

DISTRIBUTION:

Trustee Guy Franzese,
Chairperson
Trustee Al Paveza
Trustee Leonard Ruzak
Wayne Mrjenovich
William Wilcox
Nancy Montelbano
Alice Krampits
Steve Stricker
Paul May

AGENDA**STORMWATER COMMITTEE**

Tuesday, February 10th, 2015

7:00 p.m.

**Department of Public Works
451 Commerce Street**

- 1) CALL TO ORDER**
- 2) ROLL CALL**
- 3) APPROVAL OF NOVEMBER 11, 2014 MINUTES**
- 4) UPDATE REGARDING STREAM CLEAN-UP MAILING TO PROPERTY OWNERS WITH STREAM FRONTAGE**
- 5) PRESENTATION OF PUBLIC INFORMATION CAMPAIGN MATERIALS RELATIVE TO STORMWATER**
- 6) PRESENTATION/DISCUSSION OF DUPAGE COUNTY STORMWATER ASSESSMENT SURVEY**
- 7) AUDIENCE DISCUSSION**
- 8) ADJOURNMENT**



M E M O

To: Chairperson Guy Franzese & Members of the Village of Burr Ridge Stormwater Committee

From: Paul D. May, P.E., Director of Public Works & Village Engineer

Date: February 5, 2015

Subject: Agenda Summary for the February 10th Stormwater Committee Meeting

Following, please find a summary of the items which are on the agenda for the February 10th, 2015 Stormwater Committee meeting:

1) Call to Order

2) Roll Call

3) Approval of Minutes from the November 11, 2014 Stormwater Committee Meeting:

The minutes from the subject meeting are attached for consideration, Attachment 1 (page 4).

4) Update Regarding Stream Clean-up Mailing to Property Owners with Stream Frontage:

The Stormwater Committee has previously discussed the importance of sending out a stream maintenance letter every spring to property owners with stream's on their property. The Department of Public Works has prepared a letter and address list to this effect, and will distribute the letters in early March. Resident's may utilize the Village's Spring Brush Pick-up program to dispose of appropriate woody material. See Attachment 2, page 8.

5) Presentation of Public Information Campaign Materials Relative to Stormwater

Public Works staff have developed a number of public information pamphlets and Public-Access TV documents to provide additional information relative to the stormwater system and maintenance of the same. These documents are available at the Village Hall, Public Works Department, Village web-site, and on a rotating basis on the Village's public access TV channel. The topics covered by these documents include the following (See Attachment 3A – 3F, pages 9 – 18):

- Clean Water Tips for Households
- Drainage FAQ's

- Rain Gardens
- Streambank Stabilization
- Stream Maintenance
- Water Conservation

6) Presentation/Discussion of DuPage County Stormwater Assessment Survey

During 2014, DuPage County disseminated a Stormwater Assessment survey among DuPage County Communities. The results of this survey, as well as a summary response letter from the DuPage Mayor's and Manager's group. The County has periodically considered implementation of a stormwater fee, through which the County would collect revenue based upon impervious area of each parcel in the County, and utilize that funding for stormwater projects. Such a program may not be particularly beneficial to Burr Ridge, as we are a dual-county community with no significant flooding issues, and little impact from DuPage County watersheds. If such a program were implemented in DuPage County, it may result in the collection of a fee from Burr Ridge property owners, with a disproportionately small return. Some in the DuPage County municipal community are concerned that the assessment survey may serve the purpose of reviving the consideration of a DuPage County stormwater fee. An excerpt from the DMMC letter to DuPage County summarizes these concerns very well:

"The County Stormwater Program has successfully met the core service needs of municipalities. While implementation of higher levels of service is always desired, such decisions must be made with knowledge of the increased costs and method of funding. In addition, municipal response to funding options will likely be dependent on the procedures for determining where funds will be spent for projects such as revised floodplain mapping, watershed studies, and flood control projects. A prioritization or selection process that shows funding is distributed in a fair and equitable manner, and prioritizes spending throughout all watersheds in the County, is critical. This is preferable to a system that continually collects funds in areas of the County which rarely receive benefits from County stormwater projects. Our members strongly urge that additional municipal input on the scope of the County's Stormwater Management Program be sought after the costs and funding issues are more defined." (DMMC letter to DuPage County, 12/12/2014).

This item is presented for information / discussion purposes. Director of Public Works, Paul May will discuss the findings of the survey, and will be prepared to answer any questions from the committee members. See Attachments 4A – 4C, pages 20 – 72.



Attachments:

<i>1</i>	<i>Minutes, November 11, 2014</i>	<i>page 4</i>
<i>2</i>	<i>2015 Stream Maintenance letter, DPW.....</i>	<i>page 8</i>
<i>3A</i>	<i>Clean Water Tips for Households.....</i>	<i>page 9</i>
<i>3B</i>	<i>Drainage FAQs.....</i>	<i>page 10</i>
<i>3C</i>	<i>Rain Gardens.....</i>	<i>page 12</i>
<i>3D</i>	<i>Streambank Stabilization.....</i>	<i>page 14</i>
<i>3E</i>	<i>Stream Maintenance</i>	<i>page 16</i>
<i>3F</i>	<i>Water Conservation.....</i>	<i>page 18</i>
<i>4A</i>	<i>DuPage County Stormwater Needs Assessment</i>	<i>page 20</i>
<i>4B</i>	<i>DMMC Response Letter to DuPage County RE: Needs Assessment.....</i>	<i>page 71</i>
<i>4C</i>	<i>DuPage County definition of “Regional Project”</i>	<i>page 72</i>



MINUTES
STORMWATER MANAGEMENT COMMITTEE MEETING
November 11, 2014

CALL TO ORDER

Chairman Guy Franzese called the meeting to order at 7:00 PM

ROLL CALL

Present: Chairman Guy Franzese, Trustee Len Ruzak, Nancy Montelbano, Alice Krampits, Wayne Mrjenovich

Absent: Trustee Al Paveza, Wil Wilcox

Also Present: Village Administrator Steve Stricker, Public Works Director/Village Engineer Paul May

APPROVAL OF MINUTES

A **motion** was made by Nancy Montelbano to approve the minutes of July 15, 2014. The motion was **seconded** by Alice Krampits and **approved** by a vote of 4-0, with Len Ruzak abstaining.

STORMWATER SEMINAR OFFERED BY DU PAGE COUNTY

Public Works Director Paul May indicated that DuPage County and the Conservation Foundation are offering a free Stormwater Seminar on November 20 at Benedictine University from 4:00 to 6:00 p.m. He stated that Committee members that would like to attend can RSVP directly to the Conservation Foundation. Chairman Franzese suggested that this information be sent to the Homeowners' Association presidents. In response, Mr. May stated that he believed that the notice had already been sent to the HOA presidents, but if not, he would send it out to them.

WOODCREEK HOA OUTLOT MAINTENANCE

Public Works Director Paul May reminded the Committee that, in the spring and early summer of 2014, the Village was contacted by area residents and DuPage County Staff relative to stream maintenance along the regulatory flood plain of the 62nd Street ditch. The issue in question was in regard to maintenance of the Woodcreek HOA outlot, particularly in regards to periodic removal of floatable debris from the flood plain. He indicated that the HOA was not originally responsive to our request to have the stream cleaned and, therefore, this issue was presented to the Stormwater Committee at its last meeting. Mr. May stated that subsequent to the last Stormwater Committee meeting, he held a meeting with the representatives of the Woodcreek HOA and surrounding neighbors on July 21, which was very constructive, and as a result of that meeting, the Woodcreek HOA completed all the necessary work to clean the stream to the satisfaction of the Village. Mr. May presented some before and after photos showing that this work had been completed. He stated that, in the

area along the Village right-of-way, the Public Works Department helped clean the area and that he will be watching in the future to make sure that the HOA continues to maintain this area as necessary.

In response to a question from Committee member Wayne Mrjenovich as to why they finally complied, Mr. May stated that he believed that it was because they knew that the Stormwater Committee reviewed this issue in July and directed Staff to take legal action if they didn't comply.

Chairperson Franzese complimented Mr. May in coordinating this work. He stated that the area looks much better and that, as a result, it will be much easier to maintain in the future.

In response to a question from Trustee Len Ruzak regarding the last time we sent notifications to HOAs to maintain their streams, PW Director May stated that he usually sends out letters to residents in the spring. Trustee Ruzak suggested that letters be sent to residents who are adjacent to the 79th Street ditch, especially along Hamilton Avenue, to ask them to clean their stream. Mr. May stated that he would also send letters to these residents in the spring, which he felt was the better time to do so prior to the spring brush pickup program. He stated that he would send letters in the spring to residents along the 62nd Street ditch and Flagg Creek as well.

DRAINAGE CONCERNS BETWEEN CARRIAGE WAY CONDOS AND TOWER DRIVE

Chairman Franzese stated that he was contacted by representatives of the Carriage Way Condo Association regarding the volume of water and associated erosion along the HOA south lot line, which is adjacent to the Tower Drive industrial properties and asked that this item be placed on the agenda.

Mr. May stated that he reviewed the site and has discussed this issue with affected residents. He stated that the Carriage Way Condo Association representatives have identified the Tower Drive properties as a partial source of the runoff. He stated that the industrial properties on Tower Drive were developed prior to the requirement for stormwater storage detention facilities and, therefore, most of the properties along Tower Drive were permitted without detention according to the regulations at that time. He stated that, if properties on Tower Drive were to be redeveloped, they may be required to install a detention facility in accordance with current regulations.

Mr. May stated that he and Chairman Franzese inspected the site on Friday, September 5, and on other occasions have independently observed the drainage way under high flow conditions. He stated that his initial discussions with the HOA indicated that they would like to facilitate a solution that eliminates or reduces the apparent source of runoff from the Tower Drive industrial properties. He indicated that State law does not allow for drainage to be blocked, but that there are some other low-cost things that they could do to help the problem.

In response to a question from Committee member Mrjenovich, Mr. Harry Levi, of the Carriage Way Condo Association stated that the problem has come up in the last year or two.

He stated that they have consulted with an engineer who indicated that it would cost \$150,000-\$200,000 to fix the problem.

The issue of drainage law was discussed. PW Director May stated that the higher elevation property has the right to drain water onto the property that is lower in elevation than them. The lower property has the right to manage the water runoff, but not to obstruct it.

In response to a question regarding whether the Carriage Way Club stormwater system, which is located downstream from Carriage Way Condos, is large enough to handle large storms, Mr. May stated that there would be some severe storm events that will exceed the capacity of the pipe, but that the surface overflow routes are designed to convey the excess flow

In response to a question from Mrs. Pat Bolin, resident of the Carriage Way Condos, Mr. May stated that the large pond into which the Carriage Way Club drains is the responsibility of the Park District.

After some additional discussion, the homeowners thanked the Committee and Mr. May for listening to their concerns. Mrs. Bolin stated that they don't want to cause additional problems for the properties downstream, which would be the Carriage Way Club Subdivision, and would work with their engineer and the Village Engineer to ensure that is the case.

79TH STREET DITCH FLOODPLAIN

Public Works Director Paul May indicated that he distributed engineering studies regarding the 79th Street ditch and that it has been studied on at least four occasions over the years by various engineering firms. He stated that the road can be raised, but that it would be extremely costly. In response to a question from Committee member Alice Krampits, Mr. May stated that he has been contacted by resident Pat Svatos, who had previously stated concerns regarding cattails growing on her property. Ms. Krampits also stated that she felt that Mr. Layland might be filling his property. In response, Mr. May stated that Mr. Layland can fill in certain areas, but not in the floodplain and, if he does, residents should call Mr. May so that he can investigate.

The issue of why stormwater does not flow well over land from Drew Avenue to County Line Road in major storms was discussed. Mr. May stated that the major reason why this is the case is because the area is so flat and the difference in elevation is only 6 inches between Drew Avenue and County Line Road. He stated that the stormwater system is set up in a saw-tooth type of design where little pockets are designed to hold and fill up with water before it flows overland, and then it fills up the next section, all the way along the line. In response to a question from Administrator Stricker, Mr. May stated that the storm sewer from Drew Avenue to County Line Road was last rodded in 2010.

The Committee briefly discussed the possibility of a project on the Layland property that would detain additional storm water. Again, Mr. May stated that, although it may be feasible, it would be extremely expensive and would not eliminate flooding. Administrator Stricker

stated that this issue was looked at in great detail when the County created the Flagg Creek Watershed Plan back in 1997 and they deemed that that project was not grant worthy.

In summary, PW Director May once again indicated that the road could be raised out of the floodplain, but that it would cost millions of dollars and there would be no guarantee that it still would not flood in major storms.

Committee member Mrjenovich stated that he agreed that there was no cost-effective solution to this problem. Committee member Nancy Montelbano suggested that this issue once again be tabled indefinitely.

AUDIENCE DISCUSSION

Mr. Krampits, of 7515 Drew Avenue, stated that his property is lower than his neighbors and that his property is ponding. PW Director May stated that he has visited the site and understands the concern and suggested that Mr. Krampits consider the possibility of raising his property to allow the water to flow from the high end to the low end. He once again referred to the land owner's rights information that he had provided the Committee members, which would dictate what Mr. Krampits could and could not do to fix his low spot.

Problems associated with drainage in the Bartlett Estates Subdivision were discussed and PW director May indicated that, during the time the subdivision was developed back in the 1950s or before, there was no requirement for stormwater detention and, therefore, no engineering records existed. In response to a question from Committee member Mrjenovich, Mr. May stated that newer subdivisions that do have engineering plans can be checked to see if something had changed on the site and that the Village could then take action against a property owner if it was determined that changes had been made illegally.

ADJOURNMENT

There being no further business, a **motion** was made by Trustee Len Ruzak to adjourn the meeting. The motion was **seconded** by Nancy Montelbano and **approved** by a vote of 5-0. The meeting was adjourned at 8:35 p.m.

Respectively submitted,

Steve Stricker
Village Administrator

SS:bp



VILLAGE OF
BURR RIDGE
A VERY SPECIAL PLACE

7660 County Line Rd. • Burr Ridge, IL 60527
(630) 654-8181 • Fax (630) 654-8269 • www.burr-ridge.gov

Mickey Straub
Mayor

Karen J. Thomas
Village Clerk

Steven S. Stricker
Administrator

March 6, 2015

Resident
Burr Ridge, IL 60527

Re: Stream Maintenance

Dear Resident,

As the summer rainfall season approaches, the Village of Burr Ridge wishes to remind you to ensure that the stream along your property is clear of debris and blockages. During the fall and winter months, it is common for branches and other debris to be deposited in the drainage way in a manner that can contribute to flooding on your property.

As a property owner with stream frontage, your contribution to keeping the drainage way clear of debris will not only protect your home from flooding, but will also ensure that the larger stormwater system functions effectively. You may utilize the Village's spring brush pick-up program to dispose of any woody debris that is removed from the floodplain. The brush pick-up program this year is scheduled for the week of April 20.

Thank you for your attention to this matter, and please feel free to contact me with any questions.

Sincerely,

Paul D. May, P.E.
Director of Public Works & Village Engineer

Clean Water Tips for Households



Do not dump hazardous material down the drain. Read the label and recycle properly

- Always read chemical labels on household products and dispose of them properly. Do not throw them down the drain. If possible use natural cleaning products.
- Use the lowest recommended concentration when using cleaning products or detergents.
- Dry out unused paint or adhesives rather than disposing of them in liquid form
- Utilize native plants in your lawn that require little or no water or fertilizer.



- Recycle motor oil and other chemicals at an auto shop or appropriate recycling center. Do not dump them down the storm drain. Many oil change stores will take your used oil for free.



- Wash vehicles at a commercial car wash or on non-paved surfaces to avoid runoff into the storm sewer.
- Compost or recycle yard waste so it does not wash down the storm drain.



Use a commercial car wash or wash your car on a non-paved surface



Clean up after your pets so the waste does not enter the storm sewer



THINGS TO KNOW

Storm water work must comply with the Village's storm water ordinance, which can be found at www.burr-ridge.gov in the Engineering tab.

Whenever work is performed within the public Right of Way, a permit must be obtained from the Village of Burr Ridge. The permit application can be found at www.burr-ridge.gov in the Community Development Department tab. Also, whenever, wherever you dig you must call JULIE (#811) to locate your utilities.

The storage of topsoil, gravel, and other fill material in the floodplain is prohibited. The village does provide floodplain determinations upon request. If a resident would like to perform work in the floodplain they should contact the Village of Burr Ridge Engineering Division (630-323-4733).



Know what's below.
Call before you dig.

Village of Burr Ridge Department of Public Works



A Very Special Place



*Village of Burr Ridge Department of
Public Works*

Burr Ridge Department of Public Works
451 Commerce Street
Burr Ridge, IL 60527
Phone: (630) 323-4733
Fax: (630) 323-4798
Hours of Operation: Monday through
Friday, 7 a.m. to 3:30 p.m.



Drainage FAQ

Drainage FAQ's

Q: Am I, the homeowner, responsible for the drains on my property?

A: Yes, the homeowner is responsible for his/her own drains. This responsibility includes clearing out debris or roots in the drain and restoring broken drains or inlets.

Q: What causes a sewer to be blocked?

A: There are many reasons for drains to become blocked. Some common causes are: material such as leaves and branches entering an inlet, deterioration of pipe joints, pipe settlement, structural defects, collapse, debris & silt build up, tree root intrusion, and vehicular loading.

Q: My neighbor has done work on his/her property and now I am getting more runoff, what can I do?

A: It is not necessarily a violation of Village code for one lot to drain onto another, and you should try to perform work on your lot to help your yard drain more effectively. Depending upon the scenario, it may be against state code to divert or concentrate runoff, or block runoff from draining onto your property. We advise that you meet with your neighbor and discuss the problem to work toward a mutually agreeable solution. If this is not possible, consider constructing swales or installing under-drains on your property to convey the runoff around your home. For more assistance call the Department of Public Works at (630) 323-4733.

Q: After it rains there is a puddle in my street gutter. Will the Village repair the street to eliminate the gutter ponding?

A: Please contact the Department of Public Works at (630) 323-4733 and we will determine if your street is publicly or privately maintained. If your street is public, we will place your location on a list and it will be surveyed and given a rating based on the severity of the ponding to determine the best solution. If you live in a private subdivision, then it is the responsibility of the homeowners association or the individual homeowner to correct the problem.

Q: The storm drain system on my street does not appear to be functioning as well as it used to. What can the Village do?

A: Please contact the Department of Public Works at (630) 323-4733. The storm drain system may have become clogged. If there is a problem with a public storm drain system, we can inspect for blockage and remove debris if present. If the system is private, then it is the responsibility of the homeowners association or the individual homeowner to maintain the system.

Q: My driveway culvert has become clogged and no longer drains properly. Will the Village come out and clean out my culvert?

A: No, each homeowner is responsible for cleaning out their own culvert.



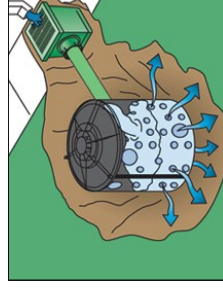
Damaged, shown above, or blocked culverts are the homeowners responsibility to repair and clean

Q: There is standing water in my yard after every rainfall, how can I fix this? And will the Village help pay for the repair?

A: One way to relieve this problem is to refine the pitch on your property so that it has an improved slope to let the storm water flow through. Alternatively, you can construct swales, which are shallower than a ditch, to redirect the water off your property, usually to the street. Finally, you can install dry wells and under-drains to flow off your property. Under-drains can also be connected to a village storm sewer so long as you receive a permit.



Example of an under drain with a catch basin



Example of a downspout that drains into a dry well

If you have any questions on the information presented above, please contact the Village of Burr Ridge Department of Public Works at (630) 323-4733

*Village of Burr Ridge
Department of Public Works*

Burr Ridge Department of Public Works
451 Commerce Street
Burr Ridge, IL 60527
Phone: (630) 323-4733
Fax: (630) 323-4798

THINGS TO KNOW

Storm water repairs must follow the storm water ordinance found at www.burr-ridge.gov in the engineering department.

Whenever a resident is building on the Right of Way, or village easement, the resident must attain a permit from the Village of Burr Ridge. The permit application can be found at

www.burr-ridge.gov in the community development department. Whenever you dig you must call JULIE to locate the utilities in the excavation area.

The Village of Burr Ridge restricts the storage of topsoil, gravel, and other fill material in the floodplain. The village of Burr Ridge does provide flood determinations. If you would like to perform work in the floodplain, please contact the Village of Burr Ridge Engineering Division (630-323-4733).



Know what's below.
Call before you dig.

Village of Burr Ridge Department of Public Works



A Very Special Place



Rain Garden



*Village of Burr Ridge Department of
Public Works*

Burr Ridge Department of Public Works
451 Commerce Street
Burr Ridge, IL 60527
Phone: (630) 323-4733
Fax: (630) 323-4798
Hours of Operation: Monday through
Friday, 7 a.m. to 3 p.m.

What is a Rain Garden?

A rain garden is a popular technique of building a garden bed in a low area that accumulates water after a storm. It is usually planted with native wetland plants that are accustomed to wet conditions. Rain gardens also help to collect and filter rain water and allow it to seep naturally into the ground. This reduces the amount of pollutants that rain water runoff carries to streams.

Dynamics of a Rain Garden

A rain garden has a depression in the middle to hold the rain water. The depression is from 2 to 6 inches if you prefer not to have standing water, or up to 18 inches if you prefer a pond-like garden. The depression should have gentle sloping sides so the plants can become established. Rain gardens are usually located where water already drains, or an area down-slope from your downspouts or sump pump outlet. The garden should slope away from your house so the overflow will not flood your foundation.



Photo by Roger Zimmerman
Example of a downspout draining to a new rain garden

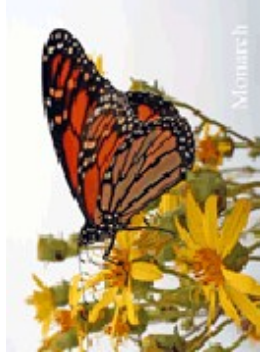
Benefits for the community

Many of the streams in Burr Ridge are affected by pollutants carried in water that runs off the urban landscape. These pollutants include excess nutrients and pesticides from lawn chemicals and pet waste. Rain gardens hold water from the urban landscape, so they are able to filter into the ground rather than into our streams.

Native

Landscaping

Illinois' natural history consists of productive prairies, open woodlands, and wetlands. The plants that are native to these habitats thrive in the Illinois landscape. Native plants also have aesthetic benefits because the native wildflowers and grasses produce beautiful colors from the spring to the fall. Native plants also attract a variety of butterflies, birds, dragon flies and even hummingbirds.



Monarch butterflies along with a variety of different animals are attracted to native plants

When choosing plants for a rain garden native plants will be most suitable because they are accustomed to the local growing conditions and do not require fertilizer. There is also less flooding and improvement of water quality with native plants because of their longer roots. The

long roots take in more water and filter pollutants before they reach surface waters.



Queen Anne's Lace is one example of a native flower of Illinois

The Truth about Native Plants

- The majority of plants native to the Midwest do not aggravate allergies. Native landscaping can be done without any allergen-producing plants.
- Even though native plants do attract dragonflies, butterflies and other insects, they also attract insect eating birds to that keep insect population in check.
- If you do not want tall grass, there is also a large variety of shorter wildflowers and grasses.

If you have any questions on the information presented above, please contact the Village of Burr Ridge Department of Public Works at (630) 323-4733

*Village of Burr Ridge
Department of Public Works*

Burr Ridge Department of Public Works
451 Commerce Street
Burr Ridge, IL 60527
Phone: (630) 323-4733
Fax: (630) 323-4798



STREAM MAINTENANCE & RESPONSIBILITY



The property owner who owns this lot is responsible for clearing the debris



Debris like this can cause a stream to back up, which may flood your property



A homemade compost bin that can be used to generate an alternative to mulch

- The responsibility to remove obstructions, such as fallen tree trees and other debris from the stream lies with the property owner.
- Landowners should conduct routine stream inspections twice a year to identify any stream obstructions, and inspections should be made after large rainfall events or windstorms.
- Removal of debris should be made during low flow periods, usually mid to late summer and autumn.
- If possible avoid operating machinery in the stream channel because toxic chemical such as oil and gasoline may leak into the stream, and the banks may be destabilized by the operations.
- Do not dump yard waste into a stream or place any yard waste along the stream banks.
 - Alternatively, leave grass clippings on the lawn or compost them along with leaves and other vegetative material to generate an alternative to mulch.



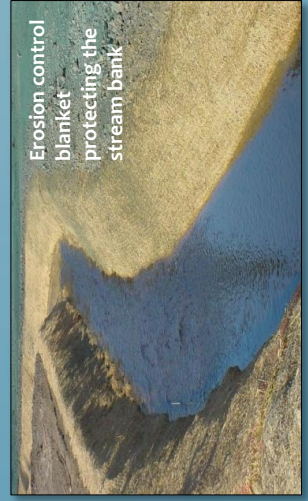
STREAM BANK STABILIZATION



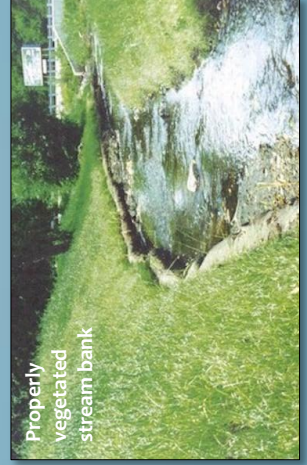
Know what's below.
Call before you dig.

Stream bank erosion is a common problem which causes deterioration of the streambank and decreases the water quality in the stream. The following guidelines can decrease the potential for erosion:

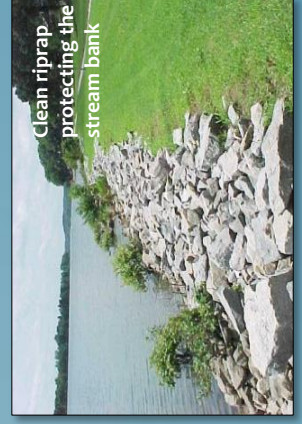
- When removing a tree from a stream bank, be sure to keep the root system in the ground to help prevent erosion and sediment run off.
- Warm season and wet weather native grass seed should be planted within 15 to 20 feet of the stream bank on both sides, or wherever top soil is exposed. This will prevent soil erosion and also act as a buffer to protect the stream from pesticides and different chemicals. When planting seed, erosion control blankets should be utilized to assist in germination and to reduce erosion.
- Clean riprap can also be used to protect stream banks from erosion. Riprap can be anything from stone to crushed up concrete (except items that have chemicals such as asphalt).



Erosion control blanket protecting the stream bank



Properly vegetated stream bank



Clean riprap protecting the stream bank

Floodplain Areas

The Village of Burr Ridge restricts the storage of topsoil, gravel, and other fill material in the floodplain. This material can wash into a stream and potentially divert or elevate flood water. Other unsuitable buoyant material such as lumber, construction materials, and yard waste can block culverts and bridges which can also elevate floodwater.

The village of Burr Ridge does provide flood determinations. If you would like to perform work in the floodplain, please contact the Village of Burr Ridge Engineering Division at (630-323-4733).



Village of Burr Ridge Department of Public Works

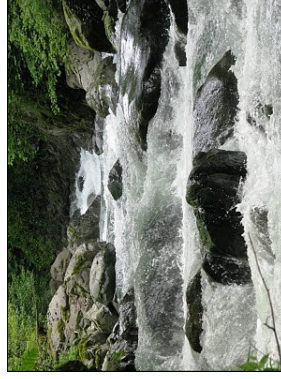


A Very Special Place



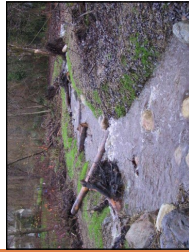
*Village of Burr Ridge Department of
Public Works*

Burr Ridge Department of Public Works
451 Commerce Street
Burr Ridge, IL 60527
Phone: (630) 323-4733
Fax: (630) 323-4798
Hours of Operation: Monday through
Friday, 7 a.m. to 3 p.m.



Stream Maintenance

Stream Maintenance: Responsibility



The property owner who owns this lot is responsible for clearing the debris

A common concern often raised by landowners involves a situation where

debris accumulate in stream channels and obstructs the stream flow. When this occurs it contributes to flooding, stream bank erosion and property damage. The responsibility to remove obstructions from the stream lies with the property owner or homeowners association.

Landowners should conduct routine stream inspections twice a year to identify stream obstructions, and special inspections should be made after large rainfall events or windstorms. Removal of debris should be made during "low" flow periods, usually mid to late summer or autumn. When removing logs and debris from the stream channel, avoid pulling out whole trees unless the roots have completely detached from the stream bank. Alternatively, cutting the tree trunk from its base and

leaving the stump in the ground will prevent soil erosion and sediment runoff, as the roots help to stabilize the streambank. If possible, keep all machinery from entering the stream channel because toxic substances such as oil and gasoline may leak into the stream. If in-channel work must be performed, please contact the Village of Burr Ridge Engineering Division (630-323-4733).

Managing Yard Waste

A common cause of blockage in stream channels is yard waste that is deposited into the stream or along its banks. During a time of flooding, yard wastes can accumulate behind a drain inlet or other debris, such as a fallen branch, which can cause a blockage. Therefore, do not dump any yard waste into a stream, or place any yard waste along the stream banks. Alternative solutions are to leave grass clippings on the lawn or compost them with leaves and other vegetative material.



A homemade compost bin can be used to dispose of yard waste



Vegetation

One of the best steps that property owners can take to avoid erosion, flooding, and water quality problems is to seed and maintain vegetation around waterways. Warm season and wet weather native grass seed should be planted within 15 to 20 feet of the stream bank on both sides, or wherever top soil is exposed. Trees should be planted close enough to provide the stream with shade, but not so close that future changes to the channel will cause the tree to fall into the stream. Grass and tree roots absorb water runoff, prevent soil erosion, and improve water quality by shading surface water and "buffering" fertilizers, pesticides, and other chemicals that would otherwise end up in the stream.

If you have any questions on the information presented above, please

Village of Burr Ridge
Department of Public Works

Burr Ridge Department of Public Works
451 Commerce Street
Burr Ridge, IL 60527
Phone: (630) 323-4733
Fax: (630) 323-4798



Water Conservation

Conserve water inside of your home:

- A leaky faucet can waste up to 150 gallons a month, and a leaky toilet can waste up to 200 gallons a day.
- Only use your dishwasher when it is full.
- Keep pitcher of water in your refrigerator so you don't have to waste water when waiting for your tap water to get cold.
- Use a cup full of water when shaving instead of keeping your water on, also turn the water off while brushing your teeth.
- Visit <http://www.wateruseitwisely.com/> for more water saving tips!



Water Conservation



Conserve water outside of your home:

- Use a broom as an alternative to rinsing a driveway or garage.
- Use a drip hose to water your garden to avoid evaporation.
- Utilize a rain barrel to use during the hot summer months.
- Choose plants that are drought resistant.
- A lawn only needs about an inch a week, overwatering is just as dangerous as under watering.
 - Also, water your lawn in the morning or at night to minimize evaporation.
- Use a grease pencil to mark the water level of your pool at the skimmer. Check the mark 24 hours later to see if you have a leak.
- Go to <http://www.wateruseitwisely.com> for over one hundred more water saving tips.



Rain Barrels



Drip hose irrigation





DU PAGE COUNTY
ECONOMIC DEVELOPMENT & PLANNING
Daniel J. Cronin, County Board Chairman

BUILDING & ZONING ♦ ECONOMIC DEVELOPMENT ♦ ENVIRONMENTAL CONCERNS ♦ LAND USE ♦ STORMWATER MANAGEMENT
STORMWATER PERMITTING ♦ TRAILS ♦ TRANSIT PLANNING ♦ WETLAND PROTECTION ♦ WORKFORCE DEVELOPMENT

421 N. County Farm Road
Wheaton, IL 60187

(630) 407-6700 Phone
(630) 407-6701 Fax

MEMORANDUM

Date: September 30, 2014

To: Stormwater Management Planning Committee

From: Anthony Charlton, P.E., Director

Re: Program Assessment Survey Results

DuPage County Stormwater Management has been actively engaging communities in the Program Assessment process by meeting with mayors and managers from each district. The purpose of the meetings was to familiarize the representatives with each of Stormwater Management’s program areas, as well as provide an overview of an online survey that each municipality was asked to complete.

To date, all of the district meetings have been completed and survey responses have been received from 30 municipalities, including Addison, Aurora, Bartlett, Bensenville, Bloomingdale, Burr Ridge, Carol Stream, Clarendon Hills, Darien, Downers Grove, Elk Grove Village, Elmhurst, Glendale Heights, Hanover Park, Hinsdale, Itasca, Lisle, Lombard, Naperville, Oak Brook, Roselle, Villa Park, Warrenville, West Chicago, Westmont, Wheaton, Willowbrook, Winfield, Wood Dale and Woodridge. Eight municipalities did not respond to the survey, including Batavia, Bolingbrook, Glen Ellyn, Lemont, Oakbrook Terrace, Schaumburg, St. Charles and Wayne.

Staff has analyzed the survey results, specifically the proposed services that each community ranked. The following information includes these results, as well as the summary of all survey responses. Attachments include:

1. **Services ranked by popularity among communities.** Several factors were looked at, including population, watershed and waiver status to determine the most desirable services that communities expect from a Stormwater Management program. These are organized into three levels, based on the survey responses, with additional services following. The additional services may have been well received by some groups, but may not be mandatory services at this time.
2. **Survey results.** The complete survey summary of each question can be found in this packet. Aside from the services, the other questions provide a narrative of how the communities perceive DuPage County Stormwater Management. In addition, a list of communities’ projects and other comments may be found here.

