FLOODPLAIN MANAGEMENT IN NEW MEXICO





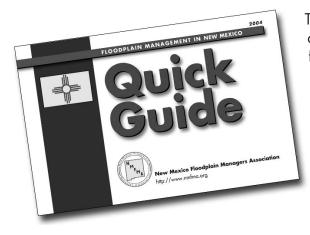


New Mexico Floodplain Managers Association http://www.nmfma.org

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About This Guide



This **Quick Guide** will help you understand more about why and how communities in the State of New Mexico manage floodplains to protect people and property. Flood-prone communities adopt ordinances that detail the rules and requirements. In case of conflict, that ordinance and not <u>this publication, must be followed.</u> If you have questions, be sure to talk with your local planning, permit, engineering or floodplain management office.

Questions and comments on the **Quick Guide** can be directed to the New Mexico Floodplain Managers Association (NMFMA) at <u>http://www.nmfma.org</u>.

Prepared by



www.rcquinnconsulting.com



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Introduction

The New Mexico Floodplain Managers Association is pleased to provide this **Quick Guide** to help our citizens understand what floodplain management is and why we regulate floodplain development.

Counties and local communities regulate the floodplain to:

- Protect people and property
- Ensure that Federal flood insurance and disaster assistance are available
- **Save** tax dollars
- Reduce future flood losses

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Floods have been, and continue to be, a very destructive natural disaster in terms of economic loss to the citizens of New Mexico. More than 10% of the state's land area is subject to flooding. Most flood-prone New Mexicans don't have flood insurance.

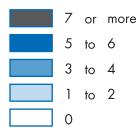
New Mexico Floodplain Facts

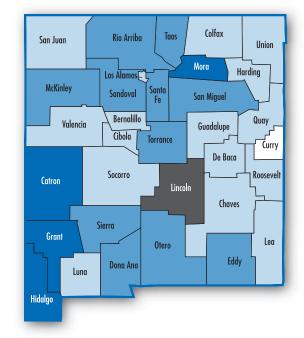
State of New Mexico

Presidential Disaster Declarations

Number of Declarations

By County (1965-2003)



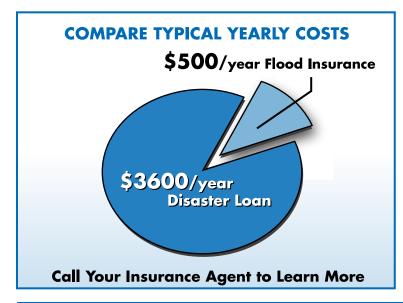


- New Mexico's most significant natural hazards are flood, wildfire, drought and winter storms.
- Flood-prone areas have been identified in most counties, cities and towns, although floodplain maps have not been prepared for many waterways.
- In the 1990's, seven deaths were caused by floods.
- Thousands of buildings and structures are flood-prone.

Not all flood events are declared major disasters. Many floods are local, affecting only small areas or a few watersheds.

Flood Insurance: Property Owner's Best Protection

Who needs flood insurance? Every homeowner, business owner, and renter in New Mexico communities that participate in the National Flood Insurance Program (NFIP) may purchase a flood insurance policy — regardless of the location of the building. Federal disaster grants do not cover most losses and repayment of a disaster loan can cost many times more than the price of a flood insurance policy.



Unfortunately, it's often after a flood that many people discover that their homeowner or business property insurance policies do not cover flood damages. Approximately 25% of all flood damages occur in low risk zones, commonly described as being "outside the mapped flood zone."

The New Mexico Floodplain Managers Association urges **YOU** to protect your financial future by getting a flood insurance policy. To purchase a policy, call your insurance agent. To get the name of an agent in your community, call the NFIP's toll free number, 1-888-356-6329.

Turn Around Don't Drown™

Follow these safety rules:

- When flooding is expected, stay away from creeks, streams, rivers, arroyos, dips, low spots, canyons, washes, etc.
- NEVER drive through flooded roads they may be washed out.
- Passenger cars may float in only 18-24 inches of water.
- Be especially cautious at night when it is harder to recognize dangers.
- Just six inches of fast-moving water can knock you off your feet.



Why Do We Regulate the Floodplain?

- **To protect people and property.** Floodplain management is about building smart. It makes good sense. If we know part of our land will flood from time to time, we should make reasonable decisions to help protect our families, homes, and businesses.
- To make sure that federal flood insurance and disaster assistance are available. If your home or business is in the floodplain, and federal flood insurance isn't available, then you can't get some types of federal financial assistance. Home mortgages will be hard to find, and you won't be able to get some types of state and federal loans and grants.
- **To save tax dollars.** Every flood disaster affects your community's budget. If we build smarter, we'll have fewer problems the next time the water rises. Remember, federal disaster assistance isn't available for all floods. And even when the President declares a disaster, your community still has to pay a portion of the costs of evacuation, temporary housing, repair, and clean-up.
- To avoid liability and law suits. If we know an area is mapped as floodplain and likely to flood, if we know people could be in danger, and if we know that buildings could be damaged, it makes sense to take reasonable protective steps when we develop and build.
- To reduce future flood losses in New Mexico. State legislation was amended in 2003 to require all counties and municipalities with designated flood-prone areas to participate in the National Flood Insurance Program and to designate a state-certified floodplain manager.

Community Responsibilities

To participate in the National Flood Insurance Program, your community agrees to:

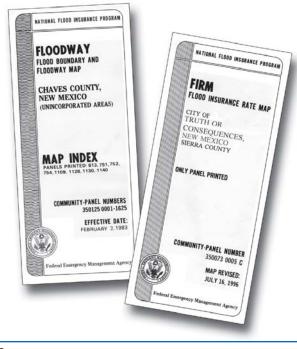
- Adopt and enforce a flood damage prevention ordinance
- **Require** permits for all types of development in the floodplain (see page 18)
- Assure that building sites are reasonably safe from flooding
- **Estimate** flood elevations that were not determined by FEMA
- Require new or improved homes and manufactured homes to be elevated above the Base Flood Elevation (BFE)
- **Require** other buildings to be elevated or floodproofed
- **Conduct** field inspections and cite violations
- Require Elevation Certificates to document compliance (see pages 27 and 28)
- Carefully consider requests for variances
- Resolve non-compliance and violations
- Advise FEMA when updates to flood maps are needed



NATIONAL FLOOD INSURANCE PROGRAM

Looking for Floodplain Information?

