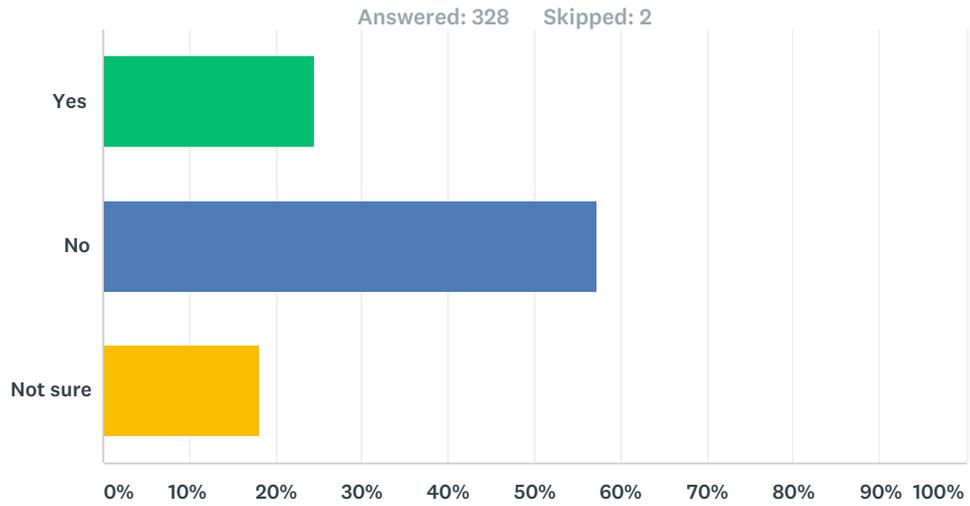


Q1 1. What Watershed do you live in (select your best answer referencing the map above)?

Answered: 325 Skipped: 5

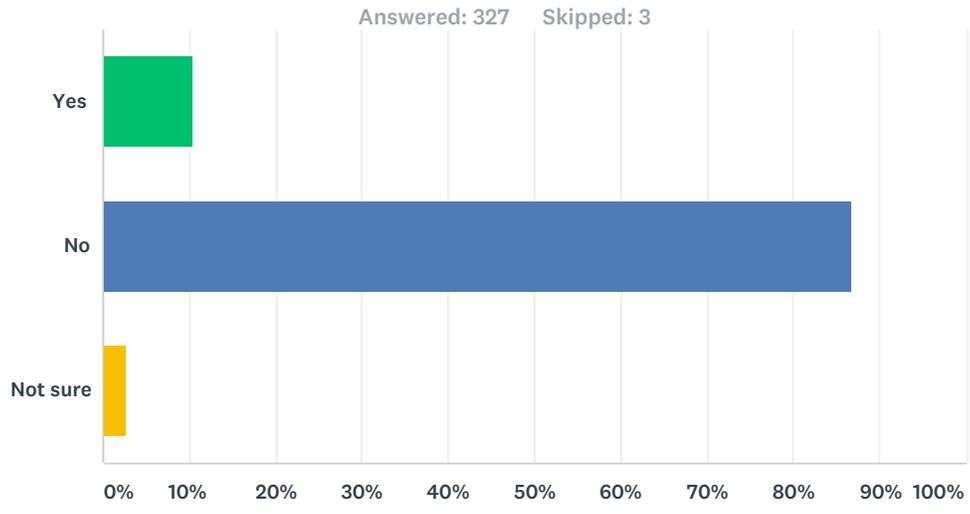
	Outside City Limits	Inside City Limits	Total
Black River	93.75% 15	6.25% 1	16
Budd Inlet	22.08% 17	77.92% 60	77
Chehalis River	100.00% 13	0.00% 0	13
Deschutes - Lower	34.21% 13	65.79% 25	38
Deschutes - Middle	100.00% 3	0.00% 0	3
Deschutes - Upper	0.00% 0	100.00% 1	1
Eld Inlet	94.12% 16	5.88% 1	17
Henderson Inlet	65.96% 31	34.04% 16	47
McAllister	89.71% 61	10.29% 7	68
Nisqually	80.65% 25	19.35% 6	31
Skookumchuck River	0.00% 0	100.00% 2	2
Totten Inlet	75.00% 6	25.00% 2	8
West Capitol Forest	100.00% 2	0.00% 0	2
Outside of Thurston County	100.00% 2	0.00% 0	2

Q2 2. Do you live in a floodplain or area that experiences flooding?



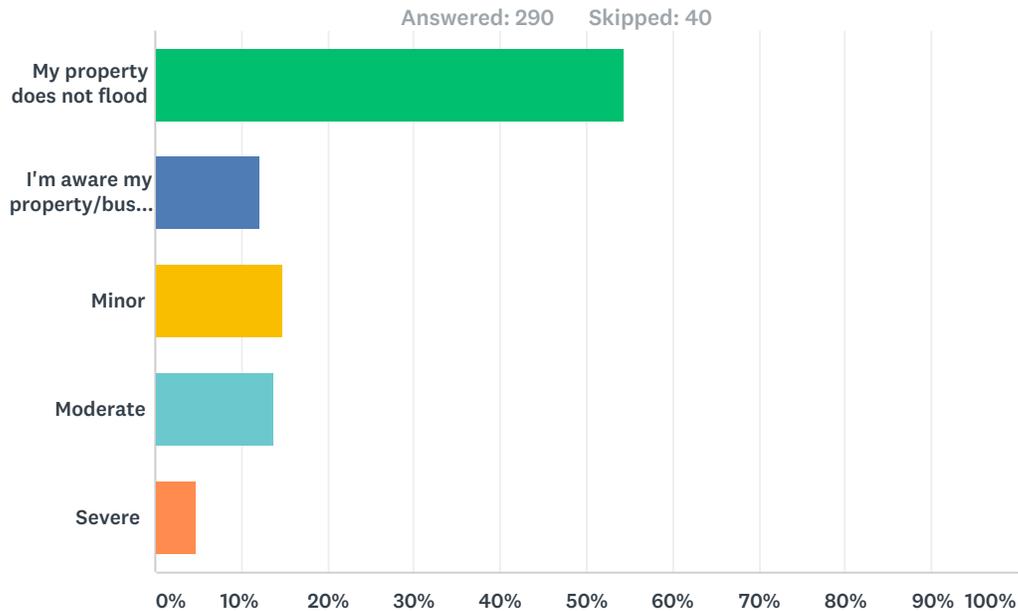
Answer Choices	Responses
Yes	24.39% 80
No	57.32% 188
Not sure	18.29% 60
TOTAL	328

Q3 3. Do you own or operate a business, or work in an area that experiences flooding?



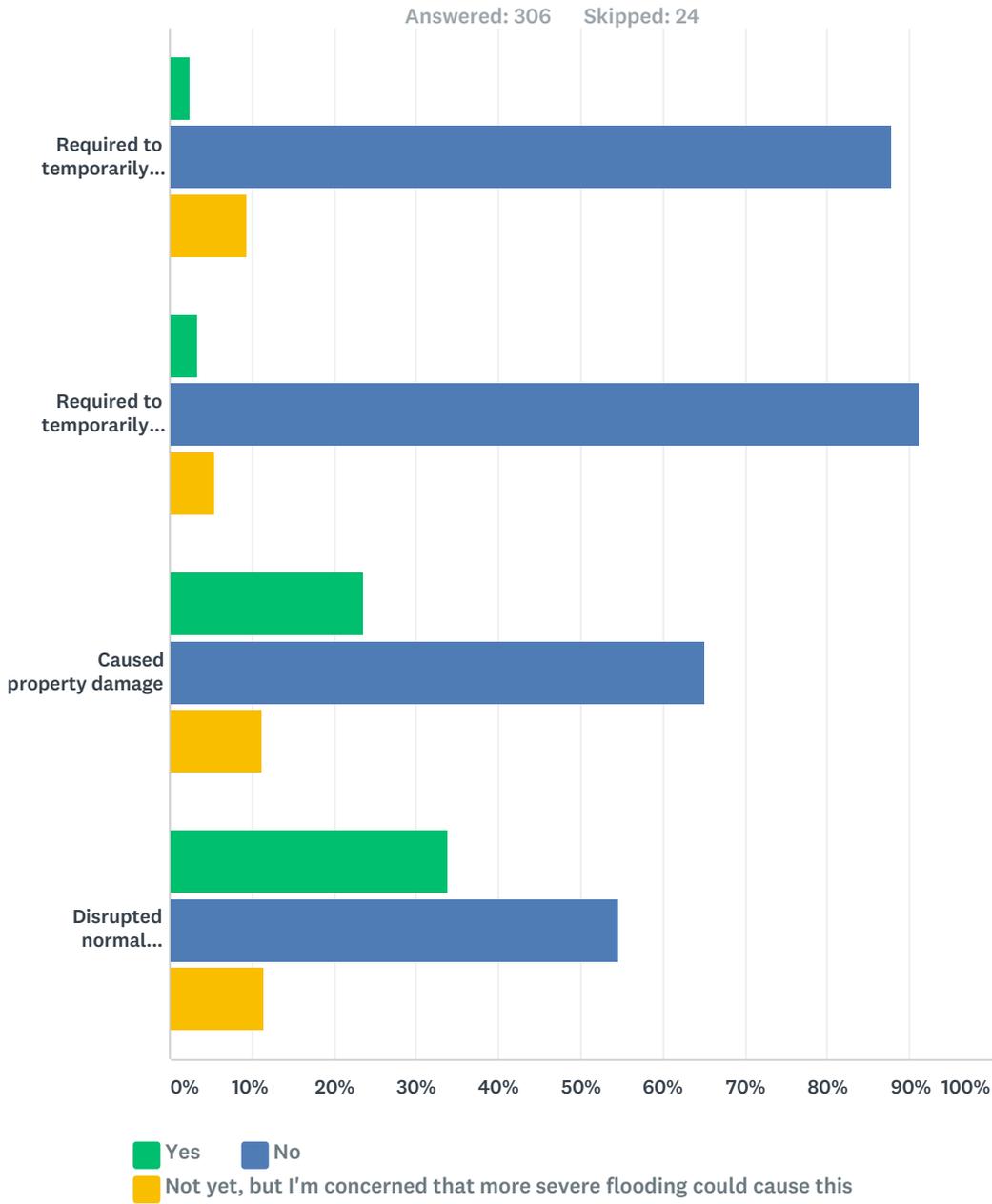
Answer Choices	Responses
Yes	10.40% 34
No	86.85% 284
Not sure	2.75% 9
TOTAL	327

Q4 4. If you live or work in an area that is subject to flooding, how severe were the impacts to your property/business from past floods (consider the worst event you experienced)?



Answer Choices	Responses	
My property does not flood	54.48%	158
I'm aware my property/business may flood, but I have not experienced any flooding yet	12.07%	35
Minor	14.83%	43
Moderate	13.79%	40
Severe	4.83%	14
TOTAL		290

Q5 5. Mark all flood impacts that you have experienced in Thurston County (select the best answer for each question).



	Yes	No	Not yet, but I'm concerned that more severe flooding could cause this	Total
Required to temporarily evacuate your home	2.55% 7	87.96% 241	9.49% 26	274
Required to temporarily close or suspend your business	3.45% 9	91.19% 238	5.36% 14	261
Caused property damage	23.59% 67	65.14% 185	11.27% 32	284
Disrupted normal transportation patterns	33.93% 95	54.64% 153	11.43% 32	280

Thurston County Flood Hazards Community Survey

#	Other (please describe)	Date
1	The rainy season brings high water levels to Lk. St. Clair, submerging the landing to my dock for nearly 6 months of the year. My shoreline has been eroding for the last several years, necessitating a block wall, to save a patio	6/29/2017 11:18 AM
2	The water is a foot-and-a-half above my bulkhead my lawn is underwater at my dock	6/28/2017 10:18 PM
3	It has impacted the water level on lake st clair and impacted how and when we are able to use the lake.	6/27/2017 9:00 PM
4	The continued increase in the water level in Lake Sinclair will flood my home by my estimate in the next 3 years unless the current trend changes	6/24/2017 6:14 AM
5	Property on Lake St Clair. Flooding is damaging docks and bulkhead. Flooding is causing property values to fall. Lake is not useful with 5 mph speeds all summer.	6/22/2017 10:26 PM
6	Due the tree removal surrounding Capitol HS, wind has forced rain into my attic and under an exterior door on the western facing side of my home on Conger Ave NW. I mention this as the cyclonic action of aggressive wind patterns seem to blow easily above the open space left by this school athletic field arrangement at Capitol HS. The aggressive wind/rain action might be heightened by Budd Inlet and Eld Inlet that channel weather spiral pattern if the storm cycles in congruence to this treeless space above Capitol HS. And, as I have mentioned it, this did occur two years ago. I recognized it for what it was due my experience with gale force winds while farming oysters on Willapa Bay, WA.	6/21/2017 10:22 PM
7	We do most of our shopping in Centralia-Chehalis	6/21/2017 1:56 PM
8	Lost shoreline on Lake St. Clair	6/20/2017 3:35 PM
9	Flooding on Offut lake rd	6/20/2017 12:18 PM
10	Erosion of our waterfront	6/19/2017 9:04 AM
11	I live along Lake St. Claire. The recent rise in the lake level caused by the closure of the McAllister Springs pumping station has flooded several homes along the lake and cause significant erosion issues with virtually every property along the lake. This is completely different from a flooding river. We are over half-way through June and the lake level remains near its historic high level. I have no confidence that the County has any plan (or even interest) in dealing with this problem. But the County certainly likes the revenues it receives from taxing our eroding lake front property.	6/19/2017 8:29 AM
12	I live on Lake St Clair which is experiencing record high water levels. Our house is not affected but our dock, bulkhead and lower property have been damaged.	6/18/2017 10:36 PM
13	I live on Lk St Clair, and my address is 10508 46th Ave SE, Olympia, 98513. I have never seen Lk St Clair as high as it go this year. My dock has been lifted off the two poles that are holding it, the lake has gone over my bulkhead (never has it done this before), and into my shed that holds play equipment, etc that is on the lakefront near the bulkhead. There is still water on my grass inside the bulkhead on the north side of my property. It obviously has washed away land, as I can see where the water is coming from, and there has always been growth and land there for the nearly 32 years I have lived on the lake. I have not been able to get down to the lake to investigate what damage has been done inside the shed.	6/18/2017 5:05 PM
14	Loss of property which is now under water at my lakefront home. Water is over bulkhead, soil eroded from shoreline and dock was underwater until two weeks ago. Lost dock and shore to dock walkway. Willow tree at property edge is about four feet under water again this year, last year beavers chewed through bottom trunk. Lakeside water pump damaged again this year.	6/16/2017 1:57 PM
15	Lake water is flooding my yard causing erosion of soil and hindered accessing the lake safely, children could just tumble into the lake due to my yard sloping towards it and being under water.	6/16/2017 9:58 AM
16	Cannot use lake st claire ..drain field pollution and cannot get to dock	6/16/2017 8:41 AM
17	I have had seasonal flooding that is causing progressive structural damage to my home. In addition, that flooding has already damaged my heating system beyond repair. In the winter I survive by wood stove and space heaters. I cannot access outside portions of my home without using rubber boots, waders or a boat. This condition starts in the fall and continues until mid-summer. This historic flooding has increased in severity every year since approximately 2012.	6/16/2017 8:07 AM

