

A Recap

- The first step towards delivering the Masterplan is the **remediation** of the worst hazards.
- Council identified **mine entries** and the flood risk caused by **blocked/structurally unsound culverts** as the two main hazards to target.
- The Project Team have been working with AECOM on:
 - Which of the mine entries are the highest priority?
 - Where can water be brought to surface and where should it go?
 - What are the constraints that influence this?
 - How much is this work likely to cost?

The Next Steps

- There are two main things that need to happen now:
 - A **planning application** for the remediation works including the Masterplan (Development Framework).
 - **technical design** of the works, particularly the watercourses
- Technical design is the process of creating drawings & calculations that give construction companies enough information about the scheme to bid for the work.
- It will have to consider things like:
 - What will the water channels be made from?
 - How much spoil will need to be removed and where will it go?
 - How wide do the channels need to be?
 - How to deal with any workings underneath the water.

The Preferred Remediation Programme

- The pictures above show the suggested programme of remediation
- This is made up of:
 - A new surface water channel for the Blaengafog stream. This will run from Farm Rd along the East of the British towards Big Arch
 - Redirecting Castlewood Stream (the small amounts of water that run along Castlewood) into this new water channel
 - An upper and lower pond along the route
 - Investigating & treating 20 highest priority shafts and 11 adits
 - Re-grading on the edge of the black patch to improve drainage

Managing the Risks

- The costs are reviewed at each stage of the design process
- AECOM have provided an updated cost for the remediation scheme following their design work.
- The costs will be reviewed again once technical design is complete.
- There is always a risk on projects that costs could increase as designs progress through the stages. If this happens, the Project Team may need to remove some items from the remediation programme to bring the costs back to the available budget.
- There are some items which for health and safety reasons cannot be removed which means that there may have to be some changes to the watercourses.