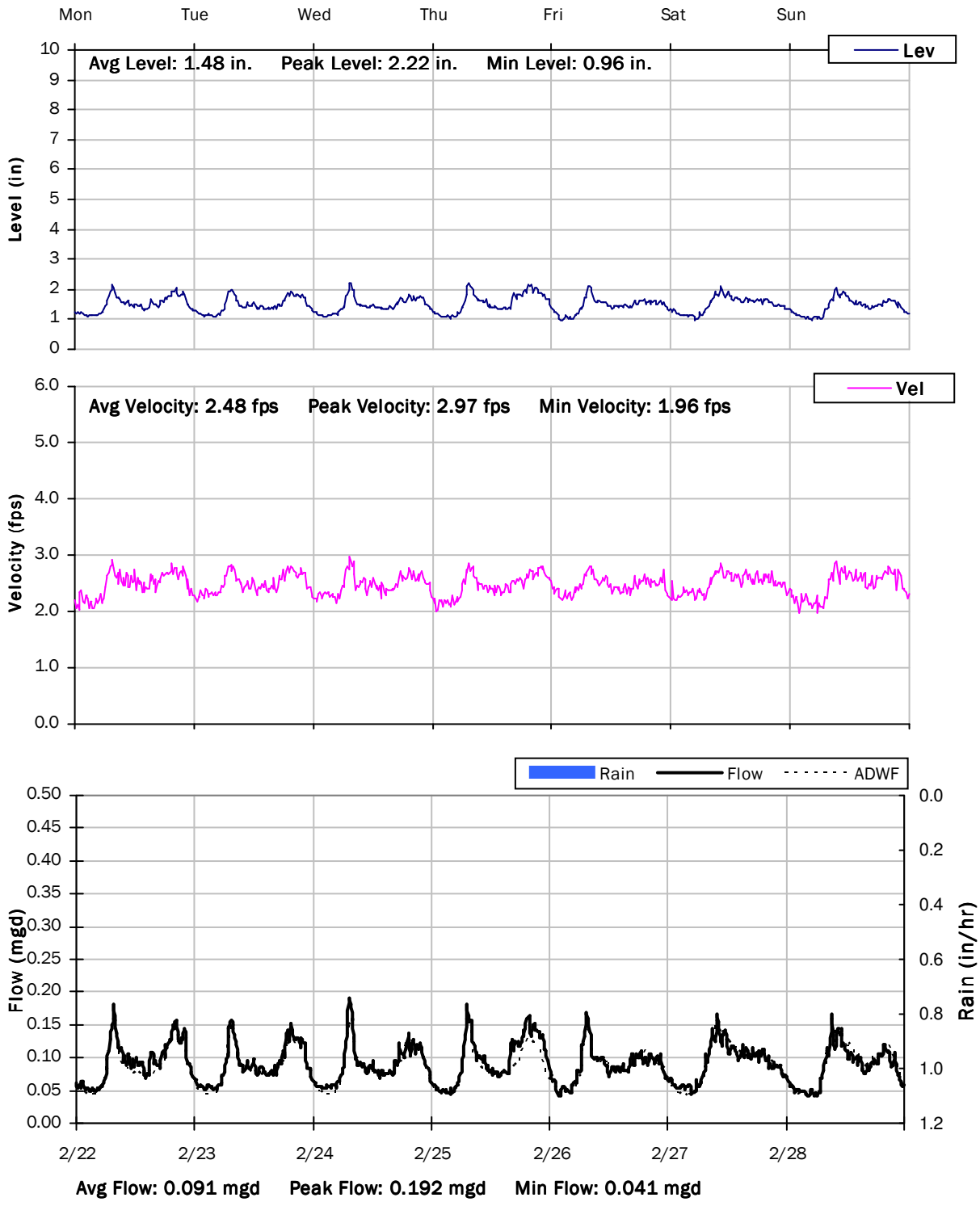
2/15/2016 to 2/22/2016



SITE 3

Weekly Level, Velocity and Flow Hydrographs

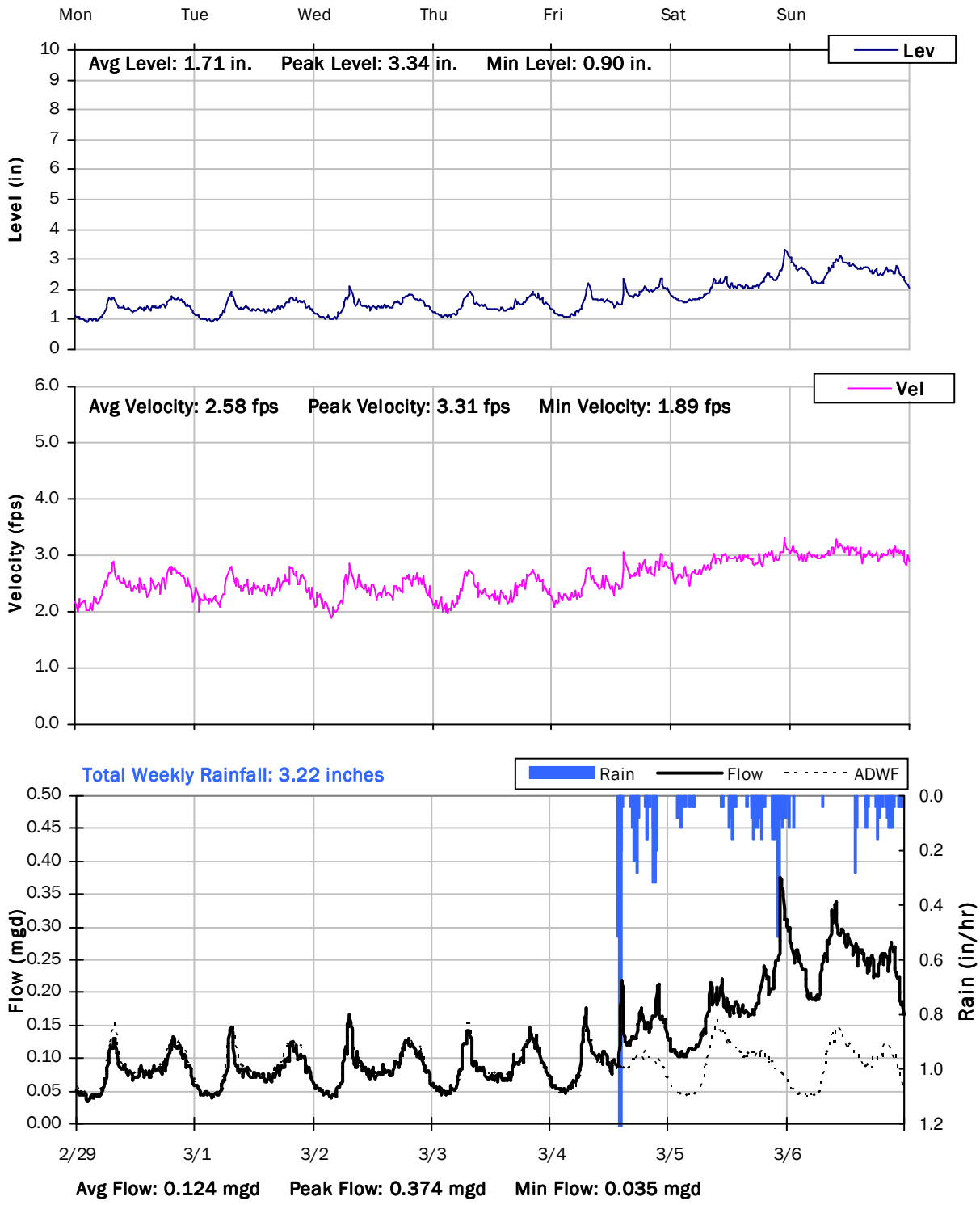
2/22/2016 to 2/29/2016



SITE 3

Weekly Level, Velocity and Flow Hydrographs

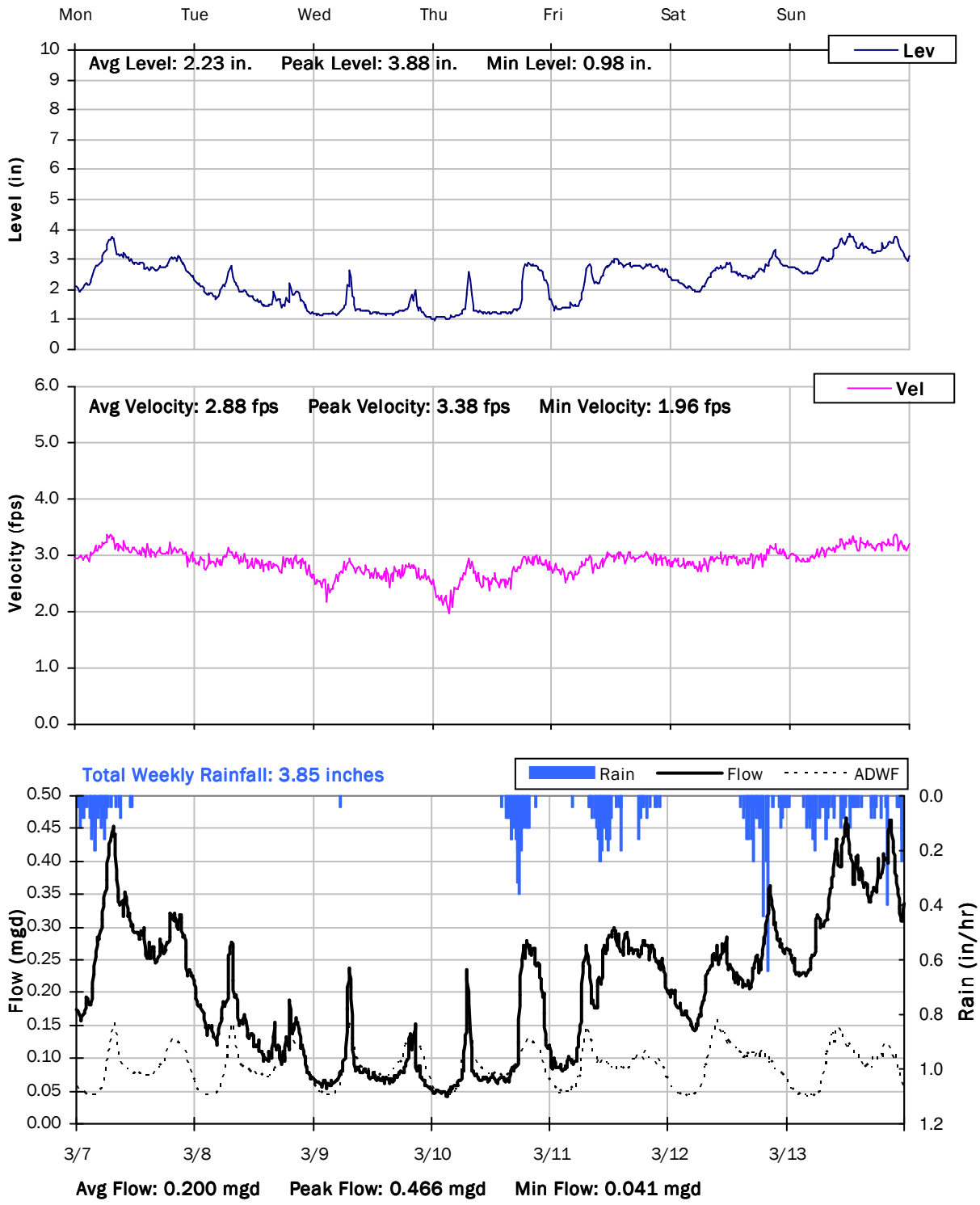
2/29/2016 to 3/7/2016



SITE 3

Weekly Level, Velocity and Flow Hydrographs

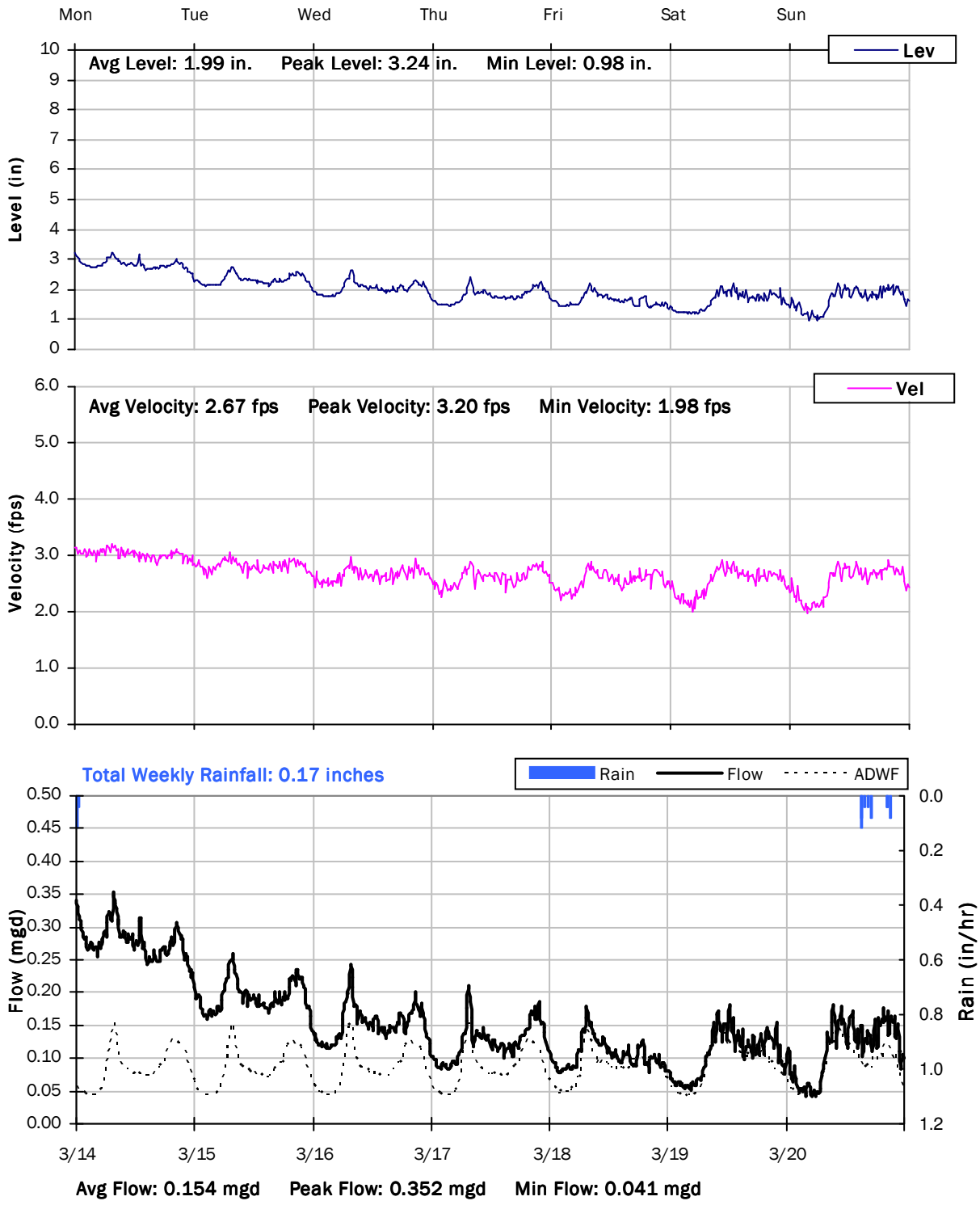
3/7/2016 to 3/14/2016



SITE 3

Weekly Level, Velocity and Flow Hydrographs

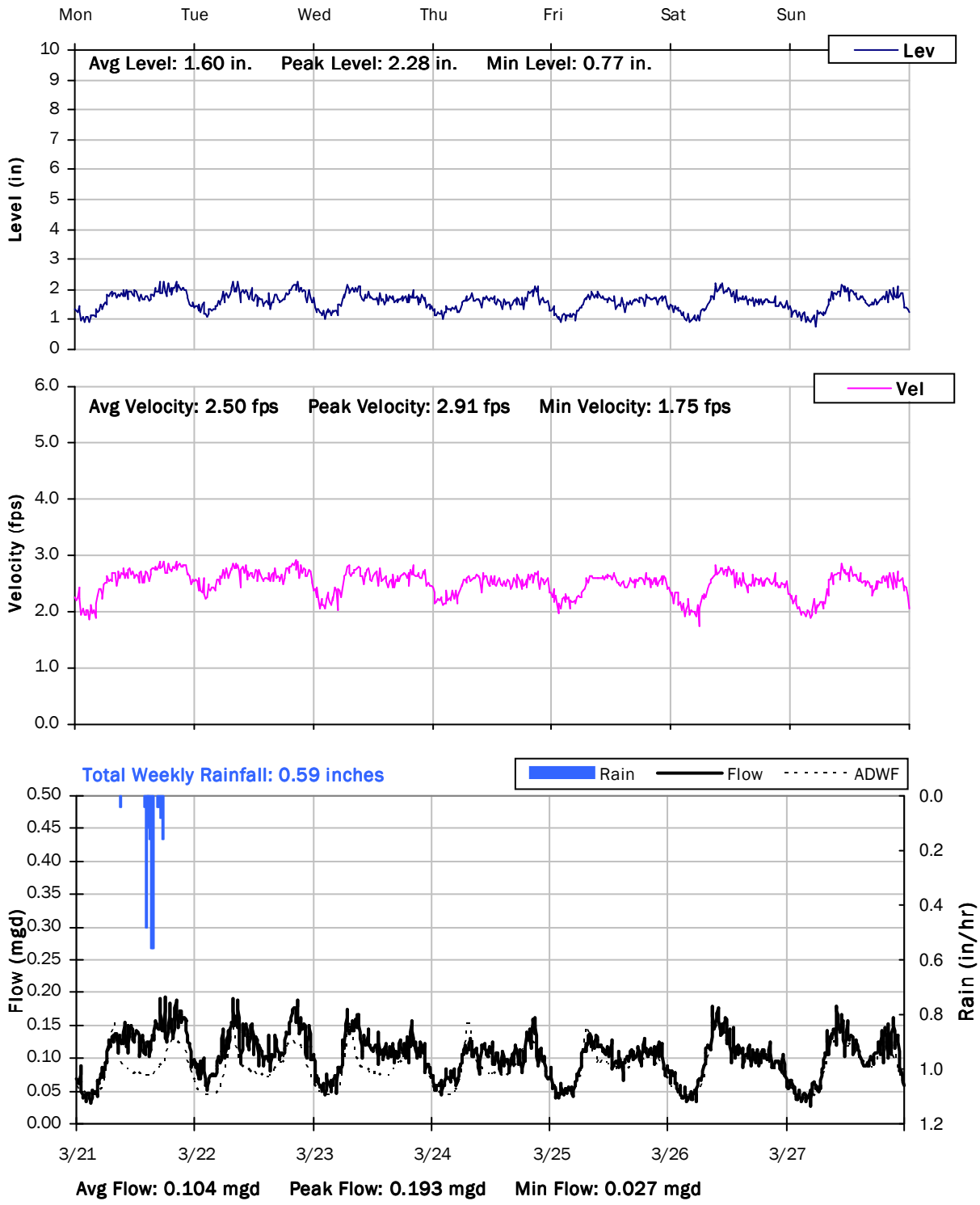
3/14/2016 to 3/21/2016



SITE 3

Weekly Level, Velocity and Flow Hydrographs

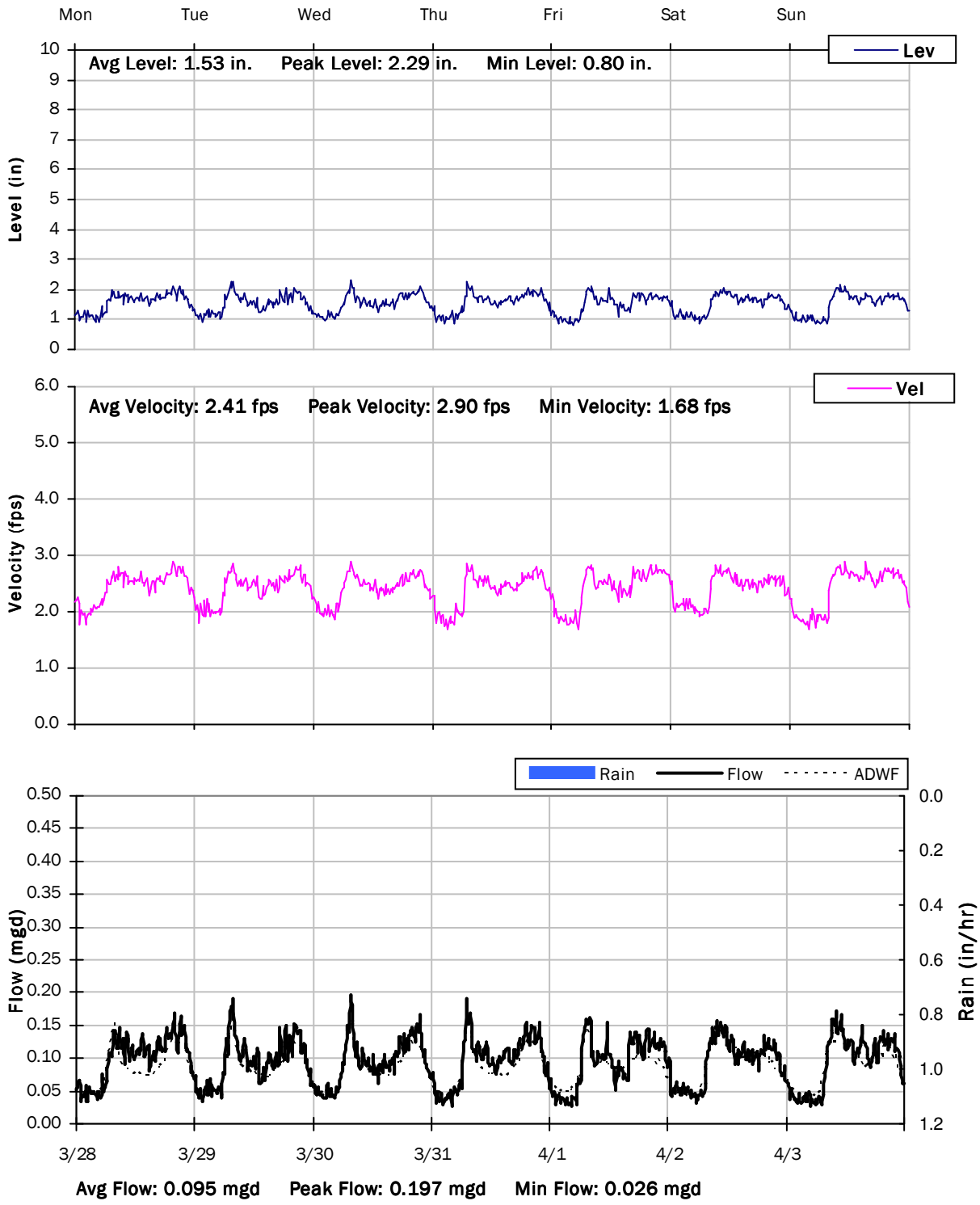
3/21/2016 to 3/28/2016



SITE 3

Weekly Level, Velocity and Flow Hydrographs

3/28/2016 to 4/4/2016



City of Lincoln

Sanitary Sewer Flow Monitoring

Temporary Monitoring: January 23 to April 3, 2016

Monitoring Site: Site 4

Location: Off road, approx. 450 ft east of 305-525 Business Park Dr.

Data Summary Report

Vicinity Map: Site 4

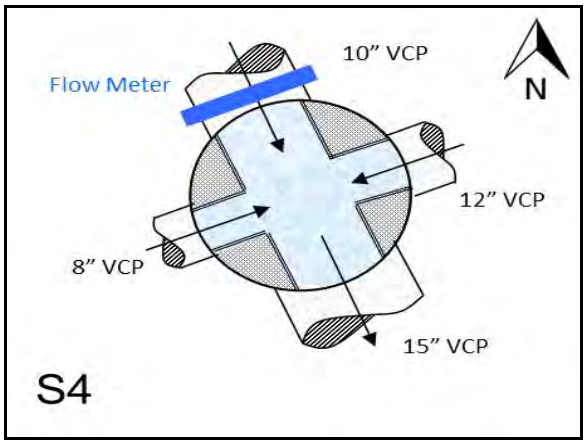
SITE 4

Site Information

Location:	Off road, approx. 450 ft east of 305-525 Business Park Dr.
Coordinates:	121.3347° W, 38.9010° N
Rim Elevation (Earth):	122 feet
Pipe Diameter:	10 inches
ADWF:	0.016 mgd
Peak Measured Flow:	0.153 mgd

Satellite Map

Sanitary Map



Flow Sketch

Street View

Plan View

SITE 4

Additional Site Photos

Influent Pipe

Effluent Pipe

SITE 4

Additional Site Photos

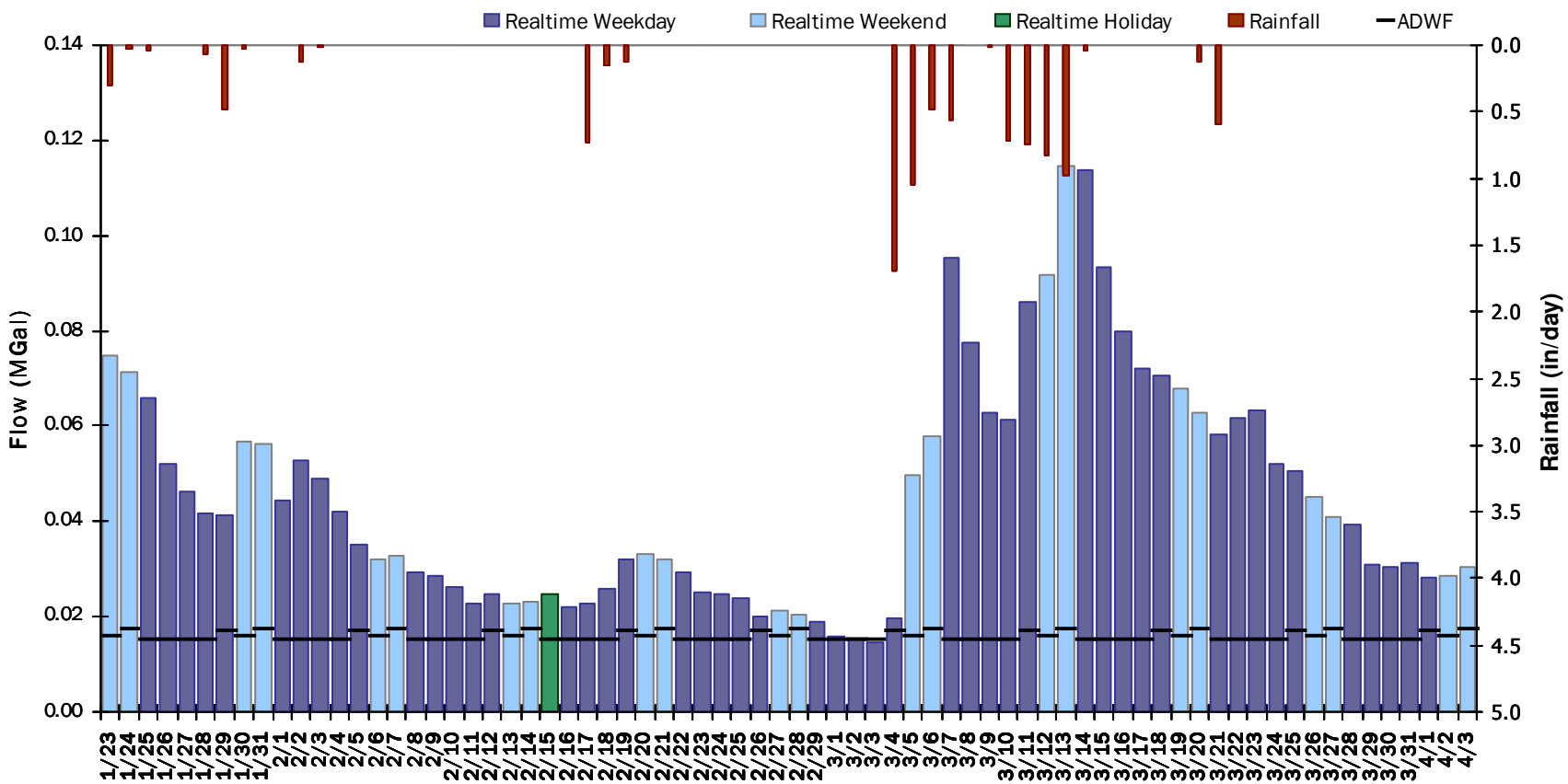
West Lateral

SITE 4

Period Flow Summary: Daily Flow Totals

Avg Period Flow: 0.045 MGal **Peak Daily Flow: 0.115 MGal** **Min Daily Flow: 0.015 MGal**

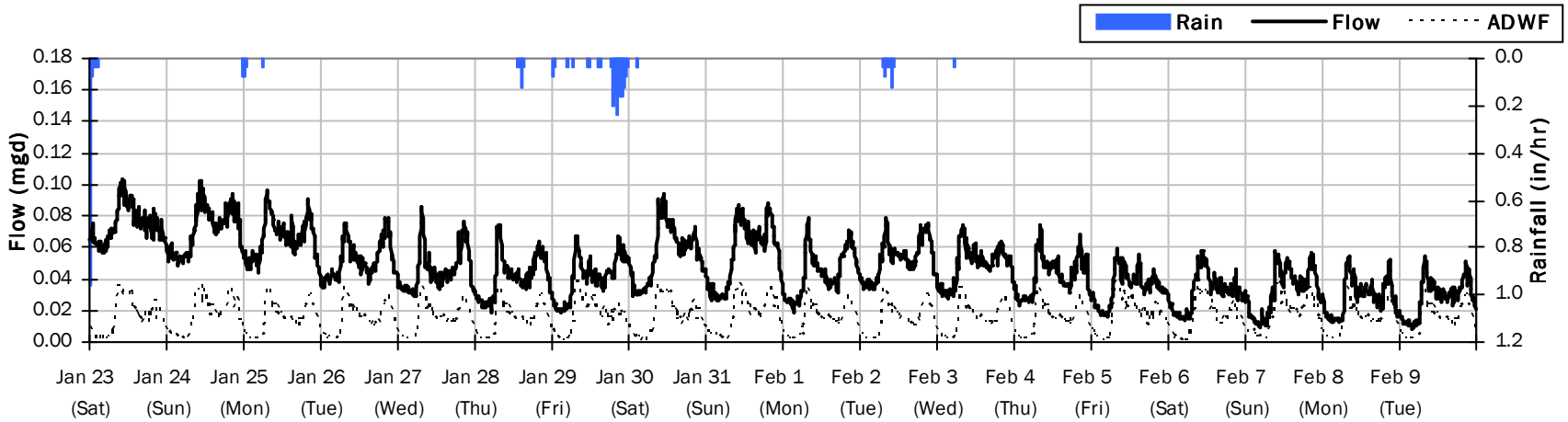
Total Period Rainfall: 9.91 inches

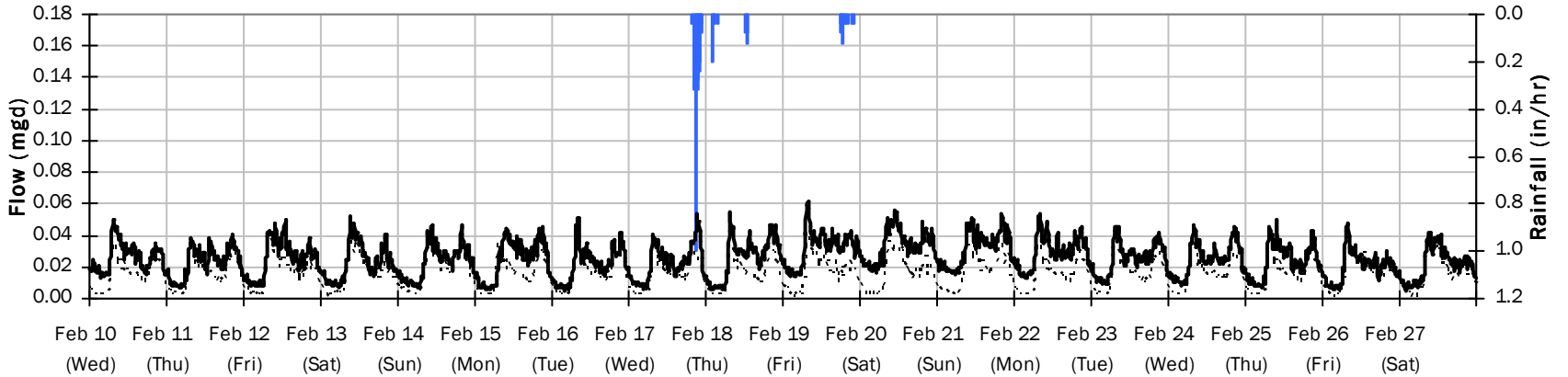


SITE 4

Flow Summary: 1/23/2016 to 2/27/2016

Total Period Rainfall: 2.08 inches **Avg Flow: 0.036 mgd** **Peak Flow: 0.104 mgd** **Min Flow: 0.005 mgd**

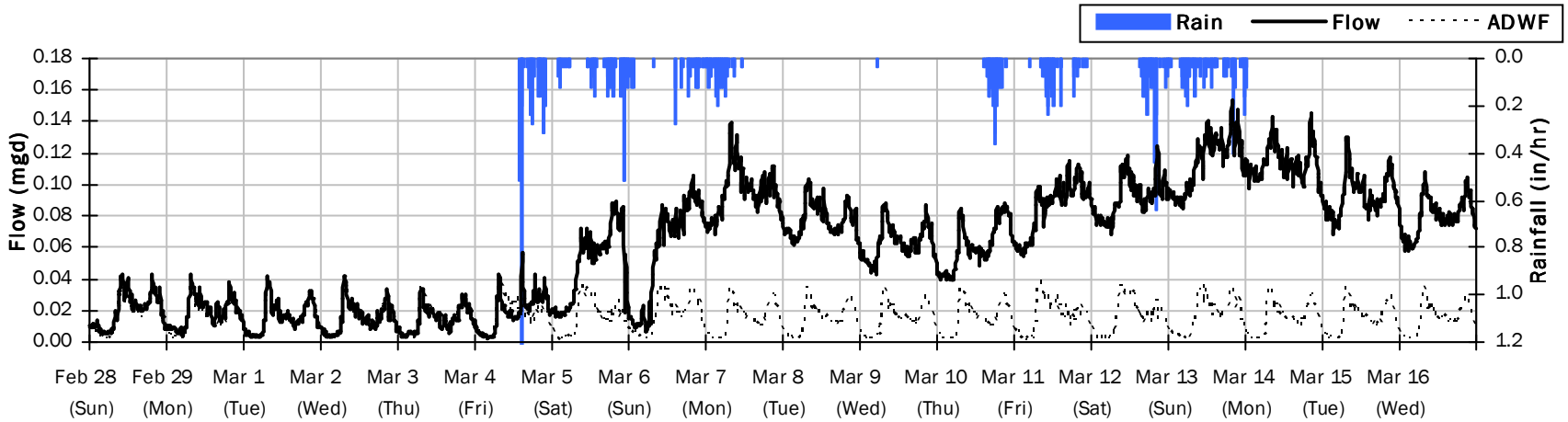


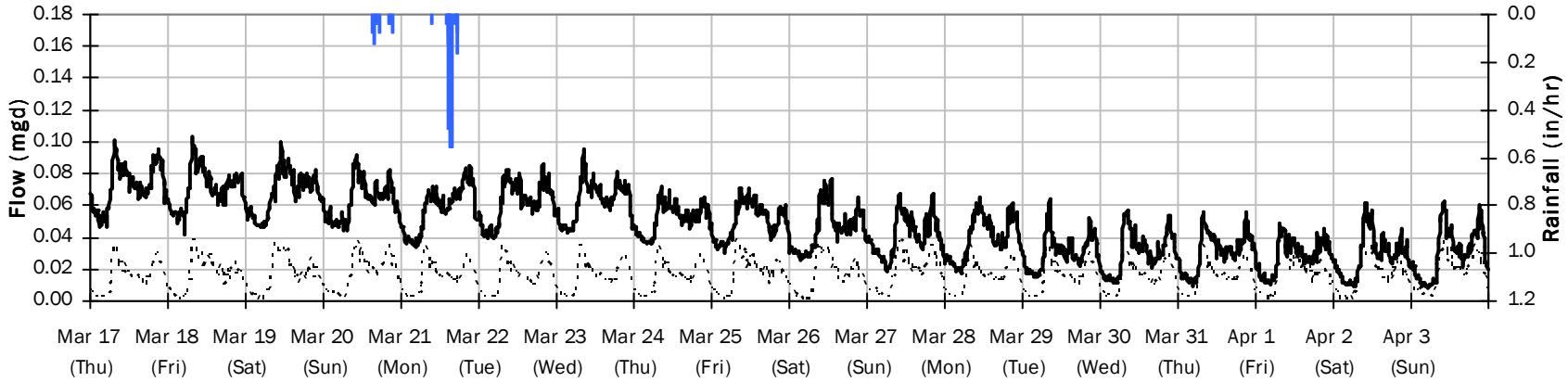


SITE 4

Flow Summary: 2/28/2016 to 4/3/2016

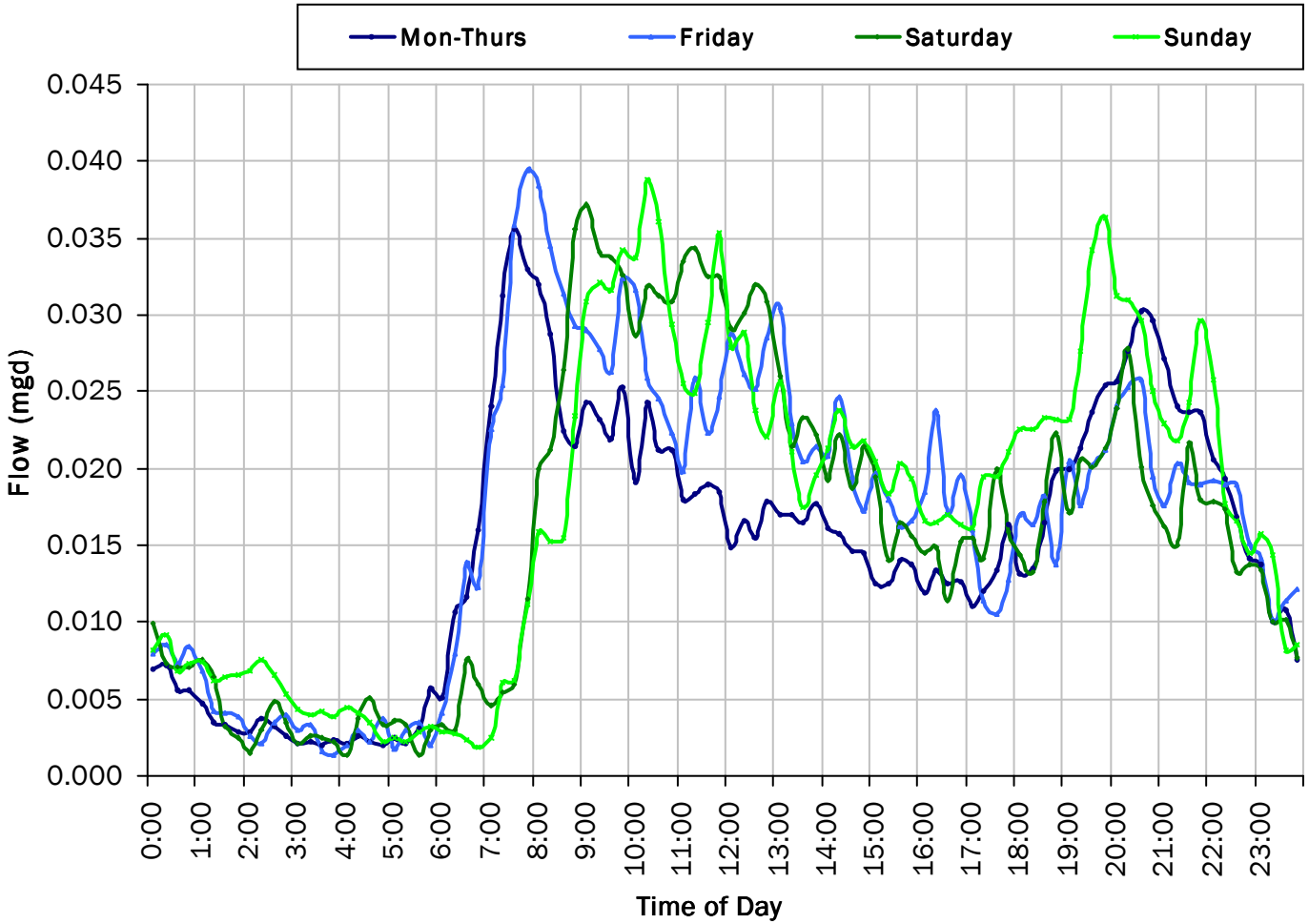
Total Period Rainfall: 7.83 inches **Avg Flow: 0.054 mgd** **Peak Flow: 0.153 mgd** **Min Flow: 0.002 mgd**





