



The Coal
Authority



Environment
Agency



Proposed measures to clean up the River Nent

Caplecleugh mine water treatment scheme



February 2019

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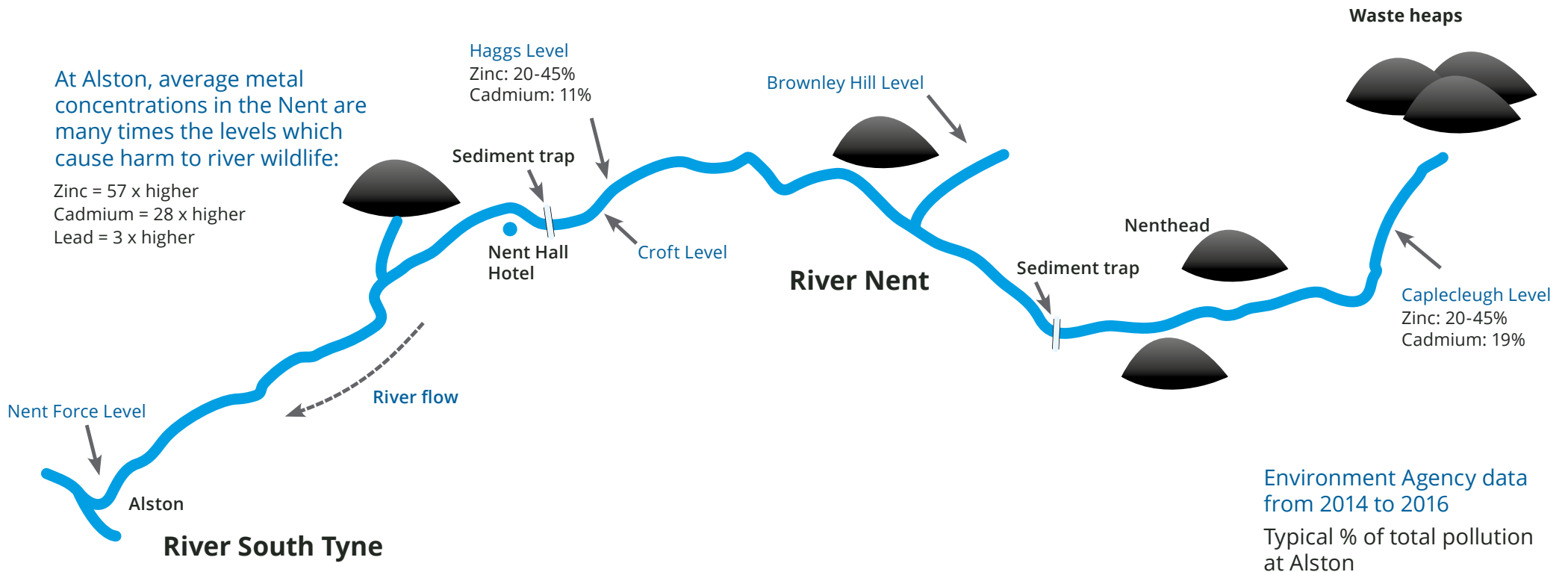
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Welcome