Enter the FEMA Flood Map Store at <u>http://www.fema.gov</u>. Digital scans of flood maps can be downloaded or hardcopy maps can be ordered. Reach the Map Store by calling (800) 358-9616.



- FEMA prepares Flood Insurance Studies and **Flood Insurance Rate Maps** (FIRMs) for communities in New Mexico.
- Most FIRMs show Special Flood Hazard Areas and floodways. Some FIRMs show floodplains delineated using approximation analyses (see page 16).
- Not all waterways and arroyos have designated floodplains – but all waterways will flood, even though a floodplain study may not have been prepared.

Need a fast answer? Visit your community's planning, engineering, or permit office where flood maps are available for viewing by the public.

FIRMette: Flood Maps On-Line



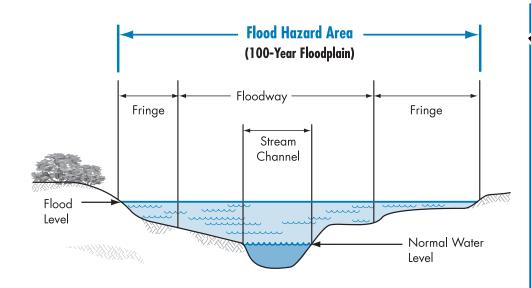
You can order paper maps or digital maps on CD-ROM.

Use FEMA's on-line tools to view and print clips from Flood Insurance Rate Maps for almost any place in the country. Go to <u>http://www.fema.gov</u> and click on the "FEMA Flood Map Store" (left menu). Follow these steps:

- Click on the "Catalog" button in the top menu bar,
- 2 Click on "FEMA issued flood maps" on the left menu,
- Select your state, county, and community and then choose "Find FEMA issued flood maps," and

Click on the green dot of the map panel you want and follow the FIRMette instructions. Your local planning, engineering or permit office may be able to tell you which map panel covers your area of interest.

Understanding the Riverine Floodplain



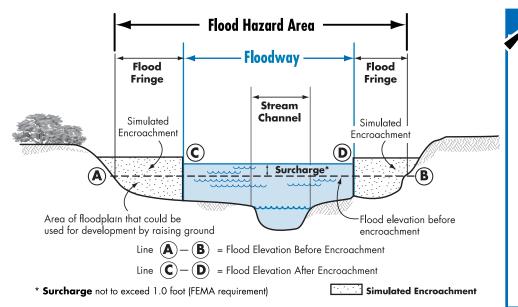
Definitions

The **Special Flood Hazard Area (SFHA)** is that portion of the floodplain subject to inundation by the base flood and/or flood-related erosion hazards. SFHAs are shown on FHBMs or FIRMs as Zones A, AE, A1-A30, AH, AO, and AR.

See page 11 to learn about the floodway, the area of the floodplain where floodwaters usually flow faster and deeper.

For floodplains with Base Flood Elevations, check the Flood Insurance Study to find the Flood Profile which shows water surface elevations for different frequency floods (see page 15).

Understanding the Floodway



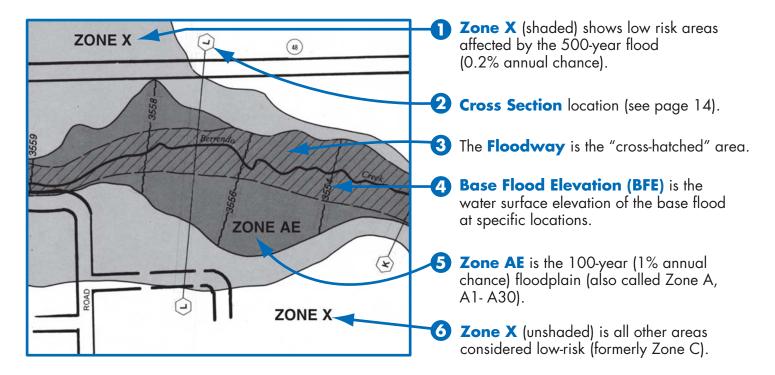
Definitions

The **Floodway** is the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to pass the base flood discharge without increasing flood depths.

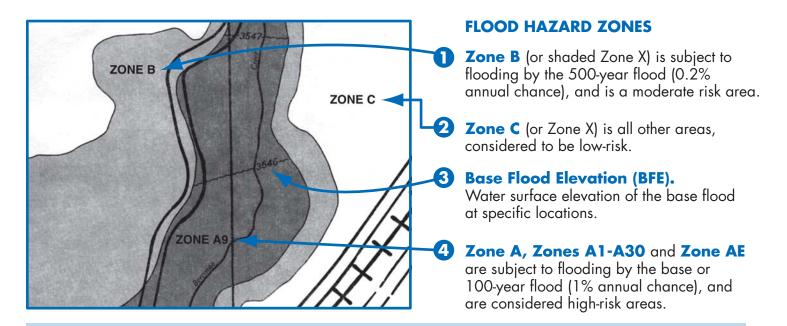
Computer models of the floodplain are used to simulate "encroachment" or fill in the flood fringe in order to predict where and how much the base flood elevation would increase if the floodplain is allowed to be filled.

For any proposed floodway development, before a local floodplain permit can be issued, the applicant must provide evidence that "no rise" will occur (see page 31). You will need a qualified engineer to make sure your proposed project won't increase flooding on other properties.