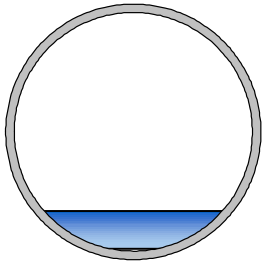
SITE 4

Average Dry Weather Flow Hydrographs



ADWF:

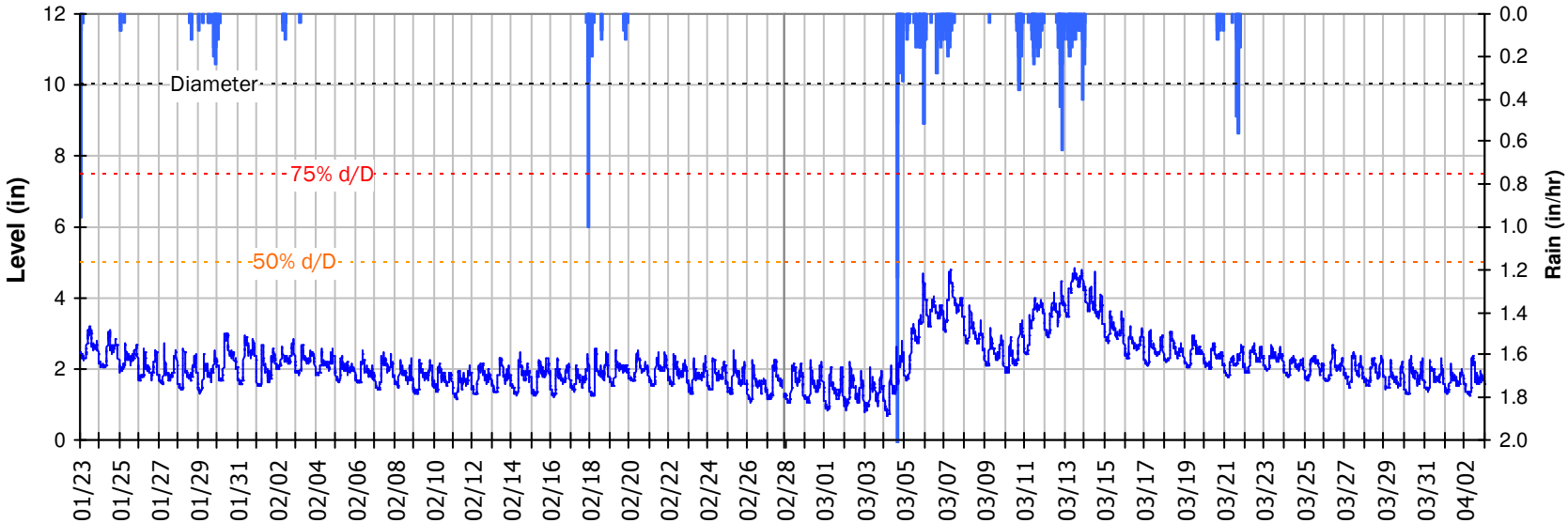
0.016 *mgd*

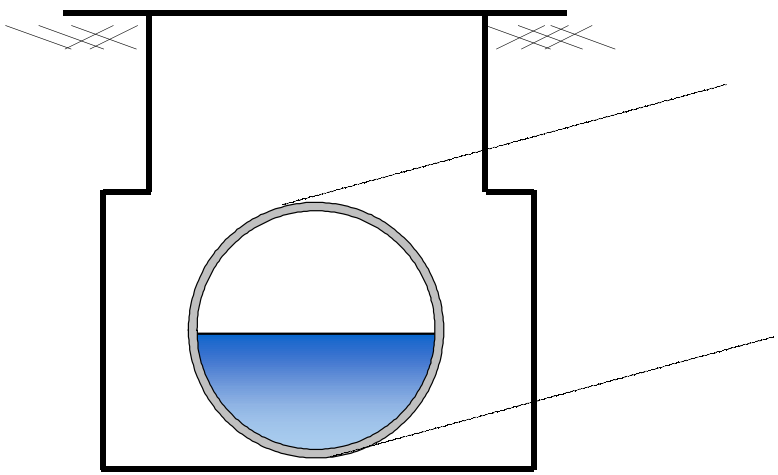


SITE 4

Site Capacity and Surcharge Summary

Realtime Flow Levels with Rainfall Data over Monitoring Period

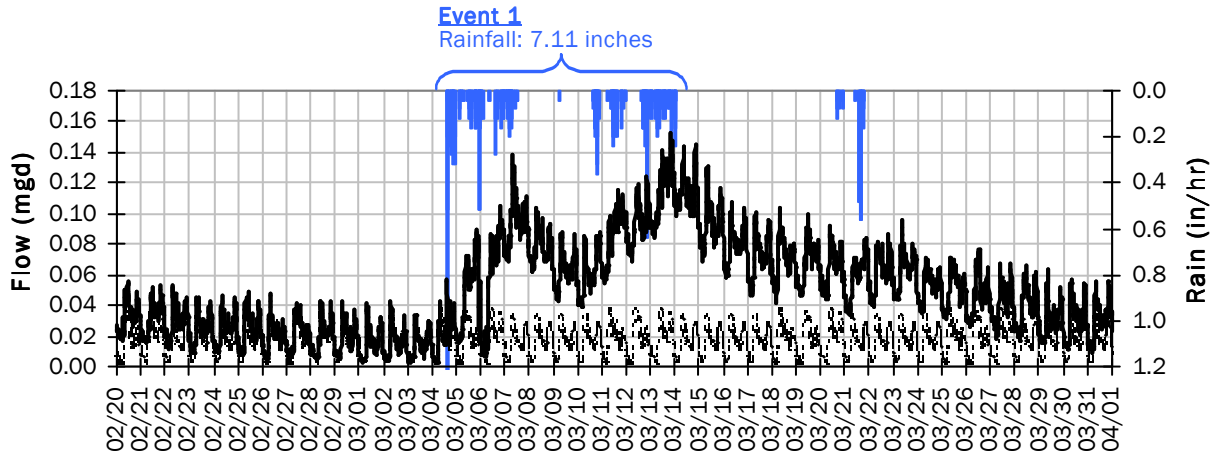




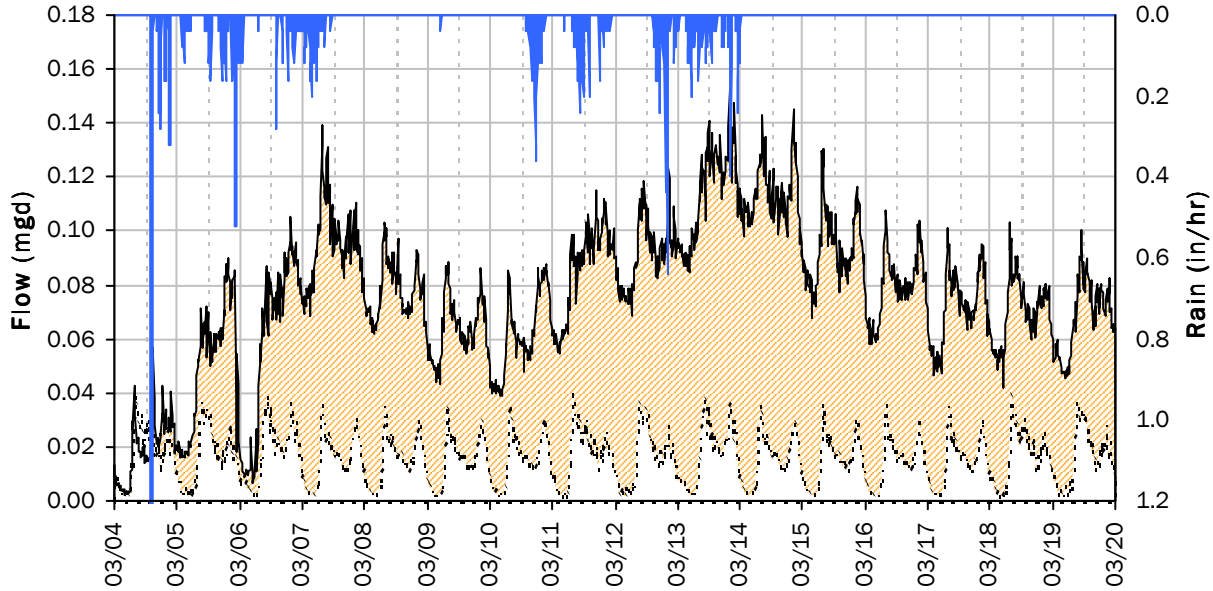
Pipe Diameter:	10	*inches*
Peak Measured Level:	4.82	*inches*
Peak d/D Ratio:	0.48	

SITE 4
I/I Summary: Event 1

Baseline and Realtime Flows with Rainfall Data over Monitoring Period



Event 1 Detail Graph



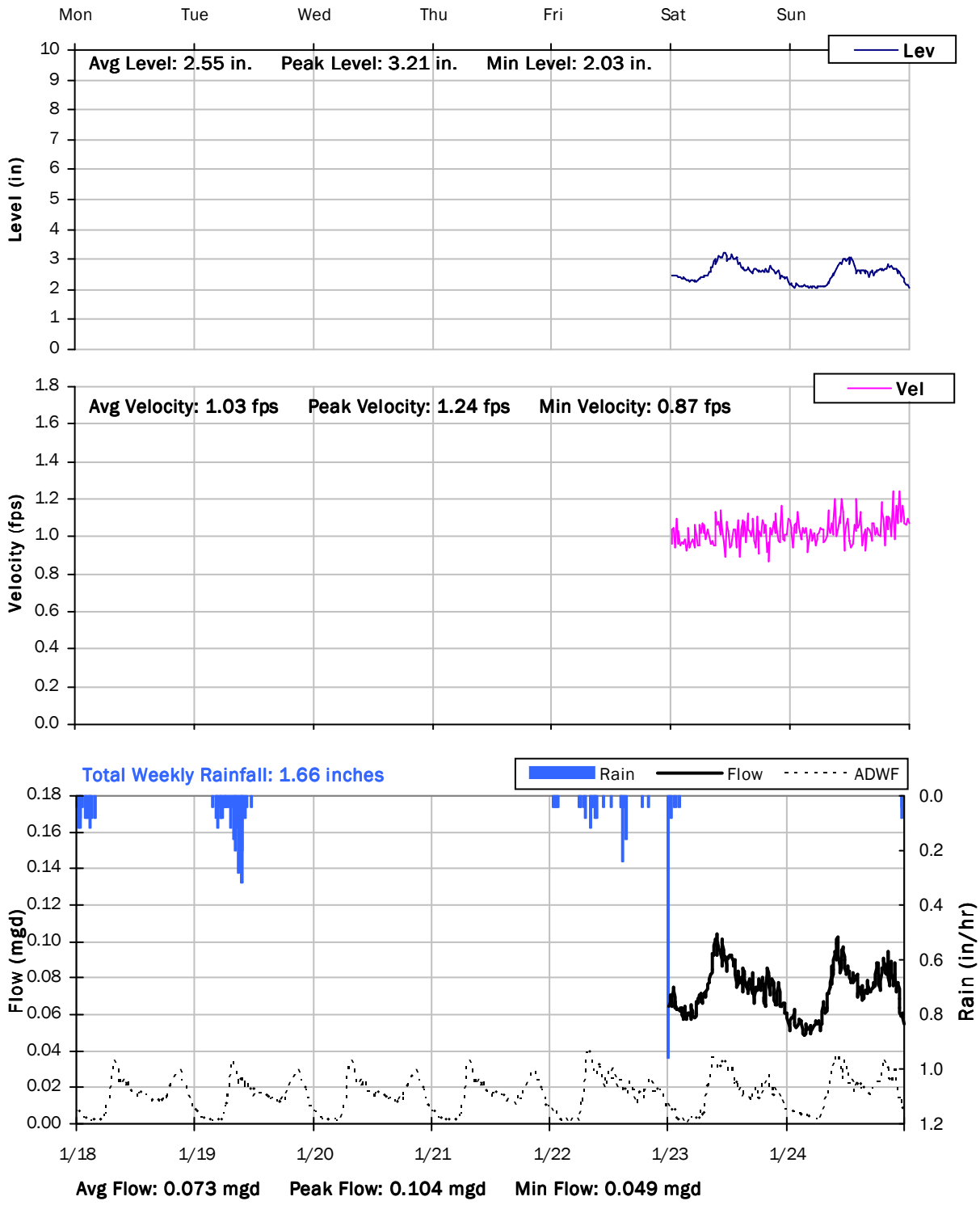
Storm Event I/I Analysis (Rain = 7.11 inches)

Capacity		Inflow / Infiltration	
Peak Flow:	0.15 *mgd*	**Peak I/I Rate:**	0.12 *mgd*
PF:	9.72	**Total I/I:**	963,000 *gallons*
Peak Level:	4.82 *in*		
d/D Ratio:	0.48		