Attachment: Survey Responses (13-14-595 : Program Assessment Survey Results)

**DU PAGE COUNTY
ECONOMIC DEVELOPMENT & PLANNING**

Daniel J. Cronin, County Board Chairman

**BUILDING & ZONING ♦ ECONOMIC DEVELOPMENT ♦ ENVIRONMENTAL CONCERNS ♦ LAND USE ♦ STORMWATER MANAGEMENT
STORMWATER PERMITTING ♦ TRAILS ♦ TRANSIT PLANNING ♦ WETLAND PROTECTION ♦ WORKFORCE DEVELOPMENT**

**421 N. County Farm Road
Wheaton, IL 60187****(630) 407-6700 Phone
(630) 407-6701 Fax**

3. **Services response chart.** This chart ranks the responses for each potential service on a 1-5 scale and further breaks it down by population, watershed and waiver status. This is the basis for the survey rankings and following graphs.
4. **Service response graphs.** These provide a graphical representation of the survey responses specific to potential services, including overall desirability and those that met the minimum threshold of interest.

The next steps in the Program Assessment process are as follows:

1. Stormwater Committee approval of survey responses.
2. Countywide meeting with municipalities to discuss survey results. DuPage County will host this meeting.
3. Inclusion of survey results and services into the draft Program Assessment.
4. Bring draft Program Assessment back to Stormwater Committee in November for approval to go to public comment.
5. Following that, open up the public comment period.
6. Present final Program Assessment to Stormwater Committee in January.
7. Begin financing discussion.

Attachment: Survey Responses (13-14-595 : Program Assessment Survey Results)

Program Assessment Survey Results – Services

The three levels below are services that were desired by the majority of the communities surveyed. They are ranked by the level of importance to the communities, which is the score they received on the surveys. All achieving an average of 3 or above (broad support), all three levels are recommended for inclusion in a base Stormwater Management plan because of their overall desirability to municipalities. Below these three levels are additional services that were favored by some communities and categorical breakdowns (population, watershed and waiver status), but did not meet an overall average of 3 or above. These additional services may still be considered for inclusion in a base Stormwater Management program; however, additional outreach to communities may be necessary.

Level 1

- Re-establish a capital program for new projects and flood control facilities.
- Offer a municipal flood control project grant program.
- Enhance digital accessibility of floodplain maps.
- Partner with communities in local watershed planning efforts.

Level 2

- Implement a regular map maintenance program.
- Maintain and update hydrological, hydraulic and water quality models.
- Assist communities with LOMR updates.
- Update and maintain wetland maps.
- Enhance the stream obstruction clearing program.
- Complete all watershed plans to allow for more grant opportunities.
- Create a streambank stabilization program.
- Decrease permit review turn-around time.
- Update older watershed plans to include water quality projects.
- Enhance water quality education activities, both general and technical training.

Level 3

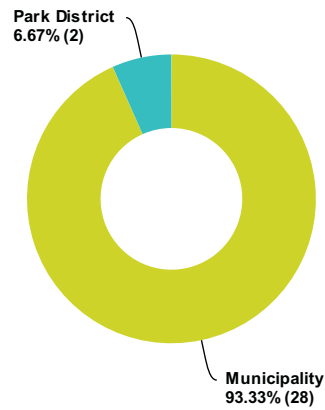
- Establish stable funding to allocate for the buyout program.
- Create a completely regional program for NPDES requirements.
- Create a GIS database for storm sewers across municipal boundaries.
- Enhance the Water Quality Improvement Grant program.
- Identify water quality projects in each major watershed.
- Offer County assistance with community-based green infrastructure projects.
- Reduce the floodplain mapping cycle to 10 years.
- Develop an electronic permit submittal program.

Additional Services

- Create a detention pond maintenance program.
- Provide storm sewer televising.
- Provide storm sewer cleaning/jetting.
- Provide detention pond outlet cleaning.
- Update permit tracking software.
- Target watershed-specific buyouts for greater effectiveness.
- Create a regular cycle for community audits.
- Expand NPDES permit compliance services.
- Create detention pond inspection program.

Q1 Your organization is a:

Answered: 30 Skipped: 0



Answer Choices	Responses
Municipality	93.33% 28
Park District	6.67% 2
Forest Preserve	0.00% 0
Township	0.00% 0
Other (please specify)	0.00% 0
Total	30

#	Other (please specify)	Date
	There are no responses.	

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q2 Please enter the name of your organization.

Answered: 30 Skipped: 0

#	Responses	Date
1	City of Darien	8/25/2014 2:51 PM
2	City of Elmhurst	8/5/2014 9:11 AM
3	Village of Glendale Heights	7/31/2014 11:08 AM
4	City of Wood Dale	7/25/2014 11:13 AM
5	Village of Itasca	7/23/2014 3:35 PM
6	Elk Grove Village	7/22/2014 3:24 PM
7	Village of Willowbrook	7/22/2014 11:15 AM
8	Village of Villa Park	7/21/2014 12:52 PM
9	Village of Lisle	7/21/2014 9:57 AM
10	City of West Chicago	7/18/2014 4:04 PM
11	Village of Downers Grove	7/18/2014 1:17 PM
12	Village of Carol Stream	7/17/2014 12:41 PM
13	Village of Winfield	7/17/2014 9:56 AM
14	Village of Westmont	7/16/2014 12:23 PM
15	City of Naperville	7/11/2014 9:01 AM
16	City of Warrenville	7/10/2014 4:04 PM
17	Village of Bensenville	7/10/2014 8:01 AM
18	Village of Bartlett	7/10/2014 7:21 AM
19	Village of Roselle	7/9/2014 4:26 PM
20	Village of Bloomingdale	7/9/2014 3:03 PM
21	City of Wheaton	7/8/2014 4:12 PM
22	Village of Hinsdale	7/7/2014 1:36 PM
23	Village of Oak Brook	7/7/2014 12:47 PM
24	Village of Hanover Park	7/3/2014 2:58 PM
25	Village of Woodridge	6/20/2014 10:23 AM
26	Village of Addison	6/18/2014 1:25 PM
27	City of Aurora	6/13/2014 1:41 PM
28	Village of Lombard	6/11/2014 3:12 PM
29	Village of Burr Ridge	6/10/2014 1:46 PM
30	Village of Clarendon Hills	6/6/2014 11:40 AM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

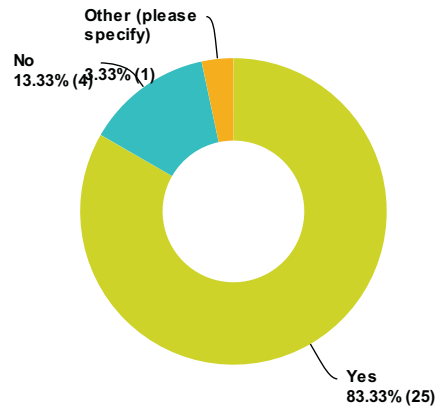
Q3 Please enter the email address for your organization's main point of contact.

This Page Has
Been Removed

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q4 Did any member of your organization meet with representatives from the DuPage County Stormwater Management Planning Committee and staff regarding the proposed stormwater plan update prior to taking this survey?

Answered: 30 Skipped: 0



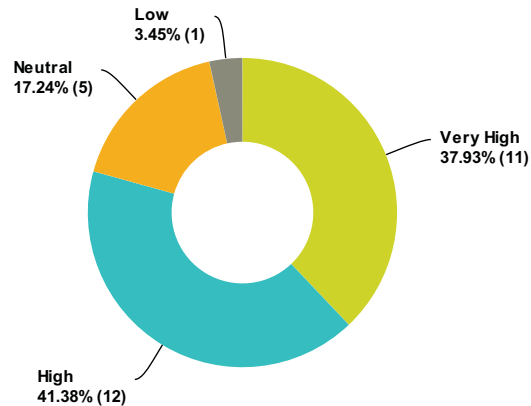
Answer Choices	Responses
Yes	83.33% 25
No	13.33% 4
Other (please specify)	3.33% 1
Total	30

#	Other (please specify)	Date
1	Yes, Itasca was represented at the District 1 meeting	7/23/2014 3:35 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q5 Watershed plans identify either flood mitigation, environmental resource or water quality projects, which are important to securing project funds from state, federal and local sources. How important to your organization is completing the watershed plans?

Answered: 29 Skipped: 1



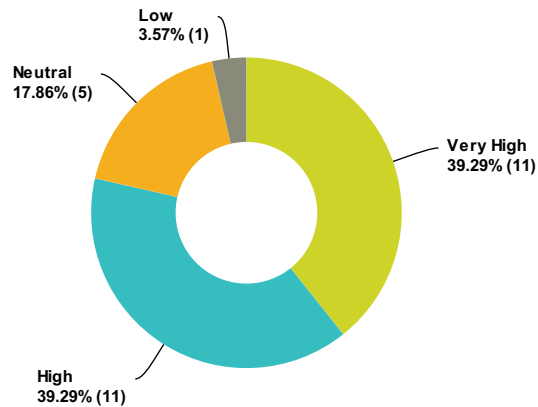
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	37.93% 11	41.38% 12	17.24% 5	3.45% 1	0.00% 0	29	4.14

#	Other (please specify)	Date
1	The lower Salt Creek Watershed plan is already completed.	8/5/2014 9:22 AM
2	In watersheds where studies have been completed, to our knowledge no projects have been pursued which benefit the Village.	7/22/2014 11:39 AM
3	The river Dumoulin Flood Control Plan considered the existing levee as a viable long term flood control device. The levee is privately owned, constructed of unconsolidated material and has numerous encroachments all of which make this a non-viable flood control structure.	7/21/2014 10:15 AM
4	Very high for completing the watershed plans for West Branch Dupage River and Kress Creek and all of its tributaries.	7/18/2014 4:13 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q6 DuPage County currently only funds flood mitigation projects through grants. The difficulty in securing grant funding has created a backlog of projects. How important to your organization is project construction to alleviate flooding?

Answered: 28 Skipped: 2



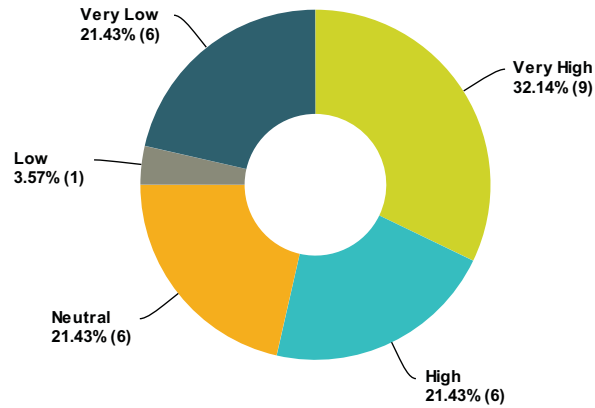
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	39.29% 11	39.29% 11	17.86% 5	3.57% 1	0.00% 0	28	1.86

#	Other (please specify)	Date
1	Current grant funding does not include localized funding, no matter how severe.	8/5/2014 9:22 AM
2	To the best of our knowledge, there are no proposed projects under consideration by the County which would alleviate flooding in Willowbrook.	7/22/2014 11:39 AM
3	Again as the primary flood control feature in Lisle is the levee for which the Village has little ownership or permitted access, we do not have any projects to be funded in Lisle.	7/21/2014 10:15 AM
4	Associated with West Branch DuPage River and Kress Creek and all of its tributaries.	7/18/2014 4:13 PM
5	Regional projects should rank high whereas local (municipal/township) projects should not be funded by the County.	7/17/2014 12:41 PM
6	Awaiting results of Watershed study	7/17/2014 10:00 AM
7	There is a need to distribute funds proportionately based upon contributions	6/20/2014 10:37 AM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q7 DuPage County has more than 220 eligible, flood-prone properties on the voluntary property buyout list. How important to your organization is buying out flood-prone properties?

Answered: 28 Skipped: 2



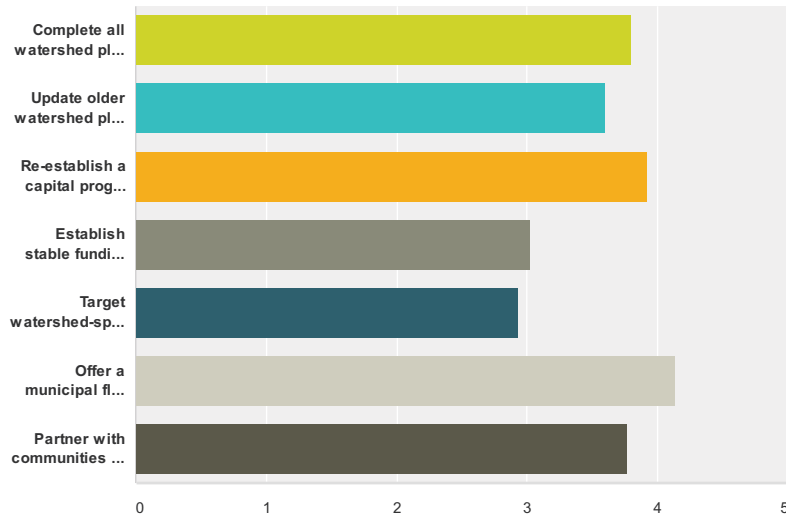
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	32.14% 9	21.43% 6	21.43% 6	3.57% 1	21.43% 6	28	2.61

#	Other (please specify)	Date
1	Elmhurst has no homes on this list, but would like to have some homes added.	8/5/2014 9:22 AM
2	To the best of our knowledge, there are no properties in the Village that are on the buyout list.	7/22/2014 11:39 AM
3	This is the Village's primary flood mitigation measure.	7/21/2014 10:15 AM
4	This is the most cost effective solution and permanently eliminates all flood damages to that property and therefore should be ranked at the very highest level. Flood control projects do not achieve that level of protection and are considerably more expensive. Floodproofing (elevating) has never been actively supported either through funding, assistance, planning, education or design. Some type of County Floodproofing Program should be developed and implemented.	7/17/2014 12:41 PM
5	Concern is for equitable use of dollars	7/17/2014 10:00 AM
6	within corporate limits	7/9/2014 4:33 PM
7	Including properties not in the federal floodplain	6/6/2014 11:45 AM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q8 DuPage County Stormwater Management could expand upon the current watershed management program to offer more assistance to other entities. Some initiatives are outlined below. Please rate how interested your organization would be in each expanded offering.

Answered: 30 Skipped: 0



	Not Interested	Neutral	Somewhat Interested	Interested	Very Interested	N/A	Total	Average Rating
Complete all watershed plans to allow for more grant opportunities.	0.00% 0	20.00% 6	16.67% 5	26.67% 8	36.67% 11	0.00% 0	30	3.80
Update older watershed plans to include water quality projects.	0.00% 0	16.67% 5	30.00% 9	30.00% 9	23.33% 7	0.00% 0	30	3.60
Re-establish a capital program for new projects and flood control facilities.	0.00% 0	10.00% 3	20.00% 6	36.67% 11	33.33% 10	0.00% 0	30	3.93
Establish stable funding to allocate for the buyout program.	27.59% 8	13.79% 4	13.79% 4	17.24% 5	27.59% 8	0.00% 0	29	3.03
Target watershed-specific buyouts for greater effectiveness.	26.67% 8	16.67% 5	16.67% 5	16.67% 5	23.33% 7	0.00% 0	30	2.93
Offer a municipal flood control project grant program.	0.00% 0	6.67% 2	20.00% 6	26.67% 8	46.67% 14	0.00% 0	30	4.13
Partner with communities in local watershed planning efforts.	0.00% 0	16.67% 5	20.00% 6	33.33% 10	30.00% 9	0.00% 0	30	3.77

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q9 What is your organization's definition of a regional project that should be funded entirely by the County?