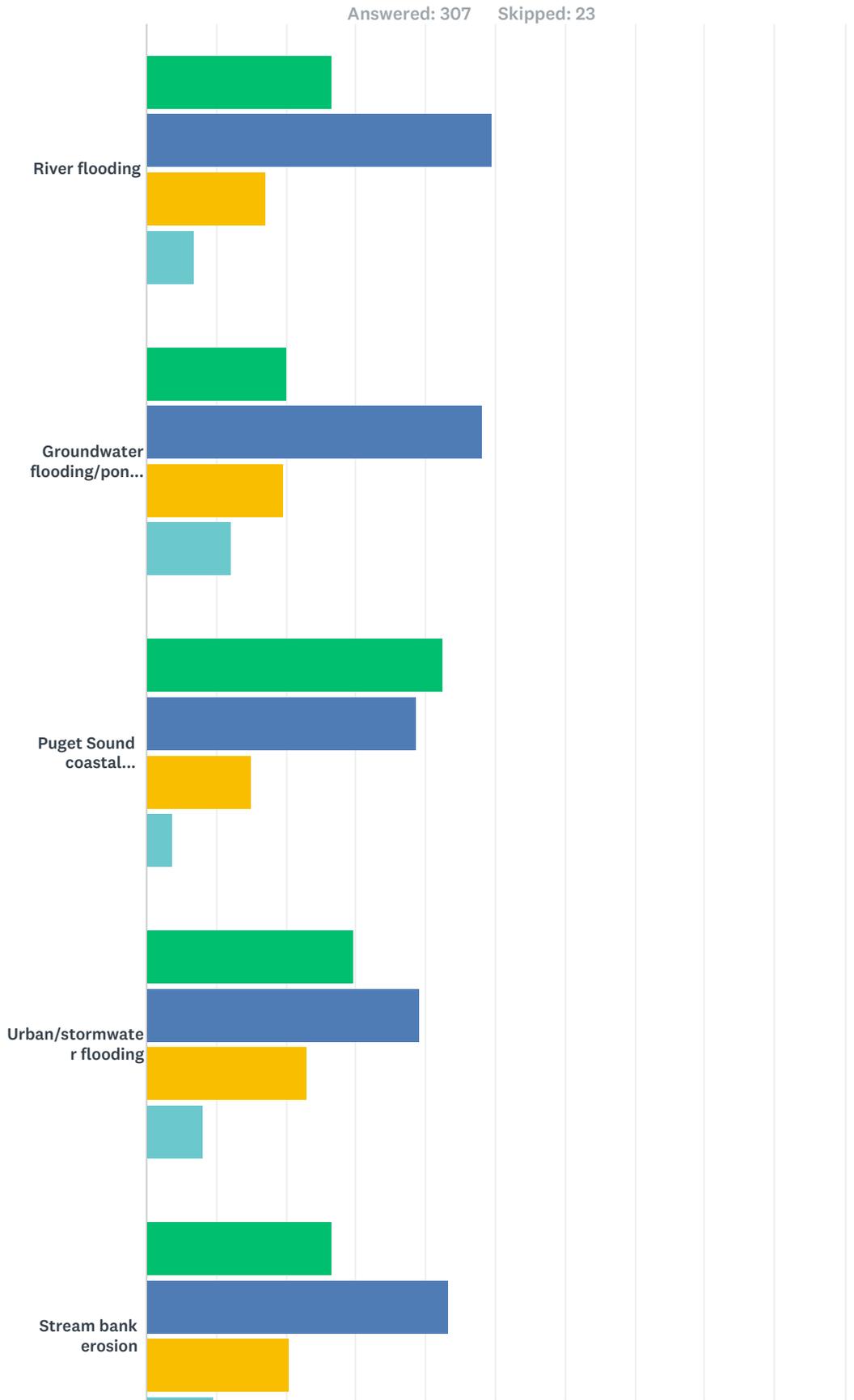
Thurston County Flood Hazards Community Survey

18	I have lost the use of one third of my lake front property. The flooding has increased every year for the past six years causing major damage to my yard and property.	6/16/2017 6:38 AM
19	For many years we experienced a regular rise and fall of the lake (Lake St Claire). For the past 8 years we have experienced constant rise in the water level during the winter months. This year being the highest. Each year we have lost more of our vegetation and had damage to our property.	6/15/2017 7:17 PM
20	Property damage to dock, float and stairs. Erosion of land. Loss of land. Damage to trees.	6/15/2017 4:05 PM
21	Excessive water in Lake St. Clair has crested bulkhead and flooded yard.	6/15/2017 3:20 PM
22	Lake St. Clair has risen to the point where we can no longer use a segment of our property. We used to maintain the children's play apparatus there but that's no longer possible because it's now underwater.	6/15/2017 2:54 PM
23	Flooding last few years at Lake Saint Clair. Water over my bulkhead this year with erosion behind.	6/15/2017 2:21 PM
24	I live on Lake St Clair and the lake is flooding the basements on 2 of our properties. I have had to sand bag the area in front of the door to try and keep the water. Damage is being caused to the door and frame	6/15/2017 1:39 PM
25	Dramatic rise in Lake St. Clair Lake Levels over last 10 years - Shoreline erosion, dock damage, wetland habitat destruction.	6/15/2017 1:37 PM
26	I live on Lake St. Clair. The lake itself is flooding.	6/15/2017 10:41 AM
27	I am staff for Chehalis River Basin Flood Authority. Thurston County portion of the Basin has a history of sever flooding -- 1996, 2007, 2009.	6/7/2017 9:03 AM
28	Simply noted storm water ponds filled this year. If we did not have them, we would have had minor damage to homes immediately adjacent (ours is one).	6/4/2017 5:52 PM
29	Our home is situated behind a very large apartment complex being built at the intersection of Martin Way and Dutterow/Meridian. The contractor has built the ground up to the height of our backyard fence (4foot). We are concerned about runoff from that complex flooding the vents under our house.	6/3/2017 10:55 AM
30	Ground water flooding our field, parts of our yard & over drainfield area. As a precaution significantly reduced all water & septic use. Setting up pumps to disharge water away from house & shops. Water flooding into our shop approx 1 ft. Required raising vehicles, freezers and all other items off the floor.	6/2/2017 5:53 PM
31	Road Mugho floods.	6/2/2017 11:01 AM
32	Only minor flooding at traffic intersections	6/1/2017 8:27 AM
33	Neighbor sits in low spot; City of Lacey should not have approved property division and building permit for neighbor 30 years ago. It was against code at the time, but builder/owner twisted arms. Unethical decisions don't go away; problems are imposed on others.	6/1/2017 7:10 AM
34	my home flooded when city storm drains were covered in debris	6/1/2017 7:04 AM
35	Unfortunately our piece of property seems to be the onsite retention basin for our neighbors when it rains too much.	5/31/2017 9:27 PM
36	Live near Nisqually River but the flood in the 1990's did not reach my home although we were stranded since the roads were all underwater. Better planning by officials at the dam upriver would have prevented that flood.	5/31/2017 7:53 PM
37	Experienced increase in groundwater, runoff, and slope/landscape damage as a result of storm water culvert absence (where there should be)	5/31/2017 7:06 PM
38	Live in Jubilee Retirement Community. Not sure if that is a flood zone	5/31/2017 6:35 PM
39	Just moved here in the fall of 2015 & haven't noticed any flooding on the west side of the freeway from Marvin to South Bay where South Bay crests the hill.	5/31/2017 4:29 PM
40	FEMA says that I am in a flood plain next to the Chamber's Ditch, however I have not found anyone that says that the water has ever topped Chamber's ditch in my neighborhood and my house floor is 15' above the ditch. I am currently in the process of submitting a LOMA to get my home out of FEMA's high risk flood plain designation.	5/31/2017 4:21 PM

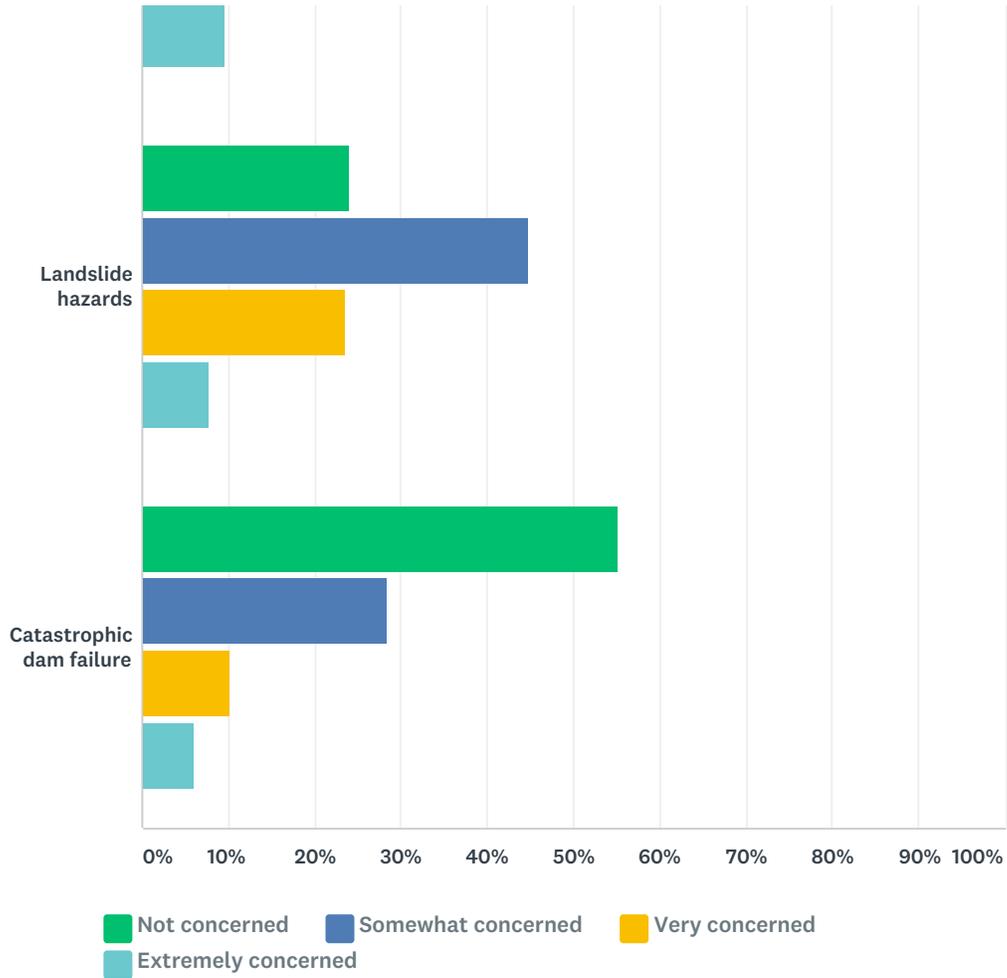
Thurston County Flood Hazards Community Survey

41	Cedar Flats area was severely impacted by the 2008 -2010	5/31/2017 3:33 PM
42	Flood level came up to about 4 feet from entering my garage - but then receded.	5/31/2017 3:30 PM
43	I have water rising through basement foundation caused by housing development near property. Mostly now controlled by retro sump system. Building code should have required sump system when house built in 1981.	5/31/2017 3:29 PM
44	Parking lot flooded.	5/31/2017 3:12 PM
45	Only floods in the pasture, no buildings	5/31/2017 3:09 PM
46	Beaver dams block outlet from Long Lake damaging my yard and dock, keeping my family and friends from using my dock. Intrusive, spurious, misguided regulations seem to prevent removing the beaver's hard work.	5/24/2017 11:40 AM
47	As a part of disaster preparedness -- I have not seen any maps showing inundation zones from a tsunami that could happen IF the Cascadia Subduction Zone every ruptures. I would LOVE to see models on this AND places that people can go to for shelter.	5/23/2017 9:29 PM
48	Our Pasture flooded. Neighbors septic tanks floated. Neighbors streets closed and homes inaccessible except by boat.	5/22/2017 9:57 PM
49	Our Pasture flooded. Neighbors septic tanks floated. Neighbors streets closed and homes inaccessible except by boat.	5/22/2017 9:56 PM
50	I expect my lower fields to flood and make adjustments. Let the baby duck grow in peace. My home and barns are on a bench above the flood zone	5/22/2017 5:43 PM
51	I live in Scottlake	5/21/2017 8:32 PM
52	received survey in mail, please remove our names from your list.	5/20/2017 2:47 PM
53	Represented buyers & sellers of properties that have experienced flood impacts, including the necessity of flood insurance at very high costs which though necessary can reduce property values & make properties unaffordable for buyers.	5/19/2017 10:14 AM
54	Minor inconvenience in travel and parking at work place	5/18/2017 3:03 PM

Q6 6. How concerned are you with each of the following flood types or flood-related hazards throughout Thurston County?