SITE 4

Weekly Level, Velocity and Flow Hydrographs

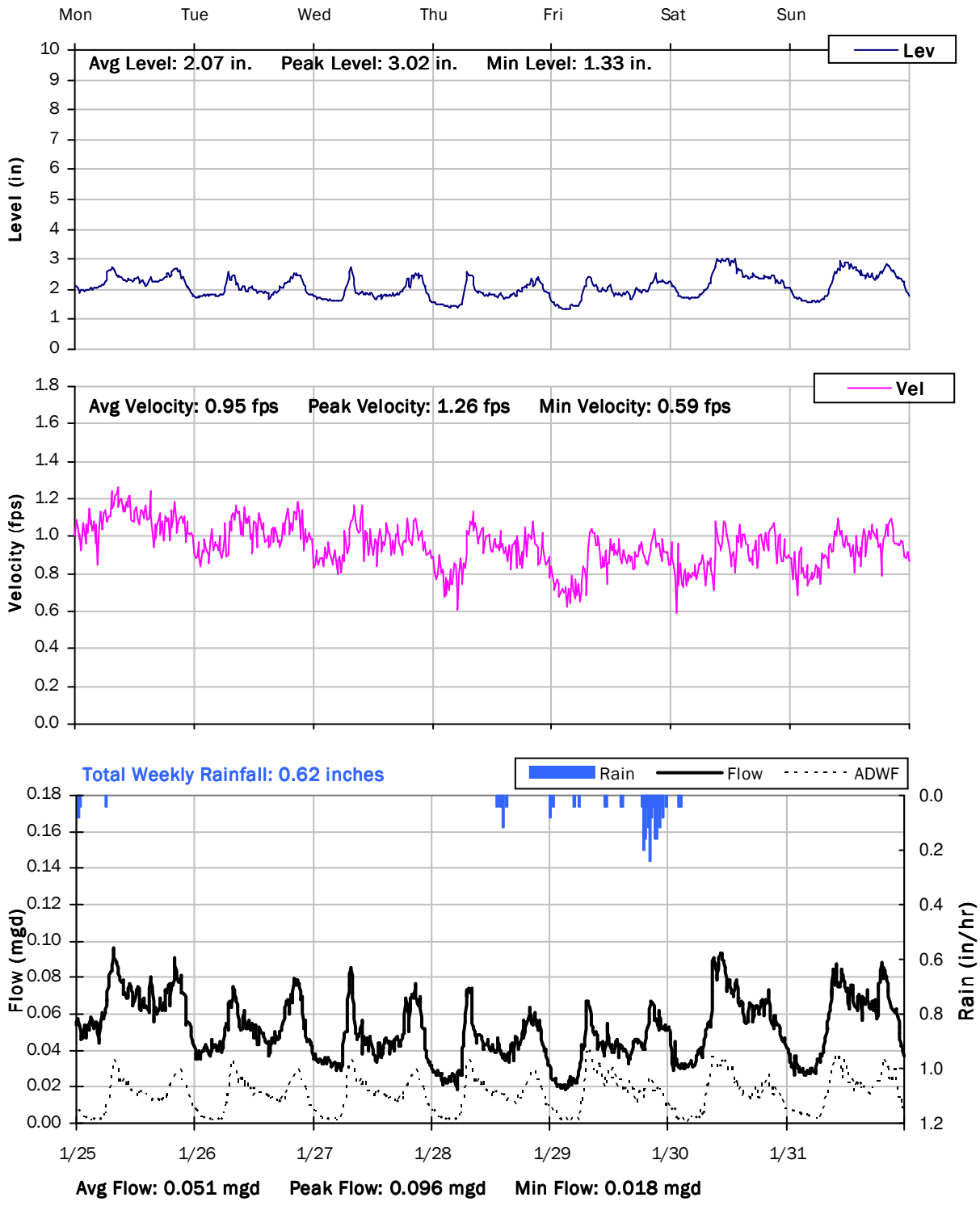
1/18/2016 to 1/25/2016



SITE 4

Weekly Level, Velocity and Flow Hydrographs

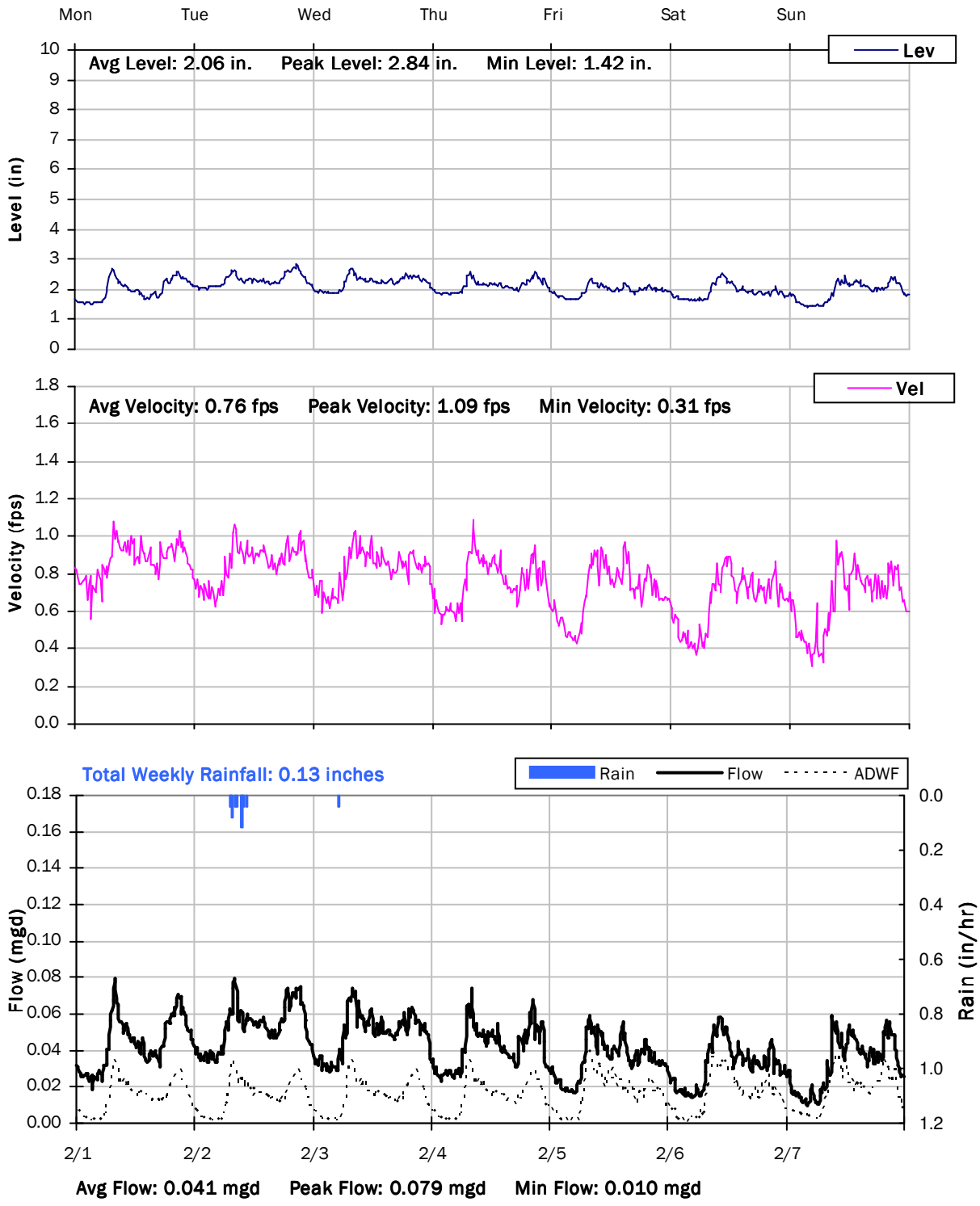
1/25/2016 to 2/1/2016



SITE 4

Weekly Level, Velocity and Flow Hydrographs

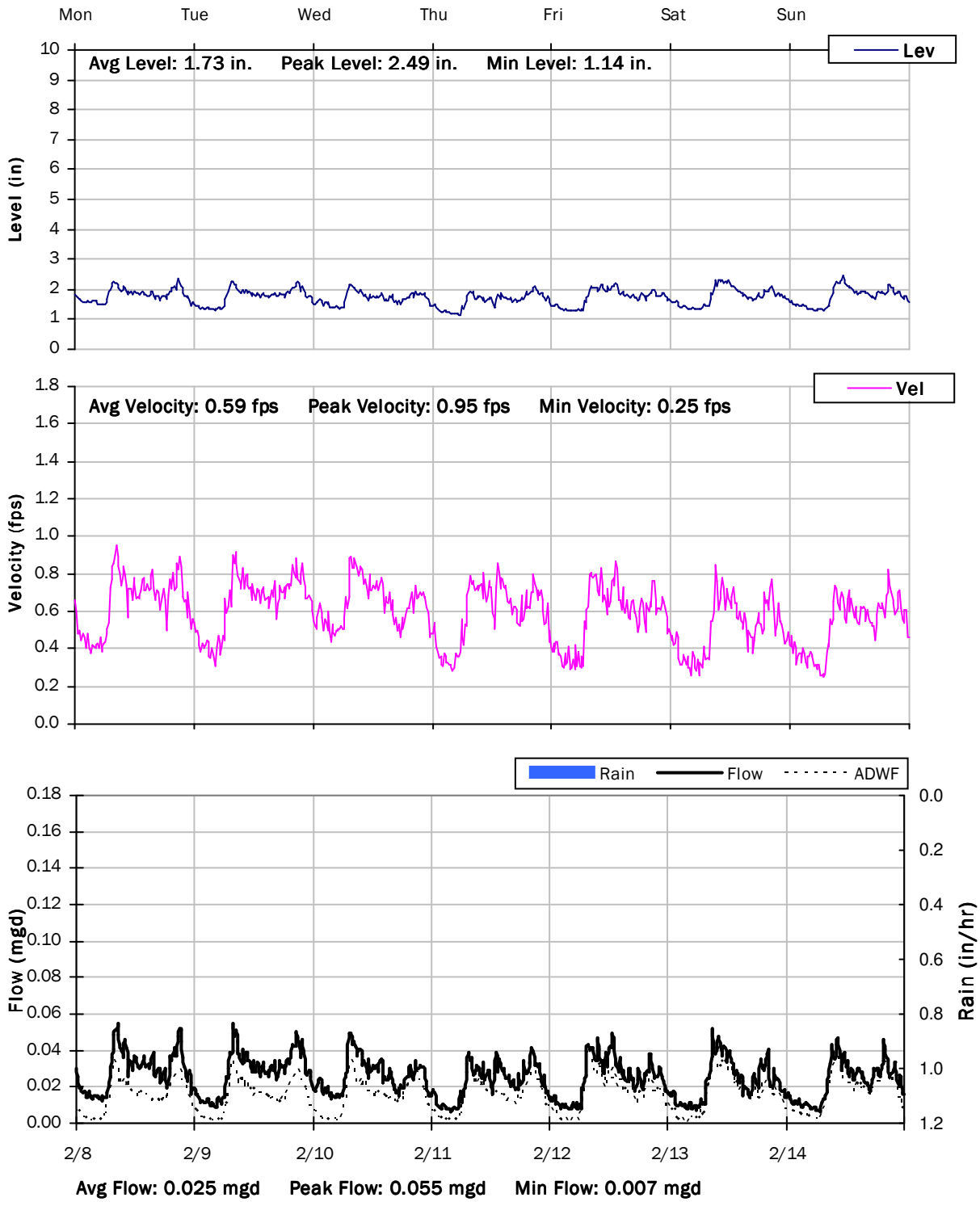
2/1/2016 to 2/8/2016



SITE 4

Weekly Level, Velocity and Flow Hydrographs

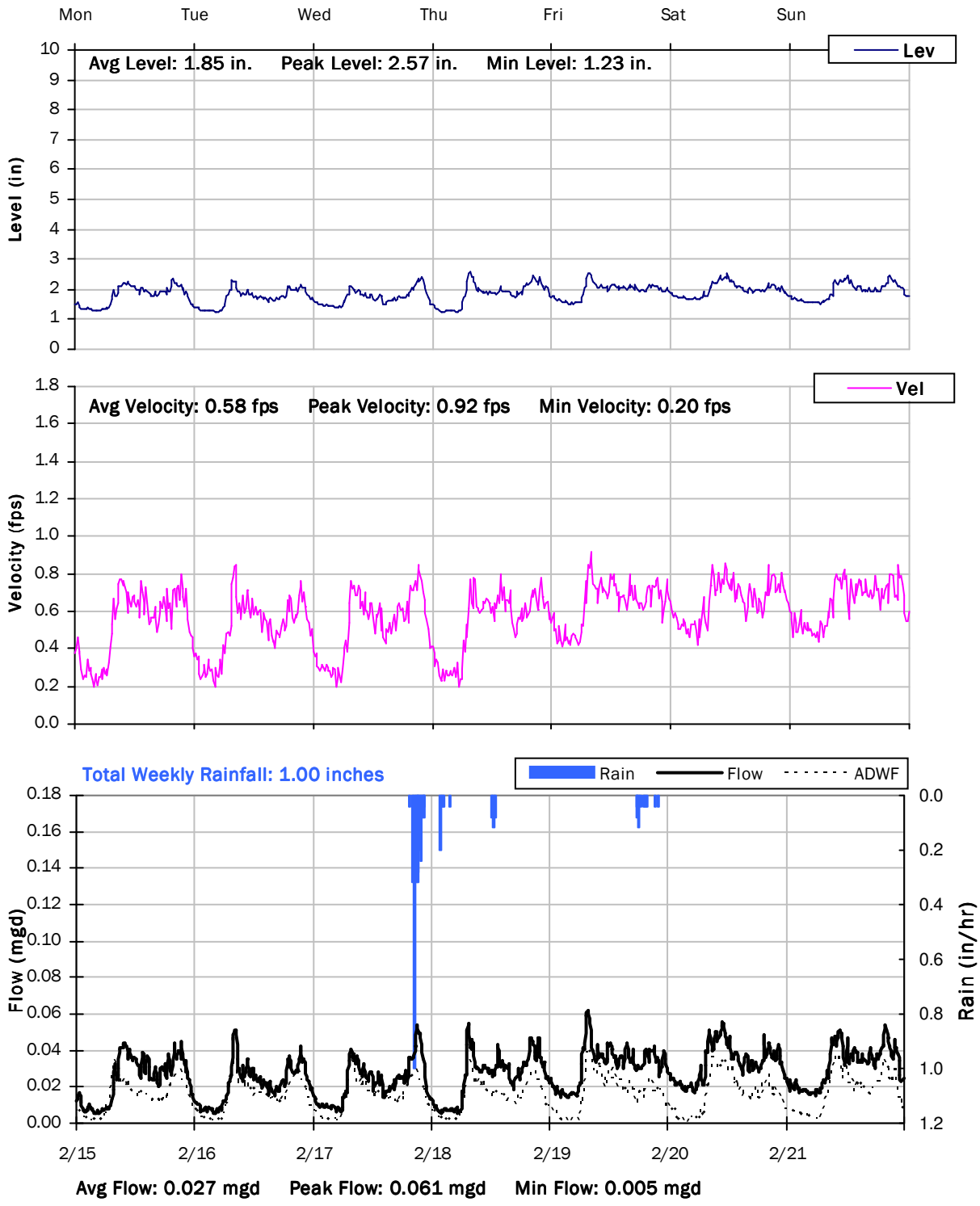
2/8/2016 to 2/15/2016



SITE 4

Weekly Level, Velocity and Flow Hydrographs

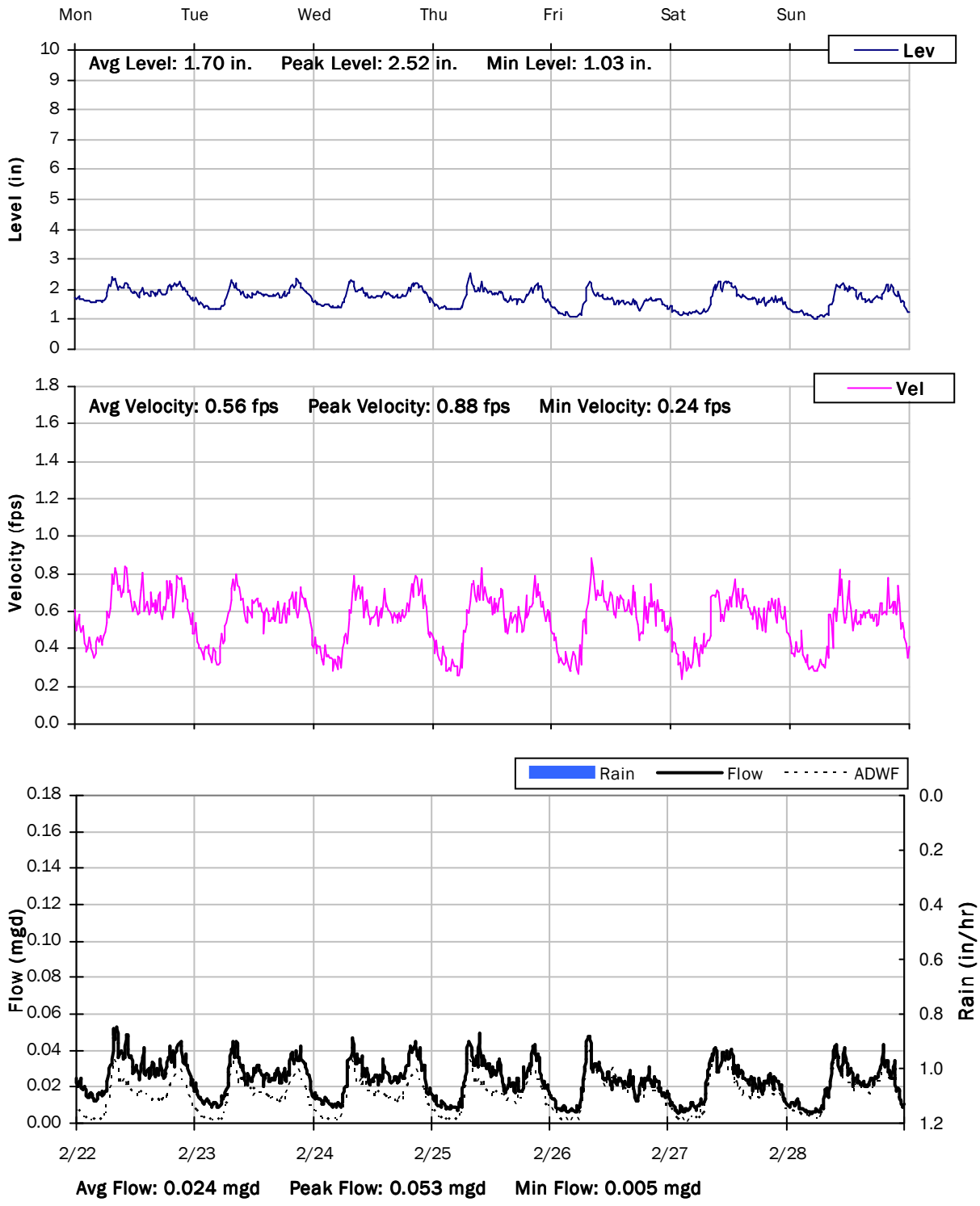
2/15/2016 to 2/22/2016



SITE 4

Weekly Level, Velocity and Flow Hydrographs

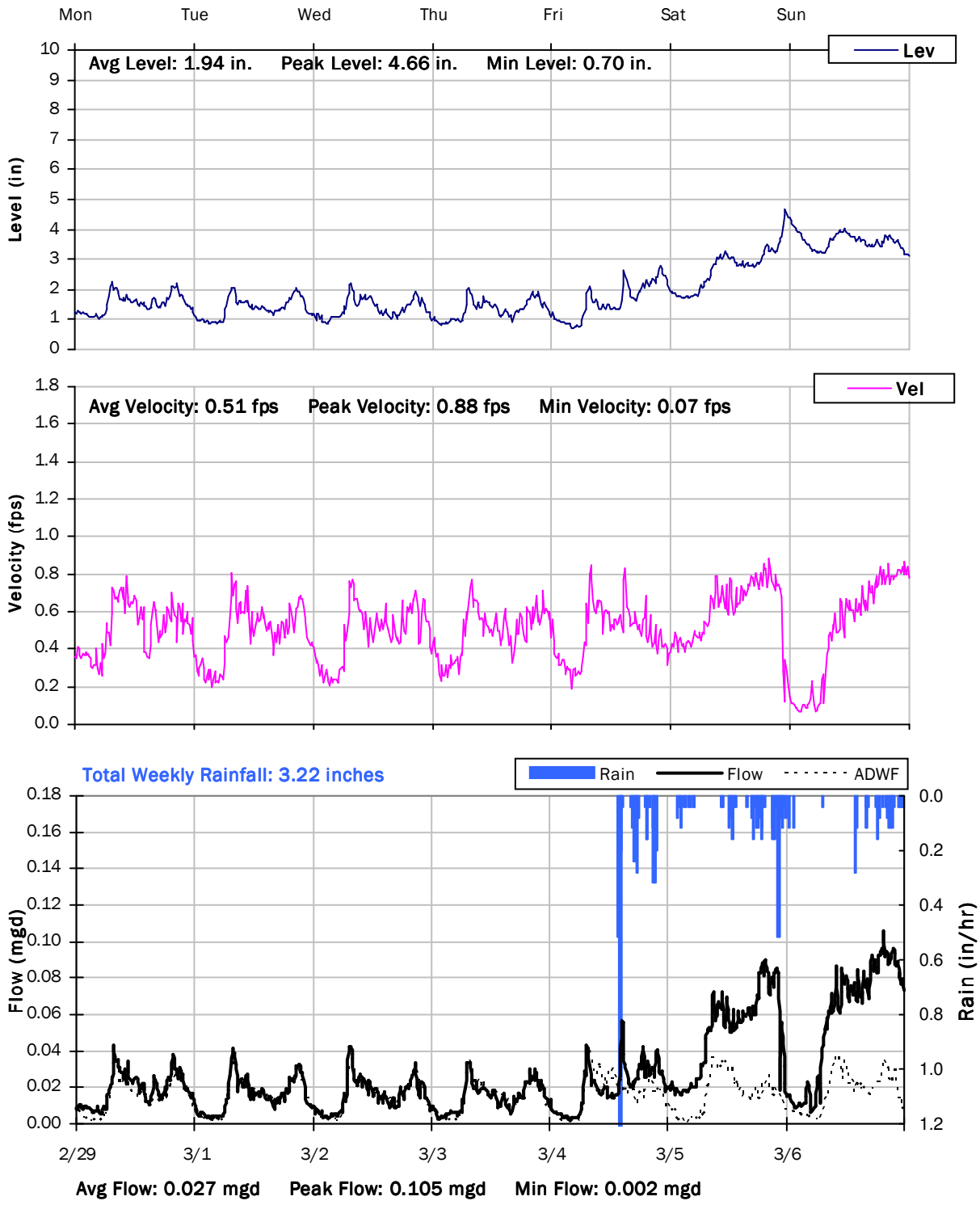
2/22/2016 to 2/29/2016



SITE 4

Weekly Level, Velocity and Flow Hydrographs

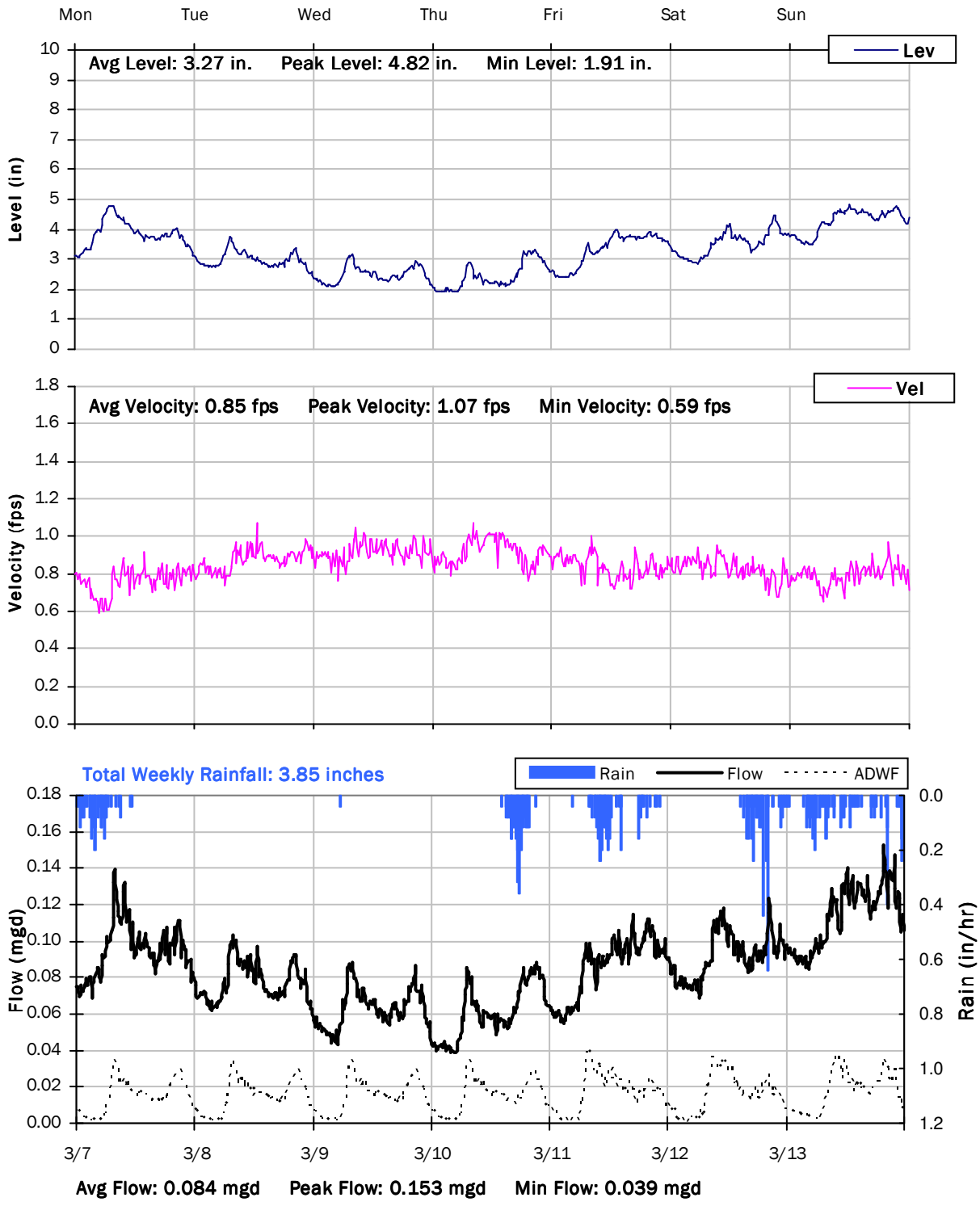
2/29/2016 to 3/7/2016



SITE 4

Weekly Level, Velocity and Flow Hydrographs

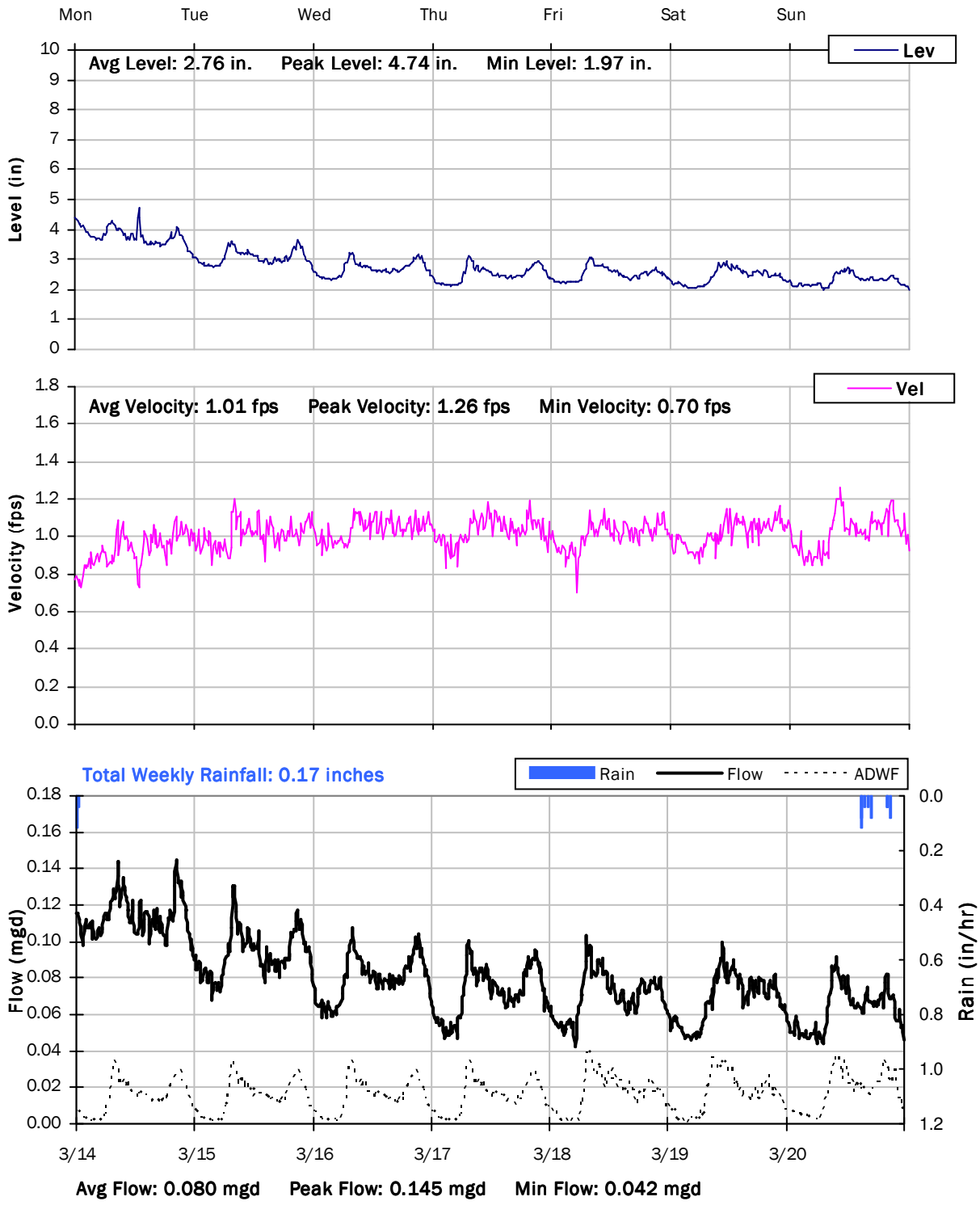
3/7/2016 to 3/14/2016



SITE 4

Weekly Level, Velocity and Flow Hydrographs

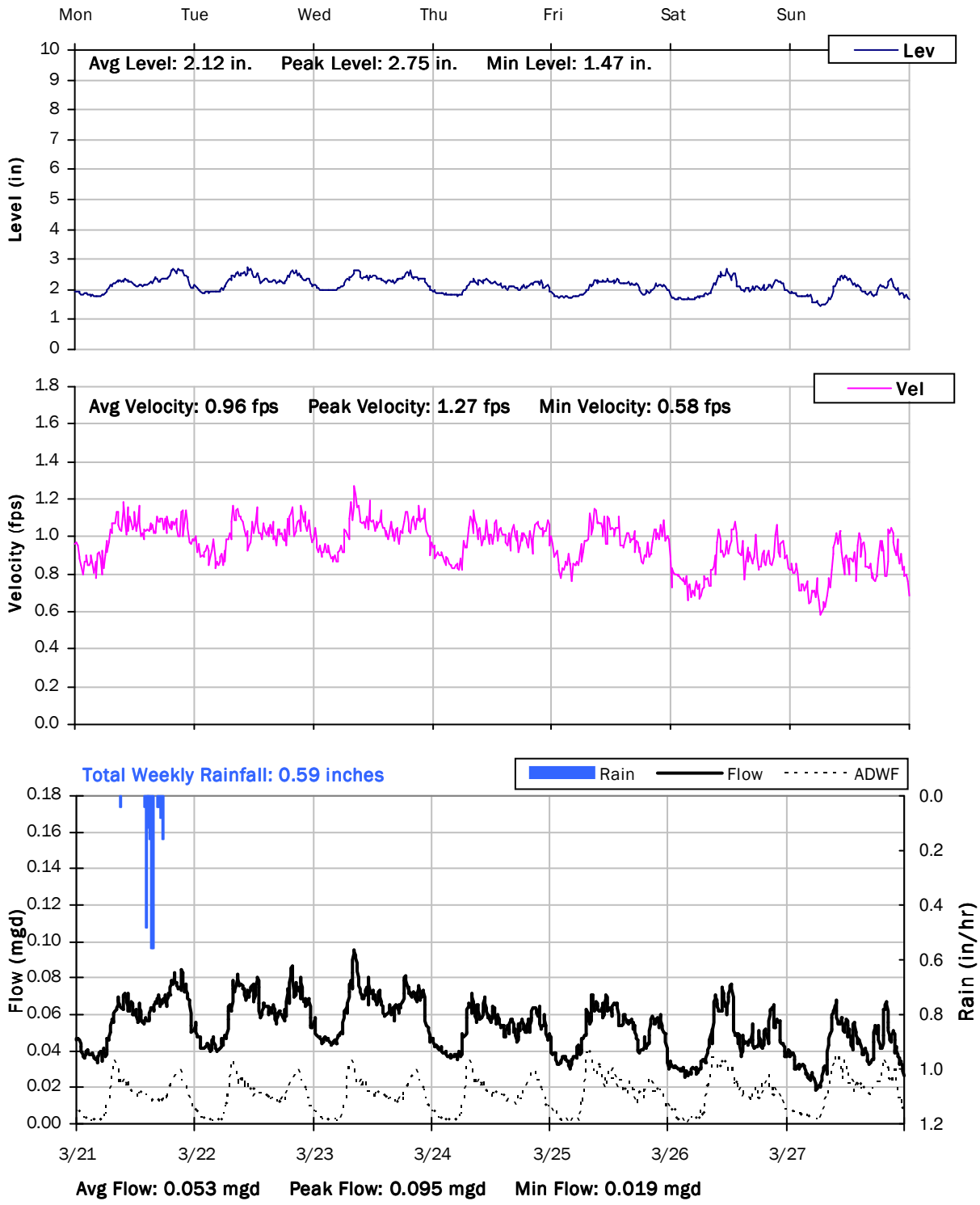
3/14/2016 to 3/21/2016



SITE 4

Weekly Level, Velocity and Flow Hydrographs

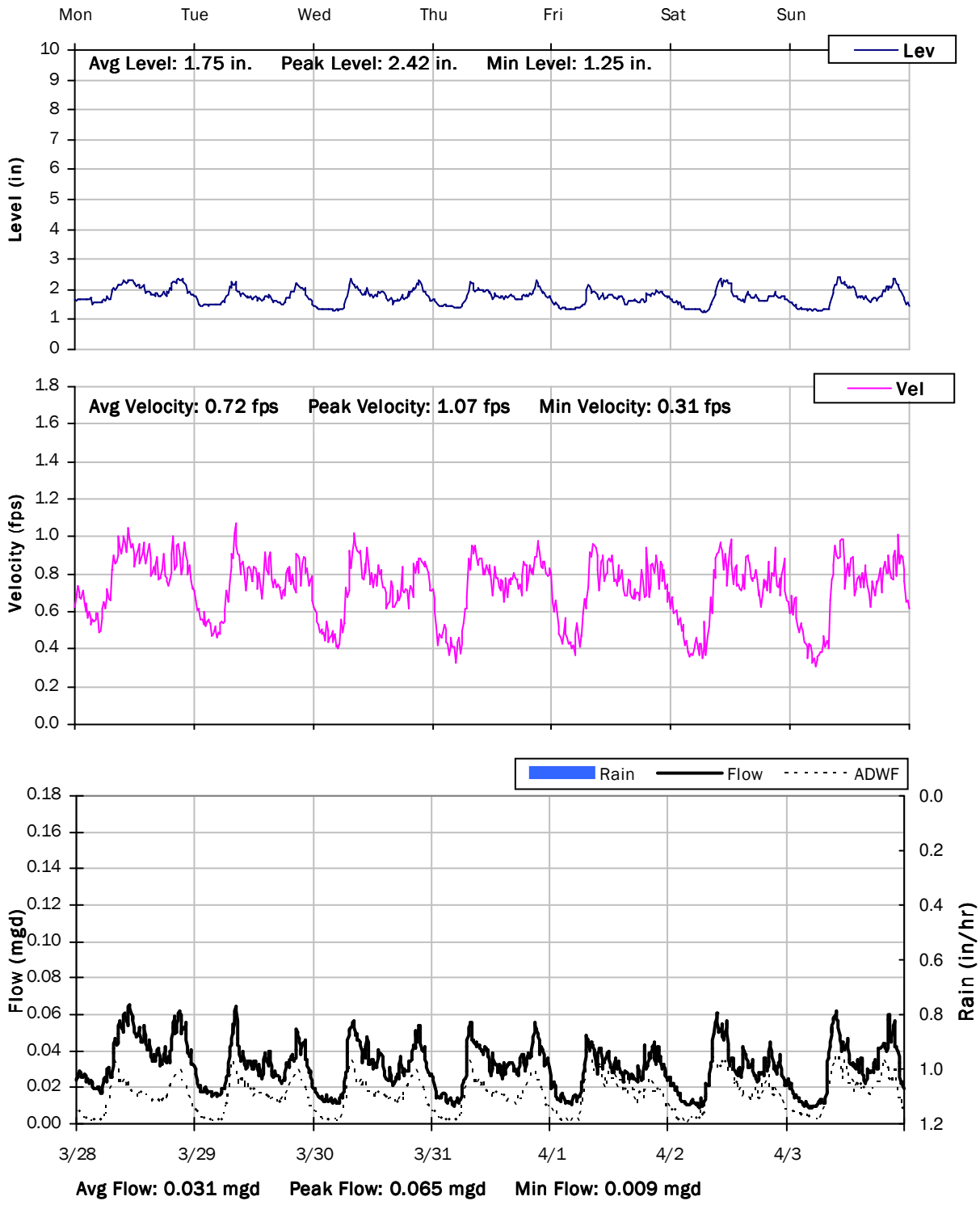
3/21/2016 to 3/28/2016



SITE 4

Weekly Level, Velocity and Flow Hydrographs

3/28/2016 to 4/4/2016



City of Lincoln

Sanitary Sewer Flow Monitoring

Temporary Monitoring: January 23 to April 3, 2016

Monitoring Site: Site 5

Location: Off road, approx. 450 ft east of 305-525 Business Park Dr.

Data Summary Report

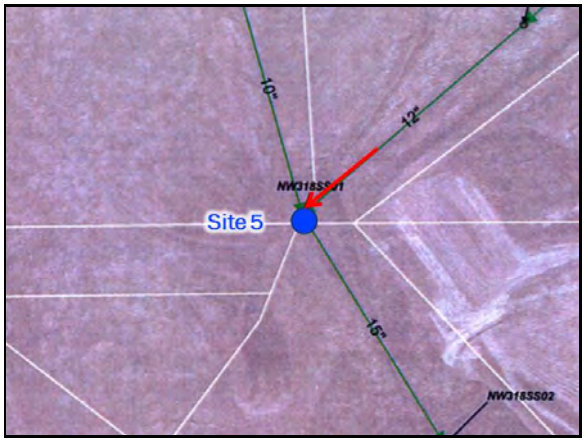
Vicinity Map: Site 5

SITE 5

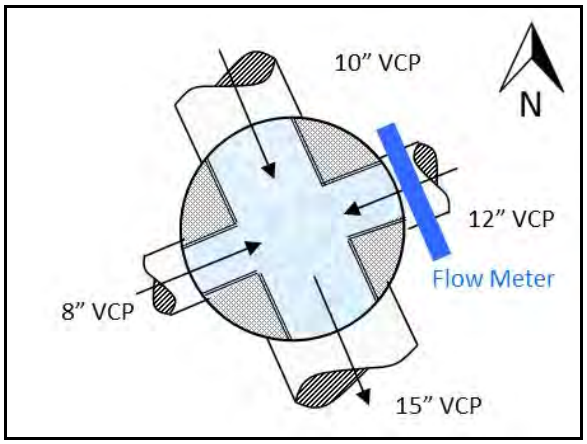
Site Information

Location:	Off road, approx. 450 ft east of 305-525 Business Park Dr.
Coordinates:	121.3347° W, 38.9010° N
Rim Elevation (Earth):	122 feet
Pipe Diameter:	12 inches
ADWF:	0.067 mgd
Peak Measured Flow:	0.530 mgd

Satellite Map



Sanitary Map



Flow Sketch

Street View

Plan View

SITE 5

Additional Site Photos

Influent Pipe

Effluent Pipe

SITE 5

Additional Site Photos

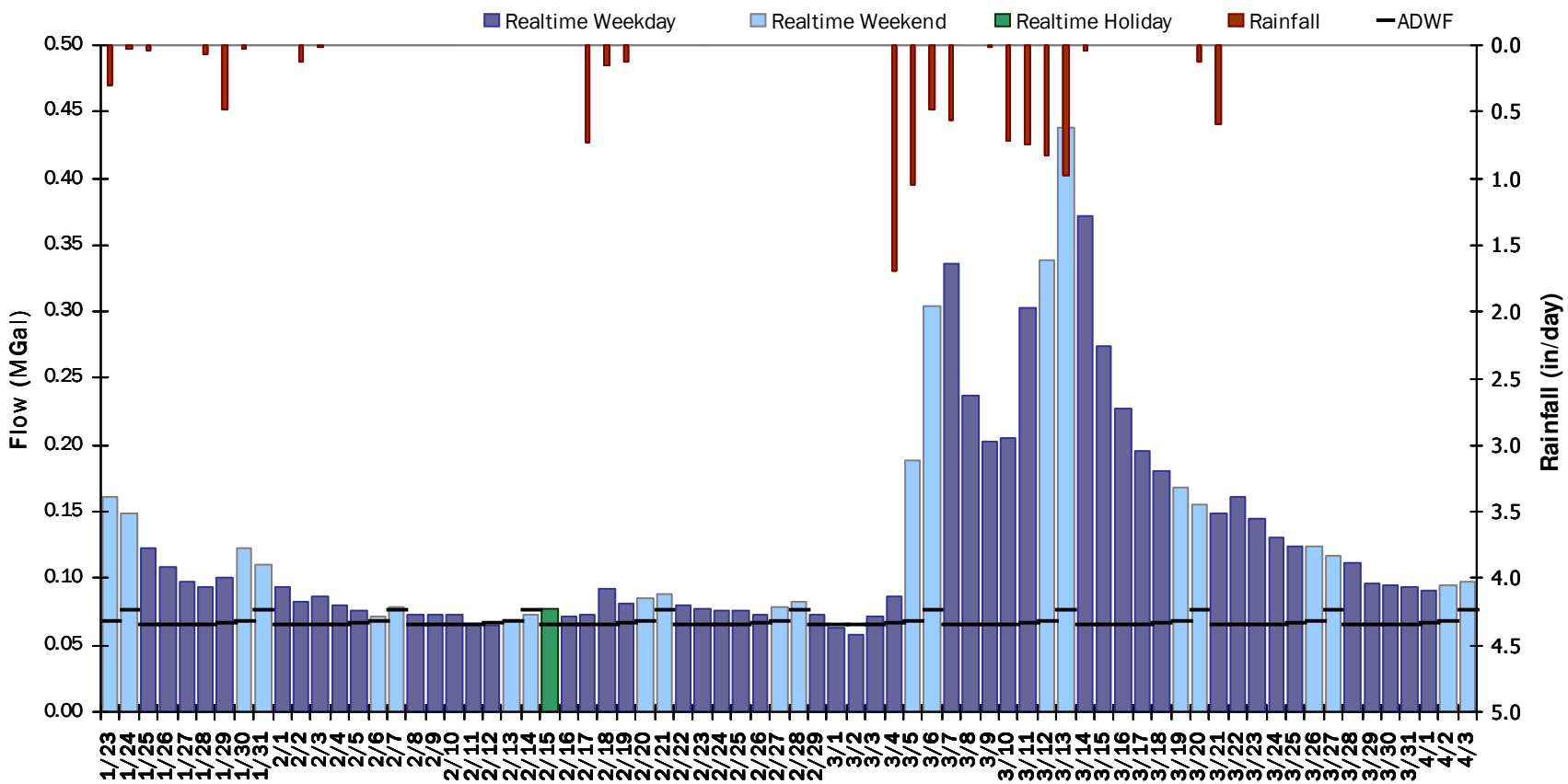
West Lateral

SITE 5

Period Flow Summary: Daily Flow Totals

Avg Period Flow: 0.130 MGal **Peak Daily Flow: 0.439 MGal** **Min Daily Flow: 0.057 MGal**

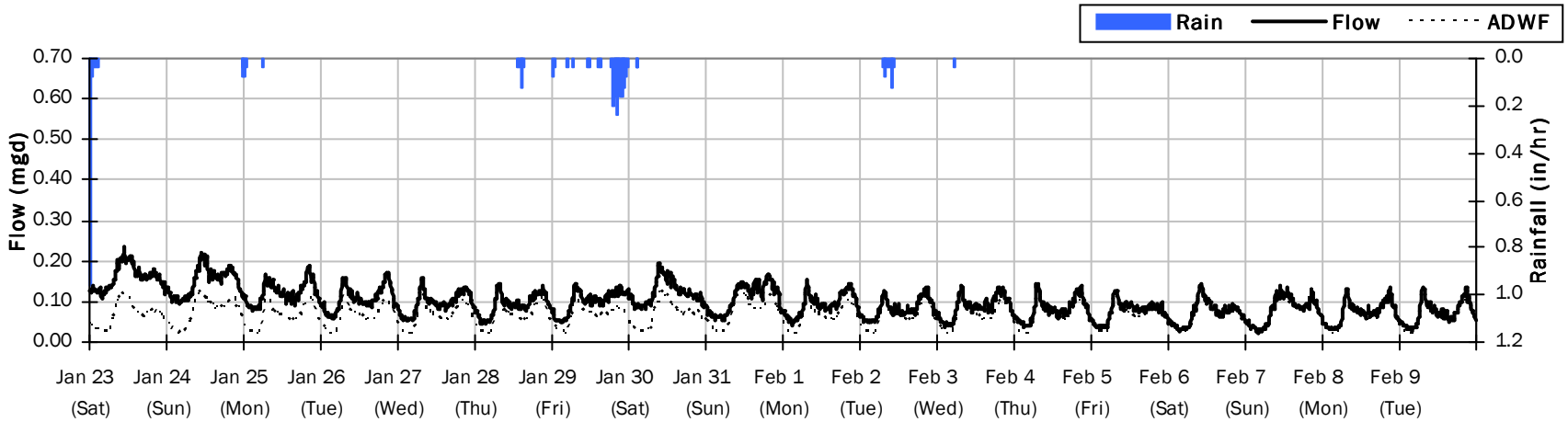
Total Period Rainfall: 9.91 inches

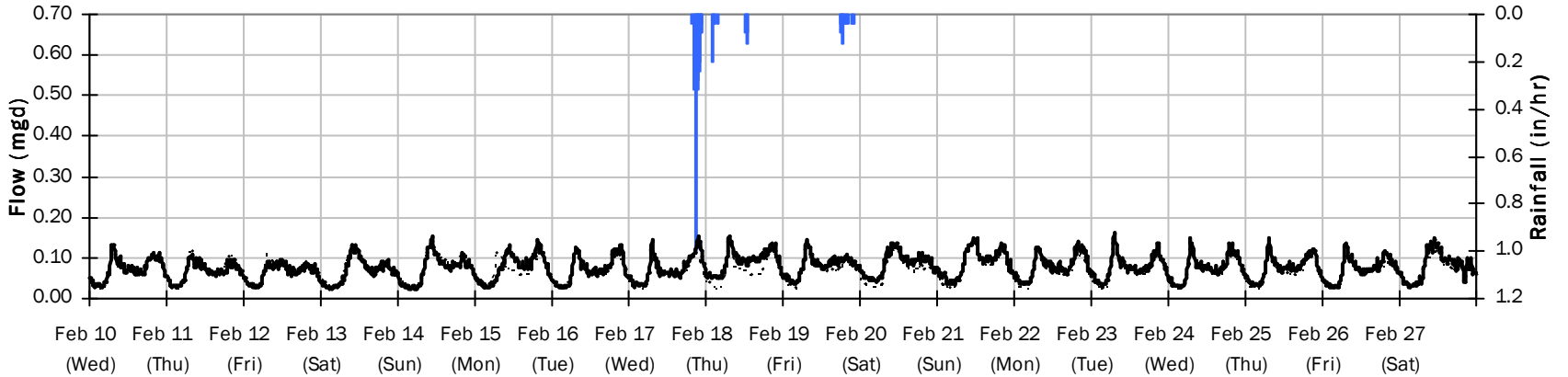


SITE 5

Flow Summary: 1/23/2016 to 2/27/2016

Total Period Rainfall: 2.08 inches **Avg Flow: 0.088 mgd** **Peak Flow: 0.235 mgd** **Min Flow: 0.023 mgd**

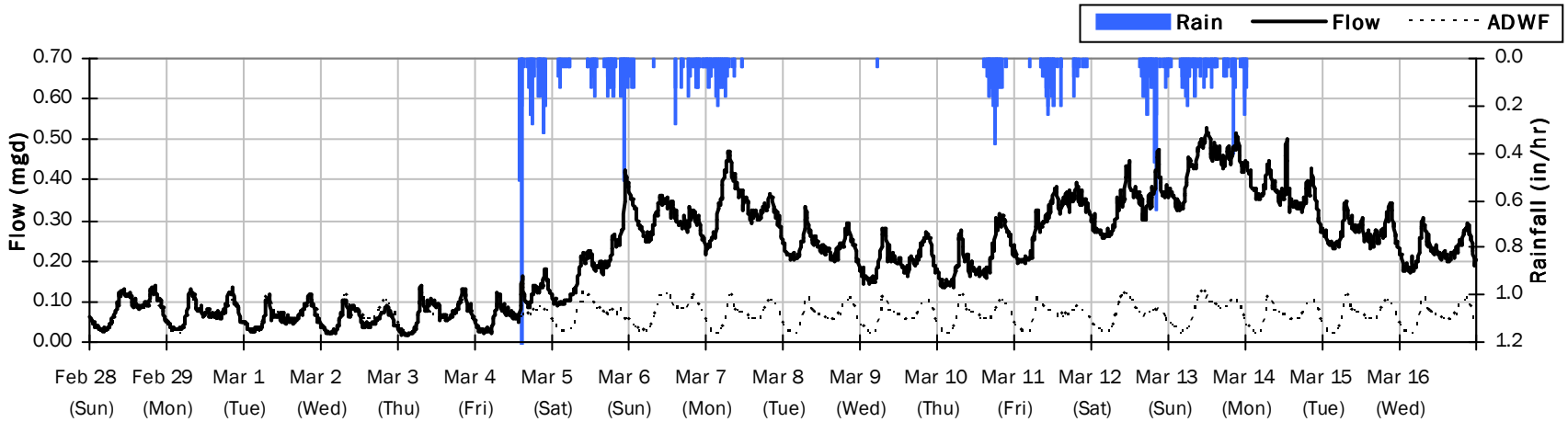


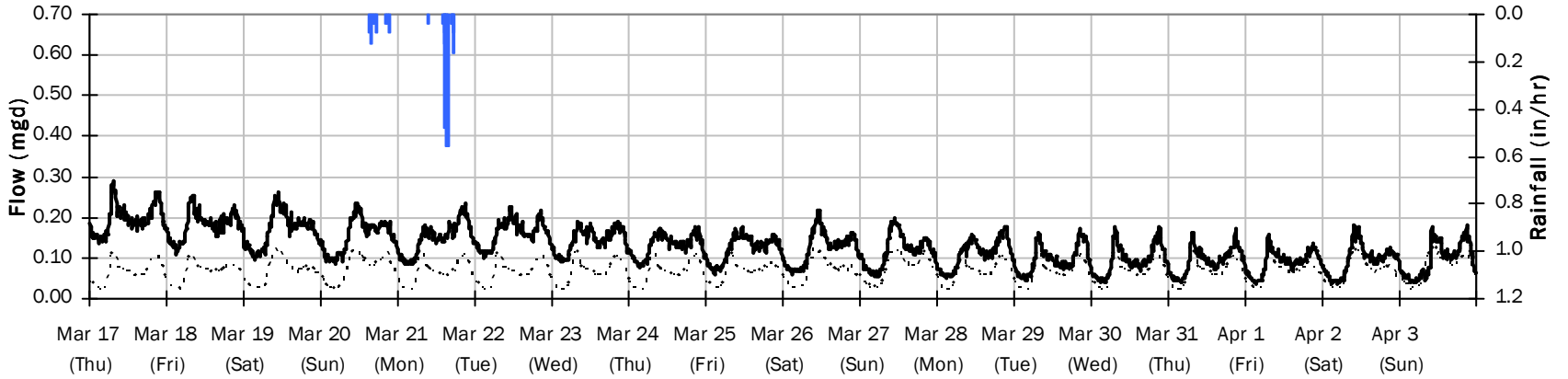


SITE 5

Flow Summary: 2/28/2016 to 4/3/2016

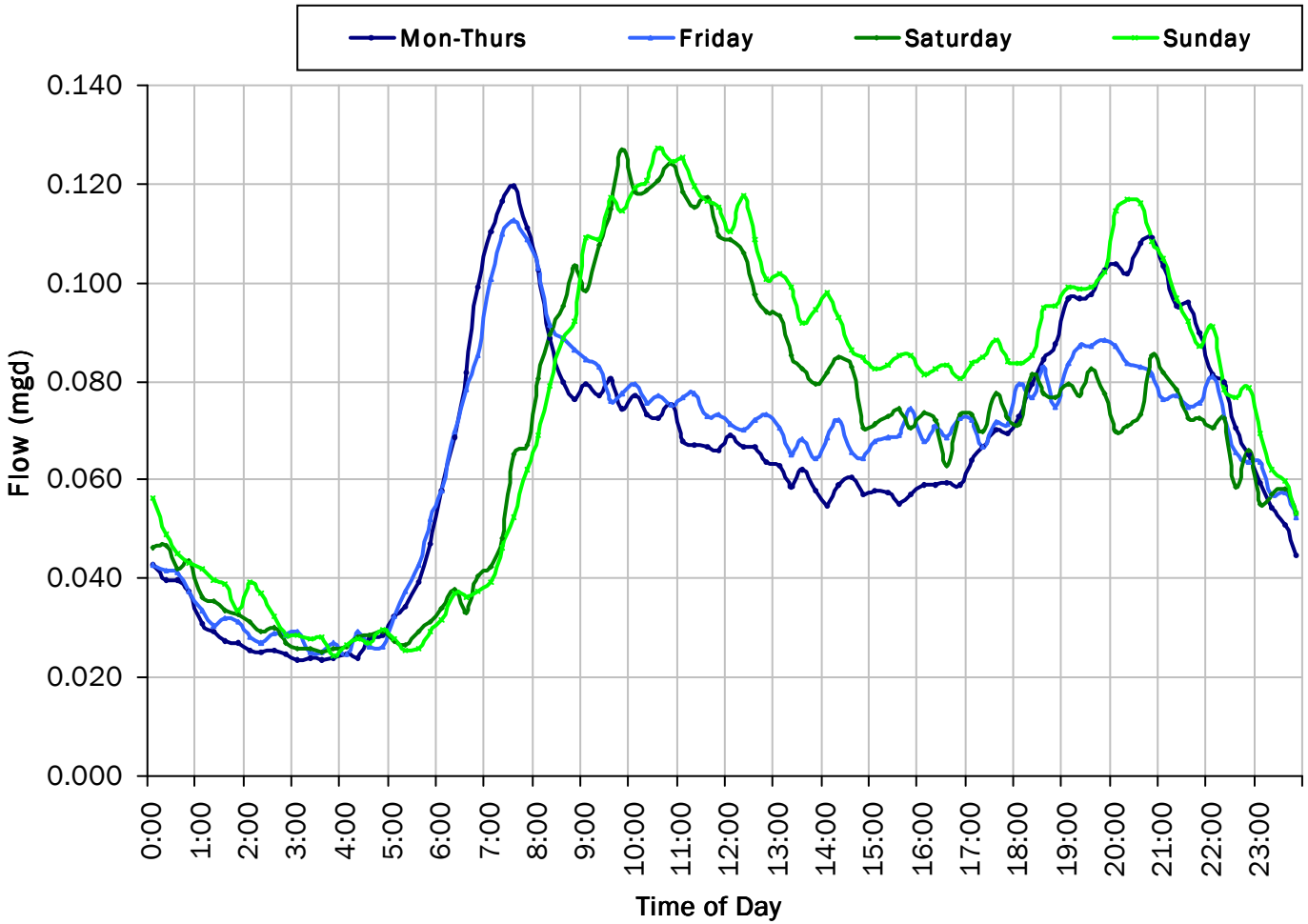
Total Period Rainfall: 7.83 inches **Avg Flow: 0.172 mgd** **Peak Flow: 0.530 mgd** **Min Flow: 0.019 mgd**





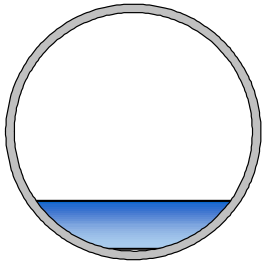
SITE 5

Average Dry Weather Flow Hydrographs



ADWF:

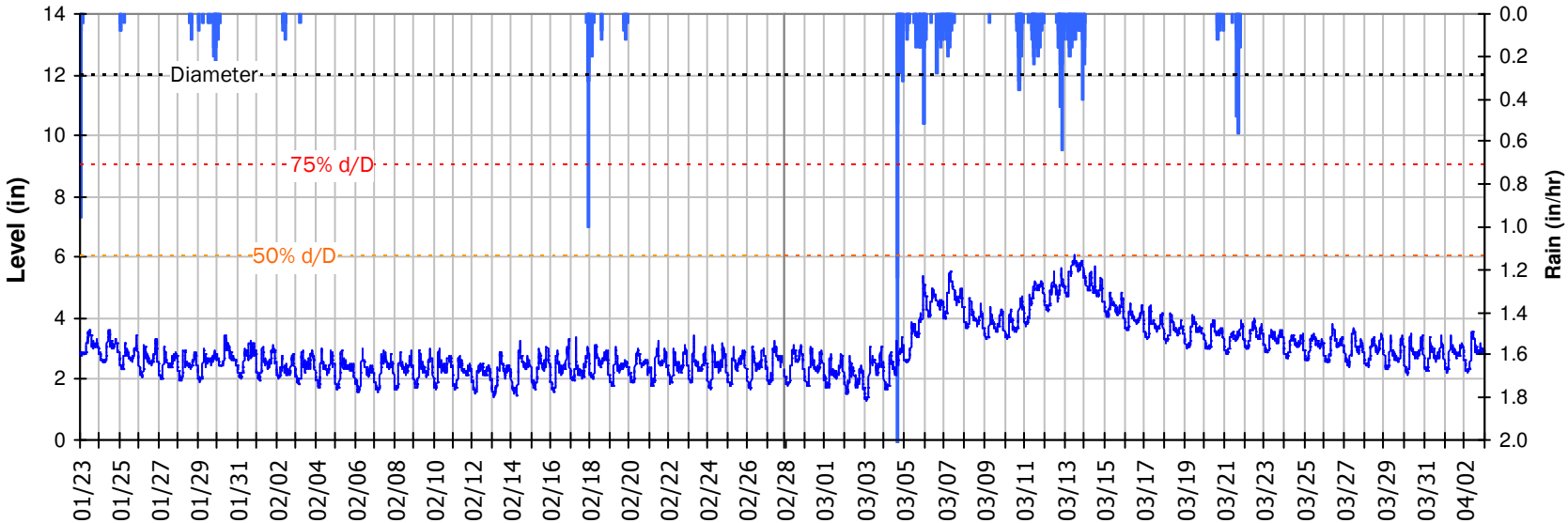
0.067 *mgd*

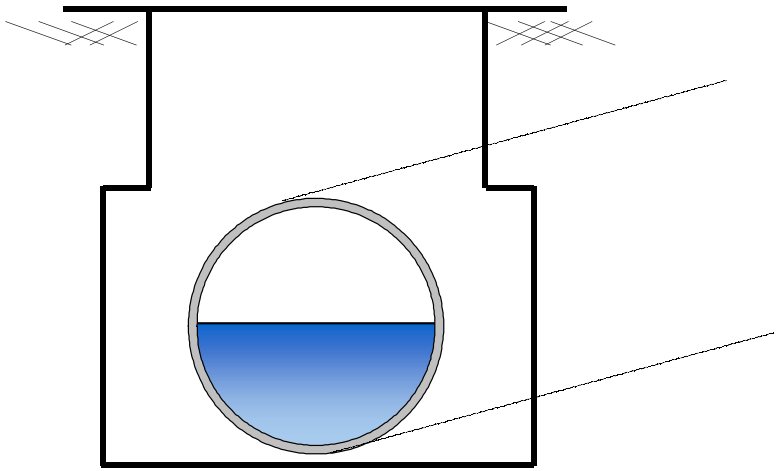


SITE 5

Site Capacity and Surcharge Summary

Realtime Flow Levels with Rainfall Data over Monitoring Period

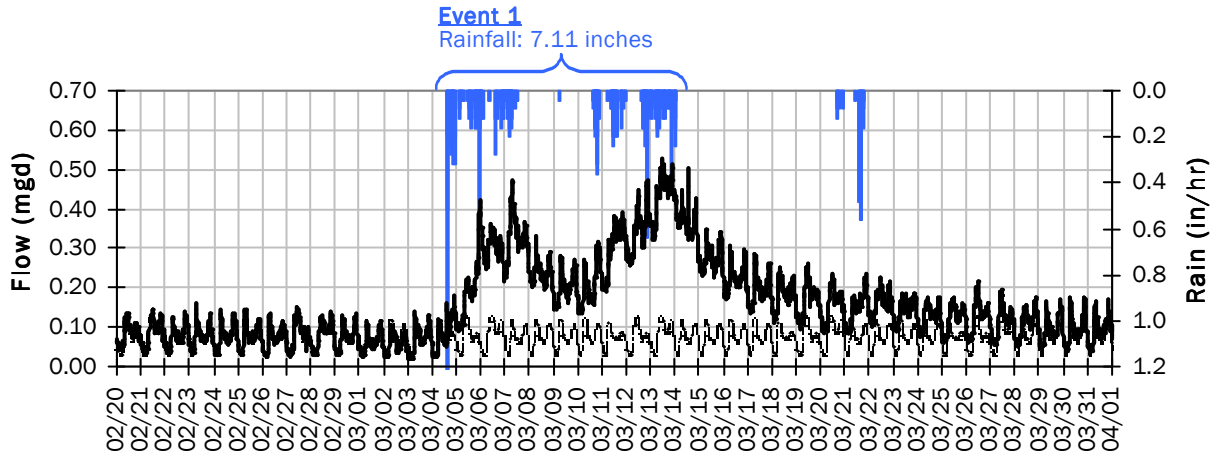




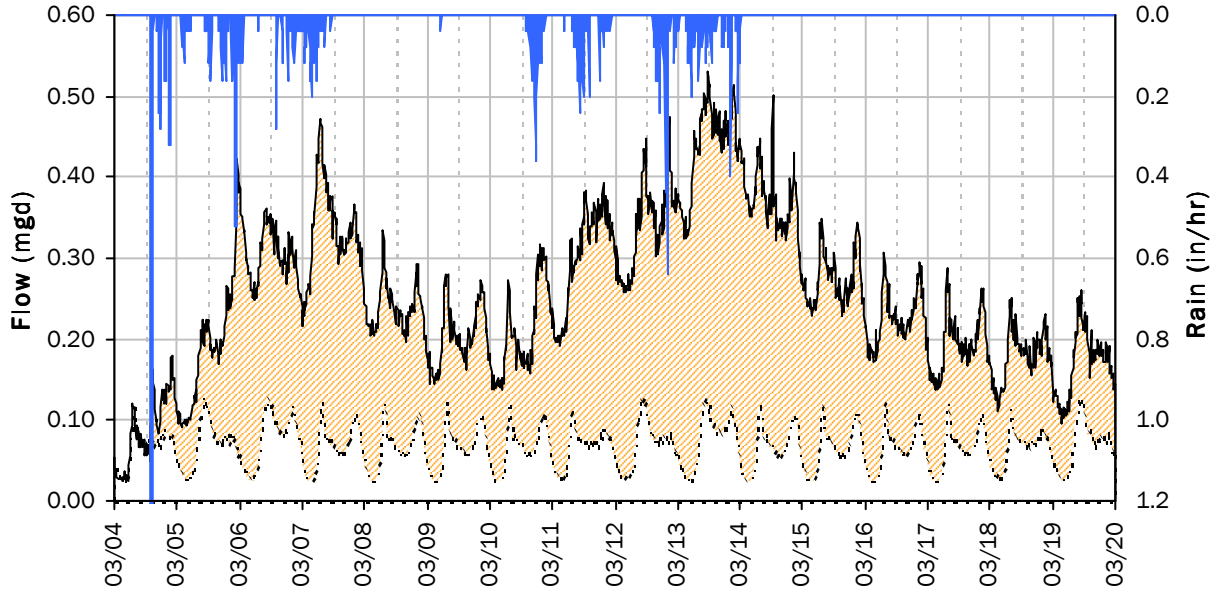
Pipe Diameter:	12	*inches*
Peak Measured Level:	6.06	*inches*
Peak d/D Ratio:	0.51	

