

Q82 Narrative for City of Enumclaw 2024 Annual Report

Q82 For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A)

2024 Compliance Activities and Recap of compliance Activities for the full 2019-2024 permit cycle.

- Continued fecal coliform field sampling program at identified sites from creek mile 1.7 to 1.0 that discharge into Boise Creek to assist in illicit discharge detection and elimination. See attached bacterial field screening results.
- Engineering Technician continued to assist with fecal coliform bacteria field screening and source tracing efforts within the City.
- Added additional field fecal coliform sampling sites in the flume and laterals approximately 1 mile north of the confluence with the mainstream, north of SE 456th Street, between highway 410 to the west and Watson Street N. to the East. IDDE field screening for bacteria is ongoing in this area. Implemented schedules and activities identified in S5.C.5 in response to any illicit discharge found. See attached bacterial field screening results.
- Coordinated with King County Stormwater services to perform bacterial DNA testing on various samples sites in the flume and laterals approximately 1 mile north of the confluence with the mainstream, north of SE 456th Street, between highway 410 to the west and Watson Street N. to the East. This data has helped in determining potential sources of the bacteria present in the area. To date, results during this permit cycle do not indicate any human sources in the flume and laterals of the area bacteria field screening is being performed.
- Continue collaborating with King County, King Conservation District, WSDA, Seattle-King County Health, and Ecology to discuss TMDL strategies and share fecal coliform sampling data collected from creek mile 1.7 to 1.0 as well as the flume and laterals described above. Attended quarterly interagency meetings to discuss data and strategies to correct known issues across the Enumclaw Plateau.
- Assisted King County Stormwater Services and Seattle-King County Health with confirmation of an illicit connection to the County's MS4 through use of the City line camera and operator (2021).
- Bacterial field screening results and subsequent source tracing led to the discovery and elimination of two illicit sewer connections to the MS4 from two separate mobile homes in the Mt Villa Mobile Home Park (2019).
- Bacterial field screening results and subsequent source tracing led to the discovery and elimination of two illicit connections from onsite septic systems to the MS4. Worked with the property owners to eliminate the illicit connections within 6 months of discovery (2020).
- Bacterial source tracing efforts led to the discovery of 4 separate properties that were improperly disposing of pet waste in drainage ditch systems or stormwater ponds. Enforcement letters were sent to all property owners requiring clean-up and halt of this illicit practice. All properties have complied with the enforcement requirements and are now in compliance (2020).
- Bacterial source tracing efforts led to confirmation that significant bacterial loading (particularly winter loading) identified in the King County Drainage District Lateral A stream comes from a

large agricultural property located outside the city limits. Ongoing coordination/collaboration through the inter-agency group is being performed to identify potential options to eliminate this source.

- Sent an education and outreach general awareness letter on proper pet waste management and reasons not to feed birds to various properties adjacent to the King County Drainage District Lateral A stream as a component of efforts to reduce the elevated bacteria loading observed in that system. Letters were sent to approximately 110 property owners (2021).
- Partnered with the King Conservation District (KCD) Stream Steward program (2019-2020) by providing space in the City of Enumclaw waste water treatment plant to perform water quality analysis and store, clean and distribute water quality testing kits. KCD Stream Stewards perform water quality testing at sites from creek mile 1.7 to 1.0 that discharge into Boise Creek. This stewardship opportunity was formally terminated in 2023 due to budget and staffing constraints at KCD.
- Continued pet waste education and outreach activities according to S5.C.2 to increase awareness of bacterial pollution problems and promote proper pet waste management behavior (see Question 21 narrative for more information). This included pet waste education and outreach at the City's booth during the King County Fair (2021), Enumclaw Street Fair (2022), Enumclaw Street Fair (2023), Enumclaw Street Fair (2024).
- Installed and maintained animal waste education and collection stations at permittee owned municipal parks and trails including: Boise Creek Park, Dwight Garrett Park, Ellenson Park (Enumclaw Dog Park), the Foothills Trail, Flensted Park, Holdner Park, Martin Johnson Park, McFarland Park, Montgomery Park, Battersby Trail, and the Rainier Trails Park. Require the installation of animal waste signage and collection stations at all private development with land areas where it can be reasonably expected to have substantial domestic animal use.
- Worked with owners of two separate garbage compactors to eliminate ongoing leaks and potential bacteria from these sources from entering the MS4 through surface runoff.
- In 2023, bacterial source control inspections performed at all commercial animal handling areas to ensure implementation of source control BMPs for bacteria (see source control inspection list for more information).
- Sent an education and outreach general awareness letter on proper pet waste management and reasons not to feed birds to various properties adjacent to the King County Drainage District Lateral A and B stream/ditch as a component of efforts to reduce the elevated bacteria loading observed in that system. Letters were sent to approximately 100 property owners (2024).
- In 2024, identified two mobile homes along Dickson Ave who were improperly disposing of pet waste in the drainage ditch which drains to the main flume. Worked with the mobile home park manager to clean-up the waste and ensure the issue was corrected going forward. Provided education and outreach material on proper pet waste disposal to the mobile home park to share with all residents.

City of Enumclaw 2024 Bacteria Field Screening Location Map
Boise Creek Basin Area



Note: Shows sample locations for entire permit cycle and the last test result at the sampling location.

