In-stream Water Quality Guidelines for the Wilge River Catchment
Jordaanspruit (WJ, WJA, S-BETH)

Variables	Measured as	Ideal Catchment Background	Acceptable Management Target	Tolerable Interim Target	Unacceptable
Physical					
Conductivity	mS/m	< 10	10 - 30	30 - 45	> 45
pH	pH units	6.4 - 8.5			< 6.4; > 8.5
Organic					
Chemical Oxygen Demand (COD)	mg/l	< 10	10 - 20	20 - 35	> 35
Macro Elements					
Ammonia (NH_4)	mg/l	< 0.05	0.05 - 0.1	0.1 - 0.2	> 0.2
Chloride (Cl)	mg/l	< 10	10 - 25	25 - 45	> 45
Fluoride (F)	mg/l	<0.05	0.05 - 0.10	0.1 - 0.2	>0.2
Alkalinity	CaCO3 mg/l	< 30	30 - 80	80 - 120	> 120
Nitrate (NO_3)	mg/l	< 0.25	0.25 - 0.50	0.50 - 0.75	> 0.75
Phosphate (PO_4)	mg/l	< 0.05	0.05 - 0.15	0.15 - 0.30	> 0.30
Sulphate (SO_4)	mg/l	< 10	10 - 20	20 - 30	> 30
Bacteriological					
Faecal coliforms	counts/100ml	<10	10 - 60	60 - 120	>120

In-stream Water Quality Guidelines for the Wilge River Catchment
Elands River (WE, EQQ, S-QWAQWA)

Variables	Measured as	Ideal Catchment Background	Acceptable Management Target	Tolerable Interim Target	Unacceptable
Physical					
Conductivity	mS/m	< 10	10 - 20	20 - 35	> 35
pH	pH units	6.4 - 8.5			< 6.4; > 8.5
Organic					
Chemical Oxygen Demand (COD)	mg/l	< 5	5 - 15	15 - 25	> 25
Macro Elements					
Ammonia (NH_4)	mg/l	< 0.05	0.05 - 0.10	0.1 -0.2	> 0.2
Chloride (Cl)	mg/l	< 5	5 - 10	10 - 15	> 15
Fluoride (F)	mg/l	< 0.05	0.05 - 0.10	0.1 -0.2	> 0.2
Alkalinity	CaCO3 mg/l	< 30	30 - 80	80 - 120	> 120
Nitrate (NO_3)	mg/l	< 0.25	0.25 - 0.50	0.5 - 1.0	> 1
Phosphate (PO_4)	mg/l	< 0.05	0.05 -0.25	0.25 -0.50	> 0.50
Sulphate (SO_4)	mg/l	< 5	5 - 10	10 - 15	> 15
Bacteriological					
Faecal coliforms	counts/100ml	<10	10 - 60	60 - 120	>120

In-stream Water Quality Guidelines for the Wilge River Catchment
Middle Wilge (WAF, WF, WC)

Variables	Measured as	Ideal Catchment Background	Acceptable Management Target	Tolerable Interim Target	Unacceptable
Physical					
Conductivity	mS/m	< 10	10 - 30	30 - 45	> 45
pH	pH units	6.4 - 8.5			< 6.4; > 8.5
Organic					
Chemical Oxygen Demand (COD)	mg/l	< 5	5 - 15	15 - 25	> 25
Macro Elements					
Ammonia (NH_4)	mg/l	< 0.05	0.05 - 0.10	0.1 - 0.2	> 0.2
Chloride (Cl)	mg/l	< 5	5 - 10	10 - 15	> 15
Fluoride (F)	mg/l	< 0.05	0.05 - 0.10	0.1 - 0.2	> 0.2

Alkalinity	CaCO3 mg/l	< 30	30 - 80	80 - 120	> 120
Nitrate (NO_3)	mg/l	< 0.1	0.1 - 0.2	0.2 - 0.3	> 0.3
Phosphate (PO_4)	mg/l	< 0.05	0.05 - 0.15	0.15 - 0.3	> 0.3
Sulphate (SO_4)	mg/l	< 5	5 - 10	10 - 15	> 15
Bacteriological					
Faecal coliforms	counts/100ml	<10	10 - 60	60 - 120	>120