Answered: 27 Skipped: 3

#	Responses	Date
1	A regional project should incorporate any area that has a mainline tributary through their corporate boundary.	8/25/2014 2:52 PM
2	A project that benefits more than one municipality	8/7/2014 11:52 AM
3	Regional projects should benefit multiple communities.	8/5/2014 9:22 AM
4	a project with benefit to cost ratio of 1.0 or higher that is located within the floodplain of a major waterway	7/25/2014 11:16 AM
5	Projects that benefit multiple jurisdictions, including those up and downstream	7/23/2014 3:37 PM
6	A project that will benefit multiple municipalities within the County. (Ex. Busse Woods Dam Modification Project)	7/22/2014 3:33 PM
7	A project that benefits a flood-prone area that accepts runoff from multiple jurisdictions, or a project that has regional benefits from reduced flooding, such as arterial streets or regional employment centers.	7/22/2014 11:39 AM
8	Benefits more than one taxing body	7/21/2014 12:56 PM
9	One that has direct impact or benefit to multiple municipalities and multiple property owners.	7/18/2014 4:13 PM
10	Please see attached letter to Anthony Charlton dated July 14, 2014 from David Fieldman	7/18/2014 1:45 PM
11	Any project that can be shown to effectively and efficiently alleviate storm water runoff problems (flood damages, soil erosion, etc.) that has been caused in part by runoff from other jurisdictions or mitigates problems in other jurisdictions and is not a project that is the result of a law or requirement.	7/17/2014 12:41 PM
12	Municipalities that benefit should share in costs.	7/17/2014 10:00 AM
13	Projects that have a larger tributary area and affect mapped floodplains. Projects that affect multiple jurisdictions.	7/16/2014 12:43 PM
14	Any project located along Salt Creek, the East or the West Branch of the DuPage River or along one of the tributaries that is located in multiple municipalities.	7/11/2014 9:02 AM
15	A regional project is one that benefits or impacts more than one municipality.	7/10/2014 4:08 PM
16	A project that is necessary to assist municipalities with storm water control due to storm water generated from watersheds that span multiple municipalities. These should be given higher priority to those on the down stream end of the watershed as they take on larger quantities of water from the up stream municipalities	7/10/2014 8:07 AM
17	One that benefits more than one municipality.	7/9/2014 4:33 PM
18	Village does not have an "organizational definition"	7/9/2014 3:27 PM
19	Size of drainage area greater than 1 sq. mile	7/8/2014 4:16 PM
20	Project in a watershed that involves two or more governmental bodies ("involves" can be defined as areas with flooding problems as well as areas that are the source of the flood waters.)	7/7/2014 1:44 PM
21	Assuming a stormwater utility, any related project would qualify.	7/7/2014 12:51 PM
22	A regional project addresses drainage/flooding that involves multiple communities, significant levels of damage and involves funds from all the participating / benefitting agencies.	6/20/2014 10:37 AM
23	Project benefitting multiple jurisdictions or have upstream or downstream impacts.	6/18/2014 1:27 PM
24	A project that lowers the BFE within a mapped Floodway, meaning greater than 640 acres tributary.	6/13/2014 1:41 PM
25	Regional projects should not be required to benefit multiple jurisdictions. A regional project should include projects within a single jurisdiction.	6/11/2014 3:15 PM
26	Significant capital projects that can be expected to eliminate repetitive losses in multiple communities.	6/10/2014 1:50 PM
27	Any project where the solution and the origin of the problem are in different jurisdictions	6/6/2014 11:45 AM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q10 What is your organization's definition of a local project that should qualify for a cost-share from DuPage County?

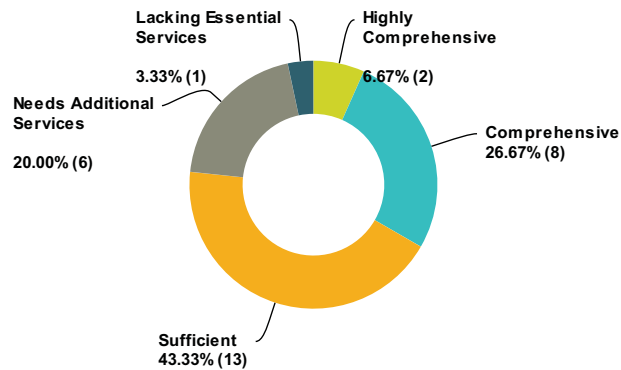
Answered: 28 Skipped: 2

#	Responses	Date
1	Neighborhood drainage projects in rural areas	8/25/2014 2:52 PM
2	A project that is within one municipality but benefits one or more other municipalities	8/7/2014 11:52 AM
3	A project benefiting a single community for mitigating flooding/flood damage.	8/5/2014 9:22 AM
4	a project with a benefit to cost ratio of 1.0 or higher	7/25/2014 11:16 AM
5	Projects that primarily benefit one jurisdiction, but have ancillary benefits to other jurisdictions	7/23/2014 3:37 PM
6	Local project that would provide Countywide benefits such as culvert replacement that could reduce flooding and provide traffic benefits.	7/22/2014 3:33 PM
7	A project aimed at alleviating flooding which impacts more than one (1) property, and would eliminate flooding of structures (not nuisance flooding).	7/22/2014 11:39 AM
8	Positive benefit/cost ratio or alleviate flooding to publicly owned facilities	7/21/2014 12:56 PM
9	Streambank stabilization, storm sewer improvements and detention basin construction	7/21/2014 10:15 AM
10	One that has direct impact or benefits only a single municipality or property owner.	7/18/2014 4:13 PM
11	Please see attached letter to Anthony Charlton dated July 14, 2014 from David Fieldman	7/18/2014 1:45 PM
12	Only regional projects should qualify for DuPage County funding.	7/17/2014 12:41 PM
13	Projects within the floodplain	7/17/2014 10:00 AM
14	Projects that address Low Depressional Areas with 20 acres or more of tributary area, regardless of whether there is an outlet or not, that cause flooding of buildings and streets. These projects are generally not located along mapped floodplains, but can affect residents just as drastically.	7/16/2014 12:43 PM
15	Any regional project	7/11/2014 9:02 AM
16	A local project is one that benefits or impacts more than one property owner in one municipality.	7/10/2014 4:08 PM
17	A project that relieves local flooding issues completed contained within the municipality limits	7/10/2014 8:07 AM
18	One that provides only a local benefit (vs. regional benefit).	7/9/2014 4:33 PM
19	Village does not have an "organizational definition"	7/9/2014 3:27 PM
20	regional in scope ie:.stream bank stabilization/channel dredging	7/8/2014 4:16 PM
21	A flooding issue within one governmental body's boundary, the solution to which exceeds the normally accepted cost of storm water management/flood control.	7/7/2014 1:44 PM
22	Any project affecting the waterway or upstream/downstream riparian neighboring communities.	7/7/2014 12:51 PM
23	The local agency should decide on method and funds to address local projects. County funding could be allocated to 'assist' based on proportionate contributions to a pool. Alternatively, it could be a loan pool.	6/20/2014 10:37 AM
24	Neighborhood issues such as drainage.	6/18/2014 1:27 PM
25	A project involving less than 640 acres but crosses multiple jurisdictions.	6/13/2014 1:41 PM
26	Projects that impact a small geographic area, possible defined as 5 or fewer properties.	6/11/2014 3:15 PM
27	Local flood control projects or NPDES compliance which exhibit a positive cost-benefit for more than one community.	6/10/2014 1:50 PM
28	Any non-regional public project that addresses stormwater issues utilizing County recognized Best management practices.	6/6/2014 11:45 AM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q11 Based on DuPage County Stormwater Management's program assessment, please rate the watershed management program's overall services with respect to watershed planning, flood-prone property buyouts and regional project design and construction.

Answered: 30 Skipped: 0



	Highly Comprehensive	Comprehensive	Sufficient	Needs Additional Services	Lacking Essential Services	Total	Average Rating
(no label)	6.67% 2	26.67% 8	43.33% 13	20.00% 6	3.33% 1	30	2.87

#	Other (please specify)	Date
1	The County overall has a fairly comprehensive Stormwater Management Program (Program). However, services that are lacking in the sense of funding include Flood Control Projects, Water Quality Improvement Program and Flood Plain Structure Buyouts. A service that should be added is a Floodproofing Program.	7/17/2014 12:41 PM
2	Buyouts not spread equitably.	7/17/2014 10:00 AM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q12 Please include any additional services or enhancements your organization would like to see included in DuPage County Stormwater Management's watershed management program.

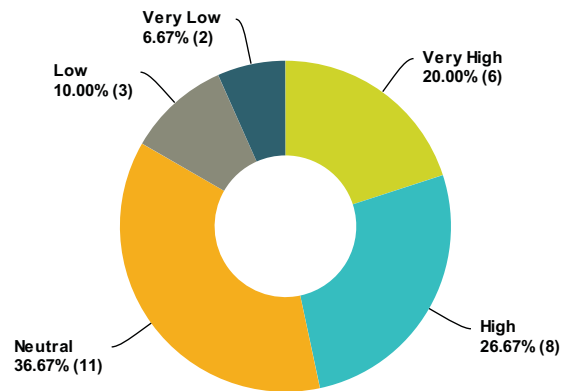
Answered: 17 Skipped: 13

#	Responses	Date
1	Creek bed maintenance and bank stabilization	8/25/2014 2:52 PM
2	None	8/5/2014 9:22 AM
3	provide municipalities with additional funding for buyouts and capital projects that reduce flooding	7/25/2014 11:16 AM
4	(none)	7/22/2014 11:39 AM
5	Collective participation in CRS	7/21/2014 12:56 PM
6	Flood prone property buyout and watershed studies, including updated floodplain models	7/21/2014 10:15 AM
7	Regional or local projects associated with Kress Creek and its unnamed tributaries in the City of West Chicago	7/18/2014 4:13 PM
8	Please see attached letter to Anthony Charlton dated July 14, 2014 from David Fieldman	7/18/2014 1:45 PM
9	Same comment as 11 above.	7/17/2014 12:41 PM
10	Increase emphasis on stream and bank clean-up.	7/17/2014 10:00 AM
11	1) Our Village would like to see a cost-share for low depression area flooding projects; including mapping of these areas, preliminary drainage study engineering with the determination of Base Flood Elevations for these areas, final engineering of stormwater management projects, and construction of stormwater management projects.	7/16/2014 12:43 PM
12	No others	7/11/2014 9:02 AM
13	much more emphasis must be made on streambank maintenance	7/10/2014 8:07 AM
14	No additional other than those outlined above.	7/9/2014 3:27 PM
15	Support of local flooding issues where the solution exceeds the local municipality's ability to fund.	7/7/2014 1:44 PM
16	N/A	6/20/2014 10:37 AM
17	Creek restoration and erosion control.	6/18/2014 1:27 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q13 Currently, 2 of the 6 measures within DuPage County's NPDES permit are regional efforts. Having an entirely regional program could remove a burden from municipalities. How interested is your organization in having DuPage County assume responsibility for NPDES permit compliance?

Answered: 30 Skipped: 0

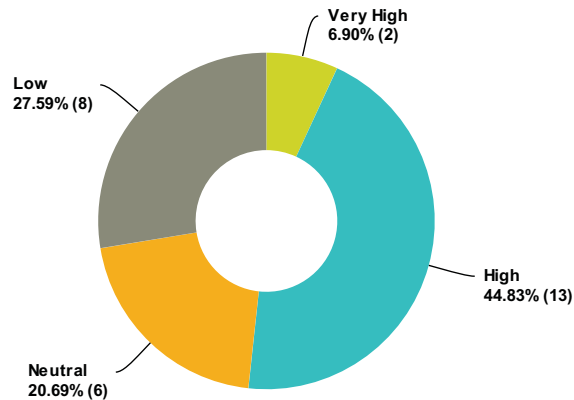


	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	20.00% 6	26.67% 8	36.67% 11	10.00% 3	6.67% 2	30	3.43

#	Other (please specify)	Date
1	The current level of County assistance is adequate.	8/5/2014 9:24 AM
2	Some of these activities may still need to be accomplished by municipalities and townships such as street sweeping.	7/17/2014 12:41 PM
3	Between neutral and high, but closer to neutral	7/11/2014 9:04 AM
4	Support should be dependent on cost incurred for the preparation	6/20/2014 10:40 AM
5	Aurora would utilize the Kane County Program	6/13/2014 1:41 PM
6	how would this resolve the fact that the municipality is still the operator of the ms4?	6/6/2014 11:50 AM

Q14 DuPage County's Water Quality Improvement Grant Program is currently funded at \$300,000 annually with funding requests reaching \$1.7 million in fiscal year 2014. How important to your organization is sustaining this program?

Answered: 29 Skipped: 1



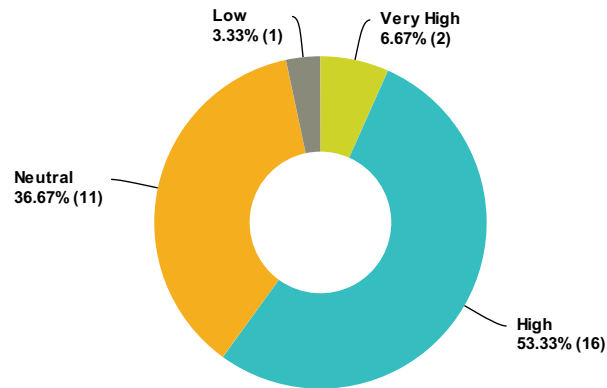
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	6.90% 2	44.83% 13	20.69% 6	27.59% 8	0.00% 0	29	3.31

#	Other (please specify)	Date
1	Elmhurst's primary interest is in localized flooding mitigation.	8/5/2014 9:24 AM
2	What is the source of the funding?	7/22/2014 11:47 AM
3	Although this is a very important element the WQIGP needs to be balanced against other needs of the Program.	7/17/2014 12:41 PM
4	Should be reconciled with the plans for #10/local grants.	6/20/2014 10:40 AM
5	Aurora funding would be through the Kane County Program	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q15 Of the watersheds studied in DuPage County, the water quality projects identified are limited to streambank stabilization and riparian restoration projects. Without projects being identified in approved plans, it is difficult to grant fund water quality projects through grants. How important to your organization is retroactively adding water quality projects to existing watershed plans?

Answered: 30 Skipped: 0



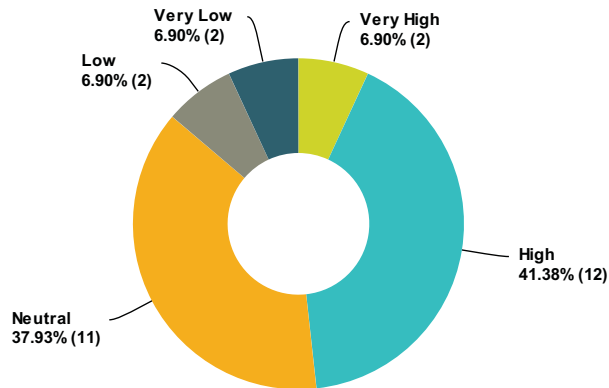
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	6.67% 2	53.33% 16	36.67% 11	3.33% 1	0.00% 0	30	3.63

#	Other (please specify)	Date
1	How are projects identified for grant funding?	8/5/2014 9:24 AM
2	These projects are crucial to the success of POTW's phosphorous permit limit agreements with IEPA. However, projects must be carefully scrutinized for their ability to meet Clean Water Act (CWA) goals.	7/17/2014 12:41 PM
3	Between neutral and high, but closer to neutral	7/11/2014 9:04 AM
4	Please see #16 - regional projects with funding to DRSCW are preferred.	6/20/2014 10:40 AM
5	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q16 Regional water quality projects in DuPage County, such as the Churchill Woods Dam Removal, have been very successful in bringing local waterways out of impairment. However, these projects are currently only grant-funded. How important to your organization is project construction to improve the quality of DuPage County's streams, rivers and other natural areas?

Answered: 29 Skipped: 1



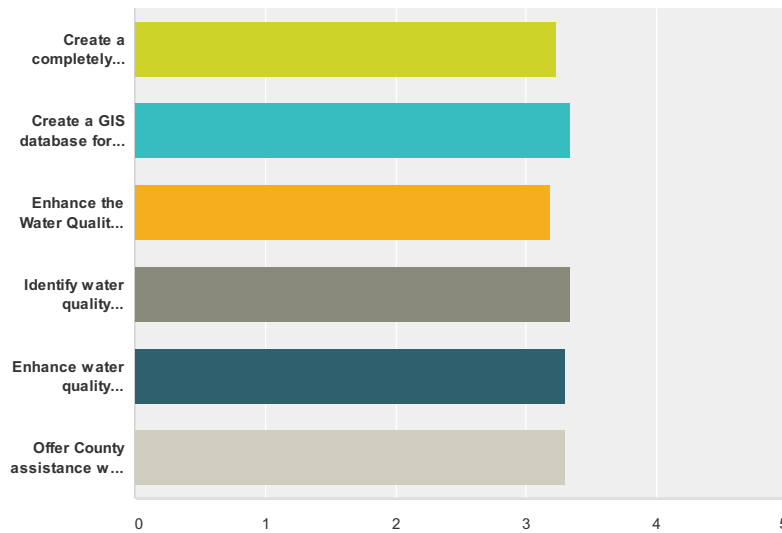
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	6.90% 2	41.38% 12	37.93% 11	6.90% 2	6.90% 2	29	3.34

#	Other (please specify)	Date
1	How would project construction be identified?	8/5/2014 9:24 AM
2	Same comment as 15 above.	7/17/2014 12:41 PM
3	Between neutral and low, but close to low	7/11/2014 9:04 AM
4	Coordinate projects through DRSCW	6/20/2014 10:40 AM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q17 DuPage County Stormwater Management could expand upon the current water quality program to offer more assistance to communities. Some initiatives are outlined below. Please rate how interested your organization would be in each expanded offering.