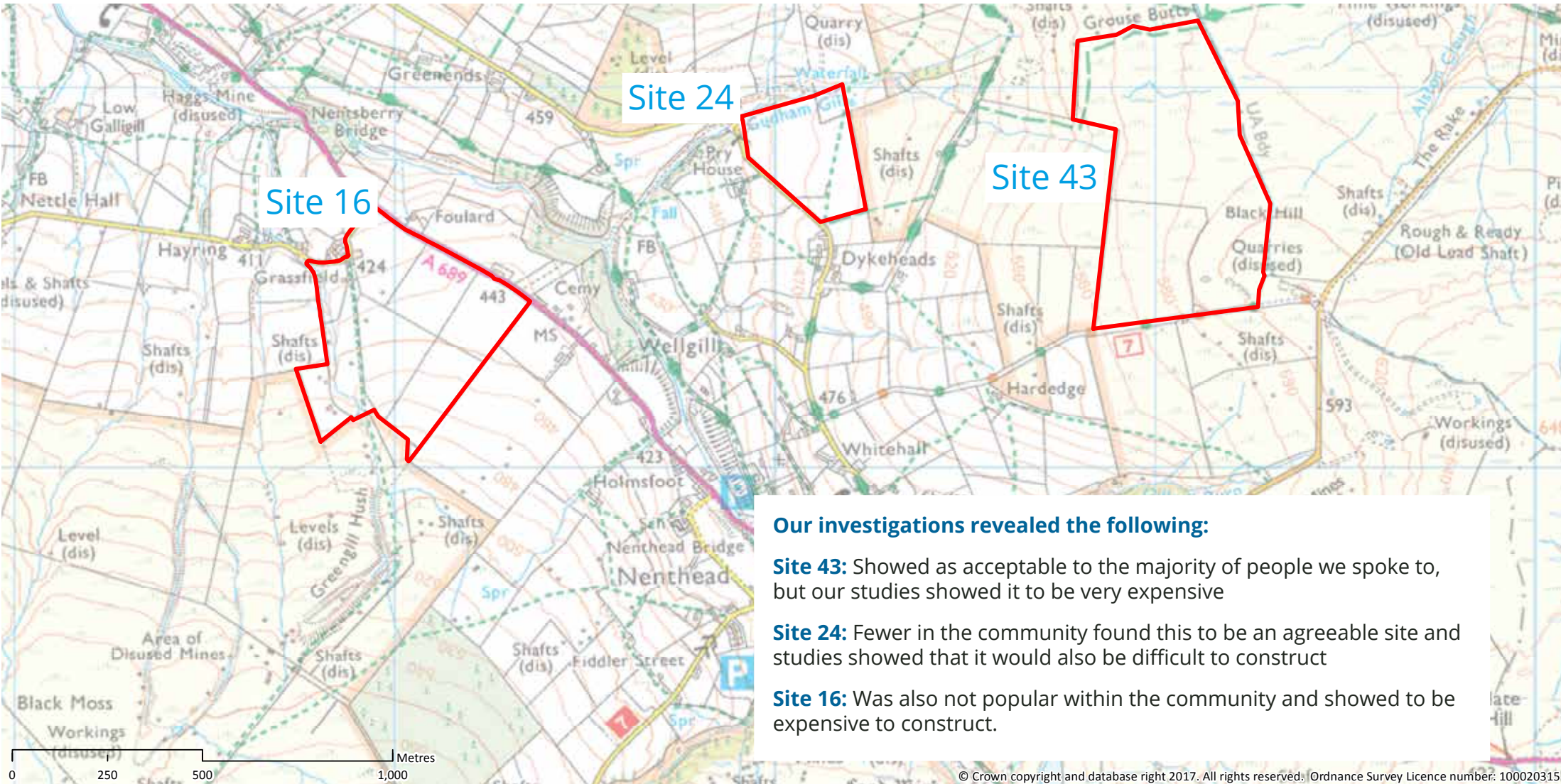
Welcome to the latest in the series of stakeholder open information sessions on measures to clean up the River Nent.

Today's session is specifically about proposals for treating water from the Caplecleugh adit.

Cleaning up the River Nent:



