

Effect of Rain Timing on Available Phosphate AP and Electrical Conductivity (salts) EC: Triggers at Jan 2013

Electrical conductivity proposed trigger for still Ck at Mansfield Rd 900 and all other sites 500, not updated from Jan 2013

Still Ck Exit			Mansfield Rd Still Ck			Charltons Ck		
Rain	Volume	EC	Rain	Volume	EC	Rain	Volume	EC
within 24 hours	heavy	190	> 7 days	light	500	> 7 days	light	390
within 24 hours	medium	220	1 - 3 days	heavy	260	within 24 hours	heavy	220
within 24 hours	medium	230	within 24 hours	light	270	within 24 hours	heavy	240
1 - 7 days	light	240	1 - 3 days	heavy	280	within 24 hours	heavy	260
4 - 7 days	Medium	240	1 - 3 days	light	300	within 24 hours	medium	280
1 - 7 days	medium	250	1 - 3 days	light	340	within 24 hours	light	300
4 - 7 days		250	within 24 hours	heavy	340	> 7 days		300
1 - 3 days	light	260	4 - 7 days		370	1 - 3 days	light	310
> 7 days		260	1 - 7 days	medium	380	within 24 hours	light	310
> 7 days	heavy	280	1 - 7 days	light	390	1 - 7 days	medium	310
> 7 days		280	4 - 7 days		390	within 24 hours	medium	310
within 24 hours	medium	290	within 24 hours	medium	410	> 7 days		310
4 - 7 days	light	300	4 - 7 days	heavy	410	4 - 7 days	medium	320
within 24 hours	light	300	4 - 7 days	light	430	within 24 hours	medium	320
4 - 7 days	heavy	300	> 7 days	heavy	430	within 24 hours	medium	320
> 7 days	light	310	4 - 7 days		460	within 24 hours	medium	320
> 7 days		310	1 - 7 days	light	470	1 - 7 days	medium	330
within 24 hours	light	320	4 - 7 days	medium	470	1 - 7 days	heavy	330
1 - 3 days	medium	320	4 - 7 days		470	4 - 7 days	light	340
> 7 days		320	> 7 days	light	480	within 24 hours	medium	340
4 - 7 days		320	> 7 days		480	> 7 days		340
within 24 hours	light	330	4 - 7 days	light	510	> 7 days		340
1 - 3 days	medium	330	1 - 3 days	light	520	1 - 3 days	medium	350
> 7 days	light	350	> 7 days	light	540	> 7 days		350
1 - 3 days	light	350	within 24 hours	light	550	within 24 hours	light	360
1 - 3 days	light	360	1 - 3 days	light	560	within 24 hours	light	360
4 - 7 days	light	360	> 7 days		570	1 - 3 days	light	370
within 24 hours	light	360	> 7 days	light	580	1 - 7 days	light	370
within 24 hours	light	360	> 7 days		580	4 - 7 days	light	370
> 7 days		360	within 24 hours	light	590	1 - 3 days	medium	370
> 7 days	light	370	within 24 hours	light	590	1 - 3 days	medium	370
4 - 7 days	light	370	1 - 7 days	light	620	> 7 days		370
1 - 3 days	medium	370	1 - 3 days	light	640	within 24 hours	light	380
> 7 days		380	> 7 days		660	1 - 3 days	medium	380
4 - 7 days	light	390	> 7 days	light	680	> 7 days		380
4 - 7 days	light	390	4 - 7 days	light	680	> 7 days		380
within 24 hours	light	390	> 7 days		680	4 - 7 days	light	390
1 - 7 days	light	400	within 24 hours	light	700	within 24 hours	light	390
> 7 days		410	4 - 7 days	light	720	1 - 7 days	medium	390
within 24 hours	light	420	within 24 hours	light	840	1 - 7 days	medium	390
> 7 days		450				1 - 7 days	medium	390
> 7 days	light	460				> 7 days		390
> 7 days	light	490				1 - 7 days	medium	400
						> 7 days		400
						1 - 7 days	light	410
						4 - 7 days	light	430
						1 - 3 days	light	440
Mean	All	331	Mean	All	504	Mean	All	349
Standard Deviation	All	67	Standard Deviation	All	138	Standard Deviation	All	47

Phosphates proposed trigger for mid-catchment sites 0.10 except for heavy rain in last 24 hours 0.35