Answered: 30 Skipped: 0

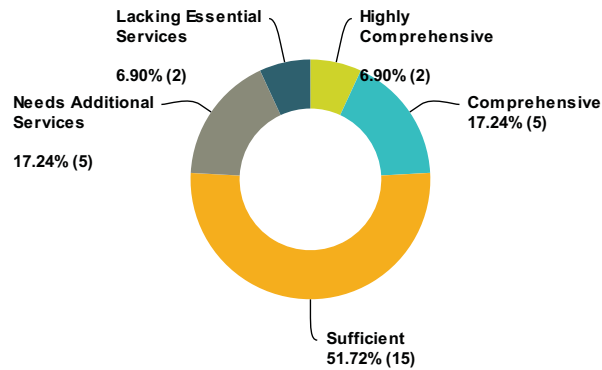


	Not Interested	Neutral	Somewhat Interested	Interested	Very Interested	N/A	Total	Average Rating
Create a completely regional program for NPDES requirements.	16.67% 5	20.00% 6	6.67% 2	30.00% 9	23.33% 7	3.33% 1	30	3.24
Create a GIS database for storm sewers across municipal boundaries.	20.00% 6	10.00% 3	10.00% 3	30.00% 9	26.67% 8	3.33% 1	30	3.34
Enhance the Water Quality Improvement Grant program	6.90% 2	31.03% 9	17.24% 5	20.69% 6	20.69% 6	3.45% 1	29	3.18
Identify water quality projects in each major watershed.	10.00% 3	23.33% 7	13.33% 4	23.33% 7	26.67% 8	3.33% 1	30	3.34
Enhance water quality education activities, both general and technical training.	6.67% 2	20.00% 6	26.67% 8	30.00% 9	16.67% 5	0.00% 0	30	3.30
Offer County assistance with community-based green infrastructure projects.	6.67% 2	26.67% 8	16.67% 5	30.00% 9	20.00% 6	0.00% 0	30	3.30

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q18 Based on DuPage County Stormwater Management's program assessment, please rate the water quality program's overall services with respect to NPDES permit compliance, the Water Quality Improvement Grant Program and regional water quality project design and construction.

Answered: 29 Skipped: 1



	Highly Comprehensive	Comprehensive	Sufficient	Needs Additional Services	Lacking Essential Services	Total	Average Rating
(no label)	6.90% 2	17.24% 5	51.72% 15	17.24% 5	6.90% 2	29	3.00

#	Other (please specify)	Date
1	The new permit is looking to add water quality sampling. Additional services will be needed to assist communities.	7/21/2014 10:23 AM
2	NPDES services are very comprehensive and compliant, but will need to be expanded and enhanced to stay in compliance with new mandates. The WQIGP lacks essential funding. The County doesn't have a regional plan in place for water quality projects for design and construction, but one is needed.	7/17/2014 12:41 PM
3	NA, not familiar with program, since we utilize the Kane SWM ordinance	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q19 Please include any additional services or enhancements your organization would like to see included in DuPage County Stormwater Management's water quality program.

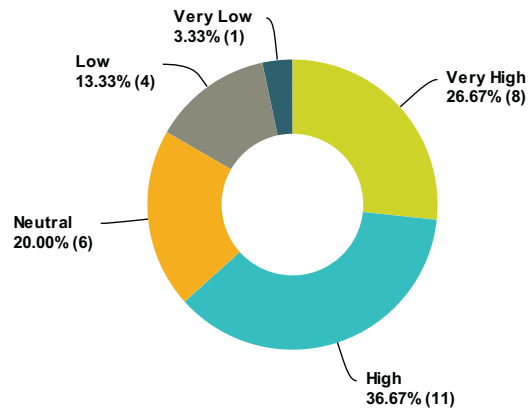
Answered: 11 Skipped: 19

#	Responses	Date
1	Maintain critical out fall structures to prevent bottle necks upstream	8/25/2014 2:53 PM
2	Continue education and training.	8/5/2014 9:24 AM
3	more initiative taken to remove debris and fallen trees from salt creek	7/25/2014 11:17 AM
4	(none)	7/22/2014 11:47 AM
5	Expanded IDDE program, a look at existing detention basins and long-term maintenance, especially sediment removal. Possible construction of a decant facility for sediment removal as done in King County WA.	7/21/2014 10:23 AM
6	Please see attached letter to Anthony Charlton dated July 14, 2014 from David Fieldman	7/18/2014 1:46 PM
7	Same comment as 18 above.	7/17/2014 12:41 PM
8	Maintain a Countywide storm sewer GIS layer that would include at a minimum storm structure RIM and INV elevations, storm sewer type, and location for major storm sewers in drainage studies. At some point, it would even be better to have this information for all storm sewers in a community.	7/16/2014 12:51 PM
9	Stormwater treatment, enhanced green infrastructure initiatives	7/9/2014 4:34 PM
10	Countywide Quarterly Monitoring & Outfall Inspections per Draft ILR40 Permit;; Expand Streambank Stabilization & Stream Maintenance Programs	7/9/2014 3:30 PM
11	NA	6/20/2014 10:40 AM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q20 DuPage County Stormwater Management's floodplain mapping program identifies structures in the floodplain, as well as structures that may have come out of the floodplain because of flood mitigation projects. However, currently, this requires 20 year cycle. How important to your organization is expediting the floodplain mapping cycle?

Answered: 30 Skipped: 0



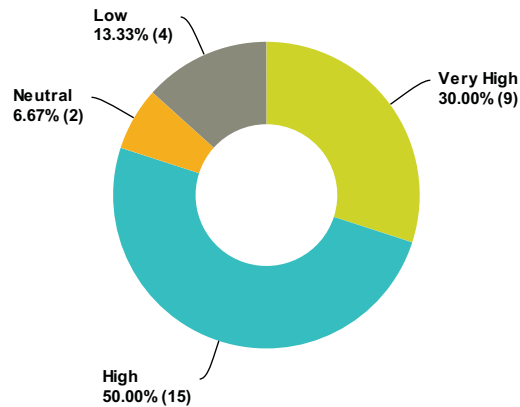
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	26.67% 8	36.67% 11	20.00% 6	13.33% 4	3.33% 1	30	3.70

#	Other (please specify)	Date
1	Salt Creek has been mapped several times over the past 20 years.	8/5/2014 9:27 AM
2	Our main concern has been the accuracy of the program, not necessarily its frequency.	7/22/2014 11:59 AM
3	Lisle's smaller tributaries have never been restudied. Our mapping is still what was originally completed by HUD for the first FIRMs	7/21/2014 10:26 AM
4	Presently it takes too long for property owners to realize the benefits of flood control projects or to become aware of the need to obtain flood insurance or take protection measures as the result of changing flood plains due to new storm events, better modeling or surveying.	7/17/2014 12:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q21 Floodplain mapping in each watershed is important for regulatory functions, including flood insurance purposes. How important to your organization is completing floodplain maps for each watershed?

Answered: 30 Skipped: 0



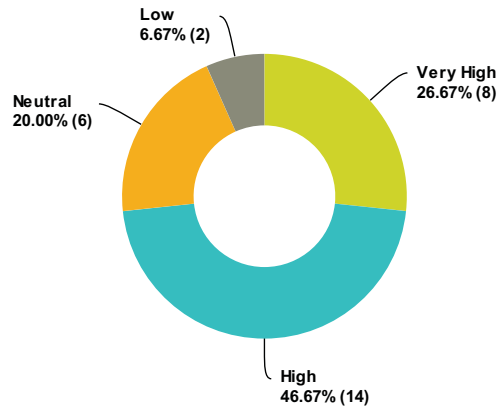
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	30.00% 9	50.00% 15	6.67% 2	13.33% 4	0.00% 0	30	3.97

#	Other (please specify)	Date
1	Salt Creek watershed plan & floodplain maps have been completed.	8/5/2014 9:27 AM
2	This is very important to make sure property owners are aware they are at risk, but at the same time more effort is needed on the front end of the process with education and community involvement to reduce the confusion and problems of the past.	7/17/2014 12:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q22 DuPage County Stormwater Management is currently unable to update floodplain maps to account for new storm events and flood mitigation projects. How important to your organization is maintaining and updating the floodplain maps?

Answered: 30 Skipped: 0



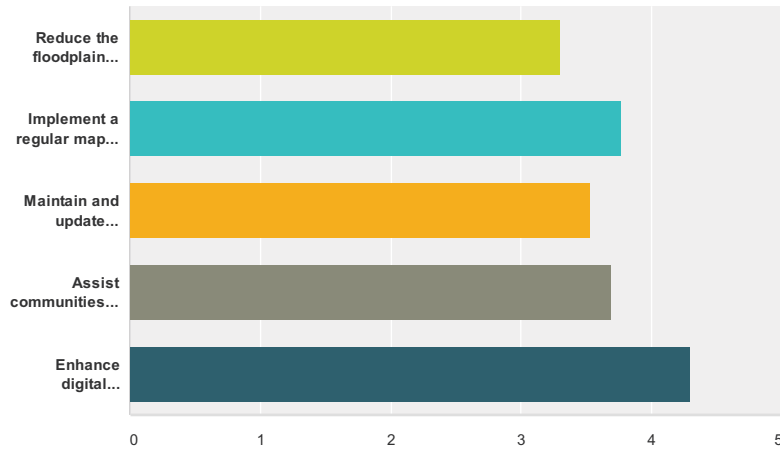
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	26.67% 8	46.67% 14	20.00% 6	6.67% 2	0.00% 0	30	3.93

#	Other (please specify)	Date
1	Update for flood mitigation projects only, not new storm events.	8/5/2014 9:27 AM
2	Due to the highly sensitive nature of flood plain mapping and the impacts it has on property owners, we will need to help explain how these changes have occurred and why they are needed.	7/17/2014 12:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q23 DuPage County Stormwater Management could expand upon the current floodplain mapping program to offer more assistance to communities. Some initiatives are outlined below. Please rate how interested your organization would be in each expanded offering.

Answered: 30 Skipped: 0

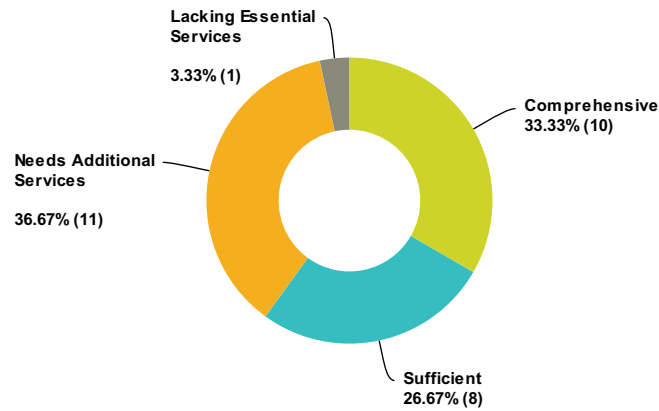


	Not Interested	Neutral	Somewhat Interested	Interested	Very Interested	N/A	Total	Average Rating
Reduce the floodplain mapping cycle to 10 years.	16.67% 5	16.67% 5	13.33% 4	26.67% 8	26.67% 8	0.00% 0	30	3.30
Implement a regular map maintenance program.	3.33% 1	13.33% 4	16.67% 5	36.67% 11	30.00% 9	0.00% 0	30	3.77
Maintain and update hydrological, hydraulic and water quality models.	10.00% 3	13.33% 4	16.67% 5	33.33% 10	26.67% 8	0.00% 0	30	3.53
Assist communities with LOMR updates.	10.00% 3	13.33% 4	6.67% 2	36.67% 11	33.33% 10	0.00% 0	30	3.70
Enhance digital accessibility of floodplain maps.	0.00% 0	3.33% 1	13.33% 4	33.33% 10	50.00% 15	0.00% 0	30	4.30

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q24 Based on DuPage County Stormwater Management's program assessment, please rate the floodplain mapping program's overall services.

Answered: 30 Skipped: 0



	Highly Comprehensive	Comprehensive	Sufficient	Needs Additional Services	Lacking Essential Services	Total	Average Rating
(no label)	0.00% 0	33.33% 10	26.67% 8	36.67% 11	3.33% 1	30	3.10

#	Other (please specify)	Date
1	Clearer images, (resolution) for flood plain properties, and adding addresses	8/25/2014 2:54 PM
2	Accuracy of the maps is our highest priority.	7/22/2014 11:59 AM
3	LOMR assistance and updating smaller tributaries floodplain mapping	7/21/2014 10:26 AM
4	The County's overall Flood Plain Mapping Program is comprehensive for the most part, but is lacking in two areas. More communication with and education of residents prior to initiating any remapping effort needs to take place. This can help alleviate some of the miscommunication and backlash that will normally happen. Also, municipalities and the County should resolve their differences regarding the mapping process before taking on another remapping project or enhancing the program. The ultimate goal is to create reasonable and realistic flood plain maps that provide vital information to help protect property owners, governmental agencies and others from flood damages. The modeling and maps need to be accurate and where they aren't we need to take ownership for the errors and make the necessary corrections. We should work on making the Flood Plain Mapping Program a collaborative effort between the municipalities and County.	7/17/2014 12:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q25 Please include any additional services or enhancements your organization would like to see included in DuPage County Stormwater Management's floodplain mapping program.

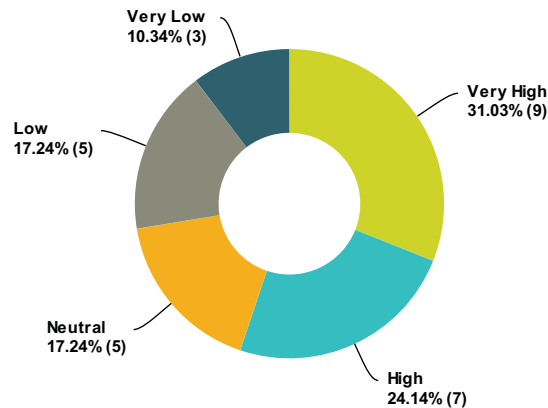
Answered: 12 Skipped: 18

#	Responses	Date
1	The County needs to improve the process for efficient map revisions.	8/5/2014 9:27 AM
2	reduce the floodplain mapping cycle to 10 years, implement a regular map maintenance program, maintain and update floodplain models, assist communities with LOMR updates, and enhance digital accessibility of floodplain maps	7/25/2014 11:19 AM
3	Finish the current floodplain mapping project	7/23/2014 3:38 PM
4	(none)	7/22/2014 11:59 AM
5	LOMR assistance and updating smaller tributaries floodplain mapping	7/21/2014 10:26 AM
6	Evaluate and update/enhance floodplain mapping for Kress Creek and all of its unnamed tributaries in the City of West Chicago.	7/18/2014 4:14 PM
7	Please see attached letter to Anthony Charlton dated July 14, 2014 from David Fieldman	7/18/2014 1:47 PM
8	Pre-mapping education and a forum for municipalities and the County to come to an agreement on the process and goal.	7/17/2014 12:41 PM
9	1) Mapping of low depressional areas with 20 acres or more of tributary area that experience flooding for buildings and streets. Determination of Base Flood elevations in these areas. 2) DuPage County GIS mapping of major storm sewers used for hydrologic and hydraulic modeling of drainage study areas. This would include storm structure and storm sewer information that would include material type, size, location, and RIM/INV elevations. 3) Expansion of the County GIS Department to act as a GIS Consortium with the enactment of a Stormwater Utility fee. County GIS staff could come to municipalities without dedicated GIS staff 2 days a week to update new impervious area for the utility, as well as, update other GIS layer information.	7/16/2014 1:00 PM
10	The City will support the county taking over the LOMR process as long as the review and cycle times are not any longer than they are with FEMA.	7/11/2014 9:06 AM
11	No other than already outlined above.	7/9/2014 3:32 PM
12	NA	6/20/2014 10:40 AM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q26 DuPage County Stormwater Management's regulatory services program currently has a 20 to 40 day permit review process based on permit complexity. How important to your organization is a reduction in turnaround time for permits?

Answered: 29 Skipped: 1



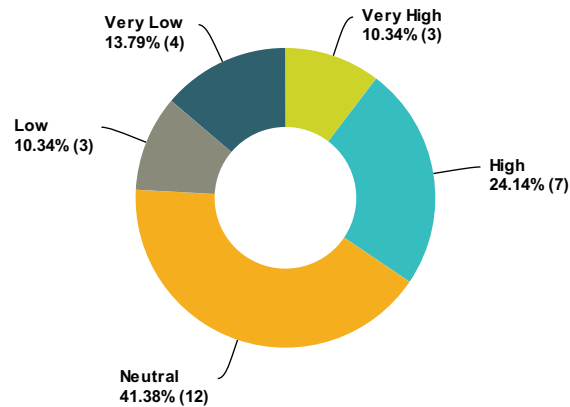
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	31.03% 9	24.14% 7	17.24% 5	17.24% 5	10.34% 3	29	3.48

#	Other (please specify)	Date
1	Itasca developers and the Village find this 20-40 day permit review frustrating, especially since each review requires multiple reviews.	7/23/2014 3:41 PM
2	Willowbrook is a full-waiver community.	7/22/2014 12:03 PM
3	We are a full waiver community so most of the regulatory services questions do not apply to us. The Village's metric for stormwater submittal review is 10 working days. However, sometimes it takes several days before a return call is made. We understand this is due to very high workloads, but would like to see phone calls answered by the next business day.	7/17/2014 12:41 PM
4	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q27 Updates to permit tracking software to provide for increased functionality for both staff and applicants has been curtailed in recent years. How important to your organization is updating the permit software?

