



Salmon Safe Park Design Checklist

All Parks

Water Use Management (Irrigation Activities)

The focus of this category is on the use of water for irrigating park vegetation. Water withdrawals have the potential to adversely impact salmonid habitat, primarily by reducing instream flows. Impacts can be minimized by selecting alternative water sources, and by reducing the use of water. Water conservation methods include the use of less water-dependent landscaping, maximizing the efficiency of the application system, and reducing the area irrigated. This category includes two standards:

Standard B.3.1: The selected source of irrigation water results in the least potential impact to instream flows of fish-bearing streams.

YES NO

If no, can the following be implemented or improved?

- i) Withdrawals of surface water sources are managed to avoid impact to salmonids in the source stream during cases of drought.

Notes:

Standard B.3.2: Water conservation measures reduce irrigation water use to the minimum necessary to support maintenance of park system grounds.

YES NO

If no, can the following be implemented or improved?

- i) Low water use landscaping – landscapes are developed that utilize vegetation that requires less dependence on irrigation.
- ii) Expansion of an efficient, modern irrigation system (e.g. Maxicom)

Notes:

Stormwater Management

This category focuses on the management of stormwater runoff. High levels of impervious surface and drainage systems such as roads, gutters, and drain inlets reduce soil infiltration, and

- Channel protection – existing channels are protected from new impacts such as filling and excavation, straightening, unnecessary additional stream crossings, unnecessary removal of wood, or disconnection of off-channel wetlands and ponds.

_____ **YES**

_____ **NO**

If no, can the following conditions be implemented or improved?

- i) Type of bank protection – Stream banks are well stabilized by native vegetation.
- ii) Channelization – The stream has an intact natural channel and floodplain.
- iii) Artificial ponds – Artificial ponds located in stream channels are removed or reconstructed to provide adequate fish passage, habitat, and maintain stream temperatures and oxygen levels within applicable state water quality standards.
- iv) Large wood management – large wood and/or beaver dams provides channel structure and habitat, where feasible.

Notes:

Standard B.1.2. Road and trail crossings of streams that are on park system property and under park jurisdiction have a minimal effect on instream habitat, fish passage, and constriction of flood conveyance.

_____ **YES**

_____ **NO**

If no, Can the following be implemented or improved?

- i) Ensuring that the frequency and placement of crossings contributes to the restoration of riparian habitat and reduction of water quality impacts.
- ii) Replacement of culvert crossing with bridges or natural bottom culverts where feasible and where there are clear benefits for fish.

Notes:

Riparian and Wetland Protection/Restoration

This category applies where streams, wetlands, or their riparian zones occur within park system boundaries. This category applies to a) known and potential fish-bearing streams and b) non-fish bearing perennial or intermittent streams greater than two feet in bankfull width that are connected to fish bearing streams.

Standard B.2.1: Riparian areas are in good condition, functioning to maintain and restore stream health, and provide shade, wood recruitment, leaf litter supply, stream bank stability and cover, and filtration of sediment.

- Riparian zone width – For natural area parklands, impacts on riparian functions affecting water quality, water quantity, food web, microclimate, floodplains, and habitat shall be

minimized within 200 feet of a stream, or within the riparian protection areas cited in adopted local or state plans, whichever distance is larger. Trails are generally an accepted use within these riparian areas unless they are obvious sources of sediment, chemical pollution, or bank instability.

- Vegetation – Riparian zones are dominated by vegetation that provides riparian functions of bank stability and shade, at a minimum.

_____YES

___NO

If no, can the following be implemented or improved?

- i) In developed park lands, improving function of riparian buffers in an area from 50 to 200 feet from the stream channel, depending on site characteristics, with respect to:
 - providing off-channel habitat,
 - improving water quality,
 - providing additional flood storage
 - reducing the impact of invasive species, restoring native vegetation.
- ii) In natural area park lands, enhancing native plant communities.

Notes:

Standard B.2.2: If present, Wetlands connected to known or potential fish-bearing streams are in good condition, providing valuable slow water rearing habitats for juvenile salmonids and helping to filter and moderate flow to downstream areas.

_____YES

_NO

If no, Can the following be implemented or improved?

Restoring naturally occurring wetlands or creating wetlands that improve stream habitat directly or indirectly by:

- providing off-channel salmonid habitat,
- improving water quality,
- providing additional flood storage,
- reducing the impacts of invasive species, and restoring native vegetation.

Notes:

