

G. OTHER

- 1. FEMA Presentation ; FEMA Kenai River Flood Map Update**

KENAI PENINSULA BOROUGH, AK

Flood Map Update

- Kenai Peninsula Borough – Planning Commission Meeting – June 12, 2023
- Kenai Peninsula Borough – Assembly Meeting – June 20, 2023

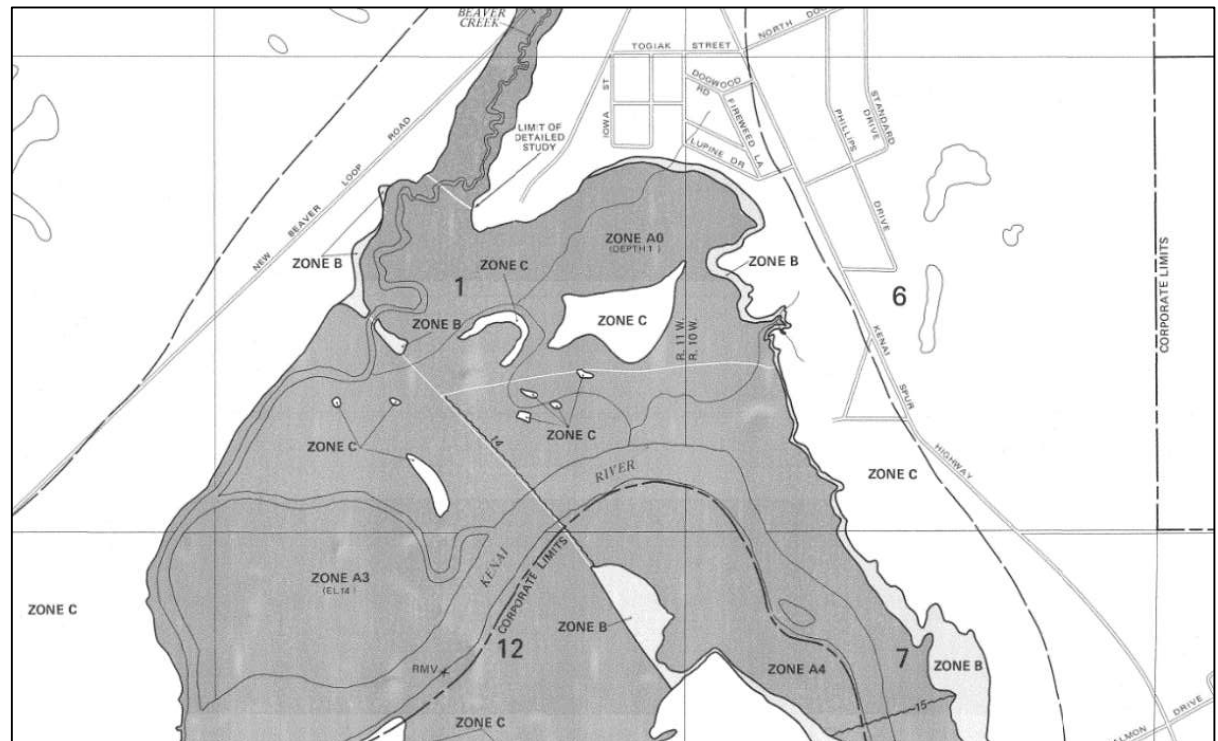


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WHY ARE THE FLOOD MAPS CHANGING?

Flooding is the most costly and deadly natural hazard in the U.S.

- 1 Flood risk changes over time.
- 2 New data is released and technology improves.
- 3 Policies and national priorities are updated.



(sample) Kenai Peninsula Borough Paper Flood Insurance Rate Map, developed in 1981

