

Tideman Johnson Park Restoration Project

2009

working for
clean rivers,
healthy
watersheds,
and a livable,
sustainable
community

JOHNSON CREEK WATERSHED

Environmental Services completed the Tideman Johnson Park Restoration Project and Lents Interceptor sewer repair in November 2006. The park is at SE 37th Avenue and SE Tenino Boulevard, just off the Springwater Corridor Trail.



Loop Trail off Springwater Corridor

Environmental Services developed the restoration project to:

- ✓ Protect an exposed sewer pipe crossing Johnson Creek
- ✓ Enhance the streambank to protect it from erosion
- ✓ Reduce fish passage barriers
- ✓ Enhance and restore the floodplain



Exposed interceptor crossing

Lents Interceptor Repair

The Lents Interceptor, built in 1922, conveys wastewater from southeast Portland to a pump station on McLoughlin Boulevard. The interceptor crosses Johnson Creek in Tideman Johnson Park near SE 39th Avenue.

When it was built, the pipe was buried about five feet below the creek bed. As the area developed, increased creek flow due to stormwater runoff exposed the pipe, leaving it vulnerable to floating debris.



Repaired crossing emulates nature

In summer 2006, construction crews diverted 1,700 feet of the creek around the site, encapsulated the

Lents Interceptor with concrete and filled the area below the pipe with grout. They covered the reinforced pipe with rock to build the base of Johnson Creek up over the pipe. The project mimics natural stream dynamics, improved fish and wildlife habitat and cost less than moving the pipe.



ENVIRONMENTAL SERVICES
CITY OF PORTLAND
working for clean rivers

Dan Saltzman, Commissioner
Dean Marriott, Director

Floodplain Restoration

The project included restoring the portion of Johnson Creek within Tideman Johnson Park. Several high flow channels increase stream capacity during flood events. The work included reshaping streambanks, planting 5,300 trees and shrubs and adding large boulders and wood to prevent erosion, slow stream flow, and enhance habitat. A fish salvage, conducted during construction to protect fish, found 22 different species including 23 Chinook salmon and 107 steelhead trout.

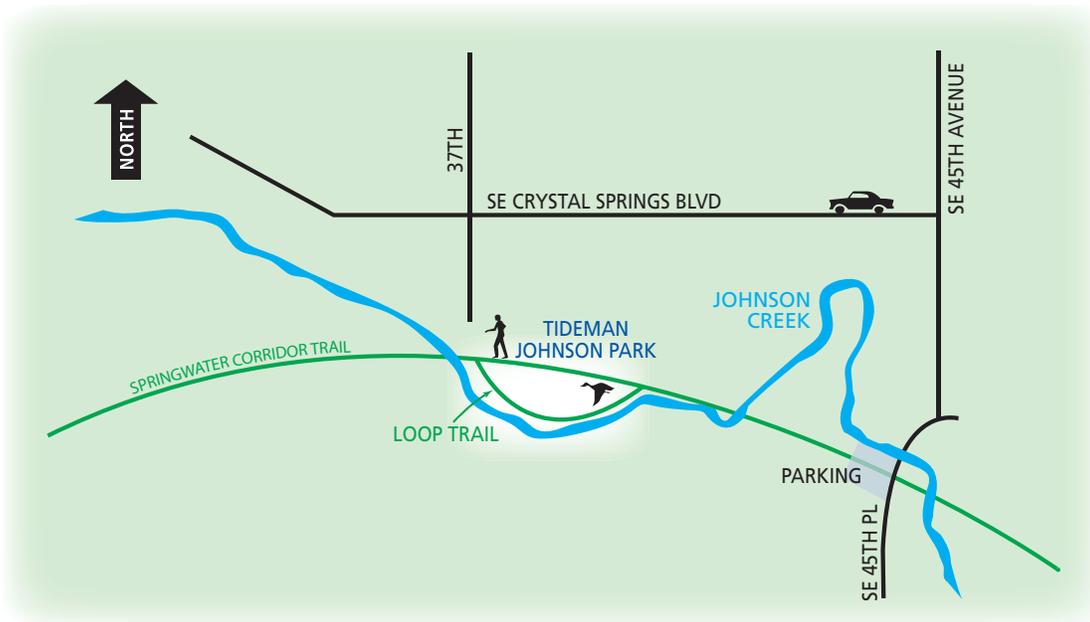
Wetland Overlook Loop Trail

The project also includes a loop trail off of the Springwater Corridor with a boardwalk that protects sensitive areas and overlooks that provide views of the creek and wetlands.



Viewing platform on Loop Trail

Tideman Johnson Park Restoration Project



For More Information

Environmental Services, 503-823-7740
www.portlandonline.com/bes

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