Answered: 29 Skipped: 1



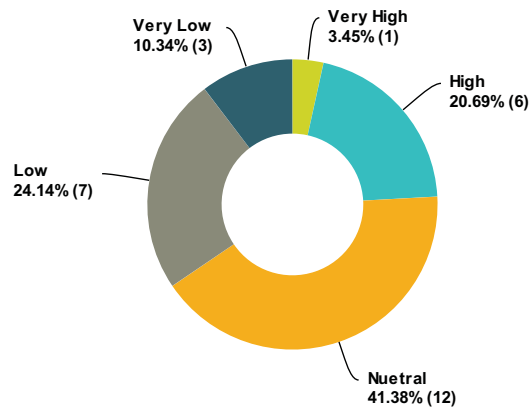
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	10.34% 3	24.14% 7	41.38% 12	10.34% 3	13.79% 4	29	3.07

#	Other (please specify)	Date
1	This can help locate where it is in the system and hopefully who to contact, but more important is to have access to staff.	7/17/2014 12:41 PM
2	Technology cannot address structural or process shortcomings.	7/11/2014 9:08 AM
3	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q28 DuPage County's wetland determinations currently take 10 to 14 workdays to complete. How important to your organization is reducing the amount of time for wetland determinations?

Answered: 29 Skipped: 1



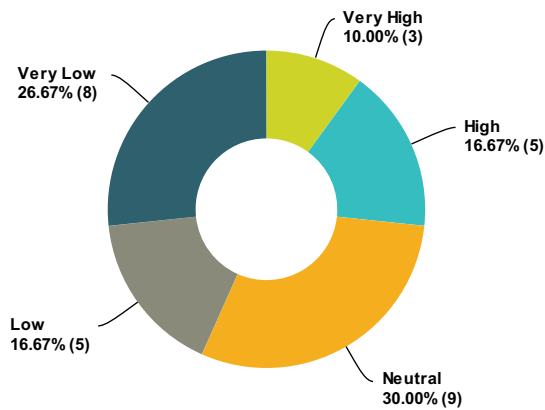
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	3.45%	20.69%	41.38%	24.14%	10.34%	29	2.83
	1	6	12	7	3		

#	Other (please specify)	Date
1	The Village's metric for determining if a wetland exists is 2 working days and to verify a wetland delineation it's 5 working days.	7/17/2014 12:41 PM
2	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q29 DuPage County Stormwater Management currently only provides stormwater-related inspections (construction runoff, BMPs, etc.) in unincorporated areas and other non-waiver communities. However, a regional NPDES program would call for inspections countywide. How interested would your organization be in a regional inspection program to alleviate the burden from municipalities?

Answered: 30 Skipped: 0



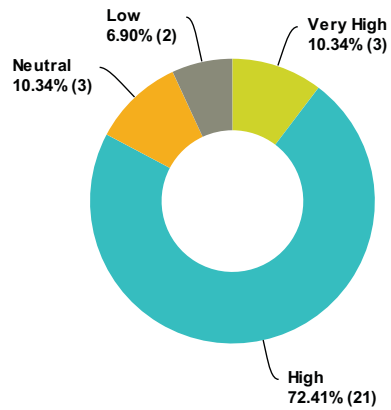
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	10.00% 3	16.67% 5	30.00% 9	16.67% 5	26.67% 8	30	2.67

#	Other (please specify)	Date
1	Would the Inspection Program include all stormwater facilities and structures: detention/retention basins, restrictor/control structures, overland flow routes, PCBMPs, VCBMPs, wetland mitigations, stream banks, pond shorelines, riparian areas, flood plains, storm sewers, structures, etc.?	7/17/2014 12:41 PM
2	This results in too many inspectors on a job, and confusion.	7/11/2014 9:08 AM
3	Would depend on cost related to the effort.	6/20/2014 10:42 AM
4	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q30 With the April 2012 Stormwater Ordinance overhaul, the current Technical Guidance Manual is out of date. How important to your organization is an updated Technical Guidance Manual that explains why each Ordinance criterion is necessary and to provide guidance on how those criteria may be met?

Answered: 29 Skipped: 1



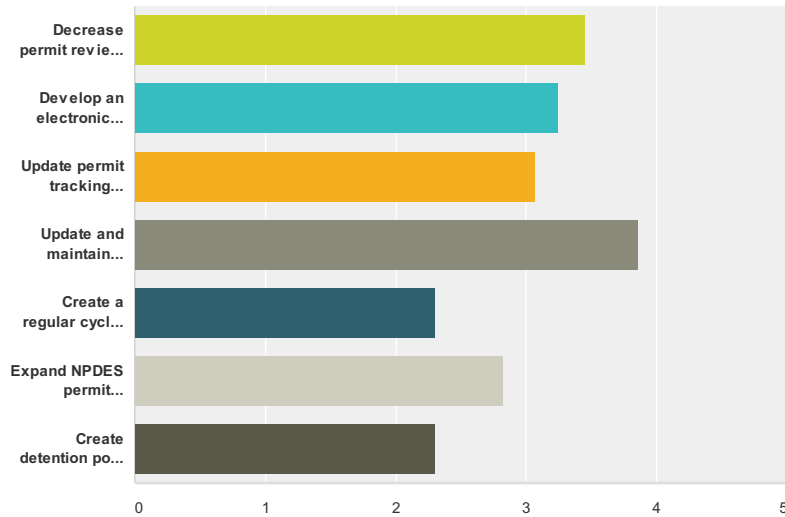
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	10.34% 3	72.41% 21	10.34% 3	6.90% 2	0.00% 0	29	3.86

#	Other (please specify)	Date
1	This is crucial to providing consistency in how the Ordinance is interpreted and implemented.	7/17/2014 12:41 PM
2	Examples demonstrating ordinances and how they are interpreted would help standardize permit submittals and reviews which would in turn speed up review times and the number of permits submittals. There should be at least one example for each ordinance criteria. Examples of calculations for disturbance, impervious area, pervious area, Volume Control Best Management practices, detention, etc. should be made. Standard details for rain gardens, permeable pavers, drywells, etc. should also be made.	7/16/2014 1:21 PM
3	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q31 DuPage County Stormwater Management could expand upon the current regulatory services program to offer more assistance to communities. Some initiatives are outlined below. Please rate how interested your organization would be in each expanded offering.

Answered: 30 Skipped: 0

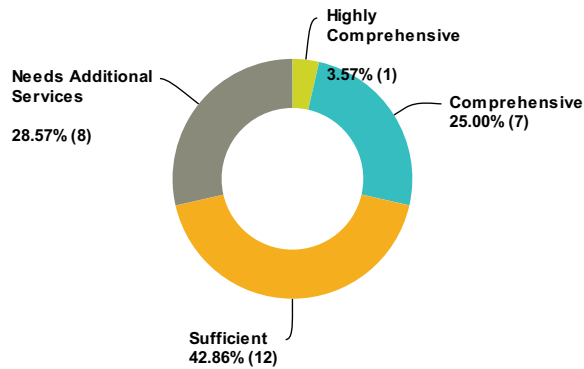


	Not Interested	Neutral	Somewhat Interested	Interested	Very Interested	N/A	Total	Average Rating
Decrease permit review turn-around time.	10.00% 3	16.67% 5	16.67% 5	20.00% 6	30.00% 9	6.67% 2	30	3.46
Develop an electronic permit submittal program.	10.00% 3	23.33% 7	13.33% 4	26.67% 8	20.00% 6	6.67% 2	30	3.25
Update permit tracking software.	10.00% 3	26.67% 8	16.67% 5	26.67% 8	13.33% 4	6.67% 2	30	3.07
Update and maintain wetland maps.	3.33% 1	3.33% 1	23.33% 7	40.00% 12	26.67% 8	3.33% 1	30	3.86
Create a regular cycle for community audits.	23.33% 7	40.00% 12	13.33% 4	20.00% 6	0.00% 0	3.33% 1	30	2.31
Expand NPDES permit compliance services.	10.00% 3	36.67% 11	16.67% 5	26.67% 8	6.67% 2	3.33% 1	30	2.83
Create detention pond inspection program.	36.67% 11	16.67% 5	26.67% 8	10.00% 3	6.67% 2	3.33% 1	30	2.31

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q32 Based on DuPage County Stormwater Management's program assessment, please rate the regulatory services program's overall services with respect to permit reviews, wetland banking/mitigation and inspections.

Answered: 28 Skipped: 2



	Highly Comprehensive	Comprehensive	Sufficient	Needs Additional Services	Lacking Essential Services	Total	Average Rating
(no label)	3.57% 1	25.00% 7	42.86% 12	28.57% 8	0.00% 0	28	2.96

#	Other (please specify)	Date
1	Willowbrook is a full-waiver community.	7/22/2014 12:03 PM
2	Overall the County's Regulatory Services Program is comprehensive, but some aspects could be added or enhanced. Having access to staff is very important and can be improved. Adding an Inspection Program would be helpful and could reduce costs, but a final determination needs to be made on which stormwater management facilities will be included in the program. Updating the Technical Guidance Manual is absolutely crucial and should be done expeditiously. Updating the wetland map on a more regular basis would also be helpful. Expanding NPDES services could reduce costs depending on how and which services are included.	7/17/2014 12:41 PM
3	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q33 Please include any additional services or enhancements your organization would like to see included in DuPage County Stormwater Management's regulatory services program.

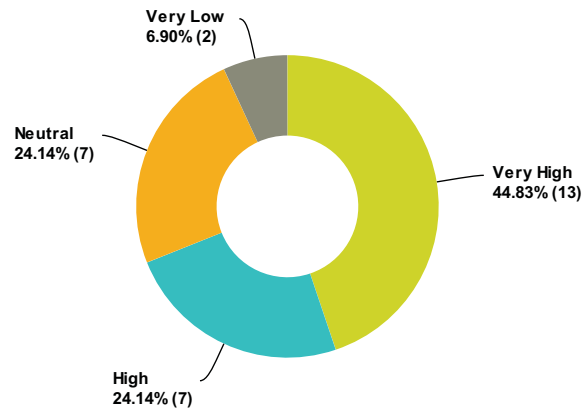
Answered: 10 Skipped: 20

#	Responses	Date
1	The permitting process needs to be improved.	8/5/2014 9:28 AM
2	n/a	7/25/2014 11:20 AM
3	Permit reviews need additional resources to reduce permit review time. The Village believes the wetland and inspection services are sufficient.	7/23/2014 3:41 PM
4	Any initiatives to reduce permit time would be appreciated by all.	7/22/2014 3:41 PM
5	(none)	7/22/2014 12:03 PM
6	Please see attached letter to Anthony Charlton dated July 14, 2014 from David Fieldman	7/18/2014 1:48 PM
7	Same comment as 32 above.	7/17/2014 12:41 PM
8	Provide a standardized electronic engineering permit review application for use by the municipalities in performing engineering reviews. Add a section to this application in which local community ordinances could be added. I have something like this that I developed in a Google spreadsheet with filters for Submittal, SESC, PCBMP, Detention, Floodplain, Wetland, and Local Zoning based requirements.	7/16/2014 1:21 PM
9	Review times are still too long, and the critical path on every project.	7/11/2014 9:08 AM
10	NA	6/20/2014 10:42 AM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q34 DuPage County Stormwater Management maintains and operates 16 flood control facilities countywide, including the Elmhurst Quarry, Wood Dale-Itasca Reservoir, Fawell Dam, etc. How important to your organization is this County function?

Answered: 29 Skipped: 1



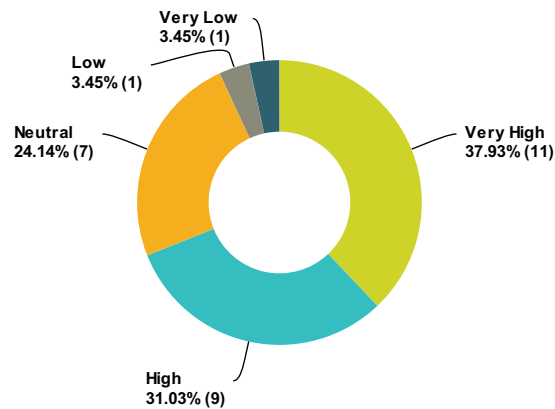
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
Level	44.83% 13	24.14% 7	24.14% 7	0.00% 0	6.90% 2	29	4.00

#	Other (please specify)	Date
1	There are none that impact Lisle, however increased flooding in DuPage County would impact Lisle residents due to roadway flooding and costs for emergency response.	7/21/2014 10:35 AM
2	Not much effort has been given to maintaining the three flood control facilities in Carol Stream. Priority should be given to those facilities that have been neglected.	7/17/2014 12:41 PM
3	This is a low as these projects do not directly benefit our community.	6/20/2014 10:44 AM
4	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q35 Capital improvements to DuPage County's existing flood control structures are anticipated to total more than \$11 million through 2024. How important to your organization is the upkeep of the existing flood control facilities?

Answered: 29 Skipped: 1



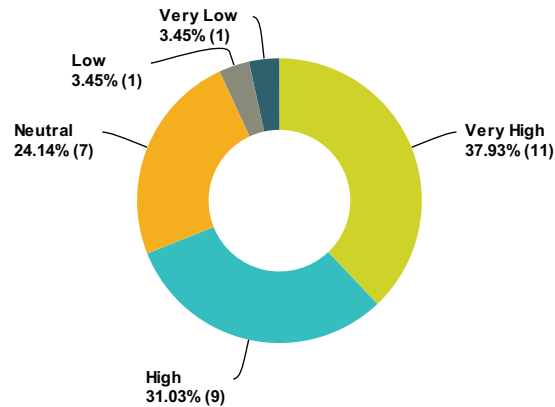
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	37.93% 11	31.03% 9	24.14% 7	3.45% 1	3.45% 1	29	3.97

#	Other (please specify)	Date
1	Without appropriate on going maintenance these facilities and property owners could be at risk. Rehabilitations and repairs are far more costly than maintenance.	7/17/2014 12:41 PM
2	see comment above	6/20/2014 10:44 AM
3	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q36 DuPage County Stormwater Management has a flood forecasting program in place to both notify local agencies of potential flooding and for operational purposes. In order to ensure accurate operations, this program requires periodic updating of equipment and software. How important to your organization is maintaining the flood forecasting program?

Answered: 29 Skipped: 1



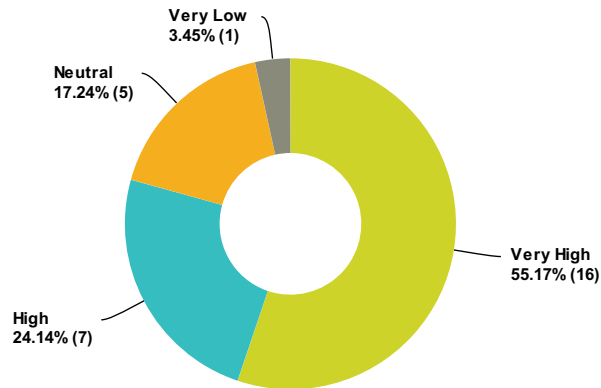
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	37.93% 11	31.03% 9	24.14% 7	3.45% 1	3.45% 1	29	3.97

#	Other (please specify)	Date
1	The Flood Forecasting Program needs to include other watersheds and tributaries to provide better coverage and forecasting capabilities.	7/17/2014 12:41 PM
2	see comment above	6/20/2014 10:44 AM
3	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q37 DuPage County Stormwater Management's stream maintenance program allows for the County to take on the burden of removing large obstructions in waterways that may otherwise cause flooding. However, it is currently a reactive program. How important to your organization is a proactive stream maintenance program to remove obstruction from local waterways?

Answered: 29 Skipped: 1



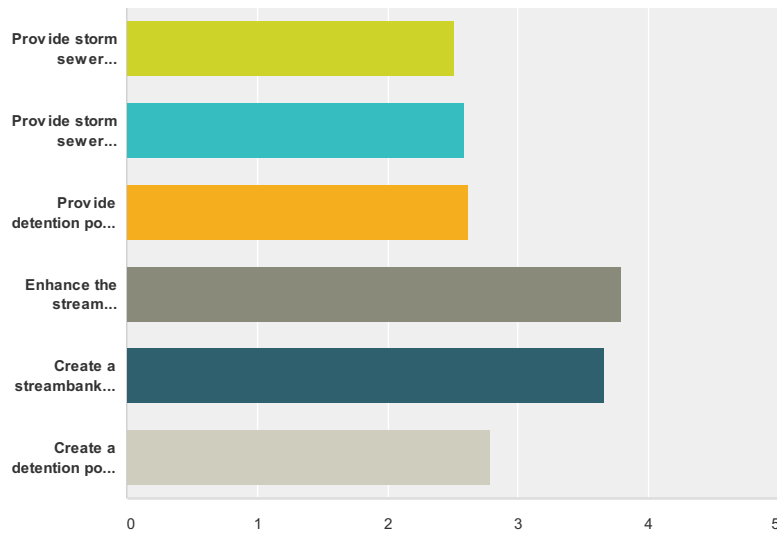
	Very High	High	Neutral	Low	Very Low	Total	Average Rating
(no label)	55.17% 16	24.14% 7	17.24% 5	0.00% 0	3.45% 1	29	4.28

#	Other (please specify)	Date
1	We currently contract this work ourselves, but have received very good assistance from the County. It would help if the County could develop a regional beaver relocation/mitigation program as many of our major obstructions are due to beavers.	7/17/2014 12:41 PM
2	This needs to be a focus moving forward. Putting the responsibility on the municipalities is unfair and unattainable	7/10/2014 8:13 AM
3	na	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q38 DuPage County Stormwater Management could expand upon the current operations and maintenance program to offer more regional maintenance programs to communities. Some initiatives are outlined below. Please rate how interested your organization would be in each expanded offering.

