



CITY OF LAKE FOREST PARK

MEMORANDUM

Date: March 30, 2016

Subject: *Western Washington Phase II Municipal Stormwater Permit – Report on description of internal coordination mechanisms (Required by March 31, 2016, S5.A.5.b)*

This memorandum serves to satisfy the Western Washington Phase II Municipal Stormwater Permit (Phase II Permit) requirement that the City of Lake Forest Park provide a written description of internal coordination mechanisms. The internal coordination mechanisms among departments within Lake Forest Park included:

1. A presentation to the entire Public Works crew to insure everyone is receiving the same information. The presentation covers: how to identify an illicit discharge, common examples of an illicit discharge, activities that may result in an illicit discharge, the two types of entry of an illicit discharge, tips to detect an illicit discharge, ways to monitor for an illicit discharge, how to trace an illicit discharge and guidelines to respond to an illicit discharge. The meeting also provides an opportunity for the Public Works Department to share ideas and information about their experiences and the program.
2. The City distributes a tracking sheet for monitoring/reporting an illicit discharge (see Attachment 1). Note: the Public Works crew also uses internal monitoring and tracking sheets for illicit discharges. There is also distribution of pocket, wallet sized "IDDE Reporting Instructions" cards (See Attachment 2) and educational pamphlets for the Public Works crew's to keep in their City vehicles to distribute to citizens with general questions or to individuals who may be committing an illicit discharge and need the proper information to correct their actions (See Attachment 3). All information is also readily available to City employees and residents of Lake Forest Park.
3. Each department has event follow up/tailgate meetings. These coordination meetings provides an opportunity to review the issue/spill/project and evaluate the effectiveness of the response. This adaptive management approach has improved response time and effectiveness.
4. The Public Works staff responsible for Phase II Permit compliance share an office space with the Planning and Building Department and the City Engineer. As a result coordination is common and frequent. Public Works staff periodically join the inspector for erosion control inspections, respond to illicit discharge reports and there are a minimum of quarterly meetings to discuss Phase II Permit compliance issues. All inspection staff are Certified Erosion and Sediment Control Leads.



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5. A request for service form is used at the City of Lake Forest Park as a tracking mechanism to communicate between all departments (See Attachment 4). This form is used by many departments to track Phase II Permit issues along with a variety of other issues. It is a standard for the City and provides continuity.

The City of Lake Forest Park continues to develop and refine internal coordination techniques.

Regards,

Cory Roche

Community Volunteer Coordinator
City of Lake Forest Park



CITY OF LAKE FOREST PARK

MEMORANDUM

ATTACHMENT 1: Tracking Sheets Distributed to Public Works Crew

Illicit Discharge Detection & Elimination Monitoring

Site Location:	Today's date:
Public Works Crew Initials:	Current Temperature (°F):
Time Started: _____ AM or PM (please circle)	Time Completed: _____ AM or PM (please circle)

Please Circle or Check the Following Items

Rainfall (in last 24 hours): Yes No Don't Know (in last 48 hours): Yes No Don't Know

Site Conditions

Color-

<input type="checkbox"/> Clear & visible	<input type="checkbox"/> Gray
<input type="checkbox"/> Green	<input type="checkbox"/> Red
<input type="checkbox"/> Brown	<input type="checkbox"/> Yellow
<input type="checkbox"/> Orange	<input type="checkbox"/> Other:

<input type="checkbox"/> None	<input type="checkbox"/> Petroleum/gas
<input type="checkbox"/> Sewage	<input type="checkbox"/> Chemical aroma
<input type="checkbox"/> Sulfur	<input type="checkbox"/> Sweet
<input type="checkbox"/> Rancid/sour	<input type="checkbox"/> Other:

Turbidity/Muddiness-

<input type="checkbox"/> Clear	Floatables present-
<input type="checkbox"/> Slight Cloudiness	<input type="checkbox"/> Sewage (toilet paper, etc)
<input type="checkbox"/> Cloudy	<input type="checkbox"/> Petroleum (oil sheen)
<input type="checkbox"/> Extremely muddy	<input type="checkbox"/> Suds
	<input type="checkbox"/> Other:

Trash present-

<input type="checkbox"/> Plastic Bags	Flows-
<input type="checkbox"/> Cans/bottles	<input type="checkbox"/> Slow and calm
<input type="checkbox"/> Diapers/children's toys	<input type="checkbox"/> Medium
<input type="checkbox"/> Other:	<input type="checkbox"/> High and aggressive
	<input type="checkbox"/> Extreme

Notes:



CITY OF LAKE FOREST PARK

MEMORANDUM

ATTACHMENT 2: IDDE Reporting Instructions Wallet Cards Distributed to Public Works Crew

IDDE Reporting Instructions

Spill Discovered:

1. Safe to investigate?
2. Spill type and quantity?
3. Hazardous material?
4. Impact severe? → Stop!

If it's unknown, leave it alone!

IDDE Reporting Instructions

Report ALL spills to both your

- 1) *Supervisor* and
- 2) *Aaron Halverson*,
Environmental Programs
Manager, at (206) 957-2836

LFP City Hall: (206) 368-5440



MEMORANDUM

ATTACHMENT 3: Pamphlets Distributed to Public Works Crew in case of Spill, IDDE, or where there is a General Need



Yard Care is For the Fishes

Healthy Yard, Healthy Fish

Dos ★

- Use Organic Fertilizer
- Nourish Plants With Compost
- Use Fertilizer Sparingly
- Use Water Sparingly
- Pull Weeds
- Use Insecticidal Soaps
- Mulch Your Lawn

Don'ts ✗

- Use Herbicides
- Overwater
- Over Fertilize
- Don't blow leaves or grass into the street
- Don't water your lawn mid-day



Get a clue: Who wants dog doo?

Clean Parks, Clean Water

Dos ★

- Scoop It, Bag It, Trash it!
- Use compostable bags to scoop poop before throwing it in garbage
- Help passersby understand why it is important to scoop dog poop
- Always carry extra bags on walks—just in case

Don'ts ✗

- Forget poop in the grass
- Let your pet poop near a stream
- Assume someone else will pick up after your pooch
- Think just 1 time won't make a difference



Commercial Car Washing

Only *rain* down the drain

Dos ★

- Go to a commercial car wash; the soapy water is treated *before* going down the drain
- If forced to wash at home, use buckets & wash on the lawn to prevent runoff pollution
- Conserve water
- Be conscious of oil and silt on your car: send nothing down the drain!

Don'ts ✗

- Ever let soap wash down the drain
- Pour anything into a storm drain
- Use harmful chemicals that could run down the driveway

Q: Why is it bad to wash my car at home?

A: When you're at home, there is no filtration system between your car and your storm drain. Thus, anything you use to wash your car runs straight into the street, down the storm drain and directly into your streams and lake.

Q: Why is it better to frequent a commercial car wash?

A: Commercial car washes are required to have separate treatment systems installed before the water passes through the storm drains. This means that no soapy water goes directly into our water systems. They also use less water and often are able to recycle water.

Q: If I have no other option than to wash my car at home, how should I do it?

A: Remember, there is no treatment system for anything you wash down your driveway. So if you have to wash your car at home, try doing so on your lawn or on gravel so that any soaps used are absorbed in the grass and soil.

Q: I'm not convinced—Isn't the storm drain connected to the sewer system?

A: No. It is an entirely separate pipe, and there really is no filter between what enters your catch basin and what drains directly into our lakes and streams.

Want more information? Visit the Department of Ecology's educational site: http://www.ecy.wa.gov/washington_waters/carwash.html

Questions or Comments? Contact the City of Lake Forest Park: (206) 368-5440

Q: What should I use to scoop the poop?

A: Try "BioBags" certified compostable bags. They are made from renewable crops and are sold individually at all FCC markets or in bulk at Costco Wholesale.



Q: Why can't I compost my dog's poop?

A: Pet waste is full of harmful bacteria! You do not want to mix that bacteria into your home compost. Instead, throw that poo away and ensure both your pet's and your family's safety.