New Format Flood Insurance Rate Map

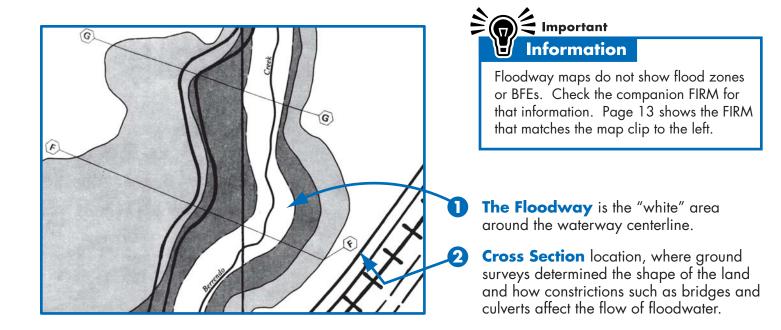


The Flood Insurance Rate Map



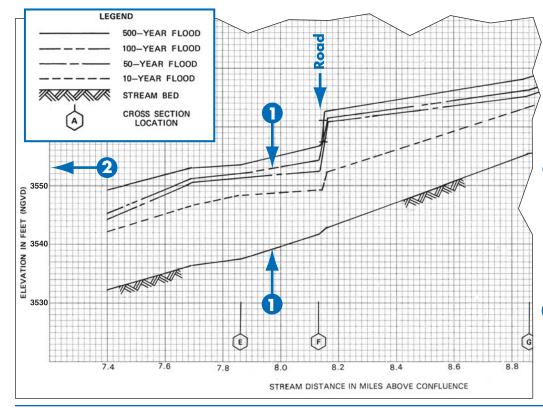
FEMA prepares Flood Insurance Rate Maps (FIRMs) to show areas that are at high risk of flooding after intense or major storms. Most FIRMs show the flood elevation (how high the water may rise), called the Base Flood Elevation.

The Flood Boundary and Floodway Map



FEMA prepares Floodway maps as companions to many FIRMs. You should check to see if your project will be in the Floodway because additional engineering may be required (see page 31).

Use the Riverine Flood Profile to Determine BFEs



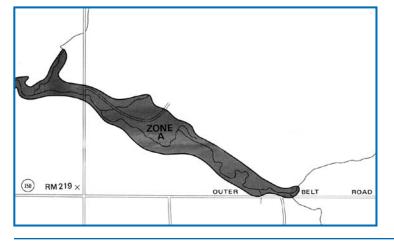
Flood profiles can be used to determine the BFE at a specific site. Profiles also show estimated water surface elevations for floods other than the 100-year flood.

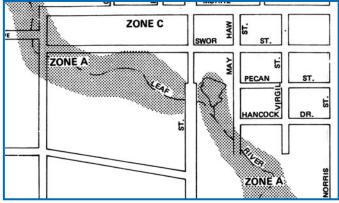
On the effective flood map, locate your site by measuring the distance, along the center line of the stream channel, from a road or cross section, for example, (E) or (F).

2 Scale that distance on the Flood Profile and read up to the profile of interest, then across to determine the elevation.

Approximate Flood Zones and Unnumbered A Zones

Topographic maps can be used to estimate the Base Flood Elevation if the FIRM shows approximate or unnumbered A Zones.





If you need help determining the BFE, check with your community's planning, engineering, or permit office.

FEMA publication *Managing Floodplain Development in Approximate Zone A Areas* (FEMA 265) is useful for engineers.

Flood Map Revisions Issued by FEMA

- 1. Letter of Map Amendment (LOMA) is an official amendment to an effective FIRM that may be issued when a property owner provides additional technical information from an engineer, such as ground elevation relative to the BFE, SFHA, and the building. Lenders may waive the flood insurance requirement if the LOMA documents indicate that a building is on ground above the mapped floodplain.
- 2. Letter of Map Revision (LOMR) is an official revision to an effective FIRM that may be issued to change flood insurance risk zones, floodplain and floodway boundary delineations, BFEs and/or other map features. Lenders may waive the insurance requirement if the approved map revision shows buildings to be outside of the SFHA.
- 3. Letter of Map Revision Based on Fill (LOMR-F) is an official revision to an effective FIRM that is issued to document FEMA's determination that a structure or parcel of land has been elevated by fill above the BFE, and therefore is no longer in the SFHA. Lenders may waive the insurance requirement if the LOMR-F shows that a building on fill is above the BFE.
- 4. Physical Map Revision (LOMR PMR) may be issued for major floodplain changes that require engineering analyses, such as bridges, culverts, channel changes, flood control measures, and large fills that change the BFE or Floodway. Physical map revisions are also issued when a new study updates or improves the FIRM.



Check FEMA's Flood Hazard Mapping Web Site for more information about map revisions concerning Homeowners



and Engineers/ Surveyors.



www.fema.gov/fhm

Requests for map revisions must be coordinated through your community.

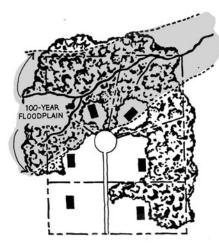
Activities Requiring Permits Include:

- Constructing new buildings
- Additions to existing buildings
- Substantially improving existing buildings
- Placing manufactured (mobile) homes
- Subdivision of land
- Temporary buildings and accessory structures.
- Agricultural buildings
- Parking or storage of recreational vehicles
- Storing materials, including gas/liquid tanks
- Roads, bridges, and culverts
- Fill, grading, excavation, mining, and dredging
- Altering stream channels



YOU NEED PERMITS FOR ALL OF THESE ACTIVITIES.

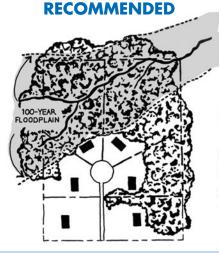
Safe Uses of the Floodplain

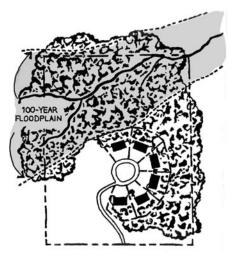


All land subdivided into lots, some homesites and lots partially or entirely in the floodplain.

NOT RECOMMENDED

All land subdivided into lots, some lots partially in the floodplain, setbacks modified to keep homesites on high ground.

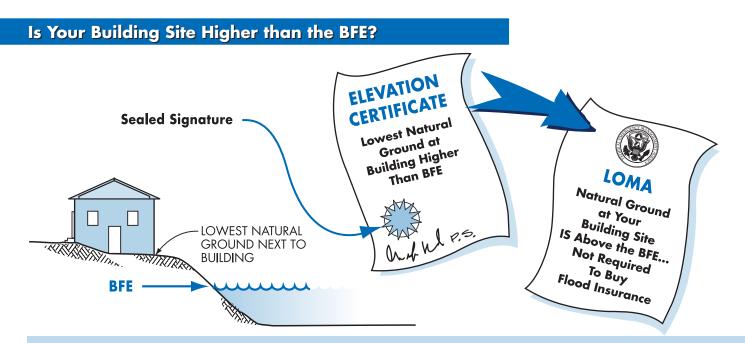




Floodplain land put into public/ common open space, net density remains, lot sizes reduced and setbacks modified to keep homesites on high ground.

