



Staff Report

Subject: Mosquito Fogging - Vector Control

Department/Program: Property Services

Recommendation: Staff recommends the Board consider contracting with St. Louis County for mosquito spraying for the 2022 season.

Explanation:

Since the Covid pandemic in early 2020, Ballwin Public Works has experienced a shortage of maintenance workers. The 2022 budget provides for 34 full time employees, however we are currently staffed at 26 full time employees, 3 full-time seasonal employees and 1 part-time seasonal employee. In order to provide for seasonal mosquito spraying, one employee's schedule is modified from mid-May to mid-September to spray for mosquitos four times per week (one night in each ward). This takes that employee away from other duties (i.e. street and sidewalk repair) for the entirety of the summer. In addition, the employee that has performed this duty in recent years has some health issues that may prevent him from doing the spraying this year, requiring the department to train another employee and ensure he has the proper licensing. Due to the shortage of staff we believe the City should consider contracting out with St. Louis County for the 2022 season.

Ballwin has an existing contract with St. Louis County Vector Control that is in effect until November 2024. This contract includes adulticiding (truck mounted fogging). However, keep in mind that their program does not provide "routine" spraying. Per CDC protocols and best practices, St. Louis County will only adulticide if surveillance (trapping and testing adult mosquitoes) shows that there are high numbers of the particular types of mosquitoes that are capable of transmitting disease to humans and/or those mosquitoes have tested positive for disease. Attached is a list of the locations of these traps. In order to maintain an IPM (Integrated Pest Management) best practices compliant program, St. Louis County now includes all services to contracting municipalities. Larviciding occurs throughout the season and ULV spray applications are only conducted when trap data indicates that high numbers of Culex mosquitoes are present and/or those mosquitoes have tested positive for disease. This could result in less spraying throughout Ballwin as there will not necessarily be regular weekly spraying like we normally do unless the traps indicate a high enough presence to warrant it.

We expect this switch to be relatively cost neutral. St. Louis County charges \$95 per hour for aduaticiding. However, should the City do it in house we do have to procure approximately \$5,000 in chemicals each year. The biggest concern for this proposed changes is time and manpower savings. The Public Works Department currently has over 300 open service requests for things such as street/pothole repair, sidewalk repair or grinding, tree trimming, permit review, etc. Having an extra employee available during the summer would assist us with working through those service requests quicker.

Lastly, we are also looking into options for additional sprays from an outside contractor should the County program prove to be insufficient. There are not many contractors that have the capability to cover an area our size so this may or may not be possible.

At this time we only recommend consideration for using St. Louis County for spraying for the 2022 season only. Depending on success or failure of the program, along with available manpower moving forward, this should be reconsidered for 2023 and beyond.

Submitted By: Jim Link

Date: 5/3/22

Sam Page
County Executive

Saint Louis
COUNTY
PUBLIC HEALTH

Dr. Emily Doucette
Acting Director

Spring Schmidt
Acting Director

August 1, 2019

To whom it may concern,

I wanted to reach out to you today to inform you that, according to our records, your contract with Saint Louis County regarding vector control services for your municipality has or will be expiring soon. Should you wish to renew your service, I have enclosed a new contract for your review and signature. Or, if you are interested in Saint Louis County Vector Control providing services for your municipality, please review the following description of the services we provide.

Vector Control Services are particularly important in protecting the public from vector-borne diseases. Arboviruses such as West Nile, Saint Louis Encephalitis, Zika, Dengue, and Chikungunya are all transmitted by mosquitos. Salmonella, Leptospirosis, and Tularemia are just a few of the diseases that can be spread by rodents, such as Norway Rats. Rodents are further capable of spreading diseases such as Ehrlichiosis, Rocky Mountain Spotted Fever, Heartland Virus, and Bourbon Virus indirectly through the bite of infected ticks and mites that they may be carrying. Furthermore, rodents can cause extensive damage by contaminating property with their urine and feces, or by gnawing on structures and wiring. Extensive burrowing by Norway Rats can also cause damage by undermining foundations and concrete slabs and increase erosion to stream banks.