Answered: 30 Skipped: 0

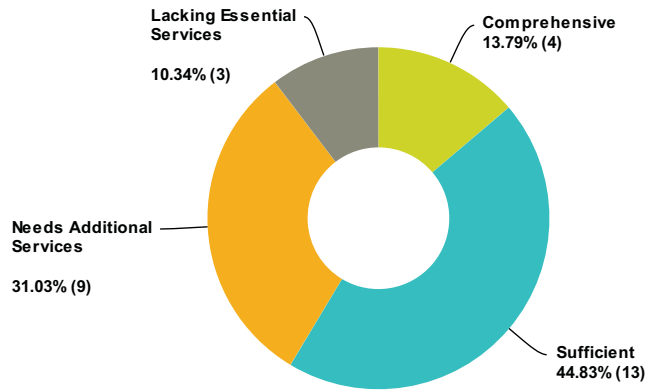


	Not Interested	Neutral	Somewhat Interested	Interested	Very Interested	N/A	Total	Average Rating
Provide storm sewer televising.	40.00% 12	10.00% 3	16.67% 5	16.67% 5	13.33% 4	3.33% 1	30	2.52
Provide storm sewer cleaning/jetting.	40.00% 12	6.67% 2	16.67% 5	20.00% 6	13.33% 4	3.33% 1	30	2.59
Provide detention pond outlet cleaning.	36.67% 11	13.33% 4	16.67% 5	10.00% 3	20.00% 6	3.33% 1	30	2.62
Enhance the stream obstruction clearing program.	3.33% 1	10.00% 3	33.33% 10	6.67% 2	43.33% 13	3.33% 1	30	3.79
Create a streambank stabilization program.	3.33% 1	16.67% 5	20.00% 6	26.67% 8	30.00% 9	3.33% 1	30	3.66
Create a detention pond maintenance program.	30.00% 9	16.67% 5	13.33% 4	16.67% 5	20.00% 6	3.33% 1	30	2.79

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Q39 Based on DuPage County Stormwater Management's program assessment, please rate the operations and maintenance program's overall services with respect to flood control operations, facility maintenance and flood forecasting.

Answered: 29 Skipped: 1

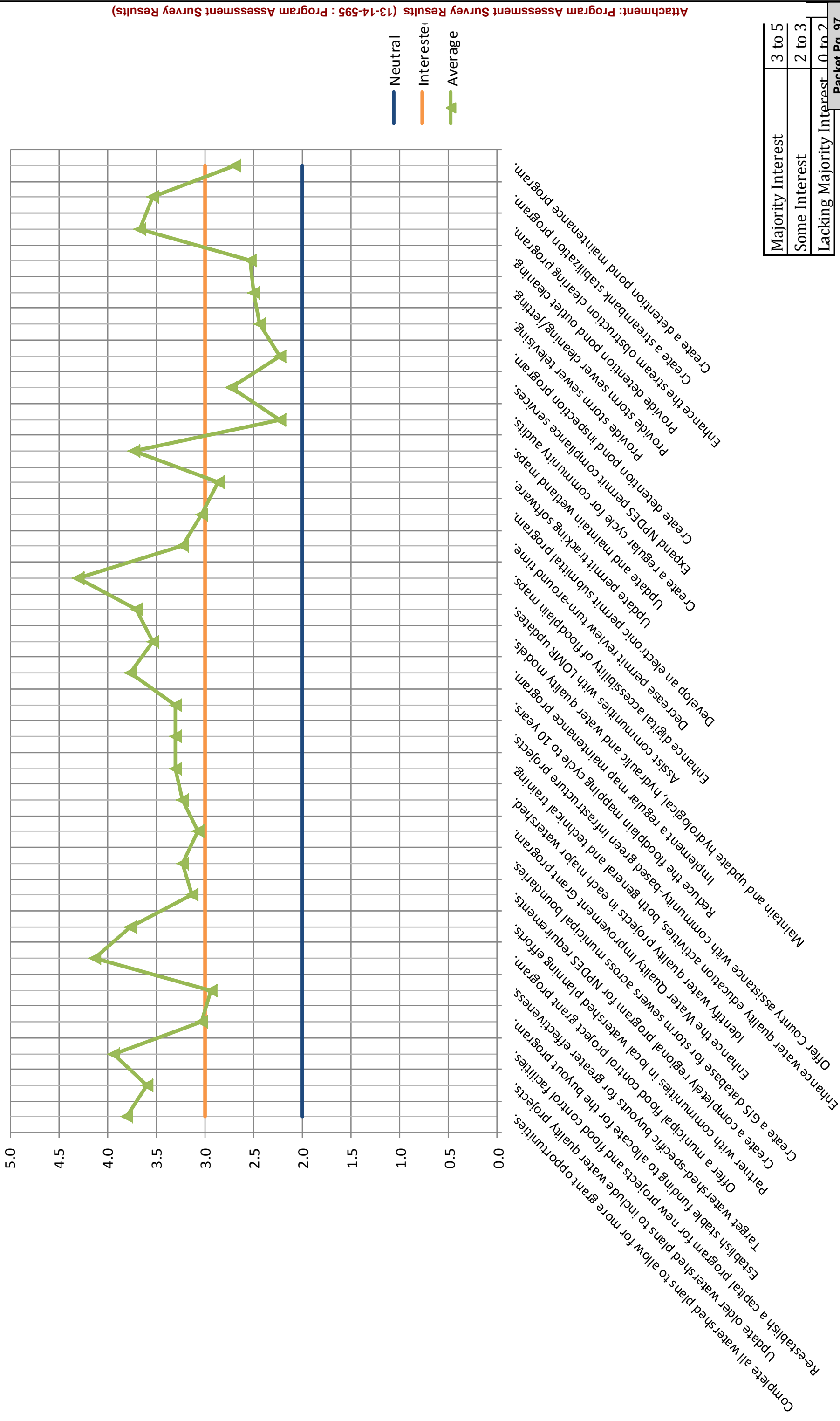


	Highly Comprehensive	Comprehensive	Sufficient	Needs Additional Services	Lacking Essential Services	Total	Average Rating
(no label)	0.00% 0	13.79% 4	44.83% 13	31.03% 9	10.34% 3	29	3.38

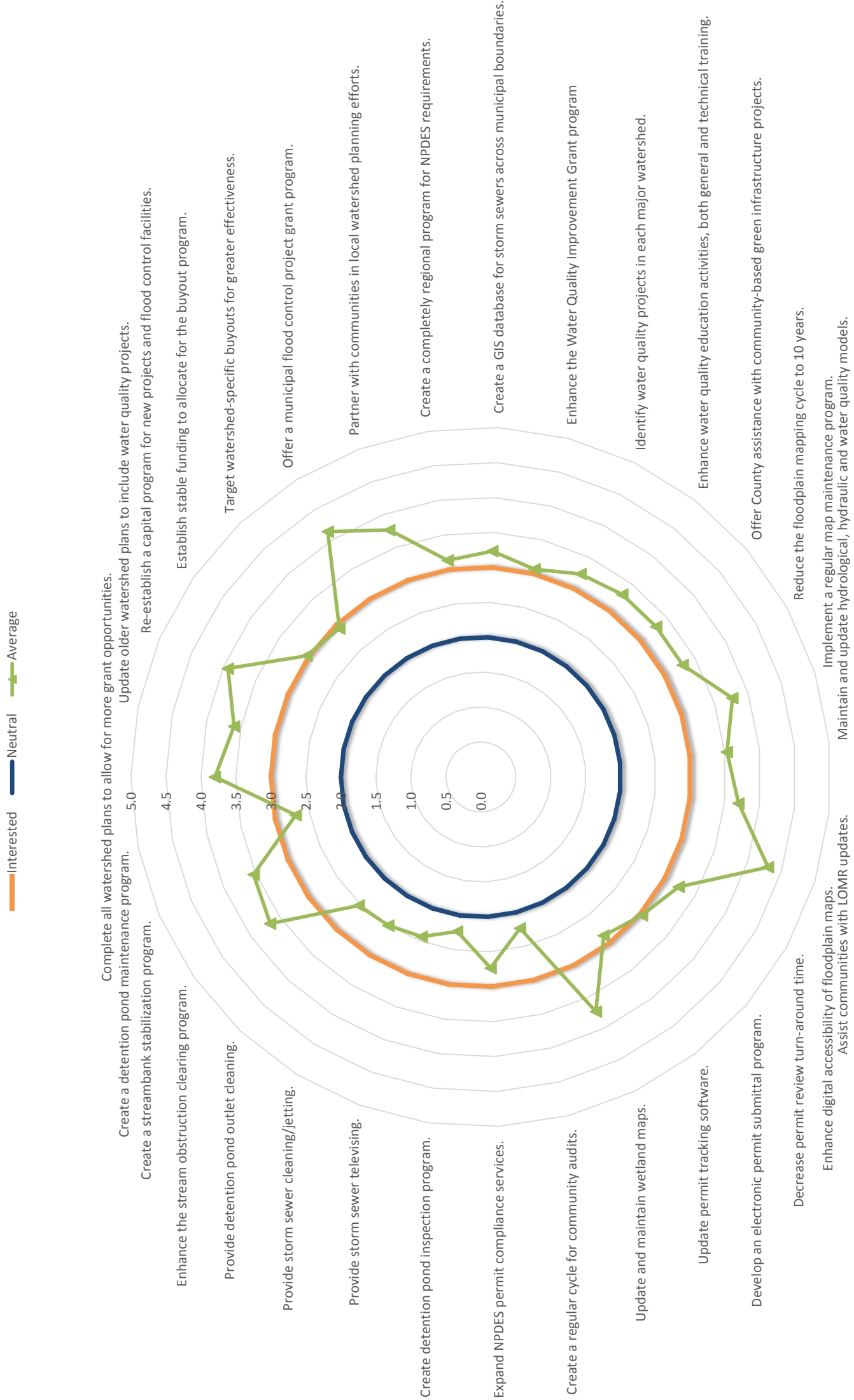
#	Other (please specify)	Date
1	Need to optimize all structures.	8/5/2014 9:29 AM
2	The overall assesment of the Operations and Maintenance Program is lacking in a several of areas. More frequent and comprehensive management of the existing flood control facilities needs to take place. Removal of major flow obstructions in streams has been very good, but it could be expanded to include annual removals of all obstructions. Other than providing some matching WQIGP funding, a regional Stream Bank Stabilization Program is lacking. These should be addressed first before adding the other services listed.	7/17/2014 12:41 PM
3	The cost to provide/create programs should be evaluated as to the benefit of having the SAVINGS benefit the community.	6/20/2014 10:44 AM
4	NA	6/13/2014 1:41 PM

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Overall Services



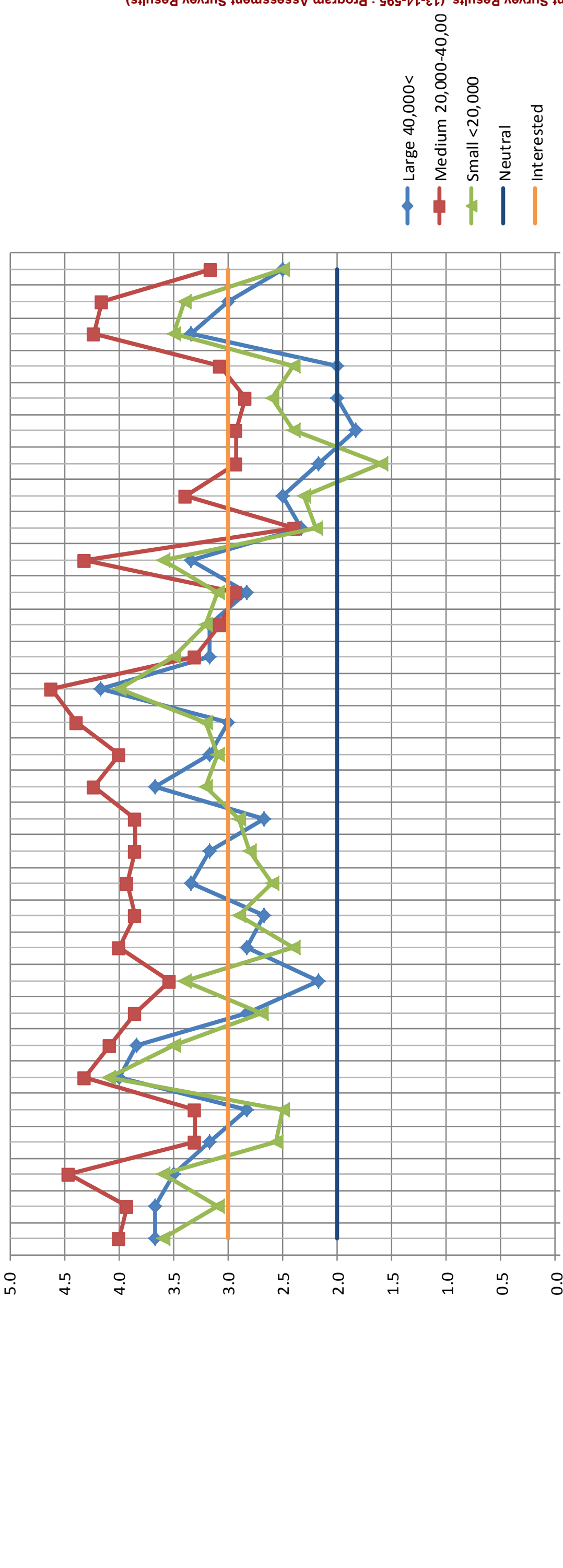
Radar Plot Expressing Program Component Interest



Majority Interest	3 to 5
Some Interest	2 to 3
Lacking Majority Interest	0 to 2

Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

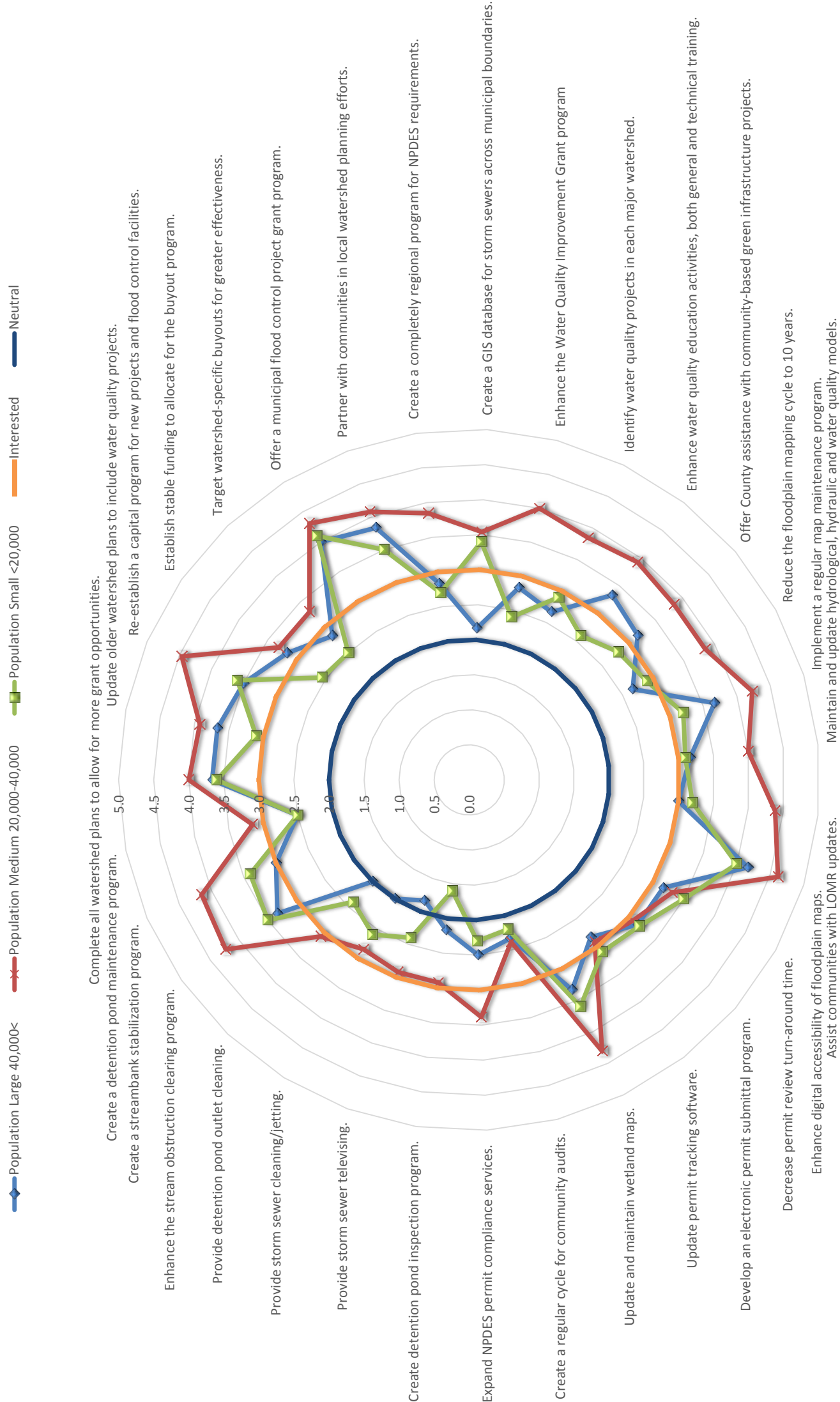
Population



Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Majority Interest	3 to 5
Some Interest	2 to 3
Lacking Majority Interest	0 to 2
Packet Pg. 99	