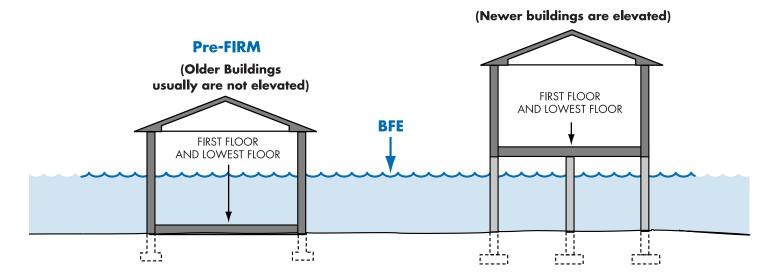
RECOMMENDED

Let the floodplain do its job – if possible, keep it natural open space. Other low damage uses: recreational areas, playgrounds, reforestation, parking, gardens, pasture, accessory structures, created wetlands.



If your land is shown on the map as "in" the floodplain, but your building site is higher than the Base Flood Elevation (BFE)... get a surveyor or engineer to complete a FEMA Elevation Certificate (EC). Submit the EC with an application to FEMA and a Letter of Map Amendment may be issued (page 17). This is the **ONLY** way to remove the requirement to buy flood insurance. Keep the certificate with your deed, it will help future buyers.

What is Meant by Pre-FIRM and Post-FIRM?

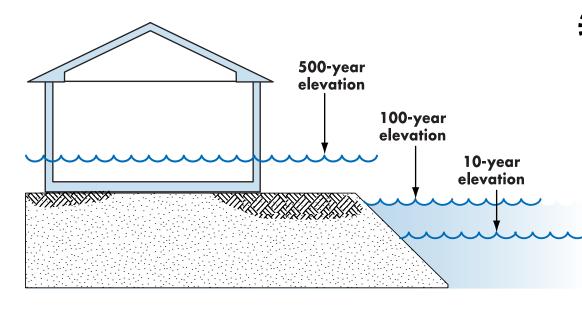


A building is **Pre-FIRM** if it was built **before** the date of your community's first FIRM. If built **after** that date, a building is **Post-FIRM**.

Improvements or repairs to Pre-FIRM buildings may require permits (see pages 42 and 43).

Post-FIRM

Nature Doesn't Read Maps

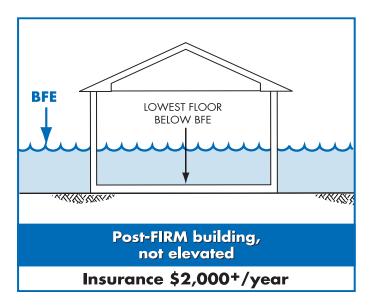




Many people don't understand just how risky the floodplain can be. There is a 26% chance that a non-elevated home in the floodplain will be damaged during a 30-year mortgage period. The chance that a major fire will occur during the same period is only 1%!

CAUTION! Nature doesn't read the flood map! Major storms and flash floods can cause flooding that rises higher than the 100-year elevation (BFE). Consider safety – protect your home or business by building higher. See page 26 to see how this will save you money on insurance.

Think Carefully Before You Seek A Variance



Very specific conditions must be satisfied to justify a variance:

- Good and sufficient cause
- Unique site conditions
- Individual non-economic hardship
- If in the floodway, no increase in flood level

A variance that allows construction below the BFE does <u>not</u> waive your lender's flood insurance requirement. Flood insurance will be <u>very</u> expensive – perhaps more than \$2,000 per year (see page 26)!

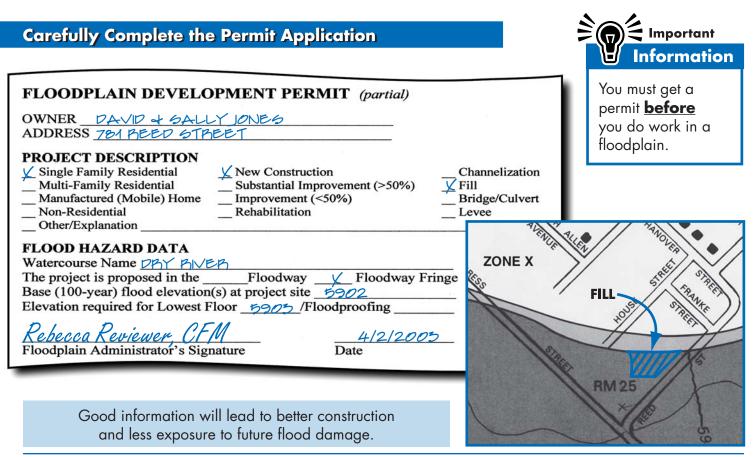
Think carefully about seeking a variance to build below the Base Flood Elevation. Not only will your property be more likely to get damaged, but insurance will be very costly. If your community has a pattern of inconsistent variances, sanctions can be imposed – costing you even more!

Some Key Permit Review Steps

The Permit Reviewer has to Check Many Things. Some of the Key Questions are:

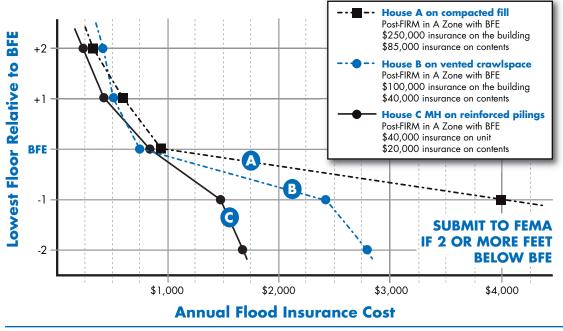
- Is the site in the mapped floodplain?
- Is the site in the mapped floodway?
- Have other state and federal permits been obtained?
- Is the site reasonably safe from flooding?
- Does the site plan show the Base Flood Elevation?
- Is substantial improvement of an older building proposed?
- Is an addition proposed?
- Will new buildings and utilities be elevated properly?
- Will manufactured homes be properly elevated and anchored?
- Do the plans show an appropriate and safe foundation?
- Has the owner submitted an Elevation Certificate?





Freeboard: Go the Extra Foot!

Want to save some money and have peace of mind at the same time? Then add Freeboard to build higher than the minimum elevation requirement! Freeboard is a factor of safety, usually one or two feet above the BFE.