Q: Does 1 dog's poop really make a difference?

A: Yes, even a small amount of pet waste can contain thousands of harmful parasites and bacteria.

Q: What should I do if I forget my bag on our walk?

A: Come back to it! It is easy to mark your location and return with a bag either by foot or by car. If you don't, you run the risk of contaminating your lakes and streams by letting the "forgotten poop" drain into the streets when it rains.

Want more information? Visit http://www.ecy.wa.gov/washington_waters/dog_poop.html.

Questions or Comments? Contact the City of Lake Forest Park: (206) 368-5440

Q: How should you fertilize your lawn?

A: Use a 21-7-14 or 15-5-10 fertilizer sparingly four times per year.

1. Nov. 15—December 7
2. April 15
3. June 15
4. September 1

Q: How should you water your lawn?

A: Water in the *early morning* when the top two inches of soil are dry.

Q: How should I remove Weeds?

A: Pull weeds first and use weed killers as spot treatments. The best way to eliminate weeds is to properly water in lawns, fertilize, and mow regularly. Do not use a fertilizer/weed killer product because it spreads herbicides where they are not needed.

Q: How should you eliminate unwanted insects from your garden?

A: Use insecticidal soaps to kill unwanted bugs. Insecticidal soaps wash away the protective coating on the surface of soft-bodied insects and kill them, leaving behind the beneficial insects like lady beetles. Insects must come in direct contact with spray droplets for the treatment to be effective.

Want more information? Visit the Washington State University Master Gardener website: <http://gardening.wsu.edu/>

Questions or Comments? Contact the City of Lake Forest Park: (206) 368-5440



CITY OF LAKE FOREST PARK
MEMORANDUM

ATTACHMENT 4: Request for Service Tracking Sheets Available for all City Departments



CITY OF LAKE FOREST PARK
17425 Ballinger Way NE
Lake Forest Park, WA 98155

website: <http://www.cityofflp.com>
Email: cityhall@ci.lake-forest-park.wa.us
(206) 368-5440 Fax: (206) 364-6521

REQUEST FOR SERVICE

The City of Lake Forest Park needs your help in identifying areas within the City that are hazardous or need attention. We will respond to your requests, investigate your concerns and address any issues brought to our attention. Please complete the form and return to City Hall.

Name: _____ Date: _____

Address: _____ Contact Phone: () _____

Email: _____ Request Call Back: yes no

Location of Problem/Comment: _____

An exact address is required.

If the address is unknown, staff may not be able to properly investigate your concern.

Description of Problem or Comment: _____

FOR OFFICE USE ONLY

Problem Category:

- | | | |
|--|--|---|
| <input type="checkbox"/> Streets/Asphalt | <input type="checkbox"/> Drainage / Storm Drains | <input type="checkbox"/> Permits |
| <input type="checkbox"/> Sewer | <input type="checkbox"/> Sidewalks | <input type="checkbox"/> Signs and Markings |
| <input type="checkbox"/> Trees | <input type="checkbox"/> Vegetation | <input type="checkbox"/> Code Enforcement |
| <input type="checkbox"/> Other: _____ | | |

Forwarded to: _____ Action Taken: _____

Work Completed by: _____ Date/Signed off: _____

Reference ID #: _____ Date: _____ Total Hours: _____

Cities of Lake Forest Park / Kenmore Public Works Work Order

- | | |
|--|---|
| <input checked="" type="checkbox"/> Call Out | <input type="checkbox"/> Parks |
| <input type="checkbox"/> Overtime | <input checked="" type="checkbox"/> Streets |
| | <input type="checkbox"/> Facilities |

Date Received:
 Time Received:
 Assigned To:
 Date Assigned:
 Respond Time:
 Completion Date:

Task:

Project:

Project Completed:

LFP TBD:

Employee Allocation

Personnel	Hours	
	LFP	Kenmore
<input type="checkbox"/> Adam	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Chuck	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Craig	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> CWP	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Ian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Innovac	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Jesse	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Keith	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kevin	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kristian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Marty	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Matt	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Nolan	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Scott	<input type="text"/>	<input type="text"/>
Total Hours:	<input type="text"/>	<input type="text"/>

CAR #:
 Contact:
 Phone:
 Address:

Requests Call Back

- Area/Zone**
- | | |
|----------------------------|-----------------------------|
| <input type="checkbox"/> 1 | <input type="checkbox"/> 6 |
| <input type="checkbox"/> 2 | <input type="checkbox"/> 7 |
| <input type="checkbox"/> 3 | <input type="checkbox"/> 8 |
| <input type="checkbox"/> 4 | <input type="checkbox"/> 9 |
| <input type="checkbox"/> 5 | <input type="checkbox"/> 10 |

Parks/Facility Sites

- | | | | |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> Rhody Park | <input type="checkbox"/> Swamp Creek | <input type="checkbox"/> Animal Acres | <input type="checkbox"/> Eagle Scout |
| <input type="checkbox"/> Linwood Park | <input type="checkbox"/> Northshore Summit | <input type="checkbox"/> Blue Heron | <input type="checkbox"/> Horizon View |
| <input type="checkbox"/> Log Boom Park | <input type="checkbox"/> Squires Landing | <input type="checkbox"/> Cole Nature Preserve | <input type="checkbox"/> Lyon Creek |

Location Description:

165th and Bothell Way

LFP
 Kenmore

ESA Information

BMP Used **Details**
 HPA Used

Install Date: Remove Date:

Details - include stats for task (miles/feet mowed/swep/repared)

accident (auto) fluid on road. Put out absorbant on roadway, scrubbed with broom and removed with sweeper.

Tree Related

Comments:

Materials - include stats such as vendor, prices, yardage, tonnage

Equipment

316

WO#:

Cities of Lake Forest Park / Kenmore Public Works Work Order

- Call Out
- Overtime
- Parks
- Streets
- Facilities

Date Received: 1/29/2015
 Time Received:
 Assigned To:
 Date Assigned:
 Respond Time:
 Completion Date: 1/29/2015

Task: 1010
 Project:
 Project Completed:
 LFP TBD:

Employee Allocation

Personnel	Hours	
	LFP	Kenmore
<input type="checkbox"/> Adam		
<input type="checkbox"/> Chuck		
<input type="checkbox"/> Craig		
<input type="checkbox"/> CWP		
<input type="checkbox"/> Ian		
<input type="checkbox"/> Innovac		
<input type="checkbox"/> Jesse		
<input type="checkbox"/> Keith		
<input type="checkbox"/> Kevin		
<input type="checkbox"/> Kristian		
<input type="checkbox"/> Marty		
<input type="checkbox"/> Matt		
<input type="checkbox"/> Nolan		
<input type="checkbox"/> Scott		
Total Hours:		

CAR #:
 Contact:
 Phone:
 Address:
 Requests Call Back

- Area/Zone**
- | | |
|----------------------------|-----------------------------|
| <input type="checkbox"/> 1 | <input type="checkbox"/> 6 |
| <input type="checkbox"/> 2 | <input type="checkbox"/> 7 |
| <input type="checkbox"/> 3 | <input type="checkbox"/> 8 |
| <input type="checkbox"/> 4 | <input type="checkbox"/> 9 |
| <input type="checkbox"/> 5 | <input type="checkbox"/> 10 |

- Parks/Facility Sites**
- | | | | |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> Rhody Park | <input type="checkbox"/> Swamp Creek | <input type="checkbox"/> Animal Acres | <input type="checkbox"/> Eagle Scout |
| <input type="checkbox"/> Linwood Park | <input type="checkbox"/> Northshore Summit | <input type="checkbox"/> Blue Heron | <input type="checkbox"/> Horizon View |
| <input type="checkbox"/> Log Boom Park | <input type="checkbox"/> Squires Landing | <input type="checkbox"/> Cole Nature Preserve | <input type="checkbox"/> Lyon Creek |

Location Description:
 SR 104 (Ballinger) and 32nd Ave NE

LFP
 Kenmore

ESA Information

BMP Used **Details**
 HPA Used

Install Date:
 Remove Date:

Details - Include stats for task (miles/feet mowed/swept/repaired)
 Cut down tree struck by vehicle . Debris taken to PTS. Applied absorbant to spilled anti-freeze and swept area with sweeper.

