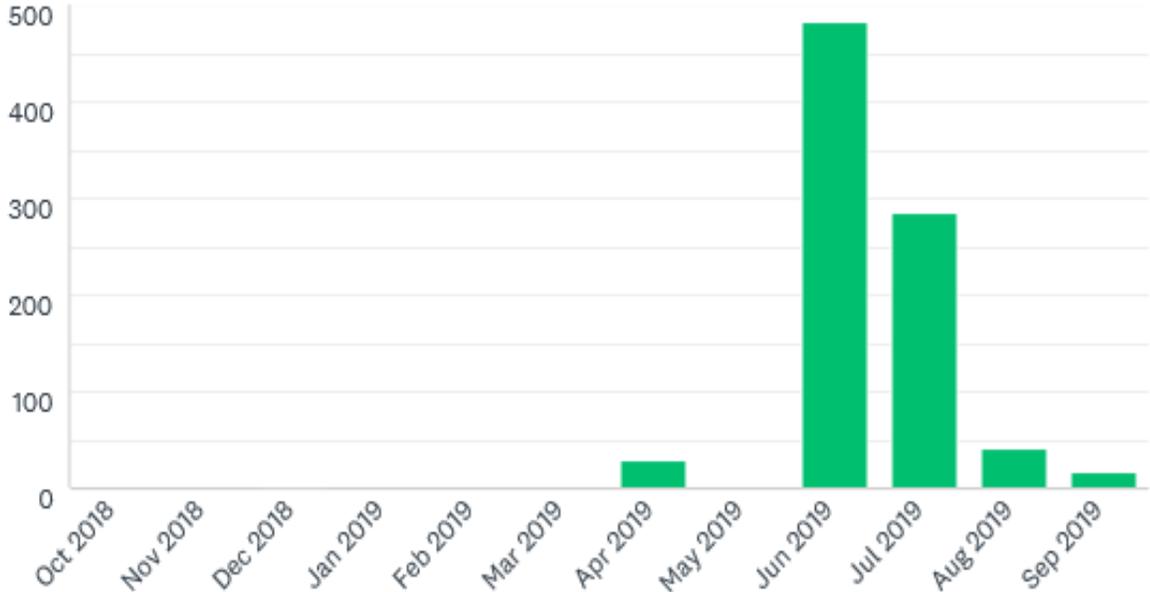


In order to evaluate the public’s familiarity with flood control activities and services, the District mailed a promotional brochure with link to the survey to all regulatory floodplain residents in Pima County just prior to Monsoon season. The project webpage and other outreach used in informational meetings throughout the project also contained this link. District staff also distributed paper copies at each meeting and event reported in section 2.2.

The chart below shows the number and distribution of responses over time. The number in April is the test period. The mailing occurred in May.

Figure 262 - Survey Responses



A blank sample of the paper version of the survey is below. Responses received on paper, largely during the test phase although also at events throughout the project timeframe are separate from those completed in the Survey Monkey on-line version for tracking purposes, and because the test audience was more familiar with flood control activities than the public at large. The complete set of results as of October 3, 2019, with the exception of comments, are shown on the below charts below following the sample.



## Community Survey

Also available on the Floodplain Management Plan webpage noted below or at:

[https://www.surveymonkey.com/r/PCFC\\_survey](https://www.surveymonkey.com/r/PCFC_survey)

The purpose of this survey is that the Regional Flood Control District (District) wants to understand your level of flood awareness, your concerns and preferred solutions. This information will be used to develop a Floodplain Management Plan for Pima County. Please select all that apply to you from the answers below. If you have a concern regarding a specific location please describe it in the comment box below.

### 1. What floodplain issues are important to you?

- a) Knowing where flood risk exists.
- b) Reducing flood risk.
- c) Preserving and enhancing riparian habitat.
- d) Opportunities for recreation.
- e) Protecting water supply and groundwater recharge.

### 2. What flood risk information sources do you use?

- a) County GIS and Websites
- b) County Department of Transportation Hotline
- c) County Road Closure Email Service
- d) County Department of Transportation Road Closure Webpage and Map
- e) District Information Counter
- f) District GIS or Flood Hazard Map
- g) FEMA Webpages
- h) Friends & Neighbors
- i) Realtors & Insurance Agents

### 3. What sources of flood warning information have you used?

- a) District ALERT Webpage and/or Mobile App
- b) National Weather Service (radio and television)
- c) MyAlerts.pima.gov
- d) Weather Websites
- e) Cell Phone Alert

### 4. What flooding situations have you experienced?

- a) I have experienced flooding while driving.
- b) I have altered my route due to street flooding.
- c) I have driven through flooded washes to get to my destination.
- d) My home has flooded.
- e) One or more buildings on my property have flooded.
- f) My property has flooded (but no buildings).
- g) A wash on my property has flowed.
- h) My property has experienced erosion due to flooding.