The Saint Louis County Department of Public Health Vector Control Program provides full-scale vector control services for the majority of Saint Louis County which includes all contracted municipalities in addition to all unincorporated areas. Services provided include: adult mosquito surveillance, laboratory testing of adult mosquitoes for the presence of arboviral disease, larvicidal treatment of mosquito breeding sites, Ultra-Low Volume (ULV) and barrier applications for the control of adult mosquitoes, and comprehensive rodent abatement in public areas.

Saint Louis County Department of Public Health – Vector Control strives to provide the best service possible to protect the health of our residents from the threat of vector-borne disease. All operations are conducted in accordance with Integrated Pest Management (IPM) principles which are overseen by Vector Control Specialists who are licensed and certified by the Missouri Department of Agriculture in Public Health Pest Control.

Vector Control Services provided will include all of the following services:

1. Larviciding

The Saint Louis County Vector Control Program regularly monitors known mosquito breeding sites within the contracting municipality throughout the mosquito season. Types of sites monitored include ditches, ponds, lakes, creeks, canals, swamps, marshes, sewers, storm water detention basins, and any other areas on public property where standing water is present and the potential exists for mosquito breeding to occur. Sites in which mosquito breeding is identified or where conditions show a high potential for mosquito breeding are treated with an appropriate EPA-registered mosquito larvicide in accordance with the product label. Whenever possible, environmentally friendly mosquito control products and application methods are used to minimize potential impacts to beneficial organisms and the environment.

2. Adulticiding

To control adult disease carrying mosquitoes, the Saint Louis County Vector Control Program conducts nighttime Ultra-Low Volume (ULV) mosquito adulticide applications on public roads, using truck mounted ULV machines. Adulticiding is done at the discretion of Saint Louis County Vector Control and is based primarily upon mosquito surveillance and testing results. Adulticiding efforts are focused in areas where arboviral disease has been identified in the mosquito population and/or where surveillance has indicated the presence of high numbers of adult mosquitoes with the potential to transmit disease. In addition, the Vector Control Program may apply adult mosquito barrier applications in public areas, such as parks or ball fields, or outdoor event areas, where conditions and criteria warrant the application of a barrier treatment. Barrier treatments are conducted upon reasonable advance request only and are applied at the discretion of Saint Louis County Vector Control.

3. Rodent Abatement

Saint Louis County Vector Control's Rodent Abatement Program is a request-driven program that provides rodent abatement services for the control of Norway Rats in public areas within the contracting municipality. Vector Control will investigate reports of rat activity on public and private property as a reactive approach to rodent control. Rodent activity that is reported to Vector Control will initiate an investigation by a Vector Control Specialist in the area of the complaint. Based on the specialist's findings, proper control methods are utilized in public areas according to Integrated Pest Management protocols. Public areas where Norway Rat activity has been identified will be re-treated by prescribed methods as indicated on rodenticide labeling until rodent activity has been eradicated. If rodent activity is noted on private property, residents receive professional recommendations on the control and exclusion of rodents and/or the resident is advised to contact a licensed private pest control operator to

treat their property. Per licensing restrictions, Saint Louis County cannot apply rodenticides on private property or provide residents with rodenticides.

Fees for the 2019 season are as follows:

Larviciding - \$65.00/Hour

Adulticiding- \$92.00/Hour

Rodent Abatement - \$42.00/Hour

We are asking you to:

- 1) Complete, sign and return both copies of the enclosed contract, and
- 2) Enclose a copy of your enabling legislation that authorizes the contract (see enclosed model ordinance).

Vector Control is committed to providing the best service possible in accordance to Integrated Pest Management protocols. Your timely response is appreciated. Should you have any questions, please feel free to contact me via email (JSayers@stlouisco.com) or phone (314-615-0654).

