

Stinson Beach Flood Protection and Watershed Program Survey



Results!



This is an important survey sponsored by the County of Marin to gather input on possible solutions to creek flooding. The Marin County Department of Public Works and our technical work group partners invite you to comment on the alternatives considered in the Stinson Beach Watershed Program Flood Study. The study describes multiple alternatives and input from the community is required to determine how we proceed. The alternatives provide a range of benefits for increased flood protection, sediment reduction, emergency access, and improved habitat for the creek and surrounding areas in Stinson Beach. We encourage every adult in the household to fill out a survey. The survey can also be accessed online and additional printed copies can be mailed to you, if necessary.

Please return the survey by February 14, 2014. Thank you for your time. The online survey and its results will be posted to www.marinwatersheds.org and presented at a community meeting in the spring. Please [sign up online](#) for email updates on the Stinson Beach Watershed Program.

1. What are your concerns about flooding from Easkoot Creek? (Check all that apply)

- 9.4% My home floods periodically
- 49.8% Roads floods periodically
- 3.3% My rental floods periodically
- 51.1% Concern for my neighbors
- 42.0% Concerns for local business
- 26.1% I don't have flood concerns
- Other:

2. Are you aware of the County's Watershed Program for Stinson Beach?

- 53.8% Yes
- 46.2% No

3. How did you find out about the Watershed Program?

- 25.9% Website
- 26.6% Neighbor
- 54.4% Community Meeting
- Other:

4. Where do you live in the watershed?

- 35.6% Hillside above Shoreline Highway
- 34.6% Calles and Patios or elsewhere below Shoreline Highway
- 29.8% Seadrift

5. Do you own property in Stinson Beach?

- 95.9% Yes
- 4.1% No

6. Have you raised your home to be above the FEMA base flood elevation?

- 21.7% Yes
- 78.3% No

7. Are you a registered voter in Stinson Beach?

- 48.7% Yes
- 51.3% No

318 surveys received
between January
and April 2014.

Thank you for your
participation.

Stinson Beach Flood Protection and Watershed Program

8. The Stinson Beach Flood Study evaluated 10 alternatives. (A [slideshow overview is available online](#). Details about each are in the *Stinson Beach Watershed Program Flood Study and Alternatives Assessment*). Estimated costs for each project are shown in the table.

Would you rank your top 3 projects? (Number 1 should represent the highest ranking project)

- 15.09% No project
- 27.02% Increase the level of annual creek maintenance (*vegetation and limited sediment removal including the new sediment basin behind the Parkside Café*)
- 0.35% Raise bridges (*Privately owned bridges are the responsibility of landowners.*)
- 15.79% Sediment removal (dredge) of the creek bed from Arenal to Calle del Arroyo
- 4.91% Create new wetlands and bypass storm flows through the National Park Service's north parking lot
- 8.07% Wetland enhancement near the former Poison Lake and bypass storm flows near the National Park Service's south parking lot (dirt)
- 1.40% Build a new causeway over Bolinas Lagoon to improve access; no flood reduction benefits
- 0.35% Raise Calle del Arroyo for access; no flood reduction benefits
- 22.81% Combination of creek dredge from Arenal to Calle del Arroyo with the wetland creation and bypass to the NPS south parking lot
- 4.21% Elevate residential homes to FEMA base flood elevation (*Privately owned homes are the responsibility of landowners.*)

9. What are your concerns about the potential project(s)? Check all that apply.

- 80.80% Cost
- 50% Environmental impacts
- 32.61% Aesthetics
- 47.83% Maintenance
- Other:

10. Funding would be needed to implement any proposed project to reduce flooding from Easkoot Creek, increase the safety of people, homes and businesses in the Stinson watershed, improve emergency access, and restore creek and wetland habitat. What is the maximum annual fee you would support to fund this work? (Fees are typically collected via property taxes.)

- 32.1% \$250
- 16.4% \$300
- 17.2% \$400
- 9.2% \$800
- 25.2% Or \$0?
- Other amount:

Note: A minimum of \$250/parcel is required to implement an annual creek maintenance program that consists of vegetation trimming and sediment removal from the designated sediment basin behind the Parkside plus spot dredging at six bridges. Approximately \$300-600/parcel is needed over a 20 year period to conduct two dredge cycles of the creek bed from Arenal to Arroyo.

11. Any additional thoughts or comments?

12. Would you like us to follow up with a phone call or email to answer additional questions?

- Yes. (Please leave your information below or call Chris Choo at 473.7586)
- No

Name (thank you for printing legibly):

Phone Number or email:

Projected change in flooding based on the December 2005 flows under the various alternatives.

Alternative	# of Flooded Buildings	# of Buildings No Longer Flooded	Estimated Cost (Must add permits and real estate)
Base condition (based on the 2005 flood)	24		
1 No project	32	-8	\$0
Increase level of annual creek maintenance			\$100,000 annually
2 Raise bridges	13	11	\$4-5 million
3 Remove vegetation to improve creek capacity	24	0	N/A
4 Sediment removal (dredge) from Arenal to Calle del Arroyo	6	18	\$1.5-2.5 million
5 Wetland creation and bypass to the National Park Service's north parking lot	13	11	\$1-2 million
6 Wetland enhancement (near Poison Lake) and bypass to the National Park Service's south parking lot	13	11	\$1-2 million
7 Build a causeway over Bolinas Lagoon	23	1	\$3-4 million
8 Raise Calle del Arroyo	22	2	\$1-2 million
9 Combination creek dredge and wetland enhancement near Poison Lake with south bypass	0	24	\$3.5-4.5 million
10 Elevate homes	24	0	\$50-100,000 per home