### 5. Do you have flood insurance?

- a) Yes, my mortgage requires building coverage.
- b) Yes, I like to be safe.
- c) Yes, I have contents coverage.
- d) No, I don't have a mortgage that requires it.
- e) No, it never floods here.
- f) No, I rent and didn't know that contents coverage was available.
- g) I don't know.

For More Information

[www.pima.gov/fmp/](http://www.pima.gov/fmp/) \* [greg.saxe@pima.gov](mailto:greg.saxe@pima.gov) \* 520-724-4633

201 N. Stone Avenue, 9<sup>th</sup> Floor, Tucson Arizona 85701

**6. Have you taken steps to reduce the impacts of flooding on your property and/or prepared for flooding?**

- a) Yes, I have taken steps to reduce damages to my property.
- b) Yes, I know what to do during a flood.
- c) No, it doesn't concern me.
- d) No, I rent.
- e) No, I don't have the money.
- f) No, I didn't know what to do.

**7. What steps have been taken in your area or neighborhood to reduce flood risk?**

- a) Constructed Improvements (channels, culverts, crossings, and erosion control)
- b) Education (HOA meetings, handouts, public events)
- c) Habitat and Open Space Preservation
- d) Installation of Water Harvesting or Other Green Infrastructure.
- e) Preventative Maintenance (brush and debris removal)

**8. Please check all of the following District activities in which you have participated:**

- a) Resolving Complaints
- b) Getting Technical Assistance
- c) Education & Outreach (Including attending project meetings and workshops.)
- d) Using Flood Maps & Studies, or Obtaining Elevation Certificates
- e) Using Flood Warning Systems
- f) Implementing Habitat Management, Water Harvesting and Green Infrastructure
- g) Implementing Infrastructure Improvements
- h) Visiting Multi-Use Recreation Sites
- i) Obtaining Permit

**9. Do you support public funding of flood control improvements?**

- a) Yes
- b) No

**10. Maintaining floodprone areas in their natural state is a beneficial and cost effective way of managing flood risks. Do you support preserving floodplains in their natural condition?**

- a) Yes
- b) No

**11. Would you be interested in participating further in the Floodplain Management Plan process? If yes, please provide contact Email below!**

- a) Yes, to receive meeting announcements and project update emails.
- b) Yes, to complete a more detailed survey about flood hazard awareness and management preferences.
- c) Yes, to provide information or management preferences regarding a specific location, or locations.
- d) No