Tree Related

Comments:

Materials - Include stats such as vendor, prices, yardage, tonnage

Equipment
 138, 146, 316

Cities of Lake Forest Park / Kenmore Public Works Work Order

- Call Out Parks
- Overtime Streets
- Facilities

Date Received:
 Time Received:
 Assigned To:
 Date Assigned:
 Respond Time:
 Completion Date:

Task:

Project:

Project Completed:

LFP TBD:

Employee Allocation

Personnel	Hours	
	LFP	Kenmore
<input type="checkbox"/> Adam	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Chuck	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Craig	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> CWP	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Ian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Innovac	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Jesse	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Keith	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kevin	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kristian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Marty	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Matt	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Nolan	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Scott	<input type="text"/>	<input type="text"/>
Total Hours:	<input type="text"/>	<input type="text"/>

CAR #:
 Contact:
 Phone:
 Address:

Requests Call Back

Area/Zone

<input type="checkbox"/> 1	<input type="checkbox"/> 6
<input type="checkbox"/> 2	<input type="checkbox"/> 7
<input type="checkbox"/> 3	<input type="checkbox"/> 8
<input type="checkbox"/> 4	<input type="checkbox"/> 9
<input type="checkbox"/> 5	<input type="checkbox"/> 10

Parks/Facility Sites

- | | | | |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> Rhody Park | <input type="checkbox"/> Swamp Creek | <input type="checkbox"/> Animal Acres | <input type="checkbox"/> Eagle Scout |
| <input type="checkbox"/> Linwood Park | <input type="checkbox"/> Northshore Summit | <input type="checkbox"/> Blue Heron | <input type="checkbox"/> Horizon View |
| <input type="checkbox"/> Log Boom Park | <input type="checkbox"/> Squires Landing | <input type="checkbox"/> Cole Nature Preserve | <input type="checkbox"/> Lyon Creek |

Location Description:

SR 522 and Ballinger Way

LFP
 Kenmore

ESA Information

BMP Used **Details**
 HPA Used

Install Date: Remove Date:

Details - include stats for task (miles/feet mowed/swept/repared)

Call - out. Concrete spill. Swept with sweeper.

Tree Related

Comments:

Materials - include stats such as vendor, prices, yardage, tonnage

Equipment

316

WO#:

Cities of Lake Forest Park / Kenmore Public Works Work Order

- Call Out Parks
- Overtime Streets
- Facilities

Date Received:
 Time Received:
 Assigned To:
 Date Assigned:
 Respond Time:
 Completion Date:

Task:
 Project:
 LFP TBD:

Project Completed:

Employee Allocation

Personnel	Hours	
	LFP	Kenmore
<input type="checkbox"/> Adam	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Chuck	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Craig	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> CWP	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Ian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Innovac	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Jesse	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Keith	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kevin	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kristian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Marly	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Matt	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Nolan	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Scott	<input type="text"/>	<input type="text"/>
Total Hours:	<input type="text"/>	<input type="text"/>

CAR #:
 Contact:
 Phone:
 Address:

Requests Call Back

- Area/Zone**
- | | |
|----------------------------|-----------------------------|
| <input type="checkbox"/> 1 | <input type="checkbox"/> 6 |
| <input type="checkbox"/> 2 | <input type="checkbox"/> 7 |
| <input type="checkbox"/> 3 | <input type="checkbox"/> 8 |
| <input type="checkbox"/> 4 | <input type="checkbox"/> 9 |
| <input type="checkbox"/> 5 | <input type="checkbox"/> 10 |

Parks/Facility Sites

- | | | | |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> Rhody Park | <input type="checkbox"/> Swamp Creek | <input type="checkbox"/> Animal Acres | <input type="checkbox"/> Eagle Scout |
| <input type="checkbox"/> Linwood Park | <input type="checkbox"/> Northshore Summit | <input type="checkbox"/> Blue Heron | <input type="checkbox"/> Horizon View |
| <input type="checkbox"/> Log Boom Park | <input type="checkbox"/> Squires Landing | <input type="checkbox"/> Cole Nature Preserve | <input type="checkbox"/> Lyon Creek |

Location Description:

622 between 47th and Ballinger

LFP
 Kenmore

ESA Information

BMP Used **Details**
 HPA Used

Install Date: Remove Date:

Details - include stats for task (miles/feet mowed/swep/repaird)

received call from LFP dispatch at 3:45pm of 5 car accident. Requesting absorbant / clean up

Tree Related

Comments:

3 bags

Materials - include stats such as vendor, prices, yardage, tonnage

Equipment

125

WO#:

Cities of Lake Forest Park / Kenmore Public Works Work Order

- Call Out
- Overtime
- Parks
- Streets
- Facilities

Date Received:
 Time Received:
 Assigned To:
 Date Assigned:
 Respond Time:
 Completion Date:

Task:

Project: Project Completed:

LFP TBD:

Employee Allocation

Personnel	Hours	
	LFP	Kenmore
<input type="checkbox"/> Adam	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Chuck	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Craig	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> CWP	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Ian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Innovac	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Jesse	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Keith	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kevin	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kristlan	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Marty	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Matt	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Nolan	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Scott	<input type="text"/>	<input type="text"/>
Total Hours:	<input type="text"/>	<input type="text"/>

CAR #:
 Contact:
 Phone:
 Address:

Requests Call Back

- Area/Zone**
- 1
 - 2
 - 3
 - 4
 - 5
 - 6
 - 7
 - 8
 - 9
 - 10

- Parks/Facility Sites**
- Rhody Park
 - Linwood Park
 - Log Boom Park
 - Swamp Creek
 - Northshore Summit
 - Squires Landing
 - Animal Acres
 - Blue Heron
 - Cole Nature Preserve
 - Eagle Scout
 - Horizon View
 - Lyon Creek

Location Description:
 Ballinger Way NE

LFP
 Kenmore

ESA Information

BMP Used HPA Used

Install Date: Remove Date:

Details - include stats for task (miles/feet mowed/swept/repaired)

diesel fuel on the road past Mcdonalds / Tito Mexican restaurant on Ballinger (Shoreline) continuing east in to LFP.
 We had sweeper hit Ballinger.
 Swept 2.5 lane miles.

Tree Related

Comments:

Materials - include stats such as vendor, prices, yardage, tonnage

Equipment

136, 316

WO#:

Cities of Lake Forest Park / Kenmore Public Works Work Order

- Call Out
- Overtime
- Parks
- Streets
- Facilities

Date Received:
 Time Received:
 Assigned To:
 Date Assigned:
 Respond Time:
 Completion Date:

Task:
 Project: Project Completed:
 LFP TBD:

Employee Allocation

Personnel	Hours	
	LFP	Kenmore
<input type="checkbox"/> Adam	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Chuck	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Craig	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> CWP	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Ian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Innovac	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Jesse	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Keith	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kevin	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kristian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Marty	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Matt	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Nolan	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Scott	<input type="text"/>	<input type="text"/>
Total Hours:	<input type="text"/>	<input type="text"/>

CAR #:
 Contact:
 Phone:
 Address:

Requests Call Back

Area/Zone

<input type="checkbox"/> 1	<input type="checkbox"/> 6
<input type="checkbox"/> 2	<input type="checkbox"/> 7
<input type="checkbox"/> 3	<input type="checkbox"/> 8
<input type="checkbox"/> 4	<input type="checkbox"/> 9
<input type="checkbox"/> 5	<input type="checkbox"/> 10

Parks/Facility Sites

- Rhody Park
- Linwood Park
- Log Boom Park
- Swamp Creek
- Northshore Summit
- Squires Landing
- Animal Acres
- Blue Heron
- Cole Nature Preserve
- Eagle Scout
- Horizon View
- Lyon Creek

Location Description:

LFP
 Kenmore

ESA Information

BMP Used **Details**
 HPA Used
 Install Date: Remove Date:

Details - include stats for task (miles/feet mowed/swept/repaired)

Caller reporting pressure washing of car port and water has - oil mixed in it going down drain.
 Tree Related

Comments:

See attached email from Aaron. Crew responded as well. No signs of oil.