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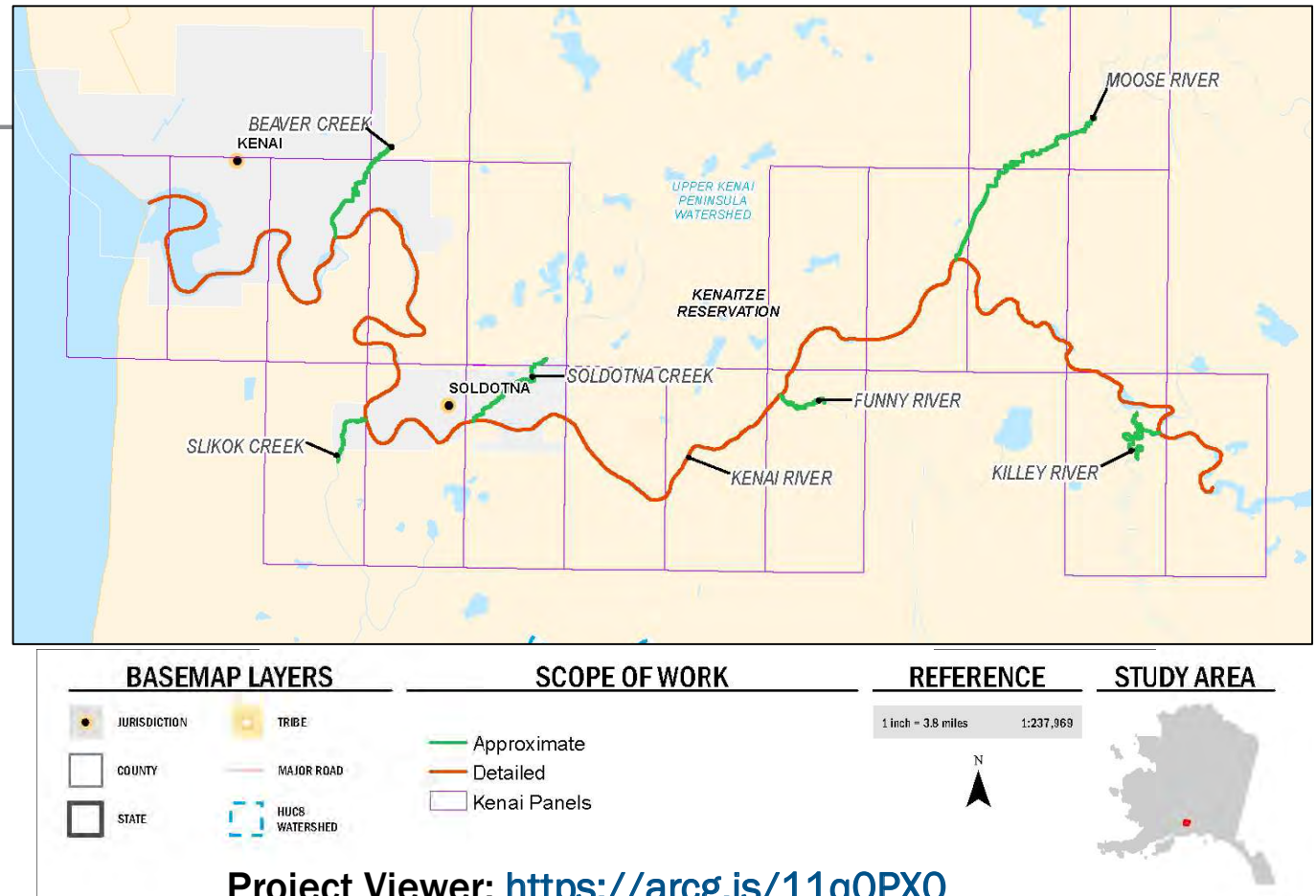


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SCOPE OF WORK

This study covered:

- Detailed streams.
 - Kenai River (47.3 mi.)
- Approximate streams.
 - Beaver Creek (3.3 mi.)
 - Funny River (1.7 mi.)
 - Killey River (2.7 mi.)
 - Moose River (6.0 mi.)
 - Slikok Creek (1.8 mi.)
 - Soldotna Creek (3.1 mi.)



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WHAT ARE THE BENEFITS OF FLOOD MAPS?



**Identify and
Assess
Flood Risk**



**Establish Flood
Insurance
Purchase
Requirements**



**Support
Local Land Use
& Floodplain
Management**



**Inform Engineers
and Developers**



**Equip Emergency
Managers**



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WHAT IS THE NFIP?

The National Flood Insurance Program (NFIP) aims to reduce the impact of flooding by:

- Reducing disaster costs.
- Reducing loss of life and property.
- Providing insurance to property owners, renters, and businesses.
- Supporting community adoption and enforcement of floodplain management regulations.

