

What Are Your Priorities for South Beach Flood Hazard Management Planning?

We want your feedback...

Over the last several months, Grays Harbor County has held a series of meetings at Westport City Hall to discuss flooding problems in the South Beach area and possible ways to alleviate some of the problems. Many residents turned out for the meetings and identified a number of flooding problems and related issues. Everyone who attended one of the meetings has been sent this flyer, which is also available by request from the County.

With your input from the meetings, the County is currently preparing a Flood Hazard Management Plan (FHMP) for the South Beach area, funded in part by a grant from the Washington State Department of Ecology. As part of that planning process, solutions to flooding problems are being identified and prioritized. At the last public meeting on March 26, a number of example solutions were presented, including both engineering options (such as creation or improvement of drainage channels) and policy options (such as the limitation of filling in flood plains and wetlands). The plan adopted by the County will include both types of options.

Based on what we know now, the County has prepared a list of engineering and policy solutions for potential funding. The survey following the project descriptions lists these solutions and includes a number of questions on your preferences and priorities for preferred solutions, funding options, and the overall flood hazard management planning process. The results will be used in developing the draft FHMP, which will be mailed to you around the end of May.

We need your feedback to ensure that the solutions and priorities accurately reflect your concerns. Please provide your comments ***by May 16, 1997***, to Lee Hansmann at the Grays Harbor County Department of Public Works (1-800-230-1638), or mail them to P.O. Box 511, Montesano, WA 98563-0511.

Thank you for your participation!

Figure 1 shows the identified flooding areas as documented during the community meetings. Seven of these areas (labeled with circles) were selected for analysis and the creation of example solutions. Please read the following 2 paragraphs closely before reviewing the Example Solution Summary Table.

These 7 locations were selected because they are reasonable examples of the possible solution types and order-of-magnitude costs that can be expected elsewhere in the project area, they have important safety, health or property protection value, and you have indicated that they are priorities at the community meetings. Conceptual solutions with very preliminary order-of-magnitude costs for these example sites were developed and presented at the March 26, 1997 Committee Meeting. A summary of these examples is provided below, with total and individual homeowner costs for planning purposes.

When reviewing the cost opinions, it is important to understand that these costs are provided only to indicate potential expenses based on a very preliminary design. Actual conditions at the project site will make the actual costs vary widely. It should also be noted that if these ideas are implemented by individual property owners with donated labor, equipment, and little or no overhead or engineering fees, costs could SUBSTANTIALLY LOWER.

These notes are used to clarify information in the Example Solutions Table. Refer to them as necessary.

NOTES:

- (1) Assumes 50% of funding will be provided by State or County. Applied only to SR105 projects.
- (2) Assessment/start-up costs for the Utility Local Improvement Districts (ULIDs) will be in the \$20 - \$50,000 range. The costs will vary from what is assigned here; however, a simple plan of \$20,000 on low end cost estimates and \$40,000 on high end was used here. The relatively high percentage of total cost that the assessment carries on low capital cost projects should be noted and considered.
- (3) Assumes funding for the projects can be obtained at an 8% interest rate (compound) over 10 years. $(A/P, 8\%, 10) = 0.1490$ from standard interest tables.
- (4) Based on Grays Harbor county Census Block data with some refinement from observations of air photos/base map. The tract boundaries are difficult to translate to individual project areas, so these evaluations are only approximations. All SR105 Projects assumed to benefit population of entire project area (total # houses = 940).
- (5) If example solutions for Sites K and/or Q are implemented, then costs for improvements at Site X could be split among 940 households, bringing the price for option X-1 down to \$8-\$11 per household annually for 10 years. Likewise, X-2 could decrease to \$5-\$8 per household annually for 10 years.

Following the Example Solution Summary Table are a number of questions related to your preferences for funding of the proposed improvements.

EXAMPLE SOLUTION SUMMARY				
Site ID & Options	Description	Total Cost	Cost per Homeowner per Year (for 10 yrs) (Notes 2 & 3)	# affected homes (4)
ABCE-1	Raise road at A, B, C1, C2, and E	\$40 - 45,000 (1)	\$10 - 13	940
ABCE-2	Clean existing ditch from A to the south. Construct new ditch/culvert system to take runoff from B, C, E north along SR105 and east along Shafter/SR105 to tide gates	\$225 - 240,000 (1)	\$39 - 44	940
I-1	Construct ditch/culvert system throughout Cohasset Dunes area, pump water to the ocean	\$75 - \$80,000	\$565 - 715	25
I-2	Raise roads and several private drives in Cohasset Dunes Area (Property flooding will still occur)	\$60 - 65,000	\$475 - 625	25
K1/K2 - 1	Improve existing intermittent ditch system and construct new channel & culverts where necessary (route water to main drainage channel)	\$12 - 17,000	\$5 - 9	940
K1/K2 - 2	Same as above, but slightly different path to main channel	\$10 - 13,000	\$5 - 8	940
L-1 (a)	Build 2.5' high berm around private property at 233 Chehalis, and install sump pump	\$18 - 22,000	\$2,600 - 3,300 (ULID costs are not applicable)	1
L-1 (b)	Same as above, but also improve channel downstream of property to Cohasset Lake	\$20 - 25,000	\$400 - 650	15
L-1 (c)	Same as (a) and (b), but also improve culverts to Cohasset Lake	\$40 - 45,000	\$600 - 850	15
L-2	Raise house at 233 Chehalis	\$20 - 25,000	\$3,000 - 3,700 (ULID costs are not applicable)	1
Q-1	Construct ditch and culvert system to convey water to main drainage channel	\$22 - 25,000	\$7 - 10	940
Q-2	Raise road at flooding areas	Similar to Alternative ABCE-1		
R-1 (a)	Build 1' high berm around both sides of channel. (Protects properties at 1814 Olympia and neighbor without moving flooding to trailer park)	\$15 - 20,000	\$1,100 - 1,500	2
R-1 (b)	Same as above, but also improve channel downstream of properties to Cohasset Lake	\$20 - 25,000	\$400 - 650	15
R-1 (c)	Same as (a) and (b), but also improve culverts to Cohasset Lake	\$40 - 45,000	\$600 - 850	15
R-2	Raise houses at 1814 Olympia and neighbor	\$30 - 35,000	\$2,700 - 2600 (ULID costs are not applicable)	2
X-1	Clean and re-vegetate Apple Maggot Ditch	\$8 - 10,000	\$420 - 750	10 (5)
X-2	Widen and re-vegetate Apple Maggot Ditch	\$5 - 7,000	\$375 - 700	10 (5)