P004161	Lateral A Outfall	epanumer	45 cloudy	L7	active	clear	90	Active flow	21702 15.34	21702 15.34	epanumer@enr.com	us	P004161	dnch	-321 907248	47 19365157		
P004161	Lateral A Outfall	epanumer	45 cloudy	24648	L7	active	clear	Active flow	2	21702 15.34	21702 15.34	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	45 cloudy	24648	L7	active	clear	Active flow, no vents	0	21702 14.40	21702 14.40	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	45 ain	L724	active	clear	110	Active flow		42102 14.34	42102 14.34	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	50 ain	L724	active	clear	330	Good Flow		51902 14.16	51902 14.16	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	64 sunny	GTweek	L7	active	clear	150	Clear - 180 CFU/100ml	Hu-2-Bac			P004161	dnch	-321 907608	47 19366175		
P004161	Lateral A Outfall	epanumer	78 sunny	GTweek	L7	active	clear	260	Low Flow but still high in the city				P004161	dnch	-321 907608	47 19366175		
P004161	Lateral A Outfall	epanumer	74 sunny	GTweek	L7	active	clear	260	2800 Coliform - 80 cfu/100ml-2-Bacteria testing	Hu-2 v-MDC, BDL = 1 (1 copium)			P004161	dnch	-321 907608	47 19366175		
P004161	Lateral A Outfall	epanumer	55 cloudy	GTweek	L7	active	280	Low flow but active		92202 15.07	92202 15.07	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	64 partlyCloudy	GTweek	L7	active	clear	40	Good Flow					P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	24648	L7	active	clear	60	Active flow		11702 15.44	11702 15.44	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	24648	L7	active	clear	140	Active flow		12202 15.59	12202 15.59	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	38 mostlyCloudy	L724	active	clear	0	Active Flow		11902 15.06	11902 15.06	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	24648	L724	active	clear	0	Active Flow		12202 15.45	12202 15.45	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	44 mostlyCloudy	L724	active	clear	20	Active Flow		12202 14.43	12202 14.43	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	42 cloudy	L724	active	clear	20	Active Flow		12202 14.22	12202 14.22	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	54 partlyCloudy	GTweek	L7	active	clear	740	Active Flow					P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	24648	L7	active	clear	150	Low Flow		62202 14.50	62202 14.50	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	59 sunny	GTweek	L7	active	clear	0	Active low flow					P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	70 sunny	GTweek	L7	active	clear	20	Active low flow					P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	49 sunny	L724	active	clear	70	Active low flow		81702 14.36	81702 14.36	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	32 sunny	24648	active	clear	300	Active low flow		92102 14.14	92102 14.14	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	32 sunny	L724	active	clear	70	Active Flow		111602 15.32	111602 15.32	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	39 partlyCloudy	24648	active	clear	40	Active flow		102102 15.53	102102 15.53	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	38 ain	current	active	clear	40	Active flow		111602 15.30	111602 15.30	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	40 partlyCloudy	L724	active	clear	450	Active flow		21504 14.45	21504 14.45	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	41 L724	active	clear	450	Active flow		32104 15.00	32104 15.00	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175		
P004161	Lateral A Outfall	epanumer	39 sunny	L724	active	clear	160	Active Flow		41804 14.47	41804 14.47	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	53 cloudy	L7week	active	clear	176	Active flow		61804 14.44	61804 14.44	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	58 cloudy	L724	active	clear	190	Active Flow		62704 14.36	62704 14.36	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	60 cloudy	GTweek	L7	active	clear	150	Active Flow		71804 15.11	71804 15.11	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175
P004161	Lateral A Outfall	epanumer	60 cloudy	GTweek	L7	active	clear	600	Active Flow		81504 14.27	81504 14.27	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175
P004161	Lateral A Outfall	epanumer	50 sunny	L724	active	clear	20	Low flow						P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	49 cloudy	L724	active	clear	110	Good Flow						P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	45 partlyCloudy	L7week	active	clear	60	Active flow		101704 14.52	101704 14.52	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	47 cloudy	L7week	active	clear	10	Blue heron upstair						P004161	dnch	-321 907608	47 19366175	
P004161	Lateral A Outfall	epanumer	39 partlyCloudy	L724	active	clear	200			11602 16.10	11602 16.10	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Flume flow upstair of Lat A	epanumer	52 ain	current	active	clear	100			22002 15.50	22002 15.50	epanumer@enr.com	us	P004161	dnch	-321 907608	47 19366175	