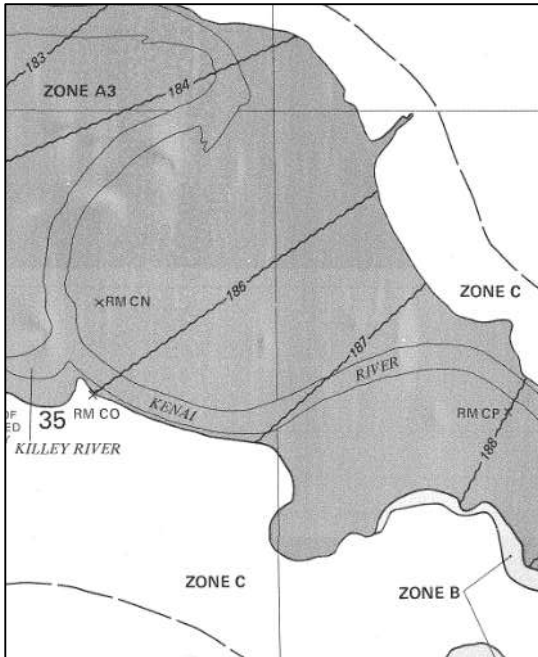


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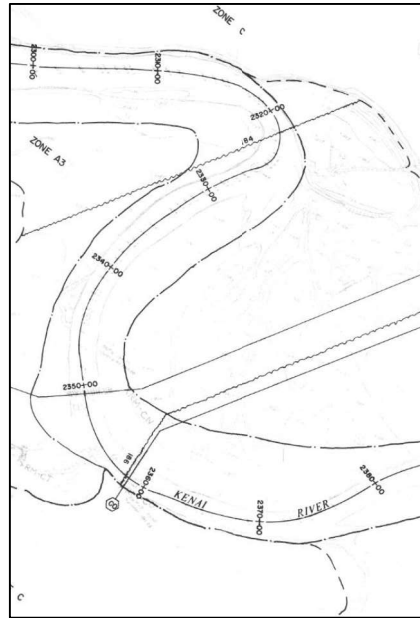
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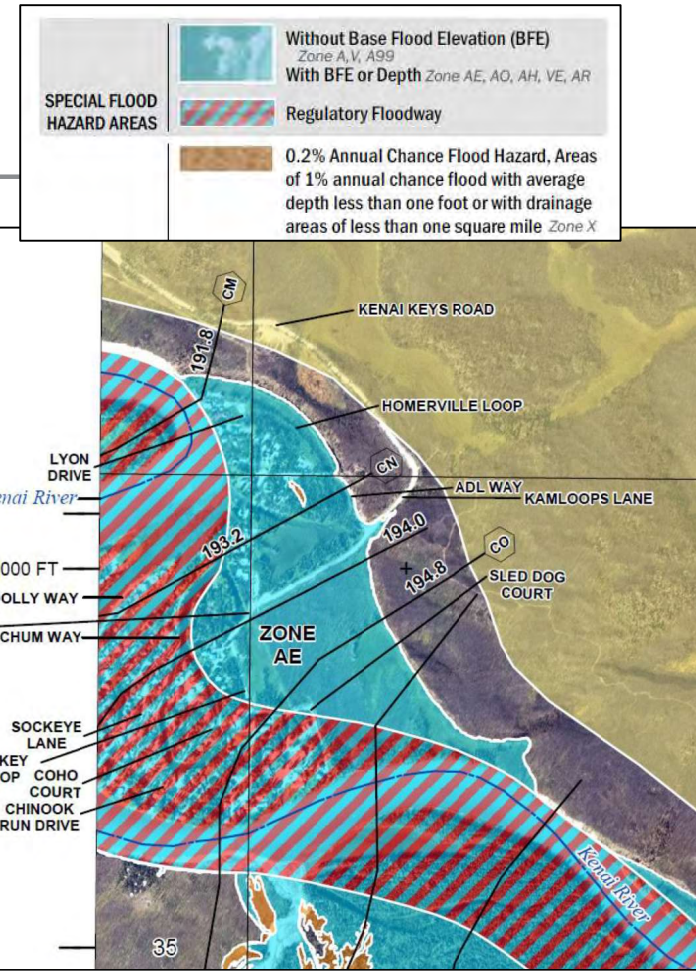
EFFECTIVE TO PRELIMINARY MAP EXAMPLES



Sample Effective Map (1981)



Sample Effective Floodway Boundary Map (1981)



Preliminary Flood Map (2023)

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ESTIMATED PROPERTY IMPACTS

Effective vs. Preliminary: Estimated Impacts Within the Special Flood Hazard Area (SFHA)

INDIVIDUAL STRUCTURES:					
JURISDICTION	STRUCTURE COUNT (STUDY AREA)	REMAINS OUTSIDE SFHA	REMAINS IN SFHA	ADDED TO SFHA	REMOVED FROM SFHA
Kenai, City of	159	147	3	4	5
Soldotna, City of	234	171	3	2	58
Kenai Peninsula Borough, Unincorporated Areas of	1,793	759	766	161	107
Total	2,186	1,077	772	167	170