South Beach Flood Hazard Management Planning Survey

While limited funding for the above projects may be available from state or County sources, most improvements will have to be paid for by property owners. Which of the following methods would you prefer for private funding of these improvements?

- ☐ Costs borne by individual homeowners
- ☐ Costs shared by affected communities or neighborhoods
- ☐ Costs allocated among all South Beach area residents through formation of an areawide drainage district

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to reduce flooding problems on SR 105 to a probability of approximately once in every 10 years?

- | | | |
|-------------------------------|-------------------------------|-------------------------------|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$20 | <input type="checkbox"/> \$40 |
| <input type="checkbox"/> \$10 | <input type="checkbox"/> \$30 | |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to address drainage problems in your neighborhood or immediate area to this level?

- | | | |
|--------------------------------|--------------------------------|---------------------------------|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$300 | <input type="checkbox"/> \$500 |
| <input type="checkbox"/> \$100 | <input type="checkbox"/> \$400 | <input type="checkbox"/> >\$500 |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to provide a similar level of protection for all problem areas identified on the map?

- | | | |
|-------------------------------|-------------------------------|--------------------------------|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$40 | <input type="checkbox"/> \$100 |
| <input type="checkbox"/> \$20 | <input type="checkbox"/> \$80 | |

Using an "X" mark the flooding problem area (from Figure 1) where your house/property is located (if applicable). If a problem area affects your safety or convenience when using a State Highway, please mark the appropriate site with a check mark (✓).

- ☐ ABCE (SR 105 between Shafer Road and Salt Aire Shores)
- ☐ I (Private property in Cohasset Dunes area)
- ☐ K (SE & NW corners of SR105 and Chehalis Street)
- ☐ L (Private property @ 233 Chehalis Street)
- ☐ Q (SR105 between Chehalis Street and Shafer Road)
- ☐ R (Private properties at 1814 Olympia and neighbor)
- ☐ X (Apple Maggot Ditch)

A number of policy solutions have been proposed for the South Beach FHMP. These solutions (listed below) can help reduce future flooding by more closely regulating new development. In what priority order would you rank these proposed policies? Start with the number 1 for the highest priority.

- ☐ Encourage uniform enforcement of regulations that limit floodplain and wetland filling
- ☐ Consider strengthening existing fill limitations, recognizing that this could reduce development potential
- ☐ Coordinate flood hazard planning with land use planning to ensure consistency
- ☐ Identify important drainage channels on County flood maps and protect them from blockage
- ☐ Consider developing voluntary "conservation easements" to protect flood storage areas in their natural state
- ☐ Reevaluate FEMA floodplain boundaries to see whether additional areas should be subject to floodplain regulations
- ☐ Develop flood hazard education programs

Have you attended any of the public meetings related to this project?

☐ Yes

☐ No

Do you feel there has been enough opportunity for you to participate in identifying flooding problems and helping develop solutions?

☐ Not enough opportunity

☐ Too many meetings.

☐ Just about right

Please share any additional comments, questions, or concerns you may have on the flood hazard management planning process.