Thurston County Flood Hazards Community Survey



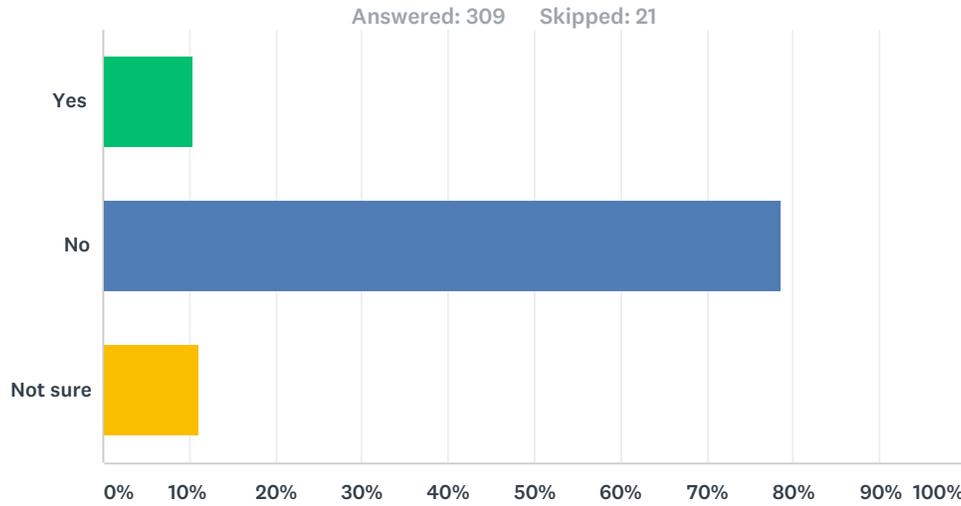
	Not concerned	Somewhat concerned	Very concerned	Extremely concerned	Total
River flooding	26.62% 78	49.49% 145	17.06% 50	6.83% 20	293
Groundwater flooding/ponding	20.07% 60	48.16% 144	19.73% 59	12.04% 36	299
Puget Sound coastal flooding	42.47% 124	38.70% 113	15.07% 44	3.77% 11	292
Urban/stormwater flooding	29.73% 88	39.19% 116	22.97% 68	8.11% 24	296
Stream bank erosion	26.64% 77	43.25% 125	20.42% 59	9.69% 28	289
Landslide hazards	23.96% 69	44.79% 129	23.61% 68	7.64% 22	288
Catastrophic dam failure	55.32% 156	28.37% 80	10.28% 29	6.03% 17	282

#	Other (please describe)	Date
1	I am having trouble with the survey finally got to 2nd page of Questions, will make attempt to complete survey. Note page 1 Lake front home, lower level will be subject to flooding if lake level continues to rise. Data suggest lake could rise another 5-12 ft. this is emergency right now!	6/28/2017 9:18 PM
2	Level of Lake St. Clair rising at increased levels each of past 3 years. Continuation at this rate will definitely cause many homes, including ours, to flood.	6/27/2017 4:46 PM

Thurston County Flood Hazards Community Survey

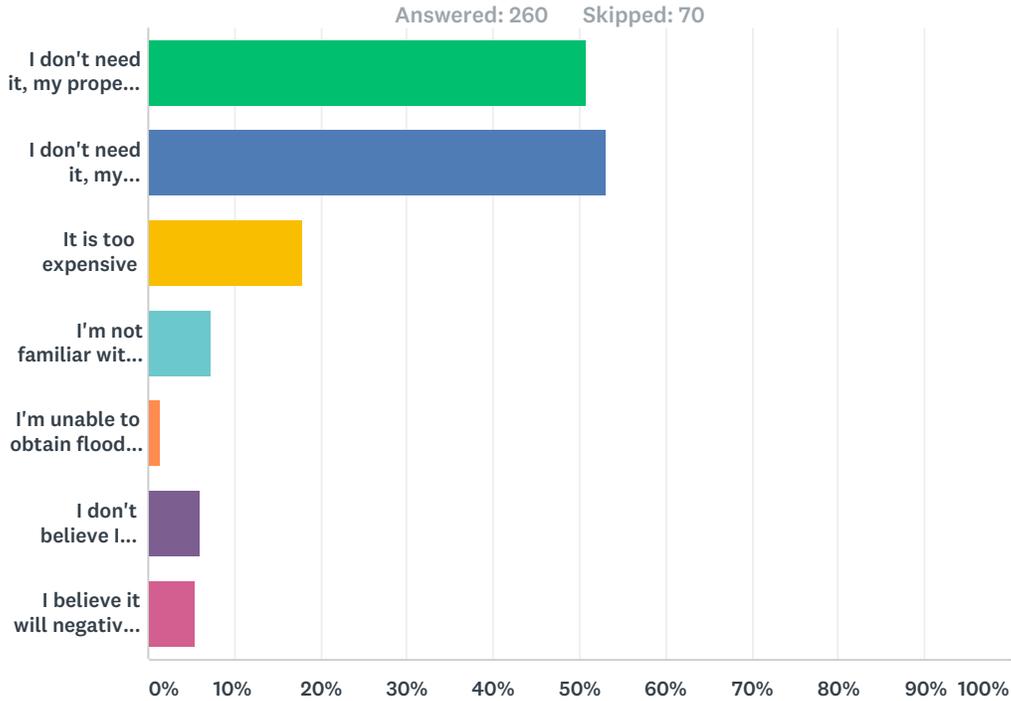
3	The dam on the 5th Avenue Bridge needs to be removed so that the original estuary can be reclaimed. Removal of the 5th Avenue Bridge dam will reduce the threat of urban flooding at the basin of the Deschutes River.	6/25/2017 7:37 PM
4	Sea Level Rise related flooding in urbanized/downtown Olympia.	6/24/2017 8:23 PM
5	As previously described, I am concerned with spiral wind hitting my southern facing home front, off Conger Ave NW, from above Capitol HS due to the drop in altitude and treeless space from the south west. The two channels of the Puget Sound; Bud Inlet and Eld Inlet are natural channels to offer high wind avenues for spiraling weather patterns.	6/21/2017 10:28 PM
6	I don't know what dam you're referring to.	6/21/2017 1:47 PM
7	I am extremely concerned about the high level of Lake St Clair and the damage it has done to numerous properties on the lake. Many have lost their yards to the water and have had to sandbag their homes in order to keep water out.	6/18/2017 5:09 PM
8	We live on Lake St Clair. Lake levels are at flooding levels damaging home, bank fronts, landscape and docks.	6/18/2017 8:03 AM
9	Lake St Clair flooding	6/16/2017 4:14 PM
10	Taxes for my property go up each year but damage and loss of my shoreline reduces potential sales.	6/16/2017 2:00 PM
11	The flooding that has already caused major damage at my home is affected by stormwater and (via inability to drain) coastal flooding.	6/16/2017 8:09 AM
12	I had a new bulkhead installed back in early 1992. The first time the lake water rose over the bulkhead was in 2010, and every year since it has gotten higher and higher, this year was a record high with two feet of water over my bulkhead flooding my entire yard for the past six months.	6/16/2017 6:54 AM
13	Lake St. Clair bank overflow damage to beach and yard.	6/15/2017 7:46 PM
14	There is a creek that is contributing to our water issues. If it wasn't adding to our lake problems, we would be in better shape.	6/15/2017 7:22 PM
15	Unable to use our lake front of our lake house at Lake St. Clair for 7 months this winter Nov-June	6/15/2017 3:42 PM
16	Excessive water in lake.	6/15/2017 3:24 PM
17	Lake St. Clair, drastic changes in higher lake level over last 4 years.	6/15/2017 2:43 PM
18	Lake Saint Clair flooding property.	6/15/2017 2:33 PM
19	Neighbor discarding toxic materials, such as roofing tiles, on lake bank. Neighbor periodically covering storm drains.	6/1/2017 7:15 AM
20	I expect there may be some flooding if we have a large earthquake or the mountain erupts, I am concerned about where to go if that happens. Need an escape route.	5/31/2017 7:57 PM
21	There was a news report saying that everything west of I-5 would be underwater if we had a tsunami. Is this accurate?	5/31/2017 6:40 PM
22	Freeway flooding	5/31/2017 6:21 PM
23	Allowing residential building in flood areas such as proposed use for Capitol center building.	5/31/2017 3:34 PM
24	Groundwater flooding affects us the most in the NE Salmon Creek Basin. Sea level rise is affecting downtown more, soon.	5/22/2017 10:03 PM
25	The lack of Capitol Lake dredging is reducing the State/City capacity to manage through Lake/Dam/High Tide events which causes flooding in the downtown that could be prevented with proper Lake Dredging.	5/21/2017 10:14 AM

Q7 7. Do you have flood insurance?



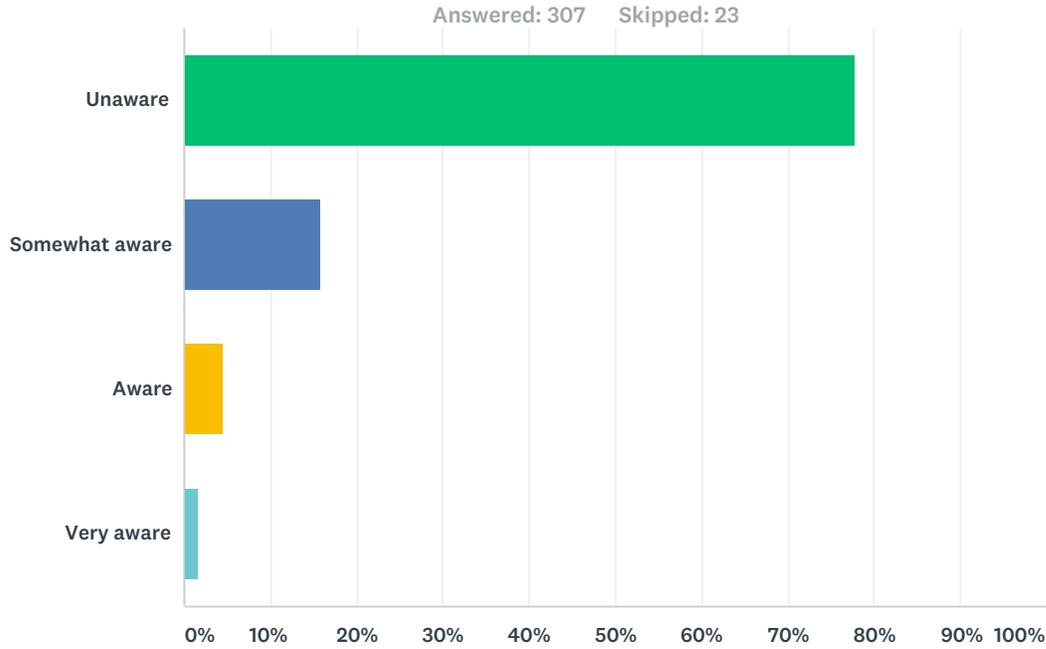
Answer Choices	Responses	
Yes	10.36%	32
No	78.64%	243
Not sure	11.00%	34
TOTAL		309

Q8 8. If you do NOT have flood insurance, why not (mark all that apply)?



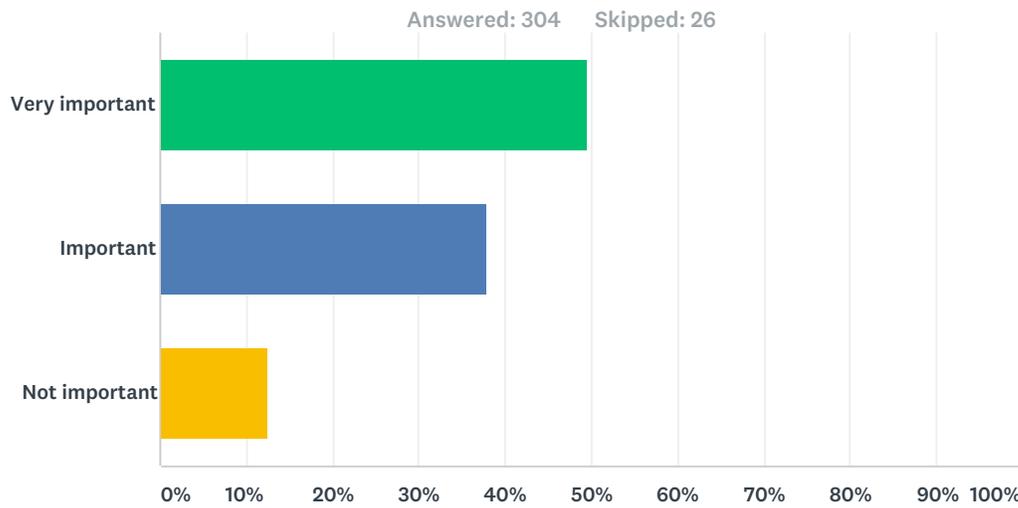
Answer Choices	Responses
I don't need it, my property has never flooded	50.77% 132
I don't need it, my structures are located on high ground	53.08% 138
It is too expensive	18.08% 47
I'm not familiar with it/don't know about it	7.31% 19
I'm unable to obtain flood insurance	1.54% 4
I don't believe I qualify for coverage	6.15% 16
I believe it will negatively affect the value of my property	5.38% 14
Total Respondents: 260	

Q9 9. What is your awareness about Thurston County's work on reducing flood damage, resulting in a 40% percent reduction in flood insurance premiums for people in the 100-year flood plain and a 10% reduction for people living outside of the 100-year plain?



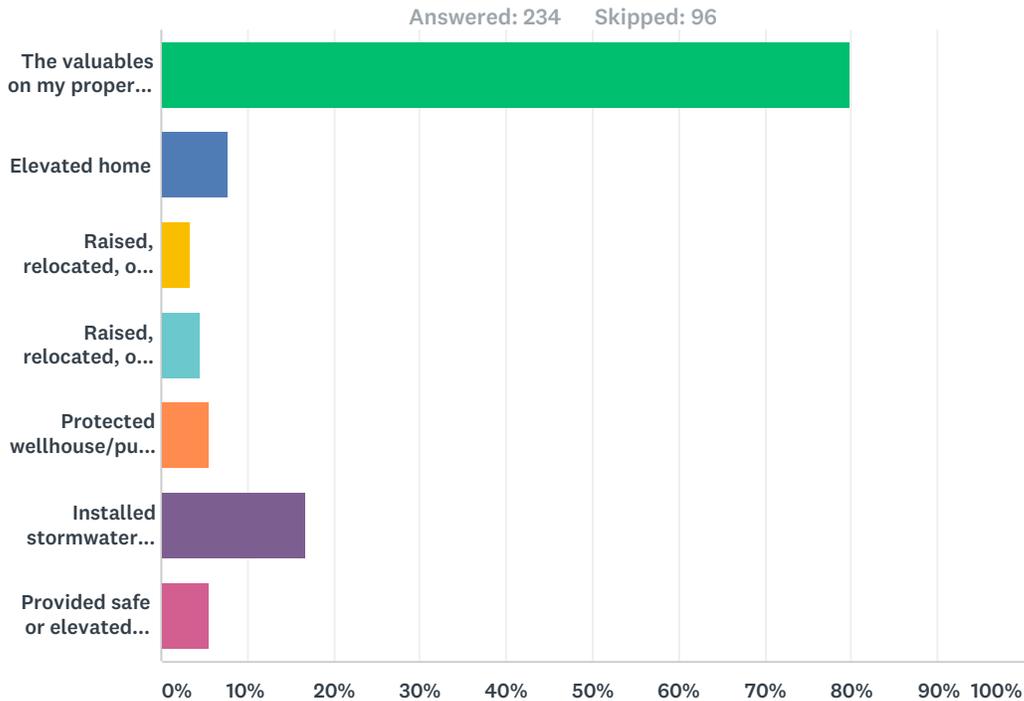
Answer Choices	Responses	
Unaware	77.85%	239
Somewhat aware	15.96%	49
Aware	4.56%	14
Very aware	1.63%	5
TOTAL		307

Q10 10. How important is it to you that the county continues to efforts to maintain a flood insurance discount for affected property owners?



Answer Choices	Responses	Count
Very important	49.67%	151
Important	37.83%	115
Not important	12.50%	38
TOTAL		304

Q11 11. What have you done to protect your property from flooding (mark all that apply)?