Materials - include stats such as vendor, prices, yardage, tonnage

Equipment

WO#:

Cities of Lake Forest Park / Kenmore Public Works Work Order

- Call Out Parks
- Overtime Streets
- Facilities

Date Received:
 Time Received:
 Assigned To:
 Date Assigned:
 Respond Time:
 Completion Date:

Task:
 Project:
 LFP TBD:

Project Completed:

Employee Allocation

Personnel	Hours	
	LFP	Kenmore
<input type="checkbox"/> Adam	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Chuck	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Craig	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> CWP	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Ian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Innovac	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Jesse	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Keith	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kevin	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kristian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Marty	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Malt	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Nolan	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Scott	<input type="text"/>	<input type="text"/>
Total Hours:	<input type="text"/>	<input type="text"/>

CAR #:
 Contact:
 Phone:
 Address:

Requests Call Back

Area/Zone

<input type="checkbox"/> 1	<input type="checkbox"/> 6
<input type="checkbox"/> 2	<input type="checkbox"/> 7
<input type="checkbox"/> 3	<input type="checkbox"/> 8
<input type="checkbox"/> 4	<input type="checkbox"/> 9
<input type="checkbox"/> 5	<input type="checkbox"/> 10

- Parks/Facility Sites**
- | | | | |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> Rhody Park | <input type="checkbox"/> Swamp Creek | <input type="checkbox"/> Animal Acres | <input type="checkbox"/> Eagle Scout |
| <input type="checkbox"/> Linwood Park | <input type="checkbox"/> Northshore Summit | <input type="checkbox"/> Blue Heron | <input type="checkbox"/> Horizon View |
| <input type="checkbox"/> Log Boom Park | <input type="checkbox"/> Squires Landing | <input type="checkbox"/> Cole Nature Preserve | <input type="checkbox"/> Lyon Creek |

Location Description:

LFP
 Kenmore

ESA Information

BMP Used HPA Used

Install Date: Remove Date:

Details - Include stats for task (miles/feet mowed/swept/repaird)
 Called said garbage truck came by on Friday and something spilled in street. She tried to rinse it w/soap. Area is 3 feet wide x 15-20 feet long. She called Republic Services and left info with them - shiney like oil.

Tree Related

Comments:
 4/8/15 6:50PM - Dept of Ecology called us out on this. Cleaned up kitty litter. Found water bubbling up out of cracks in asphalt. Kieth contacted LFP Water. Chuck called DOW back and informed them of what was found. Alan found a leak in the service line going to 18512 32nd (left doorhanger).

Materials - Include stats such as vendor, prices, yardage, tonnage

Equipment

Cities of Lake Forest Park / Kenmore Public Works Work Order

- Call Out
- Overtime
- Parks
- Streets
- Facilities

Date Received:
 Time Received:
 Assigned To:
 Date Assigned:
 Respond Time:
 Completion Date:

Task:
 Project: Project Completed:
 LFP TBD:

Employee Allocation

Personnel	Hours	
	LFP	Kenmore
<input type="checkbox"/> Adam	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Chuck	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Craig	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> CWP	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Ian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Innovac	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Jesse	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Keith	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kevin	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kristian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Marty	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Matt	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Nolan	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Scott	<input type="text"/>	<input type="text"/>
Total Hours:	<input type="text"/>	<input type="text"/>

CAR #:
 Contact:
 Phone:
 Address:

Requests' Call Back

Area/Zone

<input type="checkbox"/> 1	<input type="checkbox"/> 6
<input type="checkbox"/> 2	<input type="checkbox"/> 7
<input type="checkbox"/> 3	<input type="checkbox"/> 8
<input type="checkbox"/> 4	<input type="checkbox"/> 9
<input type="checkbox"/> 5	<input type="checkbox"/> 10

Parks/Facility Sites

- | | | | |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> Rhody Park | <input type="checkbox"/> Swamp Creek | <input type="checkbox"/> Animal Acres | <input type="checkbox"/> Eagle Scout |
| <input type="checkbox"/> Linwood Park | <input type="checkbox"/> Northshore Summit | <input type="checkbox"/> Blue Heron | <input type="checkbox"/> Horizon View |
| <input type="checkbox"/> Log Boom Park | <input type="checkbox"/> Squires Landing | <input type="checkbox"/> Cole Nature Preserve | <input type="checkbox"/> Lyon Creek |

Location Description:

LFP
 Kenmore

ESA Information

BMP Used **Details**
 HPA Used
 Install Date: Remove Date:

Details - include stats for task (miles/feet mowed/swep/repaird)

Believed to be a spill from garbage truck. Turned out to be a water service leak.
 Tree Related

Comments:

Had to clean up and bag 2-3 bags of water soaked killy litter.

Materials - include stats such as vendor, prices, yardage, tonnage

Equipment

WO#:

Cities of Lake Forest Park / Kenmore Public Works Work Order

- Call Out
- Overtime
- Parks
- Streets
- Facilities

Date Received:
 Time Received:
 Assigned To:
 Date Assigned:
 Respond Time:
 Completion Date:

Task:

Project:

Project Completed:

LFP TBD:

Employee Allocation

Personnel	Hours	
	LFP	Kenmore
<input type="checkbox"/> Adam	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Chuck	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Craig	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> CWP	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Ian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Innovac	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Jesse	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Keith	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kevin	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Kristian	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Marty	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Matt	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Nolan	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Scott	<input type="text"/>	<input type="text"/>
Total Hours:	<input type="text"/>	<input type="text"/>

CAR #:
 Contact:
 Phone:
 Address:

Requests Call Back

Area/Zone

<input type="checkbox"/> 1	<input type="checkbox"/> 6
<input type="checkbox"/> 2	<input type="checkbox"/> 7
<input type="checkbox"/> 3	<input type="checkbox"/> 8
<input type="checkbox"/> 4	<input type="checkbox"/> 9
<input type="checkbox"/> 5	<input type="checkbox"/> 10

- Parks/Facility Sites**
- Rhody Park
 - Swamp Creek
 - Animal Acres
 - Eagle Scout
 - Linwood Park
 - Northshore Summit
 - Blue Heron
 - Horizon View
 - Log Boom Park
 - Squires Landing
 - Cole Nature Preserve
 - Lyon Creek

Location Description:
 N ballinger Way NE - 18600 block - west bound lane

LFP
 Kenmore

ESA Information

BMP Used HPA Used

Details:

Install Date: Remove Date:

Details - include stats for task (miles/feet mowed/swep/repared)
 Notified 911 of vehicle accident. Assisted LFP PD in clean up. 5 trees damaged. Cut up trees and dumped at PTS. PD Case - 2015-4145

Tree Related

Comments:

Materials - include stats such as vendor, prices, yardage, tonnage

Equipment

WO#:

LFP BIBI Scores 2005 - 2015

	2005	2006	2007	2008	2009	2010	2012	2013	2014	2015
Lyon Creek 190th St. & 35th Ave.	14	16	16	16	22	24	22	26*	22	24
Lyon Creek Near 178th St.	24	20	24	16	24	20	28	26	22	20
McAleer Creek Animal Acres	18	28	26	26	24	32	24	30	24	20
McAleer Creek 26th Ave. & Perkins Way	28	28	26	24	30	30	24	24	20	22
BIBI Scoring										
46-50	Excellent									
38-44	Good									
28-36	Fair									
18-26	Poor									
16-10	Very Poor									

