

Core Area Inflow & Infiltration Program 2019 Report

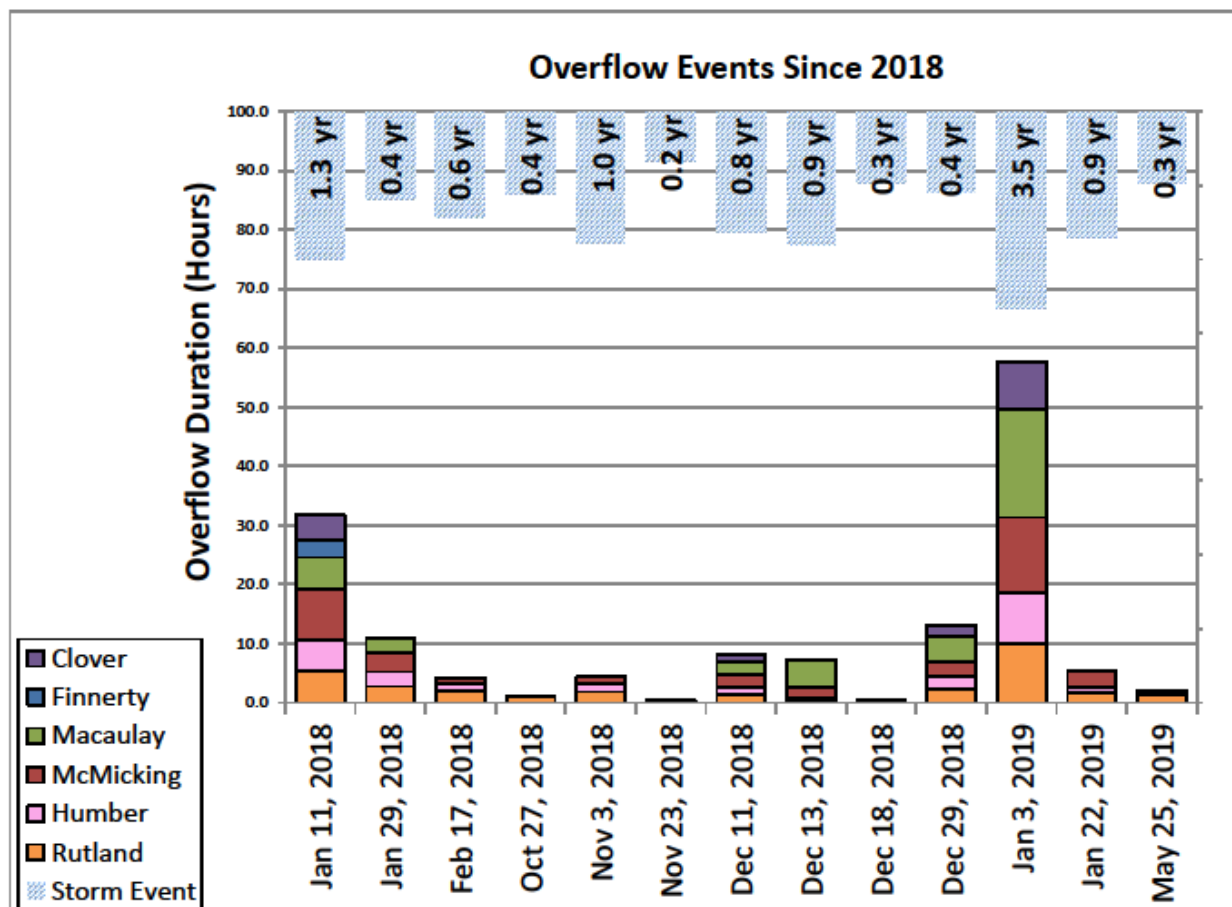
Additional Information – Overflow Charts