Sincerely,



James Sayers

Vector Control Services Supervisor

Enclosures: One (1) Instruction Form
 Two (2) Original Contracts
 One (1) Sample Ordinance



CITY OF BALLWIN
14811 Manchester Road, Ballwin, MO 63011

BILL NO. 3870

ORDINANCE NO. 15-11

INTRODUCED BY
ALDERMEN TERBROCK, FINLEY, STALLMANN, SCHWENT, FLEMING, LEAHY, KERLAGON, BOLAND

AN ORDINANCE AUTHORIZING THE CITY OF BALLWIN TO ENTER INTO AND EXECUTE A CONTRACT WITH ST. LOUIS COUNTY, MISSOURI FOR THE MOSQUITO CONTROL SERVICE, AND AUTHORIZING AND DIRECTING THE CITY ADMINISTRATOR OF THE CITY OF BALLWIN TO ENTER INTO ON BEHALF OF SAID CITY, A CONTRACT WITH ST. LOUIS COUNTY, MISSOURI FOR MOSQUITO CONTROL SERVICE.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF BALLWIN, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

SECTION ONE: The City Administrator is authorized to execute a contract with St. Louis County, Missouri, whereby said County, by and through its Department of Health will perform mosquito control service within said City.

SECTION TWO: The City shall compensate St. Louis County, Missouri for services rendered at the hourly rate set forth in the contract and as such rates are changed in accordance with the terms and conditions of the contract between the City and County.

SECTION THREE: All ordinances or parts of ordinances in conflict herewith are to the extent of such conflict repealed.

SECTION FOUR: This ordinance shall take full force and effect from and after the date of its passage by the Board of Aldermen and approval of the Mayor.

PASSED this 23 day of Feb, 2015.



TIM POGUE, MAYOR

APPROVED this 23 day of Feb, 2015.

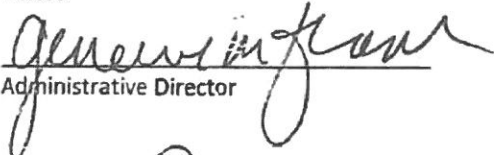

TIM POGUE, MAYOR

ATTEST: 
ROBERT KUNTZ, CITY ADMINISTRATOR

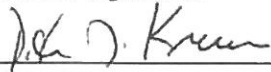
County, as agreed to by Municipality. This contract term is for a total of 5 years, which includes initial one-year term and annual renewals. Either party may terminate this contract upon thirty days written notice.

By:  St. Louis County, Missouri
County Executive

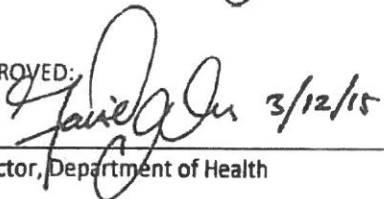
Attest:


Administrative Director

Approved As To Legal Form:


County Counselor 3-16-15

APPROVED:

 3/12/15
Director, Department of Health

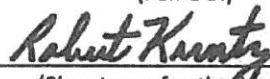
APPROVED:


Accounting Officer

MUNICIPALITY

Ballwin

(name of)

By: 
(Signature of authorized individual)

Robert Kuntz C.A.
(Type name/title of authorized individual)

ATTEST:


City/Village Clerk

**LOCAL GOVERNMENT CONTRACT WITH ST. LOUIS
COUNTY, MISSOURI FOR MOSQUITO CONTROL SERVICES**

This contract is made and entered into this 23rd ^{16th} day of February ^{March}, 2015, by and ltf
between the City of Ballwin, a Municipal Corporation, (hereinafter referred to as "Municipality") and St. Louis County, Missouri, (hereinafter referred to as "County").