Answer Choices	Responses
The valuables on my property are not affected by flooding	79.91% 187
Elevated home	7.69% 18
Raised, relocated, or protected heating, ventilation, and air conditioning systems	3.42% 8
Raised, relocated, or protected electrical panel	4.70% 11
Protected wellhouse/pumphouse equipment	5.56% 13
Installed stormwater drainage improvements	16.67% 39
Provided safe or elevated locations(s) for livestock and pets	5.56% 13
Total Respondents: 234	

#	Other (please describe)	Date
1	Sandbagged along the lake front to keep water out.	6/29/2017 11:00 AM
2	I have no usable land at the bottom of my steps at the lake. It's under 1 and 1/2 ft of water so to get to my deck I have to walk across about a 45 degree angle Hill about 30 ft to get to my deck and my dock	6/28/2017 10:28 PM
3	Simple fix, create outlet for lake so water can flow out of lake at the high water mark. Or stop the flow of water into the lake.	6/28/2017 9:45 PM
4	I live in an apartment so I am unaware of their current flood insurance and protection strategies.	6/28/2017 6:02 PM
5	We store nothing by the water. It has impacted our dock and bulcades.	6/27/2017 9:03 PM
6	Prior to recent lake level increases, we didn't have a need for any of the above. We are now thinking that by next year, if water depth increases, we will need to look at options.	6/27/2017 4:52 PM

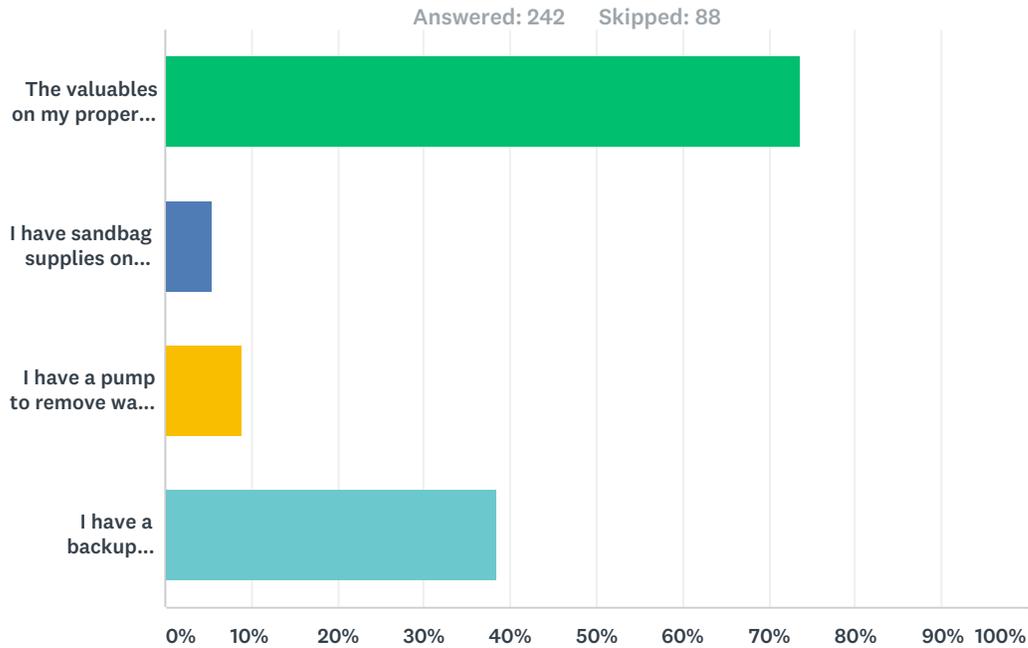
Thurston County Flood Hazards Community Survey

7	Will have to raise bulkhead to contain lake water from continual flooding of land	6/26/2017 3:00 PM
8	I have not done anything yet but will this fall prior to the rainy season	6/24/2017 6:19 AM
9	buildings are higher.	6/22/2017 10:29 PM
10	Improved drainage of lower areas	6/22/2017 7:05 AM
11	I buried a 55 gallon ss barrel of food, water purfier, matches and placed a 700 pound cement stepping stone on top to keep it in the ground in my front yard.	6/21/2017 10:34 PM
12	property is sloped with home at higher point	6/21/2017 3:32 PM
13	Moved to a different location that has far better drainage.	6/21/2017 2:38 PM
14	When other areas are flooded and you can't get to a store due to high water or other, we always have enough supplies on hand for many days.....	6/21/2017 2:03 PM
15	None of the above	6/20/2017 3:41 PM
16	My home is located at an elevated level and is not at risk. My property, on the other hand, is slowly eroding due to wave action and historic high lake levels.	6/19/2017 8:33 AM
17	High lake levels are eroding our lower property and will weaken our dock piling sand our bulkhead	6/18/2017 10:41 PM
18	I did not realize there would be an issue, as I have lived here for nearly 32 years and never had any issues with the lake being this high - until this year.	6/18/2017 5:13 PM
19	Flooding from high water on Lake St. Clair has destroyed my front lawn. Two feet of lawn is gone. High water is washing the soil away.	6/18/2017 1:28 PM
20	None of these options do anything for me. My home on lake st Clair will only be saved if Olympia starts pumping more water from the well fields	6/16/2017 4:22 PM
21	lost 8 to 10 feet of my lawn	6/16/2017 11:23 AM
22	have moved what I can to higher ground as the lake continues to rise	6/16/2017 10:10 AM
23	I am unable to mitigate flood damage without changes to my home in the hundreds of thousands of dollars of investment.	6/16/2017 8:15 AM
24	Dock is under water - nothing can be done at this point to mitigate this problem.	6/15/2017 7:55 PM
25	Tried to put a temporary wood wall up to keep all the debris from the lake coming onto our property. This didn't work and thus we have had lake water with all that it brings with it 15' up on our property.	6/15/2017 7:27 PM
26	Unable to do any thing possible	6/15/2017 3:46 PM
27	Nothing available	6/15/2017 3:29 PM
28	up to this point lake water has not entered my crawl space, but another 6 inches and I will have to relocate a furnace located under the house.	6/15/2017 2:53 PM
29	Moved my dock on Lake St Claire	6/15/2017 2:37 PM
30	Elevated washer and dryer, hot water heater and shelving.	6/15/2017 1:42 PM
31	Soft armoring to prevent further lakeshore erosion. Dock reconstruction and relocation.	6/15/2017 1:41 PM
32	This is only the second year (2015-16, 2016-17) that my property has flooded, ever. The water went over our bulkhead retaining wall and onto our bottom lawn.	6/15/2017 10:45 AM
33	Nothing at this time; builder installed environmental options to help with water drainage, but I have not done anything specific yet - need info on what I need to do	6/10/2017 1:43 PM
34	Done the above in Thurston County as well installed flood vents in Bucoda.	6/7/2017 9:06 AM
35	Will check into relocating, possibly, water shut off valve. Electrical panel is safe in garage. Gas shut off should be checked too.	6/4/2017 6:02 PM
36	The house sits on highest part of property. Our shop/barn are only structures in flood prone areas. We raise all items in those areas up to prevent damage. Buildings are metal & concrete so \$\$ damage to those buildings.	6/2/2017 6:11 PM
37	INSTALLED SECOND SEA RISE BULKHEAD	6/2/2017 4:05 PM

Thurston County Flood Hazards Community Survey

38	NONE	6/2/2017 12:34 PM
39	Use sump pump	6/1/2017 7:06 PM
40	installed pump in my yard	6/1/2017 7:08 AM
41	Installed sump pump	6/1/2017 5:53 AM
42	We did install ourselves, some french drains outside our foundation, but our basement still, due to very high water table, does get wet when there is a couple days of very, very heavy rain. Basement does not flood, as we have a large floor drain but basement does get about about 2 inches of water ever fall/winter, depending on the amount of rain.	5/31/2017 11:54 PM
43	Installed french drains along structures.	5/31/2017 9:24 PM
44	Not in flood zone, designated wetland or designated wetland buffer zone.	5/31/2017 8:14 PM
45	I live in a rental mobile home in the Delta...I am only concerned about leaving the area with my valuables and my dog to get to a safe location	5/31/2017 8:08 PM
46	Considering groundwater diversion by curtain drain and/or dewatering well.	5/31/2017 7:11 PM
47	Emergency kit for evacuation	5/31/2017 7:07 PM
48	NA	5/31/2017 6:43 PM
49	None	5/31/2017 6:31 PM
50	Haven't really done anything	5/31/2017 5:19 PM
51	Live upstairs.	5/31/2017 4:57 PM
52	My property does not flood	5/31/2017 4:34 PM
53	I bought my home with flooding in mind and chose one that built on a properly sloped lot near the middle of a gently sloping hill	5/31/2017 4:12 PM
54	I have storm water drainage that was overwhelmed TWICE by county maintained culverts overflowing their boundaries.I have no control over that.	5/31/2017 3:36 PM
55	None of the above - we should not be having this problem - the storm drain in front of our house is not draining properly and is causing flooding during big rains.	5/31/2017 3:33 PM
56	built lofts in storage areas/barns. Built elevated wood sheds to protect it from floating away.	5/26/2017 8:47 PM
57	I am not in a flood plain area.	5/23/2017 3:56 PM
58	Neighbor dug a ditch from his home to the back pasture to prevent the house flooding in 1998. We bought that place. The ditch is still there.	5/22/2017 10:04 PM
59	On high ground.	5/22/2017 6:19 PM
60	Ecological restoration to increase flood water storage.	5/22/2017 10:52 AM
61	Elevated downtown comm'l properties.	5/21/2017 4:05 PM
62	Bought a home with a history of being above the flood mark.	5/19/2017 5:18 AM
63	Given my elevation and terrain, even the major flooding events (as in 2006) did not dramatically impact our property or valuables. Well house required a special focus but even that was minimal.	5/18/2017 3:09 PM
64	Build on areas that don't or rarely flood.	5/15/2017 9:05 PM
65	Installed a permanent sump pump. Raised part of the lawn with extra dirt. Did not replant grass on another part due to concerns -- which actually materialized: this year the flooding is worse than last year, and covered that same area again.	5/15/2017 7:48 PM

Q12 12. What do you do to prepare for flooding (mark all that apply)?



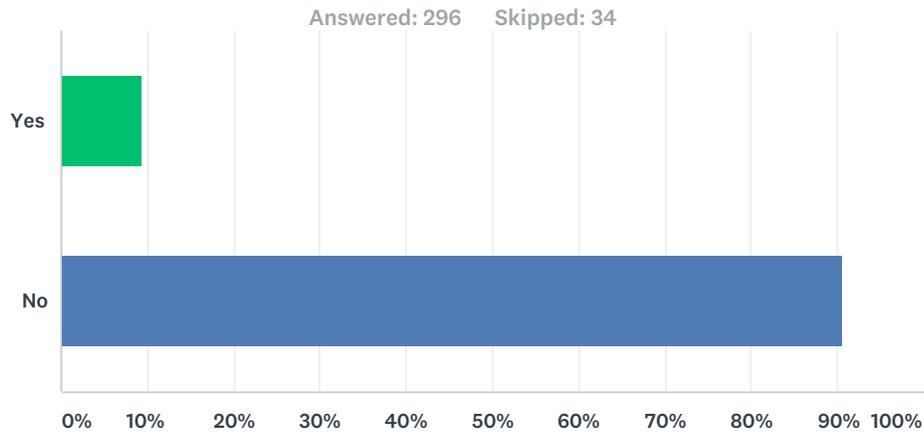
Answer Choices	Responses	
The valuables on my property are not affected by flooding	73.55%	178
I have sandbag supplies on hand	5.37%	13
I have a pump to remove water from my crawlspace or basement	9.09%	22
I have a backup generator for power outages	38.43%	93
Total Respondents: 242		

#	Other (please describe)	Date
1	I hope this get resolved so this is not an issue.	6/28/2017 9:45 PM
2	I currently do not possess any flood materials.	6/28/2017 6:02 PM
3	Nothing	6/22/2017 8:40 AM
4	I have 16 kW solar, 1100 gallons of water tank containment, and 55 gallons of food stored in the cool earth.	6/21/2017 10:34 PM
5	Move livestock, drive one car beyond flood zone to be "walked" to.	6/21/2017 3:32 PM
6	If measures were taken to reduce the level of the lake, we would not have to worry about flooding.	6/18/2017 5:13 PM
7	Unable to do anything about the erosion. When the power boats come out in the summer it further destroys our land. Would love to build a breakwater but permits and cost is prohibitive.	6/18/2017 1:28 PM
8	I plan to raise the level of my bulkhead by 2-3 feet on my lakefront.	6/17/2017 8:34 AM
9	If the water continues to rise on lake st Clair my home will be lost	6/16/2017 4:22 PM
10	concrete blocks to retain water	6/16/2017 11:23 AM
11	I have no recourse if flooding gets worse. I am unable to sand-bag. My home would flood from under the floor boards.	6/16/2017 8:15 AM