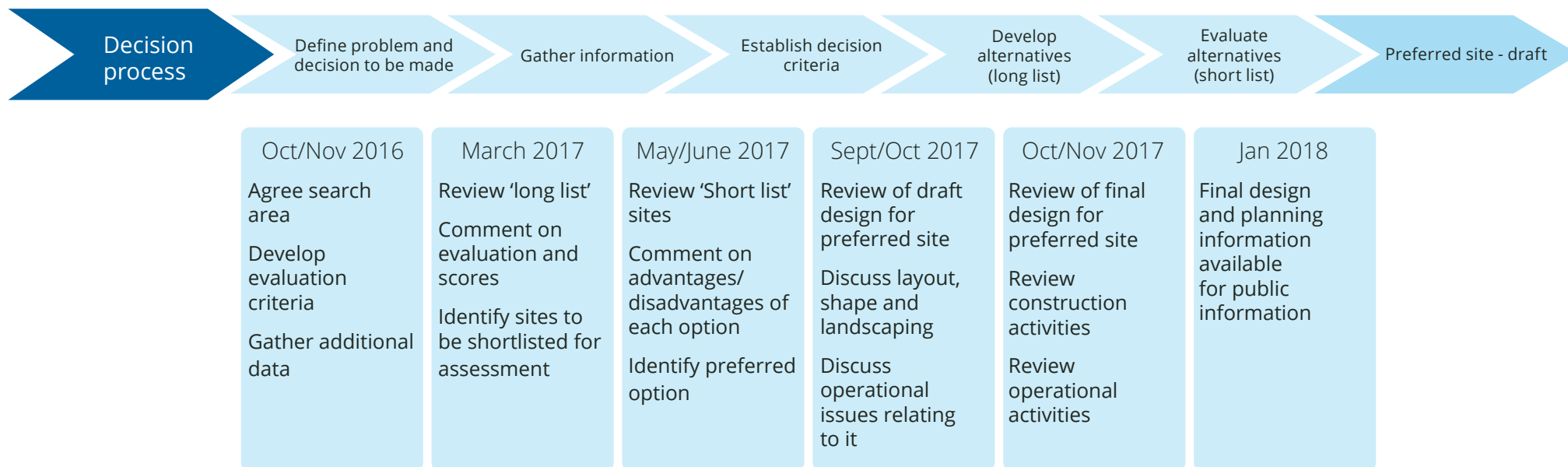
We last spoke about this in our January 2018 event. In September 2017, we asked for feedback on 3 possible sites (sites 16, 24 and 43). Based on feedback from the public and other stakeholders, and further review of engineering and cost issues, we did not consider that any of these 3 sites were viable. These are the 3 sites that we were previously considering.



Engagement process: How did we get here?

Business/scheme objective: To find an acceptable way of treating polluted mine water from the Hags, Caplecleugh and Rampgill Levels, from concept to operation.

Consultation objective: To work with stakeholders to find an acceptable way of treating polluted mine water from the Hags, Caplecleugh and Rampgill levels, from concept through to operation.



Community input sought at these points

In September/October 2017, we decided to pause the Caplecleugh project whilst we reviewed the data on how big it really needed to be, to include more monitoring, and give time to focus on Hags because we were confident that we had enough data to make a clear decision on designing the treatment system.

Engagement process

April 2016: **Event 1**

We held an open community event where the initial proposal was presented. The proposal was withdrawn and a new engagement approach was developed.

October/November 2016: **Event 2**

We held 2 community events where open discussions took place about the new approach to finding alternative land areas. The site evaluation criteria were identified.

November 2016/March 2017

- providing information - questions answered. Reports on Gov.uk
- developing site evaluation criteria
- wider mail outs, contacting business, contacting wildlife groups
- contacting landowners
- extended search area
- potential areas identified that might be suitable for a mine water treatment scheme

March 2017: **Event 3**

Discussion with stakeholders on new areas identified. A long list of possible sites drawn up.

July 2017: **Event 4**

A further public meeting looked at 3 possible sites for Nent Hags and Caplecleugh. A short list of possible sites discussed.

September 2017: **Event 5**

Preferred site for Nent Hags and further investigation for Caplecleugh are shown at the September event.