**Comments:**

|

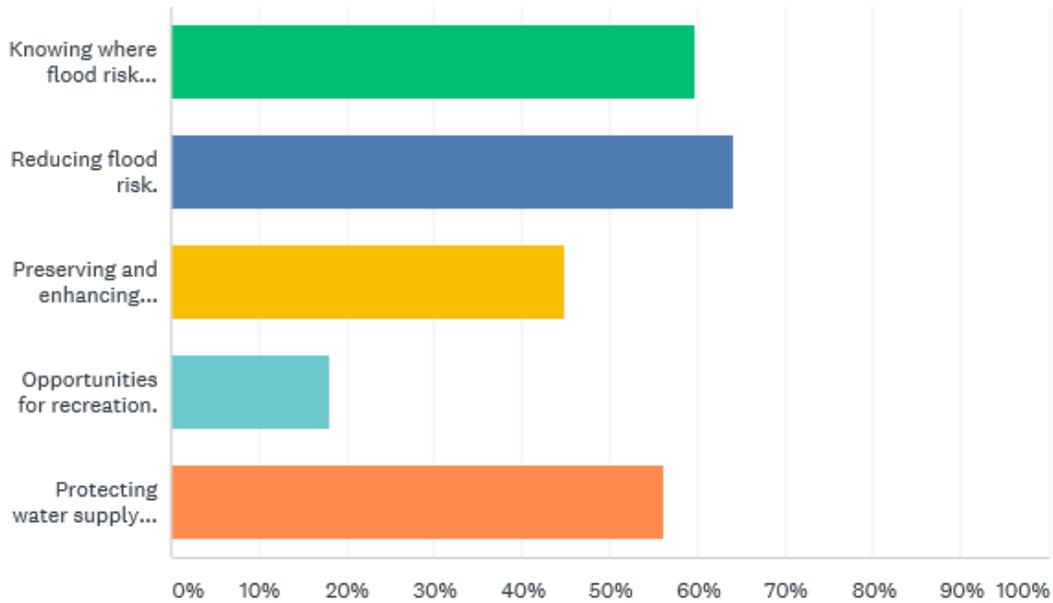
**Contact Email:**

[www.pima.gov/fmp/](http://www.pima.gov/fmp/) \* [greg.saxe@pima.gov](mailto:greg.saxe@pima.gov) \* 520-724-4633  
201 N. Stone Avenue, 9<sup>th</sup> Floor, Tucson Arizona 85701

Figure 263 - Sample Survey (Paper Version)

## What floodplain issues are important to you?

Answered: 855 Skipped: 4

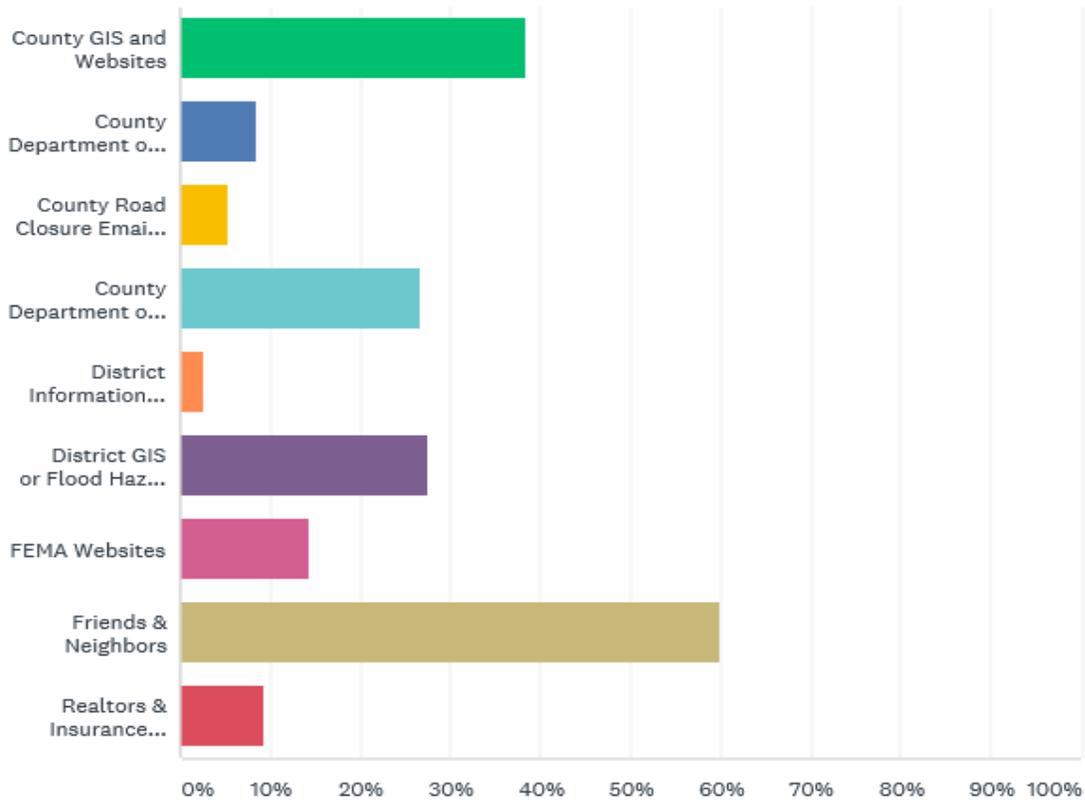


ANSWER CHOICES	RESPONSES	
Knowing where flood risk exists.	59.53%	509
Reducing flood risk.	64.09%	548
Preserving and enhancing riparian habitat.	44.80%	383
Opportunities for recreation.	18.01%	154
Protecting water supply and groundwater recharge.	56.02%	479
<b>Total Respondents: 855</b>		



