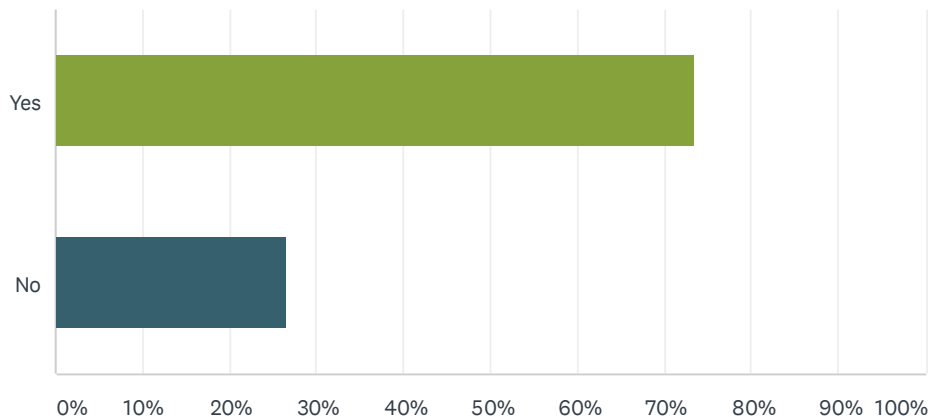


Q1 Do you feel there is a flooding problem in the Ski Hill basin?

Answered: 75 Skipped: 1



ANSWER CHOICES	RESPONSES	
Yes	73.33%	55
No	26.67%	20
TOTAL		75

Does the Ski Hill basin have a flooding problem?

Q2 If so, where do you feel the majority of flooding problems occur?
Please describe your concerns and experiences.

Answered: 56 Skipped: 20

Does the Ski Hill basin have a flooding problem?

#	RESPONSES	DATE
1	I live on Ranger and we experience following across Ranger annually.	2/27/2021 9:57 PM
2	Seasonal rain events in the spring on the snow pack is usually what it takes to cause these events	2/26/2021 5:01 PM
3	Mainly along the DeTillian road and accompanying ditches	2/26/2021 4:44 PM
4	Runoff from Ski Hill and wetland areas at the bottom of ski hill near Pine St.	2/26/2021 3:06 PM
5	It seems that the flooding is partly due to not maintaining culverts and ditches. It also appears the most threatened area is the orchard just below the ski hill, but that would be the case even if there were no road or other development. It appears that channelizing the run off has made flooding worse.	2/25/2021 11:27 AM
6	The flooding problems occur and originate on National Forest Service land and should be the responsibility of the National Forest Service and Chelan County government to contain the runoff in adequate ditching along both Titus Rd and Ski Hill Dr to storm water drainages leading to the Wenatchee River. In my opinion the runoff should not continue to be routed through private property for private property owners to combat.	2/24/2021 10:49 AM
7	In areas where water runoff is poorly planned for, for example we bought a house at 10459 Titus. The first winter we had a rapid thaw and our entire crawl space was filled. Come to find out the builder and the city and engineer redid the original engineerin plan for water runoff because the condo associaiton didnt like the water running into the bi holding tank located beneath the condo's. Now we have extensive issues from water running off the hill and pts and orchards that surrounds us and we are the lowest point. There are no city or county plans to correct the water runoff issues at this point.	2/20/2021 4:36 PM
8	West of Ski Hill Road and along Pine Street. Primary concern is increased housing development north of Pine Street that is and will continue to add more impervious surface and potentially worsen flooding lower in the basin. Other concerns include degraded water quality in Chumstick Creek and the Wenatchee River near outfalls of the basin's drainage system, ongoing loss of wetland functions in the basin, and the potential for solutions for flooding problems during peak flow to reduce water storage and availability during drier times of the year.	2/19/2021 4:47 PM
9	Right down the middle. Also, one of the holding ponds floods and a neighbor put a rain gutter to channel which makes it worse. East side of wheat field.	2/16/2021 12:31 AM
10	Titus road and cascade soccer fields run off over the road, water settles on the field and not enough drainage.	2/14/2021 7:16 PM
11	Top of Ski Hill, around Detillion and at the bottom of Ski Hill in the residential area around Pinegrass and Pine Streets	2/14/2021 6:18 PM
12	Along Titus Road, and the connecting roads.	2/12/2021 3:57 PM
13	It appears that the majority of the flooding happens as you get towards Pine Street. I have seen standing water in those folks' yards for many years. That water certainly needs to be diverted to perhaps a holding pond before it gets to Pine Street.	2/12/2021 9:48 AM
14	Definitely noticed inches of water on the surface in the area of Pine St and Ski Hill. Also in the front yards of newer houses on Pine Street - before development, they were mud holes. All lthat new pavement (roads , sidewalks, parking areas) doesn't allow the water to sink in they way it used to before that. Wasn't that area a wetland?? No wonder it is flooding now.	2/11/2021 3:44 PM
15	Starts from the Ski Hill and goes through the orchard then through private homes	2/11/2021 9:58 AM
16	Starts from the Ski Hill and goes through the orchard then through private homes	2/11/2021 9:58 AM
17	I manage an adult family home on the corner of Detillion Rd and Titus. We have seen first hand how the runoff has flowed over the street, filled the ditch to overflowing due to undersized culverts, and rushes down the hill between houses.	2/10/2021 11:17 AM
18	North Titus Rd	2/10/2021 9:57 AM
19	Stated very bluntly.... I have long looked at the building going on down stream from the Ski Hill and asked myself, 'Why would anybody build there?' because it is an obvious flood danger	2/6/2021 2:23 PM

Does the Ski Hill basin have a flooding problem?

area. Looking at the problem from an administrative point of view I would stop all new construction for which permits have been issued but no construction has started, and not issue any more construction permits until there is a flood mitigation plan. AND, any flood mitigation plan must include runoff from Tumwater Mountain from the entry into Tumwater Canyon to and including the whole of the Ski Hill Basin. AND, any flood mitigation plan for the area must consider not only sudden snow melt on frozen ground as in a 'January Thaw' but also the potential of a concentrated summer thunder shower that could put several inches of water into the Ski Hill basin and/or onto the east face of Tumwater Mountain. It is my opinion that IF there is to be flood control construction in the noted area North and West of Leavenworth it must be designed for a minimum of a three inch thunder shower dump in the Ski Hill basin which could put as much as 40 acre feet of water on the ground in an hour or less. My personal flood experience: *Columbia River and tributaries, including the Wenatchee River in 1948. *White River October 1949 flood (There are no records of this flood because it only affected the White River Valley and was absorbed by Lake Wenatchee as a mild level rise.) *Thunder Shower Flood in Summer of 1957 from #2 Canyon and more. *Many fall and spring floods in the Wenatchee River Valley *The 1970 flood of the Yukon River at Galena, AK. Flooding of the Missouri River west of the Fort Peck Dam and Reservoir *The June 1972 flood in East Wenatchee, several lesser floods in the same area. *And others that were not that memorable but still very messy. Thank you for the opportunity to comment; Paul K. Gray 545 N. Larch Avenue East Wenatchee, WA 98802-5047 Property owner: On South Wenatchee Avenue; East Wenatchee east of Kentucky Avenue; On Brown Road at Lake Wenatchee; And between the 3 and 4 mile markers on the White River Road.

20	An endemic issue with SW in the Leavenworth area is the omission of the actual contributors to flooding. Having policies that ignore the impacts of snow accumulation followed by warmer rains creates a misrepresentation of water volumes. The impact of melting snow, especially as warm rains come following snow events, must be included in volume calculations within the county. As more impervious surfaces cover land, preventing the water infiltration, the greater the volume of SW flow accumulation.	2/6/2021 10:39 AM
21	First, there is an issue but it has been there for over 60 years with flooded orchards and the horse pastures in the middle of the Ski Hill/Titus road loop. The main issue is that the current 'conveyance system' is too small for the amount of water if you want to keep it in the conveyance system and off the old orchard/pasture land which is now houses. So the less expensive and affordable answer is to keep those channels, ditches and culverts cleaned out routinely in the winter and spring. That means the County needs to maintain and clean them all; in the past they have not even touched the channels and many of the culverts and ditches. The other practicable option is to enlarge the channels, ditches and culverts. Either of those two options is reasonably efficient and moderately affordable.	2/4/2021 3:04 PM
22	My only direct experience is when the water flows over Detillion	2/3/2021 10:45 AM
23	Down thru the orchard across the road from the ski area, and then the homes below. We live on Detillion, and have had to sandbag yet still had major amounts of water running through the yard, and major mud down the driveway. Was very worrisome.	2/3/2021 7:06 AM
24	We built a home on Titus RD a few years ago. We excavated an underground retention pond as dictated, and approved, by the City of Leavenworth. We inserted a drainage pipe in the drainage easement. The problem that caused flooding on our property was that the City of Leavenworth required us to cap our drainage pipe and not allow water to run (downhill) into the adjacent catch basin. What is the purpose of a drainage pipe if it is there only to stop the flow of water and back-up into an overflowing retention pond. In practical terms, this meant that we were responsible for stopping the entire Ski Hill runoff on our little property, i.e. stopping gravity. The City of Leavenworth needs to think through the consequences (and physics) of its regulations.	2/2/2021 9:28 AM
25	Emig, W. Emig, Berstrasse, Detillion all intercept water that should flow as shallow ground water or sheet flow. Infiltration galleries would help. The ditches are too small, but trapping the water and sending it directly to the river is not the answer.	2/1/2021 9:48 PM
26	The problem is building continues to occur in natural runoffs and wetlands. The homes off of pine are prime contributors to the growing problem.	2/1/2021 9:48 PM
27	I'm guessing pine street	2/1/2021 9:44 PM
28	It's a problem in several areas, including along Pine St, where new houses are bein built, which so happen to be in the places where an effort like this one, completed about 4 years ago by	2/1/2021 8:36 PM

Does the Ski Hill basin have a flooding problem?

city, suggested some of those areas be set aside for water retention. Which followed the "Groundwater Problem Study" some of you today were involve in BACK IN THE LATE 90's! So I'm concerned this study will sit on a shelf and not lead to on the ground actions or policies addressing the problems.