* One replicate only

Sno-King Water Watchers Detailed Site Information										
SITE ID	Stream / Waterbody	G-Grant Required A=AdT	Site location	Site Detailed Location Description	Watershed	County	GPS coordinates	Jurisdiction	Site Lead	Monitors
1	Little Bear Creek	G	The mouth, south side of Sammamish River Trail bridge over Little Bear Creek.	The mouth, south side of Sammamish River Trail bridge over Little Bear Creek.	Little Bear Creek	King	47.754925, -122.168790	Woodinville	Mike Lawson	Mike Lawson, David Bain, Leri Carter
???	Big Gulch	A	Existing LEAF site, Possession Sound Tributary	Past gate to Big Gulch Trail entrance, past bridge towards Treatment Facility. 10FT past roadside drain to big stump. Across street is a trail to stream site.	Near Shore Subarea	Snohomish	47.90971 - 122.31697	Mukilteo	Kacie McCarty	Kacie McCarty and LEAF students
15	Catherine Creek	A	Corner of Catherine Dr & Grade Rd, 60 ft distm NE of covered bridge	Corner of Catherine Dr & Grade Rd. On Catherine Dr on NE corner of covered bridge, walk along fence line approx 60 ft, then downhill directly to stream.	Snohomish River	Snohomish	48.025277 -122.064538	Lake Stevens	Laura Schreiber	Laura Schreiber
???	Cripple Creek	A	By Evergreen State fairgrounds	Hwy. 2 east, to left on 179th St. (north) .6 miles to City of Monroe parking lot on left. Cross driveway, immediately north to site.	Snohomish River	Snohomish	47.822911, -121.990955	Monroe	Gail Dillaway	Gail Dillaway, Bobbi Cross and Leri Carter
12	Gissberg Twin Lakes, south lake	A	Gissberg Twin Lakes County Park, north bank, approx. 150ft from NE corner	Gissberg Twin Lakes County Park, 16324 Twin Lakes Ave. On north bank, approx. 150ft from the NE corner of the south lake	Snohomish River	Snohomish	48.143016, -122.169130	Marysville	Laura Schreiber	Laura Schreiber
4	Horse Creek	G	Horse Creek at Mouth, Confluence with Sammamish River, Bothell Landing park.	East end of Bothell Landing Park, accessed by NE 180th St off of Bothell Way in Bothell Just East (upstream) of footbridge over Sammamish River at Bothell Landing. Monitoring site is 10-15 ft upstream of confluence with Sammamish River.	Sammamish River	King	47.758055, -122.206757	Bothell	Chris Wright	Chris Wright and Pam Richmond
???	Japanese Gulch	A	Existing LEAF site/Edmonds Community College	5th St entrance to Japanese Gulch park, use Train Track Trail on right, about 1/4 mile to see stream from trail. Monitor at large cylindrical metal thing about 30ft before large fallen log.	Near Shore Subarea	Snohomish	47.94341, -122.29008	Mukilteo	Kacie McCarty	Kacie McCarty and LEAF students
13	Juanita Creek	A	Pam Richmond's front yard at 13430 108th Ave NE	Pam Richmond's home on the East side of 108th Ave NE. Stream flows along driveway, under 108th Ave NE. Sample just above culvert under 108th Ave NE.	Lake Washington	King	47.721773, -122.196959	Kirkland	Pam Richmond	Pam Richmond, Chris Wright
5A	Little Swamp Creek #1 (123456)	G	Jeff Staley's property, 234 th St SE in Bothell	North of little red bridge in backyard	Little Swamp Creek	Snohomish	47.766334, -122.222216	Bothell	Jeff Staley	Jeff Staley, Eric Adman, and Staci Adman
5	Little Swamp Creek #2 (123456)	G	Adman's property, 7815 NE 192 St in Kenmore	North of the footbridge over Little Swamp Creek in the backyard	Little Swamp Creek	King	47.765797, -122.235734	Kenmore	Staci Adman	Eric Adman, Staci Adman, Jeff Staley
7	Lyon Creek	G	Nature Preserve/Lyon Creek Park	Existing LFP Streamkeeper site/NEED DESCRIPTION	Lake Washington	Snohomish	47.753288, -122.276374	Lake Forest Park	Mark Phillips	Mark Phillips, Jim Halliday
8	MacAleer Creek	G	Blue Heron Park	Existing LFP Streamkeeper site/NEED DESCRIPTION	Lake Washington	King	47.752006, -122.281535	Lake Forest Park	Mark Phillips	Mark Phillips, Jim Halliday
7A	Lyon Creek	G	20020 35th Ave. NE (Monitor Quarterly)	NEED DESCRIPTION	Lake Washington	Snohomish	47.774427, -122.265629	Lake Forest Park	Mark Phillips	Mark Phillips, Jim Halliday
8A	MacAleer Creek	G	NE 196th St. (Monitor Quarterly)	NEED DESCRIPTION	Lake Washington	King	47.770756, -122.310694	Lake Forest Park	Mark Phillips	Mark Phillips, Jim Halliday
3	North Creek #1 (NE 195th)	G	Below SW corner of North Creek Parkway bridge	Just below SE corner of bridge over North Creek Parkway near intersection of NE 195th (below North Creek Trail)	North Creek	King	47.770522, -122.185992	Bothell	Lisa Joehnk	David Bain, Lisa Joehnk
3A	North Creek #2 (196th)	G	On 196 th St SE park near culvert with white guardrails. Gravel driveway across	Off Bothell Exit Hwy, west on 196th St SE by culvert with white guardrails. Up gravel drive to the north (about 100 meters) to path on left. Follow to sample site. (Clear Water school opposite side of road)	North Creek	Snohomish	47.491845, -122.124303	Snohomish	Jim Freese	Jim Freese, Dawn Hatfield, Shari Selch
16	North Creek Forest springs #1	A	108th Ave NE & NE 204th Pl. Descend stairs 100 m. down trail, into forest	Corner of 108th Ave NE & NE 204th Pl. Descend the stairs 100 meters down the trail. Another 100 meters past the picket marker in stream, then 10 meters left across the other side of first tributary.	North Creek	King	47.49354600, -122.13467610	Bothell	Jim Freese	Jim Freese, Dawn Hatfield, Shari Selch
16A	North Creek Forest springs #2	A	108th Ave NE & NE 204th Pl. Descend stairs 100ft down trail.	Corner of 108th Ave NE & NE 204th Pl. Descend the stairs 100ft down the trail. Marked by a picket in stream.	North Creek	King	47.49354600, -122.13467610	Bothell	Jim Freese	Jim Freese, Dawn Hatfield, Shari Selch
2	Parr Creek	G	North Creek Sports, NE bank, between Fields 1 & 4 by culvert	North Creek Sports, 19016 North Creek Pkwy, Bothell. Between fields 1 and 4. On NE bank, approx. 20 ft NE of culvert/walkway	North Creek	King	47.765996, -122.181933	Bothell	Lisa Joehnk	David Bain, Lisa Joehnk
11	Sammamish River, Downstream	A	Downstream of Wayne Golf Course	Blue Heron Landing (marina). Sample is taken on the river side of the peninsula, not within the marina proper	Sammamish River	King	47.40360, -122.13131	Bothell	David Bain	David Bain, One Bothell volunteers
10	Sammamish River, Upstream	A	Upstream of Wayne Golf Course	Blyth Park/ Down the stairs to river level, and then go downstream as far as you can on the grass	Sammamish River	King	47.44355, -122.12333	Bothell	David Bain	David Bain, One Bothell volunteers
6	Swamp Creek #1 (SR 522)	G	Below SR522, just below NE 175 St bridge	100ft south of bridge at NE 175th st, on west bank of creek	Swamp Creek	King	47.755377, -122.234023	Kenmore	Staci Adman	Eric Adman, Staci Adman
6A	Swamp Creek #2 (I 405)	G	Maple Road @ I-5 & I-405 Interchange, NW side of culvert into trees and brush	On Maple Road, trail approx. 200 ft NW, then approx. 75 ft through trees and brush, directly below west side of culvert/concrete landing	Swamp Creek	Snohomish	47.834768, -122.264819	Snohomish	Lisa Joehnk	Lisa Joehnk, Gail Dillaway, Neil Shea
9A	Thornton Creek headwaters	G	N 155th & 1st NE /near corner of SW parking lot	N 155th & 1st NE Twin Ponds Playground parking lot SW corner, walk directly to east bank of stream	Lake Washington	King	47.740930, -122.330592	Shoreline	Bea Wilson	Bea Wilson, Pat Murray
9	Thornton Creek Mouth	G	Matthews Beach Park, downstream from SE corner of walking bridge.	Intersection of Sandpoint Way NE & NE 93rd St, entrance to Matthews Beach Park, approx. 150 ft east on NE 93rd St (before parking lot), five or six ft downstream from the SE corner of walking bridge.	Lake Washington	King	47.695904, -122.27568	Seattle	Steve Bennett	Steve Bennett, Samantha Rich, Brian Thornquist
14	Woods Creek	A	Al Borlin State Park, Lewis Street entrance, SE corner of the pedestrian bridge	Al Borlin Park on S. Lewis St (Hwy 203), appr. 1000 ft N of S. Lewis Street bridge over the Skykomish Riv. Access SE corner of the pedestrian bridge (about 100 ft east of parking lot).	Skykomish River	Snohomish	47.848379, -121.969936	Monroe	Gail Dillaway	Leri Carter, Bobbi Cross