Phosphates proposed trigger for catchment exit site 0.07

Still Ck Exit			Mansfield Rd Still Ck			Charltons Ck		
Rain	Volume	AP	Rain	Volume	AP	Rain	Volume	AP
4 - 7 days	light	0	1 - 3 days	light	0	4 - 7 days	light	0
> 7 days	light	0	4 - 7 days		0	within 24 hours	light	0
1 - 3 days	light	0	> 7 days	light	0.01	within 24 hours	light	0
4 - 7 days	light	0	1 - 3 days	light	0.01	1 - 3 days	medium	0
4 - 7 days	light	0	1 - 7 days	light	0.01	> 7 days		0
within 24 hours	light	0	4 - 7 days	light	0.01	> 7 days		0
within 24 hours	light	0	within 24 hours	light	0.01	within 24 hours	light	0.01
within 24 hours		0	> 7 days		0.01	1 - 3 days	medium	0.01
4 - 7 days	light	0.01	> 7 days		0.01	1 - 7 days	medium	0.01

1 - 7 days	medium	0.01	> 7 days	light	0.02	1 - 7 days	medium	0.01
1 - 3 days	medium	0.01	> 7 days	light	0.02	1 - 7 days	medium	0.01
within 24 hours		0.01	1 - 3 days	light	0.02	> 7 days		0.01
> 7 days		0.01	1 - 7 days	light	0.02	> 7 days		0.01
> 7 days	light	0.02	4 - 7 days	light	0.02	1 - 3 days	light	0.02
> 7 days	light	0.02	> 7 days		0.02	4 - 7 days	light	0.02
4 - 7 days	light	0.02	within 24 hours	light	0.03	1 - 7 days	medium	0.02
4 - 7 days	light	0.02	within 24 hours	light	0.03	> 7 days		0.02
within 24 hours	light	0.02	within 24 hours	light	0.03	> 7 days		0.02
within 24 hours	Medium	0.02	within 24 hours	medium	0.03	1 - 3 days	light	0.03
4 - 7 days		0.02	> 7 days		0.03	1 - 7 days	light	0.03
> 7 days		0.02	> 7 days	light	0.04	1 - 3 days	medium	0.03
> 7 days	light	0.03	> 7 days	light	0.04	> 7 days		0.03
> 7 days	medium	0.03	4 - 7 days	light	0.04	> 7 days		0.03
1 - 3 days	medium	0.03	> 7 days	heavy	0.04	4 - 7 days	light	0.04
1 - 3 days	heavy	0.03	> 7 days		0.04	4 - 7 days	light	0.04
4 - 7 days		0.03	4 - 7 days		0.04	within 24 hours	light	0.04
> 7 days	light	0.04	1 - 3 days	light	0.05	within 24 hours	light	0.04
1 - 3 days	light	0.04	4 - 7 days		0.05	> 7 days		0.04
1 - 3 days	medium	0.04	4 - 7 days		0.05	> 7 days		0.04
1 - 7 days	medium	0.04	4 - 7 days	light	0.06	1 - 3 days	light	0.05
within 24 hours	heavy	0.04	within 24 hours	light	0.06	1 - 7 days	light	0.05
> 7 days		0.04	1 - 7 days	medium	0.06	within 24 hours	medium	0.05
> 7 days		0.04	4 - 7 days	medium	0.06	within 24 hours	light	0.06
4 - 7 days	light	0.05	4 - 7 days	heavy	0.08	1 - 7 days	medium	0.06
> 7 days	light	0.05	1 - 3 days	light	0.1	within 24 hours	medium	0.06
> 7 days	light	0.05	1 - 7 days	light	0.1	within 24 hours	medium	0.06
within 24 hours		0.05	within 24 hours	heavy	0.1	1 - 7 days	heavy	0.06
> 7 days	light	0.06	within 24 hours	light	0.13	1 - 3 days	medium	0.07
1 - 7 days	light	0.06	1 - 3 days	heavy	0.15	1 - 7 days	medium	0.07
within 24 hours		0.06	1 - 3 days	heavy	0.15	4 - 7 days	medium	0.07
> 7 days	medium	0.07				> 7 days	light	0.09
within 24 hours	heavy	0.09				within 24 hours	medium	0.09
within 24 hours	light	0.1				within 24 hours	medium	0.1
						within 24 hours	medium	0.15
						within 24 hours	heavy	0.3
						within 24 hours	heavy	0.32
						within 24 hours	heavy	0.36
Standard Deviation	All	0.03	Mean	All	0.04	Mean	All	0.06
Mean	All	0.02	Standard Deviation	All	0.04	Standard Deviation	All	0.08