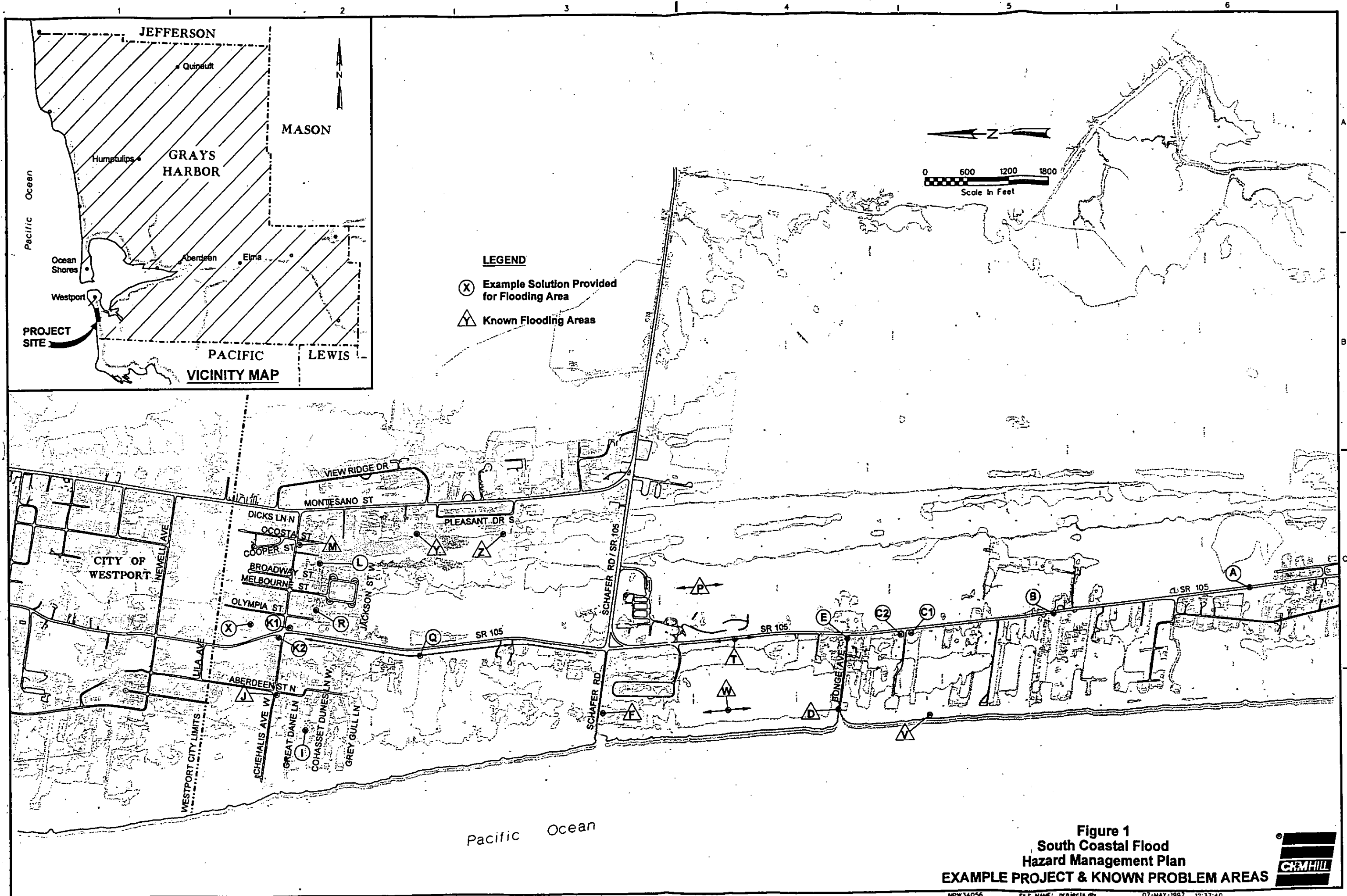
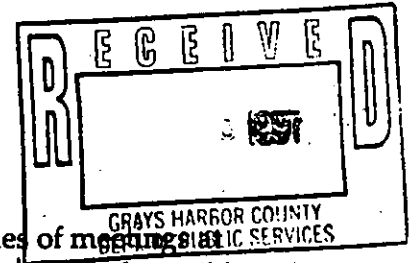


Figure 1
 South Coastal Flood
 Hazard Management Plan
 EXAMPLE PROJECT & KNOWN PROBLEM AREAS



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Thank you for your participation!

MAILED 5/8/97. REC'D 5/10. 6 DAYS ALLOWED FOR RESPONSE INCLUDING MAILING TIME. NOT ENOUGH TIME FOR EVALUATION. THIS RESPONSE IS A REQUEST FOR CLARIFICATION OF VAGUE WORDING. BEFORE DEVELOPING THE DRAFT FHMP PLEASE RESPOND TO THE QUESTIONS OR HAS YOUR DRAFT (TO BE PREPARED 2 WEEKS AFTER THIS SURVEY) ALREADY BEEN COMPLETED?

*Victory Grassl
David Mascarenas 5/14/97*

Victoria Grassl Mascarenas

2

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WHAT IS THE COUNTY'S OBLIGATION?
DO PROPERTY OWNERS RECEIVE A TAX CREDIT?

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4

South Beach Flood Hazard Management Planning Survey

While limited funding for the above projects may be available from state or County sources, most improvements will have to be paid for by property owners. Which of the following methods would you prefer for private funding of these improvements?

- ☐ Costs borne by individual homeowners
- ☐ Costs shared by affected communities or neighborhoods
- ☐ Costs allocated among all South Beach area residents through formation of an areawide drainage district

X COUNTY-WIDE LEVY FOR ALL COUNTY FLOODING
How much funding is available from county and state?

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to reduce flooding problems on SR 105 to a probability of approximately once in every 10 years?

☐ \$0 ☐ \$20 ☐ \$40

☐ \$10 ☐ \$30

SR 105 IS A STATE PROBLEM. WHAT FUNDS DOES THE STATE COMMIT?

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to address drainage problems in your neighborhood or immediate area to this level?

WHAT DOES ADDRESS MEAN? WHAT ACTION?

☐ \$0 ☐ \$300 ☐ \$500

☐ \$100 ☐ \$400 ☐ >\$500

PAYMENT SHOULD BE TO SOLVE PROBLEMS. "ADDRESS" IS MEANINGLESS.
What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to provide a similar level of protection for all problem areas identified on the map?

☐ \$0 ☐ \$40 ☐ \$100

☐ \$20 ☐ \$80

WHY NOT A COUNTY-WIDE LEVY TO ADDRESS ALL COUNTY FLOODING CONTROL?

Using an "X" mark the flooding problem area (from Figure 1) where your house/property is located (if applicable). If a problem area affects your safety or convenience when using a State Highway, please mark the appropriate site with a check mark (✓).