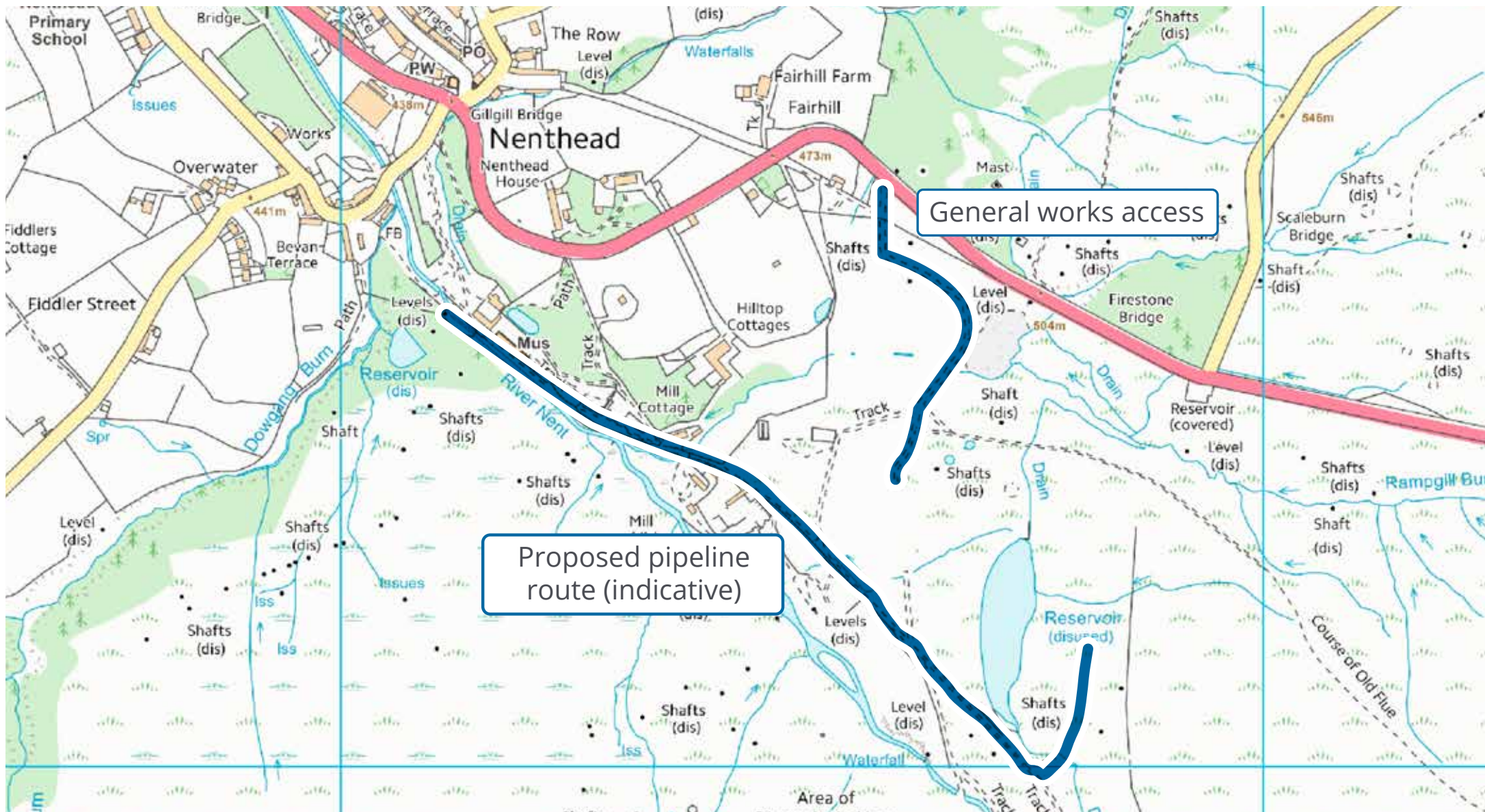
September 2017 - October 2017

We also reported on dry-dredge of 9 sediment traps on the River Nent completed. 1,000 tonnes of sediment, containing at least 20-30 tonnes of zinc, cadmium and lead, removed from river and taken to landfill. New check weir installed in the River Nent near Nent Hall to capture more sediment. Works completed to river bank around Foreshield Shaft to reduce erosion of spoil into river and to prevent river water entering the mine shaft.

January 2018

Final review prior to planning submission for Nent Hags. Update on Caplecleugh.