Core Area Liquid Waste Management Committee
October 16, 2019

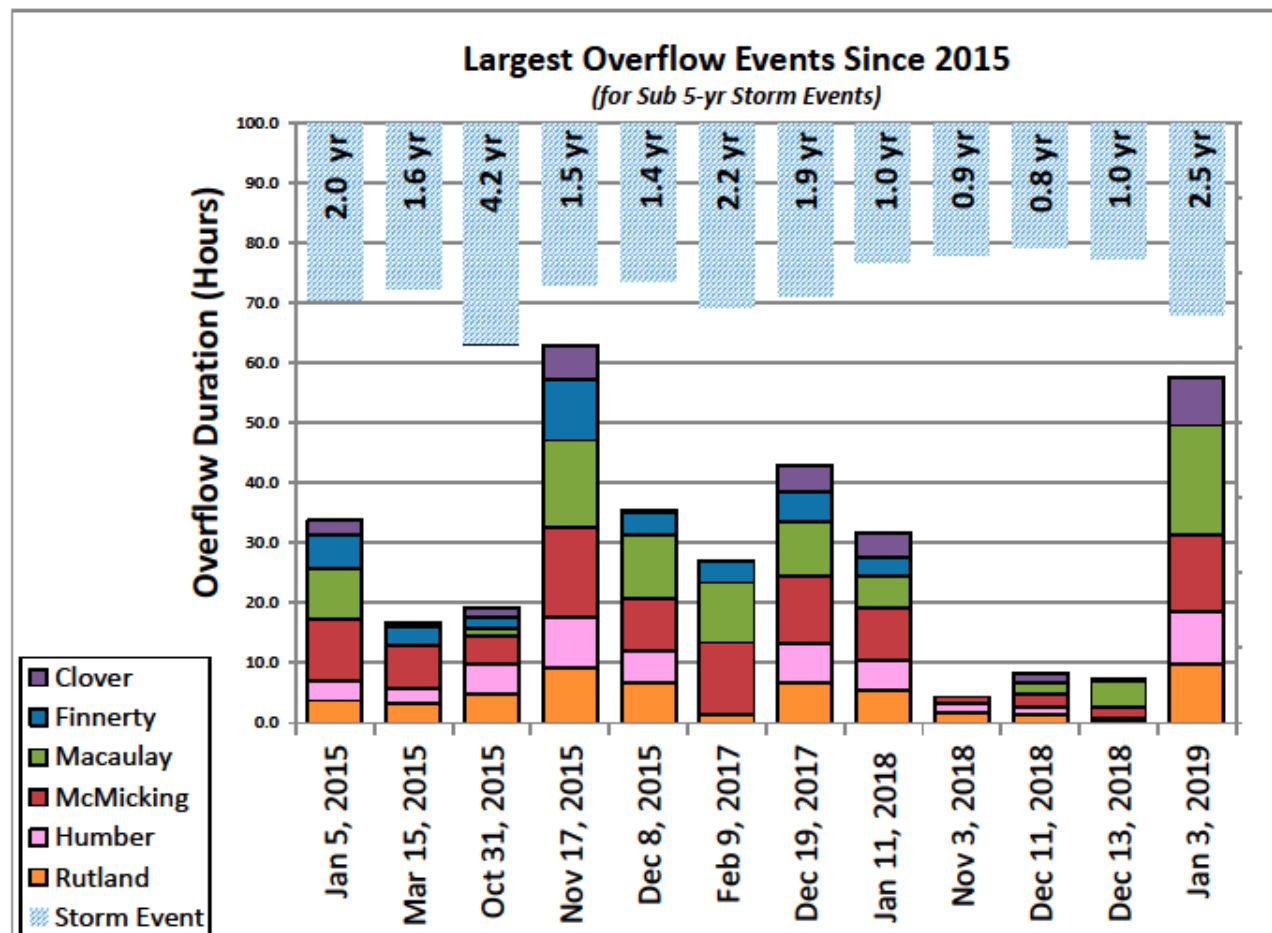
Overflow Events 2018-2019



Making a difference...together



Largest Overflow Events 2015-2019



Peak Overflows NET-ECI 2021 and 2030

Table 7-2: NET/ECI 2021 Peak Overflows and Volumes at Key Locations

Location	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
Arbutus Storage Tank	-	1,910 m ³	3,490 m ³	5,000+ m ³	5,000+ m ³	5,000+ m ³
Finnerty Outfall (From Arbutus)	-	-	-	487 L/s 2,400 m ³	548 L/s 4,380 m ³	487 L/s 7,430 m ³
Bowker Overflow	-	-	-	-	-	-
Broom Overflow	-	-	-	-	-	-
McMicking Outfall (From Currie PS)	-	-	-	24 L/s 10 m ³	412 L/s 2,200 m ³	533 L/s 5,020 m ³
Clover Deep Outfall (Pumped)	1,570 L/s 33,000 m ³	2,199 L/s 58,720 m ³	2,454 L/s 76,740 m ³	2,500 L/s 99,040 m ³	2,500 L/s 111,310 m ³	2,500 L/s 122,800 m ³
Clover Short Outfall	-	-	-	465 L/s 2,520 m ³	580 L/s 5,190 m ³	818 L/s 8,470 m ³

Table 7-3: NET/ECI 2030 Peak Overflows and Volumes at Key Locations

Location	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
Arbutus Storage Tank	-	2,010 m ³	4,440 m ³	5,000+ m ³	5,000+ m ³	5,000+ m ³
Finnerty Outfall (From Arbutus)	-	-	-	496 L/s 2,570 m ³	550 L/s 4,860 m ³	615 L/s 8,260 m ³
Bowker Overflow	-	-	-	-	-	-
Broom Overflow	-	-	-	-	-	-
McMicking Outfall (From Currie PS)	-	-	-	111 L/s 180 m ³	453 L/s 1,920 m ³	516 L/s 4,790 m ³
Clover Deep Outfall (Pumped)	1,540 L/s 32,740 m ³	2,123 L/s 57,900 m ³	2,461 L/s 76,000 m ³	2,500 L/s 98,310 m ³	2,500 L/s 111,710 m ³	2,500 L/s 121,700 m ³
Clover Short Outfall	-	-	-	504 L/s 2,480 m ³	635 L/s 5,030 m ³	807 L/s 8,420 m ³