P004161	Main Flume upstair of Lat A	epanumer	38 sunny	L7week	active	clear	500			81002 17.21	81002 17.21	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	30 sunny	L7week	active	clear	100			91502 14.50	91502 14.50	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	42 ain	current	active	clear	100			81002 17.21	81002 17.21	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	50 cloudy	L7week	active	clear	1600			52102 15.04	52102 15.04	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	60 sunny	L7week	active	clear	60			81602 15.50	81602 15.50	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	60 sunny	GTweek	diagnose	clear	2600	Stagnant Flow. No observable flow in outfall upstair		73502 15.14	73502 15.14	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	24648	diagnose	diagnose	clear	130	Very very low flow		81202 13.30	81202 13.30	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	55 ain	current	active	clear	0	Low-medium flow. Test Results may be off in outfall		92402 15.40	92402 15.40	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	60 sunny	L7week	active	clear	0	Medium flow		11050 15.14	11050 15.14	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	24648	active	clear	340		Human feces		102202 14.38	102202 14.38	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	50 ain	L724	active	slightly turbid	700	Human genetic marker Hu2 not detected		11050 16.00	11050 16.00	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	41 partlyCloudy	L724	active	slightly turbid	0	Medium Flow. Test Results may be off		111602 15.30	111602 15.30	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	seasonalBatt	24648	active	clear	300		None		12100 16.30	12100 16.30	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	17 L724	active	clear	0		Birds 1/2 bird and one cat		12102 15.58	12102 15.58	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	42 partlyCloudy	24648	active	clear	130	Active flow, water coming out of ditch all side		21802 15.15	21802 15.15	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	24648	active	clear	30	Active flow, no groundwater coming out of the hill		31802 14.54	31802 14.54	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003		
P004162	Main Flume Upstair of Lat A	epanumer	41 cloudy	L7week	active	clear	350	Active flow		31802 14.54	31802 14.54	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	45 sunny	L7week	active	clear	20	Active flow		41502 14.26	41502 14.26	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	46 sunny	L7week	active	clear	0	Low flow, nothing else to report		50202 14.39	50202 14.39	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	50 sunny	24648	active	clear	250	Active low very low flow		61702 14.21	61702 14.21	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	GTweek	50 sunny	active	clear	250	Active low very low flow		72202 15.50	72202 15.50	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003		
P004162	Main Flume Upstair of Lat A	epanumer	54 cloudy	L7week	diagnose	clear	2340	Stagnant		81002 17.48	81002 17.48	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	46 mostlyCloudy	L7week	active	clear	150	Active flow		92302 15.07	92302 15.07	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	46 mostlyCloudy	L7week	active	clear	950	Active flow mini debris but no downstream		104204 14.45	104204 14.45	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	38 ain	L724	active	clear	60	Active Flow		111602 15.29	111602 15.29	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	49 ain	current	active	slightly turbid	170	Active flow		12002 15.35	12002 15.35	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	49 ain	L7week	active	clear	170	Active Flow		12002 15.35	12002 15.35	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	45 cloudy	L7week	active	clear	80	Active flow		21702 15.33	21702 15.33	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	43 cloudy	L7week	active	clear	80	Active flow		21702 15.33	21702 15.33	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	43 cloudy	24648	active	clear	110	Active Flow		21702 14.40	21702 14.40	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	43 cloudy	L724	active	slightly turbid	10	Active Flow		42102 14.36	42102 14.36	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162	Main Flume Upstair of Lat A	epanumer	42 ain	current	active	clear	370	Active Flow		51902 14.16	51902 14.16	epanumer@enr.com	us	P004162	dnch	-321 907550	47 19370003	
P004162																		

P504164	Dishon Dish Outfall	apnearer	45	45	rain	L724	active	clear	60			401222 15:13	401222 15:13	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	42	42	rain	L750	current	0	5			519022 14:51	519022 14:51	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	38	38	partlyBunny	L724	active	clear	0	Active Flow, trash and weed debris in dish		119023 17:00	119023 17:00	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	24	24	rain	2404b	active	clear	60			319023 15:36	319023 15:36	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	44	44	rain	L724	active	clear	0	Little of active flow		302923 15:26	302923 15:26	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	42	42	cloudy	L724	active	clear	10	Little of active flow		402923 15:01	402923 15:01	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	48	48	rain	L724	active	clear	100			801203 13:21	801203 13:21	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	52	52	rain	2404b	active	clear	50	Active Flow, Work order put in for vegetation removal		110923 19:25	110923 19:25	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	32	32	rain	L724	active	clear	20			111923 15:55	111923 15:55	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	48	48	cloudy	L724	active	clear	0	Good Flow		301204 16:00	301204 16:00	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	36	36	rain	L724	active	clear	0	Good Flow		410204 15:35	410204 15:35	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	58	58	cloudy	L724	active	clear	0	Good Flow		627024 15:17	627024 15:17	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	50	50	cloudy	L724	active	clear	0	High water level		718024 15:58	718024 15:58	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	45	45	cloudy	L724	active	clear	10	Good Flow		101724 15:37	101724 15:37	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504164	Dishon Dish Outfall	apnearer	52	52	rain	L724	active	clear	10	Slight flow		121024 16:00	121024 16:00	apnearer@unimelb.edu.au	P504164	dish	-21	02092628	47	19747297