Site names are being reassessed. Little Swamp Creek #1 is now Little Swamp Creek #2.

Lake Forest Streams - Chemical Monitoring

Stream Name	Sample Date	Temp. Air(C°)	Temp. Water(C°)	pH	DO 1 (ppm)	DO 2 (ppm)	%Oxygen Saturation	Total Alkalinity(mg/L)	Total	
									Hardness(mg/L)	Turbidity(JTU)
Lyon Cr. (Preserve)	9/11/2015	20	15	7	8.2	8.4	82	155	90	5
Lyon Cr. (Preserve)	10/10/2015	16	15	7	10	8.6	NO DATA	60	100	100
Lyon Cr. (Preserve)	11/16/2015	5	6	8	11	11	88	50	70	2
Lyon Cr. (Preserve)	12/17/2015	3.5	5	8	10.9	10.6	84	60	80	5
McAleer Cr. (Blue Heron Park)	9/11/2015	17	14	8	8.8	9.2	86.7	100	80	2
McAleer Cr. (Blue Heron Park)	10/10/2015	17	14	8.25	9.4	9.2	89.6	105	80	15
McAleer Cr. (Blue Heron Park)	11/16/2015	6	8	8	9.8	10	83	60	60	5
McAleer Cr. (Blue Heron Park)	12/17/2015	3	5	8	10.5	10.8	83	60	70	2
Lyon Cr. (Preserve)	1/23/2016	7	8	7	10.4	11	90	40	40	15
Lyon Cr. (20020 35th)	1/23/2016	8	7.5	7	10	10.4	84	55	50	2
McAleer Cr. (Blue Heron Park)	1/23/2016	7	6	7	10	11	84	55	70	20
McAleer Cr. (196th St)	1/23/2016	no data	6	7	11	no data	88	60	40	10

Lake Forest Park Streams - Bacteria Monitoring*

Stream Name	Sample Date	Temp. Air(C°)	Temp. Water(C°)	Sample Volume(mL)	E.coli 1	Other Coliform 1	Text Code 1	E.coli 2	Other Coliform 2	Text Code 2	E.coli 3	Other Coliform 3	Text Code 3
Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14
Lyon Cr. (Preserve)	9/11/2015	20	15	1	1	7	Rare	2	3	Rare	2	7	Rare
Lyon Cr. (Preserve)	10/10/2015	16	15	1	70	30	Common	52	35	Common	80	35	Common
Lyon Cr. (Preserve)	11/16/2015	5	6	1	1	25	Common	1	18	Common	1	11	Common
Lyon Cr. (Preserve)	12/17/2015	3.5	5	1	0	3	Rare	1	0	Rare	1	3	Rare
MacAleer Cr. (Blue Heron Pk)	9/11/2015	17	14	1	3	22	Common	2	6	Rare	1	19	Common
MacAleer Cr. (Blue Heron Pk)	10/10/2015	17	14	1	10	35	Common	17	43	Common	11	32	Common
MacAleer Cr. (Blue Heron Pk)	11/16/2015	6	8	1	0	6	Rare	0	15	Common	0	15	Common
MacAleer Cr. (Blue Heron Pk)	12/17/2015	3	5	1	2	1	Rare	0	1	Rare	1	1	Rare
Lyon Cr. (Preserve)	1/23/2016	7	8	1	4	45	Common	2	45	Common	3	45	Common
Lyon Cr. (20020 35th)	1/23/2016	8	7.5	1	0	25	Common	0	25	Common	0	25	Common
MacAleer Cr. (Blue Heron Pk)	1/23/2016	7	6	1	1	40	Common	1	40	Common	0	30	Common
MacAleer Cr. (196th St)	1/23/2016	6	6	1	0	13	Common	1	9	Rare	1	25	Common

* Easygel Media on treated plates; 32 hr incubation time; 29-32 C.

ID	Name	Type	Latitude	Longitude	Sample_Date	Sample_Time
1	Little Bear Creek	Biological	47.75487	-122.16884		
2	Parr Creek	Biological	47.76601	-122.18174		
3	North Creek #1	Biological	47.76938	-122.18672		
4	North Creek #2	Biological	47.81992	-122.21223		
4	North Creek #2	Biological	47.81992	-122.21223	8/22/2015	13:00
5	Horse Creek	Biological	47.75768	-122.20936		
6	Little Swamp Cre	Biological	47.78632	-122.2222		
7	Little Swamp Cre	Biological	47.76656	-122.23591		
8	Swamp Creek #1	Biological	47.75539	-122.23381		
9	Swamp Creek #2	Biological	47.83537	-122.2637		
10	Lyon Creek	Biological	47.79088	-122.30062		
11	MacAleer Creek	Biological	47.75209	-122.28188		
12	Thorton Creek	Biological	47.69488	-122.27231		
13	Big Gulch	Biological	47.91173	-122.32043		
14	Japanese Gulch	Biological	47.95096	-122.2941		
15	Sammamish Rive	Biological	47.75059	-122.20991		
16	Sammamish Rive	Biological	47.75186	-122.22088		
17	Willow Creek	Biological				
18	Shell Creek	Biological				
19	Shellbarger Creek	Biological				
20	Edmonds Marsh	Biological				
21	Other Tukwila Cr	Biological				
22	Gissberg	Biological	48.00851	-122.0971		
23	Juanita Creek	Biological	47.72175	-122.19694		
24	Woods Creek	Biological	47.85331	-121.96692		
25	Crittler Creek	Biological	47.87309	-121.99036		
26	Echo Lake Creek	Biological	47.78651	-122.05283		
27	North Creek Fore	Biological	47.77755	-122.1943		
28	Catherine Creek	Biological	48.01523	-122.05546		
29	Twin Ponds	Biological				

UNKNOWN SITES

Waterbody_CondTide_Influence Total_Taxa Cumalitive_Index Steam_Qual_Assr Caddisfly

adequate depth N/A

8

18 Good 17-22

A

Mayfly

Riffle_Beetle

Snail

Stonefly

Water_Penny_Be Asiatic_Clam

A

B

0 A

0

0

Blackfly

Damselfly

Dragonfly

Crane fly

Crayfish

Filtering_Caddisfl

C

0

0

0

0

Hellgramite

Scud

Sowbug

Aquatic_Worm

Midge

Leech

C

0

0 R

C

0

Pouch_Snail

Habitat Assessment

0 Canopy Cover: Partly shaded; Predominant streamside vegetation: Grass, Shrubs, Trees;

Predominant surrounding land use: Residential; Streambed composition: Width of riffle: 6 ft., Bed composi

ition - 30% gravel, 70% cobbles; Water conditions: clear, no odor or surface - some bed growth on rocks.