# What flood risk information sources do you use?

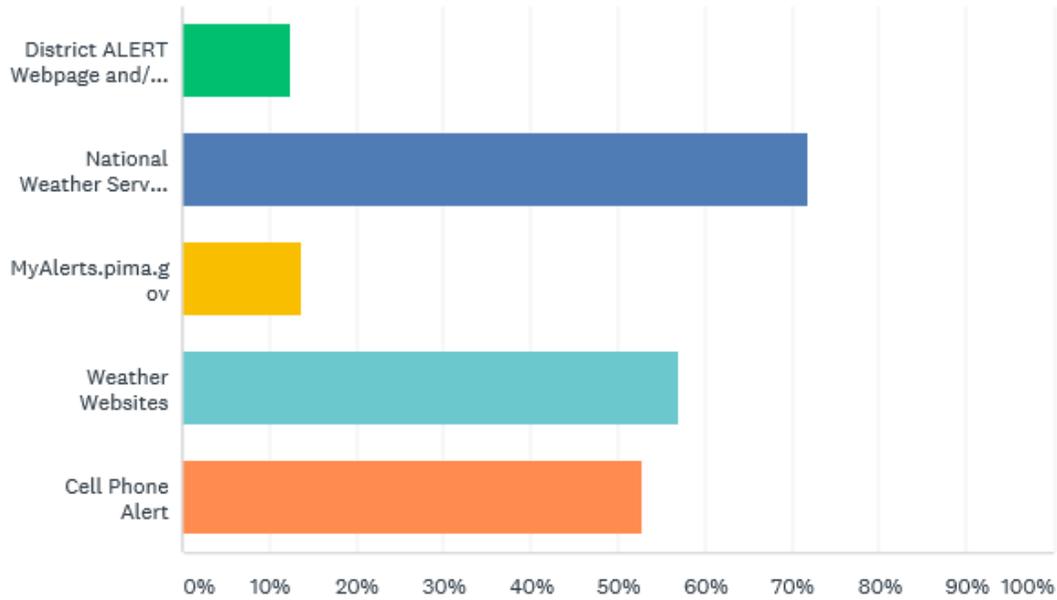
Answered: 810 Skipped: 49



ANSWER CHOICES	RESPONSES	
County GIS and Websites	38.27%	310
County Department of Transportation Hotline	8.40%	68
County Road Closure Email Service	5.19%	42
County Department of Transportation Road Closure Webpage & Map	26.67%	216
District Information Counter	2.47%	20
District GIS or Flood Hazard Map	27.41%	222
FEMA Websites	14.32%	116
Friends & Neighbors	59.75%	484
Realtors & Insurance Agents	9.26%	75
<b>Total Respondents: 810</b>		