Witnesseth:

Whereas, Municipality has enacted its Ordinance No. /Resolution No. 15-11 authorizing said Municipality to enter into this contract with County for mosquito control services to be performed within said Municipality through County's Department of Health; and

Whereas, County is authorized by Article II, Section 2.180 (20) of County's Charter to cooperate and contract with other political subdivisions for common services; and

Whereas, Section 604.020 SLCRO 1974, as amended, authorizes the County Executive to contract on behalf of the Department of Health with political subdivisions for the public health services; and

Whereas, in conformity with Section 604.040 SLCRO 1974, as amended, the St. Louis County Council has adopted Resolution No. 3670, 1992 that sets forth the terms and conditions upon which mosquito control services are to be provided to Municipality; and

Now therefore, in consideration of the mutual promises and undertakings herein set forth, County and Municipality agree as follows:

- | | | |
|--|-------------------------------------|-------------------------------------|
| 1. County shall provide mosquito control services as indicated: | Yes | No |
| a. Mosquito Control Services including adulticiding per County guidelines – to include all necessary materials, equipment, and personnel. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Other mosquito control services including larviciding Per County guidelines – to include all necessary materials, equipment, and personnel. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
2. Municipality shall:
- a. Pay County for mosquito control services including adulticiding at the hourly rate of seventy-two dollars (\$72.00) and for other mosquito services including larviciding at the hourly rate of forty-five dollars (\$45.00).
 - b. Make all payments by check payable to the order of "St. Louis County Health Department". Billing will occur in November. Payments under above paragraph "a" of this section must be received by County before the 31st day of December, for the initial contract term and before the same day and month in succeeding periods of renewal. Remit payment to St. Louis County Department of Health, 6121 N. Hanley Road, Berkeley, MO 63134.
3. The initial contract term shall be for one year with automatically renewable one year periods, for a maximum of five (5) years, subject to changes in prices and services provided therein by

604.040

Route Name	House Num	House Txt	St Name	Site Type	Site Description
Ballwin	51		Meadowbrook Country Club Estates	Creek	Creek across from address on edge of golf course.
Ballwin	64		Meadowbrook Country Club Estates	Standing Water	Standing water SE corner of front yard.
Ballwin	65		Meadowbrook Country Club Estates	Creek	Creek runs under road just E of address. Check both sides for pooling.
Ballwin	79		Meadowbrook Country Club Estates	Standing Water	Standing water in trees/brush E of address, between 79 and 78 Meadowbrook Country Club Estates.
Ballwin	80		Meadowbrook Country Club Estates	Creek	Creek across street, E of address. Check for pooling from 80 - 87 Meadowbrook Country Club Estates.
Ballwin	44		Meadowbrook Country Club Estates	Creek	Creek SE corner of property. Check for pooling on both sides of street.
Ballwin	19		Meadowbrook Country Club Estates	Creek	Creek north of address; access both sides of road.
Ballwin	546		Charbray	Creek	Access creek at dead end of Charbray Dr. Treat creek in both directions.
Ballwin	1117		Lering	Creek	Creek in rear, check near culvert.
Ballwin	539		Lering	Detention Basin	Detention Basin across street through trees.
Ballwin	310		Clayheath	Detention Basin	Detention Basin E of address.
Ballwin	407		Clayheath	Detention Basin	Detention Basin across street from address.
Ballwin			Clayton Ridge	Detention Basin	Detention Basin N side of street behind UMB Bank.
Ballwin	426		Claymont	Creek	Creek E of address.
Ballwin	319		Claymont Cove	Creek	Creek N of address. Check both sides of street for pooling.
Ballwin	507		Claymont Place	Detention Basin	Detention Basin behind address. Access between 507 and 519 Claymont Place Dr.