P504165	Lateral A at Bialle Street	apnearer	52	52	rain	current	active	clear	450			810020 17:21	810020 17:21	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	38	38	rain	L724	active	slightly turbid	0			202026 16:12	202026 16:12	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	37	37	rain	L724	active	clear	0	Woody debris in dish at culvert was sampled 1 mile further downstream		810020 17:21	810020 17:21	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	38	38	rain	current	active	slightly turbid	940	Sampled in normal spot		423026 16:05	423026 16:05	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	50	50	cloudy	L724	active	clear	200			512102 15:45	512102 15:45	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	60	60	rain	L724	active	clear	280			810020 15:30	810020 15:30	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	68	68	rain	GTweak	active	clear	880	low flow, algae present downstream. Cow manure smell in recently installed topsoil		810020 17:21	810020 17:21	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	68	68	rain	GTweak	active	clear	690	Low flow		821020 13:20	821020 13:20	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	55	55	rain	current	active	clear	1080	medium flow - fine flush		902420 15:01	902420 15:01	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	40	40	rain	2404b	active	clear	110	medium flow		102220 14:48	102220 14:48	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	41	41	rain	slightly turbid	active	clear	220	Good flow, little to no debris in dish		110920 16:28	110920 16:28	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	42	42	cloudy	L724	active	clear	140			101201 15:55	101201 15:55	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	42	42	cloudy	2404b	active	clear	140	Good flow		210201 15:30	210201 15:30	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	40	40	rain	GTweak	active	clear	0	Active Flow		310201 15:09	310201 15:09	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	45	45	cloudy	L724	active	clear	0	Active Flow/male/female ducks downstream		410201 14:39	410201 14:39	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	46	46	rain	current	active	clear	70	active flow		502021 14:53	502021 14:53	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	50	50	rain	2404b	active	clear	50	Active flow		617021 14:33	617021 14:33	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	54	54	cloudy	GTweak	active	clear	2000	Active flow		702201 14:48	702201 14:48	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	54	54	cloudy	GTweak	active	clear	430	Stagnant		810021 20:36	810021 20:36	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	65	65	rain	L724	active	clear	0	Estimated FC Number: TNT Count the number.		902021 15:21	902021 15:21	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	53	53	rain	current	active	clear	2200			101201 20:26	101201 20:26	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	55	55	rain	slightly turbid	active	clear	1700			102021 17:00	102021 17:00	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	58	58	rain	2404b	active	clear	0	Active flow Trash in dish taken out		101201 15:15	101201 15:15	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	55	55	rain	2404b	active	clear	100	86 Sample, with KC Ecology		110201 19:30	110201 19:30	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	58	58	rain	L724	active	clear	100	Active Flow, trash around dish		111021 15:42	111021 15:42	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	49	49	rain	current	active	clear	110			121021 18:00	121021 18:00	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	49	49	rain	current	active	clear	320	Active Flow		120222 15:43	120222 15:43	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	49	49	rain	current	active	clear	320	Active Flow		100222 15:43	100222 15:43	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	46	46	cloudy	L724	active	clear	50	Active Flow		217202 15:48	217202 15:48	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	46	46	cloudy	L724	active	clear	50	Active Flow		217202 15:48	217202 15:48	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	43	43	cloudy	2404b	active	clear	50	Active Flow		317202 14:50	317202 14:50	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	43	43	cloudy	2404b	active	clear	50	Active Flow		401202 14:47	401202 14:47	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	42	42	rain	current	active	clear	0	Active Flow		519022 14:26	519022 14:26	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	64	64	rain	slightly turbid	active	clear	80	419 Low Flow, Collihan 140 CFU/100ml, Hs-2-Bac Null		610202 14:15	610202 14:15	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	