In-stream Water Quality Guidelines for the Wilge River Catchment
Ash River (WLA, WLB, WLS)

Variables	Measured as	Ideal Catchment Background	Acceptable Management Target	Tolerable Interim Target	Unacceptable
Physical					
Conductivity	mS/m	< 10	10 - 15	15 - 20	> 20
pH	pH units	6.4 - 8.5			< 6.4; > 8.5
Organic					
Chemical Oxygen Demand (COD)	mg/l	< 5	5 - 15	15 - 25	> 25
Macro Elements					
Ammonia (NH_4)	mg/l	< 0.05	0.05 - 0.10	0.1 -0.2	> 0.2
Chloride (Cl)	mg/l	< 5	5 - 10	10 - 15	> 15
Fluoride (F)	mg/l	< 0.05	0.05 - 0.10	0.1 -0.2	> 0.2
Alkalinity	CaCO3 mg/l	< 20	20 - 40	40 - 60	> 60
Nitrate (NO_3)	mg/l	< 0.1	0.1 - 0.2	0.2 - 0.3	> 0.3
Phosphate (PO_4)	mg/l	< 0.05	0.05 - 0.15	0.15 - 0.30	> 0.3
Sulphate (SO_4)	mg/l	< 5	5 - 10	10 - 15	> 15
Bacteriological					
Faecal coliforms	counts/100ml	<10	10 - 60	60 - 120	>120

In-stream Water Quality Guidelines for the Wilge River Catchment
Upper Wilge (WAH,WH,WMW,WM,MR,WN,STERK,S-HSW,S-TSIAME)

Variables	Measured as	Ideal Catchment Background	Acceptable Management Target	Tolerable Interim Target	Unacceptable
Physical					
Conductivity	mS/m	< 10	10 - 20	20 - 35	> 35
pH	pH units	6.4 - 8.5			< 6.4; > 8.5
Organic					
Chemical Oxygen Demand (COD)	mg/l	< 5	5 - 15	15 - 25	> 25
Macro Elements					
Ammonia (NH_4)	mg/l	< 0.05	0.05 - 0.10	0.1 -0.2	> 0.2
Chloride (Cl)	mg/l	< 5	5 - 10	10 - 15	> 15
Fluoride (F)	mg/l	< 0.05	0.05 - 0.10	0.1 -0.2	> 0.2
Alkalinity	CaCO3 mg/l	< 30	30 - 50	50 - 70	> 70
Nitrate (NO_3)	mg/l	< 0.1	0.1 - 0.2	0.2 - 0.3	> 0.3
Phosphate (PO_4)	mg/l	< 0.05	0.05 - 0.15	0.15-0.30	> 0.3
Sulphate (SO_4)	mg/l	< 5	5 - 10	10 - 15	> 15
Bacteriological					
Faecal coliforms	counts/100ml	<10	10 - 60	60 - 120	>120

In-stream Water Quality Guidelines for the Wilge River Catchment
Liebenbergsvlei (WL, WLBB, WLR)

Variables	Measured as	Ideal Catchment Background	Acceptable Management Target	Tolerable Interim Target	Unacceptable
Physical					
Conductivity	mS/m	< 10	10 - 30	30 - 45	> 45

pH	pH units	6.4 - 8.5			< 6.4; > 8.5
Organic					
Chemical Oxygen Demand (COD)	mg/l	< 5	5 - 15	15 - 25	> 25
Macro Elements					
Ammonia (NH_4)	mg/l	< 0.05	0.05 - 0.10	0.1 -0.2	> 0.2
Chloride (Cl)	mg/l	< 5	5 - 10	10 - 15	> 15
Fluoride (F)	mg/l	< 0.05	0.05 - 0.10	0.1 -0.2	> 0.2
Alkalinity	CaCO3 mg/l	< 30	30 - 80	80 - 120	> 120
Nitrate (NO_3)	mg/l	< 0.1	0.1 - 0.2	0.2 - 0.3	> 0.3
Phosphate (PO_4)	mg/l	< 0.05	0.05 - 0.15	0.15-0.30	> 0.3
Sulphate (SO_4)	mg/l	< 5	5 - 10	10 - 15	> 15
Bacteriological					
Faecal coliforms	counts/100ml	<10	10 - 60	60 - 120	>120