Ballwin	494	Trailwood	Creek	Pooling water at outflow in treeline behind 494.
Ballwin	581	Fieldstone	Culvert	Pooling @ large culvert in rear
Ballwin	502	Iron Lantern	Creek	Creek across street from address.
Ballwin	500	Iron Lantern	Creek	Creek E of address. Large pool on W side of street.
Ballwin	408	Brooktree	Creek	Creek N of address. Check for pooling on both sides of street.
Ballwin	512	Kingridge	Drainage	Drainage creek behind homes. Access between 512 and 510 Kingridge. Drainage runs along treeline across field to pond.
Ballwin	730	Henry	Ruts	Ruts on W side of road
Ballwin	744	Henry	Ruts	Ruts on W side of road
Ballwin	758	Henry	Ruts	Ruts on W side of road. Standing water in treeline.
Ballwin	732	Clayton Corners	Detention Basin	(#37 in mapbook) Detention Basin N of address.
Ballwin	892	Woods Mill	Detention Basin	Detention Basin in front of address along Woods Mill Rd.
Ballwin	861	Green Lantern	Drainage	Creek/Drainage. Access between 861 and 859 Green Lantern Ln.
Ballwin	850	Gardenway	Drainage	Creek/Drainage. Access between 850 and 848 Gardenway Dr.
Ballwin	902	Dutch Mill	Creek	Creek opens up into a pool behind this house.
Ballwin	829	Hollyridge	Ditch	Runs along right side of 829 @ intersection w/ Helmsdale Ct
Ballwin	715	Guenevere	Drainage	Drainage behind address. Access between 715 and 717 Guenevere Dr. Check for pooling water along entire drainage area.
Ballwin	469	Brightspur	Creek	Creek just E of address. Pools on S side of street.
Ballwin	628	Forest Leaf	Creek	Creek to left of address.
Ballwin	604	Forest Leaf	Creek	Creek across the street (at intersection w/ Oakleigh Woods).

Ballwin	200	Greenmore	Drainage	Drainage areas across street. Drainage runs to the N and E. Check along drainage areas for standing water.
Ballwin	219	Wildbrier	Creek	Creek W of address. (Ballwin Rec Center) Drainage runs along rear of property starting behind SW corner of parking lot. Treat standing water behind Rec Center up to golf course. Do NOT treat any standing water on golf course.
Ballwin	333	Holloway	Drainage	
Ballwin	316	St. Andrews	Drainage	Access drainage area between 316 and 308 St. Andrews Ct.
Ballwin	6	Cool Meadows	Sewer	Storm sewer behind home. Access between 6 and 5 Cool Meadows Dr.
Ballwin	255	Spring Oaks	Drainage	Access drainage area between 255 and 251 Spring Oaks Dr.
Ballwin	405	Valley Trail	Creek	(#67 in Mapbook) Creek NE of address. Check along creek for pooling.
Ballwin	114	Seven Trails	Ditch	@ intersection w/ Valley Trail (#67), ditch runs along edge of parking lot.
Ballwin	15101	Manchester	Detention Basin	(Ballwin Baptist Church) Detention basins in field W of parking lot behind church. Church between Steamboat and Shirley Ln.
Ballwin	225	Pointe Lucern	Drainage	(#50 in Mapbook) Drainage S of address.
Ballwin	636	Kehr's Mill Ridge	Detention Basin	Detention Basin E of address.
Ballwin	124	Log Hill	Detention Basin	Detention Basin S of address.
Ballwin	609	Cross Hill	Detention Basin	Detention Basin in rear.
Ballwin	234	W. Skyline	Creek	Creek S of address. Check both sides for pooling water.
Ballwin	107	Hillsdale	Detention Basin	Detention Basin S of address. Access from NW corner of stripmall parking lot S of address.
Ballwin	205	Highview	Drainage	Drainage S of address.