Radar Plot Expressing Program Component Interest by Population

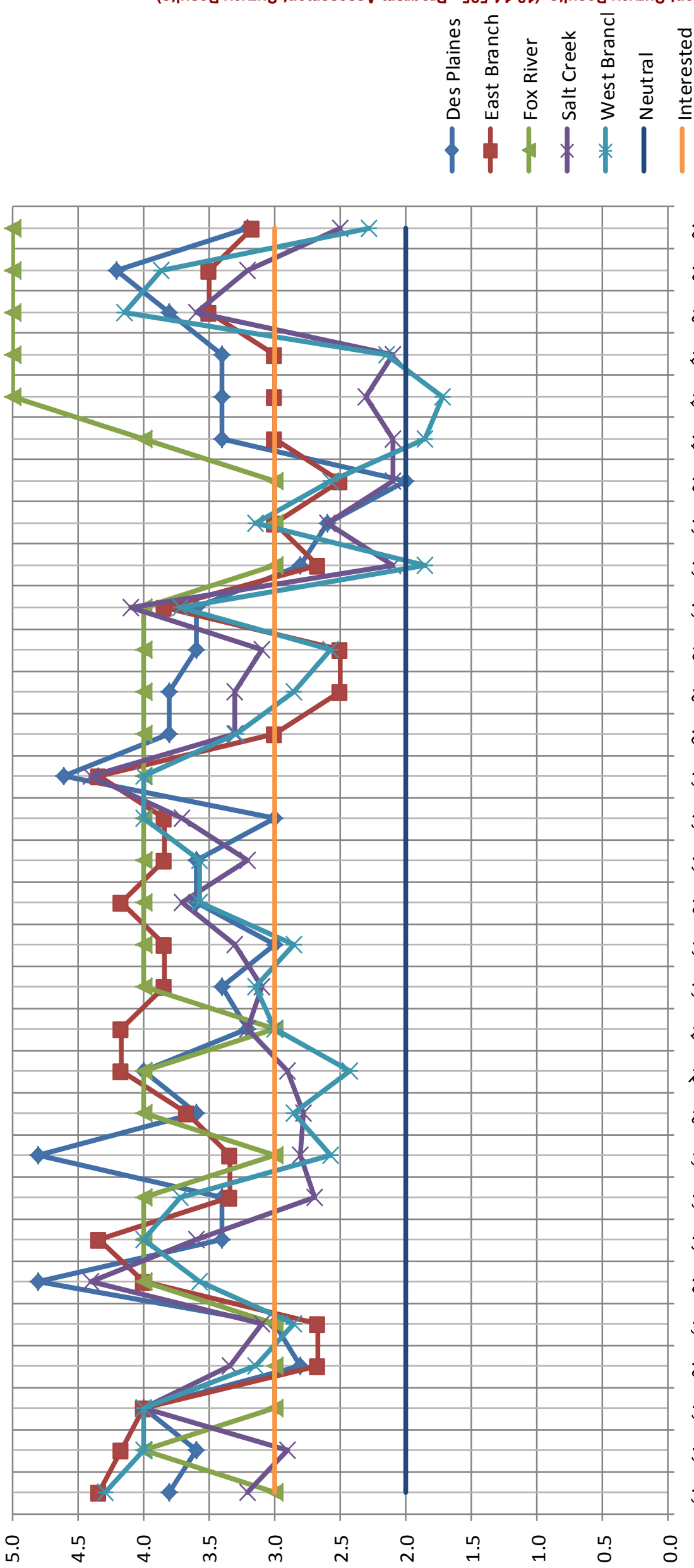


Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

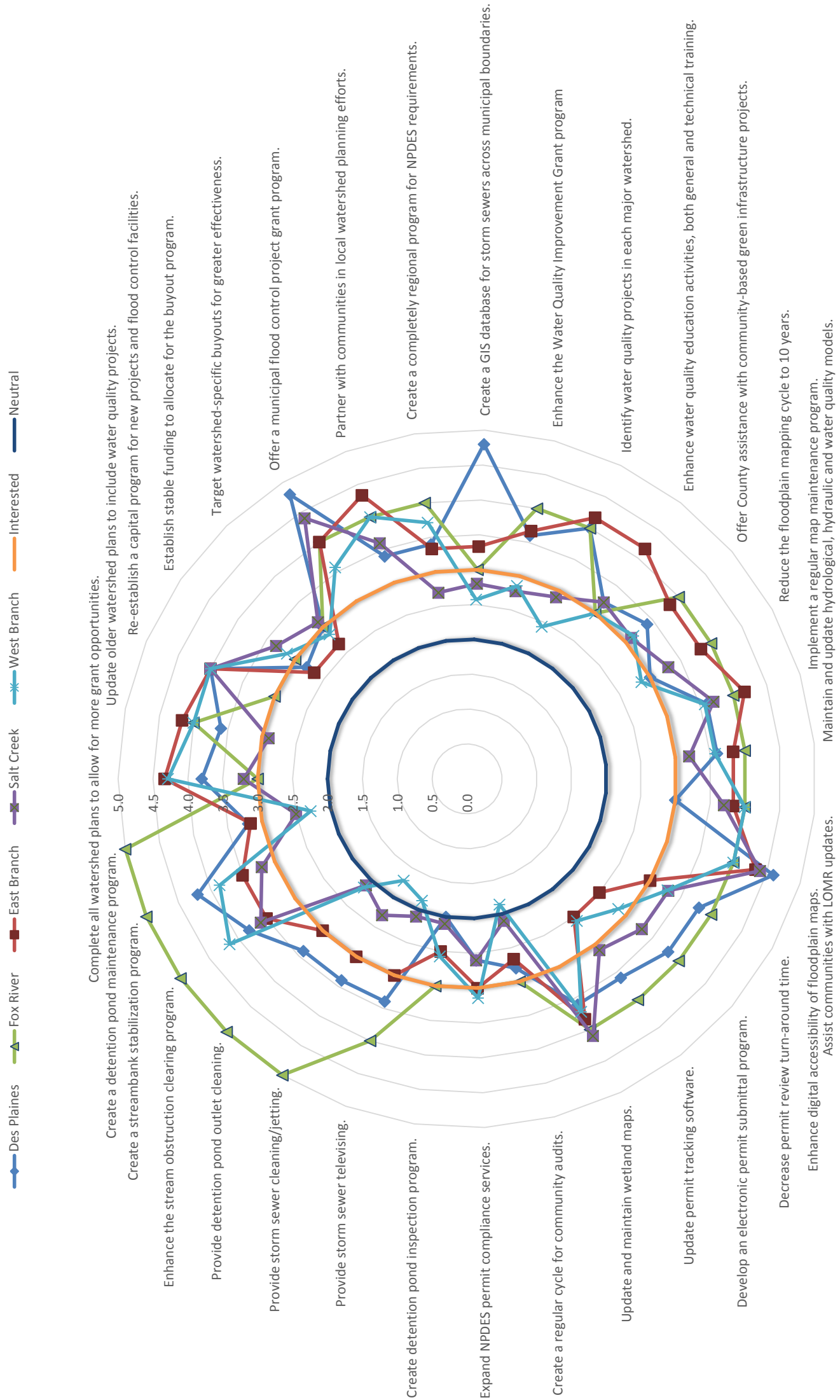
Majority Interest	3 to 5
Some Interest	2 to 3
Lacking Majority Interest	0 to 2

Watershed

10.A.b

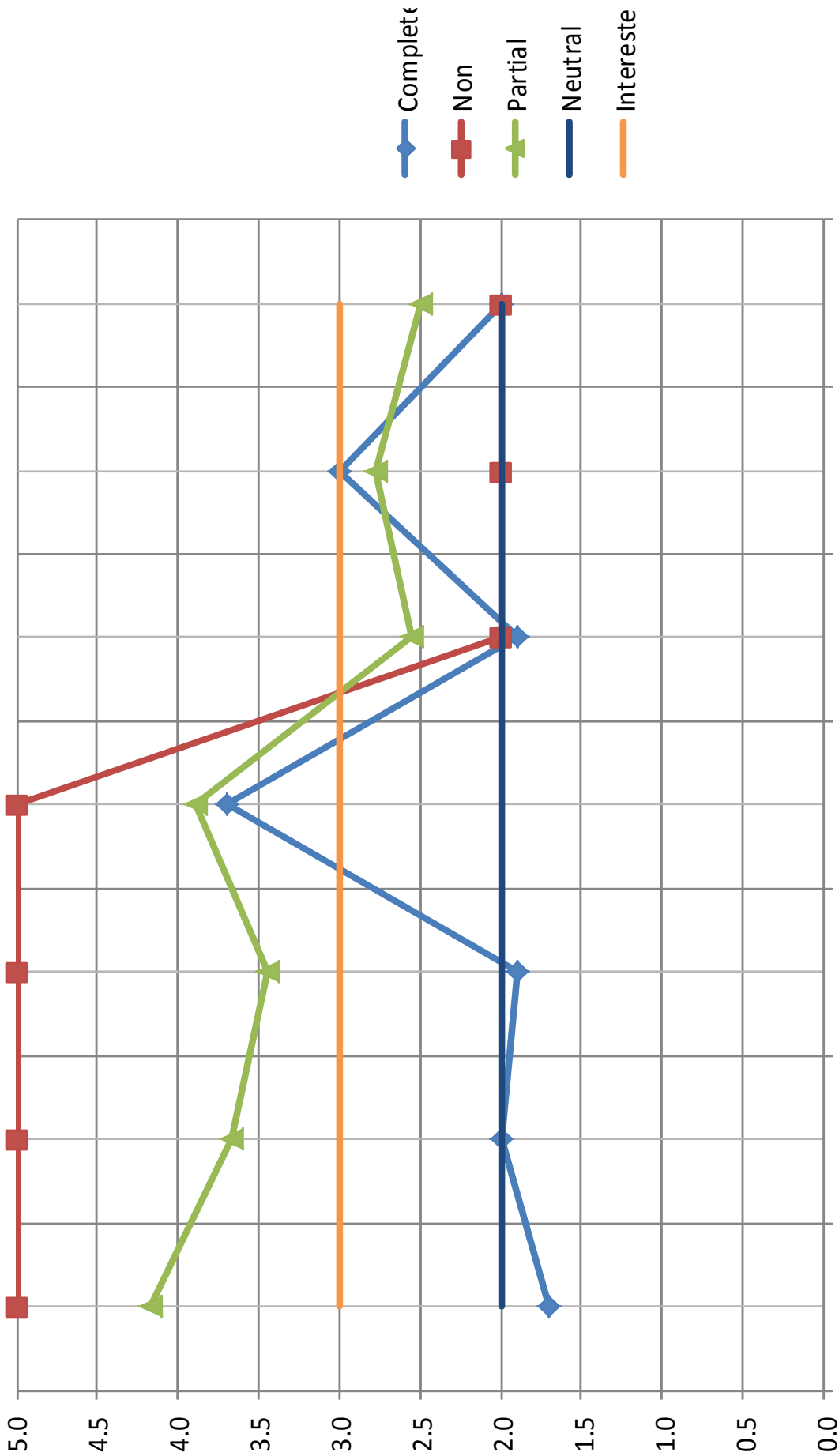


Radar Plot Expressing Program Component Interest by Watershed



Majority Interest	3 to 5
Some Interest	2 to 3
Lacking Majority Interest	0 to 2

Waiver Status



Attachment: Program Assessment Survey Results (13-14-595 : Program Assessment Survey Results)

Majority Interest	3 to 5
Some Interest	2 to 3
Lacking Interest	1 to 1

Packet Pg. 103

Radar Plot Expressing Program Component Interest by Waiver Status



Majority Interest	3 to 5
Some Interest	2 to 3
Lacking Majority Interest	0 to 2



DUPAGE MAYORS AND MANAGERS CONFERENCE

an association of municipalities representing 1,000,000 people

1220 Oak Brook Road
Oak Brook, Illinois 60523
(630) 571-0480
Fax: (630) 571-0484

Founded June 19, 1962

MEMBER MUNICIPALITIES

Addison
Aurora
Bartlett
Bensenville
Bloomingdale
Bolingbrook
Burr Ridge
Carol Stream
Clarendon Hills
Downers Grove
Elmhurst
Glendale Heights
Glen Ellyn
Hanover Park
Hinsdale
Itasca
Lisle
Lombard
Naperville
Oak Brook
Oakbrook Terrace
Roselle
Schaumburg
Villa Park
Warrenville
Wayne
West Chicago
Westmont
Wheaton
Willowbrook
Winfield
Wood Dale
Woodridge

December 12, 2014

Anthony J. Charlton, Director,
DuPage County Stormwater Management
Jack T. Knuepfer Bldg.
421 N. County Farm Road
Wheaton, IL 60187

Re: DuPage County Stormwater Management Program Assessment

Dear Mr. Charlton:

On behalf of the 33 member municipalities of the DuPage Mayors and Managers Conference, we appreciate your work on the draft Stormwater Management Program Assessment and the opportunity to provide comments.

The importance of current, accurate floodplain maps cannot be stressed enough. A common issue raised by municipal officials is the value of correcting outdated or erroneous map information. Resolving discrepancies in existing maps and implementing a transparent, formal, and regular map maintenance program, whereby the maps can be kept reasonably current, are high priorities. It is also essential to implement a process that better accounts for and implements municipal input and data. As you know, past efforts to resolve differences in data between the County's proposal and municipal information have at times been very time consuming and challenging.

Transparency through communication and outreach is also a high priority. Ensuring clear communication of County stormwater initiatives through substantial municipal outreach will keep stakeholders informed and help ensure smooth implementation. Additionally, more substantial outreach explaining how to access County assistance and how priorities are determined will give municipalities and residents greater opportunities to know what is available to them, including funding options, and assist in their stormwater management goals.

The County Stormwater Program has successfully met the core service needs of municipalities. While implementation of higher levels of service is always desired, such decisions must be made with knowledge of the increased costs and method of funding. In addition, municipal response to funding options will likely be dependent on the procedures for determining where funds will be spent for projects such as revised floodplain mapping, watershed studies, and flood control projects. A prioritization or selection process that shows funding is distributed in a fair and equitable manner, and prioritizes spending throughout all watersheds in

the County, is critical. This is preferable to a system that continually collects funds in areas of the County which rarely receive benefits from County stormwater projects. Our members strongly urge that additional municipal input on the scope of the County's Stormwater Management Program be sought after the costs and funding issues are more defined.

DMMC appreciates the opportunity to participate in the development of stormwater management goals that meet the needs of DuPage municipalities and residents. Please let us know if we can assist with any additional information.

Sincerely,

Martin Tully
President, DuPage Mayors and Managers Conference
Mayor, Village of Downers Grove

Cc: James Zay, DuPage County Board; Chair, Stormwater Management Cmte.
Municipal members of the DuPage County Stormwater Management Committee
DMMC Mayors/Presidents; Managers/Administrators

Definition of Regional Project: First, the flooding needs to be the result of overbank flooding. This means the water has to have gotten into a stream and then exceeded bank capacity. We don't do local storm sewers and drainage ditches or isolated ponding under our program. The one exception to the storm sewer rule is if the sewer is a main trunk line that is essentially the stream just put underground. We would not do laterals off that main trunk line. The next criterion is the source of the water and the damage area need to be within at least two separate communities. This means the affected community doesn't have an effective way to treat the problem at the source. Historically, the Committee has made some slight exceptions to these rules but for the most part this is the criteria followed.

Currently, projects are developed through the use of watershed plans. Staff completes a hydraulic model to identify flood prone areas. These assessments are reviewed with the affected communities to assure a reasonable representation. Once the existing conditions hydraulic model is complete we then begin identifying mitigation alternatives and compare their effectiveness against the baseline hydraulic model. The only official evaluation criteria established by the committee is the goal of the plans are to reduce 95% of the damages from a recurrence of the 1987 event and a reduction of 90% of the damages from the complete record of storms we utilize in the hydraulic modeling. This is about 150 separate storm events.

The criteria for project approval is definitely an area that we will be asking the Committee for direction on as part of the feasibility analysis. We will bring to the committee the current criteria and will be providing possible modifications for your consideration. This will also be a key area that we will ask the communities to provide input on to make sure the types and levels of projects are consistent with the expectations of the communities. Our intent is to establish the various options for the Committee to consider and then meet with the local communities for their input on this as well as other topics. We will then bring those various options along with the community input to the stormwater committee for your consideration.

Anthony J. Charlton, P.E., Director
DuPage County Stormwater Management
421 N. County Farm Rd
Wheaton, IL 60187
Ph: 630-407-6755

e-mail: anthony.charlton@dupageco.org
Fax: 630-407-6701