

**Oswego Lake Watershed Council Habitat Enhancement Fund Projects  
FY 14-15 Through FY 17-18**

**Scope of Work for Springbrook Creek at The Hope Community Church  
14788 and 14790 Boones Ferry Road, 14700 Boones Ferry Road (PNA):**



This perennial creek, located in the largest drainage of the Oswego Lake watershed, is adjacent to public right-of-way and heavily infested with invasive plant material. The Church Pastor and the children at the French School on premise are concerned for the trees with their heavy ivy overlay.

We have obtained the cooperation and interest of both the Pastor and Principal for enhancement of this riparian corridor. The scope of work will refrain from work near the children's play area but will restrict this project north of the pedestrian bridge across the creek. Invasive plants will be removed from a forty foot cross section (20 feet from center line) and continue north and west comprising half an acre on both the private Church property and adjacent public right-of-way lands.

Purpose and Benefit: Having a willing owner with a potential volunteer base to draw upon when looking at a site in desperate need of restoration is a healthy combination. Not only does the area receive heavy usage and attention, the work will represent an island of recovery in a larger area of hopeful further stewardship efforts. Pastor Keith Dickerson has manifested ongoing concern and care for the environmental assets on his Church site. With a school using the facilities during the

week, this project also has an educational value and a possible hands-on opportunity for the youth to get directly involved in an area near where they study and recreate. With invasives removed from this riparian area, future work could look at the stream morphology of Springbrook Creek.

Methods: OLWC's intent is to remove as many invasives manually as possible. If any herbicides are needed, care will be utilized to follow City guidelines in effect for treatment near stream corridors. Given this proximity to a school, preference is for 100% manual removal. Invasive species consisting of English ivy and Himalayan blackberry will be composted on site. Native replanting will be heavier in the aquatic and riparian zones. 18,000 square feet of natural open space will be restored.

Schedule: Invasive removal will begin in April and extending to May, 2015, with necessary planting of gallon size native shrubs immediately afterwards. Over 180 hours of labor, volunteer or contracted, will be needed for the removal.

Monitoring and Maintenance: OLWC will work with the property owner and with City maintenance where work is done on the PNA section to help conduct semi-annual evaluations with needed maintenance for a period of three years after completion of the initial scope of work.

Work to be Accomplished: Riparian site will have all ivy removed from the trees and invasive specimens from the aquatic and riparian zones. Native plant replacement will be conducive to enhancing both habitat and hydrological values. Special attention will be given to this site as it approaches Boones Ferry Road corridor so a strong native plant buffering is established.

Deliverables: Quarterly reports

Project Contact: Mike Buck

## Scope of Work for Hallinan Creek Project at 1107 Yates Road:



Hallinan Creek drains into Oswego Creek. Over the last three years, City Natural Resources staff has worked intensely to improve the public lands in this riparian area and a picture is attached, at the end of this document, to show the qualitative difference from the above photo depicting residential property. OLWC would like to continue this restoration work on contiguous private property concentrating on the riparian area and the accompanying buffer. It would seem beneficial to concentrate native planting effort on land adjoining the stream corridor and park boundary rather than on potential residential homesite development closer to the access streets especially if redevelopment looms in the near future.

Purpose and Benefit: Restoration would greatly improve habitat potential and enhance the aesthetic, natural experience for both residents and park users. It makes sense to continue invasive removal where recent work has gone well, serving as a model for further stewardship efforts. Neighborhood volunteers are more likely to contribute efforts in meaningful, productive projects. The area has a good tree canopy and the stream stability would greatly benefit from more native plants.

Methods: Manual invasive removal in the creek with the option of herbicide treatment in outlying areas. Invasive plant material would be composted on site. Native planting commensurate with what Parks and Recreation has planned on the adjacent site would follow invasive eradication.