Natural Yard Care & Rain Garden Survey

Workshop from October 10, 2015

1. I am a resident of the City of:

Lake Forest Park	11
Shoreline	20
Other	7

2. Which of the following age groups best describes you?

Under 30	2
30-45	6
46-54	8
55-64	12
65 and over	10

3. How many times during the year do you apply fertilizer to your lawn?

Never	28
Once	9
Twice	1
Three times	
Four times	
Five times	
Six or more times	

4. What type of fertilizer do you most frequently buy?

Organic, slow release	12
Synthetic, slow release	2
Synthetic, quick release	1
Weed'n Feed	3
Whatever is least expensive	
None	19

5. How much lawn do you have?

In the front or back yard of a typical suburban lot (one or the other, not both)	8
In the front or back yard of a typical suburban lot	17
Approximately half an acre (includes both front and back yards)	6
More than half an acre includes both front and back yards	2

6. Do you ever apply compost to your lawn instead of using fertilizer?

Yes	9
No	27

I use both Compost and Fertilizer on my lawn

7. Do you ever use herbicides (like Roundup, Finale or others) to kill weeds?

Yes, frequently	1
No, never	25
Once in a while, couple times a year	12

8. Do you ever use pesticides for bug control in your yard?

Yes, frequently	1
No, never	28
Once in a while, couple times a year	9

9. Do you know the benefits of a rain garden?

Yes	14
No	8
A little	16

10. Are you interested in building a rain garden in the next:

Year	28
Two years	5
Five years	4
Probably will never build one	1

11. What has or will stop you from building a rain garden?

Too labor intensive	8
Cost is too expensive	10
Time it takes to build one	12
Property is not appropriate for a rain garden	5
Other:	13

Already have one	Don't know	Something new to us
Not sure if any obstacles	Nothing	Renovating of house and yard
Need help to develop/plan/understand	Limited Knowledge	Not sure what a rain garden is
Nothing, just do it	Maybe size requirement	

12. It would be nice to have more workshops with _____ as the main focus.

Rain Gardens	15
Natural Yard Care	18
Yard Design	23
How to compost	10
Rain Barrels	16
Other:	
7 Landscape design, ?	Low maintenance gardens
Ways to reduce storm runoff	Native plant yard design
Sustainable yards/gardens/ect	Dog friendly yard design

13. Please share any comments/suggestion on what you would like to see from your city regarding Better Yard/Stormwater Practices:

Other: Normandy Park install rain garden as soon as possible
I live in Lynnwood and would love to know if they have programs
Thank You

Shoreline: More communication to public regarding benefits
Parking strips that are more walking friendly when they are not ___? Bidewatke?
Drip irrigation, ___? (tevaciv?) Work Shops
More on using Native Flowering plants and decorations
Great information
Assistance removing hard surfaces and replacing impermeable surfaces
Easier on-site Water Management

Lake Forest Park: Incentives including financial to help homeowners control runoff. More encouragement from planning dept and from building inspectors
LFP City offering rebate on homeowner incentives like Shoreline and Seattle
More education, workshops and incentives
Information session like this is really helpful

What is your Stormwater Knowledge?

Farmers Market Stormwater Booth August 9th, 2015

Where do you think water that flows from the streets, parking lots and roofs end up?

Common Answers

Lakes (Lake Washington):	27
Puget Sound/Ocean:	33
Stormdrains:	4
Water Treatment Center/Sewer:	7
Streams/Rivers:	4
Streams/Lakes/Puget Sound:	22
Streets:	1
Ground:	1
In Our Food:	1

When you wash your car, where do you think the suds go?

Common Answers

Sewer:	12
Streams/River/Creeks:	3
Stormdrains:	10
Lake WA/Sound/Streams:	16
Lake WA:	16
No Answer:	2
Ocean/Sound:	22
Car Wash:	5
Ground:	6
Street:	2
City Water:	1
Doesn't Wash Car:	2
Yard	3

True or False: Brake Dust off of vehicles harms and impacts water quality.

TRUE:	98
FALSE:	2

True or False: Applying fertilizer to lawns and gardens can negatively impact water quality.

TRUE:	97
FALSE:	3

True or False: Animal waste can negatively impact water quality.

TRUE:	96
FALSE:	4

CHINOOK BOOK RESULTS - .

SubCard Distribution - Activity		July-Sep Actuals			Oct-Dec Act	
Jurisdiction	Codes	unlocked	sessions	redemptions	unlocked	sessions
STORM - City of Bellevue, 250 codes	250	1	37	3	0	
STORM - City of Bellingham, 4,000 codes	4000	68	933	112	142	16
STORM - City of Bothell, 1,200 codes	1200	0	0	0	70	10
STORM - City of Des Moines, 800 codes	800	19	253	13	7	2
STORM - City of Everett, 1,000 codes	1000	23	270	19	8	2
STORM - City of Kenmore, 600 codes	600	25	207	9	25	3
STORM - City of Kirkland, 800 codes	800	10	114	0	100	14
STORM - City of Lake Forest Park, 200 codes	200	24	379	37	6	4
STORM - City of Sammamish, 600 codes	600	30	273	24	4	1
STORM - City of Tacoma, 750 codes	750	59	594	33	35	9
STORM - King County Stormwater Svcs, 6,050	6000	27	333	19	262	24
STORM - Kitsap County, 1,000 codes	1000	26	434	7	68	7
STORM - Seattle Public Utilities, 2,800 codes	2800	114	922	63	477	122
STORM - Snohomish County (A), 3,000 codes	3000	165	1728	68	3	10
STORM - Snohomish County (B), 1,000 codes	1000	90	1052	82	64	14
TOTAL	23,950	681	7,531	498	1,279	24,5

All Activity by Jurisdiction		July-Sep Actuals			Oct-Dec Act	
Jurisdiction	# Locs	Redemptions	BMP Red	Red/Loc	Redemptions	BMP R
STORM - City of Bellevue, 200 codes	63	670	35	10.63	689	
STORM - City of Bellingham, 4,000 codes	57	137	1	2.40	223	
STORM - City of Bothell, 1,200 codes	11	85	14	7.73	183	
STORM - City of Des Moines, 800 codes	6	5	2	0.83	8	
STORM - City of Everett, 1,000 codes	28	47	3	1.68	69	
STORM - City of Kenmore, 600 codes	8	83	8	10.38	90	
STORM - City of Kirkland, 800 codes	8	104	7	13.00	77	
STORM - City of Lake Forest Park, 200 codes	9	323	8	35.89	536	
STORM - City of Sammamish, 600 codes	62	692	42	11.16	745	
STORM - City of Tacoma, 750 codes	41	454	0	11.07	272	
STORM - King County Stormwater Svcs, 6,050	842	20,569	1,721	24.43	28,082	1.6
STORM - Kitsap County, 1,000 codes	52	700	12	13.46	998	
STORM - Seattle Public Utilities, 2,800 codes	650	18,593	1,490	28.60	26,214	1.6
STORM - Snohomish County, 4,000 codes	121	2,466	11	20.38	1,224	2
TOTAL (Not a sum of above)	1113	24,326	1,975	21.86	30,799	1.6

Inline Content	Q1 - Actuals			Q2 - Actuals	
	Views	Taps	Tap %	Views	Taps
Total - All Ad Runs	122,425	549	0.45%	101,321	4

Cost/Acquisition To Date	Amount
BMP Redemptions	3,665
Inline Content Taps	1,005
Cost/Acquisition (Investment: \$59,875)	\$12.82