58	58	rain	GTweak	active	clear	180	Active Flow		710202 17:45	710202 17:45	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	70	70	rain	2404b	active	clear	140			810022 14:53	810022 14:53	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	74	74	rain	GTweak	active	clear	80	400 Coliform 400 dnf/100ml, Hs-2-Bacteria tested in MDC, MDC: 1 (1 copian/ml)		810202 17:39	810202 17:39	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	56	56	cloudy	L724	active	clear	370	Active Flow, little vegetation, clearing		910202 15:30	910202 15:30	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	44	44	partlyBunny	GTweak	active	clear	80	Little vegetation, clearing the channel		100222 15:30	100222 15:30	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	44	44	partlyBunny	GTweak	active	clear	30	Active Flow, Dish side moved		111022 15:54	111022 15:54	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	5	5	partlyBunny	2404b	active	clear	20	Active Flow, some trash in dish		120222 16:28	120222 16:28	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	38	38	partlyBunny	L724	active	clear	0	Active flow some trash in dish		119023 16:28	119023 16:28	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	24	24	rain	2404b	active	clear	10			220201 16:15	220201 16:15	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	44	44	cloudy	L724	active	clear	0	Active Flow		302923 14:53	302923 14:53	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	42	42	cloudy	L724	active	clear	30	Active Flow		420203 14:51	420203 14:51	apnearer@unimelb.edu.au	P504165	dish	-21	02044557	47	19314542
P504165	Lateral A at Bialle Street	apnearer	54	54	partlyBunny	GTweak	active	clear	50	Active Flow		502523 14:44	502523 14:44	apnearer@unimelb.edu.au	P50416					

P804167	Lateral A at Cropper Lane	46	weedy/Cloudy	GTweek	stagnant	clear	10	217022 15:58	217022 15:58	epinephel@unimelb.wa.us	P804167	ditch	-217018275	47 19316167
P804167	Lateral A at Cropper Lane	46	weedy/Cloudy	LTweek	stagnant	clear	10	217022 15:58	217022 15:58	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316164
P804167	Lateral A at Cropper Lane	43	cloudy	24o48	active	clear	40	317022 15:55	317022 15:55	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	43	rain	LT24	active	clear	40	450122 14:57	450122 14:57	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	42	rain	current	active	clear	0	519022 14:38	519022 14:38	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	50	cloudy	LT24	active	clear	0	619022 14:30	619022 14:30	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	58	sunny	GTweek	active	clear	60	701202 14:44	701202 14:44	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	70	cloudy	GTweek	active	clear	60	818022 15:08	818022 15:08	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	85	cloudy	LTweek	active	clear	190	920222 15:17	920222 15:17	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	46	partly/sunny	GTweek	active	clear	110	1000222 15:39	1000222 15:39	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	46	partly/sunny	GTweek	active	clear	110	1110222 15:39	1110222 15:39	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	46	partly/sunny	24o48	active	clear	120	120222 16:29	120222 16:29	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	124	rain	current	active	clear	20	118022 15:42	118022 15:42	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	24	partly/sunny	24o48	active	clear	10	220222 16:12	220222 16:12	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	46	weedy/Cloudy	LT24	active	clear	20	320222 15:05	320222 15:05	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	42	cloudy	LT24	active	clear	0	420222 14:41	420222 14:41	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	53	partly/sunny	GTweek	active	clear	230	520222 14:56	520222 14:56	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	58	sunny	24o48	active	clear	10	620222 15:16	620222 15:16	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	59	partly/sunny	GTweek	stagnant	clear	60	702022 14:14	702022 14:14	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	58	sunny	LTweek	active	clear	10	817022 15:06	817022 15:06	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	49	sunny	LT24	active	clear	250	912022 14:34	912022 14:34	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	49	sunny	24o48	active	clear	20	101022 14:23	101022 14:23	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	49	sunny	LT24	active	clear	20	111022 15:08	111022 15:08	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	39	partly/sunny	24o48	active	clear	50	120202 14:14	120202 14:14	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	42	cloudy	LT24	active	clear	40	210202 16:08	210202 16:08	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	46	weedy/Cloudy	LT24	active	clear	0	310202 15:38	310202 15:38	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	39	sunny	LTweek	active	clear	0	410202 15:17	410202 15:17	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	53	cloudy	LTweek	active	clear	10	510202 15:23	510202 15:23	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	58	cloudy	LT24	active	clear	10	610202 14:37	610202 14:37	epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	62	sunny	GTweek	active	clear	70	718024 15:43	718024 15:43	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	60	cloudy	GTweek	active	clear	40	815024 14:57	815024 14:57	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	50	sunny	24o48	active	clear	20	910704 15:14	910704 15:14	dehenneg@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804167	Lateral A at Cropper Lane	45	partly/sunny	LTweek	active	clear	30			epinephel@unimelb.wa.us	P804167	ditch	-217018277	47 19316154