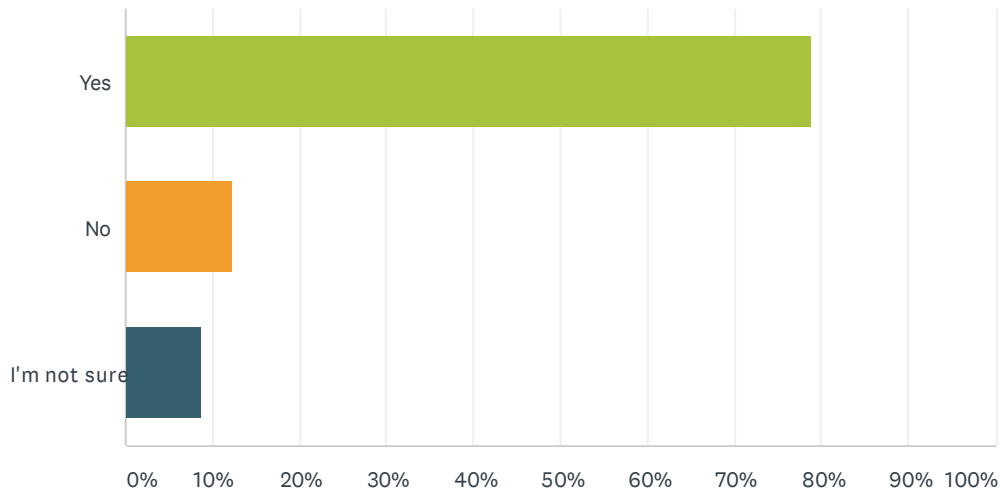
29	There has always been flooding on the inner loop of the Ski Hill roads - decades ago it was the orchards and the horse pasture that was flooded every spring. You put houses in there and now they get it. No pond at the parking lot or on the trails (biking and skiing and walking and such) That would ruin our recreation venue. If you get bigger culverts and clean out the ditches and channels (you ignore the channels right now and rarely clean out the culverts and ditches) it would take care of most if not all the problem But nothing at the Ski hill parking area or the trails. Clean out that ditch and put in more culverts might help up there but no ponds!!!!	1/31/2021 7:55 PM
30	Since water runs downhill, I worry about the new construction occurring on and above Pine St.	1/31/2021 6:41 PM
31	All across Titus road in the e-w direction and below	1/31/2021 4:46 PM
32	potential damage to homes and other structures by spring run off.	1/31/2021 4:30 PM
33	We live on Titus Rd at the intersection of Detillion and Titus Rd. We've had flooding in our crawl space when rain on snow events occur in late winter an early spring. Overflowing drainage ditches and culverts along Titus Rd may be contributing to some of the water draining onto our property.	1/30/2021 5:39 PM
34	On Titus and Detillion	1/30/2021 6:49 AM
35	Corner at Detillion/Titus. Sidewalks along north side of Pine. East section of Cedar. Curved section of Burke. BTW, why were houses built on Pine...so wet!!	1/29/2021 9:23 AM
36	Down from the ski hill to the city. From western hill side to the city. This is not a new problem, I have lived here for over 50 years and the orchards have absorbed most of the water. The addition of many houses toward the top of the basin has probably added to the problem, as they reduce the orchard coverage. Perhaps the number of nene homes and the smallness of building lots should be investigated	1/28/2021 7:25 PM
37	The flooding has been there for decades...those of us who were here in the 50s, 60s and 70s know the center area has always flooded. So what to do now that the County has opened that to houses? 1. Do better maintenance on the ditches, channels and culverts. I don't think any maintenance has been done to keep the channel on the Tumwater mountain side open, nor have the ditches been well maintained. 2. Install large enough culverts. So many of them are just too small for the water flow and they create flooding on the roads and on private property. Just go look at the size the County has at the end of Spring Street or the end of Maple - and compare those to the size of the channel that feeds the culverts. It's clear they are too small. 3. Do not put any ponds in the Ski Hill parking lot. We need that lot for parking for winter, spring, summer and fall recreation - plus a pond would interfere with the bike and ski trails. No to that option!!	1/28/2021 12:01 PM
38	In 16 years as a local property owner I have only seen one flood that over powered the ditches and drainae along Detillion.	1/27/2021 6:57 PM
39	Flooding is common at the east - west portion of Titus Road where the culvert takes water from the hillsides and draws under the road and into the orchard. As the photo illustrates, we've also seen occasional overtopping along Titus Road in the area around Emig Drive. The question for me is where did the water go before all of the development.	1/27/2021 11:45 AM
40	Last spring the vaults under the restroom at the parking lot was over flowing and leaking tank water onto the parking lot.	1/27/2021 11:20 AM
41	We live on Ranger Road and have experienced all the issues described in the analysis. A few years ago we experienced a pine apple express during winter time that flooded our crawl space. Our front yard turns into a swamp every spring. The channel that runs down through our property has at times carried so much water that the road gets flooded and washes out on its sides.	1/26/2021 4:30 PM
42	Ground water regularly flows across our property at 12285 Village View	1/26/2021 3:54 PM
43	The homes below the Ski Hill are at risk, some more than others, depending on the local geography.	1/26/2021 2:43 PM

Does the Ski Hill basin have a flooding problem?

44	Where there's development, of course. Why are we allowing folks to build in a wetland!?	1/26/2021 2:43 PM
45	Your picture of the street flooding is my concern and experience, all that water ran through my backyard! I almost lost my septic system and some of the foundation of my house. It cost me nearly \$4,000 to mitigate the situation in my yard. The water still flows, but is contained in a stream bed. I feel you should not let the water flow under Titus and into the orchard. There should be a way for the water to run down Titus and into the creek without running through the orchard and private property. I know my neighbors have also spent a considerable amount to try and control the water and keep it out of their homes.	1/26/2021 2:35 PM
46	In the known and published flood zones. Mostly South of Detillion Rd, West of Titus Rd and East of Ski Hill Drive. This runoff goes to the natural low spot which is the field South of Village View, East of Ski Hill into the area that new homes are being built in off Pine St. This is a natural flood basin and should NOT be built in.	1/26/2021 1:37 PM
47	The big areas of concern are the areas where the County culverts and ditches are too small for the run off. We live in this area. It is clear that the current ditches need more routine clearing by the County. It is also apparent that many of the culverts are too small. For example: the end of Spring Street has one culvert on an angle and one straight across which carries water from a 'creek' or ditch that drains from all the way up top by Ron Anderson's canyon. Both of those on Spring Street need replacing with larger culverts...they overflow and flood private property. Same with the end of Maple Street. And along Titus. If there was more maintenance of the ditches and enlarging of the culverts we would be okay. As far as the Ski Hill parking area please DO NOT put a pond or anything that takes up space in the parking lot or on the lower trails!!! That is our recreation space and our trails for winter, spring, summer and fall. We need that space, those trails and all of that parking. IF something needs to happen up there, please consider cleaning out the ditch above Titus (and maintaining it) and putting in bigger culverts under Titus and drain the water toward the already-in-existence reservoir below the water tank on City property. Please - nothing in the Ski Hill parking lot or on our trails. More maintenance of the ditches (all of them!) and enlarging culverts. Thank you for the opportunity to comment.	1/26/2021 12:51 PM
48	Detillion Road	1/26/2021 11:54 AM
49	Rapid snow melt and inadequate drains or plugged drains.	1/26/2021 11:12 AM
50	The channel to the West, especially when crossing Maple Street is subject to flooding. Much more so over the last five years than before. Our previous neighbor used ecology blocks to protect his property but that now puts all of the flooding pressure on our property and eroding our driveway.	1/26/2021 10:02 AM
51	We have one of the channels on our property and we have replaced the culvert three times in the last doze years and still the channel is now eroding and damaging our driveway. We have also had the bottom of our property flooded three times in the last five years so that is new.	1/26/2021 9:57 AM
52	Winter	1/26/2021 9:47 AM
53	Unplanned growth and development. Not preserving some of the historic channels. Not preserving the wetlands along pine street.	1/26/2021 9:27 AM
54	Undersized culvert locations	1/26/2021 9:04 AM
55	My residence is adjacent to the orchard and I have a storm water collection basin on the property which typically fills and sends the overflow downstream via a neighbors dry stream bed and outbound to Bergstrase. I personally, prior to an \$18K improvement, have had water in my residence. My concern is that any mitigation will adversely effect my improvement. I would therefore request a consultation prior to any work.	1/25/2021 4:22 PM
56	It won't be affecting all the new development in what used to be a wetland area as their built on high foundation. But that would be is where mitigation should of occurred. Stop allowing development in the last few wetland areas we have.	1/25/2021 2:10 PM

Q1 ALTERNATIVE #1 - DO NOTHING Should action be taken to address runoff from Ski Hill basin?