# What sources of flood warning information have you used?

Answered: 822 Skipped: 37

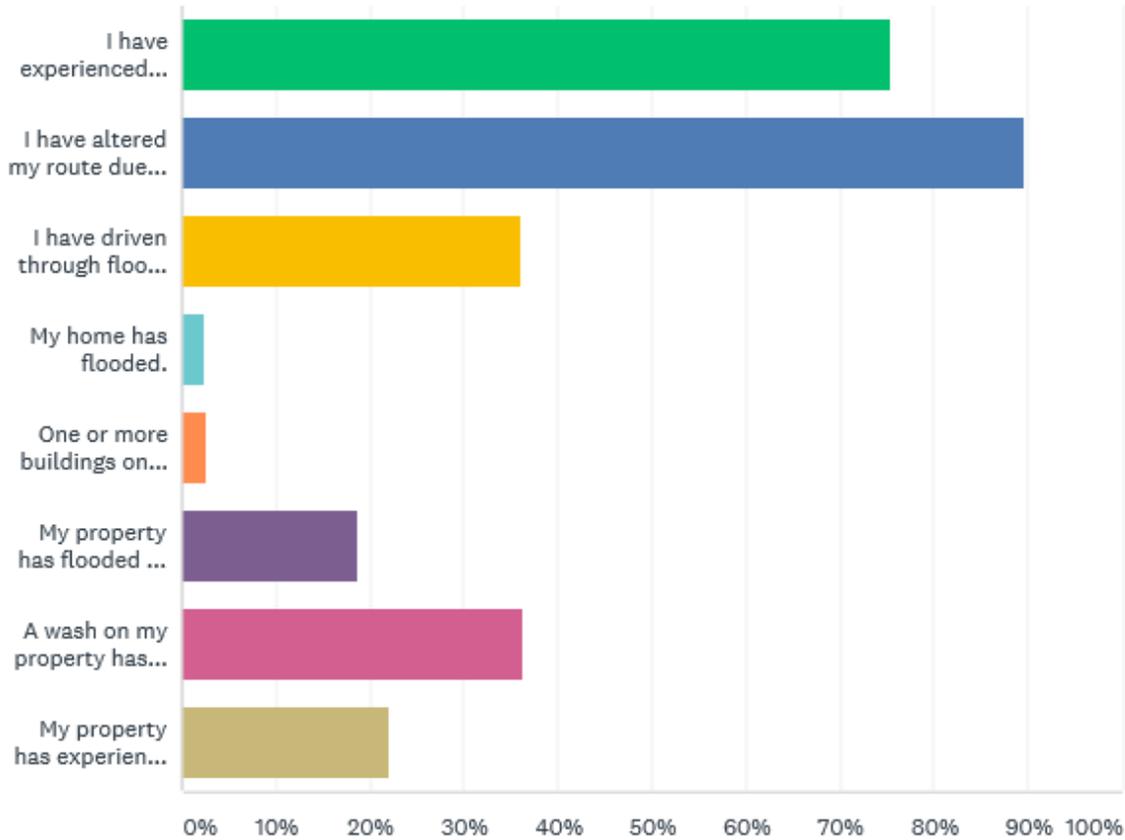


ANSWER CHOICES	RESPONSES	
District ALERT Webpage and/or Mobile App	12.29%	101
National Weather Service (radio and television)	71.78%	590
MyAlerts.pima.gov	13.50%	111
Weather Websites	56.93%	468
Cell Phone Alert	52.80%	434
<b>Total Respondents: 822</b>		



# What flooding situations have you experienced?

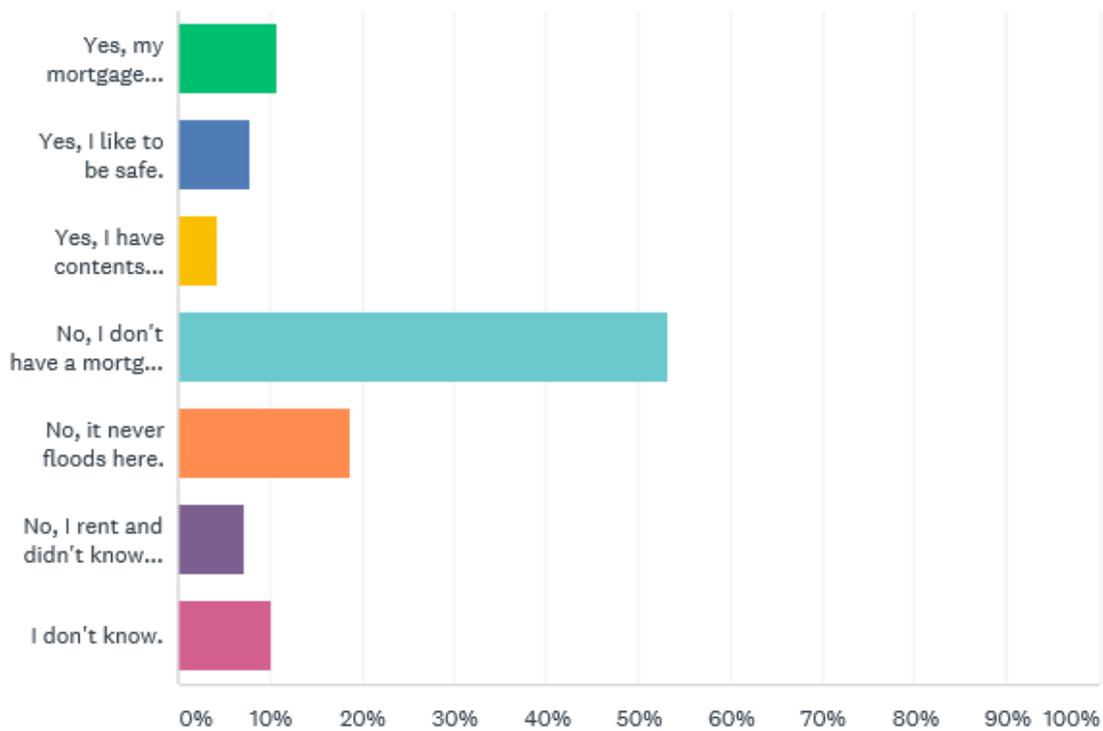
Answered: 836 Skipped: 23



ANSWER CHOICES	RESPONSES	
I have experienced flooding while driving.	75.24%	629
I have altered my route due to street flooding.	89.47%	748
I have driven through flooded washes to get to my destination.	36.00%	301
My home has flooded.	2.39%	20
One or more buildings on my property have flooded.	2.51%	21
My property has flooded but not buildings.	18.66%	156
A wash on my property has flowed.	36.12%	302
My property has experienced erosion due to flooding.	22.01%	184
<b>Total Respondents: 836</b>		