NOTE: Flood insurance rates and various fees change from time to time. Rather than specific costs for insurance, this figure gives a feel for how much difference just a foot or two can make.

Building owners will save insurance money if they elevate above the BFE. But more impressive is how the cost of insurance can more than double if the building is only one foot below the BFE.

Remember!

The community may be able to grant a variance, but the owner will probably still be required to buy insurance. Imagine trying to sell a house if the bank requires insurance that costs over \$2,000 a year!

What is the Elevation Certificate and How is it Used?

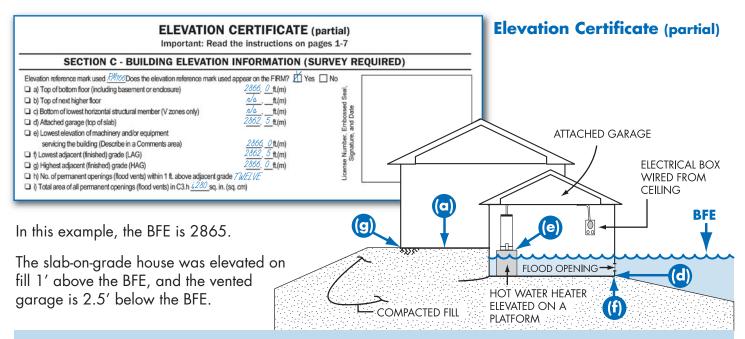
- The Elevation Certificate (EC) is a FEMA form. Go to http://www.fema.gov/library/ and search on "Elevation Certificate."
- The EC must be completed and sealed by a registered surveyor or engineer when the floodplain has BFEs.
- A community official may complete the EC for sites in approximate flood zones.
- It can be used to show that sites are natural ground above the Base Flood Elevation (see page 20).
- It is used to verify that buildings are elevated properly (see page 29).
- Insurance agents use the EC to write flood insurance policies.

By itself, the EC <u>cannot</u> be used to waive the requirement to get flood insurance. See page 17 to learn about Letters of Map Amendment.

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NEW MEXICO QUICK GUIDE

Completing the Elevation Certificate



You will get a blank Elevation Certificate form when you get your permit. You **must** have a surveyor or engineer fill it out and seal it. The Elevation Certificate includes diagrams for eight building types. Several points must be surveyed.

Paperwork is Important – for You and Your Community

Terms and Definitions

Lowest Floor means the lowest floor of the lowest enclosed area (including basement). An unfinished or flood resistant enclosure (that is not a basement) is not the lowest floor if the enclosure is built as required in the local ordinance (see page 36), which includes limited uses.

COMPACTED FILL OR OTHER FLEVATION METHOD

> If you get a permit to build in the floodplain, you will be given an Elevation Certificate form. As soon as your lowest floor is set, get the form filled out and sealed by a surveyor or engineer. This form is important!

It proves that you built correctly, and it can be used to get the lowest cost flood insurance.

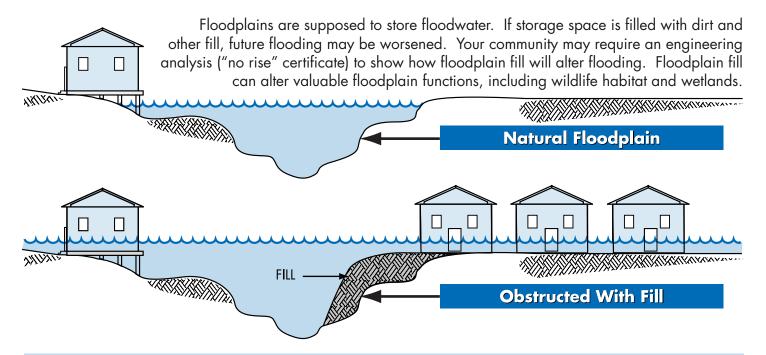
IN P.D.

ELEVATION

CERTIFICATE

Lowest Floor At or Above

Floodplain Fill Can Make Things Worse



Make sure your floodplain fill project won't harm your neighbors. Floodway fill is allowed **only** if an engineering evaluation demonstrates that "no-rise" in flood level will occur (see page 31).

Required Floodway "No Rise" Certification

- Floodways can be dangerous because water may flow very fast
- Development is not allowed unless "no rise" in flood levels is certified
- An engineer must evaluate the hydraulic impact of proposed development

ENGINEERING "NO-RISE" CERTIFICATION (*example*)



This is to certify that I am a duly qualified engineer licensed to practice in the State of New Mexico. It is to further certify that the attached technical data supports the fact that the proposed **(Name of Development)** will not impact the Base Flood Elevations (100-year flood), floodway elevations

and the floodway widths on (Name of Stream).

Signature

Seal

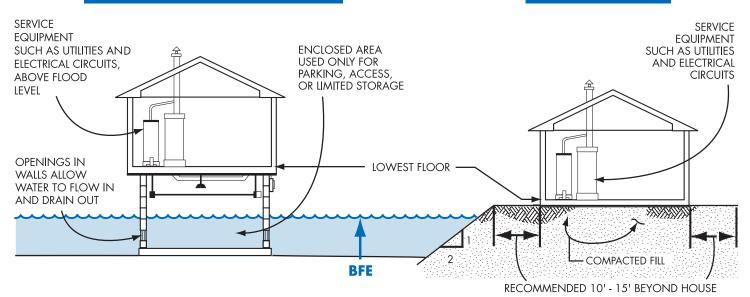
- A "no rise" certification is required and must be signed, sealed, and dated by a registered professional engineer
- Check with your community for guidance **before** you decide to work in a floodway

The engineering analysis must be based on technical data obtained from FEMA. Save time and money – don't build in the floodway!

How to Elevate Your Floodplain Building

Elevate on Foundation Walls

Elevate on Fill

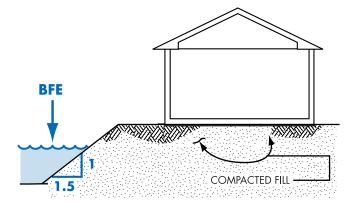


CAUTION! Enclosures (including crawlspaces) have some special requirements, see pages 36 and 37. Note: When the walking surface of the lowest floor is at the minimum elevation, under-floor utilities are not allowed. Fill used to elevate buildings must be placed properly (see page 33).