Answered: 57 Skipped: 9



ANSWER CHOICES	RESPONSES	
Yes	78.95%	45
No	12.28%	7
I'm not sure	8.77%	5
TOTAL		57

Ski Hill Alternatives Survey

#	ARE YOU CONCERNED ABOUT THE RUNOFF FROM SKI HILL? PLEASE DESCRIBE YOUR CONCERNS AND EXPERIENCES.	DATE
1	Yes. It hasn't happened very often but when we get large rain events that melt snow we have seen flooding from Ski Hill through the orchard down and along Detillion Rd.	2/26/2021 3:17 PM
2	There are events that need some type of mitigation. I would prefer to see a minimal approach. It seems the orchard / future development below the county road should bear a large part of the mitigation when developed since it would have to deal with this even if the basin above had no development. The ski hill's channelizing bears some responsibility and the county road some responsibility for concentrating the runoffs. I cannot tell exactly what Alt 2 does, but it seems the ski hill parking lot and county ditch could provide a significant detention pond with a well maintained control structure/s and ditches to address these uncommon events. Improvements to ditches would be dependent upon effectiveness of the detention facility. I would stress nothing works if not maintained.	2/25/2021 11:55 AM
3	Yes, very concerned as a property owner located at 12254 Detillion Rd where nearly all the water leaving National Forest Service land eventually flows through to underwhelming ditches along Detillion Rd. We've experienced significant damages resulting in the runoff events in recent years since the Plat of Titus Estates directly to the north has been developing. The retention pond located on Lot 1, of Titus Estates Phase II has been altered and no longer is effective as it once seemed to be. We have sustained approximately \$20,000 in damage repair in recent years due to the runoff.	2/24/2021 11:06 AM
4	I live on Ski View Ln and experience flooding across the back corner of my lot and my shed that is located in this area.	2/22/2021 2:43 PM
5	Very Much, our new house at 10459 Titus floods every year. NONE of these alternatives takes into account the land on this side, and run off on Titus Rd opposite the existing culvert. The water FLOWS down from the top of titus, through the orchards, and collects here. So this is all wonderful for all the new houses being curretnly built. but as a 25 year resident of Chelan county we would like our concerns and issues dealt with as well.	2/20/2021 4:51 PM
6	Yes, I agree that flooding in the Ski Hill Basin should be addressed. But none of the proposed action alternatives provides a comprehensive, well integrated, interdisciplinary solution. The stated aim of the project is to capture and convey runoff more efficiently. This narrow objective seems to hark back to a past when engineering solutions focused on solving discrete environmental problems often created more new problems than they solved. The resulting set of alternatives is very constrained and does not address many associated issues. In particular, the criteria used to develop and evaluate alternatives do not include environmental impacts, visual impacts, and safety, among other factors that warrant consideration. After reviewing the alternatives, I came away with many critical questions. How will the proposed alternatives affect the function of existing wetlands in the basin? For example, will the proposed solutions to the flooding problem result in changes in the hydroperiod of the wetlands, or even draining them? How will these solutions affect peak flow in Chumstick Creek and the Wenatchee River? How will these solutions affect the potential for flooding downstream of the Ski Hill Basin? What effects on water quality in receiving waters will each alternative have? Why aren't typical stormwater best practices like dispersion, detention, and infiltration more prominently featured in the preliminary designs? Why don't the alternatives include construction of a relatively large detention pond with associated trails and interpretive signs which could be an amenity for residents and tourists, perhaps at a location like that of the formerly proposed Meadowlark development? During development of alternatives, how much coordination occurred with hydrology and engineering staff from key stakeholder entities like WSDOT, Chelan PUD, the USFS, and downstream municipalities, among others? What measures will be taken to manage further development in the Ski Hill Basin in a way that ensures proposed solutions are not overwhelmed in the near future? Until a broader perspective is brought to evaluating this issue, resulting in broader range of proposed solutions, I think the best course is the "no action" alternative.	2/19/2021 6:00 PM
7	I have friends that have build a home on ski view and they have had a number of flooding seasons and so have their neighbors the home that build right next to the drain pipe at the top of ski hill I can not feel sorry for he had to know how bad it gets this has gone on for years i have a home south of w emiG was told when I bought the there were years when the water would fan down to Bergstrasse this is nothing new	2/19/2021 12:05 PM
8	Each year there is flooding across the top of Ski Hill (Titus Road) onto and through the orchard. There is flooding at the corner of Titus and Detillion and along Titus near the old	2/15/2021 11:47 AM

Ski Hill Alternatives Survey

Autumn Pond Bed and Breakfast. Doing nothing will not solve this problem. In addition, we have growing concerns about the flooding along Pinegrass and Pine Streets. Recognizing this is Leavenworth City Limits and not wholly the responsibility of the County, runoff in the basin includes that area. Homes being built along those streets have had to build with substantial flood mitigation in the foundations during construction. The more homes that are built in the 35 acres between Village View Drive and Pinegrass, the more flooding issues we are going to experience. We live on Village View and walk in that 35 acres weekly. There is a 365 day a year spring releasing water year round in the middle of that acreage flowing toward the elementary school. It will continue to flow and flooding will continue to worsen as McDevitt Land Company sells off parcels and those parcels are built on. PLEASE plan for mitigating that water issue in the future.

9	Yes, I am concerned. The flooding that has occurred is usually in the spring with surface water running off the hillside north or above of Ski Hill/Titus Road. The water/ice collects in the ditch then freezes not allowing it to pass through the convert in a timely fashion. It is mostly a maintenance issue and could be resolved with option #3 with the development of a expanded pond/gallery north of Ski Hill/Titus Rd, cleaning some of the storm water ditches and good proactive maintenance. More of a concern is the construction occurring in the City of Leavenworth along Pine and Pinegrass Streets. Ski Hill area has always had ground water flowing down the hill year-round. The houses being built have water flowing through or just below the concrete footings and sometimes create swimming pools in the foundations prior to flooring substructure application. Future water, sewer and road infrastructure is only going to compound the ground water issue, let along any flooding.	2/15/2021 6:50 AM
10	The following have not been addressed: 1) How climate change will affect snow pack in the Ski Hill area in the next 25 yr. and 50 yr. periods and the effect to ensuing runoff. 2) Frequency of \$ damage due to sudden runoff during the past 25 yr. and 50 yr. periods. 3) Past \$ damage that has occurred to each of the following : structures, roads and personal property. 4) If grants are not available, who pays and how much.	2/14/2021 1:58 PM
11	Stormwater runoff continues to cause an increase in damage to public and private property and structures.	2/12/2021 4:02 PM
12	Runoff after the orchard seems to pass through private property	2/11/2021 10:09 AM
13	Manage a home at the corner of Titus and Detillion and have seen first hand the problem with large water flows.	2/10/2021 11:26 AM
14	Yes, I live in the area. In recent years, the Titus Road ditches have been insufficient in containing the runoff.	2/3/2021 6:27 PM
15	Living on Detillion Road, at the last runoff event, we sandbagged, yet had major water running through our property and a big accumulation of mud on the property.	2/3/2021 7:23 AM
16	The 90s era Leavenworth Groundwater Problem Study was largely ignored. Too many impervious surfaces were built in areas upslope from previous development. A more recent study, commissioned by the city and paid for by Ecology in approximately 2016, was also mostly ignored when the houses and school were subsequently built along Pine St. Behind Club West, there are on-again, off-again efforts to manipulate the wetlands and remnants of old stream channels. For example some of it is now piped. That water should be daylighted. Putting water into pipes inhibits percolation and exacerbates flooding risks downstream in receiving areas. Enhance the wetland in the currently undeveloped area W of Aldea Village, and expand it onto portions of the MEND property and Agnew/ Hebert property between Titus Rd and Chumstick Hwy.	2/1/2021 8:55 PM
17	Yes - it flows through our property	2/1/2021 12:55 PM
18	I am concerned that the amount of development is creating more run-off to a poorly maintained conveyance system. Infrastructure should be in place prior to development and enhanced prior to more development that causes greater amounts of run-off. At a minimum, please clean out the existing culverts and ditches.	2/1/2021 10:56 AM
19	Now that nearly all available building lots are occupied, its pretty obvious that the existing stormwater drainage system is inadquate. The organic orchard bounded by Titus and Ski Hill will eventually turnover to housing. The runoff path is currently primarily through this orchard.	1/30/2021 1:55 PM
20	First, this water has been coming down in to the 'basin' orchards and horse pastures for decades upon decades. It is nothing new, what is new is the County allowed houses in the	1/28/2021 9:09 PM