SITE 5
I/I Summary: Event 1

Baseline and Realtime Flows with Rainfall Data over Monitoring Period



Event 1 Detail Graph



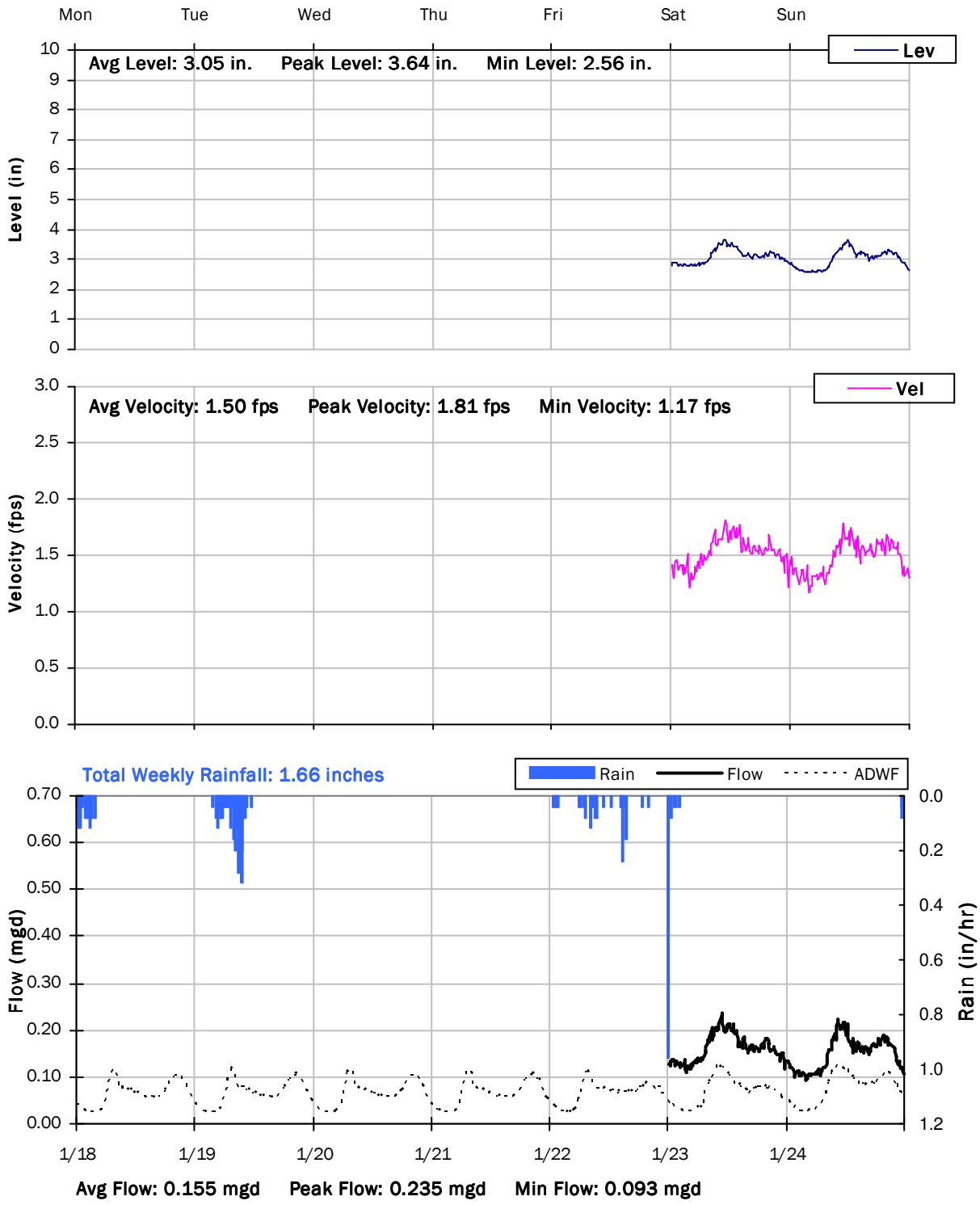
Storm Event I/I Analysis (Rain = 7.11 inches)

Capacity		Inflow / Infiltration	
Peak Flow:	0.53 *mgd*	**Peak I/I Rate:**	0.44 *mgd*
PF:	7.92	**Total I/I:**	2,990,000 *gallons*
Peak Level:	6.06 *in*		
d/D Ratio:	0.51		