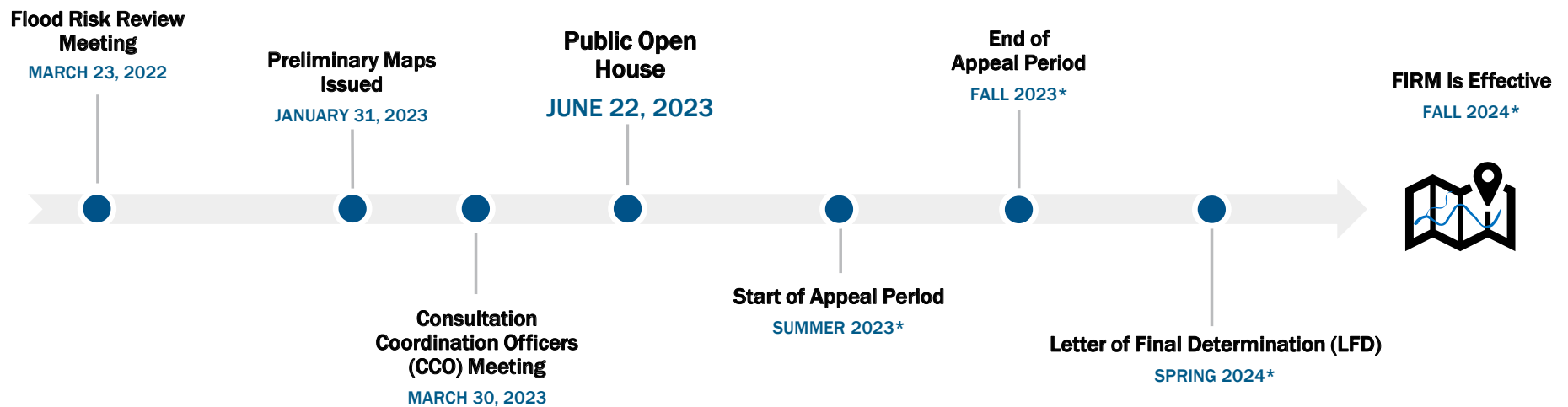
TOTAL COUNTS:						
JURISDICTION	STRUCTURE COUNT (STUDY AREA)	IN SFHA (EFFECTIVE)	OUT SFHA (EFFECTIVE)	IN SFHA (PRELIMINARY)	OUT SFHA (PRELIMINARY)	NET CHANGE
Kenai, City of	159	8	151	7	152	-1
Soldotna, City of	234	61	173	5	229	-56
Kenai Peninsula Borough, Unincorporated Areas of	1,793	873	920	927	866	54
Total	2,186	942	1,244	939	1,247	-3



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TIMELINE TO EFFECTIVE MAPS

Once FEMA issues the Letter of Final Determination (LFD), communities have six months to update their regulations. They must adopt the study before the data become effective. *If they do not, they can be suspended from the NFIP.*



* All projected dates may change as the project progresses.



PUBLIC OPEN HOUSE

PROPERTY ID and DIGITAL MAPPING

- Provides property owners with a map of their property and explains the flood zone and risks on or near it.

FLOOD STUDY/ENGINEERING

- Explains the methodology, data, and technical analysis details of the study.
- Discusses the comments and appeals process.

FLOODPLAIN REGULATIONS

- Describes the NFIP and building requirements and restrictions.

FLOOD INSURANCE

- Details insurance policy options and rating methods.

Thursday, June 22
5:30-7:30 p.m.
Donald E. Gilman River Center
514 Funny River Road

KENAI PENINSULA BOROUGH FLOOD RISK OPEN HOUSE RESOURCE TABLES



PROPERTY IDENTIFICATION AND DIGITAL MAPPING / PROPERTY LOOKUP

At the Property Identification and Digital Mapping station we offer by-request printing of maps which show individual properties and the flood zone. These maps can help you to determine if you're in a flood zone or floodway and what the risks are on, or near, your property. You can take that map to the other stations to get more detail on specifics about your property.



FLOOD INSURANCE / INSURANCE INFORMATION

The Flood Insurance table is your go-to resource to speak with insurance specialists. You can find out if your property must have flood insurance, how insurance can benefit you, what the insurance rate structures are in your zone, and how you can get the lowest rate.



FLOOD STUDY AND ENGINEERING / ENGINEERING STUDY

At the Flood Study and Engineering station you can speak with experts about the flood mapping process. You can also learn how Special Flood Hazard Areas (SFHAs) are determined, ask about your property and designated flood zone, and learn what to do if you think your house is outside of the SFHA.



FEMA FLOODPLAIN REGULATIONS

Visit the FEMA Floodplain Regulations station to learn about building requirements and restrictions in your flood zone or floodway. This will help you stay in compliance with the National Flood Insurance Program.