Thurston County Flood Hazards Community Survey

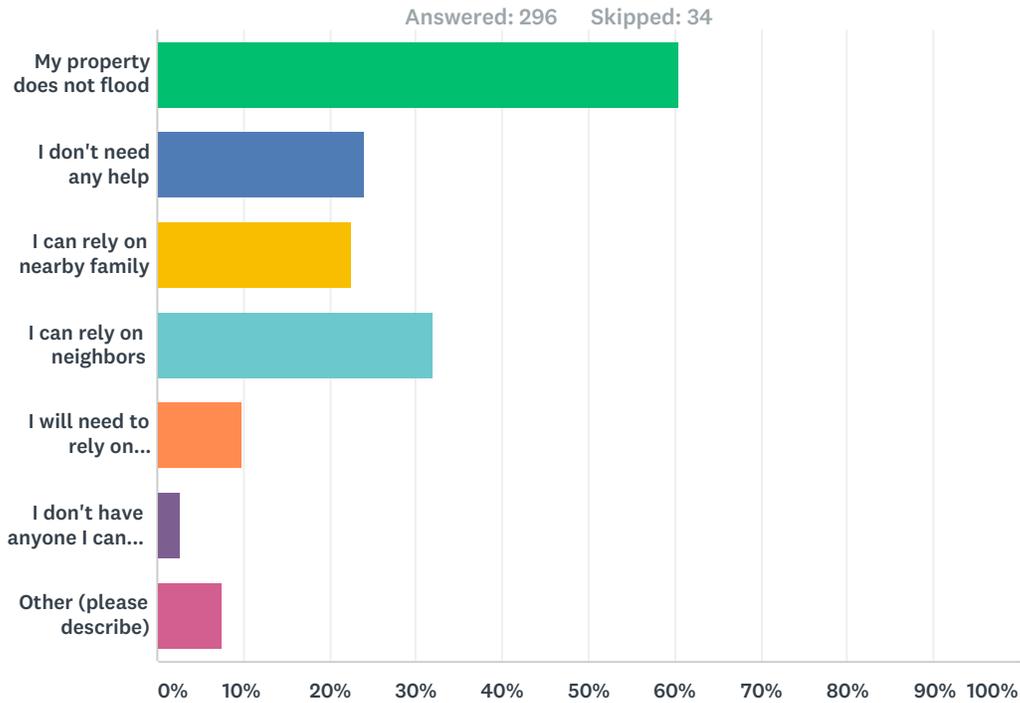
12	Because of the flooding of the lower level of my yard I am forced to build a retaining wall this summer to prevent high water from eroding the bank in front of my home.	6/16/2017 7:19 AM
13	There is nothing that can be done to protect a dock except raise its level. I will wait to see if this high lake level is long term before I go to trouble and expense of raising the dock. I believe a major contributor to this problem is extreme amount of rainfall over the past couple of years. The problem will resolve when normal rainfall returns.	6/15/2017 7:55 PM
14	Move items to higher ground	6/15/2017 2:37 PM
15	Nothing	6/10/2017 1:43 PM
16	Operate web-based/email based flood warning system.	6/7/2017 9:06 AM
17	3 high discharge pumps with 200ft discharge hose to pump water to back pasture to keep water lowered around drainfield area, septic tank, well and shop areas. Installed berms in low areas at edges of property. We Limit water use, use laundry mat ect. Very cautious and proactive to prevent property damage.	6/2/2017 6:11 PM
18	NONE	6/2/2017 12:34 PM
19	Everything in our basement is off the basement floor.	5/31/2017 11:54 PM
20	Will have backup generator before too long.	5/31/2017 9:24 PM
21	I have a packed go-bag containing my important papers and photos etc. a couple sets of clothing and some emergency food and pet food. I keep a case of bottled water in the trunk of my car. If I have enough warning I can leave in just minutes. If not I will have to wait it out or die. I am 80 years old.	5/31/2017 8:08 PM
22	We get groundwater flooding in our crawl space when there are heavy rains. We intend to install a pump this summer.	5/31/2017 7:26 PM
23	Emergency kit for evacuation	5/31/2017 7:07 PM
24	Nothing	5/31/2017 6:31 PM
25	none	5/31/2017 5:19 PM
26	My property does not flood	5/31/2017 4:34 PM
27	we are hoping you will clear the drain pipe to fix this from happening again	5/31/2017 3:33 PM
28	Move things up into higher storage areas. Move cars off property.	5/26/2017 8:47 PM
29	I am not in a flood plain area.	5/23/2017 3:56 PM
30	On high ground.	5/22/2017 6:19 PM
31	Ensure water passages are clear and functioning as designed.	5/22/2017 10:52 AM
32	Have Backhoe	5/19/2017 2:40 PM

Q13 13. Do you have a disability or other needs that will require you to receive assistance from others in the event of a major flood event?



Answer Choices	Responses	
Yes	9.46%	28
No	90.54%	268
TOTAL		296

Q14 14. Who can you rely on to provide aid during a flood event to help you ensure your safety or to evacuate (mark all that apply)?



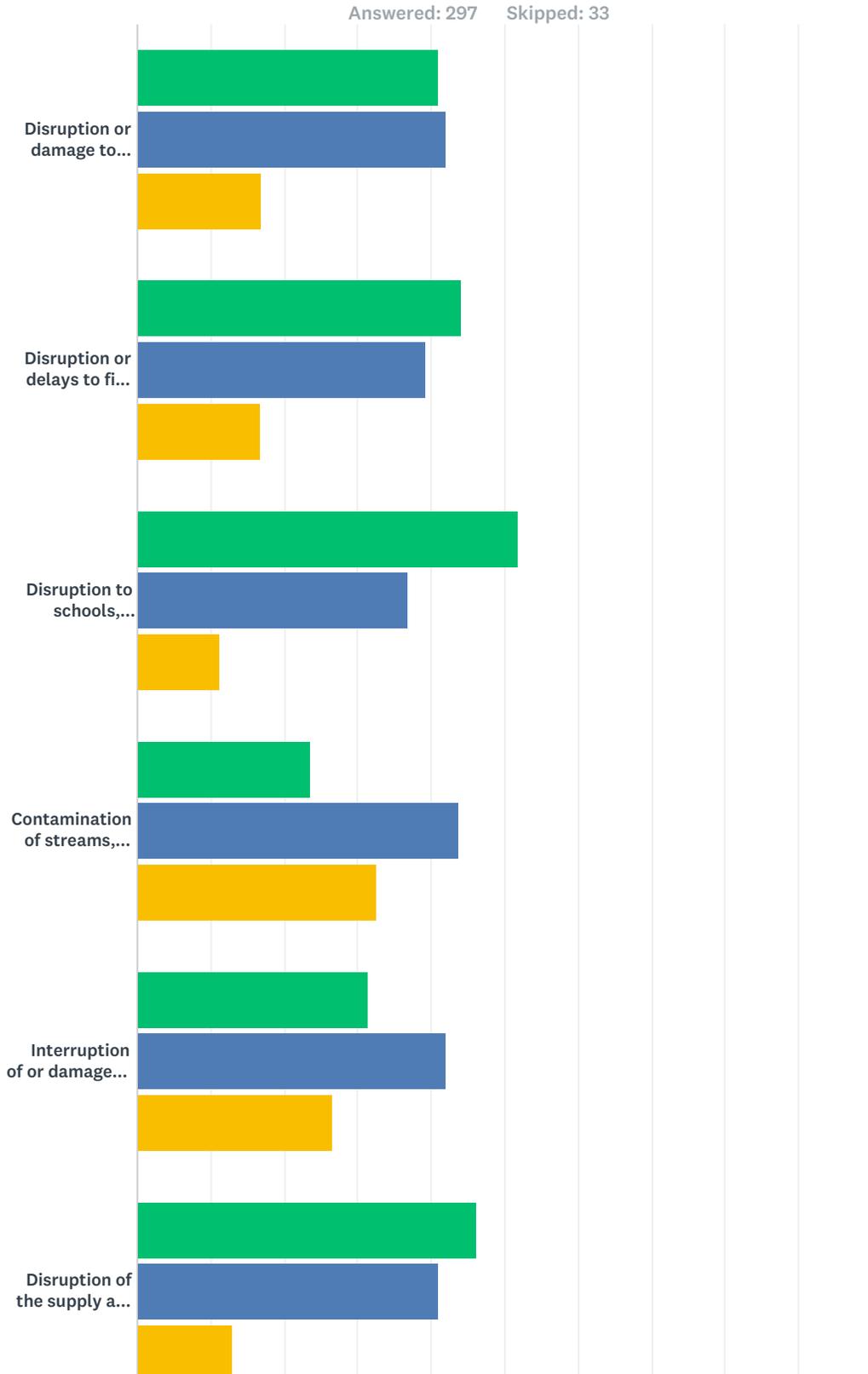
Answer Choices	Responses
My property does not flood	60.47% 179
I don't need any help	23.99% 71
I can rely on nearby family	22.64% 67
I can rely on neighbors	32.09% 95
I will need to rely on emergency providers by calling 9-1-1	9.80% 29
I don't have anyone I can rely on to help me during an emergency	2.70% 8
Other (please describe)	7.43% 22
Total Respondents: 296	

#	Other (please describe)	Date
1	As far as I am able to tell, my property does not flood. I am most concerned about the street infrastructure around my property. Driving in times of heavy rain, the roads around me fill with water and this makes driving very scary.	6/28/2017 6:02 PM
2	I have solar to heat/boil water, heat home, electric blanket, refer; and a sludge hammer to break a 700 pound stepping stone holding a barrel of food from floating out of the ground.,	6/21/2017 10:34 PM
3	friends from afar, or just Olympia	6/21/2017 3:32 PM
4	Property doesn't "flood" but is affected by water flowing through it via the natural and human manipulated drainage in the area. We have had the crawl space fill with water several times since moving here. It drains off prior to any real damage being done.	6/21/2017 2:38 PM
5	My house is not in jeopardy, but the lakefront of my property is, which involves my dock and shed, and I have never had to be concerned about this for nearly 32 years.	6/18/2017 5:13 PM

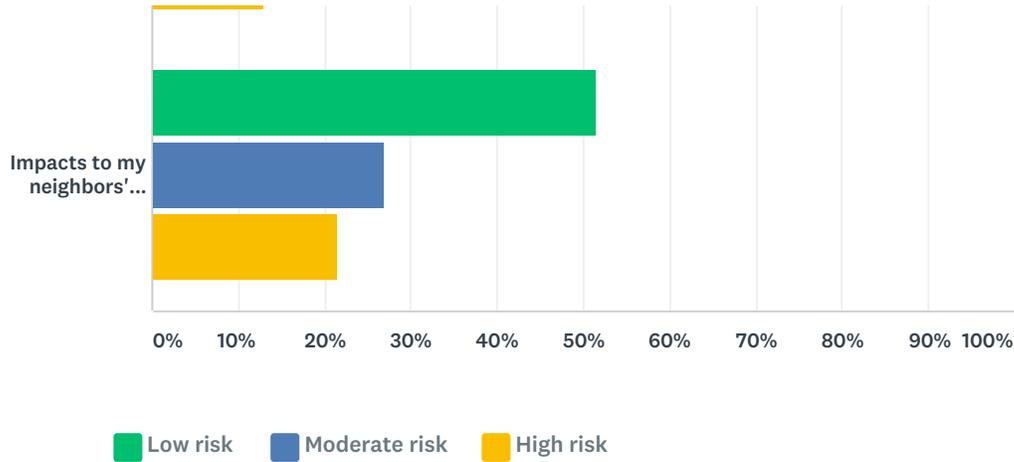
Thurston County Flood Hazards Community Survey

6	The lake rises slowly	6/16/2017 4:22 PM
7	I will have to pay others to help in the building of the retaining wall .	6/16/2017 7:19 AM
8	Not personally affected. Only property.	6/15/2017 3:29 PM
9	I have friends that may help me	6/10/2017 7:50 AM
10	The only part of our property that might flood does not include buildings.	6/2/2017 9:42 AM
11	I have some friends who may be able to help.	5/31/2017 9:24 PM
12	The access to our property is on a road that is beside an area that subsided during the 2003 earthquake and we are concerned that the road may flood at some point	5/31/2017 8:40 PM
13	It depends on the situation. My family are all about an hour from me. I have neighbors who are in about the same situation as me but we would help each other as much as possible. If we can't get out emergency vehicles would not be able to get to us. Luckily we are not in a regular flood area.	5/31/2017 8:08 PM
14	We live in an area on Johnson Point that is unlikely to flood. However, in the future, coastal flooding could make the south end of Johnson Point impassable.	5/31/2017 7:26 PM
15	I am a block capt and 2wro for our map your neighborhood plan.	5/31/2017 6:43 PM
16	I keep food and water, in case of emergency.	5/31/2017 6:25 PM
17	My fiance would help assuming he could reach me	5/31/2017 5:05 PM
18	Congregation	5/31/2017 4:57 PM
19	The problem arises when all neighbors are affected.	5/31/2017 3:36 PM
20	Our neighborhood helps each other in floods and storms.	5/22/2017 10:04 PM
21	Staff that work at the facility.	5/20/2017 7:55 PM
22	Most dramatic issues has to do with livestock management to ensure their safety.	5/18/2017 3:09 PM

Q15 15. Think about potential future flood impacts to public or private infrastructure, services, or the environment. What do you believe is the level of risk for each of the following impacts around your neighborhood?



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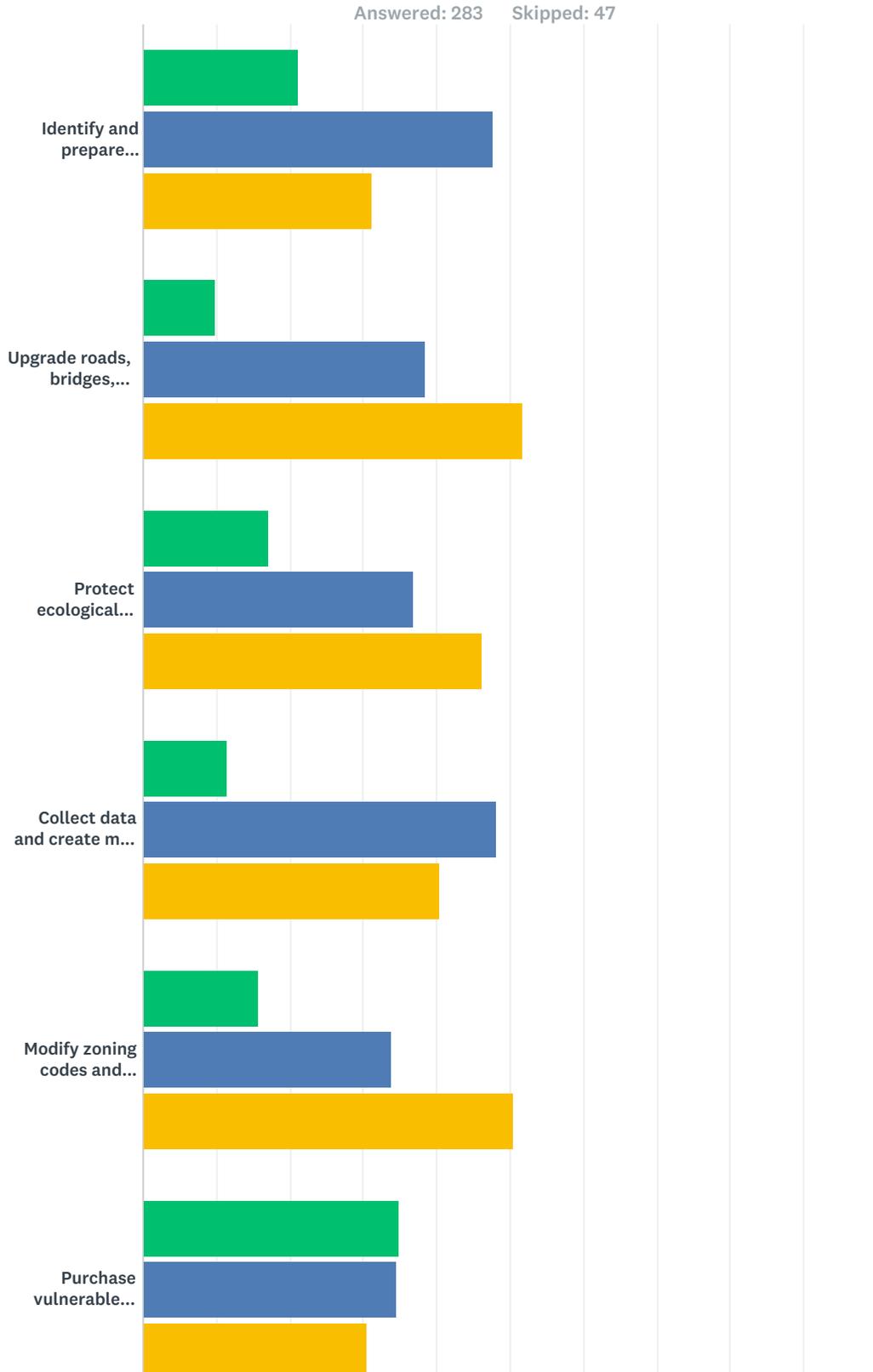
	Low risk	Moderate risk	High risk	Total
Disruption or damage to transportation infrastructure such as roads and bridges	41.03% 119	42.07% 122	16.90% 49	290
Disruption or delays to fire, emergency medical service, or law enforcement response	44.10% 127	39.24% 113	16.67% 48	288
Disruption to schools, hospitals, and other essential facilities	51.93% 148	36.84% 105	11.23% 32	285
Contamination of streams, rivers, wetlands, ponds, and lakes	23.73% 70	43.73% 129	32.54% 96	295
Interruption of or damage to wastewater treatment facilities or septic systems	31.40% 92	41.98% 123	26.62% 78	293
Disruption of the supply and delivery of fuel, food, supplies, and other commodities	46.15% 132	40.91% 117	12.94% 37	286
Impacts to my neighbors' property	51.56% 149	26.99% 78	21.45% 62	289