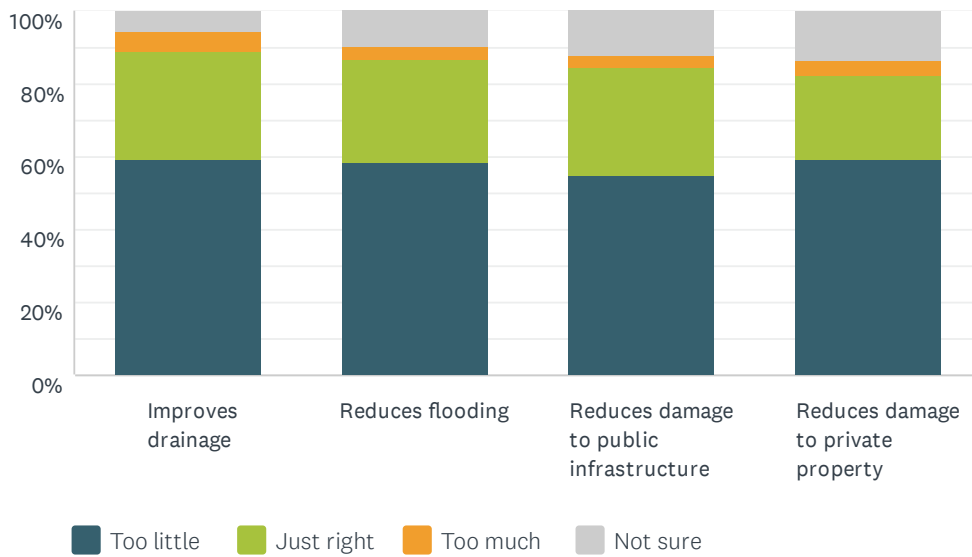
Ski Hill Alternatives Survey

area. If better cleaning of the channels, ditches and culverts was taking place much of this could be handled, especially if you upgrade the size of some of the culverts. Those on Titus and Detillion and Emig plus the two at the end of Spring Street are too small. That's where I walk and there may be more but those overflow the street and private property from culverts that are too small for the channel or ditch. What we do not want is you taking our ski hill parking lot and trails that join the parking lot for a pond or whatever you call it. That is our space to bike and hike and ski - and we need the parking lot to do that. If there is too much water there how about you clean out the ditch along the upper side of Ski Hill Road/Titus and run culverts in to the city owned reservoir across the road????

21	Definitely not a new problem. The orchards did reduce a lot of the problem that the many new homes built so close together may have aggravated	1/28/2021 7:54 PM
22	I haven't seen any problems but there must be one or this analysis would not have been done.	1/28/2021 4:26 PM
23	Routinely maintain the channels, ditches and culverts and that will help immensely. Next replace the too-small culverts with bigger ones that will handle the ditch and channel water flow. Specifically on Titus at Detillion and Emig, and at least two at the end of Spring Street. If you do both of those that is enough. And do not put a pond or gallery(whatever that is) on our ski hill parking lot or trails. That will mess with our winter and summer parking and recreation options.	1/28/2021 12:05 PM
24	But, the flood occurrence is so infrequent to not be a major problem. With the supposed global warming, less snow pack and drier climate this flooding becomes less of a problem over time. Major expense is probably not warranted.	1/27/2021 7:19 PM
25	I'm not overly concerned as most of the flooding appears to be minor, relative to the potential costs of the more expensive alternatives. Also, sometimes the solutions are worse than the problems when the intent is to occasionally move excess water. I think that slowing the water down is the best option, rather than just building faster flowing, more efficient ditches.	1/27/2021 12:05 PM
26	I think the answer to the above question depends on who's paying for it. The county and city agree to let folks build in these areas, and in turn they create revenue through permitting, and where possible, utility hook-ups.	1/26/2021 3:31 PM
27	I'm not affected by the runoff but understand the concern of people downstream that are. However, they were told they were building in a flood zone and either by manipulation and changes to the County code prohibiting construction or bad contractors building "flood safe" homes that weren't, were able to build in known flood zone. I agree that existing ditches and culverts could be improved to handle large runoff, but I would vigorously protest alternatives that would require a closed conveyance of the water, limiting the amount of water that is naturally returned to the ground water system. Results of that could take years to show how much of an error that would be but all the same an error.	1/26/2021 2:00 PM
28	I want to make sure the drainage issues to the West channel are also addressed.	1/26/2021 10:16 AM
29	This needs a long term vision/plan similar to what is occurring with the canyon drainage in and around the City of Wenatchee. That is to plan to keep canyon runoff separate from urban runoff.	1/26/2021 10:07 AM
30	I have plenty of experience with flood events in residential areas from previous 10+ years of living in North Bend, WA, so I'm not sure how to compare the runoff events from Ski Hill to more widespread flood zone type flooding when water tops river banks. Certainly, best to take advantage of natural fall-line topography when designing/implementing runoff drainage solutions. Also, I support use of natural features (on surface), like swales, berms, holding ponds, rather than culverts.	1/26/2021 9:45 AM
31	There is an issue and it seems to us (we live in the area) that if the County just put in larger culverts under the roads in many places (Titus, Ski Hill, Spring Street) and cleaned out the culverts and ditches and other run-off areas on a routine basis that would help immensely. Right now the culverts are not big enough. The end of Spring Street has two culverts (one on an angle and one straight across before the cul-de-sac) that are not large enough and overflow. That's an easy fix. How about simple and easier: put in bigger culverts then keep the ditches, culverts and such cleaned out on a regular routine basis.	1/25/2021 8:09 PM

Q2 ALTERNATIVE #2 Tell us how well you feel Alternative #2 meets each of the following priorities.

Answered: 54 Skipped: 12



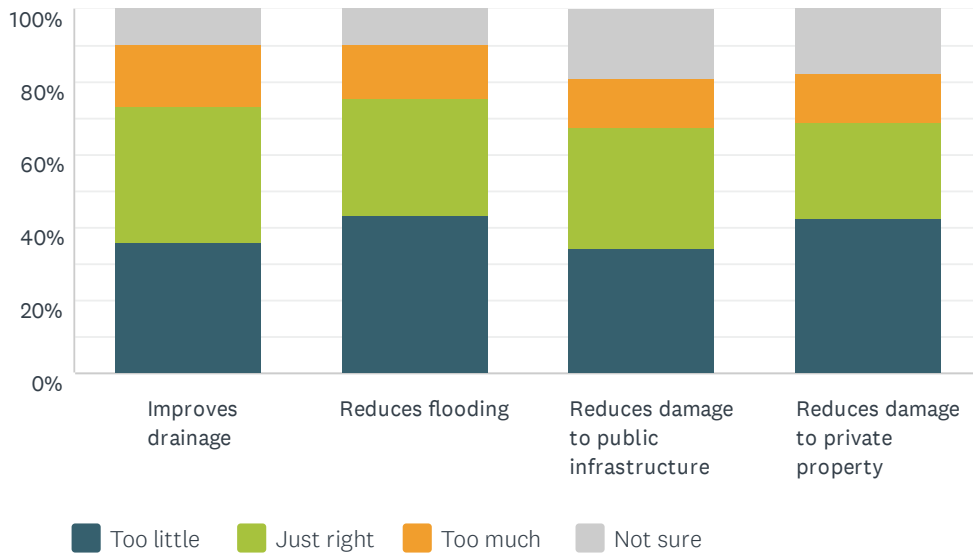
	TOO LITTLE	JUST RIGHT	TOO MUCH	NOT SURE	TOTAL
Improves drainage	59.26% 32	29.63% 16	5.56% 3	5.56% 3	54
Reduces flooding	58.49% 31	28.30% 15	3.77% 2	9.43% 5	53
Reduces damage to public infrastructure	54.90% 28	29.41% 15	3.92% 2	11.76% 6	51
Reduces damage to private property	59.62% 31	23.08% 12	3.85% 2	13.46% 7	52

