

Suggested Actions in Response To Low Water For Major Water Use Sectors

Flow Conditions	Municipal Users	Golf Course Users	Agricultural Users	Aggregate Users
Normal Flows	<ul style="list-style-type: none"> ➤ Use these periods to top up municipal water storage. 	<ul style="list-style-type: none"> ➤ Use these periods to top up the water storage on the course 	<ul style="list-style-type: none"> ➤ Use these periods to top up water storage ponds and soil moisture content. 	<ul style="list-style-type: none"> ➤ Stockpile washed materials to create reserves where practical. ➤ Consider drought contingency options when designing/considering future phases.
Below Normal Flows Level 1 Condition <u>Action target</u> Increase awareness. Reduce water use by 10%.	<ul style="list-style-type: none"> ➤ Actively encourage compliance with outdoor water use by-laws ➤ Reduce water withdrawals for park and public lands irrigation by scheduling withdrawals, use of storage 	<ul style="list-style-type: none"> ➤ Make use of water storage on the course. ➤ Withdraw water more slowly over a longer period of time i.e. reduce pumping rate, ➤ Schedule surface water withdrawals with neighboring golf courses. 	<ul style="list-style-type: none"> ➤ Mobilize a local agricultural water users group. ➤ Withdraw water more slowly over a longer period of time eg. reduce pumping rate. ➤ Schedule surface water withdrawals with neighboring water takers 	<ul style="list-style-type: none"> ➤ Where applicable closely monitor operating levels (eg. pond levels). ➤ Reduce non-essential water use. ➤ Increase surveillance of wash operations to identify and correct any water losses. (eg. leaky pipes) ➤ Withdraw surface water more slowly over a longer period of time i.e. reduce pumping rate.
Critically Low Flows Level 2 Condition <u>Action target</u> Reduce water use by 20%. Reduce surface pumping rate by 50%.	<ul style="list-style-type: none"> ➤ Maintain but minimize municipal supply withdrawals ➤ Enforce outdoor water use by-laws ➤ Implement outdoor water use bans where applicable. ➤ Reduce park and public land irrigation through selective watering, scheduling, storage ➤ Report actions taken to Water Response Team 	<ul style="list-style-type: none"> ➤ Reduce water use on selected portions of the course. ➤ Make use of water storage on the course. ➤ Withdraw water more slowly over a longer period of time - reduce pumping rate. ➤ Schedule surface water withdrawals with neighboring golf courses. ➤ Report actions taken to sector representative 	<ul style="list-style-type: none"> ➤ Eliminate non-essential water use. ➤ Further reduce pumping rate, make use of storage. ➤ Irrigate dusk to dawn only. ➤ Collectively co-ordinate surface water takings with other water takers. ➤ Report actions taken to sector representative 	<ul style="list-style-type: none"> ➤ Eliminate non-essential water use. ➤ Further reduce surface water pumping rate. Make use of water storage on site. ➤ Where practical reduce below water excavations. ➤ Report actions taken to sector representative
Extreme Low Flows Level 3 Condition <u>Action Target</u> Reduce water use greater than 20% Reduce surface pumping greater than 50%.	<ul style="list-style-type: none"> ➤ Reduce municipal groundwater withdrawals to stabilize groundwater levels. ➤ Reduce municipal surface water withdrawals to stabilize surface water flows. ➤ Eliminate non-essential water use 	<ul style="list-style-type: none"> ➤ Reduce water use by selected irrigation only. ➤ Stop surface water withdrawals. Rely on storage. ➤ Reduce groundwater withdrawals to stabilize groundwater levels. 	<ul style="list-style-type: none"> ➤ Reduce water use by selected irrigation only. ➤ Implement all feasible measures to reduce stress to streams and groundwater aquifers. 	<ul style="list-style-type: none"> ➤ Further optimize wash water operations as much as practically possible. ➤ Where possible cease surface water withdrawals and use stored water. ➤ Where possible further reduce below water table extraction.
Declared Level 3	<ul style="list-style-type: none"> ➤ Ministry's Discretion to Impose Water Restrictions 	<ul style="list-style-type: none"> ➤ Ministry's Discretion to Impose Water Restrictions 	<ul style="list-style-type: none"> ➤ Ministry's Discretion to Impose Water Restrictions 	<ul style="list-style-type: none"> ➤ Ministry's Discretion to Impose Water Restrictions

Notes

1. The above listed actions are suggestions for voluntary action; an individual's action in response to varying levels of low water will depend on the particular operation or source of water. Each operation is encouraged to develop a Low Water Response Plan particular to its own situation.
2. A particular watershed may progress through the Low Water Levels in response to a number of factors, including streamflow, precipitation and local water use. The local Water Response Team considers all factors when moving between Levels. Actions taken at a specific Level may halt the progression of reduced streamflows.
3. A Level 3 will only be declared when the Provincial Water Directors accept a Water Response Team's recommendation that the local situation cannot be managed through local voluntary action and requires provincial intervention. A Level 3 condition may exist without a Level 3 being declared.