P804168	Main Flume Wide Outfall	52	rain	current	active	slightly/turbid	0	120202 16:35	810020 17:21	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	42	sunny	current	active	slightly/turbid	0	200202 17:04	810020 17:21	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	39	sunny	LTweek	active	slightly/turbid	300	319026 16:09	810020 17:21	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	42	sunny	current	active	slightly/turbid	1000	410202 16:38	810020 17:21	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	50	cloudy	LTweek	active	slightly/turbid	330	510126 16:31	810020 17:21	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	60	sunny	LTweek	active	slightly/turbid	60	610202 16:30	810020 17:21	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	60	sunny	LTweek	active	slightly/turbid	70	700202 16:38	810020 17:21	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	55	rain	current	active	clear	760	804020 15:41	904020 15:41	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	40	sunny	current	active	clear	510	910202 15:20	910202 15:20	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	45	partly/sunny	LT24	stagnant	clear	0	1110022 17:08	1119022 17:08	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	24o48	active	active	clear	0	1210022 17:45	1210022 17:45	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159	
P804168	Main Flume Wide Outfall	41	rain	current	active	clear	120	121201 17:05	121201 17:05	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	42	cloudy	24o48	active	clear	100	210021 16:12	210021 16:12	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	41	cloudy	GTweek	active	clear	120	318021 15:57	318021 15:57	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	47	sunny	LTweek	stagnant	clear	0	410201 15:37	410201 15:37	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	48	rain	current	active	clear	110	500201 15:29	500201 15:29	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	50	sunny	24o48	active	clear	120	610201 15:19	610201 15:19	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	55	sunny	GTweek	active	clear	180	702021 16:48	702021 16:48	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	52	cloudy	GTweek	stagnant	clear	100	819021 20:39	819021 20:39	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	14	sunny	current	active	clear	870	910201 16:16	910201 16:16	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	47	weedy/Cloudy	current	active	clear	870	101421 16:30	101421 16:30	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	40	partly/sunny	current	active	clear	0	111021 16:29	111021 16:29	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	50	LT24	active	active	clear	0	121021 17:30	121021 17:30	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	49	rain	current	active	clear	110	120022 16:23	120022 16:23	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	49	rain	current	active	clear	110	120022 16:23	120022 16:23	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	46	cloudy	LTweek	active	clear	130	217022 16:24	217022 16:24	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	1	cloudy	LTweek	active	clear	130	317022 16:24	317022 16:24	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	43	cloudy	24o48	active	clear	80	317022 15:20	317022 15:20	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	124	rain	current	active	clear	0	450122 15:57	450122 15:57	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	42	rain	current	active	slightly/turbid	60	519022 15:05	519022 15:05	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	50	cloudy	LT24	active	slightly/turbid	60	619022 15:00	619022 15:00	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	58	sunny	LTweek	stagnant	clear	70	701202 15:00	701202 15:00	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	70	cloudy	GTweek	stagnant	clear	1000	818022 15:16	818022 15:16	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	74	sunny	GTweek	active	clear	1200	910202 15:00	910202 15:00	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	55	cloudy	GTweek	stagnant	clear	1500	920222 15:50	920222 15:50	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	46	partly/sunny	LTweek	stagnant	clear	1500	1000222 15:39	1000222 15:39	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	44	partly/sunny	GTweek	active	clear	0	111022 16:26	111022 16:26	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	124	rain	current	active	clear	0	118022 15:14	118022 15:14	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	24	partly/sunny	24o48	active	clear	60	220222 16:38	220222 16:38	dehenneg@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	46	weedy/Cloudy	LT24	active	slightly/turbid	40	320222 16:31	320222 16:31	epinephel@unimelb.wa.us	P804168	outfall	-217024731	47 19086159
P804168	Main Flume Wide Outfall	42	cloudy	LT24	active	slightly/turbid	40	420222 16:38						

PS04187	Main Flume W/ner	apexmer	32	kmny	LT24	active	clear	0	70	Active Flow, no debris at inlet	11/16/23 15:39	11/16/23 15:39	apexmer@atlantia.wa.us	PS04187	dnsh	-121.9887072	47.19215853