Compaction of Floodplain Fill

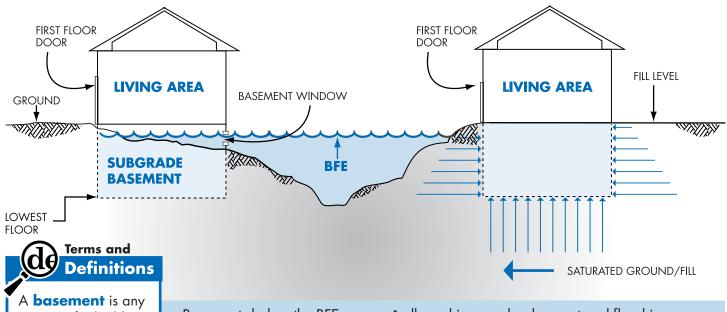
Earthen fill used to raise the ground above the flood elevation must be placed properly so that it does not erode or slump when water rises. For safety and to meet floodplain requirements, floodplain fill should:

- Be good clean soil, free of large rocks, construction debris, and woody material (stumps, roots).
- Be machine compacted to 95 percent of the maximum density (determined by design professional).
- Have graded side slopes that are not steeper than 1:1.5 (one foot vertical rise for every 1.5 feet horizontal extent); flatter slopes are recommended.
- Have slopes protected against erosion (vegetation for "low" velocities, durable materials for "high" velocities – determined by design professional).



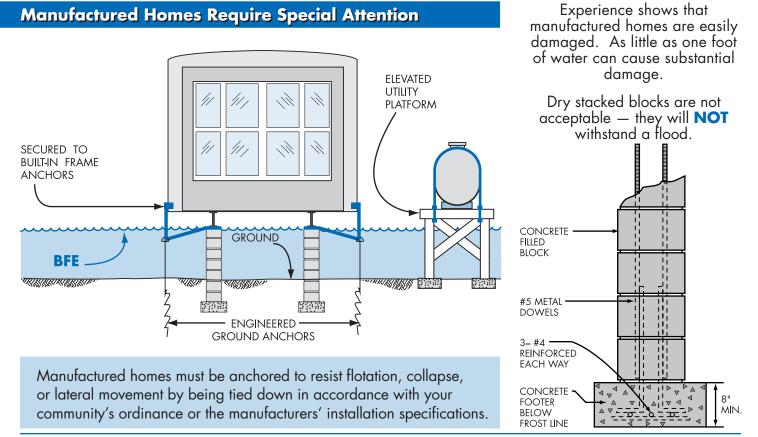
Your community may ask for certification of the elevation, compaction, slope, and slope protection materials. Your engineer or design professional can find more information in FEMA's technical guidance (MT-1).

Basements Are Unsafe



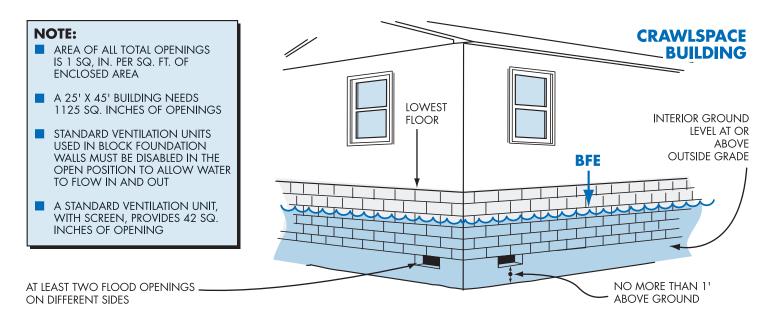
portion of a building that has its floor subgrade (below ground level) on all sides.

Basements below the BFE **are not** allowed in new development and flood insurance coverage is very limited in existing basements for a very good reason. It only takes an inch of water over the sill and the entire basement fills up! Excavating a basement into fill doesn't always make it safe because saturated groundwater can damage the walls.



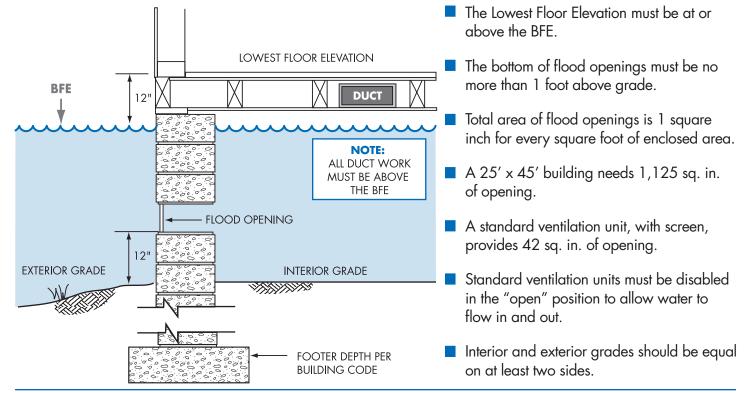
NEW MEXICO QUICK GUIDE

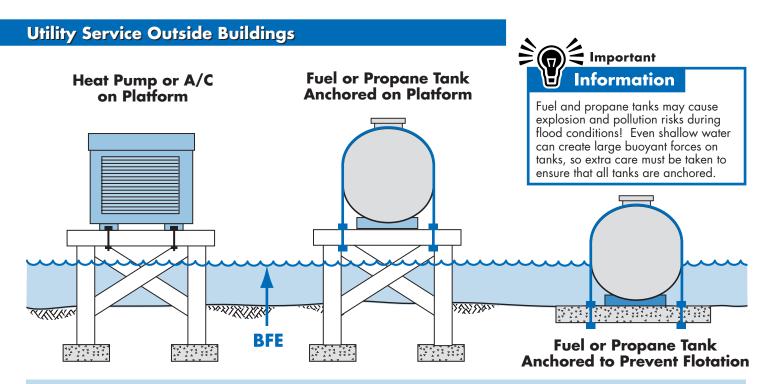
Enclosures Below the BFE



Solid perimeter wall foundations can enclose flood-prone space. A crawlspace is a good way to elevate just a couple of feet. In all cases, the following are required: openings/vents, elevated utilities, flood resistant materials, and limitations on use.