# Do you have flood insurance?

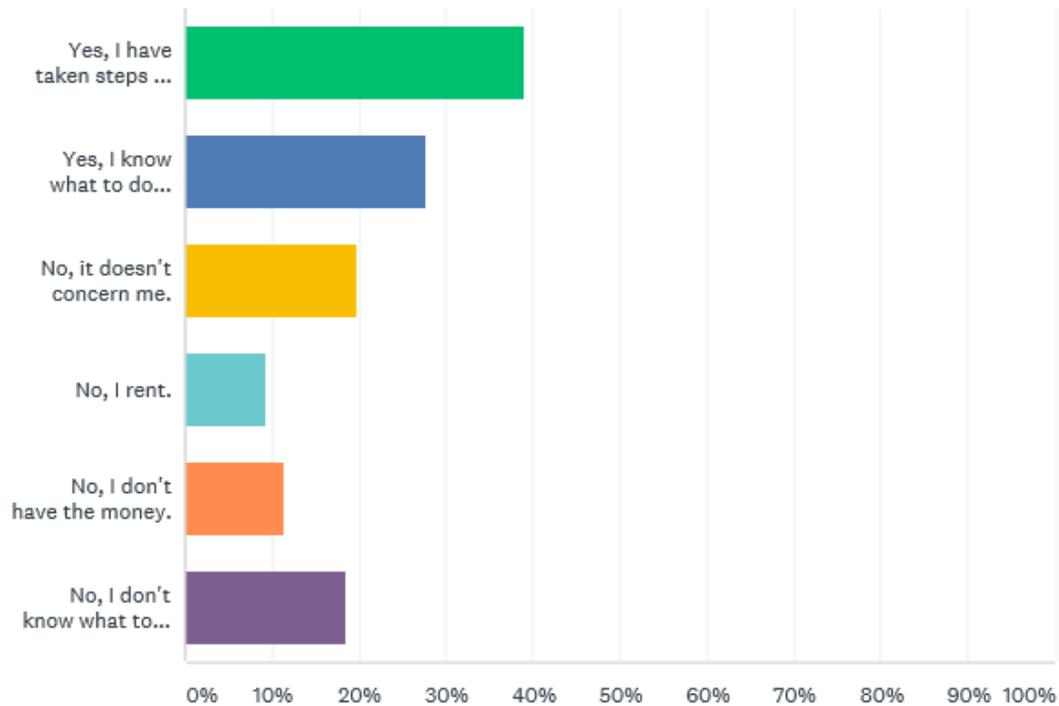
Answered: 849 Skipped: 10



ANSWER CHOICES	RESPONSES	
Yes, my mortgage requires the building to be covered.	10.72%	91
Yes, I like to be safe.	7.77%	66
Yes, I have contents coverage.	4.24%	36
No, I don't have a mortgage that requires it.	53.24%	452
No, it never floods here.	18.61%	158
No, I rent and didn't know that contents coverage was available.	7.18%	61
I don't know.	10.01%	85
<b>Total Respondents: 849</b>		