PS04187	Min Meadows Mobile Home Seale Bottle #1	apexmer	39	kmny	L Tweek	active	clear	0	0		4/18/24 14:42	4/18/24 14:42	apexmer@atlantia.wa.us	PS04187	dnsh	-121.9887072	47.19215853
PS04187	Main Flume W/ner	apexmer	50	kmny	26048	active	clear	0	410		9/19/24 14:49	9/19/24 14:49	apexmer@atlantia.wa.us	PS04187	dnsh	-121.9887072	47.19215853
PS04188	Main Flume of Dickson	apexmer	1	kmny	L Tweek	active	clear	180	0	Children completely dry, very low flow from Wind	8/29/21 16:00	8/29/21 16:00	apexmer@atlantia.wa.us	PS04188	dnsh	-121.9891025	47.1927946
PS04188	Main Flume of Dickson	apexmer	44	partlyBunny	GTweek	active	clear	410	0	Little flow, Moody movement from Wind. No water in Dickson.	11/17/22 16:20	11/17/22 16:20	apexmer@atlantia.wa.us	PS04188	dnsh	-121.9891025	47.1927946
PS04188	Main Flume of Dickson	apexmer	50	kmny	L Tweek	slagant	clear	80	0	little to no flow	6/22/23 15:32	6/22/23 15:32	apexmer@atlantia.wa.us	PS04188	dnsh	-121.9891025	47.1927946
PS04188	Main Flume of Dickson	apexmer	69	kmny	GTweek	active	clear	1000	0	little to no flow	8/17/23 15:23	8/17/23 15:23	apexmer@atlantia.wa.us	PS04188	dnsh	-121.9891025	47.1927946
PS04188	Main Flume of Dickson	apexmer	48	partlyBunny	LT24	active	clear	50	0	Sample from Dickson Ditch	3/01/24 16:01	3/01/24 16:01	apexmer@atlantia.wa.us	PS04188	dnsh	-121.9891025	47.1927946
PS04188	Main Flume of Dickson	apexmer	50	kmny	26048	slagant	clear	360	0	seepage flow			apexmer@atlantia.wa.us	PS04188	dnsh	-121.9891025	47.1927946
PS04189	Main Flume of Dickson	apexmer	45	partlyBunny	L Tweek	active	clear	0	0				apexmer@atlantia.wa.us	PS04189	dnsh	-121.9891025	47.1927946
PS04189	Lateral A East of Biale	apexmer	53	cloudy	0	active	clear	10	20		9/27/21 16:30	10/1/21 20:30	apexmer@atlantia.wa.us	PS04189	dnsh	-121.9891025	47.1927946
PS04189	Lateral A East of Biale	apexmer	63	cloudy	GTweek	active	clear	0	0		7/25/24 17:26	7/25/24 17:26	apexmer@atlantia.wa.us	PS04189	dnsh	-121.9891025	47.1927946
PS04189	Lateral A East of Biale	apexmer	65	cloudy	GTweek	active	clear	570	20		8/15/24 14:42	8/15/24 14:42	apexmer@atlantia.wa.us	PS04189	dnsh	-121.9891025	47.1927946
PS04190	Lateral A Upstream Biale	apexmer	53	in	current	active	clear	0	40		9/29/21 17:15	10/1/21 20:45	apexmer@atlantia.wa.us	PS04190	dnsh	-121.9891025	47.1927946
PS04190	Lateral A Upstream Biale	apexmer	58	partlyBunny	L Tweek	active	clear	0	0		11/18/21 15:49	11/18/21 15:49	apexmer@atlantia.wa.us	PS04190	dnsh	-121.9891025	47.1927946
PS04190	Lateral A Upstream Biale	apexmer	58	partlyBunny	GTweek	active	clear	260	0		7/21/22 14:35	7/21/22 14:35	apexmer@atlantia.wa.us	PS04190	dnsh	-121.9891025	47.1927946
PS04190	Lateral A Upstream Biale	apexmer	53	cloudy	L Tweek	active	clear	140	0	Ducks upstream	9/16/24 15:55	9/16/24 15:55	apexmer@atlantia.wa.us	PS04190	dnsh	-121.9891025	47.1927946
PS04190	Lateral A Upstream Biale	apexmer	63	cloudy	GTweek	active	clear	0	0	0 Follow-Up C-Cell Testing	7/25/24 17:33	7/25/24 17:33	apexmer@atlantia.wa.us	PS04190	dnsh	-121.9891025	47.1927946
PS04191	Lateral A Upstream Biale	apexmer	53	partlyCloudy	26048	active	clear	0	0		9/20/21 17:15	10/1/21 20:47	apexmer@atlantia.wa.us	PS04191	dnsh	-121.9891025	47.1927946
PS04191	Lateral A Upstream Biale	apexmer	55	partlyCloudy	0	active	clear	0	0		9/20/21 17:30	9/20/21 17:30	apexmer@atlantia.wa.us	PS04191	dnsh	-121.9891025	47.1927946
PS04192	Just downstream of Outfall	apexmer	70	cloudy	GTweek	active	clear	460	0	None	8/18/22 14:55	8/18/22 14:55	apexmer@atlantia.wa.us	PS04192	dnsh	-121.9891025	47.1927946
PS04192	Just downstream of Outfall	apexmer	75	cloudy	GTweek	active	clear	0	0	0 Follow-Up C-Cell Testing	7/25/24 17:36	7/25/24 17:36	apexmer@atlantia.wa.us	PS04192	dnsh	-121.9891025	47.1927946
PS04193	Lateral A Upstream Biale	apexmer	54	partlyCloudy	26048	active	clear	0	0		9/20/21 17:30	10/1/21 21:02	apexmer@atlantia.wa.us	PS04193	dnsh	-121.9891025	47.1927946
PS04193	Lateral A Upstream Biale	apexmer	54	partlyCloudy	0	active	clear	0	0		9/20/21 17:30	10/1/21 20:50	apexmer@atlantia.wa.us	PS04193	dnsh	-121.9891025	47.1927946
PS04194	Sample in down hill Clay Tye	apexmer	54	partlyCloudy	26048	active	clear	0	0		11/18/21 15:41	11/18/21 15:41	apexmer@atlantia.wa.us	PS04194	dnsh	-121.9891025	47.1927946
PS04195	Let A downstream of seepage from bank	apexmer	63	partlyCloudy	GTweek	active	clear	20	0	0 Follow-Up C-Cell Testing	7/25/24 17:29	7/25/24 17:29	apexmer@atlantia.wa.us	PS04195	dnsh	-121.9891025	47.1927946
PS04195	Let A downstream of seepage from bank	apexmer	63	partlyCloudy	0	active	clear	0	0	Very small trickle of flow from pipe	21/7/22 16:04	21/7/22 16:04	apexmer@atlantia.wa.us	PS04195	dnsh	-121.9891025	47.1927946
PS04196	Elk Meadows Bypass Bottle #1 & 3 Bypass	apexmer	46	partlyCloudy	GTweek	active	clear	0	0	Very small trickle of flow from pipe	21/7/22 16:04	21/7/22 16:04	apexmer@atlantia.wa.us	PS04196	dnsh	-121.9891025	47.1927946
PS04196	Elk Meadows Bypass Bottle #1 & 3 Bypass	apexmer	46	partlyCloudy	0	active	clear	0	20		2/28/22 15:22	2/28/22 15:22	apexmer@atlantia.wa.us	PS04196	dnsh	-121.9891025	47.1927946
PS04197	E-Cell South of Schmidt Bottle #7	apexmer	48	cloudy	L Tweek	active	clear	60	0		21/7/22 16:15	21/7/22 16:15	apexmer@atlantia.wa.us	PS04197	dnsh	-121.9891025	47.1927946
PS04197	E-Cell South of Schmidt Bottle #7	apexmer	48	cloudy	L Tweek	active	clear	0	0		21/7/22 16:15	21/7/22 16:15	apexmer@atlantia.wa.us	PS04197	dnsh	-121.9891025	47.1927946