Ski Hill Alternatives Survey

#	DO YOU HAVE ANY OTHER COMMENTS ABOUT ALTERNATIVE #2 YOU'VE LIKE TO SHARE WITH THE PROJECT TEAM?	DATE
1	This isn't going to solve much. You'll still have issues with flood water through the orchards and newer houses in that area of Ski View Ln. More homes will be built in that area so the problem will just increase over time.	2/26/2021 3:17 PM
2	Alternative 2 does not address the problem of the water runoff coming down through the orchard. When the flood event happened 2-3 years ago in February it was the mass water flow through the orchard and into private housing property below. There's currently no clear path for the runoff water to flow through the orchard. What happens when the orchard is pulled and houses are built?? There needs to be a long term solution.	2/25/2021 8:09 PM
3	Continuing to allow the release of the runoff onto private property is not a long term solution. Private property owners should to continue to be responsible for the runoff originating on National Forest Service land. It should be the responsibility of government to contain and drain the water using public land and ditching.	2/24/2021 11:06 AM
4	Assuming the problem will only keep getting worse, this seems like a stopgap, not a solution. (With this in mind, I don't think any solution here can be "too much.")	2/22/2021 4:43 PM
5	Maintaining the current infrastructure is prudent. The drainage system described in Alternative #2 has been in place for many years and has worked to handle run off. Unfortunately, the drainage ditches are often clogged with silt and cannot hold large flows of water. Digging them out and keeping them all maintained should be a first step.	2/15/2021 11:47 AM
6	As said before, additional pond/gallery north of Ski Hill/Titus road with some ditch cleaning and annual maintenance is the best. The flooding was due to a lack of awareness and good maintenance when necessary. No alternative will resolve the flooding if good maintenance and awareness is not in place. Also, clear out the ditches that have been filled in by the property owners.	2/15/2021 6:50 AM
7	It just makes sense to go with the path of least resistance at the most reasonable cost. Especially when there are a couple of other options that require this same step in them. If Alternative #2 is found to be less than expected, another Alternative could be implemented as the 2nd phase.	2/3/2021 6:27 PM
8	I doubt bigger ditches would handle the amount of water that has and can run off, as living on Detillion right at the base of the flow, we have seen how much water can and does run down.	2/3/2021 7:23 AM
9	Although I have not seen the city and county's plan for future development in the Ski Hill area, I do know that the existing culverts need to be cleaned out and larger culverts and ditches installed at the culminating point of the conveyance system.	2/1/2021 10:56 AM
10	This alternative is fine so long as you pair it with more routine maintenance of all the channels and ditches and culverts.	1/28/2021 9:09 PM
11	Too much emphasis on simply moving the water faster.	1/27/2021 12:05 PM
12	This seems very reasonable.	1/26/2021 3:31 PM
13	While this alternative assists in reducing the damage from the occasional high runoff, it does not create the problem a closed conveyance system would by restricting the return of the water naturally to the water table.	1/26/2021 2:00 PM
14	I want to make sure the drainage issues to the West channel are also addressed.	1/26/2021 10:16 AM
15	This does not address runoff across the orchard to what will occur when the orchard develops. Need to look at both short term measures and long term. This is short term measure but doe not look to look term.	1/26/2021 10:07 AM
16	While doing #2 how about putting in larger culverts at the end of Spring Street and the end of Maple, and under Titus at the top of the loop? That would be a big help and not as large an undertaking as #3-#6.	1/25/2021 8:09 PM

Q3 ALTERNATIVE #3 Tell us how well you feel Alternative #3 meets each of the following priorities.

Answered: 53 Skipped: 13



	TOO LITTLE	JUST RIGHT	TOO MUCH	NOT SURE	TOTAL
Improves drainage	35.85% 19	37.74% 20	16.98% 9	9.43% 5	53
Reduces flooding	43.40% 23	32.08% 17	15.09% 8	9.43% 5	53
Reduces damage to public infrastructure	34.62% 18	32.69% 17	13.46% 7	19.23% 10	52
Reduces damage to private property	42.31% 22	26.92% 14	13.46% 7	17.31% 9	52

Ski Hill Alternatives Survey

#	DO YOU HAVE ANY OTHER COMMENTS ABOUT ALTERNATIVE #3 YOU'VE LIKE TO SHARE WITH THE PROJECT TEAM?	DATE
1	No pond at the Ski Hill parking lot. An underground storage tank could help.	2/26/2021 3:17 PM
2	Continuing to allow the release of the runoff onto private property is not a long term solution. Private property owners should to continue to be responsible for the runoff originating on National Forest Service land. It should be the responsibility of government to contain and drain the water using public land and ditching.	2/24/2021 11:06 AM
3	I like the pond idea, if it could be made large enough.	2/22/2021 4:43 PM
4	this maybe all that needs to be done and maintained	2/19/2021 12:05 PM
5	Holding water at the top of Ski Hill could provide a temporary flow reduction, however retention ponds are unsightly holes when not holding water and a safety risk for children, animals and overly inquisitive people. This is not the best option. We experienced flooding at the top of the Hill last year because of an ice dam and a poorly maintained culvert. If drainage swales and culverts are kept clean this is less of an issue.	2/15/2021 11:47 AM
6	seems like it might collect a lot of the water closest to the major source of run off and then limit the flow down stream at it's peak flows. This might be an infiltration pond that also helps it naturally infiltrate. Costs not as much as other alts	2/13/2021 12:26 PM
7	A pond at Ski Hill might be a hazard to youth who hang out at the ski hill area	2/3/2021 9:22 PM
8	I believe Alternative #3 is overkill until it has been determined if Alternative #2 is sufficient.	2/3/2021 6:27 PM
9	Either alternative 3 or 4 would be sufficient	2/3/2021 9:13 AM
10	Not knowing the amount of flooding that might occur, this alternative may not be enough to contain the water, as occurred recently...3 or 4 years ago. Much damage occurred at that time.	2/3/2021 7:23 AM
11	I don't see anything in this plan, or any of the six, that deal with the increased run-off from the drainage area that is being developed adjacent to Pine Street. Probably because that is not in the county. Plan 3 does open up Chumstick Creek and improves they conveyance of water downstream but water mitigation uphill from the planned area still needs to be addressed.	2/1/2021 10:56 AM
12	what are the chances of the pond/gallery flooding across titus into the adjoining properties?	1/30/2021 4:47 PM
13	NOTHING in the parking lot at the ski hill. Please do not take our recreation site away.	1/28/2021 9:09 PM
14	The ski hill and the parking lot are a vital attribute for the community. Any plan that reduces the current parking are to be avoided. This is the access point for skiing, biking, walking, hiking and access to the forest	1/28/2021 7:54 PM
15	This could work if the pond at Ski area is large enough and metered to reduce high flows during flood events.	1/27/2021 7:19 PM
16	I'd recommend Alternative 3 due to the medium costs yet proactive in the actions that would be taken.	1/27/2021 3:07 PM
17	This seems to me to be the best option for slowing the water down without spending a ton of money.	1/27/2021 12:05 PM
18	Still reasonable.	1/26/2021 3:31 PM
19	This alternative is dangerous because it's not readily shown to improve the conceived problem of the homes that were built in an area that shouldn't have been and whether or not it would add flooding problems to the current orchard area which greatly reduces the flood by absorbing the runoff back into the ground water, which it should. However, the orchard may not be there in the future with it being replaced by more homes and now the "fix" will create a problem that will need to be addressed.	1/26/2021 2:00 PM
20	I want to make sure the drainage issues to the West channel are also addressed.	1/26/2021 10:16 AM
21	Doing more but again short plan with various measures to implement over time.	1/26/2021 10:07 AM
22	Pond/gallery at ski hill is good, but I support going one step further with Alt #5.	1/26/2021 9:45 AM
23	The Leavenworth Ski Hill is growing in popularity and the parking is in very short supply.	1/26/2021 9:36 AM

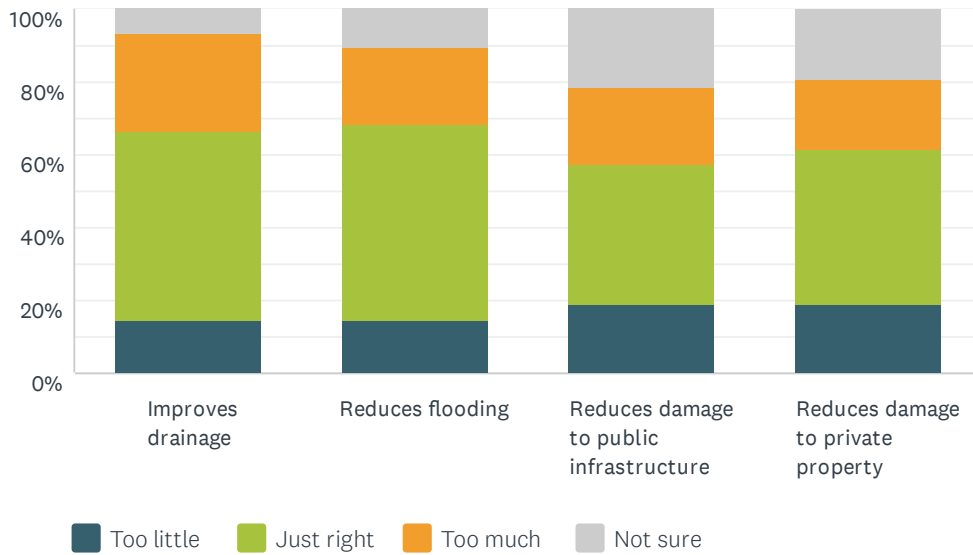
Ski Hill Alternatives Survey

Proposed retention pond looks to be built in the parking lot and nordic trail system.

24	Please! NO pond/gallery/basin or anything in the Ski Hill parking lot that reduces the space to park, ski, tube, hike, use the trails or whatever. We NEED all of that space to enjoy the Ski Hill! If you put in a pond we will lose our cross country trails (and summer bike trails) as well as reduce the parking area. That is too important to our kids as a winter recreation area. Please don't!!!! If you need to drain from the lot area why don't you put culverts in from the parking lot under the road to the pond across the road by the City big water reservoir? That would not gut our skiing and trails and parking for recreation.	1/25/2021 8:09 PM
25	The lower parking lot area at ski hill is a mud pit anyways and needs improvement you would be helping the greater community out with this alternative.	1/25/2021 2:18 PM

Q4 ALTERNATIVE #4 Tell us how well you feel Alternative #4 meets each of the following priorities.

