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| **PROJECT** | **Flood Risk Management – Property Flooding** |
| LEADER / PARTNERS | Parish or Town Council, Lead Local Flood Authority (county or unitary council), Environment Agency (EA), landowners, riparian owners, DEFRA funding and policy writing. See also [www.thefloodhub.co.uk](http://www.thefloodhub.co.uk) and [Home - Flood Mary](https://floodmary.com/) |
| COUNCIL POWERS | Open Spaces Act 1906 Flood and Water Management Act 2010 – outlines strategies, funding and ownership aspectsEA cannot carry out work or apply levies without lead local flood authority’s permission Reservoir Act 1975 12A-12B – reservoir related floods<https://www.wlma.org.uk/uploads/PC_Information_for_Riparian_Owners.pdf> Riparian owners’ advice from Water Management Alliance.Land Drainage Act 1991 |
| FUNDING SOURCES | To cover cost of professional assessment.“The Environment Agency may make grants in respect of expenditure incurred or expected to be incurred in connection with flood or coastal erosion risk management in England.”Environment Agency grants:* To apply: you must send (a) either the FCERM 2 (Flood & Coastal Erosion Risk Management) or FCERM 7 (accessed from your local EA flood authority representative) along with (b) a completed Outline Business Case.
* Outline Business Case – if project < £3 million then single stage business case required; if project > £3 million then three stage business case required. These must follow the [FCERM appraisal guidance](https://www.gov.uk/guidance/fcerm-appraisal-guidance) and follow the [FCERM template](https://www.gov.uk/government/publications/project-appraisal-report-for-fcerm-projects).
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| ADVICE / USEFUL CONTACTS | Environment Agency.Grants – [Flood Risk Capital Grants applications information](https://www.gov.uk/government/publications/capital-grants-for-local-authorities-and-internal-drainage-boards/memorandum-relating-to-capital-grants-for-other-risk-management-authorities-in-england-2020#the-criteria-for-capital-grant)Water Management Alliance.[Riparian landowners rights and responsibilities](https://engageenvironmentagency.uk.engagementhq.com/27275/widgets/77300/documents/65543) |
| ***Requirements:*** |  |
| SKILLS | Independent flood risk assessors:* Potential firms include Nimbus Engineering, ACCON UK, Unda Consulting, FPS Environmental, Gondolin Land & Water, Aegaea, and RSK Group.

Time and knowledge for completing Outline Business Case and FCERM forms. |
| RESOURCES | Land Registry for ownerships, [Flood Risk Capital Grants applications information](https://www.gov.uk/government/publications/capital-grants-for-local-authorities-and-internal-drainage-boards/memorandum-relating-to-capital-grants-for-other-risk-management-authorities-in-england-2020#the-criteria-for-capital-grant)[FCERM appraisal guidance](https://www.gov.uk/guidance/fcerm-appraisal-guidance) [FCERM template](https://www.gov.uk/government/publications/project-appraisal-report-for-fcerm-projects). |
| MATERIALS | Depend on solutions:* Flood gates
* Flood barriers
* Water pumps
* Airbrick

[Flood Protection Solutions](https://www.floodprotectionsolutions.co.uk/) is a company that works with EA and sell community flood kits in small, medium and large. Small = £3000 +VATMedium = £5500 +VATLarge = £11000 +VAT |
| PERMISSION | Landowners affected, planning authority, Environment Agency |
| CONTRACTORS | Independent flood risk assessors,Contractors to set up the flood defences (along with volunteers if possible) |
| ***Steps to Success:*** | 1. Check if you’re living in a flood risk zone
2. Commission a flood risk assessment
3. Establish who is the landowner of relevant riverbanks, flood risk zones and waterways. This will need to include any houses or land that could become a new flood risk if rivers are diverted. Use HM Land Registry.
4. Establish following independent risk assessment the most appropriate flood defence for each situation.
5. Apply for EA permission to implement changes and EA funding for project.
6. Get permission from residents affected by flood defence implementation.
7. Purchase flood defences.
8. Either using community volunteers or contractors set up flood defences.
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| Greenhouse gas reduction/Net Zero outcomes  | Unlikely – perhaps the use of gates/barriers or natural solutions can reduce use of gasoline powered generators used for pumps during floods.  |
| Adaptation and Resilience outcomes | A person standing next to a trench  AI-generated content may be incorrect.A fire extinguisher next to a door  AI-generated content may be incorrect.Flood Barrier In use across DrivewayPictures from the Flood Protection Solutions website |
| Biodiversity/ Nature Recovery/Ecosystem outcomes | Saving habitats along riverbanks from being flooded.  |
| Community/social outcomes | Maintains communities transport and accessibility to towns/shops.  |
| Economic implications | Capital cost but saving on flood recovery/damage.  |
| MAINTENANCE | Depending on solutions. Community flood barriers will need to be set up each time required and packed away and stored afterwards.  |