Ballwin	640	Highland	Drainage	Drainage begins E of address and runs S. Check for pooling water along ditch.
Ballwin	235	New Ballwin	Detention Basin	Selvige Middle School. Detention Basin SE corner of property.
Ballwin	235	New Ballwin	Drainage	Drainage ditch behind soccer field, W of previous site, culvert by #5 Frisbee Golf hole.
Ballwin	109	Windy Acres Estates	Detention Basin	(#76 in mapbook) Detention Basin E of address. Access between 109 and 117 Windy Acres Estates Dr.
Ballwin	235	Windy Acres Estates	Detention Basin	(#76 in mapbook) Detention Basin between 227 & 235.
Ballwin	201	Village Creek	Drainage	Drainage ditch in rear, pools at culvert and in several other spots.
Ballwin	873	Kylewood	Detention Basin	Detention Basin N of address. Access from sidewalk off Reinke Rd.
Ballwin	873	Kylewood	Detention Basin	Detention Basin across street from previous site on other side of Reinke Rd.
Ballwin	1070	Columbard	Detention Basin	Detention Basin SW of address. Access down hill between 1070 and 1073.
Ballwin	224	Oakbriar Farm	Detention Basin	Detention Basin S of address. Access between 224 and 228 Oakbriar Farm. Also check creek beyond the basin just over the ridge in the woods.
Ballwin	341	Oakmont Farm	Detention Basin	Detention Basin S of address, down the hill. Read next site before you walk all the way down hill. You're welcome...
Ballwin	341	Oakmont Farm	Detention Basin	Detention Basin/drainage @ 100yds E of previous site.
Ballwin	884	Village Brook	Standing Water	N end of cul-de-sac. Standing water in rear, where drainage runs down the hill.
Ballwin	931	Westrun	Detention Basin	Detention basin in rear; follow concrete drain to its beginning & look for pooling.
Ballwin	952	Westrun	Drainage	Drainage creek across street from address.

Ballwin	1352	Richland Meadows	Detention Basin	Detention Basin across street and up the hill.
Ballwin	457	Gateford	Detention Basin	Detention basin across the street (& up the hill).
Ballwin		Kiefer Creek and Richland Meadows	Standing Water	Check for standing water along N side of Kiefer Creek Rd between Richland Meadows and 1110 Kiefer Creek Rd.
Ballwin	1110	Kiefer Creek	Creek	From Kiefer Creek & Forest Valley, go 0.4 mi South. Go 25 yds down driveway, then look on both sides for sizeable pools.
Ballwin		Kiefer Creek Rd	Standing Water	Check for standing water along N side of Kiefer Creek Rd beginning at previous site to New Ballwin Rd.
Ballwin		New Ballwin Rd and New Ballwin Oaks Dr	Drainage	Drainage ditch runs under New Ballwin Oaks Dr. Check both sides for pooling water. Ditch runs to Kiefer Creek Rd.
Ballwin	1169	New Ballwin Oaks	Detention Basin	Detention Basin behind address. Access between 1169 and 1177
Ballwin	705	Whispering Forest	Detention Basin	(#2 in mapbook) Detention Basin E of address.
Ballwin	701	Oakrun	Detention Basin	Detention Basin to the N, behind address. Access from sidewalk along New Ballwin Rd.
Ballwin	406	Castle Glen	Detention Basin	Detention Basin W of cul-de-sac.
Ballwin	720	Westglen Village	Culvert	Culvert in rear, check for pooling. May also access lake from 387 Village Creek Dr.
Ballwin		New Ballwin Park	Ditch	(New Ballwin Rd @ Twigwood) Walk to NW end of park and find wooden footbridge. Follow gully 50 ft N and look for pooling by culvert.
Ballwin	501	Big Bend	Detention Basin/Creek	Detention Basin E side of West Springs Church, N of dumpster. Creek to w, follow to N around church.