Schedule: This almost half acre site (20,000 sq. ft.) will require 200 hours of labor for invasive removal and 100 hours for replanting of native specimens. At least 1000 plants will be needed to supplement the present but diminished native plant population. Invasive removal will occur in April and May 2015 with further determination of native planting needed for habitat enhancement.

Monitoring and Maintenance: OLWC will work with the property owner to help conduct semi-annual evaluations with needed maintenance for a period of three years after completion of the initial scope of work.

Work to be Accomplished: Riparian site will have all ivy removed from the trees and invasive specimens from the aquatic and riparian zones. The adjoining natural habitat area will be refurbished with native plant material conducive to enhancing both habitat and hydrological values and reflective of the present upland ecosystem.

Deliverables: Quarterly reports.

Project Contact: Mike Buck

**Scope of Work for Creek by Fairway: 925 Iron Mountain Boulevard, 900 Fairway Road, 910 Fairway Road:**



This perennial water conveyance originates on the Country Club golf course and meanders through three homesites on its way to the lake. The water is used by deer who wander through here so it is a utilized habitat venue. This riparian area has a high percentage of invasive plants (English ivy, shining geranium, and Himalayan blackberry) and though rock helps decrease sedimentation, very few native plants contribute to erosion control or filtration.

The geographical location of this project runs from Iron Mountain Boulevard to Fairway. A twenty foot wide cross-section will be advantageous for creating enhanced riparian integrity with biodiversity of plant vegetation. Since this stream corridor is on three private parcels, the project will be contingent upon owner cooperation and agreement.

Purpose and Benefit: This site has great demonstration value due to the traffic volume on Iron Mountain boulevard and because it is adjacent to the Iron Mountain Trail. Besides good stewardship and aesthetics for the Oswego Lake watershed, this stream would benefit from improved water filtration and flow, and native vegetation will help prevent erosion and sedimentation. New residential development on the west side property has eradicated many of the invasives with

new landscaping. And the property owner to the east has removed the ivy from trees on that site.

Methods: All invasive removal and native planting will be manually accomplished. No mechanical or herbicide treatment will be necessary. Out of deference to these private properties, invasives will have to be removed from the site rather than composted on the premises. OLWC will consult with Parks and Recreation liaison regarding project directives. Caution will be exercised to avoid unnecessary soil disruption near the creek bed; this will be enforced with good supervision of crew.

Schedule: Invasive removal over this 4500 square feet area can be accomplished with 40 hours of labor. Planting will take an additional 20 hours of labor and require a minimum of 250 plants to supplement existing vegetation and provide for stream shading, buffering and erosion control. Invasive removal will occur in April, 2015 with aquatic and riparian native planting occurring in May.

Monitoring and Maintenance: OLWC will work with property owners and help conduct semi-annual evaluations with needed maintenance for a period of three years after completion of the initial scope of work.

Work to be Accomplished: Riparian site will have all ivy removed from the trees and invasive specimens from the aquatic and riparian zones. Native plant replacement will be conducive to enhancing both habitat and hydrological values.

Deliverables: Quarterly Reports.

Project Contact: Mike Buck or Stephanie Wagner

## Schedule Summary

Location	April – June, 2015	July – Sept., 2015	Oct – Nov., 2015	Maintenance
Springbrook	Invasive Removal. Planting of street buffer and slope.	Maintenance and watering every two weeks depending on weather conditions.	Replanting if any native stock has perished.	Continued check with property owners over future maintenance every six months.
Hallinan	Invasive removal. Native planting dependent on determination of regeneration of current stock. Concentration on riparian corridor.	Maintenance and watering every two weeks depending on weather conditions.	Replanting if any native stock has perished.	Continued check with property owners over future maintenance every six months. This site will need updating contingent upon any development plans.
Fairway	Invasive removal. Aquatic and riparian native planting	Maintenance and watering every two weeks depending on weather conditions.	Replanting if any native stock has perished.	Continued check with property owners over future maintenance every six months.