# Have you taken steps to reduce the impacts of flooding on your property and/or prepared for flooding?

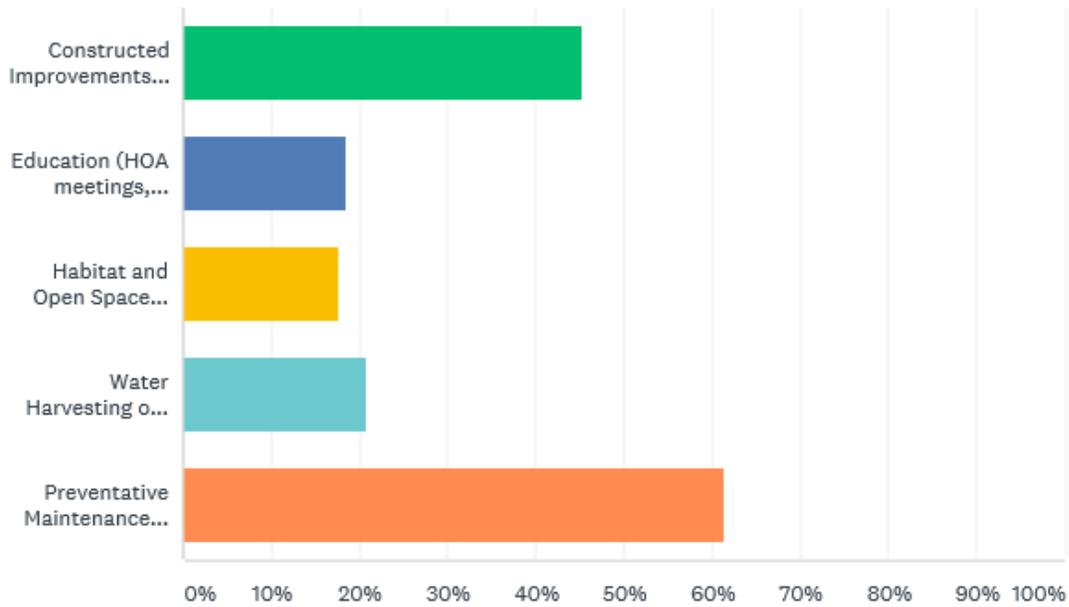
Answered: 846 Skipped: 13



ANSWER CHOICES	RESPONSES	
Yes, I have taken steps to reduce damages to my property.	38.89%	329
Yes, I know what to do during a flood.	27.54%	233
No, it doesn't concern me.	19.74%	167
No, I rent.	9.10%	77
No, I don't have the money.	11.23%	95
No, I don't know what to do.	18.44%	156
<b>Total Respondents: 846</b>		

# What steps have been taken in your area or neighborhood to reduce flood risk?

Answered: 696 Skipped: 163

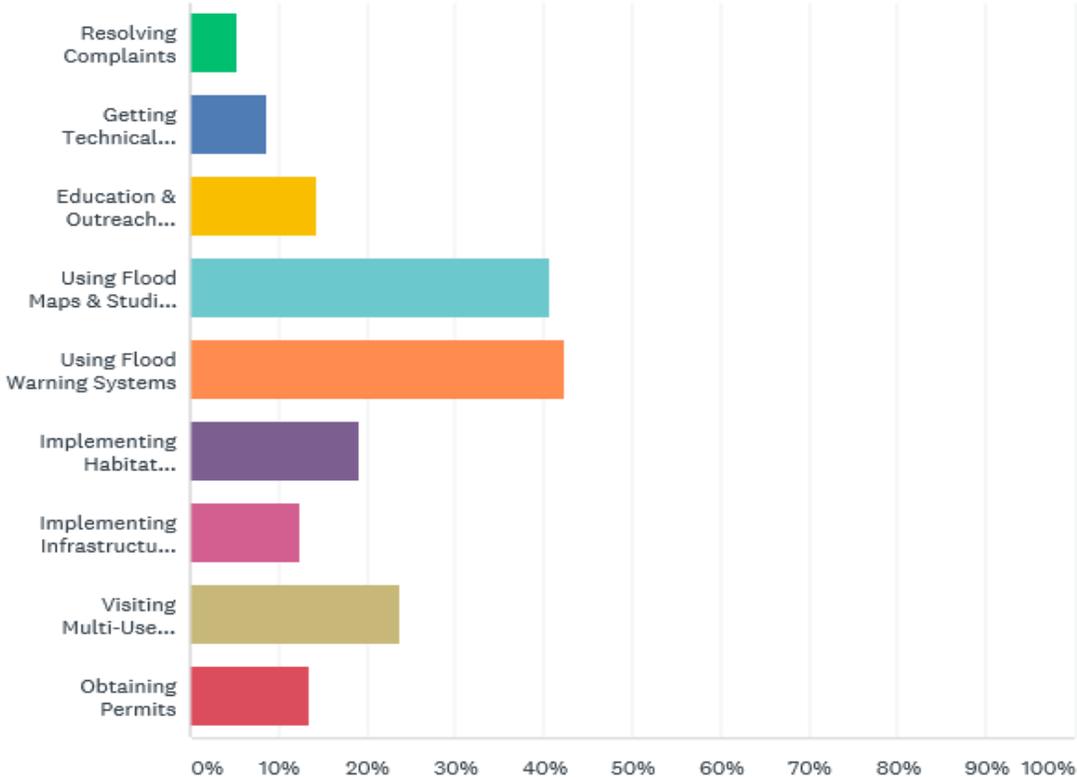


ANSWER CHOICES	RESPONSES
Constructed Improvements (channels, culverts, crossings, and erosion control)	45.11% 314
Education (HOA meetings, handouts, public events)	18.39% 128
Habitat and Open Space Preservation	17.67% 123
Water Harvesting or Other Green Infrastructure Installation	20.69% 144
Preventative Maintenance (brush and debris removal)	61.21% 426
<b>Total Respondents: 696</b>	