- ☐ ABCE (SR 105 between Shafer Road and Salt Aire Shores)
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- ☐ X (Apple Maggot Ditch)

A number of policy solutions have been proposed for the South Beach FHMP. These solutions (listed below) can help reduce future flooding by more closely regulating new development. In what priority order would you rank these proposed policies? Start with the number 1 for the highest priority.

- 1 ~~Encourage uniform enforcement of~~ **ENFORCE** regulations that limit floodplain and wetland filling
- 1 ~~Consider strengthening~~ **STRENGTHEN** existing fill limitations, recognizing that this could reduce development potential
- 2 Coordinate flood hazard planning with land use planning to ensure consistency
- 3 Identify important drainage channels on County flood maps and protect ~~them from blockage~~ **CLEAR**
- 4 ~~Consider developing~~ **ESTABLISH** voluntary "conservation easements" to protect flood storage areas in their natural state
- 5 ~~Reevaluate~~ **ESTABLISH** FEMA floodplain boundaries to see whether additional areas should be subject to floodplain regulations
- 6 ~~Develop~~ **IMPLEMENT** flood hazard education programs
- 1 **POST NOTICES OF ALL PROPOSED NEW DEVELOPMENT FOR CITIZEN INPUT.**

(USE ACTION WORDS FOR PERFORMANCE MEASUREMENT!)

6

Have you attended any of the public meetings related to this project?

☒ Yes

☐ No

Do you feel there has been enough opportunity for you to participate in identifying flooding problems and helping develop solutions?

☒ Not enough opportunity

☐ Too many meetings

☐ Just about right

Please share any additional comments, questions, or concerns you may have on the flood hazard management planning process.

COUNTY OFFICIALS DO NOT APPEAR TO
BE INTERESTED IN FLOODING PROBLEMS.
THEY HAVE NOT ATTENDED ANY OF THE
PUBLIC MEETINGS REGARDING THIS AREA.

Using an "X" mark the flooding problem area (from Figure 1) where your house/property is located (if applicable). If a problem area affects your safety or convenience when using a State Highway, please mark the appropriate site with a check mark (✓).

- ☐ ABCE (SR 105 between Shafer Road and Salt Aire Shores)
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A number of policy solutions have been proposed for the South Beach FHMP. These solutions (listed below) can help reduce future flooding by more closely regulating new development. In what priority order would you rank these proposed policies? Start with the number 1 for the highest priority.

- 2 Encourage uniform enforcement of regulations that limit floodplain and wetland filling
- 1 Consider strengthening existing fill limitations, recognizing that this could reduce development potential
- 5 Coordinate flood hazard planning with land use planning to ensure consistency
- 3 Identify important drainage channels on County flood maps and protect them from blockage
- 4 Consider developing voluntary "conservation easements" to protect flood storage areas in their natural state
- 6 Reevaluate FEMA floodplain boundaries to see whether additional areas should be subject to floodplain regulations
- 7 Develop flood hazard education programs

I hope you can add these comments
to your survey. I just returned from a
vacation. Thor Laurentsen

South Beach Flood Hazard Management Planning Survey

While limited funding for the above projects may be available from state or County sources, most improvements will have to be paid for by property owners. Which of the following methods would you prefer for private funding of these improvements?

- ☐ Costs borne by individual homeowners
- ☐ Costs shared by affected communities or neighborhoods
- ☒ Costs allocated among all South Beach area residents through formation of an areawide drainage district

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to reduce flooding problems on SR 105 to a probability of approximately once in every 10 years?

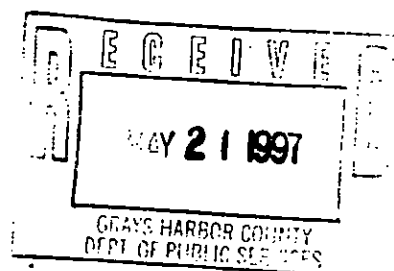
- | | | |
|--|-------------------------------|-------------------------------|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$20 | <input type="checkbox"/> \$40 |
| <input checked="" type="checkbox"/> \$10 | <input type="checkbox"/> \$30 | |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to address drainage problems in your neighborhood or immediate area to this level?

- | | | |
|--------------------------------|---|---------------------------------|
| <input type="checkbox"/> \$0 | <input checked="" type="checkbox"/> \$300 | <input type="checkbox"/> \$500 |
| <input type="checkbox"/> \$100 | <input type="checkbox"/> \$400 | <input type="checkbox"/> >\$500 |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to provide a similar level of protection for all problem areas identified on the map?

- | | | |
|-------------------------------|-------------------------------|---|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$40 | <input checked="" type="checkbox"/> \$100 |
| <input type="checkbox"/> \$20 | <input type="checkbox"/> \$80 | |



Have you attended any of the public meetings related to this project?

☒ Yes

☐ No

Do you feel there has been enough opportunity for you to participate in identifying flooding problems and helping develop solutions?

☐ Not enough opportunity

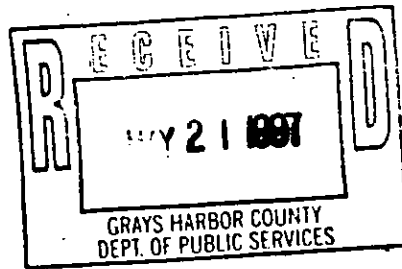
☐ Too many meetings

☒ Just about right

Please share any additional comments, questions, or concerns you may have on the flood hazard management planning process.