Answered: 48 Skipped: 18



	TOO LITTLE	JUST RIGHT	TOO MUCH	NOT SURE	TOTAL
Improves drainage	14.58% 7	52.08% 25	27.08% 13	6.25% 3	48
Reduces flooding	14.58% 7	54.17% 26	20.83% 10	10.42% 5	48
Reduces damage to public infrastructure	19.15% 9	38.30% 18	21.28% 10	21.28% 10	47
Reduces damage to private property	19.15% 9	42.55% 20	19.15% 9	19.15% 9	47

Ski Hill Alternatives Survey

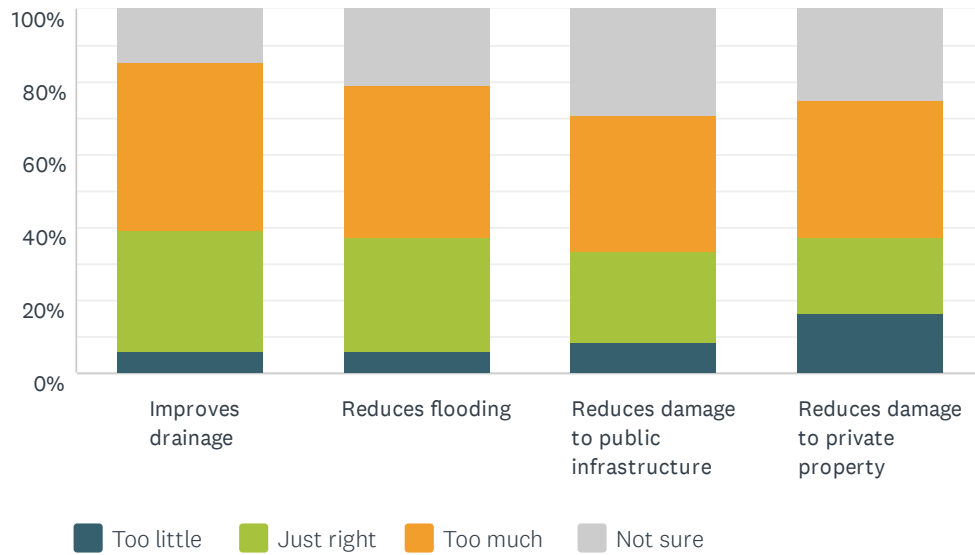
#	DO YOU HAVE ANY OTHER COMMENTS ABOUT ALTERNATIVE #4 YOU'VE LIKE TO SHARE WITH THE PROJECT TEAM?	DATE
1	I think this is a good alternative because the storage underground will help slow the runoff and this option keeps floodwater within the public road right-of-way and not through private property. Seems like this is easiest for the County to manage long-term.	2/26/2021 3:17 PM
2	This is a possible good alternative to direct the runoff keeping it in county ditch property and sending it down the road. The speed of the water flowing down Titus could become a problem if the ditch banks are not reinforced. Instead of using an open ditch down Titus, a large pipe could be used to safely move the water down.	2/25/2021 8:09 PM
3	It would seem that alternative #4 is the "best" option in containing the runoff on National Forest Service land and routing the runoff in adequate and improved ditching along Titus Rd leading to the Wenatchee River. This appears to be the "best" alternative in keeping the majority of runoff off of private property.	2/24/2021 11:06 AM
4	I like this one as well, although I realize we are getting into pricey territory.	2/22/2021 4:43 PM
5	PLEASE come WALK out property and let me give you a tour..	2/20/2021 4:51 PM
6	Routing the water flow eastward will run a huge amount of water down and around Titus--water that previously flowed through the orchard.	2/15/2021 11:47 AM
7	I believe Alternative #4 is overkill until it has been determined if Alternative #2 is sufficient.	2/3/2021 6:27 PM
8	Either alternative 3 or 4 would be sufficient	2/3/2021 9:13 AM
9	This alternative seems to be the one that would protect homes and property downhill of the ski area.	2/3/2021 7:23 AM
10	The existing ditches and culverts in the Ski Hill drainage system need to be cleaned and repaired. The culvert in front of my house is 3/4 full of mostly mud. I clean the ends out with my shovel but a majority of the culvert is still full. Only a limited amount of water can pass through the culvert during heavy rains or run-off. The drain at the end of our street also needs to be cleaned. Opening a path for the run-off in Chumstick Creek is a good start. Increasing the diameter of the culverts to improve the flow of water from Ski Hill will allow water to flow into designed channels instead of flooding over roadways and private property. To curb some costs now, if more water mitigation is needed to the east of Titus, that drainage could be added to the system in a future project if the county installs culverts large enough to handle that addition. I have limited knowledge of that area. (The increased water into the system below is largely due to the development of the wetland area adjacent to Pine Street. Water from the hay fields used to slowly seep into the ground at the bottom of the fields that the city is now developing with houses minimally placed next to one another. I miss walking down Pine Street and seeing and hearing the frogs and birds that would frequent that wetland area. The standing water that attracted the birds and animals now runs off from the rooftops, driveways and roads placing heavier volumes of run-off into a poorly maintained conveyance system. I realize this is city property and planning.)	2/1/2021 10:56 AM
11	Options 3 and 4 are very good. 4 is more thorough than 3, so that is my first choice.	1/31/2021 4:43 PM
12	It is okay EXCEPT NOT the pond in the ski hill parking lot. Otherwise it's fine but may be way more than we need.	1/28/2021 9:09 PM
13	Some concerns over ski hill usage	1/28/2021 7:54 PM
14	Do not oversize the east-west pipe/swale and allow some extreme high flows to bleed off into the orchard.	1/27/2021 7:19 PM
15	I'm concerned about the cost of alternatives 4, 5 and don't know about 6 as there isn't much info. Alternative 3 is a middle of the road option. If there was a huge pot of money we could use with no increase in taxes or impacts to the environment, I'd select alternative 4, but that isn't realistic.	1/27/2021 3:07 PM
16	Somehow the flow has to be slowed down but this seems excessive.	1/27/2021 12:05 PM
17	Absolutely should not be done for basically the same reasons as stated above. Unfortunately, whether planned or not, the responses do not allow a clear statement of the problems with this alternative. Therefore, NO, this is NOT a good alternative.	1/26/2021 2:00 PM

Ski Hill Alternatives Survey

18	This or alternative 5 appear to be the best options as they are more comprehensive.	1/26/2021 12:10 PM
19	Does this help the West channel flooding issues?	1/26/2021 10:16 AM
20	Too much "pipework" to force the water "around the corner" of Titus Road, rather than utilize natural slope and fall-line like Alt #5 does.	1/26/2021 9:45 AM
21	The Leavenworth Ski Hill is growing in popularity and the parking is in very short supply. Proposed retention pond looks to be built in the parking lot and nordic trail system.	1/26/2021 9:36 AM
22	Please! NO pond/gallery/basin or anything in the Ski Hill parking lot that reduces the space to park, ski, tube, hike, use the trails or whatever. We need all of that space to enjoy the Ski Hill! If you put in a pond we will lose our cross country trails as well as reduce the parking area. That is too important to our kids as a winter recreation area. If you need to drain from the lot area why don't you put culverts in from the parking lot under the road to the pond across the road by the City big water reservoir? That would not gut our skiing and trails and parking for tubing.	1/25/2021 8:09 PM
23	Doesn't seem necessary to solve the problem	1/25/2021 2:18 PM

Q5 ALTERNATIVE #5 Tell us how well you feel Alternative #5 meets each of the following priorities.