PS04197	East side of Schmidt Bottle #8	apexmer	45	partlyBunny	GTweek	active	clear	210	0		10/20/22 15:27	10/20/22 15:27	apexmer@atlantia.wa.us	PS04197	dnsh	-121.9891025	47.1927946
PS04198	Waner South Ditch	apexmer	54	in	current	active	slightlyTurbid	20	20		2/28/22 16:30	2/28/22 16:30	apexmer@atlantia.wa.us	PS04198	dnsh	-121.9891025	47.1927946
PS04198	Waner South Ditch	apexmer	54	in	current	active	slightlyTurbid	80	0		2/28/22 21:39	2/28/22 21:39	apexmer@atlantia.wa.us	PS04198	dnsh	-121.9891025	47.1927946
PS04199	Newsum Parallel Ditch	apexmer	54	in	current	active	slightlyTurbid	360	0		2/28/22 21:23	3/2/22 16:28	apexmer@atlantia.wa.us	PS04199	dnsh	-121.9891025	47.1927946
PS04199	Newsum Parallel Ditch	apexmer	54	partlyCloudy	LT24	active	clear	120	0		3/1/22 16:23	3/1/22 16:23	apexmer@atlantia.wa.us	PS04199	dnsh	-121.9891025	47.1927946
PS04199	Newsum Parallel Ditch	apexmer	51	in	current	active	slightlyTurbid	180	Active Flow		12/6/23 16:02	12/6/23 16:02	apexmer@atlantia.wa.us	PS04199	dnsh	-121.9891025	47.1927946
PS04199	Newsum Parallel Ditch	apexmer	61	partlyCloudy	GTweek	active	clear	1000	0		3/2/22 16:14	3/2/22 16:14	apexmer@atlantia.wa.us	PS04199	dnsh	-121.9891025	47.1927946
PS04199	Newsum Parallel Ditch	apexmer	45	cloudy	LT24	active	clear	40	0		10/17/24 15:59	10/17/24 15:59	apexmer@atlantia.wa.us	PS04199	dnsh	-121.9891025	47.1927946
PS04200	Upstream Newsum Creek	apexmer	53	in	current	active	modTurbid	0	80		2/28/22 21:26	2/28/22 21:26	apexmer@atlantia.wa.us	PS04200	dnsh	-121.9891025	47.1927946
PS04200	Upstream Newsum Creek	apexmer	54	partlyCloudy	LT24	active	clear	0	0		3/1/22 16:23	3/1/22 16:23	apexmer@atlantia.wa.us	PS04200	dnsh	-121.9891025	47.1927946
PS04200	Upstream Newsum Creek	apexmer	51	in	current	active	modTurbid	60	Active Flow		12/6/23 16:03	12/6/23 16:03	apexmer@atlantia.wa.us	PS04200	dnsh	-121.9891025	47.1927946
PS04201	Downstream Newsum Creek	apexmer	53	in	current	active	modTurbid	60	0		2/28/22 21:29	2/28/22 21:29	apexmer@atlantia.wa.us	PS04201	dnsh	-121.9891025	47.1927946
PS04201	Downstream Newsum Follow Up	apexmer	51	partlyCloudy	LT24	active	clear	0	0		3/1/22 16:23	3/1/22 16:23	apexmer@atlantia.wa.us	PS04201	dnsh	-121.9891025	47.1927946
PS04201	Downstream Newsum Follow Up	apexmer	51	partlyCloudy	0	active	modTurbid	50	Active Flow		12/6/23 16:03	12/6/23 16:03	apexmer@atlantia.wa.us	PS04201	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	39	partlyCloudy	LT24	active	clear	0	0	Active Flow	11/17/24 15:43	11/17/24 15:43	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	39	partlyCloudy	0	active	clear	0	0	Active Flow	12/21/23 16:46	12/21/23 16:46	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	41	in	current	active	clear	0	180	Active Flow	1/19/24 18:38	1/19/24 18:38	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	38	in	current	active	clear	390	0	Sewer smell, Bottle Number 1 Used	1/19/24 18:40	1/19/24 18:40	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	45	in	current	active	clear	0	0		12/24/24 18:48	12/24/24 18:48	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	40	in	current	active	clear	2200	0		2/28/24 23:59	2/28/24 23:59	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	53	in	current	active	clear	80	0		2/28/24 23:07	2/28/24 23:07	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	53	cloudy	L Tweek	active	clear	60	0	No Small, slight trickle	9/16/24 16:05	9/16/24 16:05	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	58	partlyCloudy	LT24	active	clear	0	0		6/27/24 15:36	6/27/24 15:36	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	64	kmny	GTweek	active	clear	0	0		7/18/24 16:25	7/18/24 16:25	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	50	kmny	26048	active	clear	0	0	Sampled dips from end of pipe			apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	45	partlyBunny	GTweek	active	clear	300	0	Small/line sewer, Actual Reat TNTC	11/26/24 21:29	11/26/24 21:29	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	45	cloudy	LT24	active	clear	500	0				apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	53	partlyCloudy	LT24	active	clear	0	0	No water smell	10/25 16:33	10/25 16:33	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04202	Discharge Pipe	apexmer	39	partlyCloudy	LT24	active	clear	0	0	150 Cameron's Scott Sampling	18/25 16:34	18/25 16:34	apexmer@atlantia.wa.us	PS04202	dnsh	-121.9891025	47.1927946
PS04203	pipe coming from Farm Property	apexmer	39	partlyCloudy	LT24	active	slightlyTurbid	200	Active Flow		12/18/23 21:17	12/18/23 21:17	apexmer@atlantia.wa.us	PS04203	dnsh	-121.9891025	47.1927946
PS04203	pipe coming from Farm Property	apexmer	41	in	current	active	slightlyTurbid	0	0	Active Flow	12/21/23 16:44	12/21/23 16:44	apexmer@atlantia.wa.us	PS04203	dnsh	-121.9891025	47.1927946
PS04203	pipe coming from Farm Property	apexmer	41	in	current	active	clear	140	0	Sewer Smell, bottle #6 used	1/19/24 18:38	1/19/24 18:38	apexmer@atlantia.wa.us	PS04203	dnsh	-121.9891025	47.1927946
PS04203	North turn sub	apexmer	45	in	current	active	clear	1300	0		1/19/24 18:44	1/19/24 18:44	apexmer@atlantia.wa.us	PS04203	dnsh	-121.9891025	47.1927946
PS04203	North turn sub	apexmer	45	in	current	active	clear	0	0		12/24/24 19:22	12/24/24 19:22	apexmer@atlantia.wa.us	PS04203	dnsh	-121.9891025	47.1927946
PS04203	North turn sub	apexmer	49	in	current	active	clear	0	0		2/28/24 23:00	2/28/24 23:00	apexmer@atlantia.wa.us	PS04203	dnsh	-121.9891025	