I believe the county has the need & obligation to control development in this sensitive area by strictly adhering to its own regulations regarding land fills. It does no good to have stringent land fill controls if a developer fills an area without a permit, then gets an after the fact permit and pays a small penalty for his infraction.

I also believe landowners and real estate agents should be obligated to inform prospective lot buyers that their lots may not be fillable and may therefore be flooded a good part of the year.



Paul & Susan Kennedy
10712 SE 30th St.
Beaux Arts, Wa. 98004
May 17, 1997

Lee Hansmann,


This letter is in response to the flooding problems in the South Beach area. Our legal property address is: Tax 51, Gov. Lot 4, Sec. 13, TWN. 16 N., Range 12 W.W.M. Westport, Wa. 98595. At this time there is no structure on the property.

Our concern is about the proposed ditch/culvert system throughout the Cohasset Dunes area, and pumping water to the ocean. Our concern is erosion to the beach and the environmental impact such a system might have.

We purchased our property in June of 1995 and until very recently were unaware that this problem existed. Unfortunately we were unable to attend the March 26, 1997 meeting. We definitely don't feel there has been the opportunity for us to fully understand the extent of the flooding problem or obtain enough knowledge to identify a solution to the flooding problem.

We did not participate in the survey at this time as we feel we have too many unanswered questions. We understand there will be a meeting on June 12, 1997 which we plan to attend. We are concerned about this situation and want to be notified of any meetings or action that will be forth coming.

Sincerely,


Paul Kennedy
Susan Kennedy



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- ☒ \$0 ☐ \$20 ☐ \$40
- ☐ \$10 ☐ \$30

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- ☒ \$0 ☐ \$300 ☐ \$500
- ☐ \$100 ☐ \$400 ☐ >\$500

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to provide a similar level of protection for all problem areas identified on the map?

- ☒ \$0 ☐ \$40 ☐ \$100
- ☐ \$20 ☐ \$80

Using an "X" mark the flooding problem area (from Figure 1) where your house/property is located (if applicable). If a problem area affects your safety or convenience when using a State Highway, please mark the appropriate site with a check mark (✓).

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- ☐ X (Apple Maggot Ditch)

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- 3 ~~8~~ Encourage uniform enforcement of regulations that limit floodplain and wetland filling
- 1 Consider strengthening existing fill limitations, recognizing that this could reduce development potential
- 5 Coordinate flood hazard planning with land use planning to ensure consistency
- 4 ~~3~~ Identify important drainage channels on County flood maps and protect them from blockage
- 6 ~~4~~ Consider developing voluntary "conservation easements" to protect flood storage areas in their natural state
- 2 Reevaluate FEMA floodplain boundaries to see whether additional areas should be subject to floodplain regulations
- 7 Develop flood hazard education programs

Have you attended any of the public meetings related to this project?

☒ Yes

☐ No

Do you feel there has been enough opportunity for you to participate in identifying flooding problems and helping develop solutions?

☐ Not enough opportunity

☐ Too many meetings

☒ Just about right

Please share any additional comments, questions, or concerns you may have on the flood hazard management planning process.

Too many property owners are filling wetlands at the expense of their neighbor's property.

Make a survey of the area in section including an aerial photo

Some owners built in the wrong places without knowing flood problems - Sellers of properties should be liable.

As many meetings attended - officials were basically not aware of extent of flooded areas.

One other thing not associated with flooding - Why has the county allowed so many illegal fences along 105 Westport T to Grayland?
(AUED)

Additional Comments:

The area between the barrier dune and the secondary dune from Twin harbors Park access and Westport city limits is flooded in the winter and much of that land is designated as wetland. Still, Grays Harbor County issues permits to fill those wetlands for access roads to the barrier dune. This blocks the natural flow of water and causes more flooding.

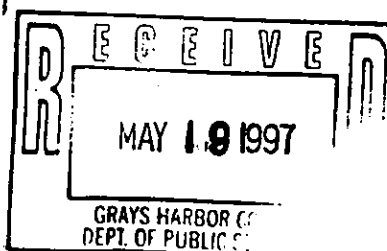
It appears that whomever is responsible for inspecting work done after the permit is issued has neglected to insure that proper procedures were followed.

Unless the County enforces it's own regulations, the only result will be continuing and serious problems for the future which will cost the taxpayer much more money than simple inspections at the onset! Let your building inspector take a trip along Spur 105 from Westport south to the Pacific County line, regulations in hand, and he or she will notice all kinds of violations which go on unchecked.

There are so-called "drainage" ditches on both sides of Spur 105, but they don't drain anything. There are no culverts under many driveways and some that are there have been abandoned so the water simply backs up onto personal property.

Meetings don't solve problems. Practical solutions and assurance that regulations imposed by the County are met do.