SITE 5

Weekly Level, Velocity and Flow Hydrographs

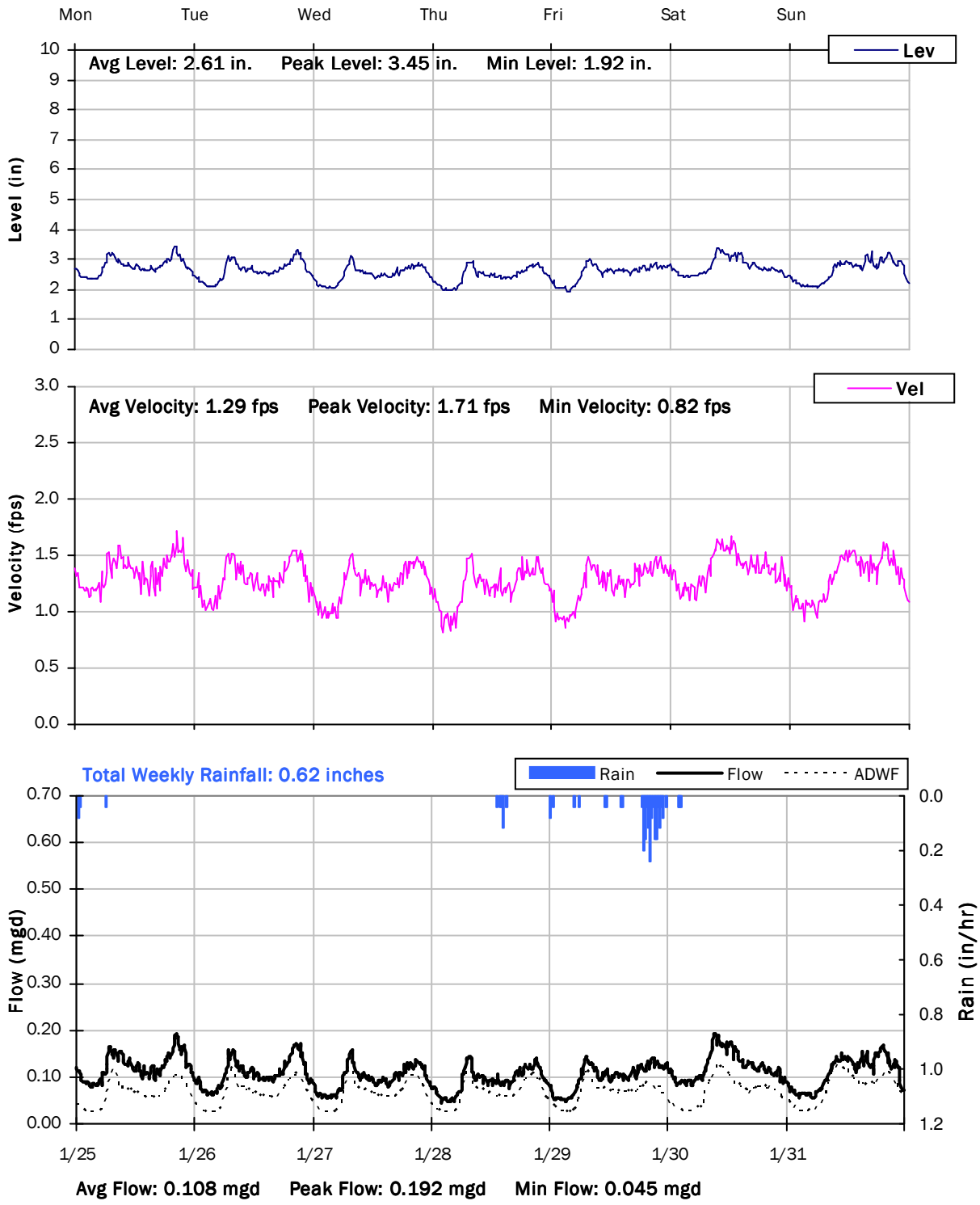
1/18/2016 to 1/25/2016



SITE 5

Weekly Level, Velocity and Flow Hydrographs

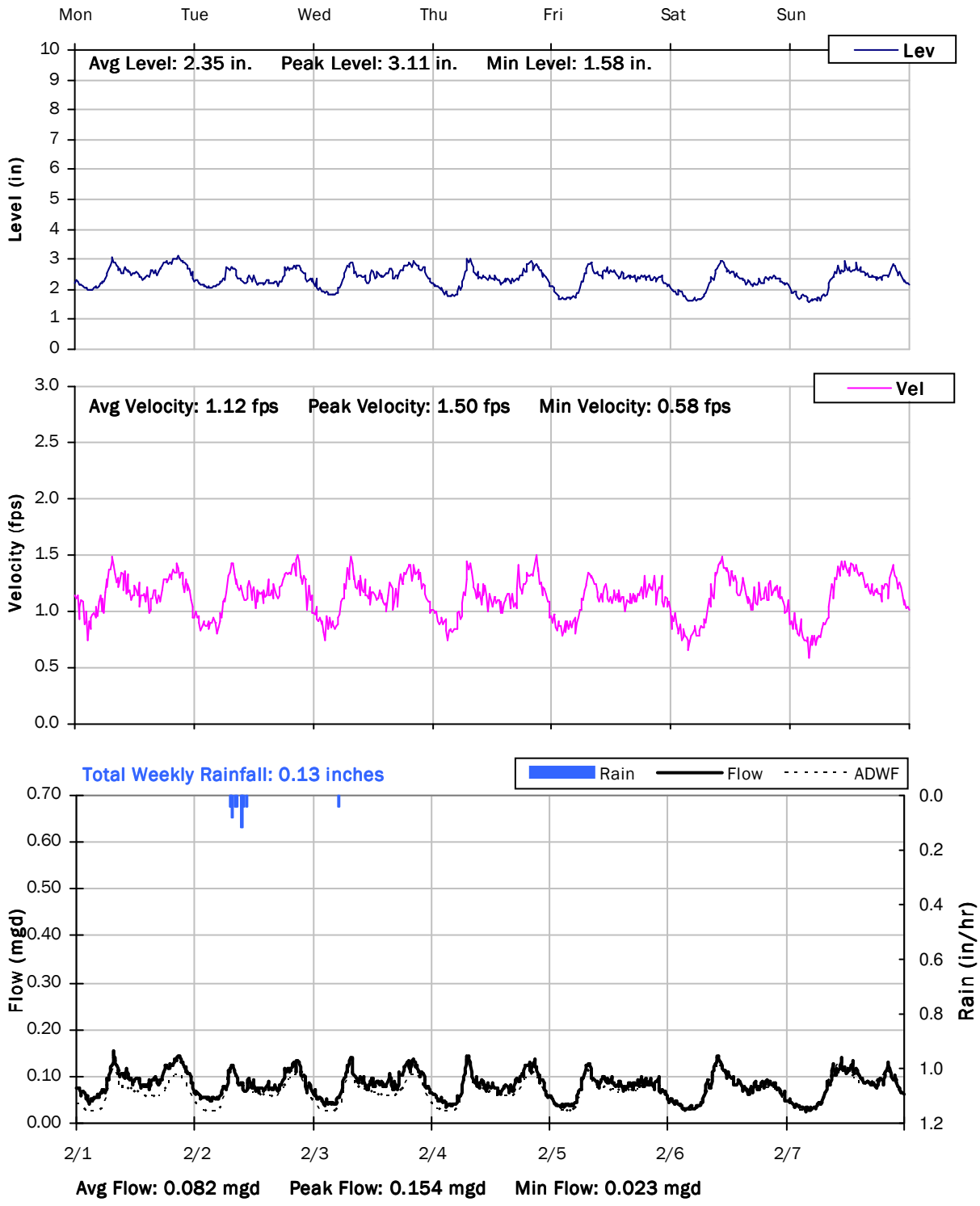
1/25/2016 to 2/1/2016



SITE 5

Weekly Level, Velocity and Flow Hydrographs

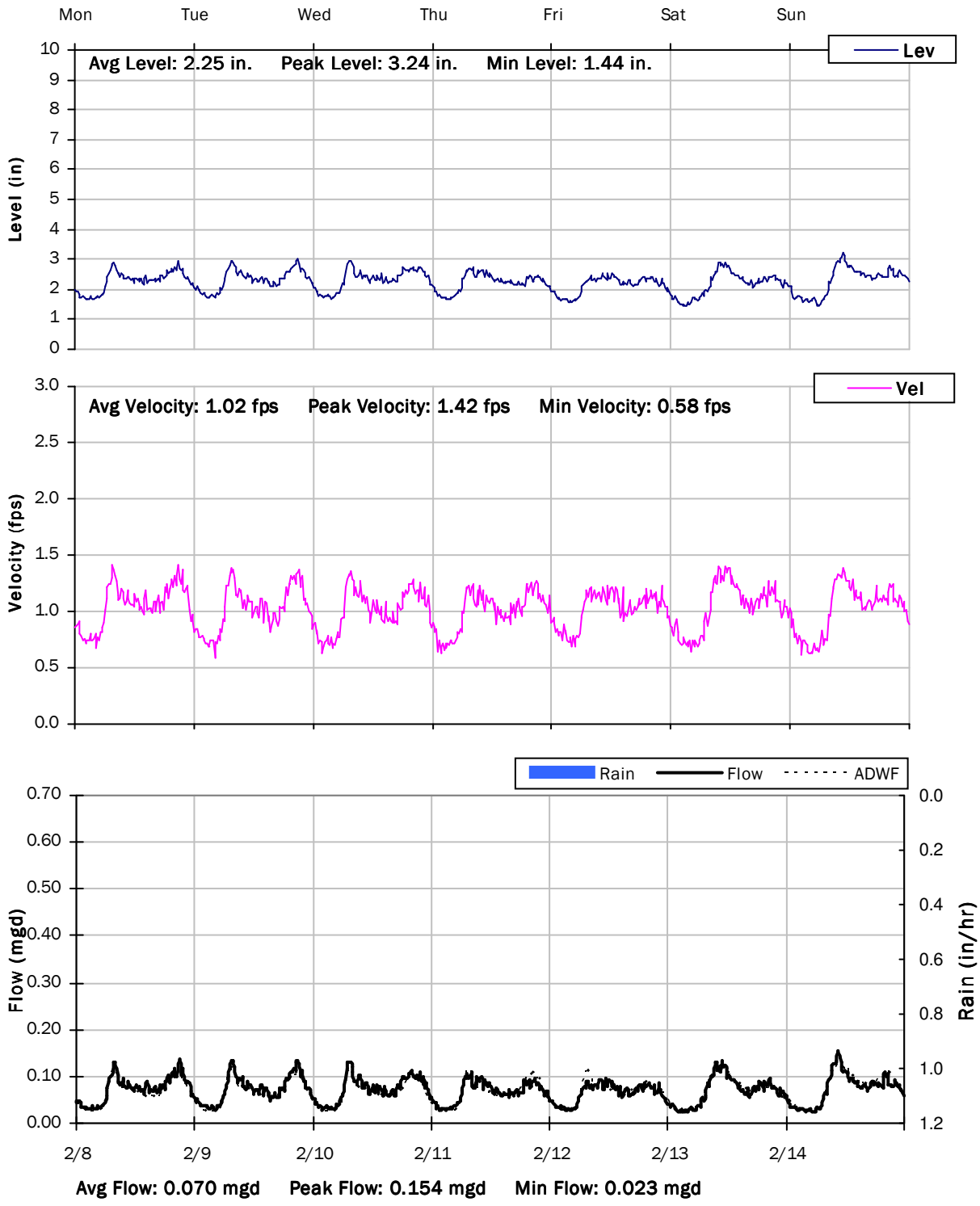
2/1/2016 to 2/8/2016



SITE 5

Weekly Level, Velocity and Flow Hydrographs

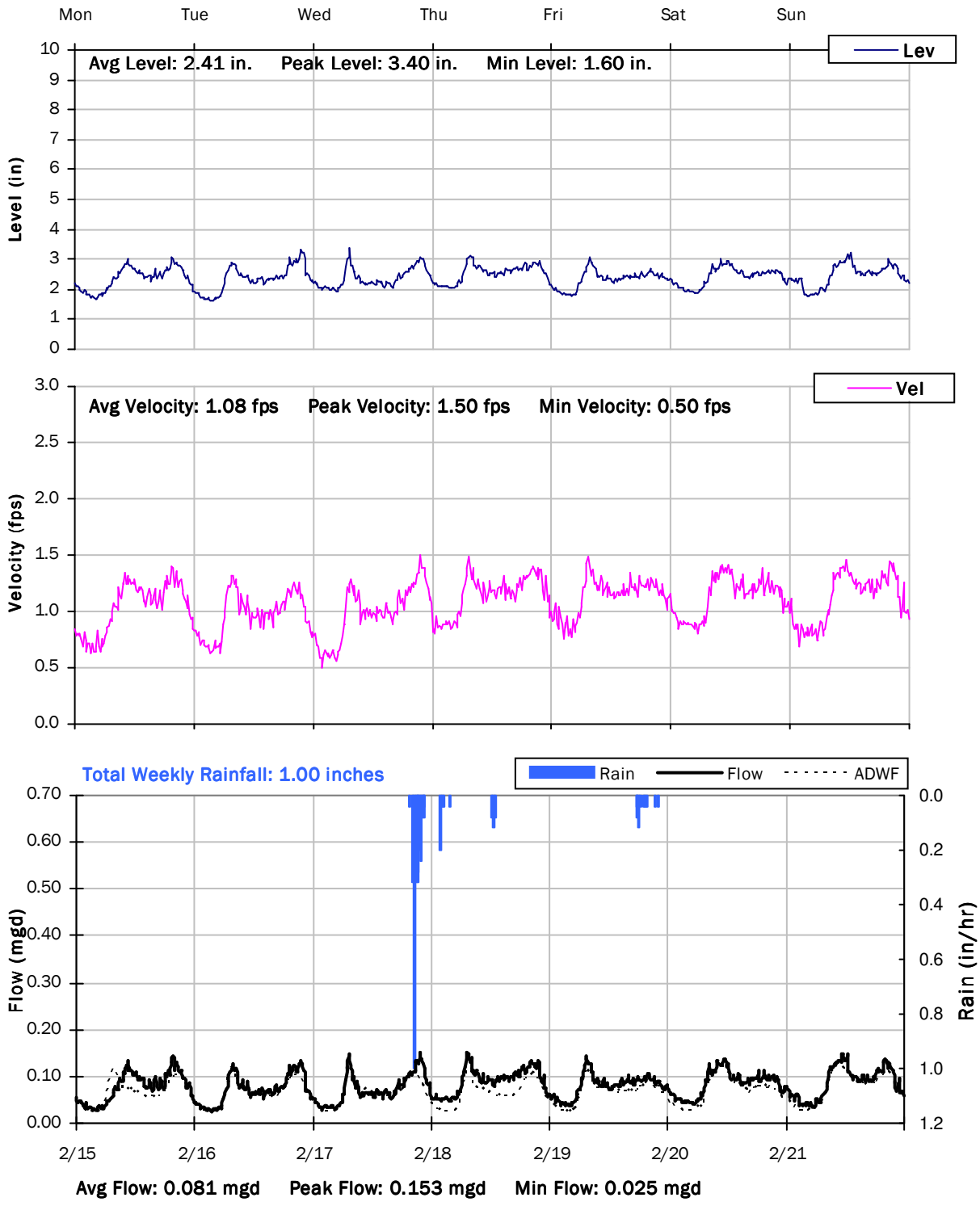
2/8/2016 to 2/15/2016



SITE 5

Weekly Level, Velocity and Flow Hydrographs

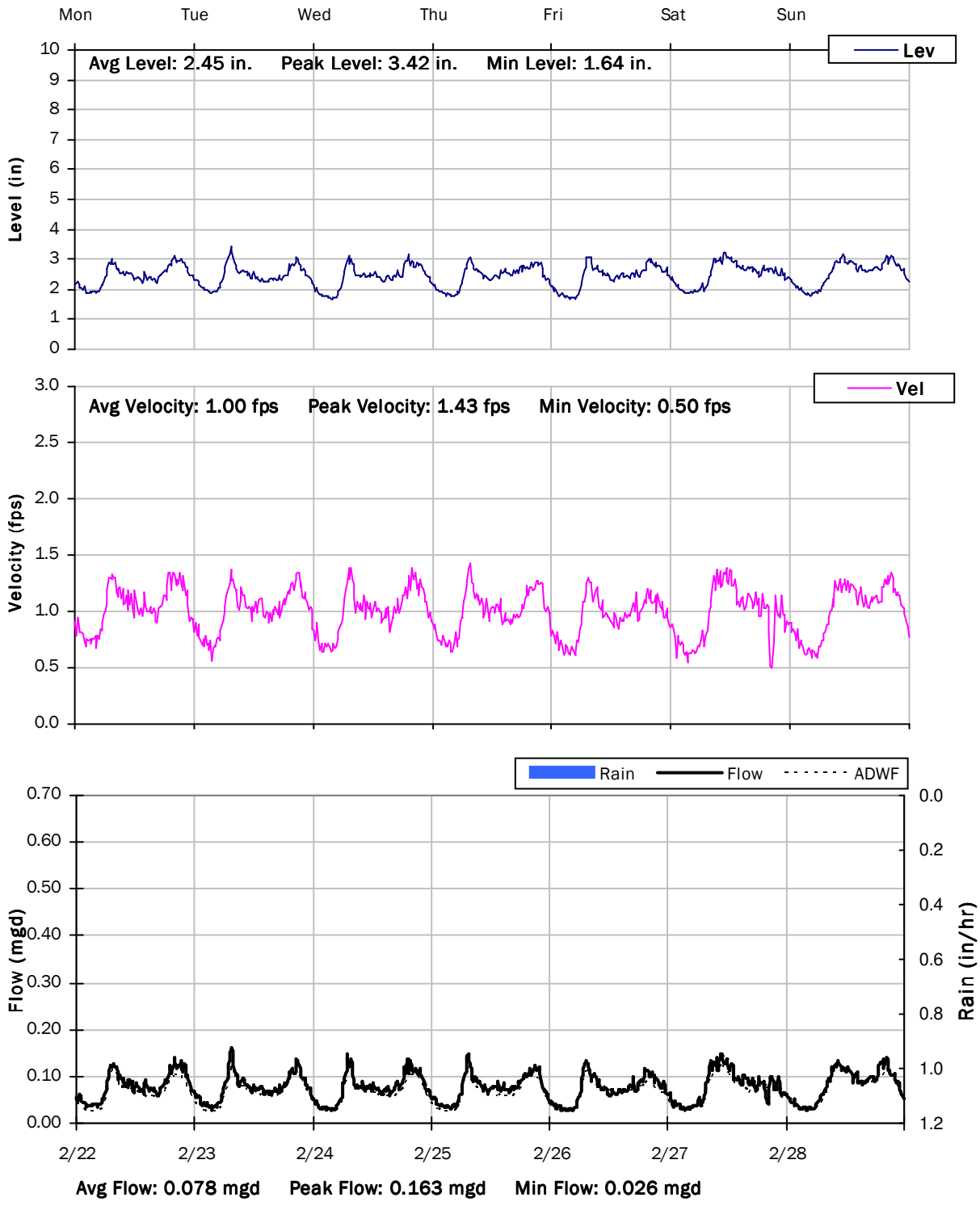
2/15/2016 to 2/22/2016



SITE 5

Weekly Level, Velocity and Flow Hydrographs

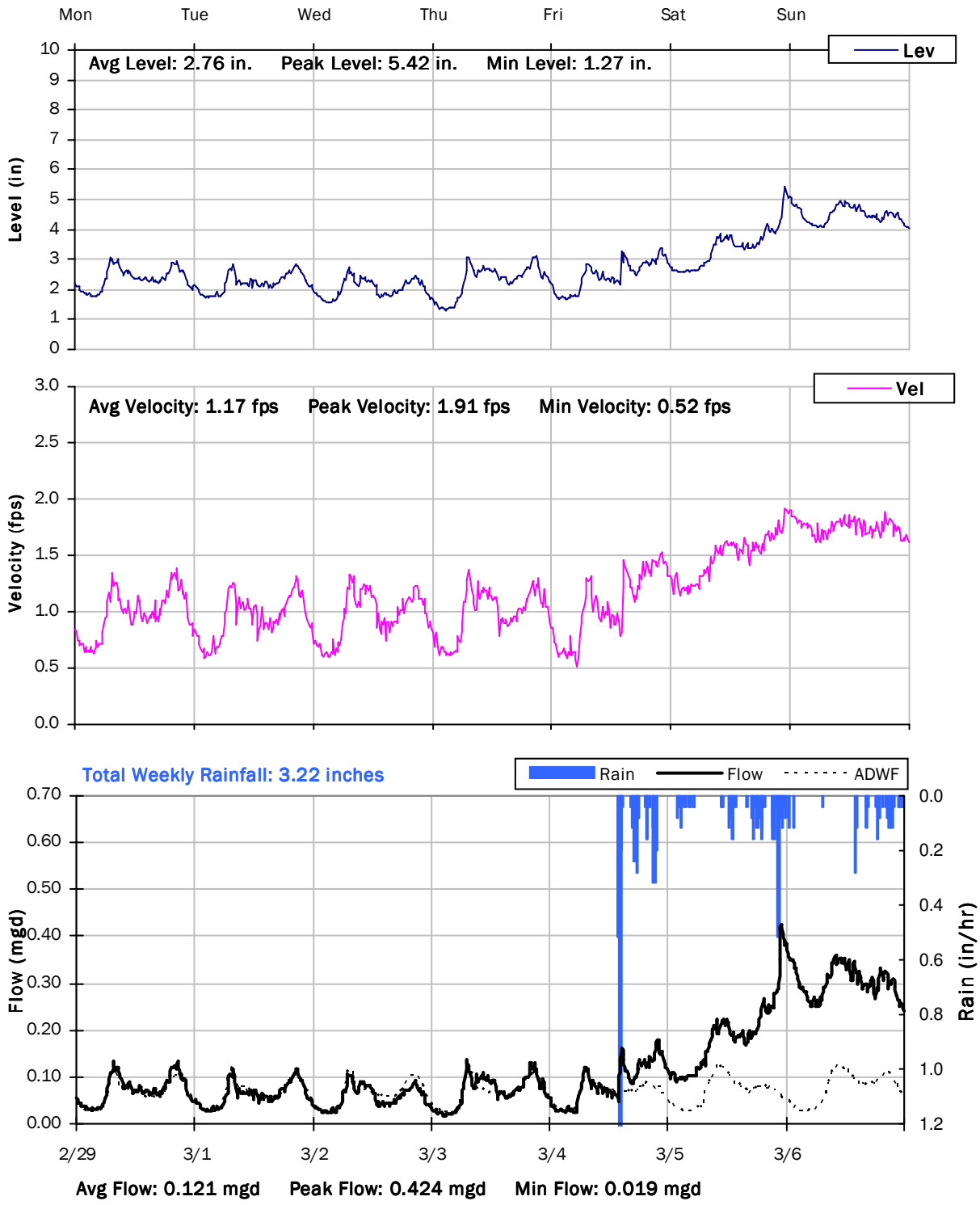
2/22/2016 to 2/29/2016



SITE 5

Weekly Level, Velocity and Flow Hydrographs

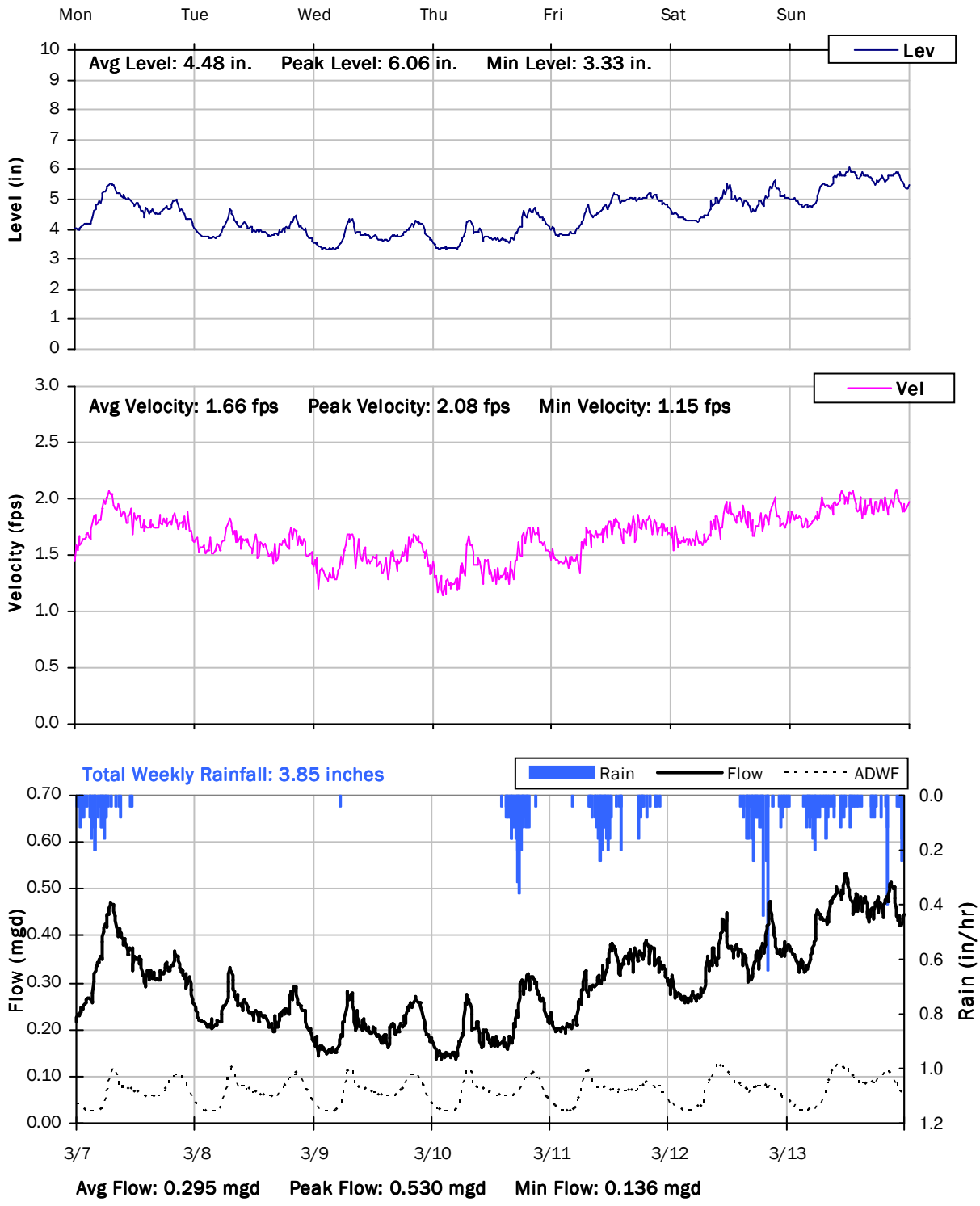
2/29/2016 to 3/7/2016



SITE 5

Weekly Level, Velocity and Flow Hydrographs

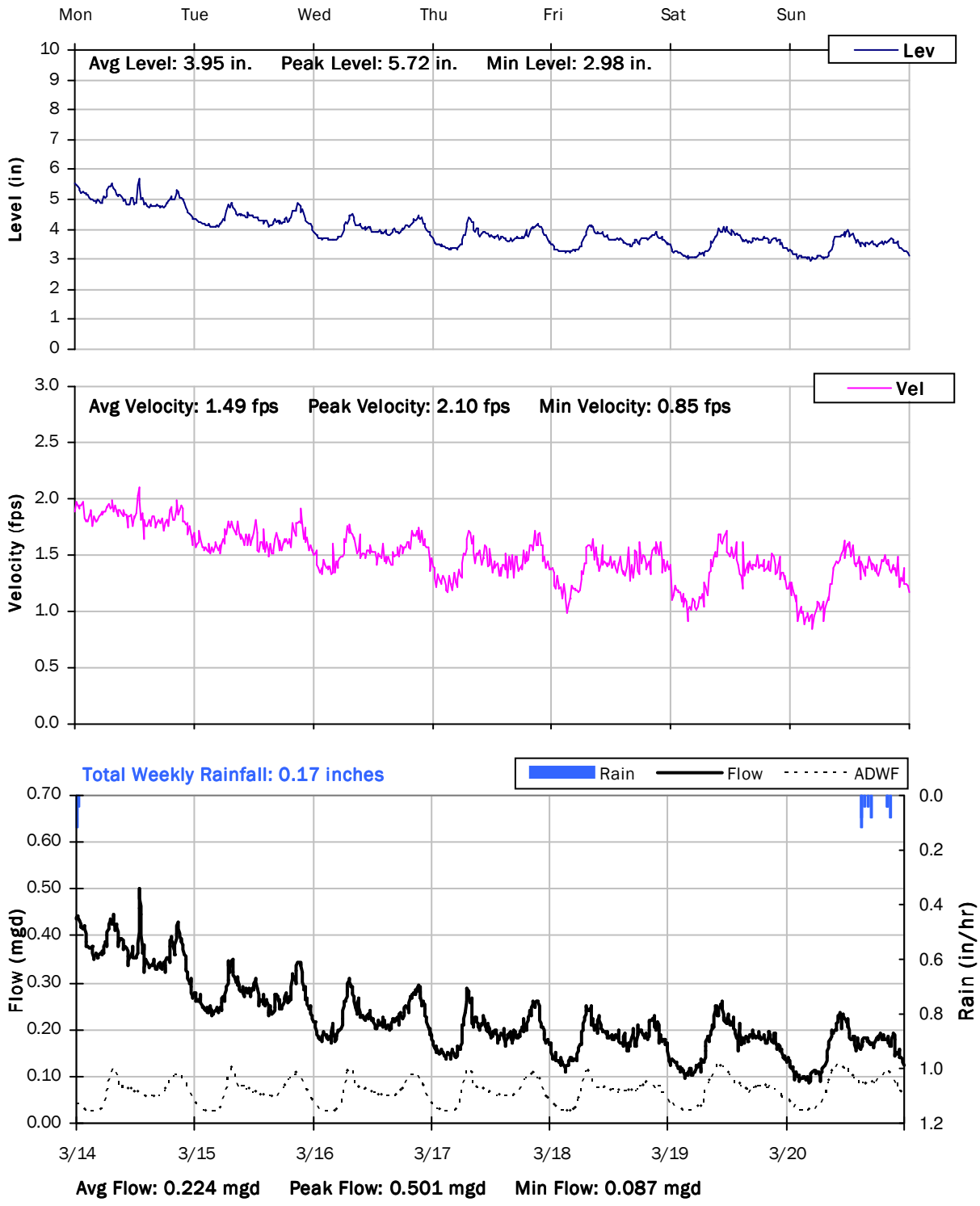
3/7/2016 to 3/14/2016



SITE 5

Weekly Level, Velocity and Flow Hydrographs

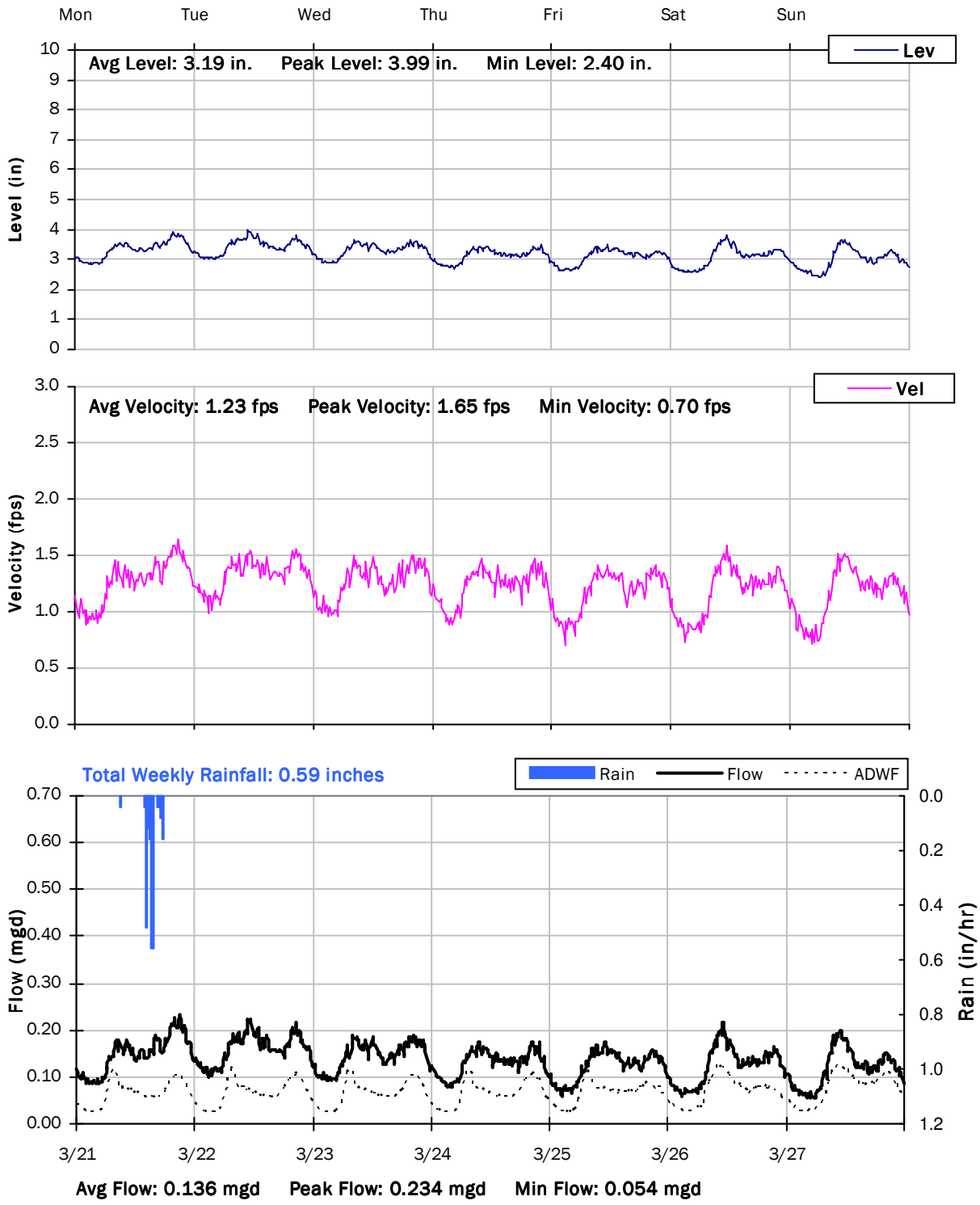
3/14/2016 to 3/21/2016



SITE 5

Weekly Level, Velocity and Flow Hydrographs

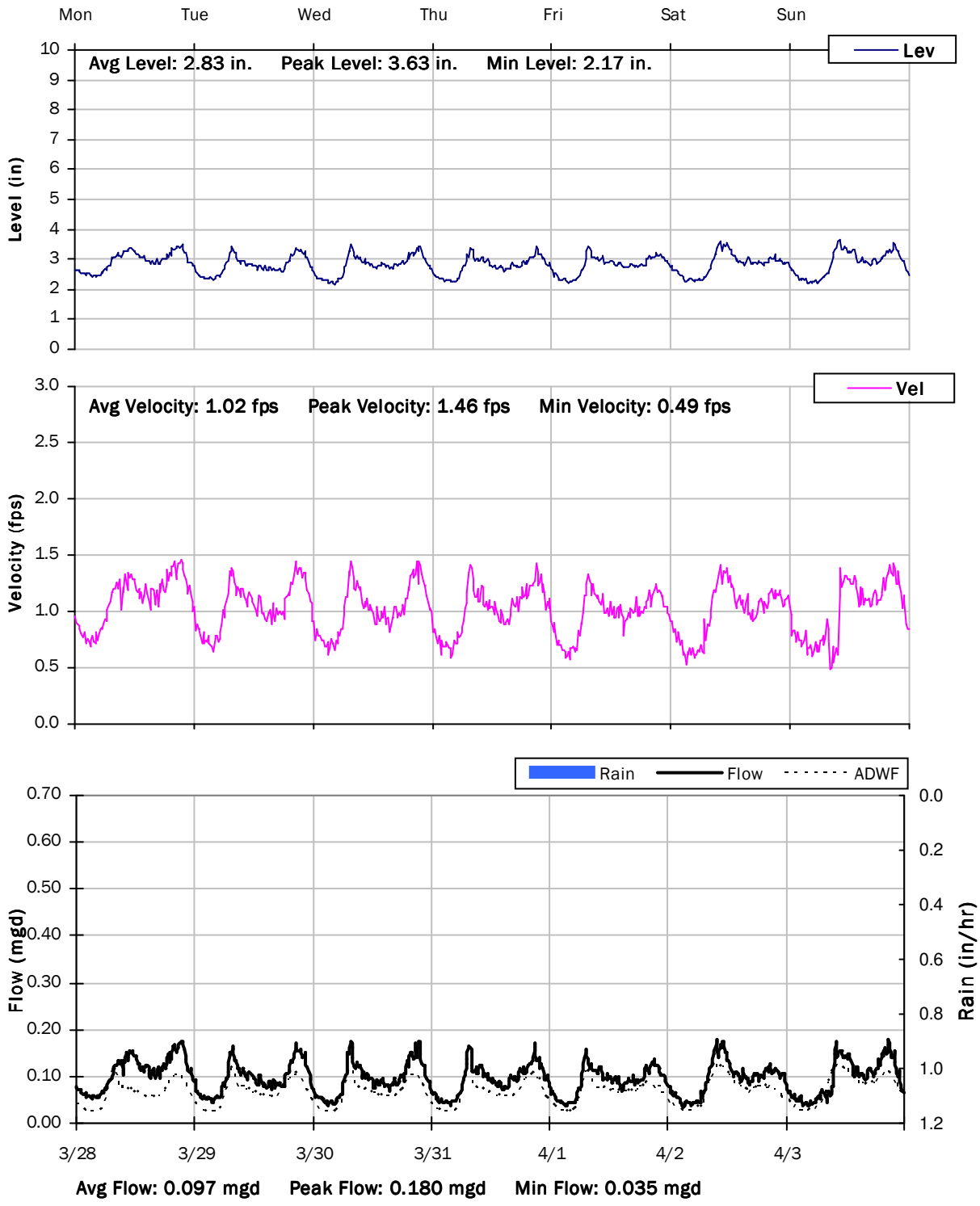
3/21/2016 to 3/28/2016



SITE 5

Weekly Level, Velocity and Flow Hydrographs

3/28/2016 to 4/4/2016



City of Lincoln

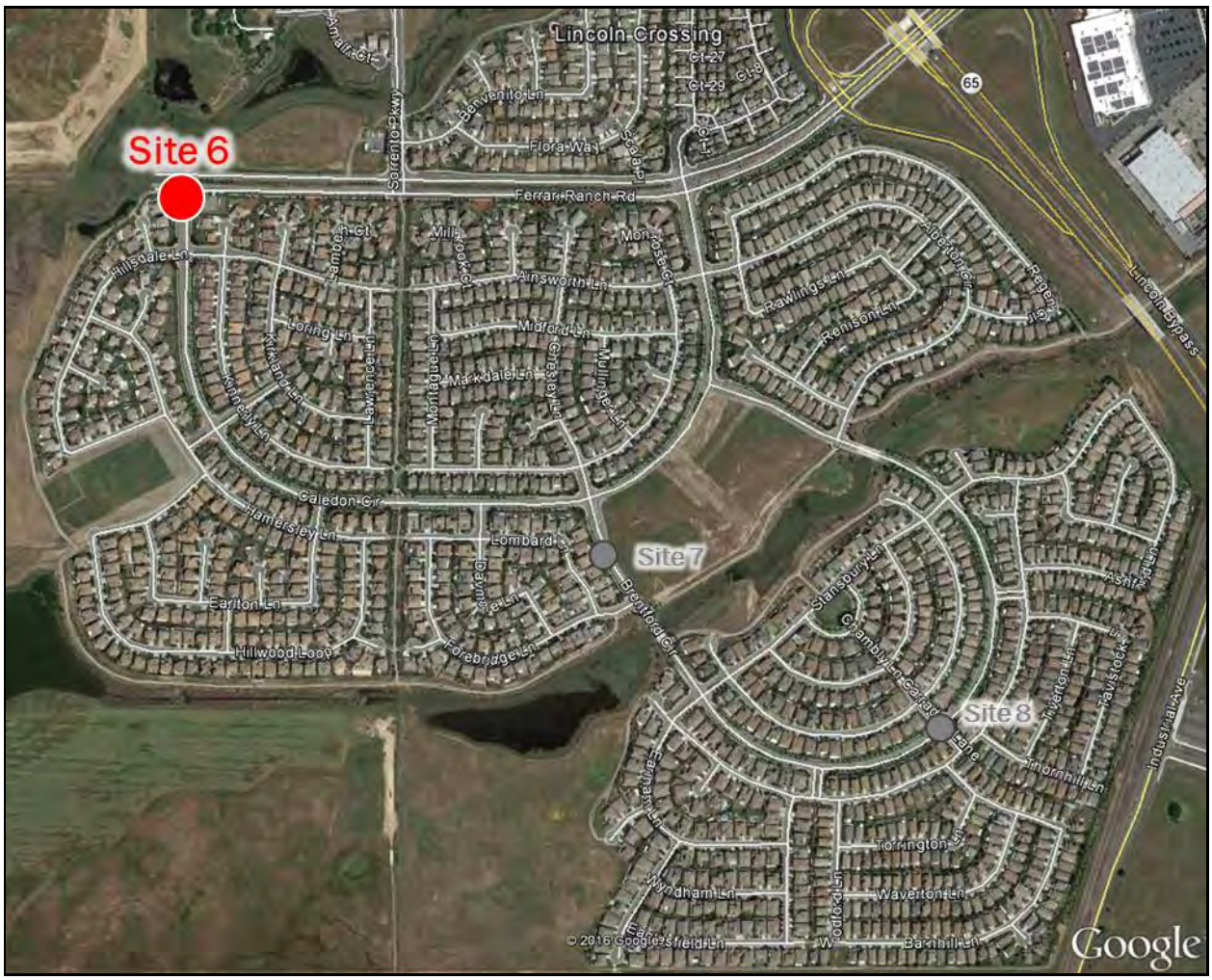
Sanitary Sewer Flow Monitoring

Temporary Monitoring: February 26 to April 3, 2016

Monitoring Site: Site 6

Location: Intersection of Ferrari Ranch Rd and Caledon Cir.

Data Summary Report

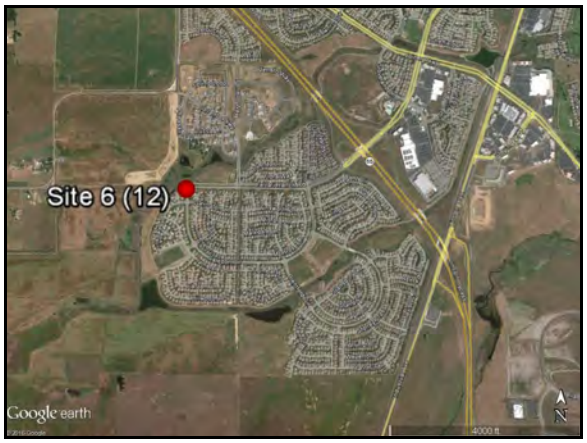


Vicinity Map: Site 6

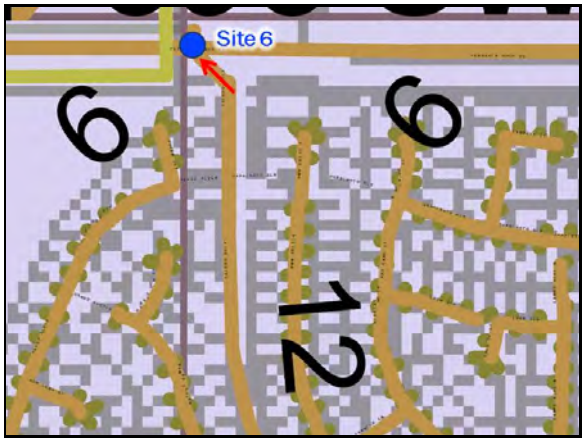
SITE 6

Site Information

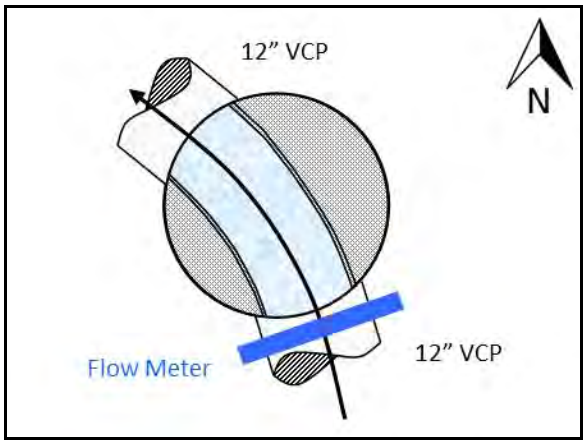
Location:	Intersection of Ferrari Ranch Rd and Caledon Cir.
Coordinates:	121.3208° W, 38.8681° N
Rim Elevation (Earth):	128 feet
Pipe Diameter:	12 inches
ADWF:	0.176 mgd
Peak Measured Flow:	0.546 mgd



Satellite Map

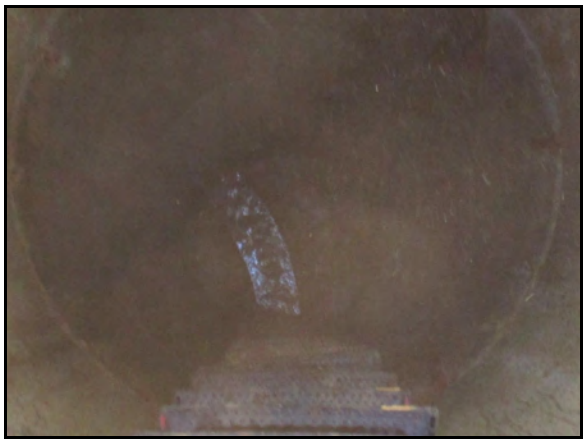


Sanitary Map



Flow Sketch

Street View



Plan View

SITE 6

Additional Site Photos

Influent Pipe

Effluent Pipe

SITE 6

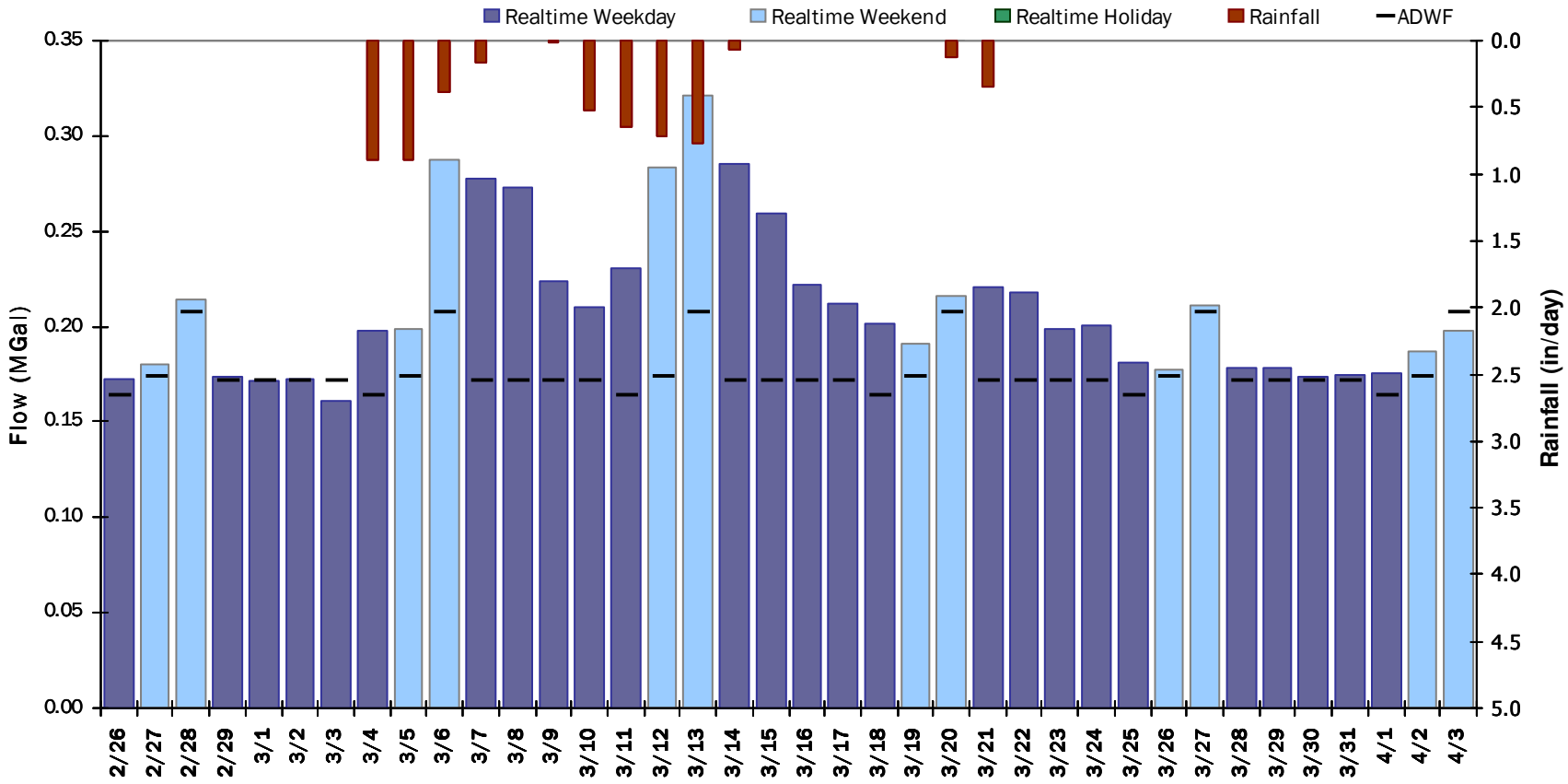
Additional Site Photos

SITE 6

Period Flow Summary: Daily Flow Totals

Avg Period Flow: 0.211 MGal **Peak Daily Flow: 0.321 MGal** **Min Daily Flow: 0.161 MGal**

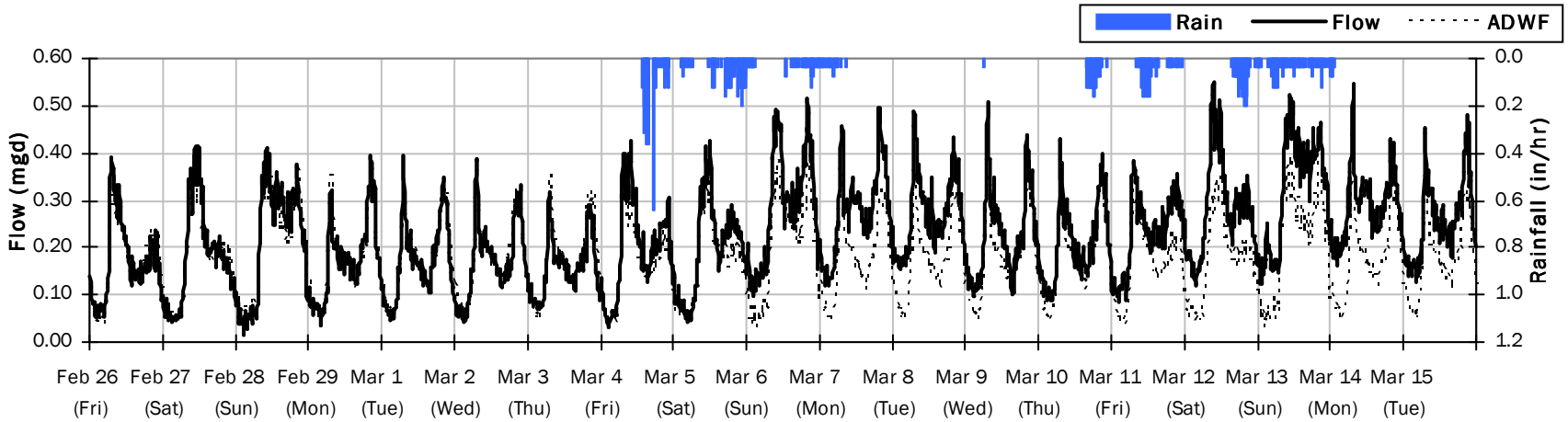
Total Period Rainfall: 5.53 inches

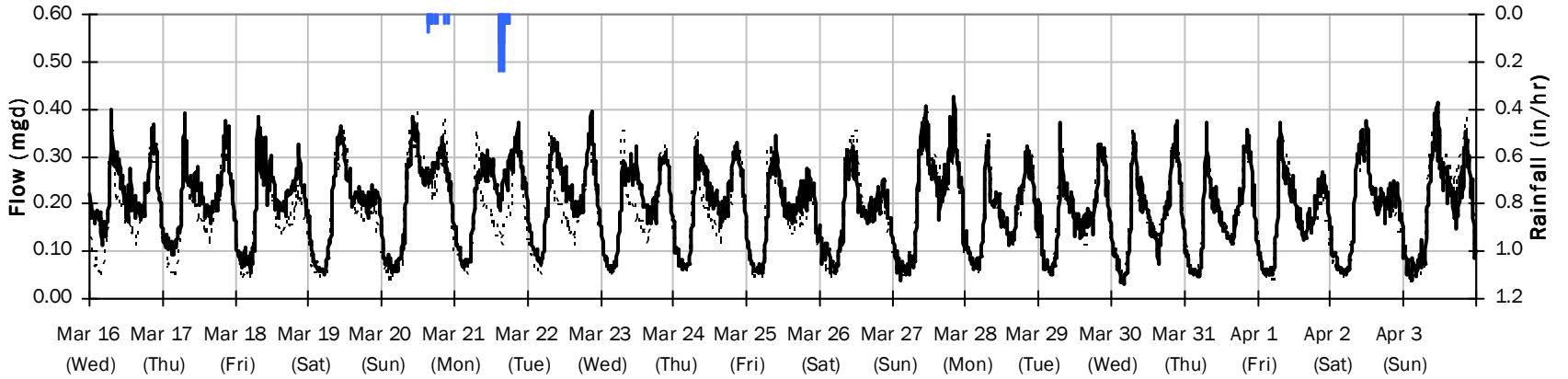


SITE 6

Flow Summary: 2/26/2016 to 4/3/2016

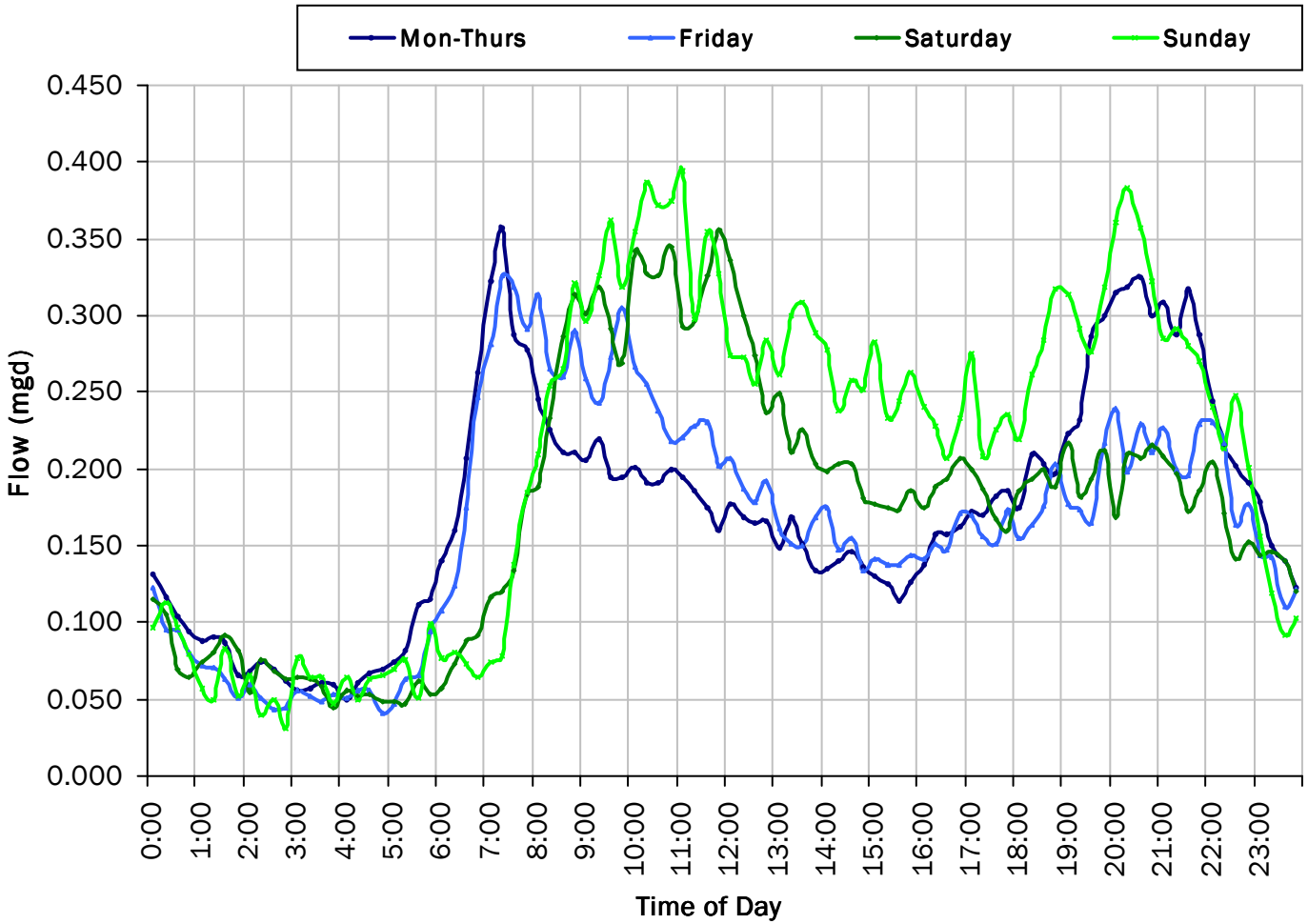
Total Period Rainfall: 5.53 inches **Avg Flow: 0.211 mgd** **Peak Flow: 0.546 mgd** **Min Flow: 0.015 mgd**





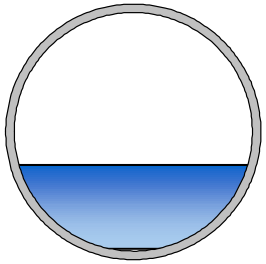
SITE 6

Average Dry Weather Flow Hydrographs



ADWF:

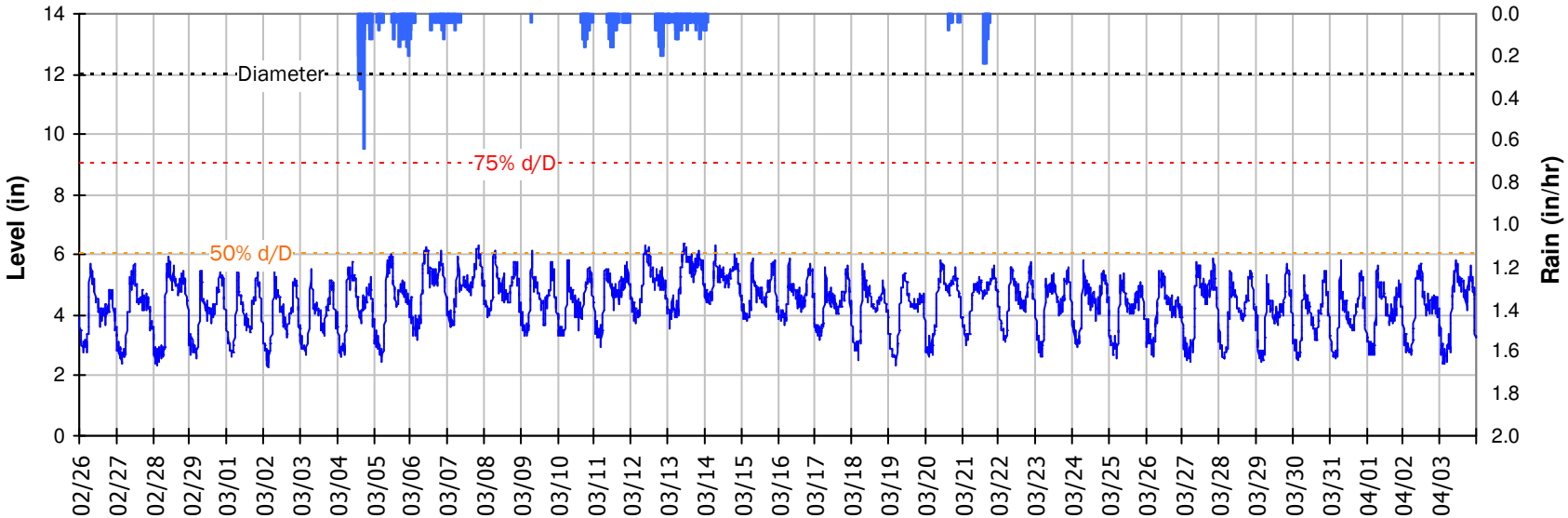
0.176 *mgd*

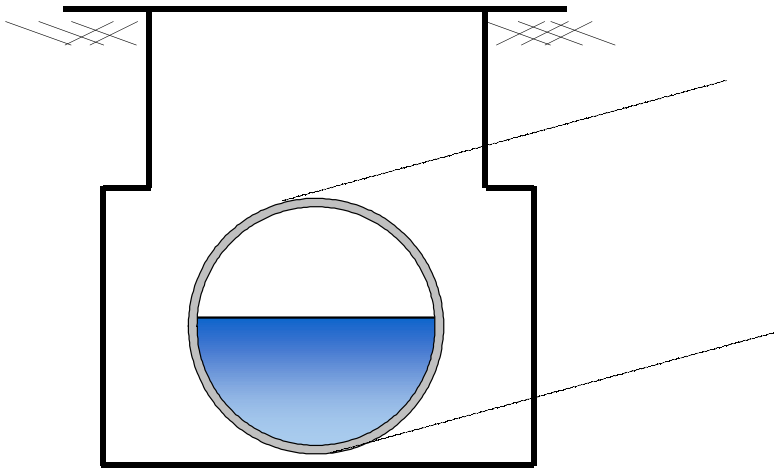


SITE 6

Site Capacity and Surcharge Summary

Realtime Flow Levels with Rainfall Data over Monitoring Period

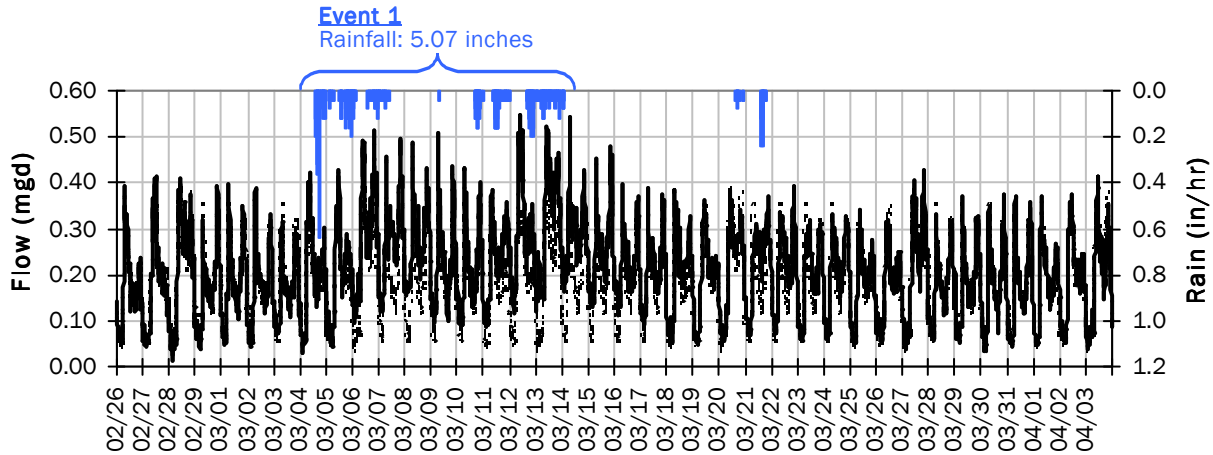




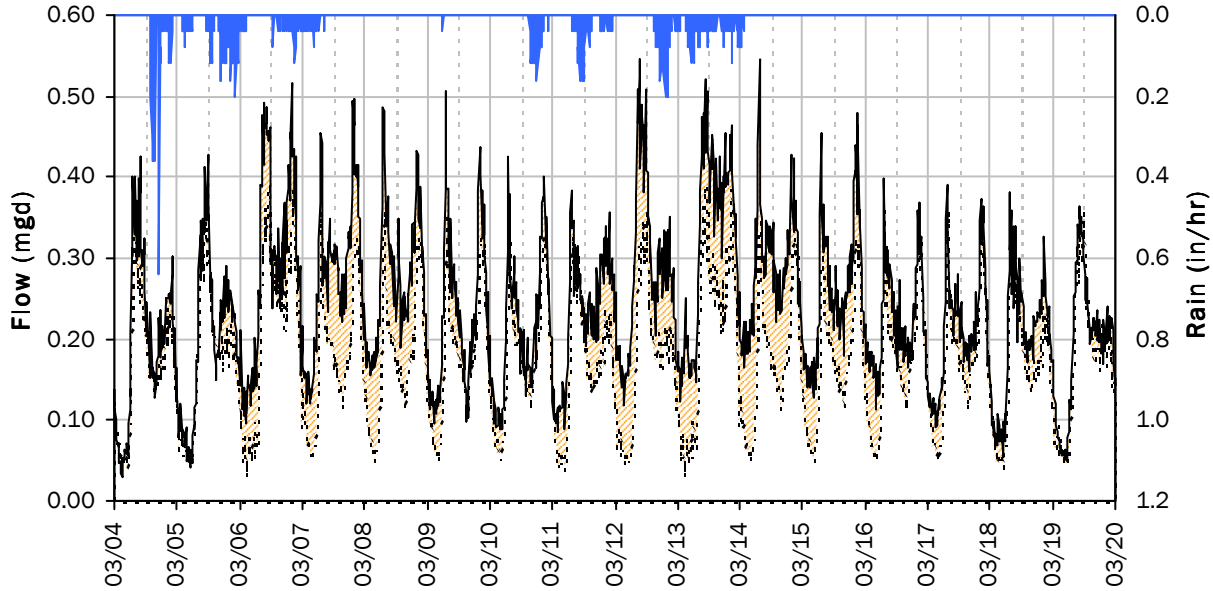
Pipe Diameter:	12	*inches*
Peak Measured Level:	6.4	*inches*
Peak d/D Ratio:	0.53	

SITE 6
I/I Summary: Event 1

Baseline and Realtime Flows with Rainfall Data over Monitoring Period



Event 1 Detail Graph



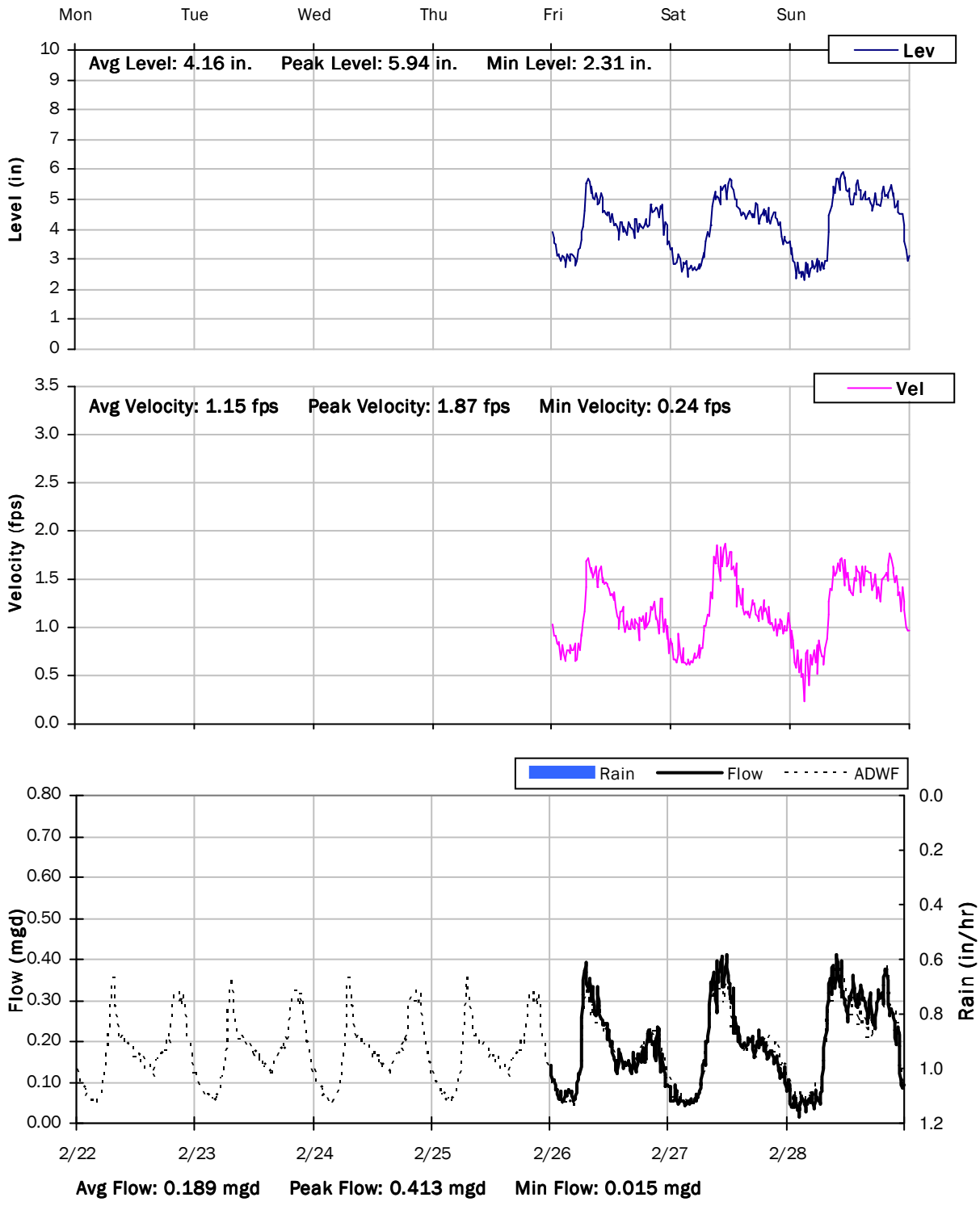
Storm Event I/I Analysis (Rain = 5.07 inches)