Ballwin	508	Oak Leaf Manor	Detention Basin	Detention Basin behind address. Access between 516 and 508 Oak Leaf Manor Ct.
Ballwin	630	Nanceen	Drainage	Drainage behind address. Access between 630 and 626 Nanceen Ct.
Ballwin	639	Nanceen	Drainage	Drainage behind address. Access between 635 and 639 Nanceen Ct.
Ballwin		Ferris Park	Standing water	Walk to far end of park, past soccer fields. Standing water near fence & ditch in back/right corner.
Ballwin		Ferris Park	Sewer	At entrance to pavillion, find plastic grate by trash can.
Ballwin	673	Walnut Point	Creek	Creek pool straight back along line between 673 & 675.
Ballwin	227	Bitterwood	Ditch	Drainage Ditch across street from address, S of the playground. Check for pooling water.
Ballwin	254	Old Ballwin	Creek	Creek in treeline N of house. Check for pooling at culvert near road. (Park at The Pointe at Ballwin Commons)
Ballwin		Ballwin Commons	Detention Basin	Detention basin just S of intersection w/ Old Ballwin Rd.
Ballwin	523	Coachgate	Drainage	(#85) Pooling around sewer in rear. Sewer hard to see. Look for cattails.
Ballwin	232	Solon	Sewer	Sewer in rear, between 232 & 234.
Ballwin	609	Barton	Creek	Check creek on S side for pooling.
Ballwin	448	Vail	Creek	Creek in rear pools.
Ballwin	225	Ramsey	Creek	(just N of Bush Dr) Creek crosses road - check both sides.
Ballwin	376	Remington Way	Detention Basin	(#62 in mapbook) Detention basin. Enter thru unlocked gate between 368 & 376.
Ballwin	427	Valley Manor	Detention Basin	Detention basin in rear.

Ballwin	Twigwood Dr. @ Applestone Dr		Creek	Creek runs under Twigwood Dr. Check both sides of road for pooling.
Ballwin	Great Hill @ Twigwood Twigwood Dr. @ Rustic Valley Dr.		Creek	Concrete drainage creek pools on both sides of Great Hill Creek runs under Rustic Valley Dr. Check both sides of street for pooling.
Ballwin	568 Vernal Hill		Creek	Creek in rear. Access through common ground S of address.
Ballwin	Ries Rd @ Mark Wesley Ln		Creek	Creek.
Ballwin	450 Mark Wesley		Creek	Creek W of address. Check both sides of street for pooling.
Ballwin	Reis Rd. @ Pine Hollow Ct.		Creek	Creek runs under Reis Rd. just N of Pine Hollow Ct.
Ballwin	542 Ries		Creek	Taiwanese Presbyterian Church - Drive to rear parking lot, walk past basketball court to creek. Several creek pools.
Ballwin	542 Ries		Standing water	Across the street from address (E side of Ries), standing water 50 ft from sidewalk.
Ballwin	143 Brightfield		Creek	Creek E of address and across street W of 150 Brightfield Dr. Check both sides for pooling water.
Ballwin	214 Cleeta		Creek	Creek E of address and across street. Check both sides for pooling water.
Ballwin	261 Cleeta		Creek	Creek behind house has standing water.
Ballwin	225 Magnolia Trace		Creek	Creek E of address w/large pool (also check opposite side of street - see following 1 site).

Ballwin	225	Magnolia Trace	Drainage	Drainage area and basin @ 100' S down the hill from big retention basin. Check length for standing water.
Ballwin	115	Holly Garden	Drainage	Drainage E of address. Check along creek for pooling water.
Ballwin	147	Holly Green	Creek	Creek behind address. Access between 147 and 143 Holly Green Dr. Check along creek for pooling water.
Ballwin	242	Dickens Farm	Detention Basin	Detention basin on N side of house.
Ballwin	410	Ballwin Estates	Detention Basin	Detention Basin behind address. Access between 406 and 410 Ballwin Estates Ct.
Ballwin	201	Barker	Drainage	Drainage E of address and across street. Check for pooling water both sides of street.
Ballwin		Barker Ln and Point Lansing Ct	Detention Basin	Detention Basin at SW corner of Barker Ln and Point Lansing Ct.
Ballwin	164	Pointe Lansing	Drainage	Drainage W of cul-de-sac and down the hill. Only check near sewer outlet. Rest of drainage on private property.
Ballwin	141	Barker	Drainage	Drainage E of address. Check for pooling water.
Ballwin		Ries Rd @ Jefferson Ave	Detention Basin	Detention Basin SW corner of intersection. Several large depressions near E edge of detention basin. Also check sewers and rest of detention basin.