EXAMPLE SOLUTION SUMMARY				
Site ID & Options	Description	Total Cost	Cost per Homeowner per Year (for 10 yrs) (Notes 2 & 3)	# affected homes (4)
ABCE-1	Raise road at A, B, C1, C2, and E	\$40 - 45,000 (1)	\$10 - 13	940
ABCE-2	Clean existing ditch from A to the south. Construct new ditch/culvert system to take runoff from B, C, E north along SR105 and east along Shafter/SR105 to tide gates	\$225 - 240,000 (1)	\$39 - 44	940
I-1	Construct ditch/culvert system throughout Cohasset Dunes area, pump water to the ocean	\$75 - \$80,000	\$565 - 715	25
I-2	Raise roads and several private drives in Cohasset Dunes Area (Property flooding will still occur)	\$60 - 65,000	\$475 - 625	25
K1/K2 - 1	Improve existing intermittent ditch system and construct new channel & culverts where necessary (route water to main drainage channel)	\$12 - 17,000	\$5 - 9	940
K1/K2 - 2	Same as above, but slightly different path to main channel	\$10 - 13,000	\$5 - 8	940
L-1 (a)	Build 2.5' high berm around private property at 233 Chehalis, and install sump pump	\$18 - 22,000	\$2,600 - 3,300 (ULID costs are not applicable)	1
L-1 (b)	Same as above, but also improve channel downstream of property to Cohasset Lake	\$20 - 25,000	\$400 - 650	15
L-1 (c)	Same as (a) and (b), but also improve culverts to Cohasset Lake	\$40 - 45,000	\$600 - 850	15
L-2	Raise house at 233 Chehalis	\$20 - 25,000	\$3,000 - 3,700 (ULID costs are not applicable)	1
Q-1	Construct ditch and culvert system to convey water to main drainage channel	\$22 - 25,000	\$7 - 10	940
Q-2	Raise road at flooding areas	Similar to Alternative ABCE-1		
R-1 (a)	Build 1' high berm around both sides of channel. (Protects properties at 1814 Olympia and neighbor without moving flooding to trailer park)	\$15 - 20,000	\$1,100 - 1,500	2
R-1 (b)	Same as above, but also improve channel downstream of properties to Cohasset Lake	\$20 - 25,000	\$400 - 650	15
R-1 (c)	Same as (a) and (b), but also improve culverts to Cohasset Lake	\$40 - 45,000	\$600 - 850	15
R-2	Raise houses at 1814 Olympia and neighbor	\$30 - 35,000	\$2,700 - 2600 (ULID costs are not applicable)	2
X-1	Clean and re-vegetate Apple Maggot Ditch	\$8 - 10,000	\$420 - 750	10 (5)
X-2	Widen and re-vegetate Apple Maggot Ditch	\$5 - 7,000	\$375 - 700	10 (5)



South Beach Flood Hazard Management Planning Survey

While limited funding for the above projects may be available from state or County sources, most improvements will have to be paid for by property owners. Which of the following methods would you prefer for private funding of these improvements?

- ☐ Costs borne by individual homeowners
- ☒ Costs shared by affected communities or neighborhoods
- ☒ Costs allocated among all South Beach area residents through formation of an areawide drainage district

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to reduce flooding problems on SR 105 to a probability of approximately once in every 10 years?

- | | | |
|--|-------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> \$0 | <input type="checkbox"/> \$20 | <input type="checkbox"/> \$40 |
| <input checked="" type="checkbox"/> \$10 | <input type="checkbox"/> \$30 | |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to address drainage problems in your neighborhood or immediate area to this level?

- | | | |
|---|--------------------------------|---------------------------------|
| <input checked="" type="checkbox"/> \$0 | <input type="checkbox"/> \$300 | <input type="checkbox"/> \$500 |
| <input type="checkbox"/> \$100 | <input type="checkbox"/> \$400 | <input type="checkbox"/> >\$500 |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to provide a similar level of protection for all problem areas identified on the map?

- | | | |
|---|-------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> \$0 | <input type="checkbox"/> \$40 | <input type="checkbox"/> \$100 |
| <input type="checkbox"/> \$20 | <input type="checkbox"/> \$80 | |

Using an "X" mark the flooding problem area (from Figure 1) where your house/property is located (if applicable). If a problem area affects your safety or convenience when using a State Highway, please mark the appropriate site with a check mark (✓).

- ☒ ABCE (SR 105 between Shafer Road and Salt Aire Shores)
- ☐ I (Private property in Cohasset Dunes area)
- ☐ K (SE & NW corners of SR105 and Chehalis Street)
- ☐ L (Private property @ 233 Chehalis Street)
- ☐ Q (SR105 between Chehalis Street and Shafer Road)
- ☐ R (Private properties at 1814 Olympia and neighbor)
- ☐ X (Apple Maggot Ditch)

A number of policy solutions have been proposed for the South Beach FHMP. These solutions (listed below) can help reduce future flooding by more closely regulating new development. In what priority order would you rank these proposed policies? Start with the number 1 for the highest priority.

- ☐ 1 Encourage uniform enforcement of regulations that limit floodplain and wetland filling
- ☐ Consider strengthening existing fill limitations, recognizing that this could reduce development potential
- ☐ 1 Coordinate flood hazard planning with land use planning to ensure consistency
- ☐ 1 Identify important drainage channels on County flood maps and protect them from blockage
- ☐ 1 Consider developing voluntary "conservation easements" to protect flood storage areas in their natural state
- ☐ Reevaluate FEMA floodplain boundaries to see whether additional areas should be subject to floodplain regulations
- ☐ 1 Develop flood hazard education programs

Have you attended any of the public meetings related to this project?

- ☒ Yes
☐ No

Do you feel there has been enough opportunity for you to participate in identifying flooding problems and helping develop solutions?

- ☐ Not enough opportunity
☐ Too many meetings
☐ Just about right

Please share any additional comments, questions, or concerns you may have on the flood hazard management planning process.

South Beach Flood Hazard Management Planning Survey

While limited funding for the above projects may be available from state or County sources, most improvements will have to be paid for by property owners. Which of the following methods would you prefer for private funding of these improvements?

