

Appendix 1

Site	Recommendations	By whom
Waterworks Upper	<ul style="list-style-type: none"> • Carry out hydraulic assessment to determine inflows and hydraulic structure capacity requirements 	URS
	<ul style="list-style-type: none"> • CCTV survey to inspect pipe work and culverted watercourses downstream of the Upper reservoir. 	URS
	<ul style="list-style-type: none"> • Inspect condition of all existing valves and visible pipework. 	Specialist Contractor
	<ul style="list-style-type: none"> • Repair the upstream stone pitching where damaged and remove trees on the main embankment revetment. 	BCC
	<ul style="list-style-type: none"> • Monitoring and trimming of trees along return bank to minimise risk of windfall. 	BCC
	<ul style="list-style-type: none"> • Trimming of the by-pass channel growths to allow for inspection 	BCC
	<ul style="list-style-type: none"> • Dredging of by-pass channel and removal of sedimentation from screened connection culvert 	BCC
	<ul style="list-style-type: none"> • Vegetation on the embankment and spillway areas should be removed annually by spraying or strimming to prevent woody plants and brambles becoming established 	BCC
	<ul style="list-style-type: none"> • The grass on the crest, downstream slope and toe areas should be cut at least 4No. times during the growing season, one of which should be immediately before the September inspection. 	BCC
	<ul style="list-style-type: none"> • Rusting on all metal work on bolts, flanges, valves and pipework etc.. should be treated as soon as it is observed. 	Specialist Contractor
	<ul style="list-style-type: none"> • All valves should be tested twice a year, the results of the tests should be recorded and if necessary appropriate remedial action taken 	BCC
	<ul style="list-style-type: none"> • Other maintenance should be undertaken as necessary to ensure that there is no deterioration in the condition of the dam or its related structures and that all channels, grilles and culverts are clear of any debris. 	BCC

Waterworks Lower	<ul style="list-style-type: none"> • Catchment hydraulic assessment to determine inflows and hydraulic structure capacity requirements • CCTV survey to inspect pipework and culverted watercourses downstream of the Upper reservoir • Inspect condition of all existing valves and visible pipework • Dredging of by-pass channel and removal of sedimentation from screened connection culvert. • Vegetation on the embankment and spillway areas should be removed annually by spraying or strimming to prevent woody plants and brambles becoming established. • The grass on the crest, downstream slope and toe areas should be cut at least 4No. times during the growing season, one of which should be immediately before the September inspection • Rusting on all metal work on bolts, flanges, valves and pipework etc should be treated as soon as it is observed. • All valves should be tested twice a year, the results of the tests should be recorded and if necessary appropriate remedial action taken. 	<p>URS</p> <p>URS</p> <p>Specialist Contractor</p> <p>BCC</p> <p>BCC</p> <p>BCC</p> <p>BCC</p> <p>Specialist Contractor</p>
Alexandra Park	<ul style="list-style-type: none"> • Catchment hydraulic assessment to determine inflows and hydraulic structure capacity requirements. • Preparation of an Emergency Action Plan to ensure that the impoundment could be drawn down in the event of an emergency. • Monitoring and trimming of trees along embankment to minimise risk of windfall. • Cracking of spillway wall • Clearance of the spillweir and spillway • Vegetation on the embankment and spillway areas should be removed annually by spraying or strimming to prevent woody plants and brambles becoming established. • The grass on the crest, downstream slope and toe areas should be cut at least 4No. times during the growing season, one of which should be immediately before the September inspection 	<p>URS</p> <p>URS</p> <p>BCC</p> <p>BCC</p> <p>BCC</p> <p>BCC</p> <p>BCC</p>

Boodles Dam	<ul style="list-style-type: none"> • Abandon the impoundment due to unstable nature of ground above which is annually monitored by Doran Consulting • Regularly clear outfall structure. • Vegetation on the upstream slope and spillway areas should be removed annually by spraying or strimming to prevent woody plants and brambles becoming established. Any missing or displaced pitching stones should be repaced after cutting back or removing the vegetation. • The grass on downstream slope and toe areas should be cut at least 4No. times during the growing season, one of which should be immediately before the September inspection • Rusting on all metal work on bolts, flanges, valves and pipework etc should be treated as soon as it is observed. • The drawdown penstock should be tested twice each year, the results of the test recorded and if necessary appropriate remedial action taken. 	Design by BCC and checked by URS BCC BCC BCC BCC Specialist Contractor
Half Moon Lake	<ul style="list-style-type: none"> • Preparation of an Emergency Action Plan to ensure that the impoundment could be drawn down in the event of an emergency. • Vegetation on the upstream slope and spillway areas should be removed annually by spraying or strimming to prevent woody plants and brambles becoming established. Any missing or displaced pitching stones should be repaced after cutting back or removing the vegetation. • The grass on downstream slope and toe areas should be cut at least 4No. times during the growing season, one of which should be immediately before the September inspection • Rusting on all metal work on bolts, flanges, valves and pipework etc should be treated as soon as it is observed. • The overflow penstock should be tested twice each year, the results of the test recorded and if necessary appropriate remedial action taken. 	URS BCC BCC BCC Specialist Contractor