

Lake Ballinger/McAleeer Creek Forum Issues to be addressed by the Strategic Action Plan

Issues

Flooding on Hall Creek, Lake Ballinger and McAleeer Creek

**Siltation and flow levels within the aquatic habitat from headwaters to Lake Ballinger and
downstream to McAleeer Creek**

**Stream concerns related to physical water characteristics such as oxygen, nutrients and
temperature on the aquatic habitat**

**Concerns with algae blooms and nutrients in Lake Ballinger related to aquatic inhabitants and the
human inhabitants**

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Issue

Water Quantity

Flooding on Hall Creek, Lake Ballinger and McAleeer Creek

Siltation and flow levels within the aquatic habitat from headwaters to Lake Ballinger and downstream to McAleeer Creek

Water Quality

Stream concerns related to physical water characteristics such as oxygen, nutrients and temperature on the aquatic habitat

Concerns with algae blooms and nutrients in Lake Ballinger related to aquatic inhabitants and the human inhabitants

Lake Ballinger/McAler Creek Forum Issues to be addressed by the Strategic Action Plan

	Issue	Goal
Water Quantity	Flooding on Hall Creek, Lake Ballinger and McAler Creek	Reduce or eliminate the frequency and severity of flooding on properties
	Siltation and flow levels within the aquatic habitat from headwaters to Lake Ballinger and downstream to McAler Creek	Reduce or eliminate flood effects related to stream health
Water Quality	Stream concerns related to physical water characteristics such as oxygen, nutrients and temperature on the aquatic habitat	Improve water quality by reducing negative impact on physical water characteristics
	Concerns with algae blooms and nutrients in Lake Ballinger related to aquatic inhabitants and the human inhabitants	Improve water quality by reducing negative impact on physical water characteristics

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	Goal	Actions
Water Quantity	Reduce or eliminate the frequency and severity of flooding on properties	<p><u>Structural</u></p> <ul style="list-style-type: none"> • Lower the level of Lake Ballinger • Construct stormwater bypass culverts • Construct regional detention improvements • Construct individual site detention improvements • Create additional stream capacity with culvert improvements • Retrofit existing properties <p><u>Programmatic</u></p> <ul style="list-style-type: none"> • Public Education • Code revisions • Low Impact Development • Property buy outs
	Reduce or eliminate flood effects related to stream health	
Water Quality	Improve water quality by reducing negative impact on physical water characteristics	<p><u>Structural</u></p> <ul style="list-style-type: none"> • Chemical treatment – Alum or other proprietary methods • Construct regional water quality filtering systems • Construct individual site water quality filtering systems <p><u>Programmatic</u></p> <ul style="list-style-type: none"> • NPDES II compliance efforts • Public education on the use of phosphorous related products • Code revisions • Low Impact Development
	Improve water quality by reducing negative impact on physical water characteristics	