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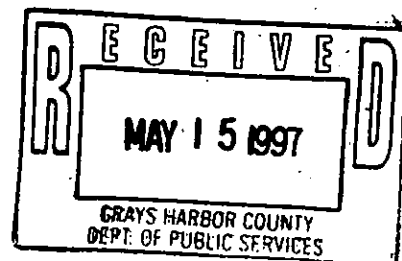
- | | | |
|--|--|-------------------------------|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$20 | <input type="checkbox"/> \$40 |
| <input checked="" type="checkbox"/> \$10 | <input checked="" type="checkbox"/> \$30 | |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to address drainage problems in your neighborhood or immediate area to this level?

- | | | |
|--|--------------------------------|---------------------------------|
| <input checked="" type="checkbox"/> \$0.50 | <input type="checkbox"/> \$300 | <input type="checkbox"/> \$500 |
| <input type="checkbox"/> \$100 | <input type="checkbox"/> \$400 | <input type="checkbox"/> >\$500 |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to provide a similar level of protection for all problem areas identified on the map?

- | | | |
|---|-------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> \$0 | <input type="checkbox"/> \$40 | <input type="checkbox"/> \$100 |
| <input type="checkbox"/> \$20 | <input type="checkbox"/> \$80 | |



Using an "X" mark the flooding problem area (from Figure 1) where your house/property is located (if applicable). If a problem area affects your safety or convenience when using a State Highway, please mark the appropriate site with a check mark (✓).

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- 3 Reevaluate FEMA floodplain boundaries to see whether additional areas should be subject to floodplain regulations
- 7 Develop flood hazard education programs

Have you attended any of the public meetings related to this project?

☒ Yes

☐ No

Do you feel there has been enough opportunity for you to participate in identifying flooding problems and helping develop solutions?

☒ Not enough opportunity

☐ Too many meetings

☐ Just about right

Please share any additional comments, questions, or concerns you may have on the flood hazard management planning process.

South Beach Flood Hazard Management Planning Survey

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- | | | |
|-------------------------------|-------------------------------|--|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$20 | <input checked="" type="checkbox"/> \$40 |
| <input type="checkbox"/> \$10 | <input type="checkbox"/> \$30 | |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to address drainage problems in your neighborhood or immediate area to this level?

- | | | |
|---|--------------------------------|---------------------------------|
| <input checked="" type="checkbox"/> \$0 | <input type="checkbox"/> \$300 | <input type="checkbox"/> \$500 |
| <input type="checkbox"/> \$100 | <input type="checkbox"/> \$400 | <input type="checkbox"/> >\$500 |

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- | | | |
|-------------------------------|--|--------------------------------|
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| <input type="checkbox"/> \$20 | <input type="checkbox"/> \$80 | |

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- ☒ 6 Reevaluate FEMA floodplain boundaries to see whether additional areas should be subject to floodplain regulations
- ☐ 7 Develop flood hazard education programs

Have you attended any of the public meetings related to this project?

☒ Yes

☐ No

Do you feel there has been enough opportunity for you to participate in identifying flooding problems and helping develop solutions?

☒ Not enough opportunity

☐ Too many meetings

☐ Just about right

I ONLY ATTENDED ONE, WISH I
HAD ATTENDED MORE

Please share any additional comments, questions, or concerns you may have on the flood hazard management planning process.

IN THIS DOCUMENT YOU DID NOT ADDRESS TIMOTHY LANE. PART OF WHICH WAS PROPOSED BY THE ENG. FIRM HAS BEEN ACCOMPLISHED. (THE WESTERLY DRAINAGE TO THE OCEAN) I WAS DOWN IN OCT. OF LAST YEAR AND DID NOT HELP OVERALL LATER DURING THE HEAVY RAINS

AS WE ARE A SEA LEVEL AND HAVE VERY LITTLE ELEVATION TO WORK WITH I DO NOT FEEL THAT ENOUGH THOUGHT HAS BEEN GIVEN TO PUMPS. THE LAST HEAVY RAINS IN FEB. I EXPERIMENTED WITH PUMPING OUR OUR FLOODED AREA ON ROBBY LN. AND FOUND THAT IT WORKED QUITE WELL.

I REALLY FEEL THAT MUCH THAT HAS BEEN PROPOSED ARE BAND AIDS AND THAT WE WILL STILL HAVE OUR PROBLEM WITH THE DRAINAGE - AND MORE SO AS OUR POPULATION INCREASES -

J. D. STEWART

P.O. Box C

WESTPORT WA

98595 (360) 267-4721

South Beach Flood Hazard Management Planning Survey

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- | | | |
|-------------------------------|-------------------------------|--|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$20 | <input checked="" type="checkbox"/> \$40 |
| <input type="checkbox"/> \$10 | <input type="checkbox"/> \$30 | |

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- | | | |
|---|--------------------------------|---------------------------------|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$300 | <input type="checkbox"/> \$500 |
| <input checked="" type="checkbox"/> \$100 | <input type="checkbox"/> \$400 | <input type="checkbox"/> >\$500 |

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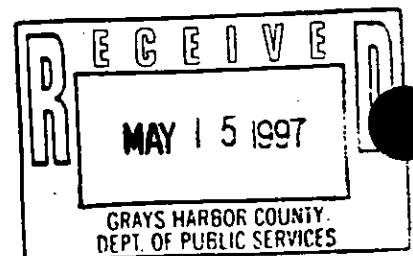
- | | | |
|-------------------------------|--|--------------------------------|
| <input type="checkbox"/> \$0 | <input checked="" type="checkbox"/> \$40 | <input type="checkbox"/> \$100 |
| <input type="checkbox"/> \$20 | <input type="checkbox"/> \$80 | |

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☒ Yes
☐ No

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☐ Not enough opportunity
☐ Too many meetings
☒ Just about right

Please share any additional comments, questions, or concerns you may have on the flood hazard management planning process.