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SUBMITTAL OF APPEALS AND COMMENTS

Appeals:

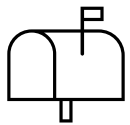
- Technical information or data that result in further analysis and a major change to the preliminary map.

Comments:

- Other information that does not result in a major map change.

Procedure:

- Submit to the community (preferred) to forward on to FEMA
or
- directly to the FEMA Regional Service Center via mail or email (RSC10@STARR-team.com).



FEMA Region 10 Service Center
20700 44th Ave W, Suite 130
Lynnwood, WA 98036

Please also consider a cc to:

- Dale Meck, dale.meck@fema.dhs.gov (FEMA Project Monitor)
- Matt Witosky, matt.witosky@stantec.com (STARR II Project Manager)

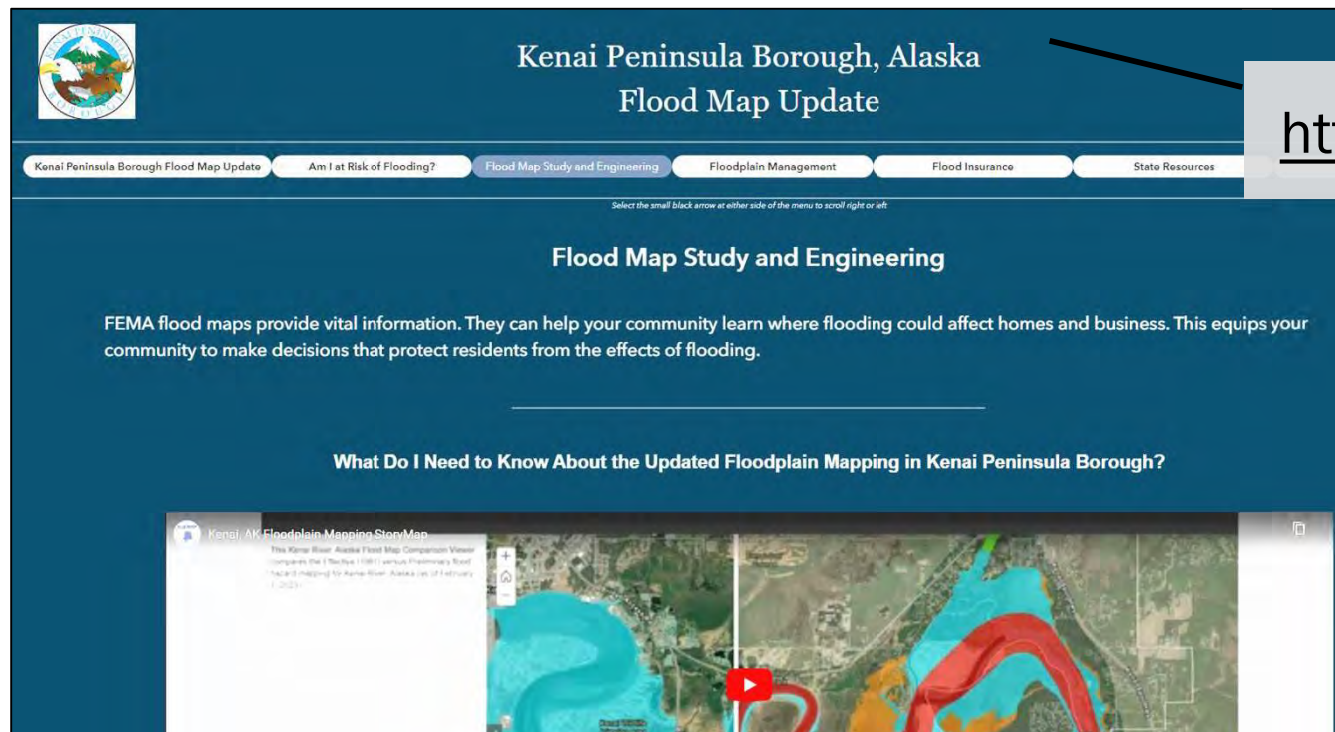


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VIRTUAL RESOURCE - FLOOD MAP UPDATE SITE (“STORY MAP”)



<https://arcg.is/1yzGbq>



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STORY MAP FEATURES

- 1 View, download or request a personalized map of your property or land.
- 2 Visit the Flood Study/Engineering tab to learn more about the science behind the map update.
- 3 Learn more about flood insurance and contact a specialist to talk about your policy options.
- 4 Learn more about the NFIP and local floodplain regulations.
- 5 Find contact information for the person or team that can best answer your flood map and NFIP questions.



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THANK YOU!



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