JULY - DECEMBER 2015

Totals	Total July-Dec			% Change			
	redemptions	unlocked	sessions	redemptions	unlocked	sessions	redemptions
32	4	1	69	7	0%	86%	133%
150	111	210	2583	223	209%	177%	99%
150	86	70	1050	86	#DIV/0!	#DIV/0!	#DIV/0!
169	13	26	522	26	37%	106%	100%
175	18	31	545	37	35%	102%	95%
110	22	50	517	31	100%	150%	244%
150	86	70	1050	86	100%	100%	0%
130	49	30	809	86	25%	113%	132%
105	53	94	1499	86	59%	152%	161%
171	156	289	2804	175	970%	742%	821%
171	84	94	1205	91	262%	178%	1200%
150	1197	591	13172	1260	418%	1329%	1900%
138	83	168	2766	151	2%	60%	122%
166	115	154	2518	197	71%	139%	140%
161	2,096	1,960	32,092	2,594	188%	326%	421%

Totals	Total July-Dec			% Change			
	Red/Loc	Redemptions	BMP Red	Red/Loc	Redemptions	BMP Red	Red/Loc
19	10.94	1359	54	21.57	102.84%	54.29%	102.84%
7	3.91	360	8	6.32	162.77%	700.00%	162.77%
5	16.64	268	19	24.36	215.29%	35.71%	215.29%
1	1.33	13	3	2.17	160.00%	50.00%	160.00%
3	2.46	116	6	4.14	146.81%	100.00%	146.81%
17	11.25	173	25	21.63	108.43%	212.50%	108.43%
3	59.56	859	11	95.44	165.94%	37.50%	165.94%
39	14.33	1437	81	21.63	107.66%	92.86%	107.66%
34	6.63	726	34	17.71	59.91%	#DIV/0!	59.91%
112	33.35	48,651	3333	57.78	136.53%	93.67%	136.53%
14	19.19	1698	26	32.65	142.57%	116.67%	142.57%
148	40.33	44,807	3138	68.93	140.99%	110.60%	140.99%
153	10.12	3690	264	30.50	49.64%	2300.00%	49.64%
190	27.67	55125	3665	49.53	126.61%	85.57%	126.61%

Totals	Total - Q1 & Q2			% Change			
	Tap %	Views	Taps	Tap %	Views	Taps	Tap %
156	0.45%	223,746	1,005	0.45%	83%	83%	0%

Test your LFP Water Smarts!

1. What is your relationship to Lake Forest Park? Mark all that apply.

Answer Options	Response Percent	Response Count
Resident	88.6%	140
Contractor	0.6%	1
Business Owner	1.3%	2
Landscaper	0.6%	1
Employed in the City	8.9%	14
Property Manager	0.6%	1
Commute through the City	4.4%	7
Visitor	1.3%	2
	<i>answered question</i>	158
	<i>skipped question</i>	0

2. What is your age?

Answer Options	Response Percent	Response Count
18 or under	0.6%	1
19-34	7.0%	11
35-54	28.5%	45
55-64	31.0%	49
65 or over	32.9%	52
	<i>answered question</i>	158
	<i>skipped question</i>	0

3. Do you live in a

Answer Options	Response Percent	Response Count
House	97.5%	154
Condo or Apartment	2.5%	4
	<i>answered question</i>	158
	<i>skipped question</i>	0

4. Have you discussed water quality issues-stormwater runoff, reclaimed water, water pollution, etc.-with family and/or friends before?

Answer Options	Response Percent	Response Count
Yes	75.3%	119
No	21.5%	34
I'm not sure	3.2%	5
	<i>answered question</i>	158
	<i>skipped question</i>	0

5. What are your main sources for information regarding environmental issues? Mark all that apply.

Answer Options	Response Percent	Response Count
Radio	43.0%	68
Television	48.1%	76
Utility Bill Inserts	56.3%	89
Signage/Billboards	5.7%	9
Internet Sites	58.2%	92
Electronic TownCrier (*etc)	38.6%	61
Newspaper	58.9%	93
Friends/Neighbors	41.1%	65
Neighborhood newsletters	18.4%	29
	<i>answered question</i>	158
	<i>skipped question</i>	0

6. Where do you think water that flows from the streets, parking lots and roofs ends up?

Answer Options	Response Percent	Response Count
Sanitary Sewer System	2.0%	3
Streams and Lake Washington	88.6%	132
Into the ground/soil	4.0%	6
Separate stormwater treatment system	2.7%	4
Don't Know	2.7%	4
	<i>answered question</i>	149
	<i>skipped question</i>	9

7. When you wash your car, where do you think the suds go?

Answer Options	Response Percent	Response Count
Sanitary Sewer System	2.7%	4
Streams and Lake Washington	69.1%	103
Into the ground/soil	20.8%	31
Separate runoff treatment system	4.7%	7
Don't Know	2.7%	4
	<i>answered question</i>	149
	<i>skipped question</i>	9

8. What do you think surface water runoff is?

Answer Options	Response Percent	Response Count
In our urban environment, it is when rain water reaches	94.0%	140
Water from my faucet, toilet, or shower	0.0%	0

Rain that travels into the sanitary sewer system	4.0%	6	
Don't Know	2.0%	3	
	<i>answered question</i>		149
	<i>skipped question</i>		9

9. What is NPDES?

Answer Options	Response Percent	Response Count	
A Lake Forest Park City Council Resolution	5.4%	8	
King County Legislation	3.4%	5	
State-mandated program for regulation of sediments	16.1%	24	
Federally-mandated program administered by the	75.2%	112	
	<i>answered question</i>		149
	<i>skipped question</i>		9

10. True or False: When a vehicle's transmission shifts gears it impacts water quality.

Answer Options	Response Percent	Response Count	
True	55.0%	82	
False	45.0%	67	
	<i>answered question</i>		149
	<i>skipped question</i>		9

11. True or False: Brake wear of a vehicle impacts water quality.

Answer Options	Response Percent	Response Count	
True	83.0%	117	
False	17.0%	24	
	<i>answered question</i>		141
	<i>skipped question</i>		17

12. True or False: Applying fertilizer to lawns and gardens can negatively impact water quality.

Answer Options	Response Percent	Response Count	
True	99.3%	140	
False	0.7%	1	
	<i>answered question</i>		141
	<i>skipped question</i>		17

13. Yes or No: Can you explain the benefits of specially mixed and installed concrete that allows water to flow through it (also known as "Pervious Pavement")?

Answer Options	Response Percent	Response Count
Yes	78.7%	111
No	21.3%	30
	<i>answered question</i>	141
	<i>skipped question</i>	17

14. True or False: Pet waste can negatively impact water quality.

Answer Options	Response Percent	Response Count
True	98.6%	139
False	1.4%	2
	<i>answered question</i>	141
	<i>skipped question</i>	17

15. How would you prioritize the City's water quality efforts? On a scale from Very Important, Don't Know, to Not Important

Answer Options	Very Important	Don't Know	Not Important
Install filters in storm drains	79	44	14
Remove sediment from streams to increase capacity	68	35	30
Increase regulation and oversight from construction runoff	109	19	8
More regulation of pollution	83	36	16
Require the use of Low Impact Development techniques	103	26	7
Involve more citizens in improving water quality	107	21	6
Remove large woody debris from streams to increase	40	41	53
Regularly monitor water quality	122	11	2
Add large rocks to the edge of streams in an effort to keep	39	46	48
Have a 24-hour spill notification hotline	103	24	9

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16. (Optional) Please provide your email address if you wish to receive more information about water quality programs in the City of Lake Forest

Answer Options	Response Count
	32
<i>answered question</i>	32
<i>skipped question</i>	126

17. Please provide comments, questions, and/or feedback on Lake Forest Park's stormwater program in the box below. *Note: Answers to this

Answer Options	Response Count
	23
<i>answered question</i>	23

skipped question

135

18. Do you remember taking a similar stormwater survey in 2012?

Answer Options	Response Percent	Response Count
Yes	14.2%	20
No	85.8%	121
	<i>answered question</i>	141
	<i>skipped question</i>	17

Not Important.

Rating Average	Response Count	
1.53	137	
1.71	133	
1.26	136	
1.50	135	
1.29	136	
1.25	134	
2.10	134	
1.11	135	
2.07	133	
1.31	136	
<i>answered question</i>		138
<i>skipped question</i>		20