Answered: 48 Skipped: 18



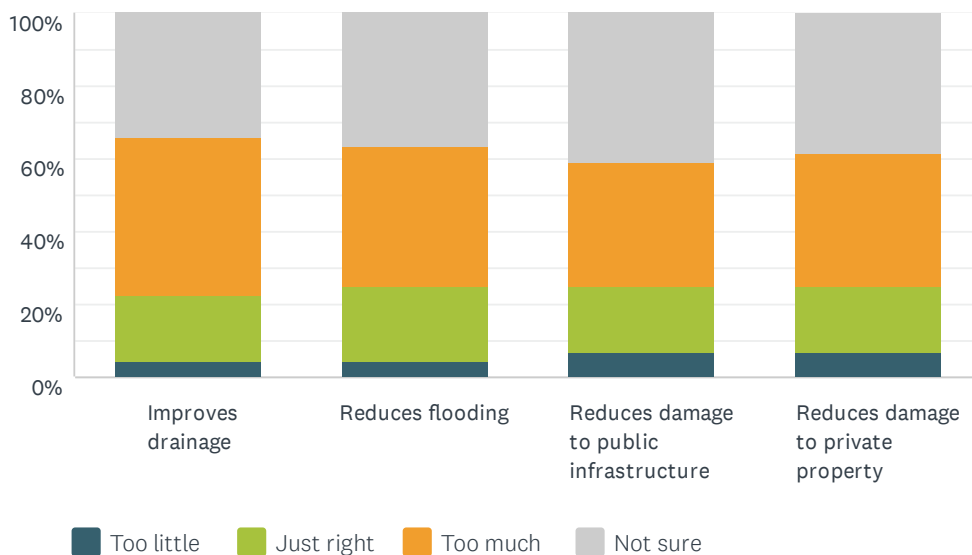
	TOO LITTLE	JUST RIGHT	TOO MUCH	NOT SURE	TOTAL
Improves drainage	6.25% 3	33.33% 16	45.83% 22	14.58% 7	48
Reduces flooding	6.25% 3	31.25% 15	41.67% 20	20.83% 10	48
Reduces damage to public infrastructure	8.33% 4	25.00% 12	37.50% 18	29.17% 14	48
Reduces damage to private property	16.67% 8	20.83% 10	37.50% 18	25.00% 12	48

Ski Hill Alternatives Survey

#	DO YOU HAVE ANY OTHER COMMENTS ABOUT ALTERNATIVE #5 YOU'VE LIKE TO SHARE WITH THE PROJECT TEAM?	DATE
1	It seems risky to run that through a lot of private property, especially with expected growth in houses in that area. The orchard will all be houses someday. It also seems more difficult for the county to maintain and have to deal with private property owners.	2/26/2021 3:17 PM
2	This appears to funnel all the water down onto Detillion. Again when sending large quantities down along the road ditches, have large converts the length of the road been considered? It seems a larger open ditch along the road would be a potential safety hazard.	2/25/2021 8:09 PM
3	Not sure about getting a pipe or culvert through all that, but if I lived by that pink line I'm sure I wouldn't be as excited about this.	2/22/2021 4:43 PM
4	It seems that this option is set up to mitigate water away from the orchard--moving a flow pathway that has been there for decades. One might wonder, are we looking to mitigate this waterflow so the orchardist can eventually sell the land to build houses? The pink line as drawn will directly impact a new home right on that pink line. While this could take some of the flow away from the upper end of Titus, it definitely will bring it all back in to Titus at Detillion. THAT corner would really need to be looked at with this option.	2/15/2021 11:47 AM
5	No.....do not do this option.	2/15/2021 6:50 AM
6	Acquiring easements on private property is not feasible.	2/10/2021 10:34 AM
7	We would rather not dry out the orchard area because it will just result in overdevelopment	2/3/2021 9:22 PM
8	I am NOT in favor of this option. Costs are too high and it routes right through several privately owned properties.	2/3/2021 6:27 PM
9	Would really help the properties below the ski hill area.	2/3/2021 7:23 AM
10	The map for Alternative 5 was not visible.	1/30/2021 1:55 PM
11	NOTHING in the ski hill parking lot or on our trails.	1/28/2021 9:09 PM
12	The cost is the issue and also the impacts to residents and users of this area. Don't use a sledge hammer where a small hammer will do...in other words, if a moderate amount of work will resolve the issue don't go for the very expensive alternative just because you can.	1/27/2021 3:07 PM
13	Not feasible to reconstruction the original drainage between upper Titus and Detillion road. Will need to be done with roadside drainage ditches.	1/26/2021 3:28 PM
14	Same as Alternative #4. NO!	1/26/2021 2:00 PM
15	That seems to be the way the water wants to flow. But the culverts along Titus Rd need to be improved also.	1/26/2021 10:49 AM
16	I want to make sure this helps take pressure off of the West channel	1/26/2021 10:16 AM
17	This seem as good long term plan as it plan for long term measures and induvial sub-project could be developed to address overall basin deficiencies. It also plans for future development of the orchard land which will at sometime occur.	1/26/2021 10:07 AM
18	I prefer this option, only if the pink line is a surface swale, with mini-holding-ponds or water berms to retain/slow down the flow and create a natural channel, similar to the downstream green-dashed channel. Bonus would be environmental benefit for plants/animals. A culvert would lead to too much flow in high-melt or high-water events, in my mind, for downstream ditches to handle.	1/26/2021 9:45 AM
19	The Leavenworth Ski Hill is growing in popularity and the parking is in very short supply. Proposed retention pond looks to be built in the parking lot and nordic trail system.	1/26/2021 9:36 AM
20	Please! NO pond/gallery/basin or anything in the Ski Hill parking lot that reduces the space to park, ski, tube, hike, use the trails or whatever. We need all of that space to enjoy the Ski Hill! If you put in a pond we will lose our cross country trails as well as reduce the parking area. That is too important to our kids as a winter recreation area. If you need to drain from the lot area why don't you put culverts in from the parking lot under the road to the pond by the City big water reservoir? That would not gut our skiing and trails and parking for tubing.	1/25/2021 8:09 PM

Q6 ALTERNATIVE #6 Tell us how well you feel Alternative #6 meets each of the following priorities.

Answered: 44 Skipped: 22



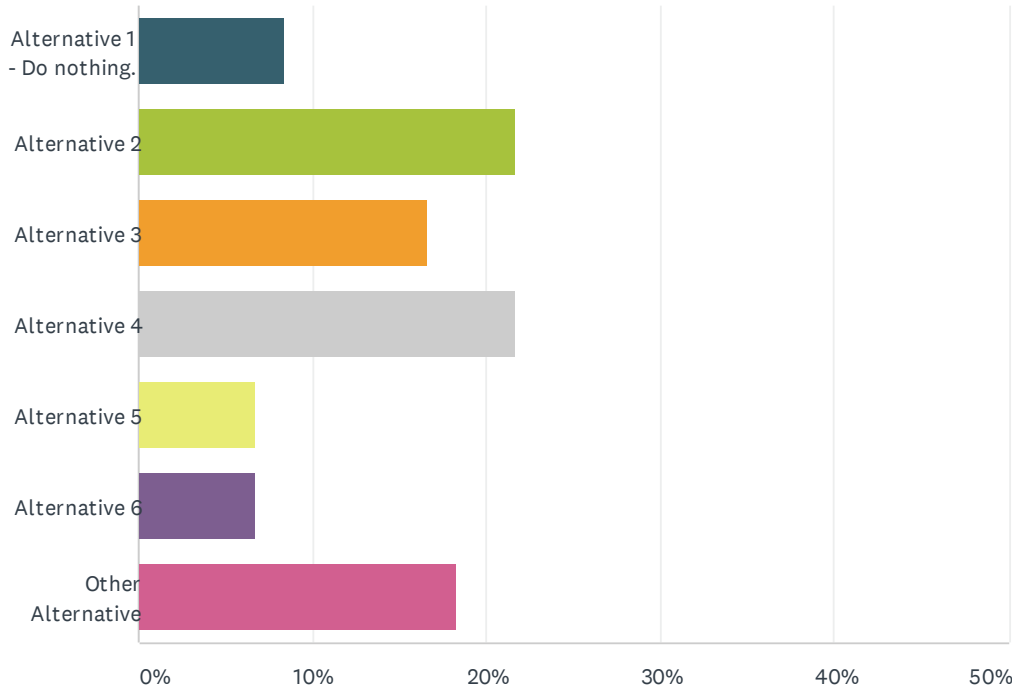
	TOO LITTLE	JUST RIGHT	TOO MUCH	NOT SURE	TOTAL
Improves drainage	4.55% 2	18.18% 8	43.18% 19	34.09% 15	44
Reduces flooding	4.55% 2	20.45% 9	38.64% 17	36.36% 16	44
Reduces damage to public infrastructure	6.82% 3	18.18% 8	34.09% 15	40.91% 18	44
Reduces damage to private property	6.82% 3	18.18% 8	36.36% 16	38.64% 17	44