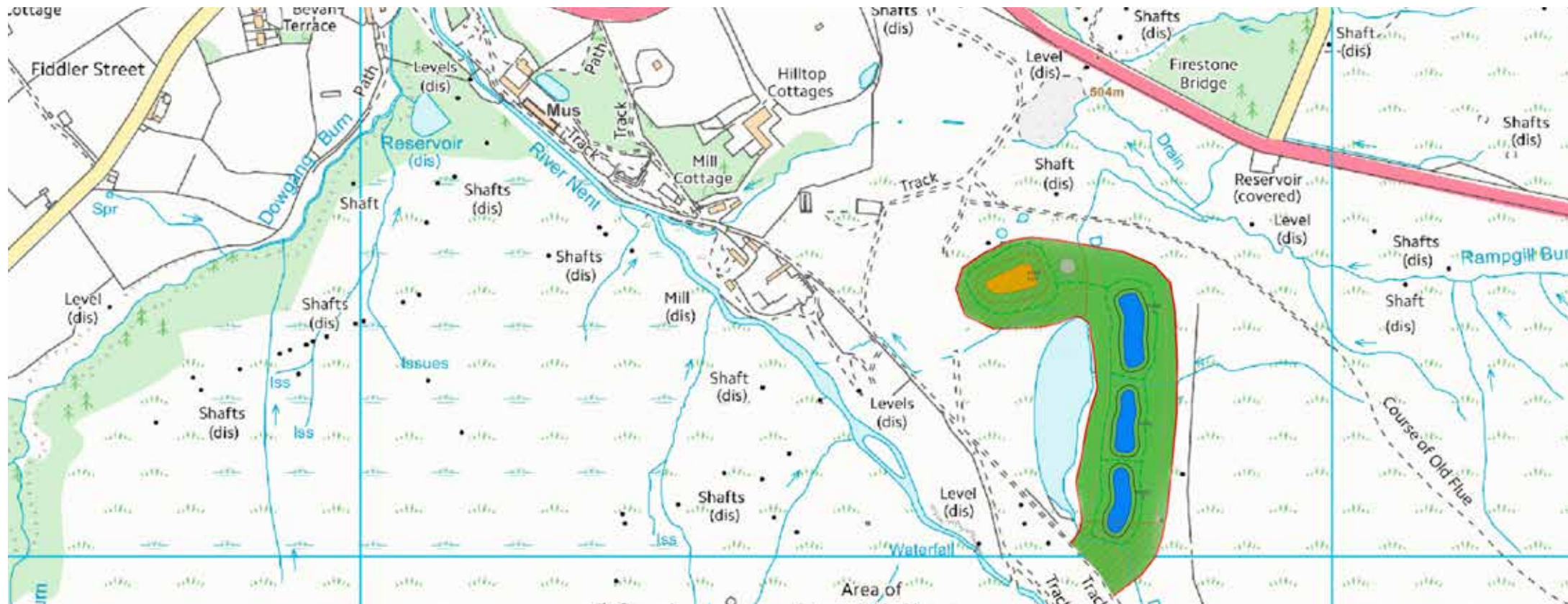
Map of area for new proposal



New proposal February 2019

Following the public events in 2017, we gathered more monitoring data and reviewed the size that the treatment scheme needed to be. Based on feedback from the public and after discussions with stakeholders, including Historic England, Natural England, Cumbria County Council and the Nenthead Mines Conservation Society, we changed our site selection criteria to include the Nenthead mine site even though it is designated a scheduled monument.

We are now proposing a site on the edge of the mine site, to be arranged as approximately shown in the figure below. This will include up to three open water treatment ponds adjacent to the Hansome Mea reservoir and a wetland containing reeds just inside the scheduled monument.



Next steps in the engagement/decision making process

December 2018

- Letter sent to Nenthead Parish Council and other stakeholders to explain that we have selected a preferred location

28 February 2019

- Stakeholder engagement event for the public and others to hear about and comment on our latest proposals.

March/April 2019

- Assess comments from public and other stakeholders
- Carry out investigations of the ground conditions at the site to inform design of the treatment system

May/June 2019

- Begin preparation of planning application and further discussions with statutory stakeholders (e.g. planning authority)

Summer/Autumn 2019

- Further public engagement events

January 2020

- Submit planning application (target)

Spring 2021

- Construction: earliest start date is spring 2021 (subject to permissions and funding).

Contact details

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