# Please check all of the following District activities in which you have participated:

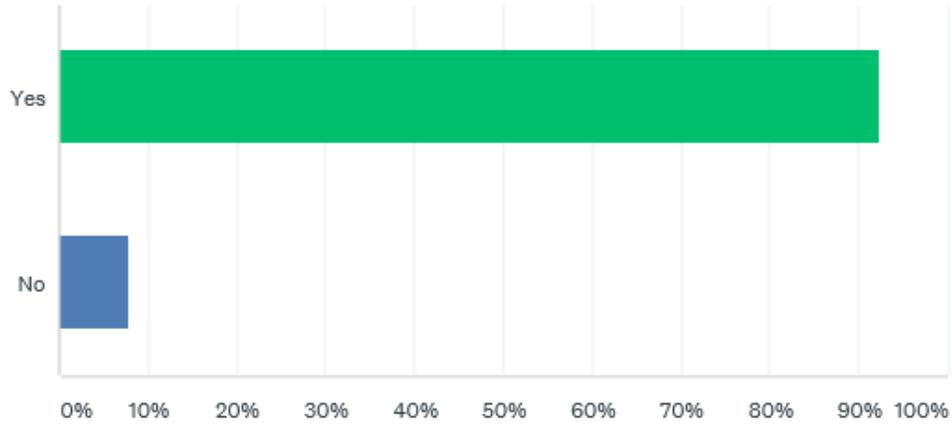
Answered: 671 Skipped: 188



ANSWER CHOICES	RESPONSES	
Resolving Complaints	5.22%	35
Getting Technical Assistance	8.49%	57
Education & Outreach (Including attending project meetings and workshops.)	14.31%	96
Using Flood Maps & Studies, or Obtaining Elevation Certificates	40.54%	272
Using Flood Warning Systems	42.18%	283
Implementing Habitat Management, Water Harvesting and Green Infrastructure	19.08%	128
Implementing Infrastructure Improvements	12.37%	83
Visiting Multi-Use Recreation Sites	23.70%	159
Obtaining Permits	13.41%	90
<b>Total Respondents: 671</b>		

# Do you support public funding of flood control improvements?

Answered: 846 Skipped: 13

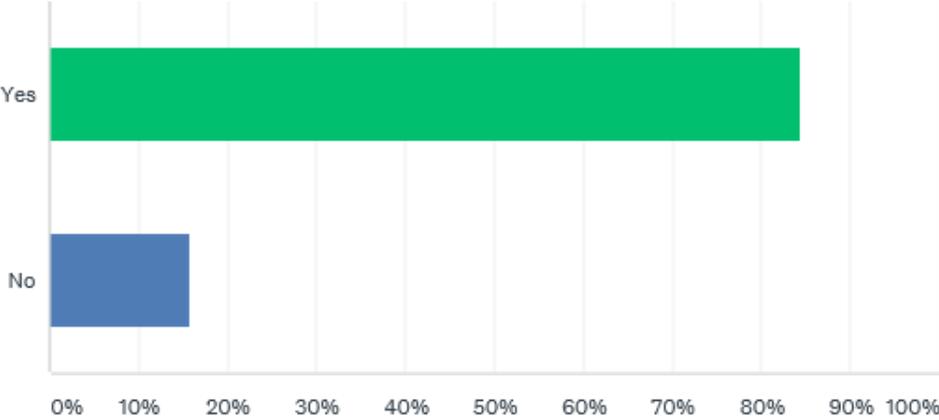


ANSWER CHOICES	RESPONSES	
Yes	92.32%	781
No	7.68%	65
<b>TOTAL</b>		<b>846</b>

DK

Maintaining floodprone areas in their natural state is a beneficial and cost effective way of managing flood risks: Do you support preserving floodplains in their natural condition?

Answered: 845 Skipped: 14



ANSWER CHOICES	RESPONSES	
Yes	84.38%	713
No	15.62%	132
<b>TOTAL</b>		<b>845</b>

These results clearly show areas requiring greater emphasis including outreach, promotion of flood insurance and natural floodplain function including infiltration, as well as support for and widespread participation in these activities.