

St Austell Bay Resilient Regeneration Project (STARR)

Funding is being sought for an innovative scheme aiming to work across the whole of the Par and Sandy river catchments to reduce flood risk to communities living and working in the St Austell Bay area, particularly the people of Par and St Blazey.



The Challenges

- The communities of Par and St Blazey lie in the bed of an old estuary.
- Climate change, sea level rise and more intense rainfall are likely to increase the risk of flooding.
- Damaging floods occur here every 1-2 years.
- Over 80 floods have been recorded in the area in the last 100 years.
- A single flood event in Par and St Blazey could cause £50m in damages.
- Need to store the equivalent of 400 Olympic-sized swimming pools of water throughout the catchment in order to protect houses and businesses.

The Solutions

Work with nature in the river catchments to slow the flow of water before it reaches local communities.

Work with landowners to co-design water management solutions that fit with their business model.

Design the towns, streets and green spaces to work harder to keep water away from homes and businesses.

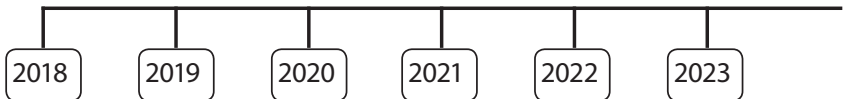
Work with businesses and communities to increase flood resilience.



The Benefits

- Decreased flood risk to homes and businesses.
- Decreased flood risk and damage to road and rail links.
- Encourage investment in the St Austell Bay area.
- Improve habitat for wildlife.
- Improved bathing water quality.
- Enable regeneration of community green space and historic structures.
- Make St Austell Bay a better place to work, play and live.
- Act as a national pilot project to demonstrate the whole catchment approach to reducing flood risk.
- Use the best scientific knowledge and techniques to support implementation and monitor impacts/benefits.

StARR proposed project Phases and Timeline



Surface water investment: 2017 -2022: Investing in surface water flood management: *when rainwater doesn't drain or soak away and lies on or flows over the ground.*

Phase two: 2019 -2022: Investing in main river flood management: *when heavy or prolonged rainfall causes a river to exceed its capacity and overtop its bank.*

Phase three 2021 -2023 and beyond investing in adaptations to climate change: *adapting to sea level rise, coastal erosion and dunes moving inland.*

Subject to funding approval in 2018

Working together



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Photos courtesy of CIRIA 2015 Sustainable Urban Drainage Manual, the Tweed Forum and Forest Research.

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