#	Other (please describe)	Date
1	Houses are flooded. Soon septic systems will fail. Could contaminate the lake. Lots and Lots of \$ damages of docks and any lower buildings. Basements are flooded. Something needs to be done asap.	6/22/2017 10:29 PM
2	Cliff saturation	6/21/2017 10:15 PM
3	While we live in West Olympia off Harrison Avenue where we think flood damage to our property would be only minimal if at all, we have a boat moored at Swan Town Marina. In a bad case scenario, river and coastal flooding could make the 4th/5th Avenue bridges and roads to the marina inaccessible. We would be concerned about our boat, but we don't live on it - there are several people who do and in a bad/worse case scenario, they could have their access to town and emergency services blocked by flooding. I hope they and/or Swan Town Marina are completing this survey with their concerns.	6/21/2017 8:20 PM
4	I am not sure what impacts would be involved as we have never had to be concerned about this in the past.	6/18/2017 5:13 PM
5	Every property owner on lake st Clair has suffered some kind of property loss or damage	6/16/2017 4:22 PM
6	Additional flooding would isolate my immediate neighbors behind a flooded section of road.	6/16/2017 8:15 AM
7	The high water of the lake has caused major damage to property owners, not to mention the value of our homes	6/16/2017 7:19 AM
8	Parts of Lake St. Clair residences access is across a small bridge, that could be impacted by flooding.	6/15/2017 1:41 PM

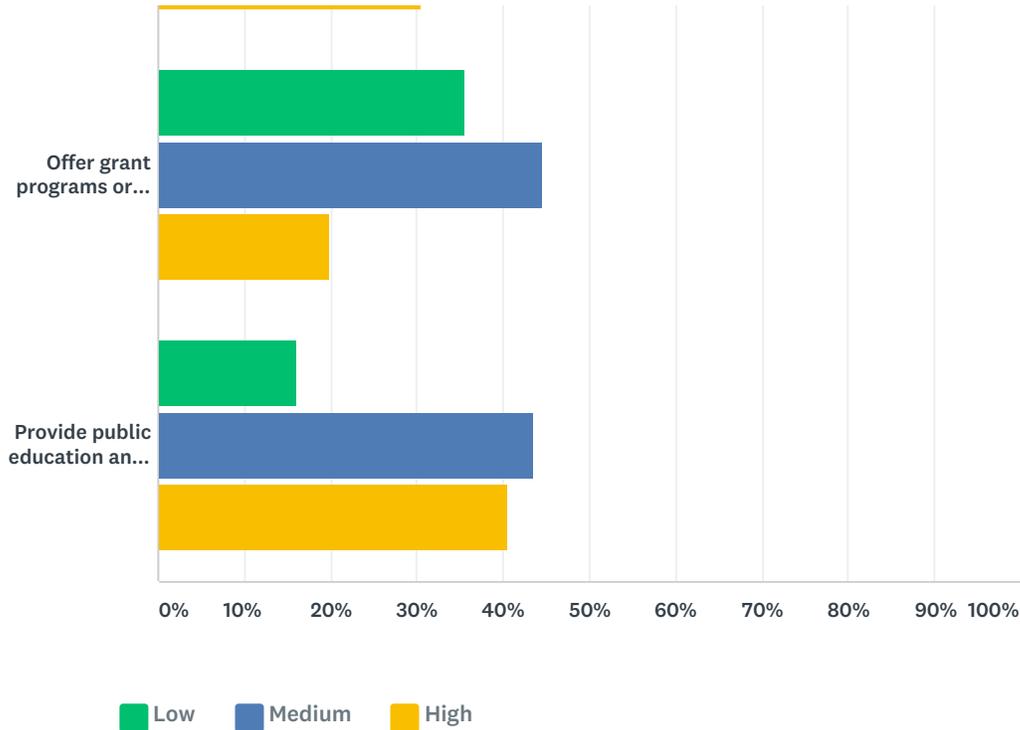
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9	Storm drain (private) on neighbor's property is not working to capacity. Result would be flood of private lane for 3 neighbors south of subject property.	6/1/2017 7:21 AM
10	Again it depends on the situation...we are not in a regular flood area but an earthquake or eruption would make a big difference.	5/31/2017 8:08 PM
11	My answers are related to future impacts from global warming.	5/31/2017 7:26 PM
12	Not sure hoping you can tell me what the risk is for floods to the jubilee retirement community in Lacey	5/31/2017 6:43 PM
13	Chehalis is eroding the bank near my property on 201st off Independence. If it breaks through, 201st may be affected/we might be stranded.	5/26/2017 8:47 PM
14	Moderate to high risk of livestock g	5/22/2017 10:04 PM
15	We have already experienced the impact of high water levels due to rainfall. The only road into and out of our neighborhood was destroyed in the storms of 06-07	5/18/2017 3:09 PM

Q16 16. What types of projects, programs, or services do you think Thurston County should be offering/performing to protect life and reduce property losses from flood hazards? Please rank each option as a high, medium, or low priority.



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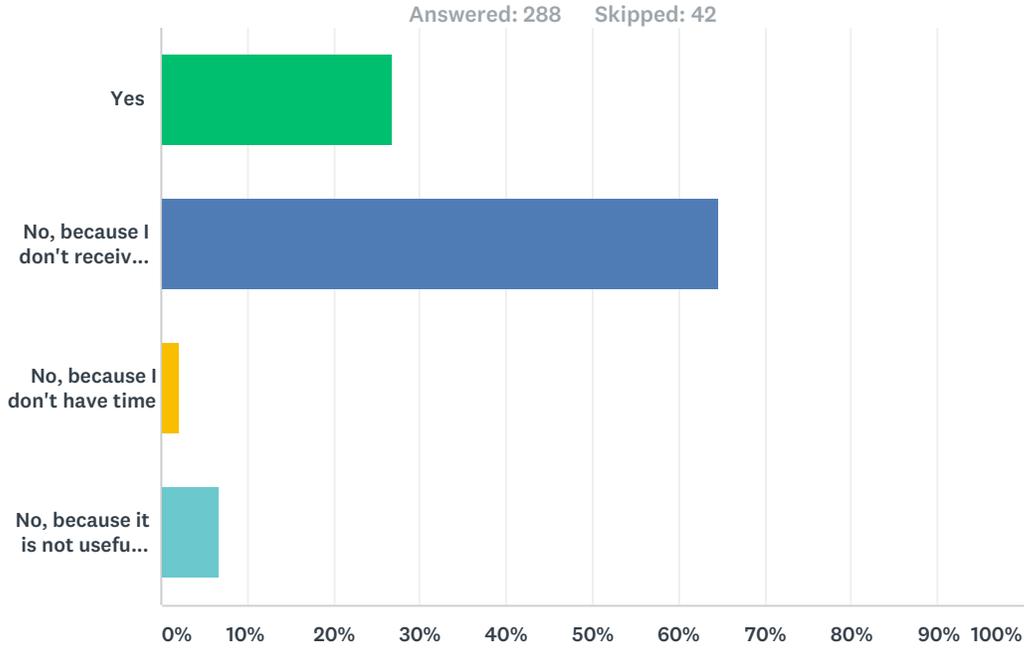
	Low	Medium	High	Total
Identify and prepare suitable locations for emergency shelters for people who are flooded out of their homes	21.09% 58	47.64% 131	31.27% 86	275
Upgrade roads, bridges, culverts, utilities, and stormwater facilities	9.82% 27	38.55% 106	51.64% 142	275
Protect ecological functions of landscapes and waterbodies to minimize impacts of flooding	17.09% 47	36.73% 101	46.18% 127	275
Collect data and create maps for flood hazard areas to increase understanding and help protect against risks	11.55% 32	48.01% 133	40.43% 112	277
Modify zoning codes and development regulations to restrict certain development in flood prone areas	15.69% 43	33.94% 93	50.36% 138	274
Purchase vulnerable properties and keep as open space	34.91% 96	34.55% 95	30.55% 84	275
Offer grant programs or incentives for property owners to elevate homes or protect other structures	35.51% 98	44.57% 123	19.93% 55	276
Provide public education and resources to residents to enhance flood resiliency	16.06% 44	43.43% 119	40.51% 111	274

#	Other (please describe)	Date
1	When the county decides to make changes in infrastructure without notice to those it impacts, then the county should be responsible for implementing corrections for damage they have caused.	6/26/2017 3:08 PM
2	support solar generation on individual homes as a manner to assure some electrical stability within our neighborhoods.	6/21/2017 10:36 PM
3	government cannot and could not help in all situations, people need to take responsibility for self because things could be pretty ugly during an extreme event.	6/21/2017 2:08 PM
4	They all seem reasonable and important.	6/20/2017 6:22 PM
5	Help us at lake St. Clair so the lake has an outlet restored!	6/19/2017 9:11 AM
6	Re-open McAllister Springs pumping station or otherwise provide an outlet for Lake St. Claire.	6/19/2017 8:35 AM

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7	Immediate measures needs to be taken to reduce the level of Lk St Clair.	6/18/2017 5:15 PM
8	Please provide emergency flood relief to Lake St. Clair by de-watering the lake.	6/16/2017 8:22 AM
9	Find a way to lower Lake St. Clair.	6/15/2017 4:27 PM
10	Lower permit cost for bulkheads	6/15/2017 2:38 PM
11	It would be a great incentive to offer some sort of swag bag, item, etc. to folks for volunteering to keep storm drains clear, paint info about dumping anything down storm drains, etc. Any sort of small item as a gift makes folks feel appreciated. Just an incentive- I know it works for me!	6/3/2017 12:03 PM
12	Encourage other local governments to inspect and regulate private storm water drains.	6/1/2017 7:24 AM
13	Farmland in high risk locations should be left alone but the home and outbuildings could be elevated. No building permits for dense housing developments allowed in high risk areas Cleaning and clearing plant life from streams and rivers and planting of native trees and bushes to maintain the depth of the streambeds and prevent erosion on the banks.	5/31/2017 8:17 PM
14	The problem in our area is the tribe does not have to abide by county or state building codes. How do you fix that issue?	5/31/2017 3:13 PM
15	Require permeable parking lots on floodplains and nearby areas.	5/26/2017 8:49 PM
16	Dredge Capitol Lake to improve ability to manage Deschutes River Flood Stage storage during short periods of high King Tides to reduce risk of flooding downtown Olympia	5/21/2017 10:23 AM
17	Adopt zoning codes that require all property owners where a flood mitigation project has been constructed be required to grant access for maintenance activities	5/15/2017 4:28 PM

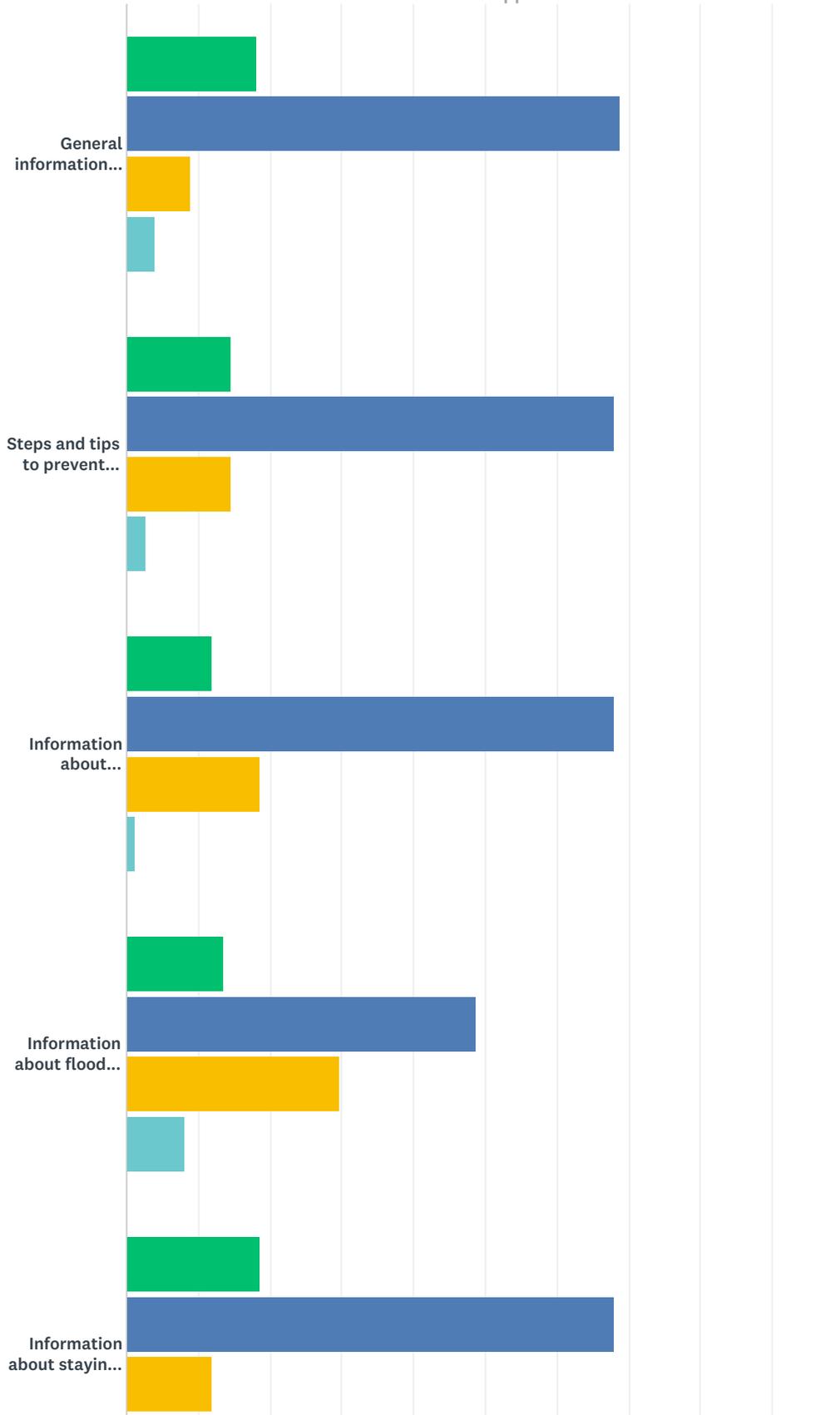
Q17 17. Do you read the Thurston County Flood Bulletin?