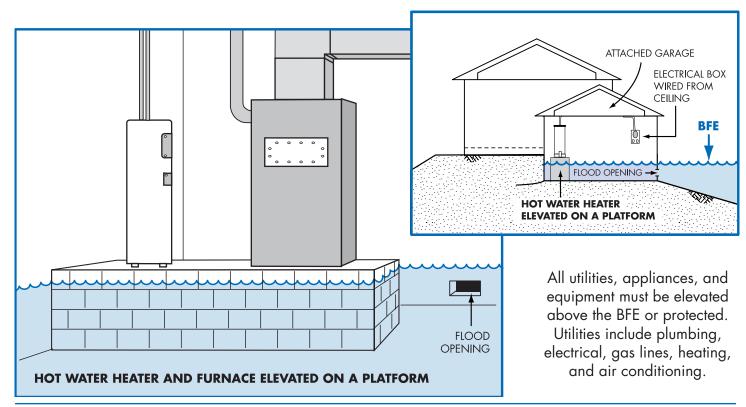
Crawlspace Details





Whether inside an attached garage or outside the building, all utilities, appliances and equipment must be elevated above the BFE or protected against flood damage. Utilities include plumbing, electrical, gas lines, fuel tanks, and heating and air conditioning equipment.

Utility Service Inside Enclosures



Accessory (Appurtenant) Structures

- Not habitable
- Anchored to resist floating
- Flood openings/vents
- Built of flood resistant materials
- Elevated utilities
- Used only for storage or parking
- Cannot be modified for different use in the future
- Document floor elevation

BFE UTILITIES THE FLOOD OPENINGS

Even small buildings are "development" and permits or variances with noted conditions are required. They must be elevated or anchored and built to withstand flood damage. **Caution!** Remember, everything inside is likely to get wet when flooding occurs.



Accessory (Appurtenant) Structure means

a structure that is located on the same parcel of land as a principle structure and whose use is incidental to the use of the principle structure. Accessory structures should be no more than a minimal initial investment, may not be used for human habitation, and must be designed to minimize flood damage. Examples: detached garages, carports, storage sheds, pole barns, and hay sheds.

Recreational Vehicles

In a flood hazard area, an RV must:

- Be licensed and titled as an RV or park model (not as a permanent residence)
- Be built on a single chassis
- Have inflated wheels and be self-propelled or towable by light truck
- Have no attached deck, porch, shed
- Be used for temporary recreational, camping, travel, or seasonal use (no more than 180 days)
- Be less than 400 sq. ft. in area (measured at largest horizontal projection)
- Have quick-disconnect sewage, water, and electrical connectors



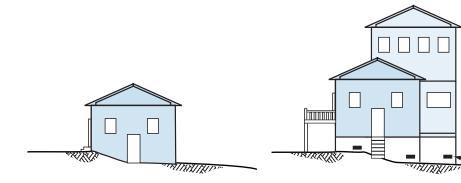


Camping near the water?

Ask the campground or RV park operator about flood warnings and plans for safe evacuations.

RVs that do not meet these conditions must be installed and elevated like Manufactured Homes, including permanent foundations and tie-downs (see page 35).

Planning to Improve Your Floodplain Building?



Before Improvements Building Market Value = \$110,000

(excluding land value)

Terms and Definitions

Substantial improvement means any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure before the start of construction of the improvement. This term includes structures which have incurred substantial damage, regardless of the actual repair work performed (see page 43).



Floodplain buildings can be improved or altered, but special rules may apply!

SUBSTANTIAL

WHOLE HOUSE

ON ELEVATED

CRAWLSPACE

After Improvements

Cost of Improvements = \$68,500

Total Building Value = \$178,500

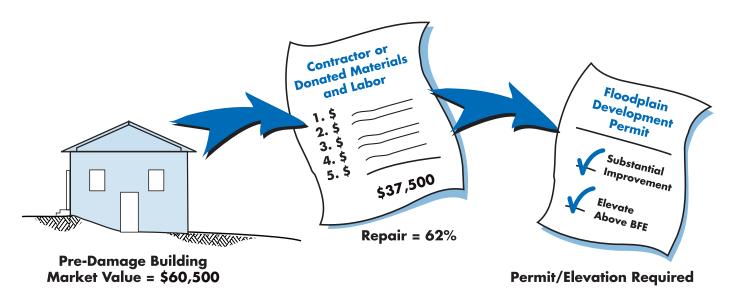
IMPROVEMENT:

If the cost of an addition to a Pre-FIRM structure is less than 50% of its market value, only the addition is required to be built above the BFE. Check with your local permit office.

The cost to correct <u>previously cited</u> violations of state or local health, sanitary, or safety code to provide safe living conditions can be excluded.

Alteration of a registered historic structure is allowed, as long as it will continue to meet the criteria for listing as a historic structure.

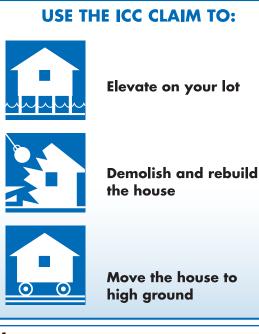
What About After Damages?



A permit is required to repair substantial damage from any cause — fire, flood, wind, or even a truck running into a building. Check with your community permit office to be sure. You will be asked to provide a detailed cost estimate for repairs. See page 45 for more information about elevating an existing building above a crawlspace.

Paying for Post-Flood Compliance

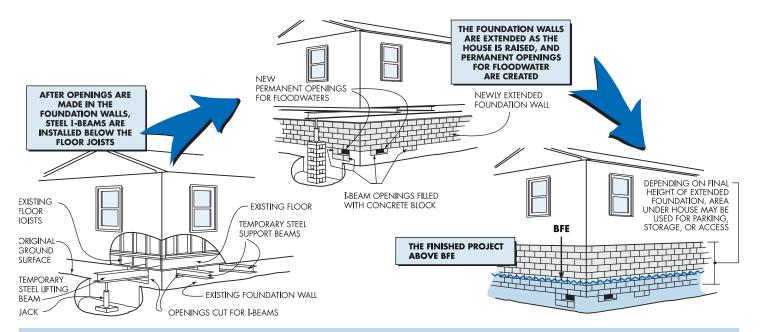
You may be eligible for up to \$30,000 to help pay to protect your building from future flood damage – to bring it into compliance with your community's floodplain requirements – if:



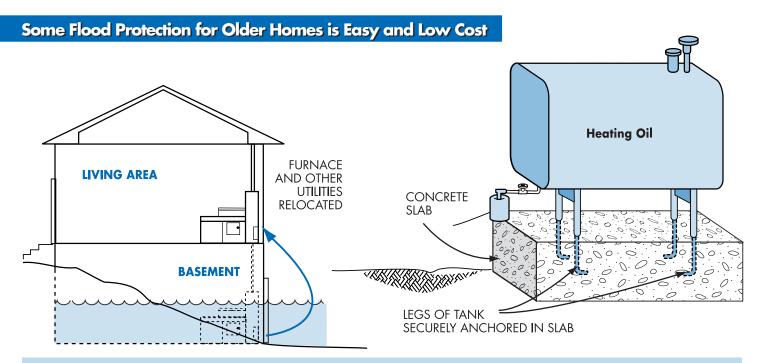
- You have NFIP flood insurance it includes Increased Cost of Compliance (ICC), coverage.
- Your building is <u>in</u> the mapped Special Flood Hazard Area.
- Your community has made an official determination that the building was substantially damaged by flooding.
- You act quickly to process all the required paperwork.

Owners whose buildings are substantially damaged are required to "bring the building into compliance." Substantial damage is a special case of substantial improvement (see pages 42 and 43).

Elevating a Pre-FIRM Building

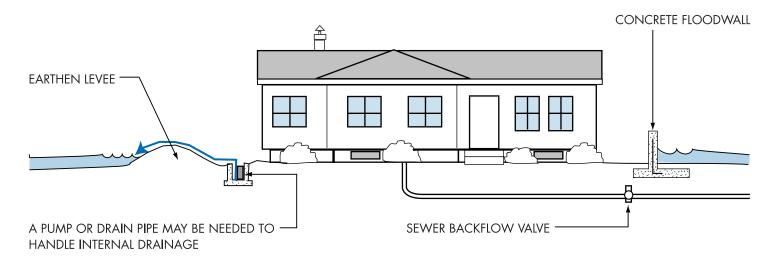


This is one way to elevate an existing building to comply with floodplain regulations. If your insured building is damaged by flood, you may be eligible for an **Increased Cost of Construction** payment (see page 44). The state and FEMA can help with more information and options.



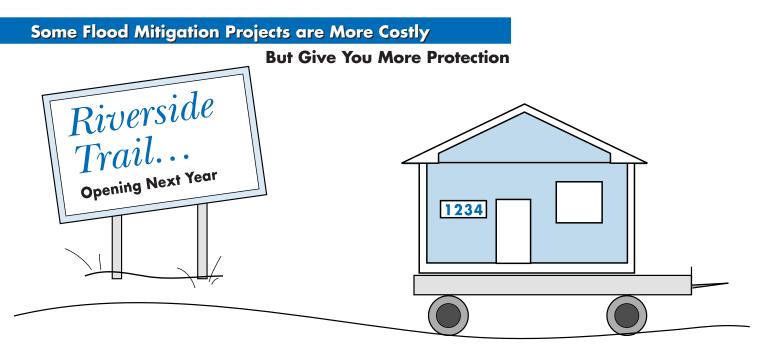
Move your hot water heater and furnace out of the basement, or build small platforms for them. If the flood depth is less than 2 feet, build floodwalls or anchor the tanks. **Do not** store valuables in a flood-prone basement. Use water-resistant materials when you repair.

Small Levees and Floodwalls Can Protect Some Older Homes



In areas where floodwaters aren't expected to be deep, sometimes existing buildings can be protected by earthen levees or concrete floodwalls. You must get a permit for those protection measures, and extra care must be taken if the site is in a floodway (see pages 11, 30 and 31). Individual buildings protected by a small, local levee or floodwall cannot be "removed" from the floodplain and will continue to be subject to floodplain regulations.

Important! These protective measures will not reduce your flood insurance premium!



After floods, some communities buy out and demolish homes that were severely damaged. The acquired land is dedicated to open space and can be used for recreation or to help restore wildlife habitat and wetlands. Homes have been raised up on higher foundations, and others have been moved to safer high ground.

Useful Resources and Common Acronyms

Useful Resources

- For information on disaster safety, being prepared, and repairing homes, click on Disaster Services when you visit the American Red Cross webpage at <u>http://www.redcross.org</u>.
- FEMA has developed materials to help families and businesses learn more about preparing for floods and recovering from disasters at <u>http://www.fema.gov/library</u>.
- New Mexico Floodplain Managers Association: <u>http://www.nmfma.org</u>
- New Mexico Department of Public Safety, Office of Emergency Management: <u>http://www.dps.nm.org/emergency/index.htm</u>
- New Mexico State Land Office: <u>http://www.nmstatelands.org</u>

Common Acronyms

- BFE = Base Flood Elevation
- EC = Elevation Certificate
- FEMA = Federal Emergency Management Agency
- FIRM = Flood Insurance Rate Map
- ICC = Increased Cost of Compliance
- MH = Manufactured Housing Unit
- NFIP = National Flood Insurance Program
- NMFMA = New Mexico Floodplain Managers Association
- SFHA = Special Flood Hazard Area

Want to Learn More?

- For advice on flood information and permits, call your community's building permit office or planning department.
- To order flood maps, call FEMA's Map Service Center 1(800) 358-9616 or enter the FEMA Map Store to order on-line at <u>http://www.fema.gov</u>.
- To learn more about flood maps and to check the Status of Map Change Requests, click on "Flood Hazard Mapping" at <u>http://www.fema.gov</u>.
- FEMA's on-line publications can be found in the FEMA Virtual Library. Many are posted in the Portable Document Format (PDF). Go to <u>http://www.fema.gov</u> for more information. You can order printed copies of FEMA publications from the FEMA Distribution Center, at 1(800) 480-2520.
- To learn about flood insurance, call your insurance agent. Most insurance companies can write an NFIP policy for you. If you need more help, call the National Flood Insurance Program's toll free number to get the name of an agent in your area who does write flood insurance. The number is 1(888) 356-6329.
- To get the best rates for flood insurance, call a local surveyor to complete an Elevation Certificate.
- Find out about on-line Elevation Certificate training for surveyors by going to <u>http://www.fema.gov</u> and searching on "Elevation Certificate."