Capacity		Inflow / Infiltration	
Peak Flow:	0.55 *mgd*	**Peak I/I Rate:**	0.25 *mgd*
PF:	3.10	**Total I/I:**	1,050,000 *gallons*
Peak Level:	6.40 *in*		
d/D Ratio:	0.53		

SITE 6

Weekly Level, Velocity and Flow Hydrographs

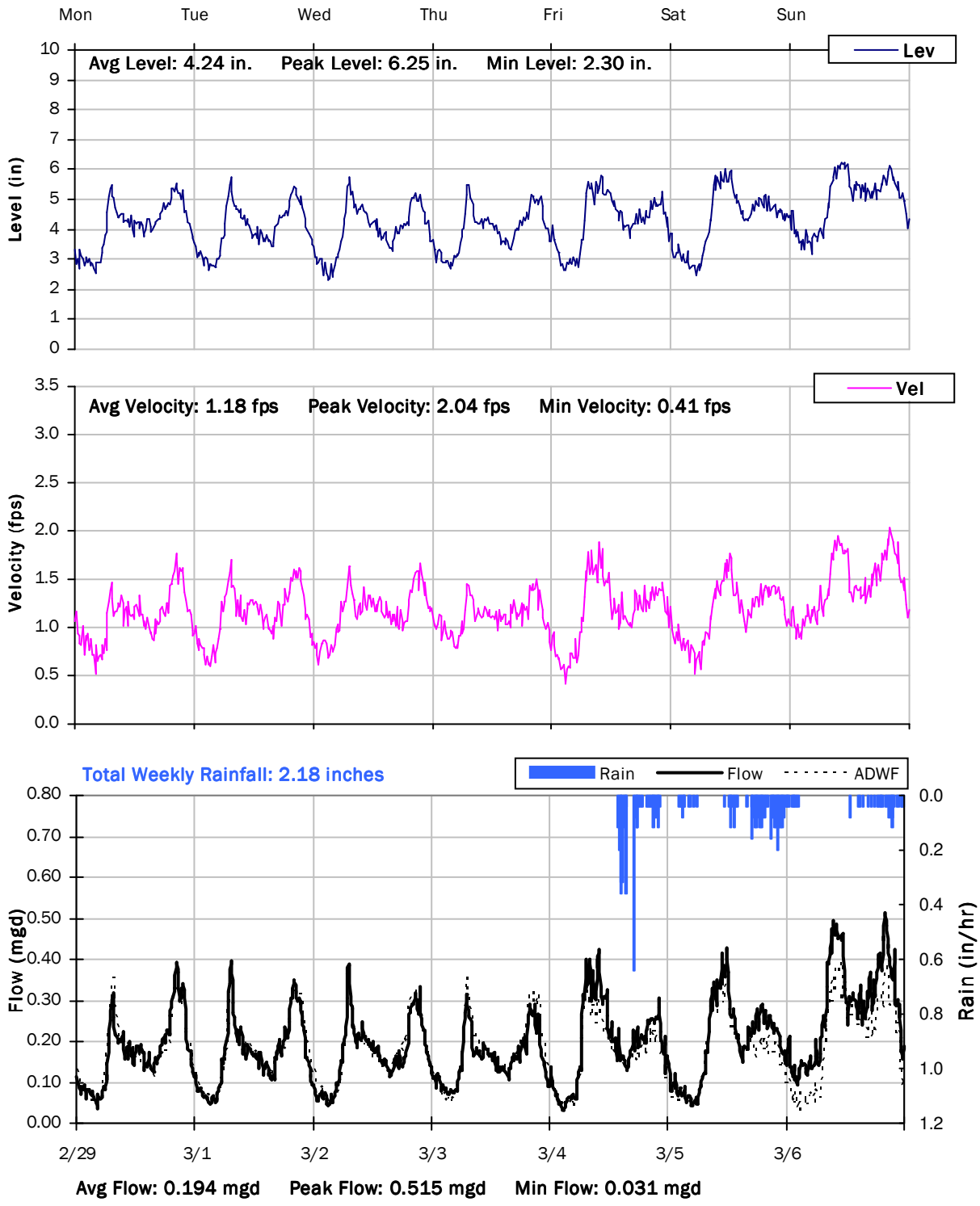
2/22/2016 to 2/29/2016



SITE 6

Weekly Level, Velocity and Flow Hydrographs

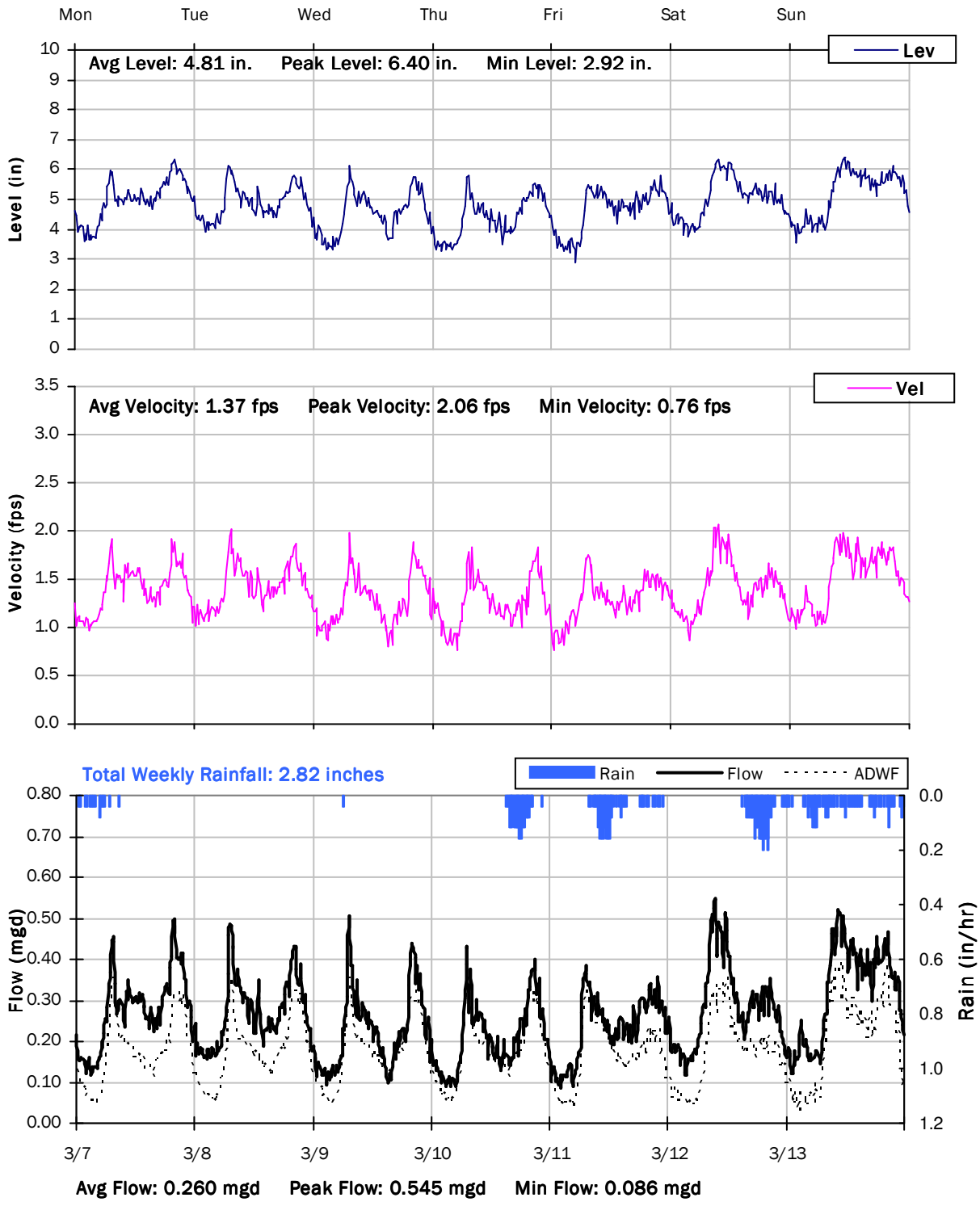
2/29/2016 to 3/7/2016



SITE 6

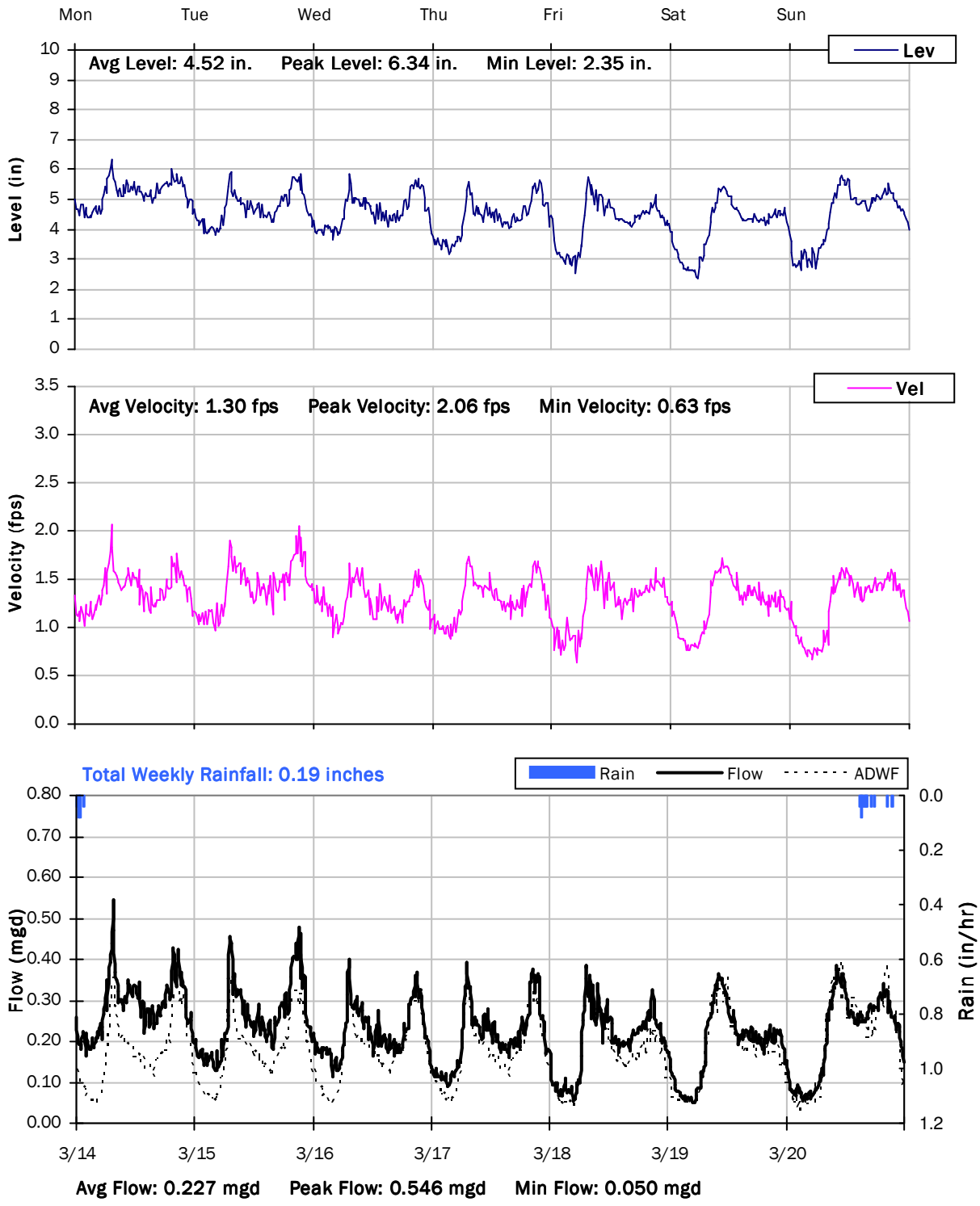
Weekly Level, Velocity and Flow Hydrographs

3/7/2016 to 3/14/2016



SITE 6

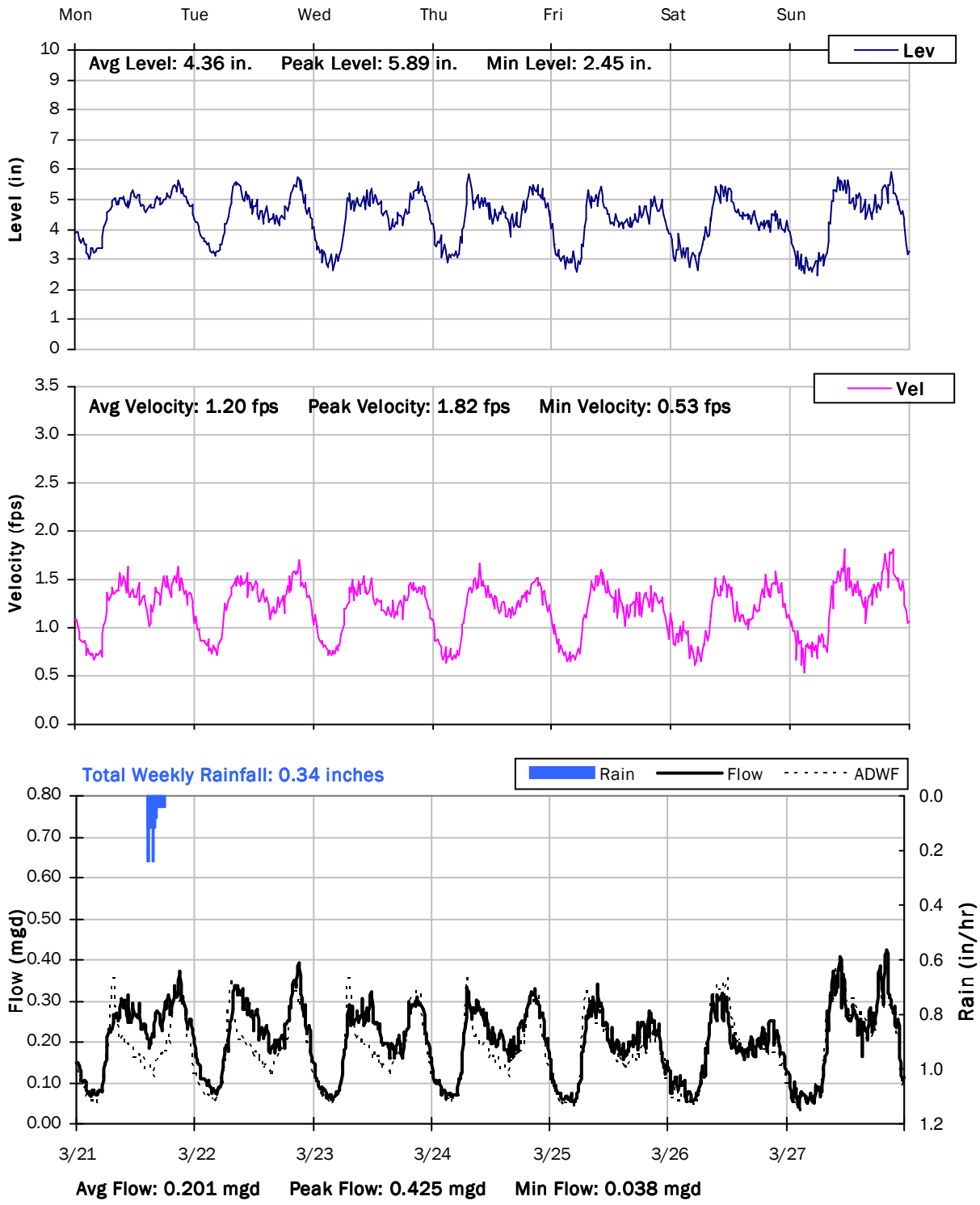
Weekly Level, Velocity and Flow Hydrographs
3/14/2016 to 3/21/2016



SITE 6

Weekly Level, Velocity and Flow Hydrographs

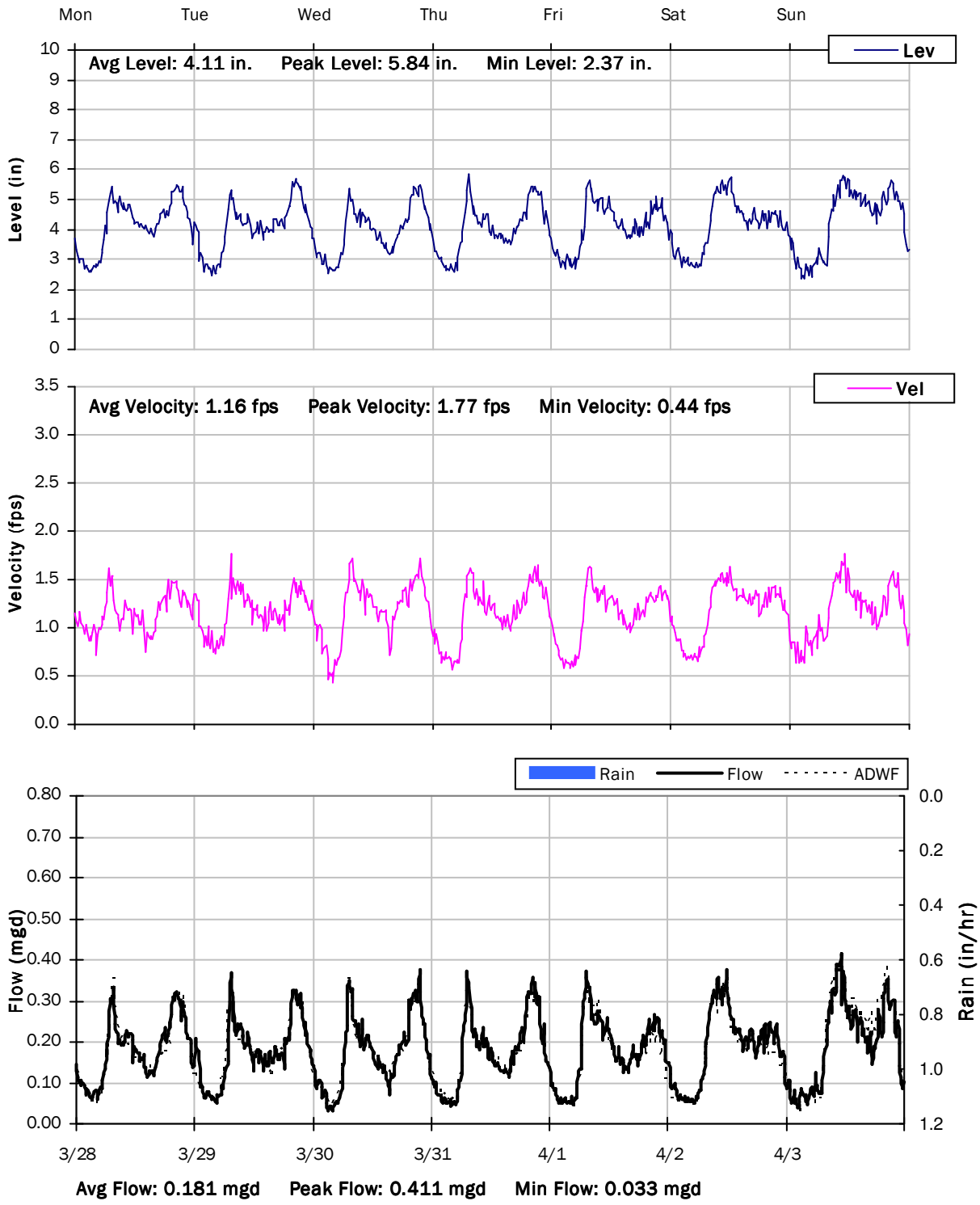
3/21/2016 to 3/28/2016



SITE 6

Weekly Level, Velocity and Flow Hydrographs

3/28/2016 to 4/4/2016



City of Lincoln

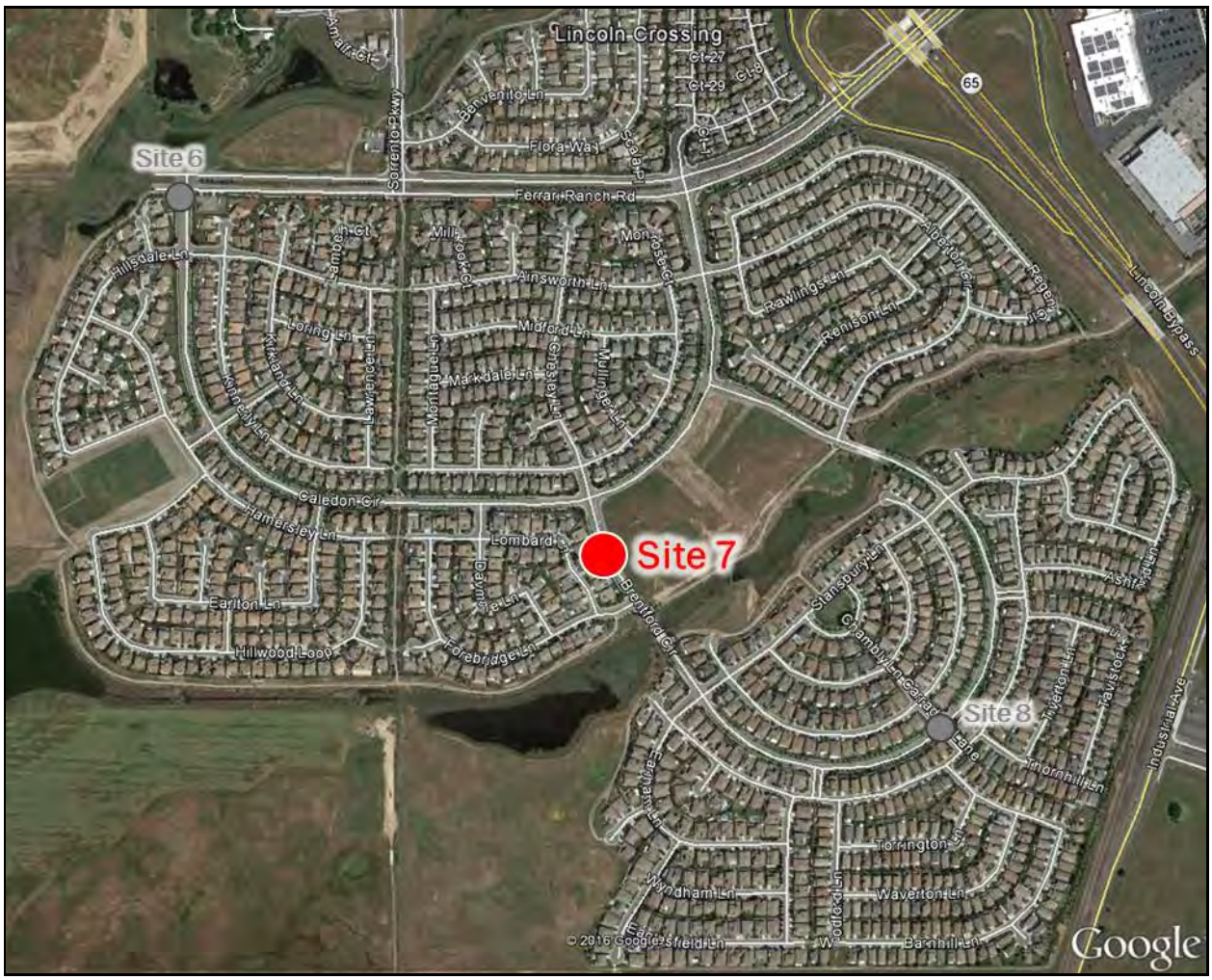
Sanitary Sewer Flow Monitoring

Temporary Monitoring: February 26 to April 3, 2016

Monitoring Site: Site 7

Location: Brentford Cir. 300 ft south of Caledon Cir.

Data Summary Report



Vicinity Map: Site 7

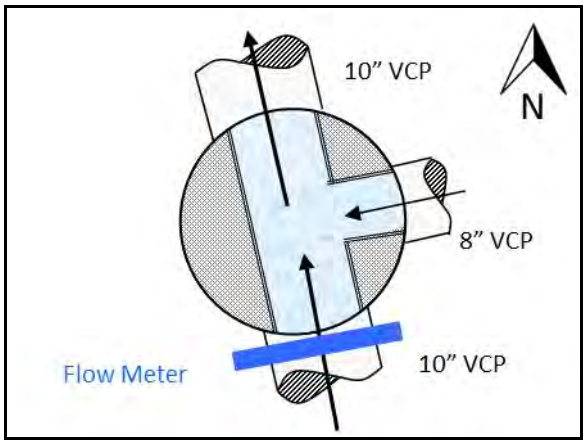
SITE 7

Site Information

Location:	Brentford Cir. 300 ft south of Caledon Cir.
Coordinates:	121.3132° W, 38.8630° N
Rim Elevation (Earth):	127 feet
Pipe Diameter:	10 inches
ADWF:	0.087 mgd
Peak Measured Flow:	0.321 mgd

Satellite Map

Sanitary Map



Flow Sketch

Street View

Plan View

SITE 7

Additional Site Photos

Influent Pipe

Effluent Pipe

SITE 7

Additional Site Photos

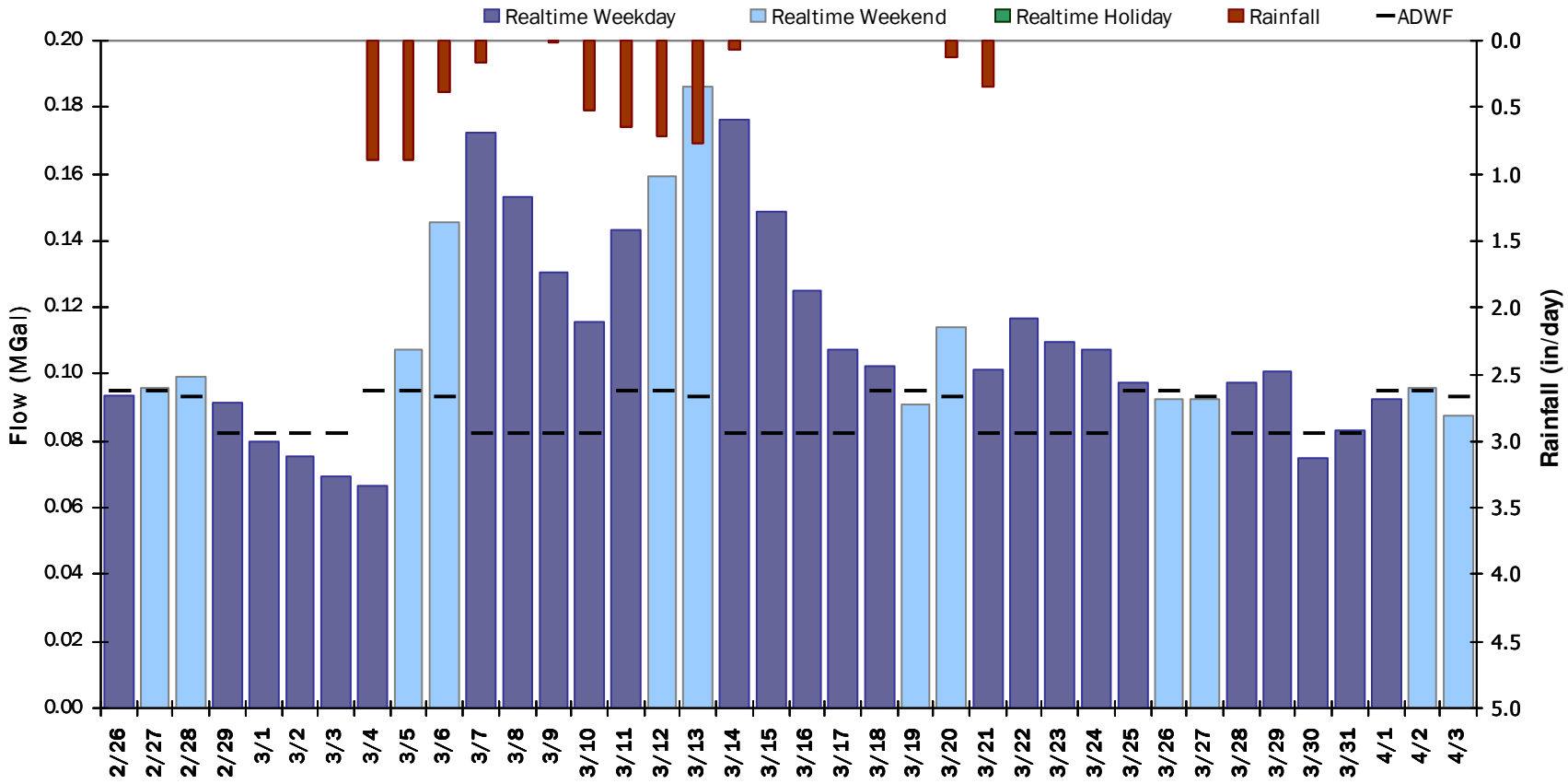
East Lateral

SITE 7

Period Flow Summary: Daily Flow Totals

Avg Period Flow: 0.111 MGal **Peak Daily Flow: 0.186 MGal** **Min Daily Flow: 0.067 MGal**

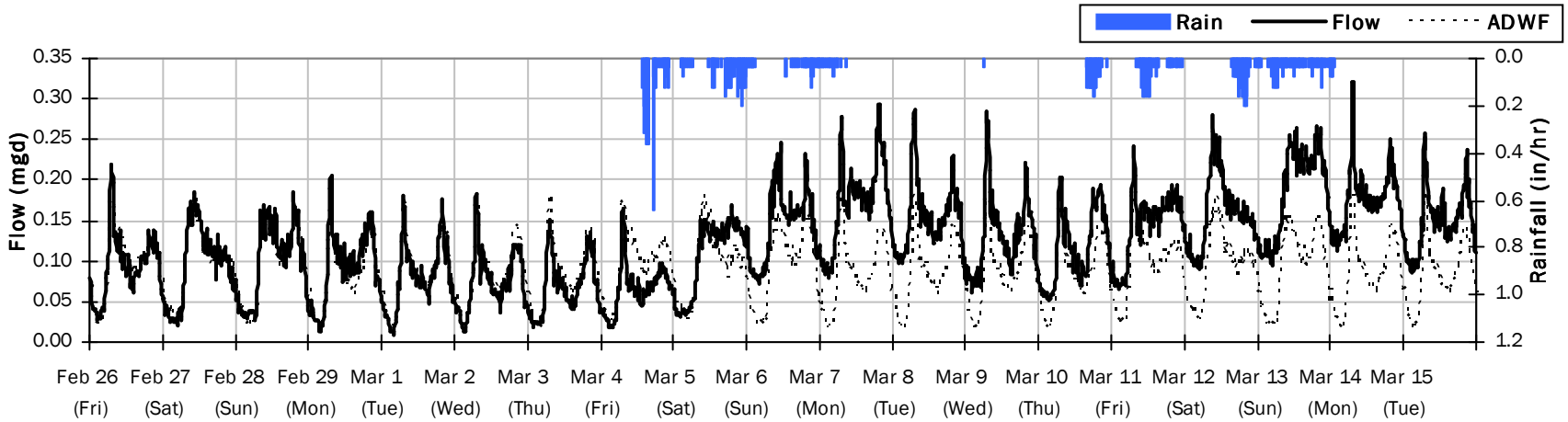
Total Period Rainfall: 5.53 inches

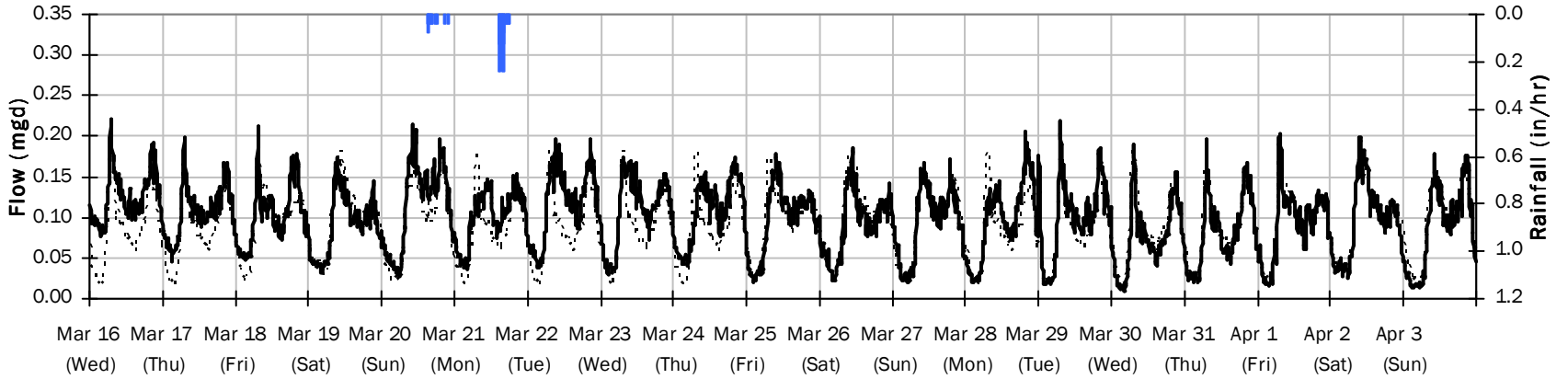


SITE 7

Flow Summary: 2/26/2016 to 4/3/2016

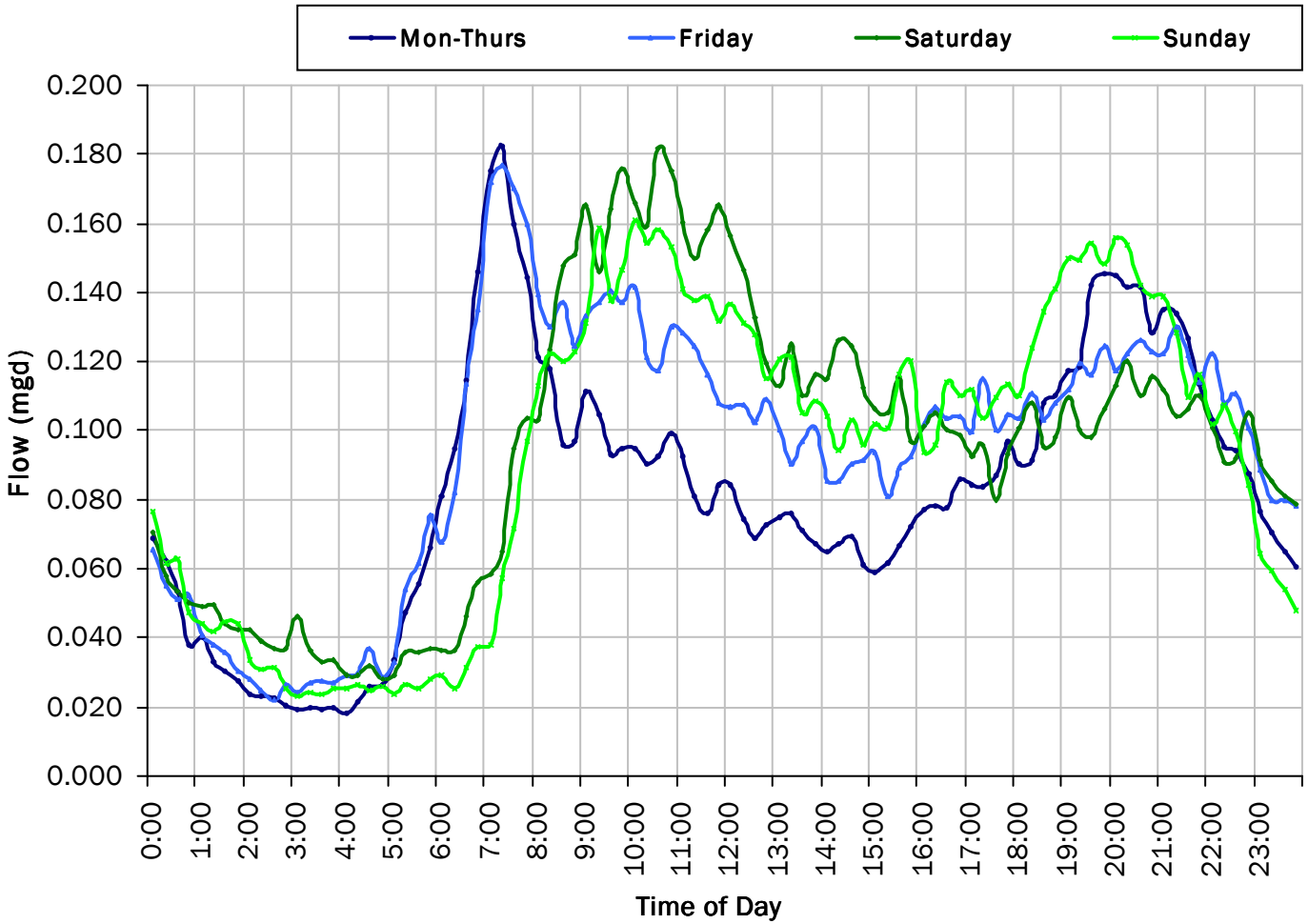
Total Period Rainfall: 5.53 inches **Avg Flow: 0.111 mgd** **Peak Flow: 0.321 mgd** **Min Flow: 0.009 mgd**





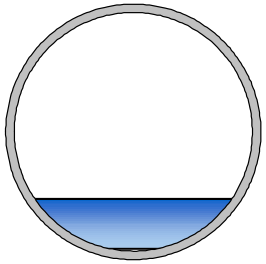
SITE 7

Average Dry Weather Flow Hydrographs



ADWF:

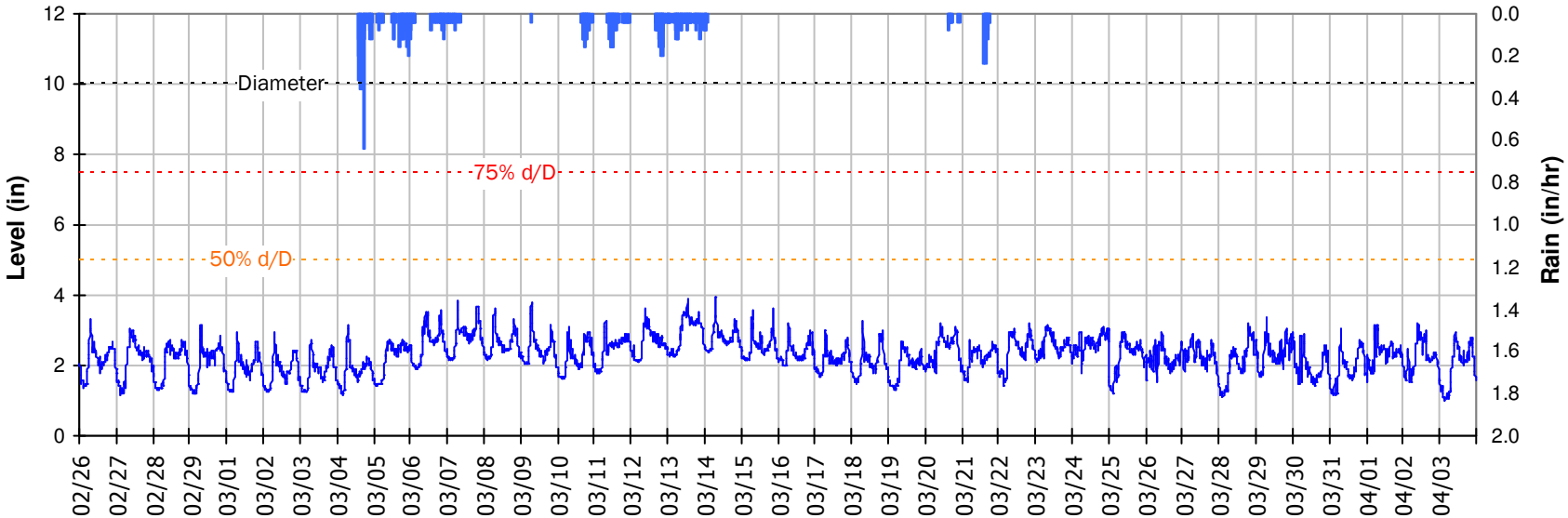
0.087 *mgd*

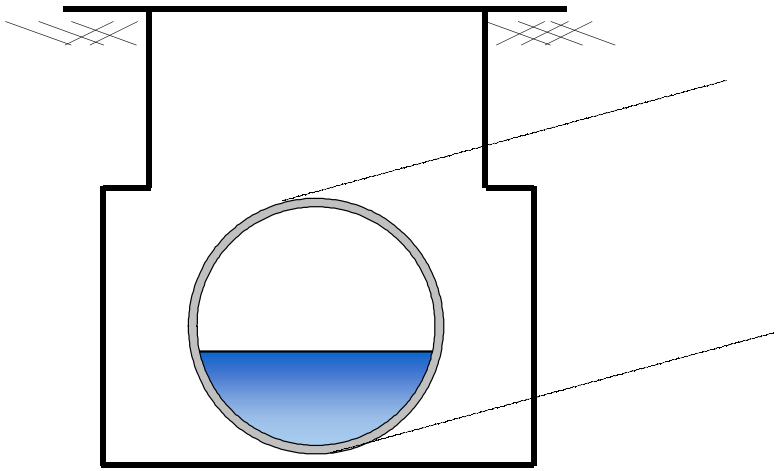


SITE 7

Site Capacity and Surcharge Summary

Realtime Flow Levels with Rainfall Data over Monitoring Period

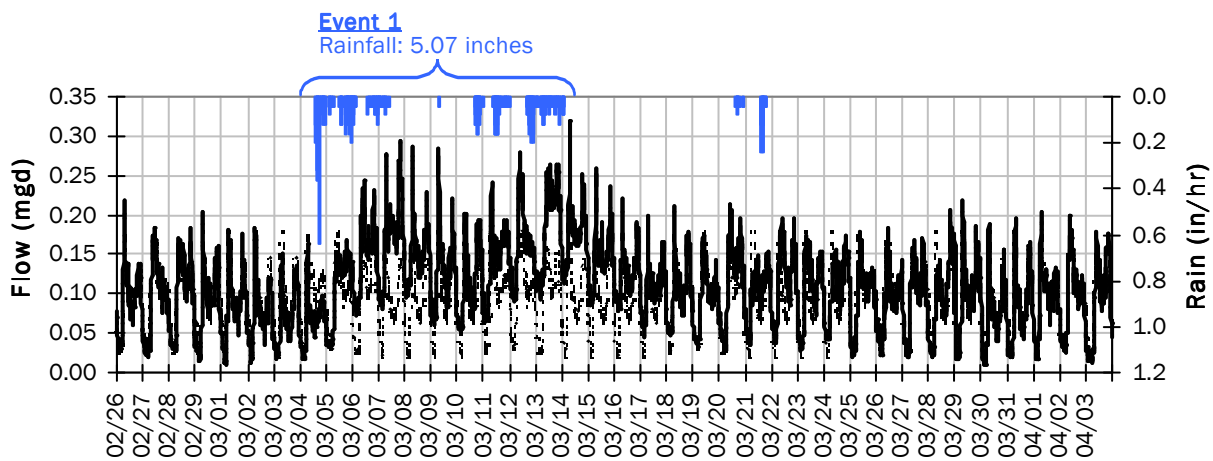




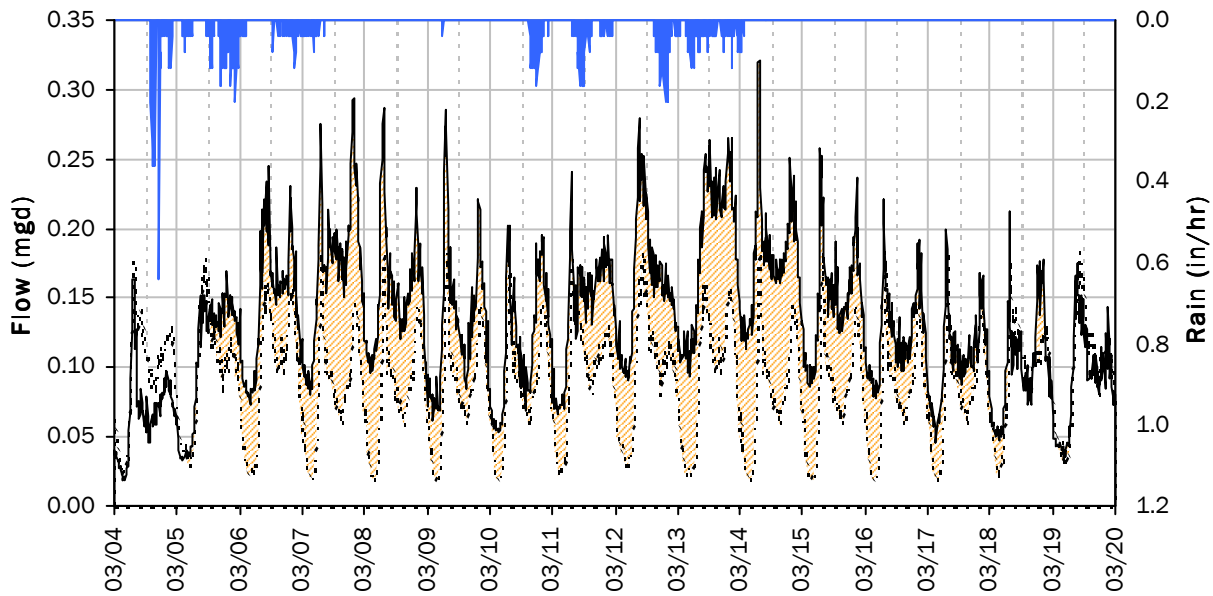
Pipe Diameter:	10	*inches*
Peak Measured Level:	3.96	*inches*
Peak d/D Ratio:	0.40	

SITE 7
I/I Summary: Event 1

Baseline and Realtime Flows with Rainfall Data over Monitoring Period



Event 1 Detail Graph



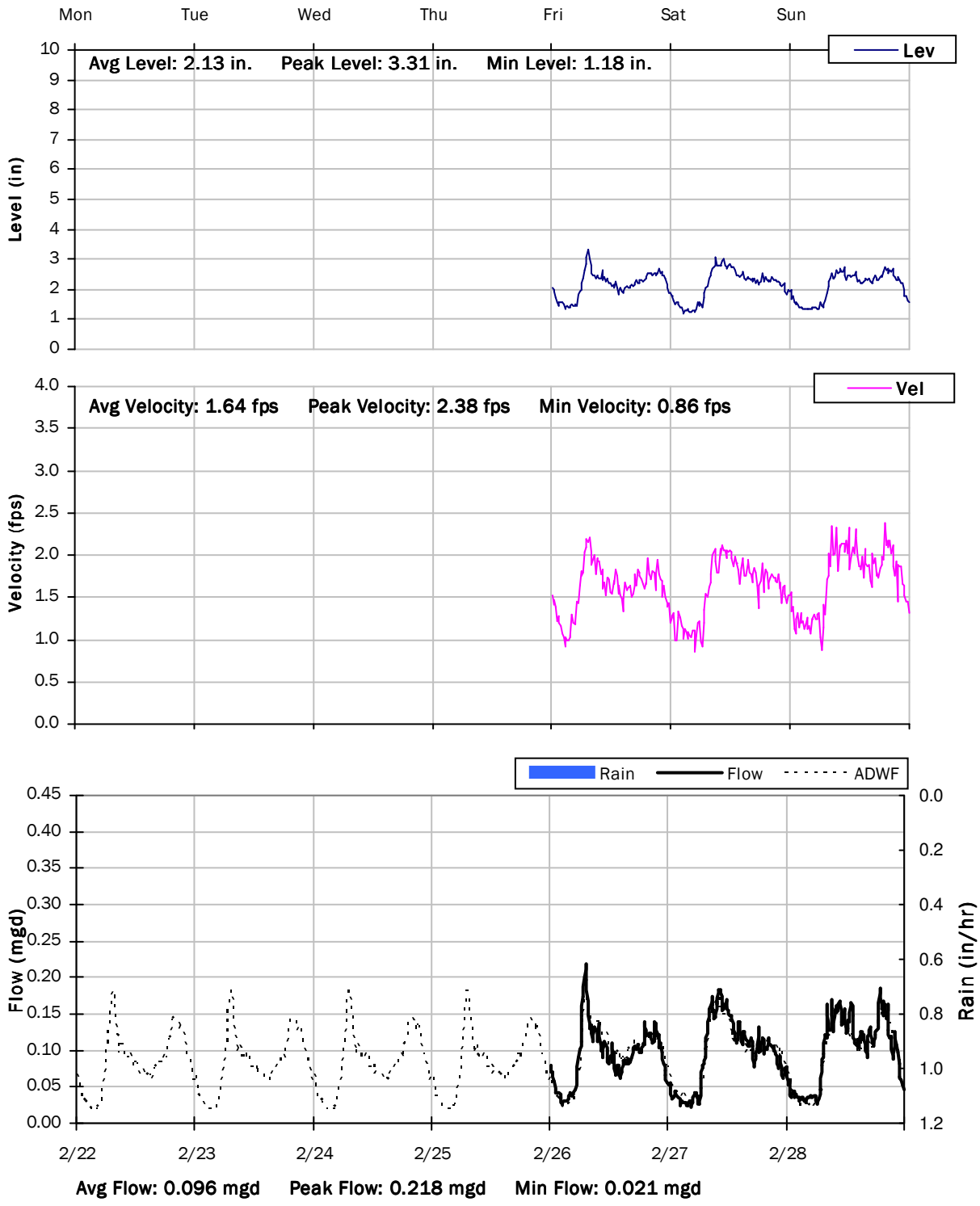
Storm Event I/I Analysis (Rain = 5.07 inches)

Capacity		Inflow / Infiltration	
Peak Flow:	0.32 *mgd*	**Peak I/I Rate:**	0.15 *mgd*
PF:	3.68	**Total I/I:**	734,000 *gallons*
Peak Level:	3.96 *in*		
d/D Ratio:	0.40		

SITE 7

Weekly Level, Velocity and Flow Hydrographs

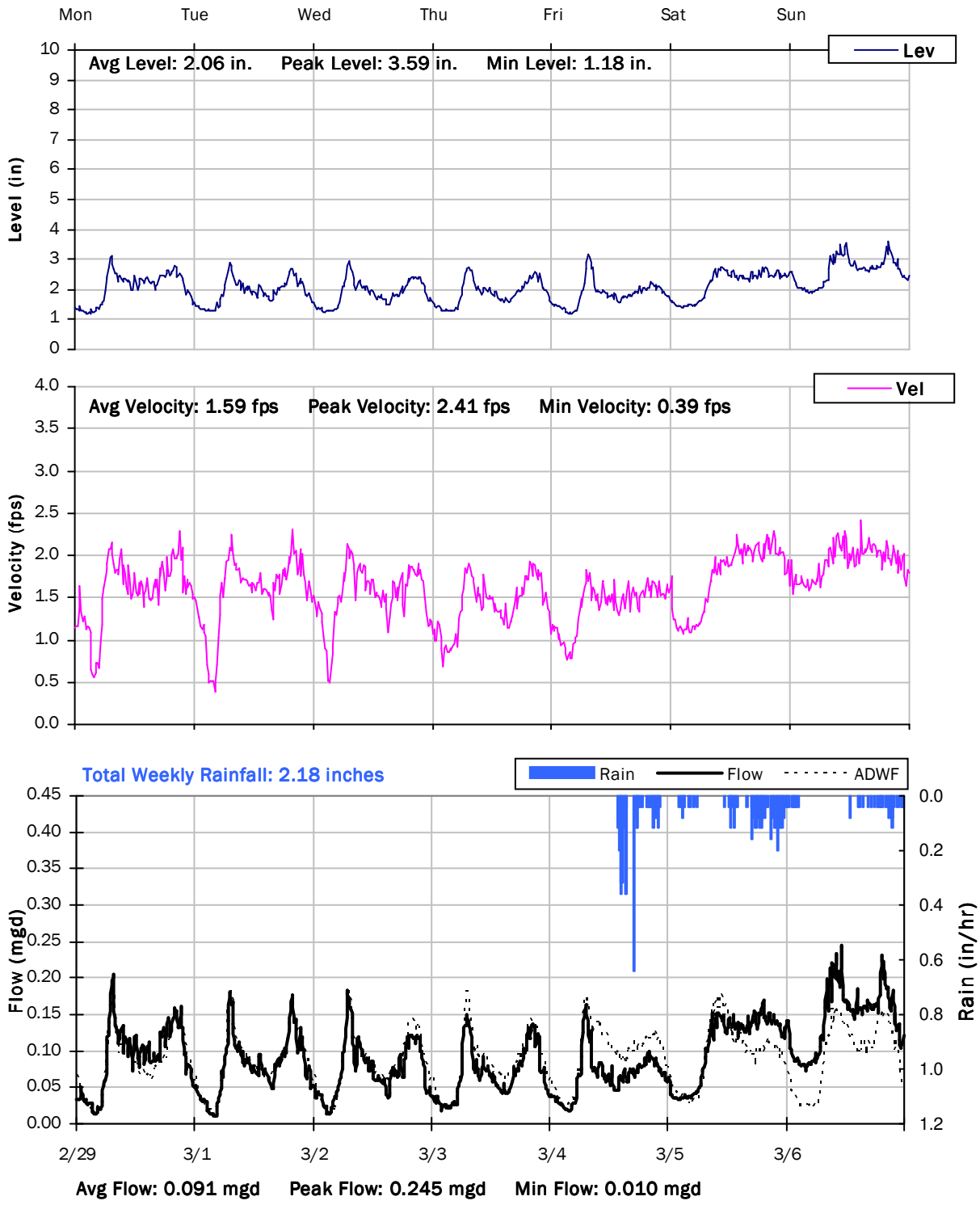
2/22/2016 to 2/29/2016



SITE 7

Weekly Level, Velocity and Flow Hydrographs

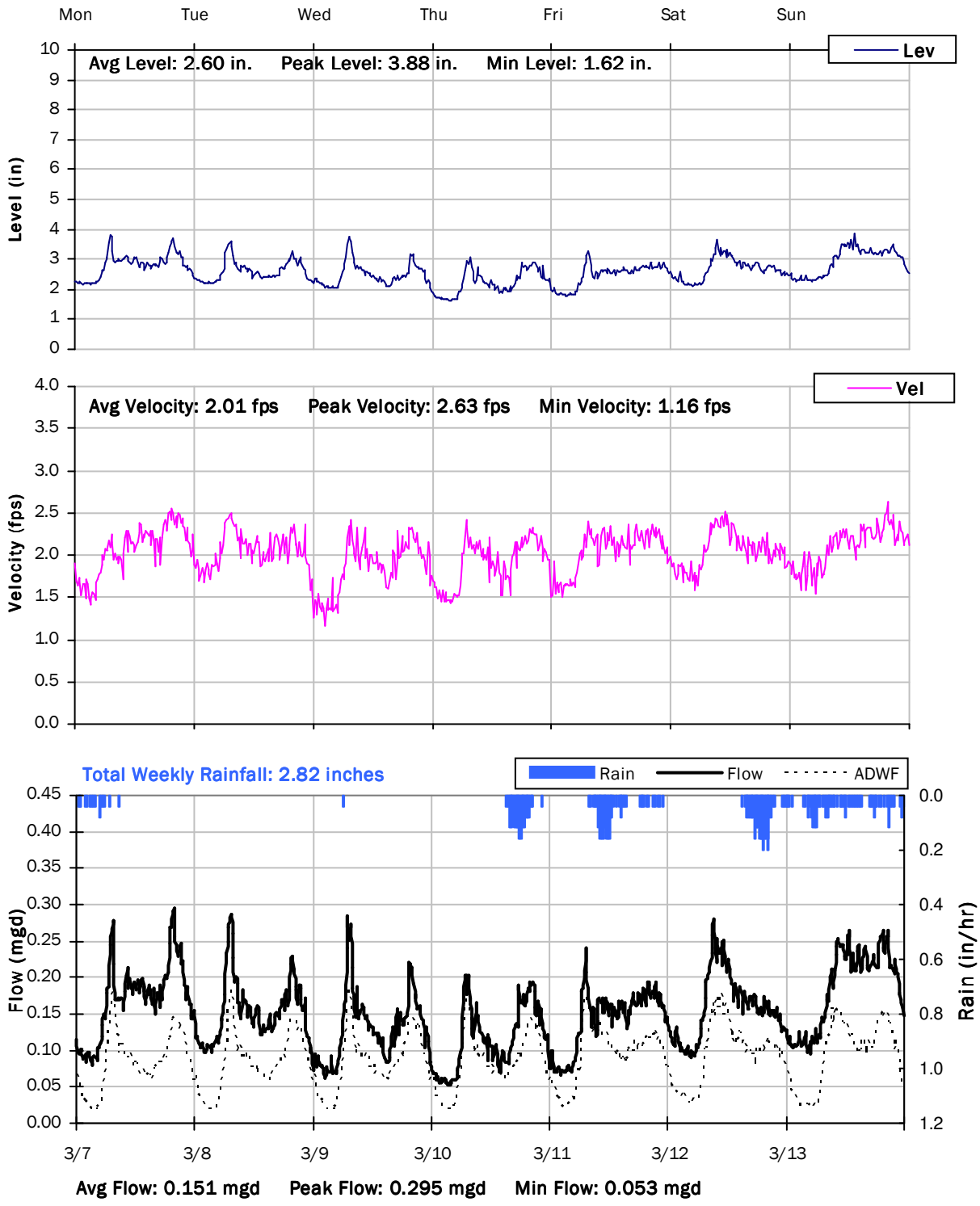
2/29/2016 to 3/7/2016



SITE 7

Weekly Level, Velocity and Flow Hydrographs

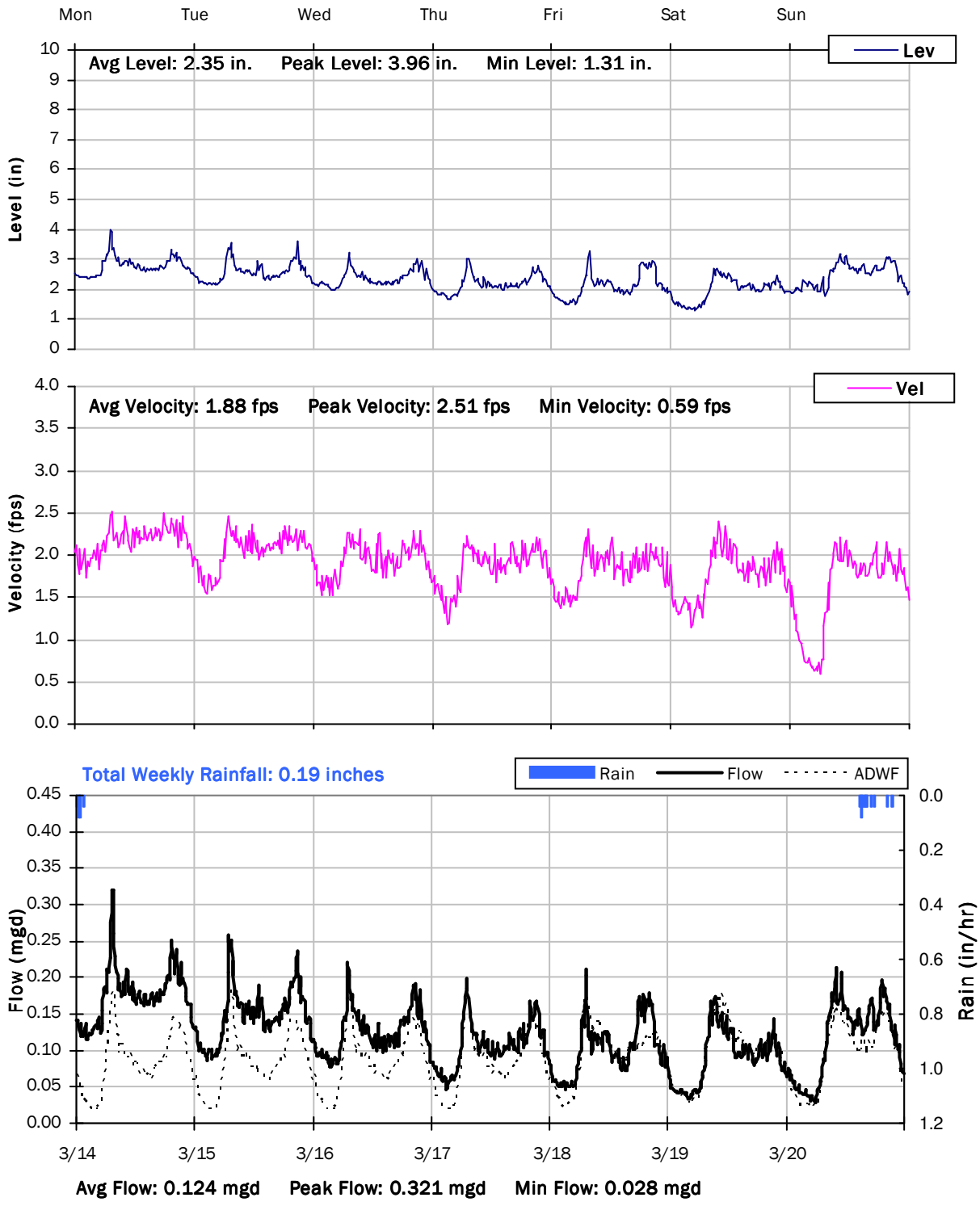
3/7/2016 to 3/14/2016



SITE 7

Weekly Level, Velocity and Flow Hydrographs

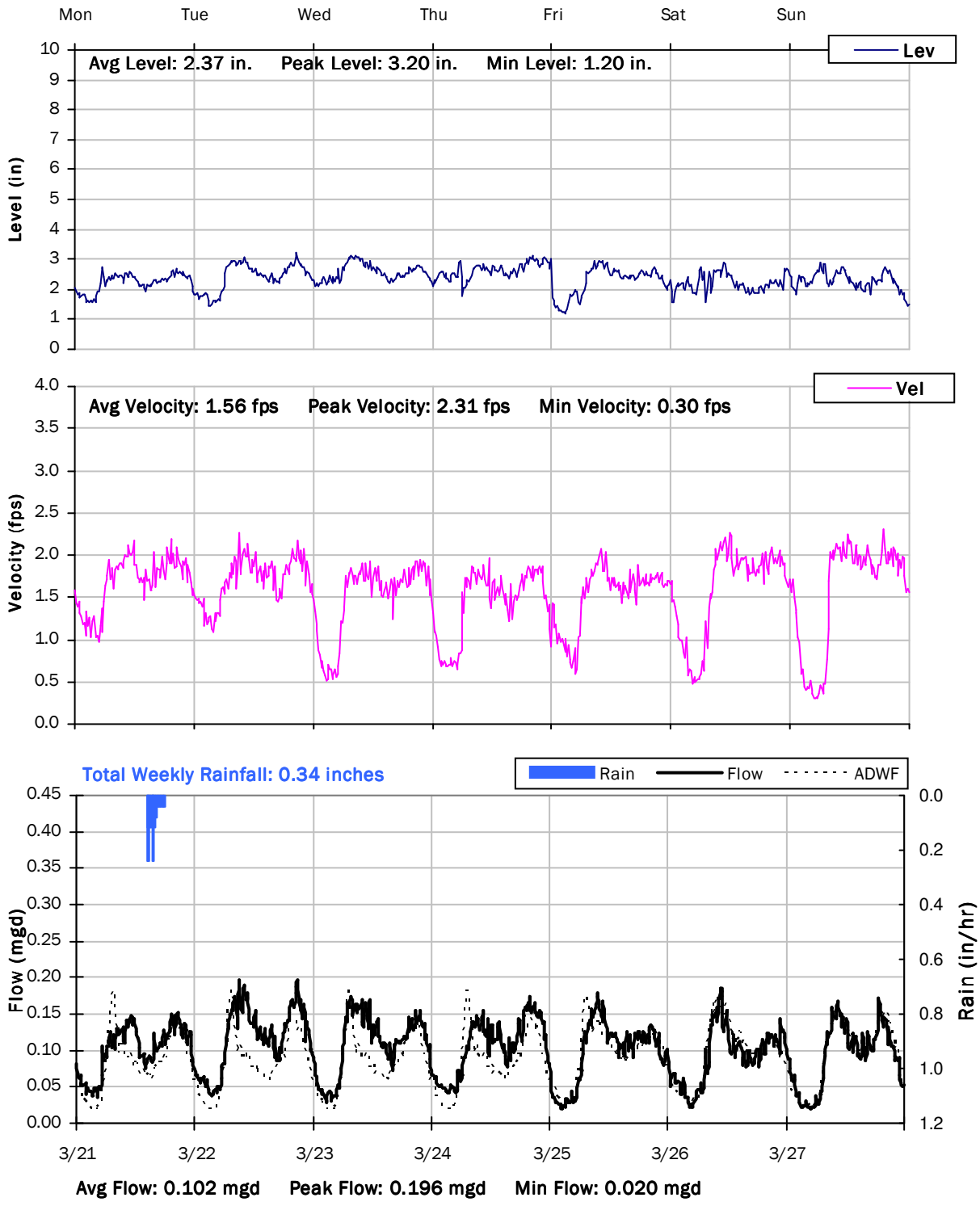
3/14/2016 to 3/21/2016



SITE 7

Weekly Level, Velocity and Flow Hydrographs

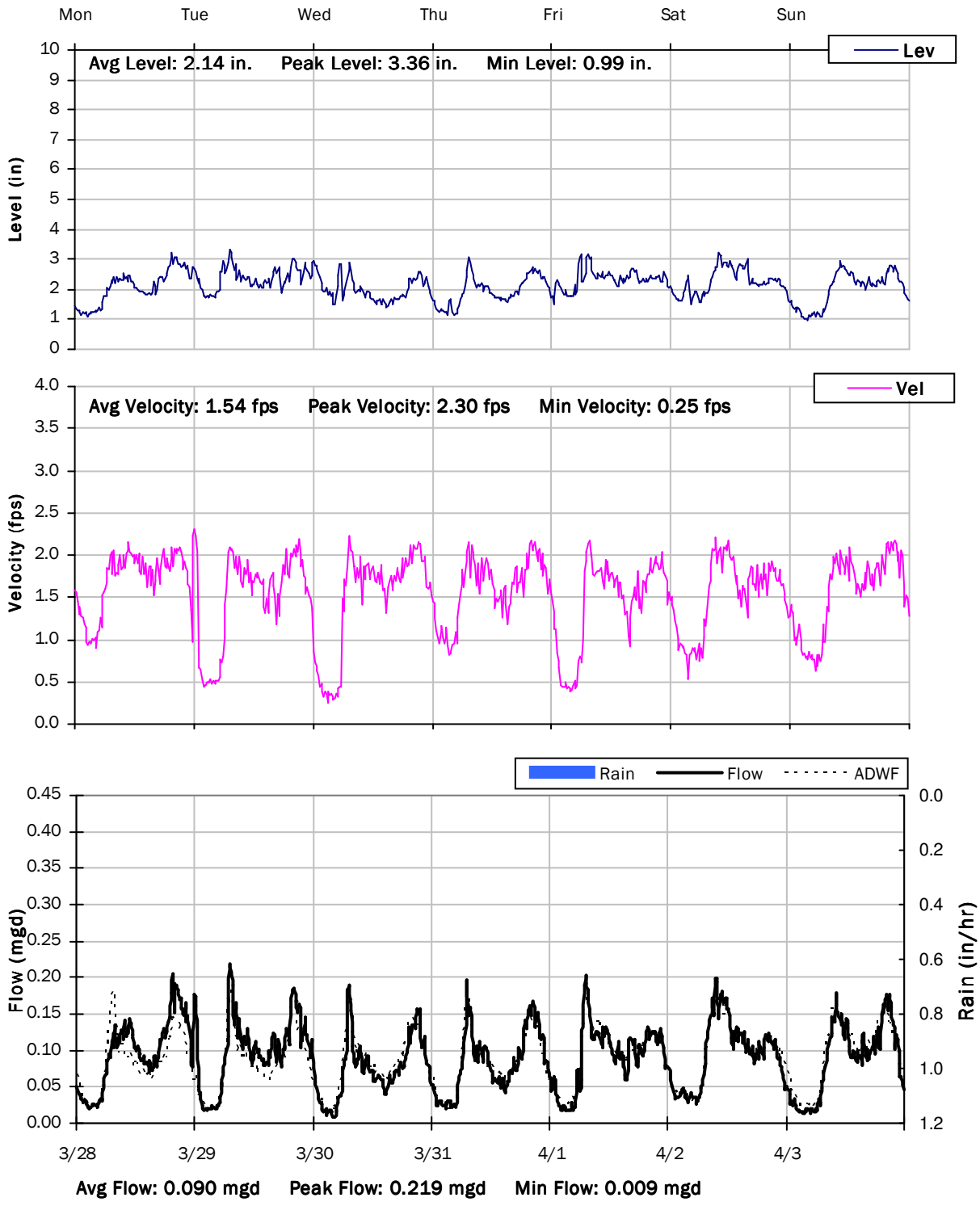
3/21/2016 to 3/28/2016



SITE 7

Weekly Level, Velocity and Flow Hydrographs

3/28/2016 to 4/4/2016



City of Lincoln

Sanitary Sewer Flow Monitoring

Temporary Monitoring: February 26 to April 3, 2016

Monitoring Site: Site 8

Location: Intersection of Brentford Cir and Caradale Ln

Data Summary Report

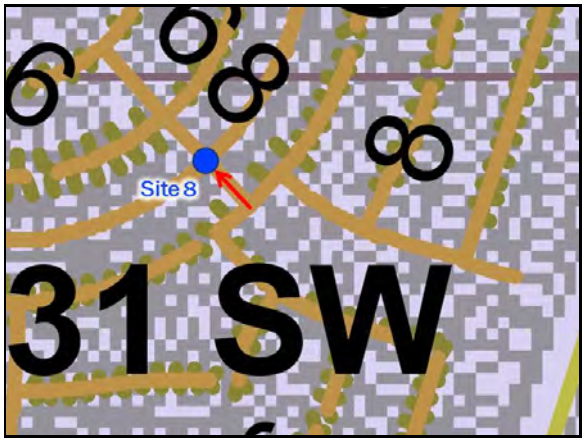
Vicinity Map: Site 8

SITE 8

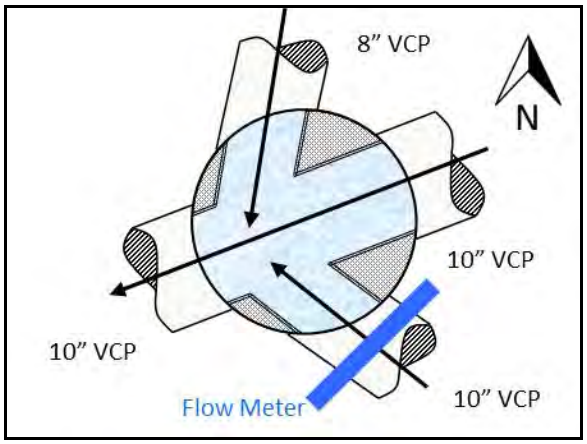
Site Information

Location:	Intersection of Brentford Cir and Caradale Ln
Coordinates:	121.3072° W, 38.8606° N
Rim Elevation (Earth):	132 feet
Pipe Diameter:	10 inches
ADWF:	0.018 mgd
Peak Measured Flow:	0.054 mgd

Satellite Map

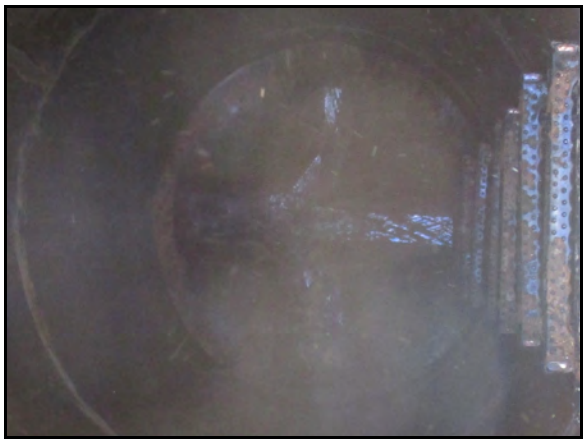


Sanitary Map



Flow Sketch

Street View



Plan View

SITE 8

Additional Site Photos

Influent Pipe

Effluent Pipe

SITE 8

Additional Site Photos

Northwest Lateral

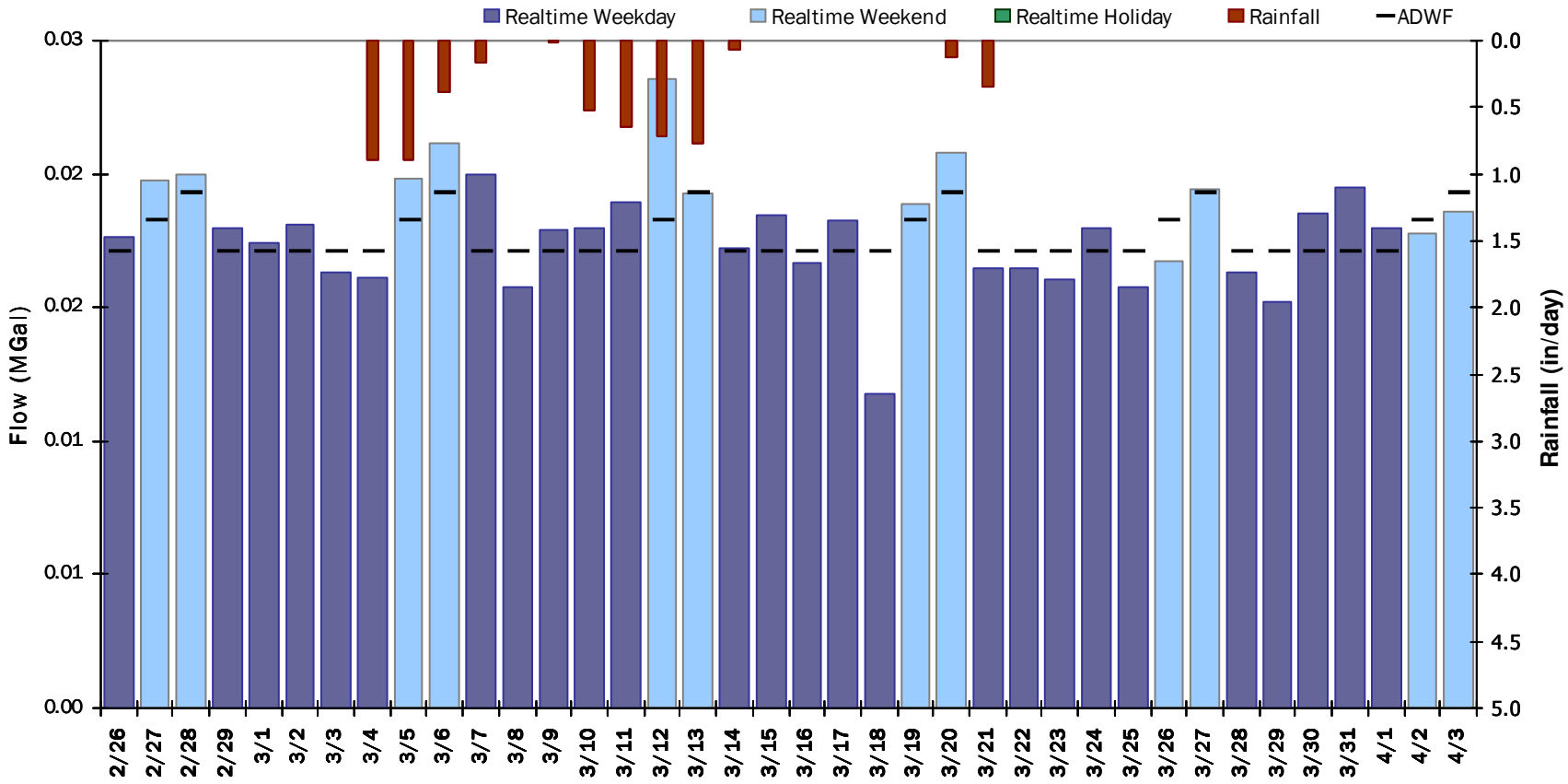
Northeast Lateral

SITE 8

Period Flow Summary: Daily Flow Totals

Avg Period Flow: 0.018 MGal **Peak Daily Flow: 0.024 MGal** **Min Daily Flow: 0.012 MGal**