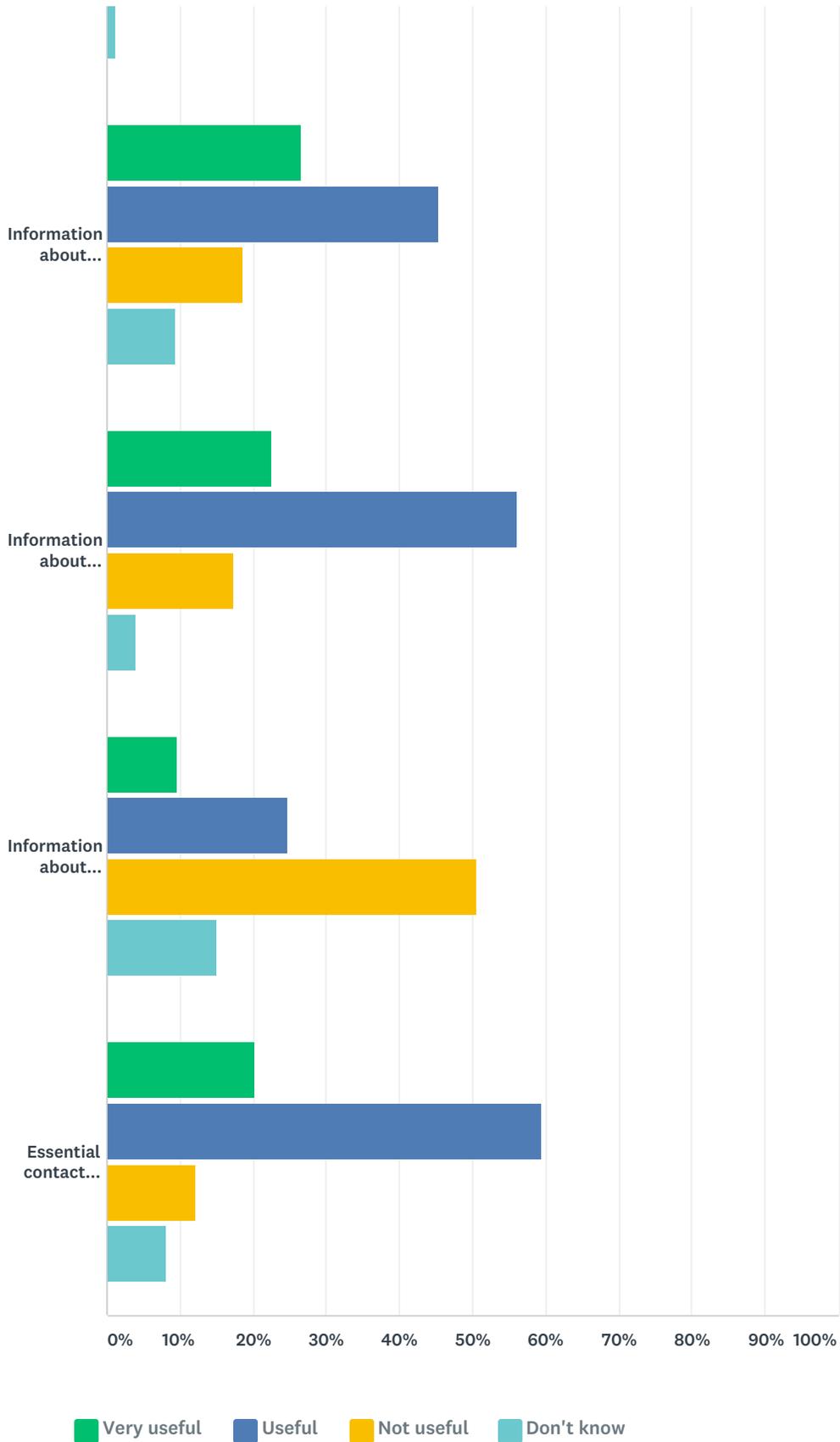
Answer Choices	Responses
Yes	26.74% 77
No, because I don't receive it	64.58% 186
No, because I don't have time	2.08% 6
No, because it is not useful to me	6.60% 19
TOTAL	288

Q18 18. How useful is the Flood Bulletin to your household or business?

Answered: 77 Skipped: 253



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	Very useful	Useful	Not useful	Don't know	Total
General information about flood plains and the types of flooding	18.18%	68.83%	9.09%	3.90%	77
	14	53	7	3	

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Steps and tips to prevent flooding and protect property	14.67% 11	68.00% 51	14.67% 11	2.67% 2	75
Information about understanding your flood risks	12.00% 9	68.00% 51	18.67% 14	1.33% 1	75
Information about flood insurance	13.51% 10	48.65% 36	29.73% 22	8.11% 6	74
Information about staying informed about flooding	18.67% 14	68.00% 51	12.00% 9	1.33% 1	75
Information about subscribing to "AlertSense," the county's emergency alert and notification system	26.67% 20	45.33% 34	18.67% 14	9.33% 7	75
Information about preparedness, planning, necessary supplies, and responding to floods	22.67% 17	56.00% 42	17.33% 13	4.00% 3	75
Information about evacuating farm animals	9.59% 7	24.66% 18	50.68% 37	15.07% 11	73
Essential contact information	20.27% 15	59.46% 44	12.16% 9	8.11% 6	74

Q19 19. What else would you like to share about flood hazards in Thurston County?

Answered: 98 Skipped: 232

#	Responses	Date
1	FEMA map is incorrect	6/29/2017 1:38 PM
2	I'm a Lake St. Clair resident. Our bulkhead is flooded every year and it will eventually collapse. Neighbor's property is lower and sustains damage.	6/29/2017 1:19 PM
3	Thurston County needs to take measures "NOW" to undo what the State, County, & City of Olympia has done to affect the rise in water levels on Lake St Clair. Need to provide an outlet that was closed with the installation of Hwy 510, reduce the flow of water into the creek that flows into Lake St Clair, and encourage Lake St Clair Property owners to pump water out of the lake for watering lawns/gardens.	6/29/2017 11:05 AM
4	Let Lacey and Olympia Hughes Our Lake water from the aquifer so the lake will drain like normal. No no water Tuesdays that makes no sense when we have too much water at Lake st.clair it's higher than I've ever seen it in 10 years it's never come even halfway up my bulkhead the first six years I was here. Now it's one and a half feet over the top of the bulkhead that's about five feet higher they changed the way the water exited the lake and it's affected all of us.	6/28/2017 10:31 PM
5	I believe all of the criteria listed of the highest priority. I think articulate communication about level of risk and associated solutions is pivotal to a successful transitioning of infrastructure. Preparedness increases the level of resilience and confidence in a future of change.	6/28/2017 6:05 PM
6	Loss of land from high waters of Lake St Claire and the county raising property taxes.	6/27/2017 9:51 PM
7	Lake St. Clair water levels are at an all time high. The water levels have impacted properties and people. The lake can't be utilized as it once was. We don't have beaches that we once did. The area under the bridge had to be dredged years ago. The pendulum has completely swung. Now certain water crafts can't even get under the bridge due to the water height.	6/27/2017 9:06 PM
8	Lowering property taxes for land not useable as is underwater due to county's actions, but raising structural taxes when can't use all property involved is ridiculous. Our home is not worth what it was when purchased as losing land. Our flooding problems are the result of county's actions and should be remedied by them. Instead we are told must have numerous studies and is extremely expensive so not likely to be done. Yet, no studies were performed before they took this action to see how affective homeowners on Lake St. Claire.	6/26/2017 3:17 PM
9	Farmers and residents living along the river shorelines of the Deschutes River need information on how to avoid shore bank erosion. These residents need advice and shared-cost support programs to plant trees and shrubs along the riparian shore bank to cut back on erosion and bank failure. Livestock setbacks on the river banks are needed. Natural off-channel areas need to be enhanced to reduce heavy flows during rain events. Thurston County residents need information so that they can responsibly clean out their septic tanks on a regular basis. The many land owners with private unmetered wells need information on the importance of water conservation. Such land owners may not know how critical groundwater is to recharging cold steam flow within the warming Deschutes River watershed.	6/25/2017 7:58 PM
10	Flooding happens. When we permit people to build in flood-prone areas, we make the situation worse by creating a "moral hazard".	6/24/2017 8:38 PM
11	My flood insurance rates have increase. Substantially over the past 12 years, so I was only slightly aware of the supposed 40% reduction we have in this county	6/24/2017 6:24 AM
12	This is an emergency. something needs to be done asap. Lots of time for permits that we don't have. In emergencies sometime long studies cant take place. This should be treated as though. Find quick solution to lower the lake level asap.	6/22/2017 10:32 PM
13	urban flooding appears to often be affected by blocked stormwater drains, causing localized flooding at intersections that otherwise would not flood. Deputizing storm drain rangers (and recognizing their voluntary contributions) to keep those drains open could be a low-cost option to consider.	6/22/2017 10:11 AM

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14	I believe it is inappropriate to offer flood insurance rate discounts for properties located in a flood plain. It almost seems that if there is a rate discount, you may make living in a flood plain more feasible rather than discouraging it. It seems like we should be focusing on how to move away from flood prone areas (even if there is only a 1% chance of flooding any given year), rather than offering assistance for those who CHOOSE to live there.	6/22/2017 9:50 AM
15	While we have not experienced any flood damage, we were mindful of how rain water collects on some of the streets. At our home, we changed the asphalt roadway/entrance to our garage to a brick lay-out, so that no water would collect in the driveway to our garage.	6/22/2017 8:45 AM
16	Round boats are useless and illogical for usage in flooded regions.	6/21/2017 10:37 PM
17	home location in section north and east of Henderson. I did not see a name.	6/21/2017 10:24 PM
18	Thanks for asking.	6/21/2017 8:23 PM
19	People should not be allowed to build on flood prone land and if they do, no person and no government should bail them out. I have lived in Thurston County my whole life and have seen so many people subdivide and build on wet land. It is ridiculous that that anyone is allowed to do that.	6/21/2017 5:25 PM
20	I live on a property that does not flood. However I am concerned about flooding of the Deschutes River as well as several creeks in the area including Johnston Creek. I have these significantly flooded in the past. I am concerned about the new proposal to build a 51 unit wind farm on over 19,000 acres in the area. Clear cutting even sections of this land raises the issue of increased flooding and runoff into the Skookumchuck Reservoir, Baumgard Creek, Bloody Run, Fall Creek, Hospital Creek, Hull Creek, Johnston Creek and Pipeline Creek. How is the County planning to handle this?	6/21/2017 3:28 PM
21	Like the ant and grasshopper, you should prepare now when things are good, the time might or will come when it is too late to prepare. Keep enough food, fuel and other necessities on hand all the time.....	6/21/2017 2:12 PM
22	Since we are not in a flood area of Olympia (but conceivably our house could be some day), at this point I simply want express appreciation to Thurston County for conducting this survey.	6/21/2017 1:58 PM
23	The high water on Lake St. Clair is destroying our property's shoreline. We've already lost about 2 feet.	6/20/2017 3:43 PM
24	WE NEED HELP AT LAKE ST. CLAIR-OUR LAKE KEEPS RISING AND OUR WATERFRONTS ARE ERODING. PIECES OF LAND ARE BREAKING OFF AND FLOATING AROUND THE LAKE RANDOMLY. PLEASE HELP US SPECIFICALLY!	6/19/2017 9:13 AM
25	Hoping the county can complete studies and initiate plans that will help reduce flooding from lake st clair	6/18/2017 10:45 PM
26	Residents of Lk St Clair need to have the level of this lake become an immediate concern and make sure we do not have this issue again.	6/18/2017 5:16 PM
27	Boats that make waves that destroy property MUST be banned. The Fun for a few does not equal the damage it does to the many. We paid high prices for water front land. High water and boat wake take away the value of my property. Proper drainage of Lake St. Clair should be paramount. Control of water level is important to the wild life and residence. We have quality water management staff who need a budget to manage the water level. PLEASE PROTECT THE VALUE OF OUR PROPERTY. Don't let high water and boat that produce wake destroy our property. Thank you for asking.	6/18/2017 1:36 PM
28	Lake st clair has never been so elevated with flood water since the change of Mccalister springs water pumping was changed by city of Olympia. We need attention from county to prevent additional damage to our properties. Help us please	6/18/2017 8:08 AM
29	Flooding on Lake St. Clair is unique to Thurston County. While most of my neighbors are affected far more than I am, we all are needing to make adjustments to the new situation on the lake. Is this new higher water level permanent? Will it recede to what we consider to be normal levels? Do we all need to raise our bulkheads? Clearly more studies need to be done. If you look at maps of the lake from the 1930's, before Hwy 510 was built, you can see the lake extended further north, across Hwy 510. When the road was built that kettle was cut off and it dried up. If you look at modern satellite imagery you can clearly see that kettle, it currently is partially filled with shallow water. As we know, the lake does not have a natural outflow. Building a culvert that could be opened and closed would allow for a temporary water release to mitigate some of the high water.	6/17/2017 8:52 AM