Ski Hill Alternatives Survey

#	DO YOU HAVE ANY OTHER COMMENTS ABOUT ALTERNATIVE #6 YOU'VE LIKE TO SHARE WITH THE PROJECT TEAM?	DATE
1	This could be a good solution if you can manage the runoff to get to Chumstick Creek without impacting too much private property. It would likely require more new infrastructure where there is already a mechanism to get water from Titus Rd to Chumstick Creek in the existing channel.	2/26/2021 3:17 PM
2	This seems like it would be very expensive for a flood problem that does happen vey often.	2/25/2021 8:09 PM
3	This seems more like a "wouldn't it be nice" rather than something that could realistically be done given the potential issues with forest service and homeowners.	2/22/2021 4:43 PM
4	Too much impact on private property and our local forest. Not a viable option. Moving the problem somewhere else does not solve it.	2/15/2021 11:47 AM
5	Problems ? To many unknowns.	2/10/2021 10:34 AM
6	This plan sounds expensive and difficult to implement	2/3/2021 9:22 PM
7	Alternative #6 may take care of the problem, but costs are likely a factor. It sounds expensive.	2/3/2021 6:27 PM
8	NOTHING in the ski hill parking lot or on our trails!!	1/28/2021 9:09 PM
9	Most expensive, but may be the best and cheapest in the long run.	1/28/2021 7:54 PM
10	Forces our flood event onto someone else. Major construction will be needed to protect Chumstick Highway.	1/27/2021 7:19 PM
11	Too vague, not enough info provided.	1/27/2021 3:07 PM
12	Not feasible.	1/26/2021 3:28 PM
13	NO!!	1/26/2021 2:00 PM
14	This would be a good option if it fully addresses the water issues at Detillion but with future development possible, option 4&5 would provide future development connections for stormwater overflow.	1/26/2021 12:10 PM
15	It looks too complex and cost prohibitive.	1/26/2021 10:49 AM
16	This would seem to open up all sort of problems and issues. It does plan to keep/direct canyon runoff separate from urban runoff which I think is the overall goal.	1/26/2021 10:07 AM
17	Too invasive, destructive to natural forest environment and is the "over-engineered" solution. Goes against the grain of natural topography and fall-lines. Too much \$ and not worth the investment compared to the other options.	1/26/2021 9:45 AM
18	The Leavenworth Ski Hill is growing in popularity and the parking is in very short supply. Proposed retention pond looks to be built in the parking lot and nordic trail system.	1/26/2021 9:36 AM
19	Please! NO pond/gallery/basin or anything in the Ski Hill parking lot that reduces the space to park, ski, tube, hike, use the trails or whatever. We need all of that space to enjoy the Ski Hill! If you put in a pond we will lose our cross country trails as well as reduce the parking area. That is too important to our kids as a winter recreation area. If you need to drain from the lot area why don't you put culverts in from the parking lot under the road to the pond across the road by the City big water reservoir? That would not gut our skiing and trails and parking for tubing. Draining to Chumstick is fine, adding a pond or similar to the Ski Hill Parking lot is NOT okay - we lose too much by doing that.	1/25/2021 8:09 PM
20	way over the top	1/25/2021 2:18 PM

Q7 Which alternative do you prefer?

Answered: 60 Skipped: 6



ANSWER CHOICES	RESPONSES	
Alternative 1 - Do nothing.	8.33%	5
Alternative 2	21.67%	13
Alternative 3	16.67%	10
Alternative 4	21.67%	13
Alternative 5	6.67%	4
Alternative 6	6.67%	4
Other Alternative	18.33%	11
TOTAL		60

Ski Hill Alternatives Survey

#	OTHER ALTERNATIVE. PLEASE DESCRIBE.	DATE
1	I like 2 & 3.	2/22/2021 4:43 PM
2	Please come up with a plan to also address the issues coming off of the area between Burnett Rd and Ski Blick, our porperty takes ALL THE WATER.	2/20/2021 4:51 PM
3	The aim of this project to hustle runoff water off the Ski Hill Basin is inappropriate. Even in flood, water is precious and needs to be conserved, especially in over-allocated, flow-limited basins and watersheds like the Chumstick and Wenatchee. Please design alternatives focused on retaining flood flows and getting them in the ground as much as possible. That approach will serve us better during our long, dry, fire-prone seasons that follow our brief floods.	2/20/2021 8:34 AM
4	Overall, these alternatives focus too much on engineering. Alt 5, if the long N-S feature was a swale (not a pipe), might be OK. Behind Club West, there are on-again, off-again efforts to manipulate the wetlands and remnants of old stream channels. For example some of it is now piped. That water should be daylighted once again. Putting water into pipes inhibits percolation and exacerbates flooding downstream. It'd be a better idea to enhance the wetland in the currently undeveloped area W of Aldea Village, and expand it onto portions of the MEND property (which has been for sale for years) and Agnew/ Hebert property between Titus Rd and Chumstick Hwy. This area could be an effective water retention location due to its location and topography, and it could be an attractive mitigation site for impacts to wetlands in the larger Ski Hill area as they are impaired due to activity along Pine St, on the former Brender property, near ALES, etc.	2/15/2021 7:53 PM
5	An improved pond/gallery north of Ski Hill/Titus road with a ditch cleaning and good annual maintenance.	2/15/2021 6:50 AM
6	Behind Club West, there are on-again, off-again efforts to manipulate the wetlands and remnants of old stream channels. For example some of it is now piped. That water should be daylighted once again. Putting water into pipes inhibits percolation and exacerbates flooding downstream. It'd be a better idea to enhance the wetland in the currently undeveloped area W of Aldea Village, and expand it onto portions of the MEND property (which has been for sale for years) and Agnew/ Hebert property between Titus Rd and Chumstick Hwy. This area could be an effective water retention location due to its location and topography, and it could be an attractive mitigation site for impacts to wetlands in the larger Ski Hill area as they are impaired due to activity along Pine St, on the former Brender property, near ALES, etc.	2/1/2021 8:55 PM
7	#1 or #2, but nothing in our ski hill parking lot or on our trails.	1/28/2021 9:09 PM
8	Alternative 4 with reduced east-west capacity and a bleed off to orchard.	1/27/2021 7:19 PM
9	It seems current planning is focused on flooding issues on the area on the eastside below ski hill. I am concerned that the flooding issues on the west side of Ski Hill Drive are not being addressed and might get worse if water is diverted or redirected on the eastside only. I would much appreciate more insight on this aspect.	1/26/2021 4:42 PM
10	Alternative #4 or #5 but I really want to understand how all of these alternatives impact the West Channel.	1/26/2021 10:16 AM
11	#1 if you do it regularly AND enlarge the culverts on upper Titus, end of Maple, end of Spring Street...or enlarge those culverts AND do #2.	1/25/2021 8:09 PM

Q8 Enter your email if you would like to receive an update when the report is completed.

Answered: 41 Skipped: 25

ANSWER CHOICES	RESPONSES
Name	0.00% 0
Company	0.00% 0
Address	0.00% 0
Address 2	0.00% 0
City/Town	0.00% 0
State/Province	0.00% 0
ZIP/Postal Code	0.00% 0
Country	0.00% 0
Email Address	100.00% 41
Phone Number	0.00% 0

#	NAME	DATE
	There are no responses.	
#	COMPANY	DATE
	There are no responses.	
#	ADDRESS	DATE
	There are no responses.	
#	ADDRESS 2	DATE
	There are no responses.	
#	CITY/TOWN	DATE
	There are no responses.	
#	STATE/PROVINCE	DATE
	There are no responses.	
#	ZIP/POSTAL CODE	DATE
	There are no responses.	
#	COUNTRY	DATE
	There are no responses.	

Ski Hill Alternatives Survey

#	EMAIL ADDRESS	DATE
1	dorothyjtn@gmail.com	2/27/2021 2:53 PM
2	birdrok@gmail.com	2/26/2021 3:18 PM
3	sanborn@nwi.net	2/26/2021 3:17 PM
4	dfullerwa@gmail.com	2/26/2021 10:22 AM
5	Pudforester2000@gmail.com	2/25/2021 8:09 PM
6	campfuller@yahoo.com	2/25/2021 11:55 AM
7	MKELLY@KELLYAPPRAISAL.COM	2/24/2021 11:06 AM
8	barbacovi@gmail.com	2/22/2021 4:43 PM
9	jayjay62@nwi.net	2/22/2021 2:43 PM
10	terimcintyre72@outlook.com	2/20/2021 4:51 PM
11	khalupka@frontier.com	2/19/2021 6:00 PM
12	clord46@charter.net	2/19/2021 12:05 PM
13	dnbbell@hotmail.com	2/16/2021 7:57 AM
14	pstroz13@gmail.com	2/15/2021 11:47 AM
15	sschimelfenig@yahoo.com	2/15/2021 6:50 AM
16	roslyndog@hotmail.com	2/14/2021 7:32 PM
17	wolfetj@frontier.com	2/14/2021 1:58 PM
18	tedtcc@gmail.com	2/13/2021 12:26 PM
19	mercyrone@gmail.com	2/12/2021 1:16 PM
20	cflorea@cityofleavenworth.com	2/10/2021 11:26 AM
21	gcpjday@aol.com	2/10/2021 10:34 AM
22	kinderranch@nwi.net	2/3/2021 6:27 PM
23	easy13b@netscape.net	2/3/2021 9:13 AM
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25	davidmorgan29@hotmail.com	2/1/2021 8:55 PM
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27	getintheAgame@gmail.com	2/1/2021 10:56 AM
28	levitsky52@aol.com	1/31/2021 4:43 PM
29	church.chris@gmail.com	1/30/2021 1:55 PM
30	bauer5503@genext.net	1/28/2021 7:54 PM
31	neimanken@comcast.net	1/27/2021 7:19 PM
32	robinodem@gmail.com	1/27/2021 3:07 PM
33	sibylle001@yahoo.com	1/26/2021 4:42 PM
34	keith@towerdesigns.com	1/26/2021 3:28 PM
35	dmorgan1242@fairpoint.net	1/26/2021 2:05 PM
36	streetspook@yahoo.com	1/26/2021 2:00 PM
37	dsmanager@cityofleavenworth.com	1/26/2021 12:10 PM

Ski Hill Alternatives Survey

38	foyles@aol.com	1/26/2021 10:49 AM
39	lew_wagman@hotmail.com	1/26/2021 10:16 AM
40	mikepro3@gmail.com	1/26/2021 9:45 AM
41	fallonrob@gmail.com	1/26/2021 9:36 AM
#	PHONE NUMBER	DATE
	There are no responses.	