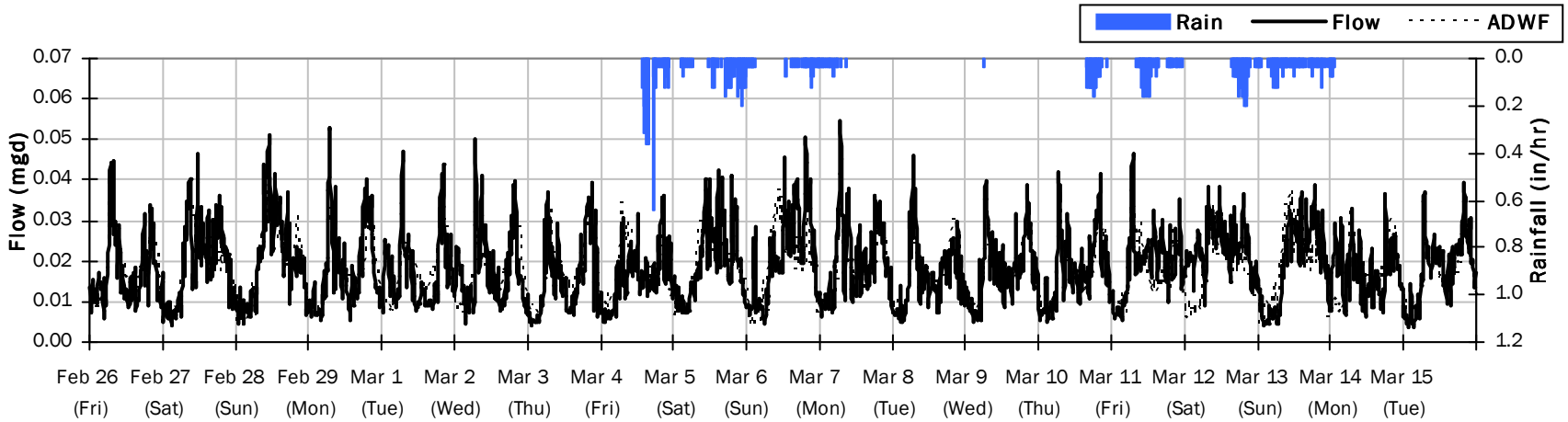
Total Period Rainfall: 5.53 inches

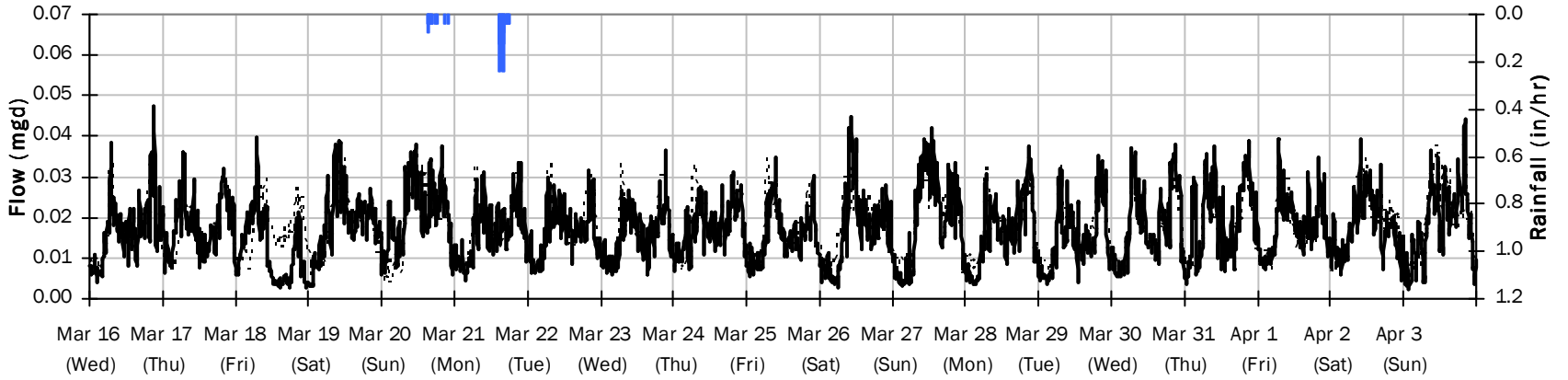


SITE 8

Flow Summary: 2/26/2016 to 4/3/2016

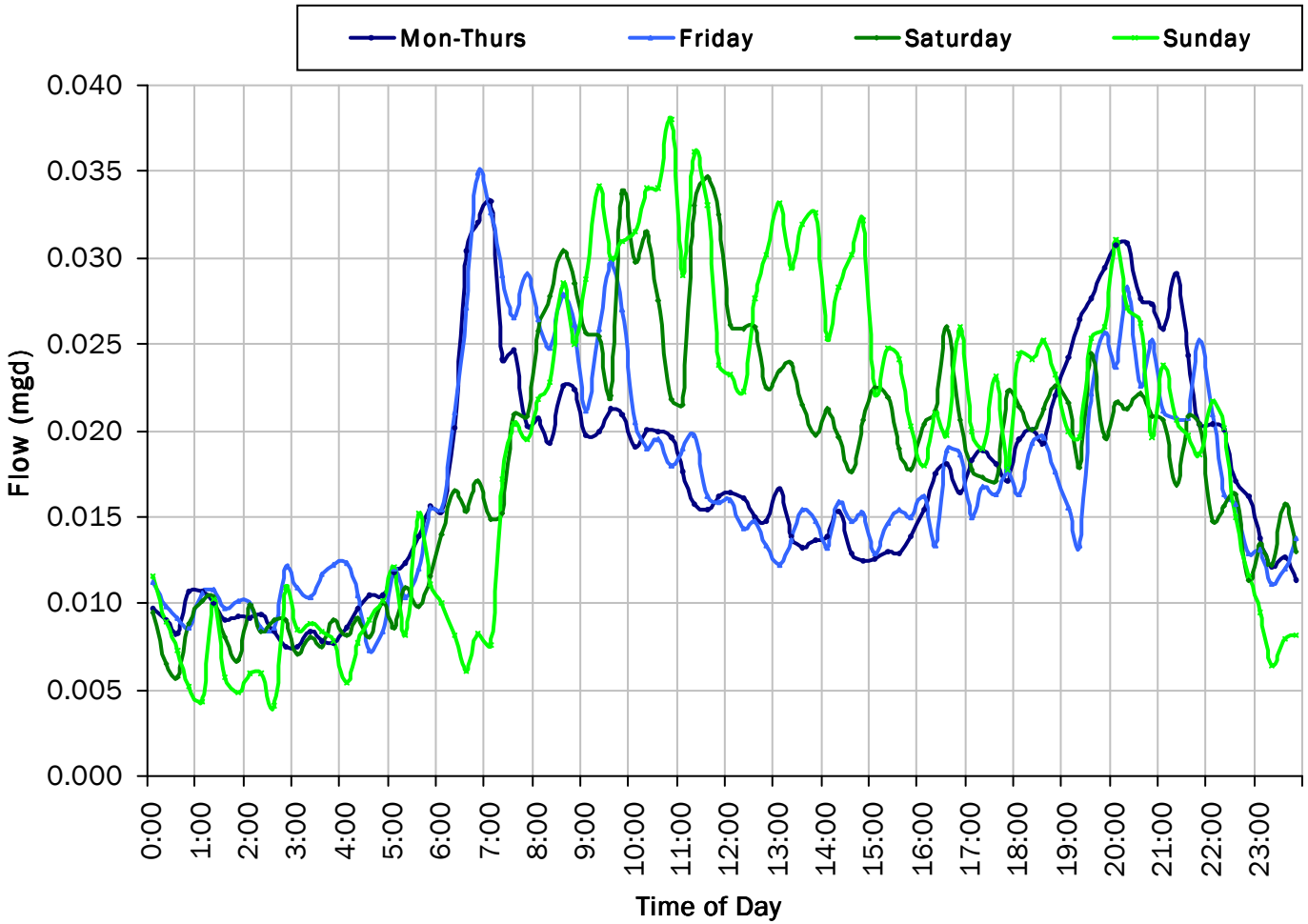
Total Period Rainfall: 5.53 inches **Avg Flow: 0.018 mgd** **Peak Flow: 0.054 mgd** **Min Flow: 0.002 mgd**





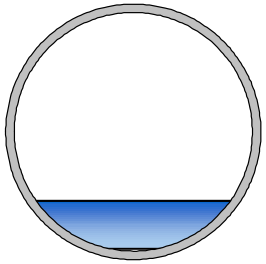
SITE 8

Average Dry Weather Flow Hydrographs



ADWF:

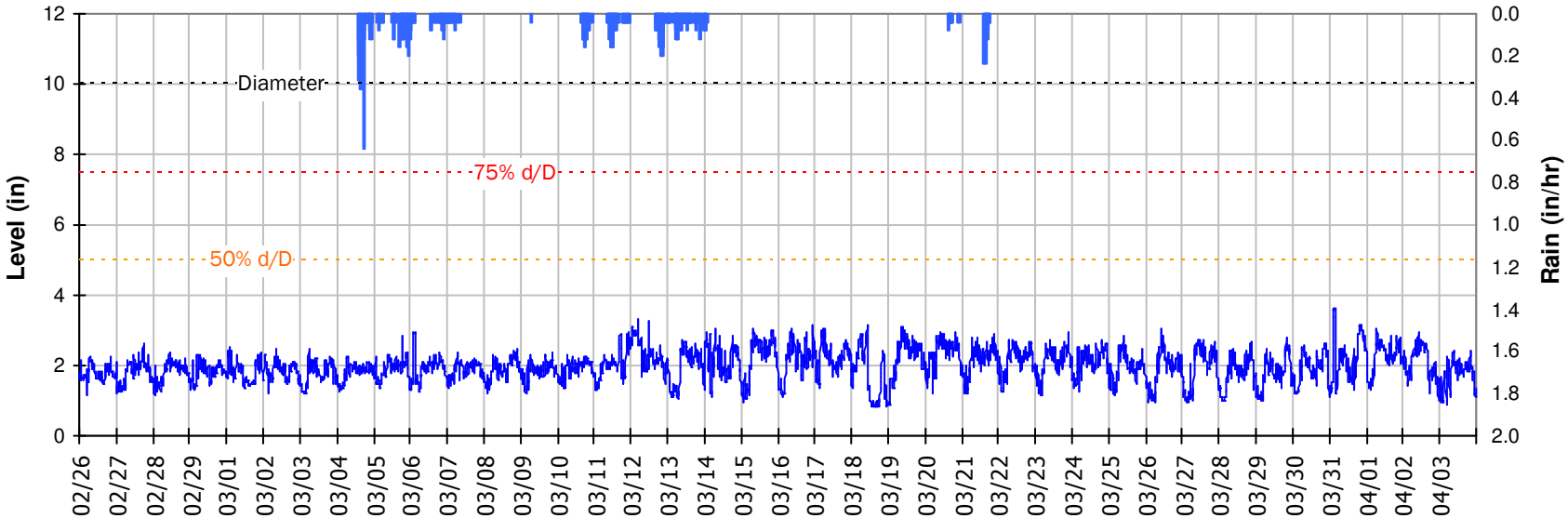
0.018 *mgd*

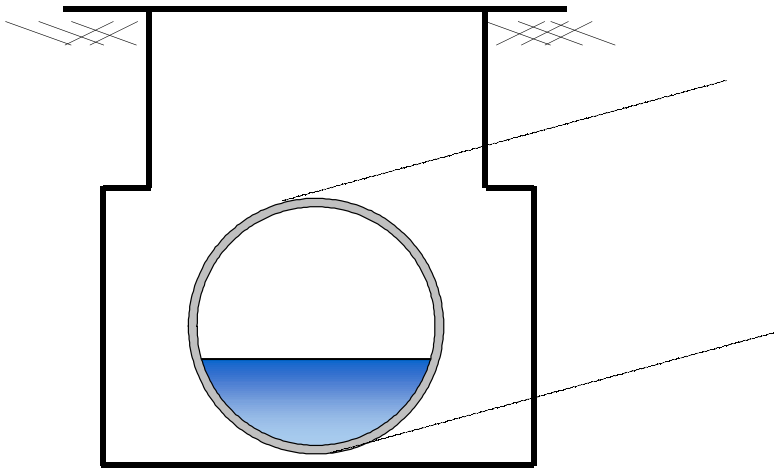


SITE 8

Site Capacity and Surcharge Summary

Realtime Flow Levels with Rainfall Data over Monitoring Period

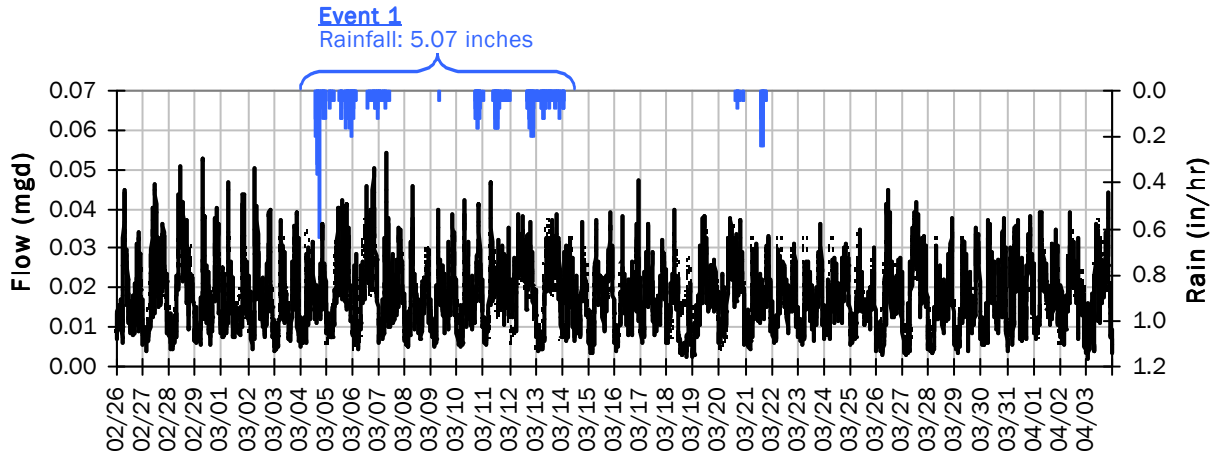




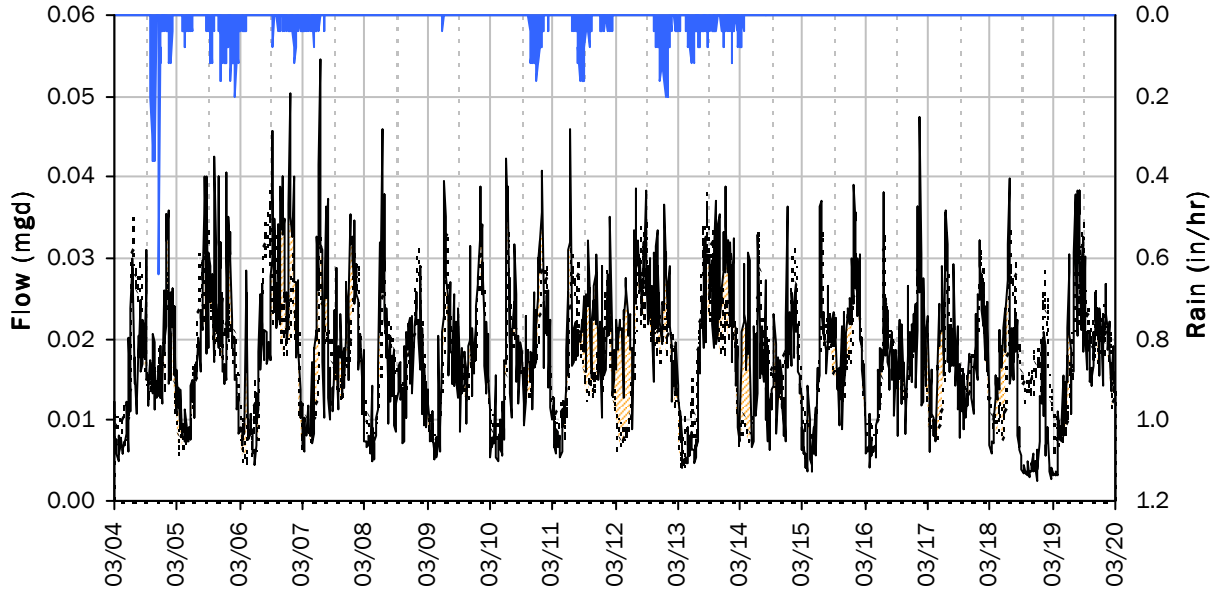
Pipe Diameter:	10	*inches*
Peak Measured Level:	3.61	*inches*
Peak d/D Ratio:	0.36	

SITE 8
I/I Summary: Event 1

Baseline and Realtime Flows with Rainfall Data over Monitoring Period



Event 1 Detail Graph



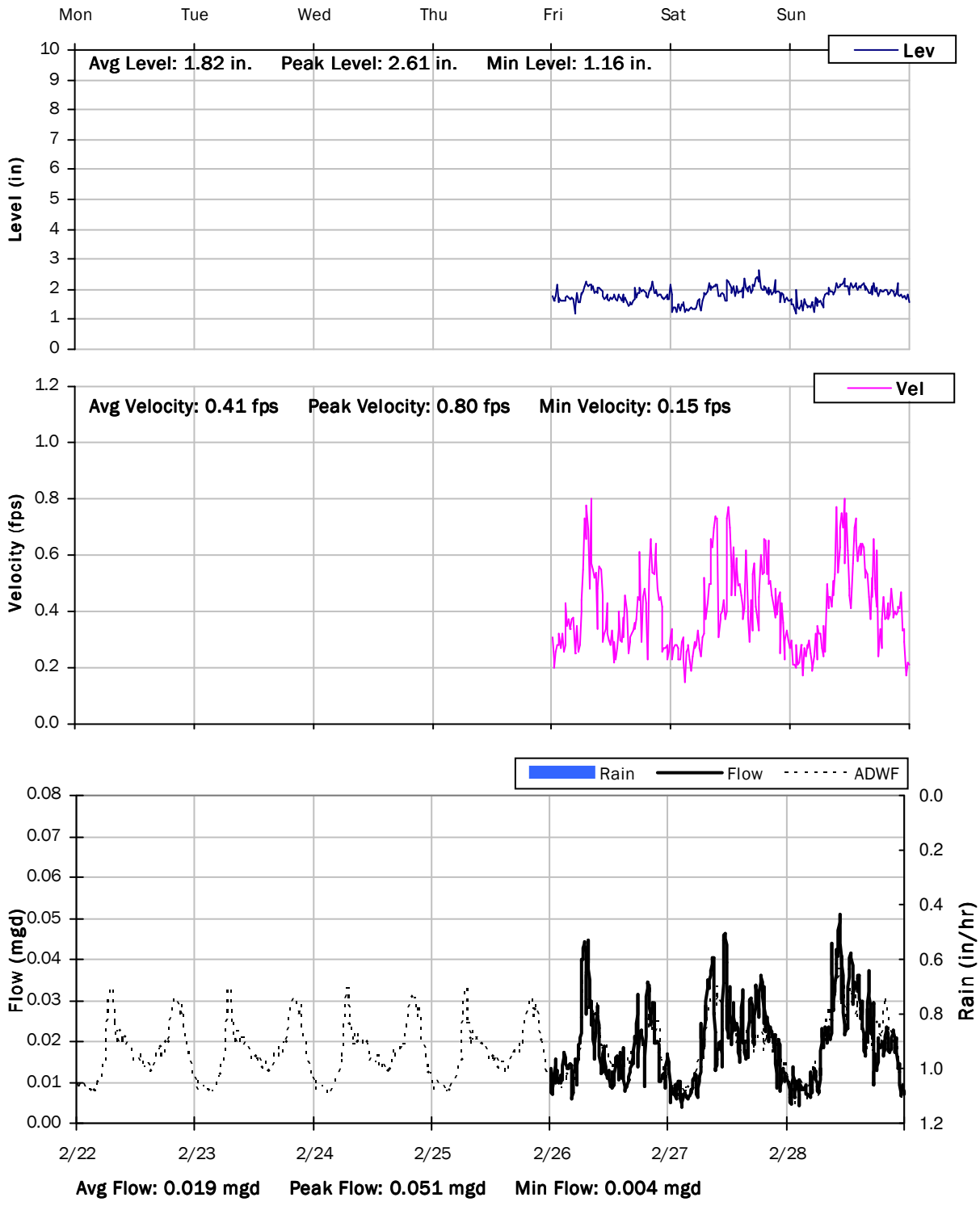
Storm Event I/I Analysis (Rain = 5.07 inches)

Capacity		Inflow / Infiltration	
Peak Flow:	0.05 *mgd*	**Peak I/I Rate:**	0.03 *mgd*
PF:	3.10	**Total I/I:**	12,000 *gallons*
Peak Level:	3.34 *in*		
d/D Ratio:	0.33		

SITE 8

Weekly Level, Velocity and Flow Hydrographs

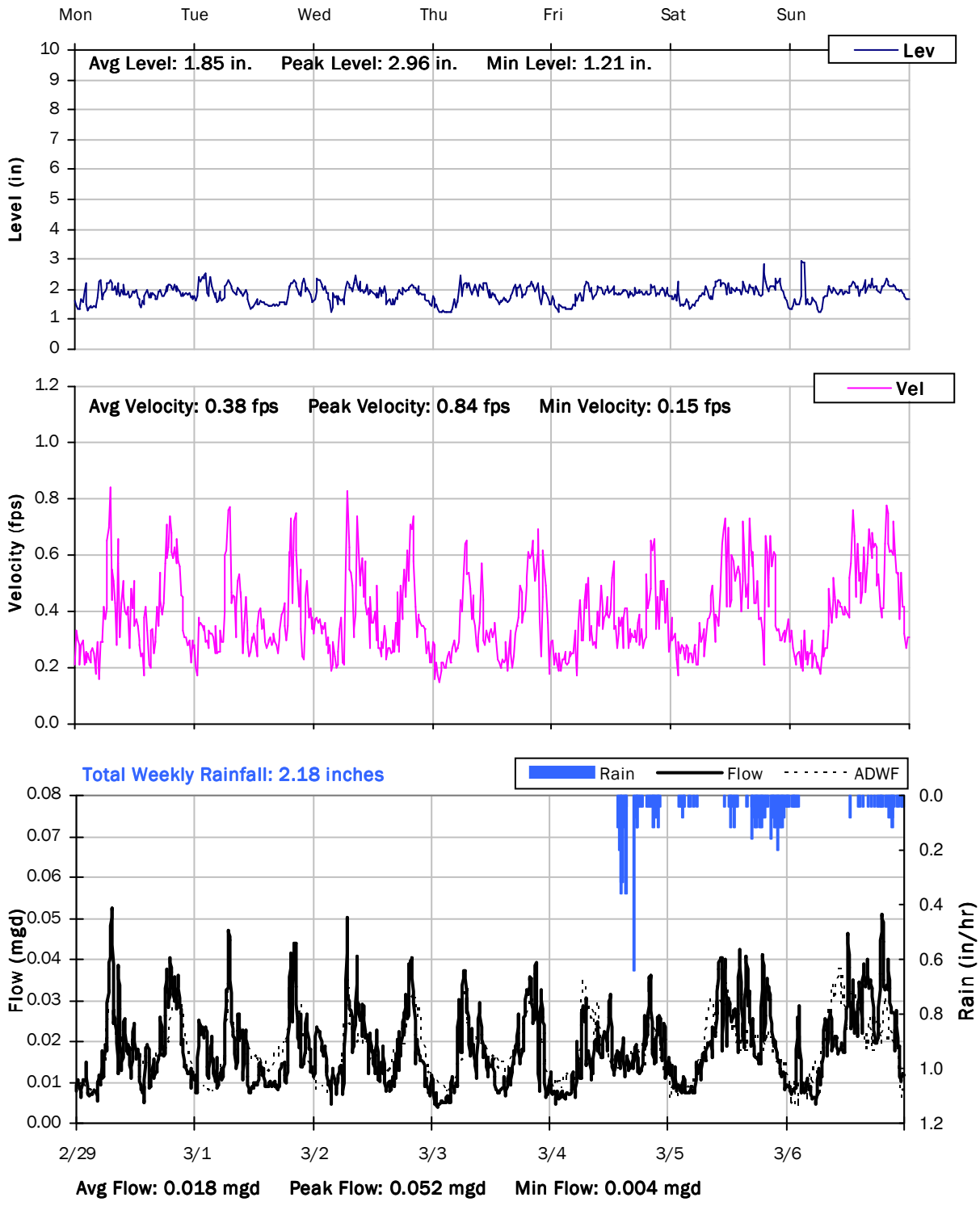
2/22/2016 to 2/29/2016



SITE 8

Weekly Level, Velocity and Flow Hydrographs

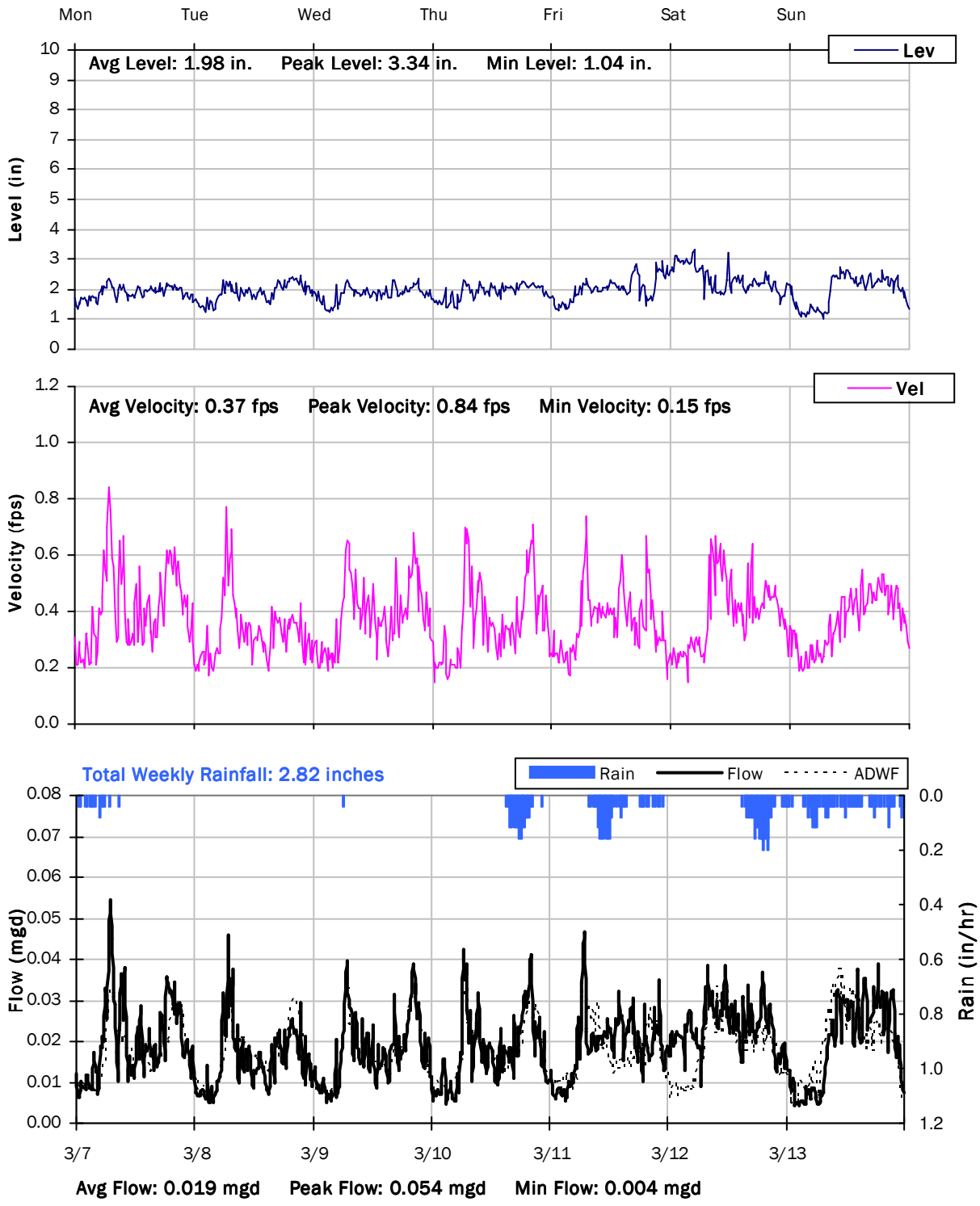
2/29/2016 to 3/7/2016



SITE 8

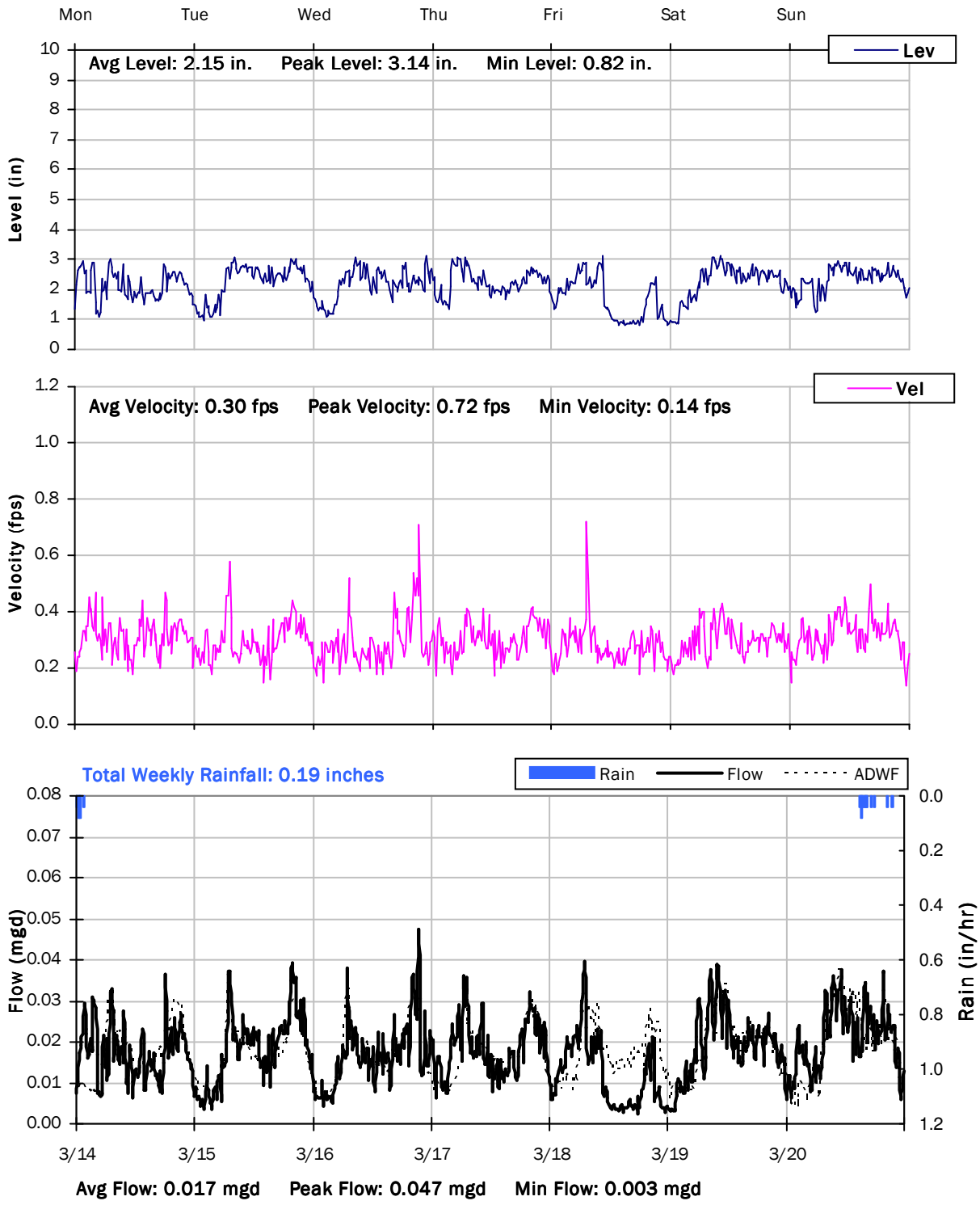
Weekly Level, Velocity and Flow Hydrographs

3/7/2016 to 3/14/2016



SITE 8

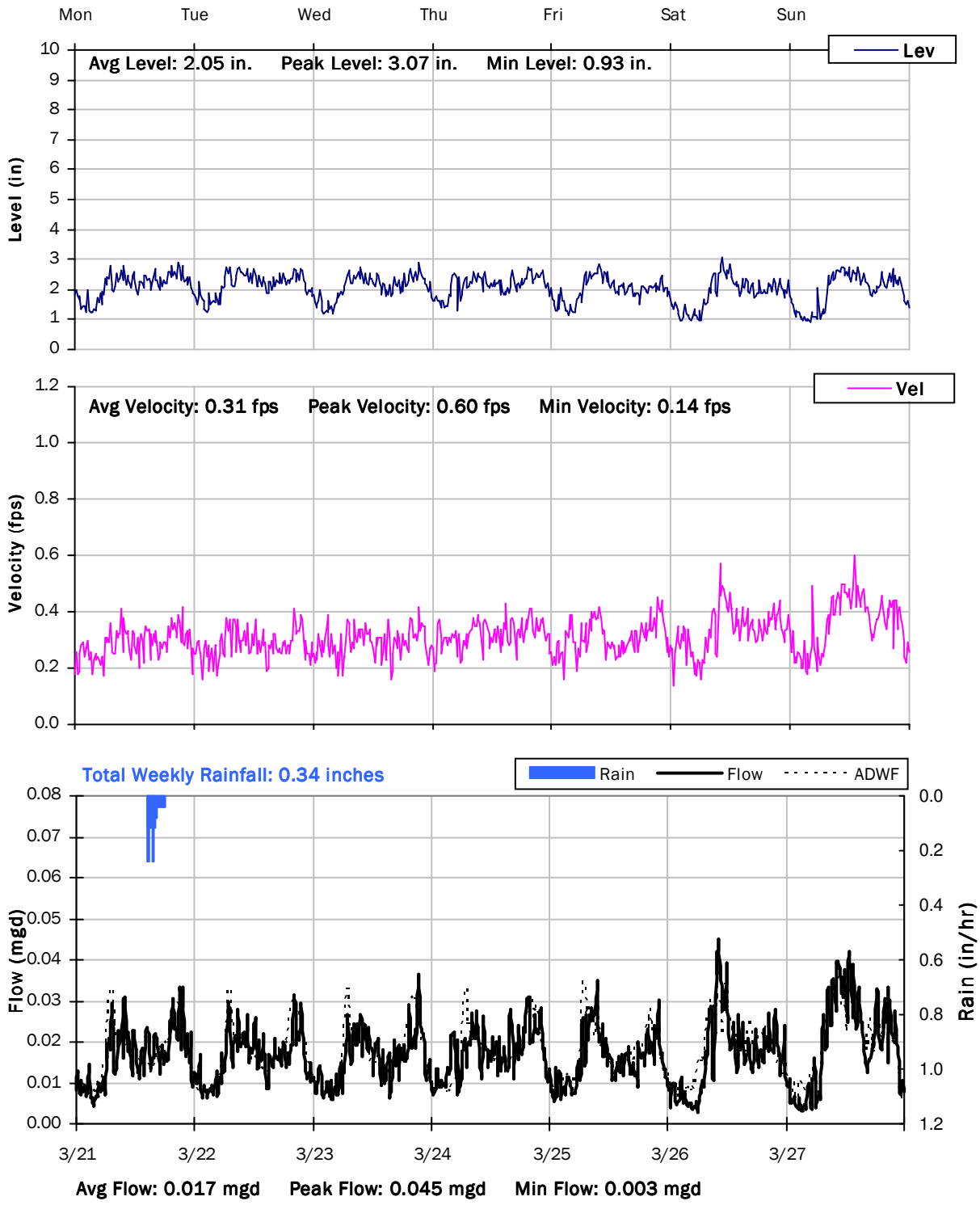
Weekly Level, Velocity and Flow Hydrographs
3/14/2016 to 3/21/2016



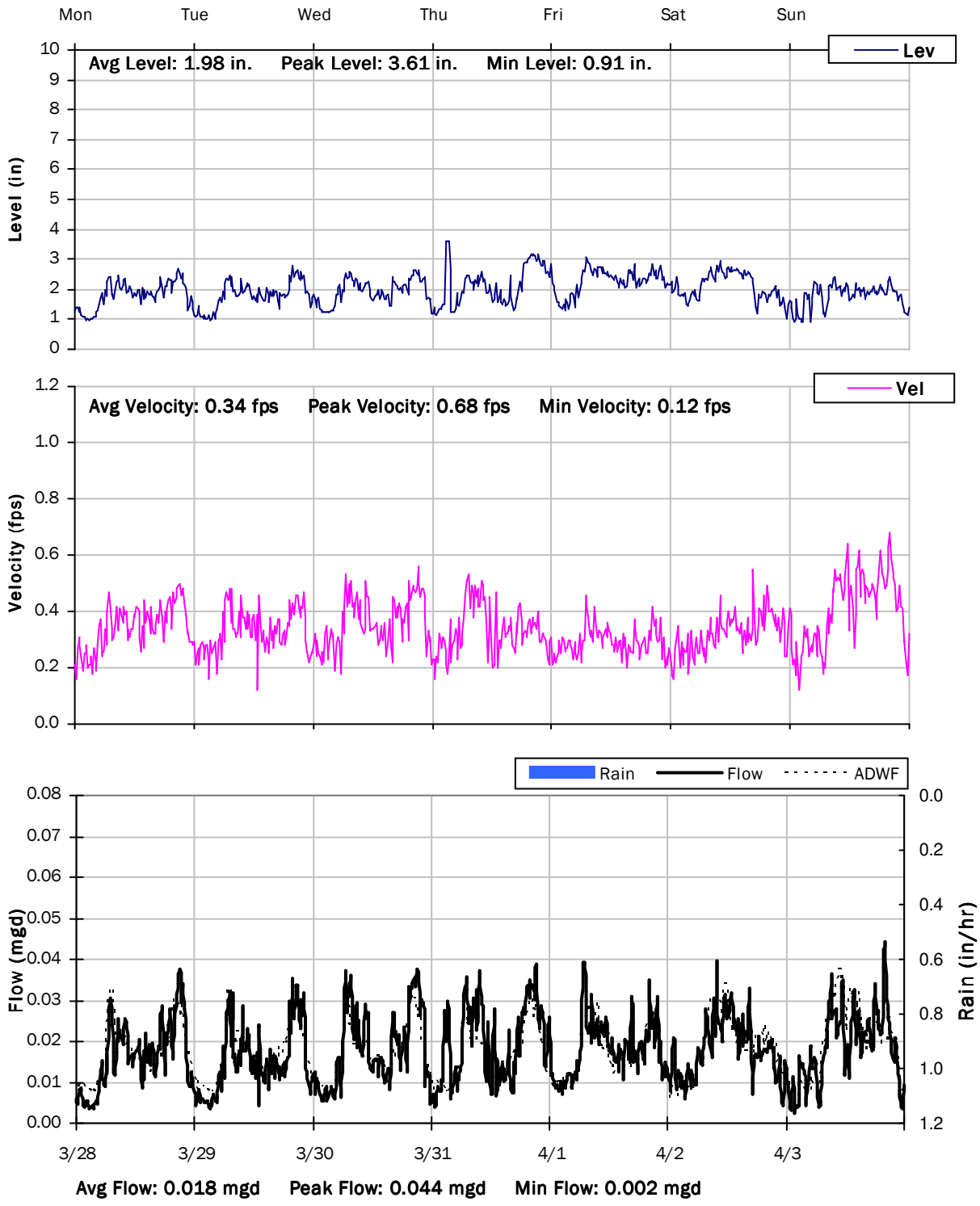
SITE 8

Weekly Level, Velocity and Flow Hydrographs

3/21/2016 to 3/28/2016



SITE 8

Weekly Level, Velocity and Flow Hydrographs

3/28/2016 to 4/4/2016