I attended the last two meetings in Westport.

At the last meeting on March 26th, Westport's Public Works Director, Fred Chapman, stated that the main drainage channel was already at full capacity and they could not handle any more water. In order to implement some of your proposed solutions, we need to find another way of draining the water from the flooded areas we want to fix.

Also, I am opposed to raising any of the highways to solve the flooding. We must find another way because raising the highway only displaces the water to the properties on either side of the roads. Where does the water drain to? It will only impact the land of the property owners adjacent to the roads.

What Are Your Priorities for South Beach Flood Hazard Management Planning?

We want your feedback...

Over the last several months, Grays Harbor County has held a series of meetings at Westport City Hall to discuss flooding problems in the South Beach area and possible ways to alleviate some of the problems. Many residents turned out for the meetings and identified a number of flooding problems and related issues. Everyone who attended one of the meetings has been sent this flyer, which is also available by request from the County.

With your input from the meetings, the County is currently preparing a Flood Hazard Management Plan (FHMP) for the South Beach area, funded in part by a grant from the Washington State Department of Ecology. As part of that planning process, solutions to flooding problems are being identified and prioritized. At the last public meeting on March 26, a number of example solutions were presented, including both engineering options (such as creation or improvement of drainage channels) and policy options (such as the limitation of filling in flood plains and wetlands). The plan adopted by the County will include both types of options.

Based on what we know now, the County has prepared a list of engineering and policy solutions for potential funding. The survey following the project descriptions lists these solutions and includes a number of questions on your preferences and priorities for preferred solutions, funding options, and the overall flood hazard management planning process. The results will be used in developing the draft FHMP, which will be mailed to you around the end of May.

We need your feedback to ensure that the solutions and priorities accurately reflect your concerns. Please provide your comments **by May 16, 1997**, to Lee Hansmann at the Grays Harbor County Department of Public Works (1-800-230-1638), or mail them to P.O. Box 511, Montesano, WA 98563-0511.

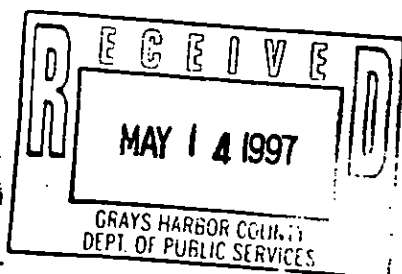
Thank you for your participation!

~~Please~~

Please Contact

Fred Cole (425) 888-2641 Home
(206) 684-2511 WORK DAYS

about concerns and ideas
that I would like to
discuss pertaining to Flood
Control in "Y" + "Z" areas
Thank you Fred



South Beach Flood Hazard Management Planning Survey

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- ☐ Costs borne by individual homeowners
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- ☒ Costs allocated among all South Beach area residents through formation of an areawide drainage district

☒ *state, county + federal assistance to help*

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to reduce flooding problems on SR 105 to a probability of approximately once in every 10 years?

- | | | |
|--|-------------------------------|--|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$20 | <input checked="" type="checkbox"/> \$40 |
| <input checked="" type="checkbox"/> \$10 | <input type="checkbox"/> \$30 | |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to address drainage problems in your neighborhood or immediate area to this level?

- | | | |
|---|--------------------------------|---------------------------------|
| <input type="checkbox"/> \$0 | <input type="checkbox"/> \$300 | <input type="checkbox"/> \$500 |
| <input checked="" type="checkbox"/> \$100 | <input type="checkbox"/> \$400 | <input type="checkbox"/> >\$500 |

What would you be willing to pay each year for 10 years (payments end completely after this 10-year period) to provide a similar level of protection for all problem areas identified on the map?

- | | | |
|-------------------------------|--|--------------------------------|
| <input type="checkbox"/> \$0 | <input checked="" type="checkbox"/> \$40 | <input type="checkbox"/> \$100 |
| <input type="checkbox"/> \$20 | <input type="checkbox"/> \$80 | |

Using an "X" mark the flooding problem area (from Figure 1) where your house/property is located (if applicable). If a problem area affects your safety or convenience when using a State Highway, please mark the appropriate site with a check mark (✓).

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☐ Q (SR105 between Chehalis Street and Shafer Road)

☐ R (Private properties at 1814 Olympia and neighbor)

☐ X (Apple Maggot Ditch)

☒ Y+Z - PLEASANT DR. S, FLOODS - 3 ACRES EVERY YEA

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Have you attended any of the public meetings related to this project?

☒ Yes

☐ No

Do you feel there has been enough opportunity for you to participate in identifying flooding problems and helping develop solutions?

☒ Not enough opportunity

☐ Too many meetings

☐ Just about right

Please share any additional comments, questions, or concerns you may have on the flood hazard management planning process.

I own property (2 acres) - on Pleasant Dr. S.
Between "Y" + "Z" (on Fig 1) my entire
acreage Floods every year and is worse
because the Culvert at or near "Y" Fig 1
is too small and we have not been
allowed to put in a larger one even
though the County was aware for some
time about illegal Filling on adjacent
property. We have to do something here
immediately as a 16 in Culvert is only
1/3 the size needed to remove the water.
please Contact me (Fred Cole) 2245 Pleasant
Dr. S. 2245 Pleasant

360-684-2511 weekdays
11 11