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30	Lake Sait Clair water level is raising at an alarming rate. Storm water and Eaton Creek can not continue to fill the lake at a rate faster than the aquifer can draw the lake down. Properties are flooding and homes are getting ruined due to the water level. We need help from the government to fix this issue.	6/16/2017 10:31 PM
31	We don't have years to develop a solution for Lake St. Clair flooding. Something must be done now. People have lost land and water has infiltrated homes. We cannot sell our properties with the high water levels. Erosion of our shoreline is increasing every year. If the water level continues to rise at the rate it did this past year, we may have only 2 years until the water is in our home.	6/16/2017 9:50 PM
32	Lake st Clair residents are slowly losing land and homes. I personally believe the city of Olympia could save us by pumping more water from the new well fields.	6/16/2017 4:26 PM
33	we need to open up outlets on Lake St Claire. Lots of water in and nothing going out	6/16/2017 11:26 AM
34	I would like to see the county take an active role in the lowering of the water in Lake Saint Clair.	6/16/2017 10:14 AM
35	WE are experiencing flooding. NOW. Have been FOR MONTHS. Our homes are damaged and being increasingly damaged. NOW. Today. This minute.	6/16/2017 8:24 AM
36	We have had lots of meetings and nothing positive has come from any of them. We would like to have some possible solutions to a very serious problems.	6/16/2017 7:27 AM
37	I'm very concerned with the water level of Lake St Clair.	6/15/2017 7:52 PM
38	Help lower Lake St. Clair. Lower property taxes WITHOUT raising out home values.	6/15/2017 4:29 PM
39	Open up McAllister springs so our water level on lake st Clair drops to normal	6/15/2017 4:25 PM
40	Figure out a system to divert water from Lake St Clair.	6/15/2017 3:58 PM
41	Your letter referred to reducing flood hazards? What are you doing to reduce flood hazaed's on Lake St Clair? This winter my yard is covered with water and totally destroyed. All landscaping is gone and plants are sitting in water dead, along with a tree that has died. I have fish and frogs in the front and side yard. My dock broke lose and is tied up to a tree with a rope. The water is under my deck and very close to flooding the house. I can not use the dock or get to the dock from my land. My property taxes have gone down and my home has been asset at \$53,000 more than the last assessment. This is very interesting I talked with a realtor and I can not even sale my home! This is nothing but a political move by the Thurston County for more money. I think the only thing that can help me is a civil suit against Thurston County. You issued the building permits and it is your resonsibility to take care of the residents at Lake St. Clair.	6/15/2017 3:56 PM
42	Why are property taxes climbing with unusable property?	6/15/2017 3:50 PM
43	My wife has been coming to Lake St. Clair since the late 1940's and I have been coming since the late 1960's. We have never experienced lake levels like the last 4 to 5 years and each year of those the lake gets higher. It seems to be too much of a coincidence that County and City work on the McAllister wellhead has coincided with those rising lake levels. These Governments should be trying to find out why the lake has responded, contrary to the studies that they relied upon to justify the new intake location.	6/15/2017 3:13 PM
44	I feel the county is responsible for the flooding we are seeing on lake saint clair and they keep B.S. us on why our lake keeps flooding. I personally feel that our property taxes are being manipulated by the county to meet thier goals.	6/15/2017 2:47 PM
45	Because of bungled planning for the McCallister well field the property values on Lk St Claire have been negatively impacted. That's just not right.	6/15/2017 2:43 PM
46	A comprehensive review of the switch by the City of Olympia water supply from MaCallister Springs to the well system currently in use. This should be done by a third party not connected to any government agency, the Nisqually Tribe or any other group with an outside interest in the water levels on Lake Saint Clair.	6/15/2017 2:40 PM
47	Concern about the rising water on Lake StClair. Possibly putting in a culvert to keep the lake from getting any higher and maintain a level. It came to an all time height this winter and did do damage to certain properties. Time to prevent any further problems or damage.	6/15/2017 2:10 PM
48	Would like see the relaxation of building codes to allow for building a bulkhead in front of the property.	6/15/2017 1:44 PM

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49	Focus has been on streams/rivers. Lake St. Clair is unique and not addressed in prior flood planning. There have been many studies and reports to date on this lake flooding issue with little or no county response to date.	6/15/2017 1:44 PM
50	The situation on Lake St. Clair is unique. Our lake level has been steadily increasing since 2008. The water level rise is at least partially the result of the City of Olympia relocating the source of their drinking water to the McAllister wellfield from the old McAllister Springs property. In doing so, they attained a water right up in the Eaton Creek drainage to increase the water flow into our basin which has no outlet. The city is not slated to pull the full water right's worth of water out of the ground via the wellfield for approx. 70 years. The mitigation that was required for them to attain that water right of 26 million gallons/day was the acquisition and retirement of the small water right in the Eaton Creek drainage. They executed that water right transfer 70 years too soon and as a result we have had at minimum, 1.5" of additional water rise in our basin annually for the last 11 years, amounting to a minimum lake level increase of 16.5". The result is that our lake is now flooded.	6/15/2017 10:51 AM
51	Thank you for fixing the area on Tilley Rd that used to constantly flood.	6/10/2017 5:18 PM
52	Nothing at this time. Thank you!!	6/10/2017 1:45 PM
53	More people need to be aware of the hazards for the future	6/10/2017 7:52 AM
54	n/a	6/7/2017 9:08 AM
55	DES has done a good job of utilizing the Capital Lake Tidal gate to minimize Deschutes River flooding. Capital Lake and the Dam should remain in place for flood control.	6/5/2017 12:03 PM
56	My property has not been affected by floods since we moved here in 2006 so I'm not overly concerned with anything flood related.	6/4/2017 9:18 PM
57	We have been dealing with groundwater flooding for a long time on our property. I strongly disagree with property on side and behind us getting permitted to build the new tumwater readiness center/armory behind us and future industrial buildings beside us. I believe it will cause significant damage to our property shifting all groundwater in our direction. The property is know wetland area & its all a case of government & big business getting free passes. Its all about money with the city of tumwater. They dont care about impact to homeowners.	6/2/2017 6:27 PM
58	Get your maps up to date and change so that they reflect reality. Don't classify properties that don't flood as being in a flood zone --- establish a mechanism to that property owners can get their properties out of the flood plain area.	6/2/2017 4:13 PM
59	I am frequently receiving emergency flood alerts on my mobile phone over the same band that delivers amber alerts. These come frequently and don't seem to correlate with any actual threats. I'm not sure where I can check to see if there are any threats and to which flood plain or if the messages are sent in error.	6/1/2017 11:08 PM
60	I think persons who purchase land/houses near rivers and flood prone areas should bear the costs of mitigating those impacts. And anybody who sells a home/land that has flooding risks/experience should be required to disclose that information to a purchaser. However I do support efforts to upgrade infrastructure to be able to handle flood conditions - extreme rainfall, etc.	6/1/2017 2:59 PM
61	My understanding is that cutting down our local forests and trees to increase housing is creating more runoff and making flooding more possible. Not a good idea.	6/1/2017 10:22 AM
62	Please limit growth in flood prone areas Please limit growth in general so that thurston county is not totally paved over There are already too many subdivisions There is too much degradation, deforested areas in the city and county which will result in soil erosion, flooding, and polluted streams, etc.	6/1/2017 10:15 AM
63	Nothing. New to Thurston County, so no experience with flood hazards.	6/1/2017 7:44 AM
64	keep up the good work. Great use of my Stormwater fees	6/1/2017 7:41 AM
65	Thank you for the survey and for continuing this vital service to residents.	6/1/2017 7:27 AM

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66	My home is not in a flood area, but flooded because the city allowed a new housing area to be clearcut, paved and their waste water to be run into my neighborhoods water runoff. It was too much for the pipes to handle and a stormdrain was blocked. I think the city needs to not allow the clearcutting and paving of the natural way the water runs to the bay. And they need to make sure city storm drains are clear. They should also take responsibility for their actions that cause damage to peoples homes.	6/1/2017 7:14 AM
67	Developments/homes should not be built in flood plains. Sea level rise should be planned for. That Will absolutely be happening.	6/1/2017 6:39 AM
68	The biggest way I've been affected by flooding was when the Valley Athletic Club closes and we can't participate in activities there.	5/31/2017 10:00 PM
69	Not sure.	5/31/2017 9:51 PM
70	I know there are areas that flood EVERY year and still people want to build homes there. Do they think it will somehow just stop flooding? Some flooding is good for farms and forests but if people want to farm there they should be responsible for elevating their homes and keeping their animals safe. It should not be the responsibility of the county to make the flooding stop or to prevent damage from something that is a normal occurrence. On the other hand the county should not let environmentalists dictate what can or cannot be done to keep the rivers and streams running deep and clear. Maintaining the health of the streams on peoples property should be their responsibility and they should be allowed to deepen and maintain good plantings on the banks.	5/31/2017 8:28 PM
71	People who live in flood prone areas should expect problems at times, and should not rely on others to pay for damages.	5/31/2017 6:56 PM
72	I am not near waterfront, so I worry less about tides and streams rising. But with all our hills and culverts and bridges, and often only one route to take between here and there, I do worry about the effect on those roads and bridges from saturated ground under them. I saw what the 2001 earthquake did to 101 at Hy 8, because of seepage. There must be equally vulnerable places that are as yet undiscovered.	5/31/2017 5:50 PM
73	Road closures warnings would be important	5/31/2017 5:07 PM
74	I never heard of any of this before. If it wasn't for a bulletin on a neighborhood site, I would have never known about the survey or your organization, period.	5/31/2017 4:51 PM
75	Please advise FEMA on what areas are actual flood risks in Thurston County. Their latest remapping process feels like a money grab.	5/31/2017 4:25 PM
76	I've experienced first hand major flooding while living in Texas. The Memorial Weekend Flood in Wimberley, TX. We actually lived along the Blanco River where hundreds of homes were swept away and a few families sadly were too. I've been in flash flooding from Houston to Dallas and it is very very scary. Now back home in WA, we live close to the Deschutes River but not on it. Flooding is a MAJOR concern for us.	5/31/2017 4:19 PM
77	I've only been in this area for 1.5 years, so it's quite possible that I'm just blissfully ignorant. I've seen areas flooding in the spring, and it seems that the city was prepared for those areas to accumulate water. Are there things about flooding that I should know and don't?	5/31/2017 3:48 PM
78	We are on 4002 Morton Ct SE, Olympia My neighbor across the street tore out the grass and put bark in the strip of grass b/w the street and sidewalk. It has flooded during hard rains every since then b/c the bark clogs the drain pipe. Can you guys tell them they have to go back to grass? Or if this is not the case - why is our street flooding so severely? (Like 3 feet deep!)	5/31/2017 3:36 PM
79	Thurston Co. needs to tell Lewis Co. to stop filling in the Chehalis River flood plain. Thurston Co. needs to adopt an official position opposing any altering of the Chehalis River. Thurston Co. needs to make it clear that we will not support flood control dams on the Chehalis River. Thurston Co. needs to inform Lewis Co. that unless Lewis Co. stops permitting the filing of flood plain lands Thurston Co. will bring legal action to protect it's citizens living downriver from Lewis County.	5/31/2017 3:29 PM
80	Nothing to add; appreciate the chance to provide input.	5/31/2017 3:28 PM
81	Certain rivers seem to flood every year. Homes on those rivers in the flood plane should be on taller hills or elevated on poles.	5/31/2017 3:28 PM
82	I appreciate that the county is working to mitigate flooding and to educate residents about their hazards and how to manage them.	5/31/2017 3:19 PM

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83	I'm glad restrictions on building in the floodplain are in place. We do need to protect floodplains and continue to make it possible to use them for agriculture, especially produce, less so for livestock.	5/26/2017 8:51 PM
84	If there are any maps regarding flooding due to tsunami and/or shelters that families can go to in emergencies -- could you please email them to me: melanie.a.kincaid@gmail.com. I have not heard of any disaster preparedness teams (volunteers who are trained in case of emergency to help neighbors) in Thurston County like they have in Portland (they provide training to local citizens to be able to respond effectively). If there is something like this that exists -- I would love to volunteer to be a part of a team! Please email me -- Thanks!	5/23/2017 9:39 PM
85	The level of Capitol Lake should continue to be managed by DES to mitigate potential downtown Olympia flooding during times of storm events (high Deschutes River flows) and high tides. This is a key reason for maintaining and improving Capitol Lake. Removing the dam would eliminate this benefit, and as rising sea levels due to global warming cause higher tide waters, the problems will only increase in the future.	5/21/2017 11:00 PM
86	I think the Tide Lock for Capitol Lake should remain in place as it is a deterrent to flooding in downtown Olympia and helps mitigate Sea level rise.	5/21/2017 7:24 PM
87	Without the tide lock the downtown community will experience costly flooding, frequently annually...	5/21/2017 4:08 PM
88	I think it is important for home owners to maintain the ditches and drainage around their home. The neighbor above me has a driveway drainage issue and a significant amount of rain water floods in front of my front door in my driveway. If the neighbor would maintain his driveway and roadside ditches it would direct this water where it is supposed to go. Educating people about the importance of maintaining their rain/water run off is imperative so things like this doesn't happen. Do you know where the water drains off your property? Is your water run off affecting your neighbor?	5/21/2017 3:45 PM
89	Downtown Olympia seems quite vulnerable due to sea rise from global warming. Keeping the 5th Avenue dam would help reduce the chances of catastrophic flooding in Downtown while more definitive measures are undertaken.	5/21/2017 2:18 PM
90	Given sea level rise and the decreased capacity of Capitol lake, the mixture of winter king tides and heavy runoff on the Deschutes increases potential for downtown flooding the transportation disruption. Therefor, dredging of the lake should be a high priority. Also, Budd Inlet shoreline is very vulnerable if the 5th ave. dam were removed and sediment reduced depth.	5/21/2017 1:07 PM
91	I think the greatest lack of understanding by the public is that Capitol Lake is a significant flood protection tool for Downtown Olympia that the State uses to manage High Flood Stage in the Deschutes River when the two hours of King Tidge coincide with the Flood Stage. Dredging Capitol Lake will provide a critical extra short term storage capacity to reduce King Tide damage and Sea Water Rise impacts on the Downtown Olympia Business District.	5/21/2017 10:26 AM
92	The State needs to dredge Capitol Lake which has not been done since 1986, and needs to continue to use the 5th Avenue tidelock to control water levels and prevent flooding of the North Capitol Campus and downtown Olympia.	5/21/2017 8:00 AM
93	flood insurance is expensive same with earth quake deductibles are to high	5/19/2017 6:59 PM
94	I think accurate info & mapping for areas at risk for flooding is very important. This can assist zoning decisions to be made carefully & can assist home buyers to properly evaluate potential future risks. Areas of high ground water should definitely be included in this data base.	5/19/2017 10:21 AM
95	Are there other "hazard" publications beyond flood specific issues produced by Thurston County? This is the first I've seen in the three years as a resident/ property owner in unincorporated Thurston.	5/17/2017 9:32 PM
96	The reduction in insurance premiums resulting from having a CRS rating and flood plan sounds nice but in effect it could be looked at as encouragement to continue with the status quo of building, living, and working in floodplains. It should be prohibitively more expensive to do those activities in a floodplain compared to outside a floodplain due to the costs incurred community wide when flooding happens. That would help to discourage this bad idea of placing investments, people, structures, etc, in areas that flood. Possibly consider a special tax or fee on properties that are located within floodplains as a way to fund buyouts or other flood control/prevention/mitigation projects. Everyone pays a stormwater fee, why not have the floodplain properties pay a floodplain fee?	5/17/2017 4:05 PM

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97	Fix the roads!!!!	5/16/2017 8:50 AM
98	Do not build a dam on the Chehalis River but enhance tributare flood storage. This can achieve the same reduction in flooding without harming WAs last unlisted Chinook run.	5/15/2017 9:11 PM