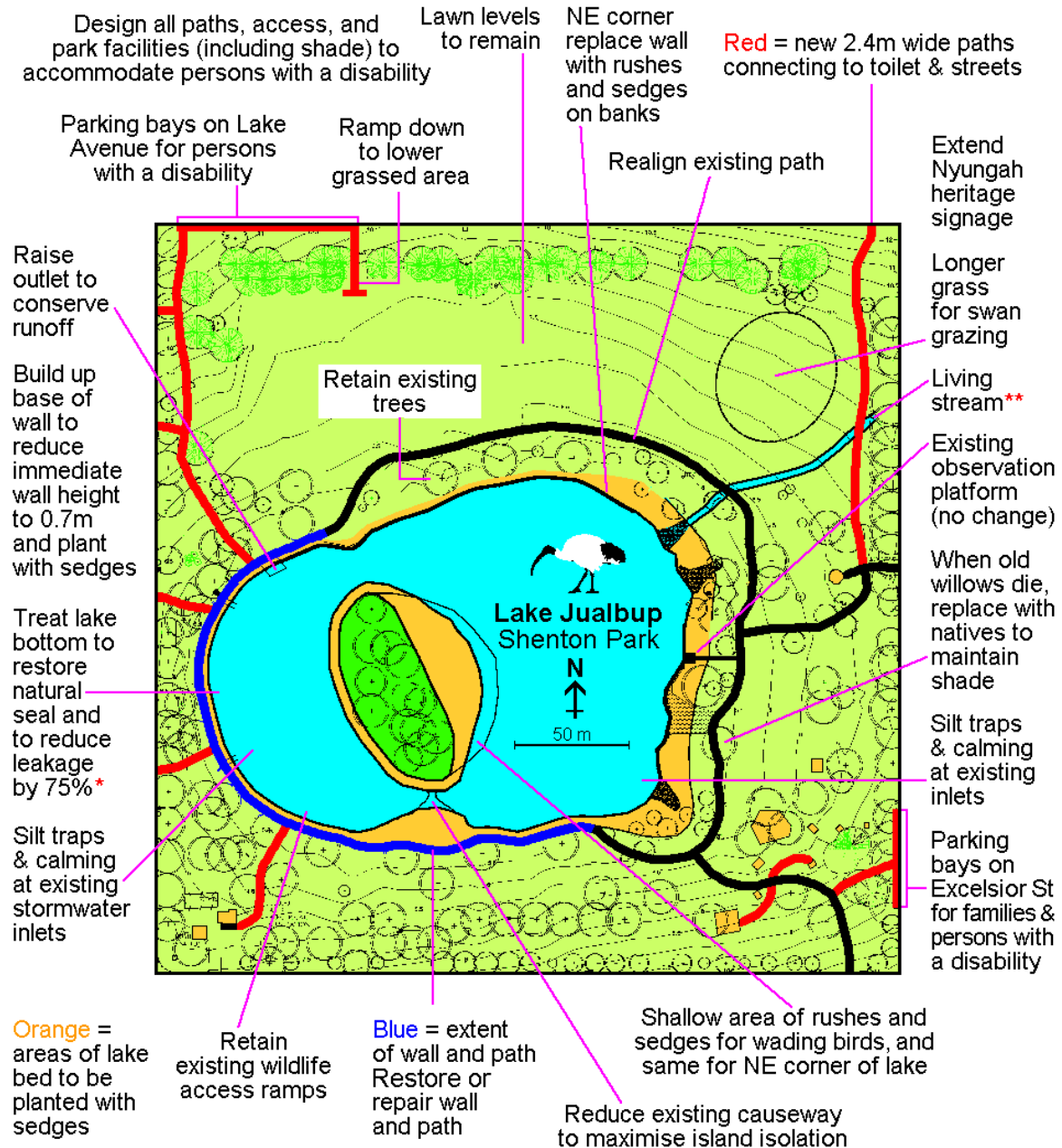


Restoration of Lake Jualbup

adopted by Subiaco council 28 February 2012



Main differences from SoJ proposals are: retaining only the wall shown in blue, realigning path along northern edge, no tiered seating in NW corner, even more reeds and sedges.

***Treating the lake bottom** involves reducing the overall permeability of the lake by around 75%. SoJ's original idea was to achieve this by sprinkling a white insoluble powder on the lake's surface when full. The powder was a polymer that slowly sinks to the bottom, is drawn into porous areas, and expands to reduce permeability. But SoJ subsequently found that the lake leaked mostly through its perimeter sand areas, and not through its largely impermeable sludge areas that occupied up to 80% of the lake area. The sand perimeter was more easily and more efficiently treated by adding a natural clay such as bentonite to the planned buildup of the base next to the walls, whose actual horizontal extent is a matter for experiment. By partially (not completely) reducing permeability, permanent water can be retained in most years. Water will continue to flow to the underlying aquifer but at a slower rate.

****Living stream** is a rocky stream bed densely planted with reeds and sedges over which the road runoff in this area will flow to the lake instead of through an underground pipe. The actual location of the living stream may differ from SoJ's suggestion shown above.