

Memorandum of Understanding for Cirencester Sluice Gates - Questions Nov 2021

Note. For the purpose of these questions please refer to the MOU at;

<https://static1.squarespace.com/static/563789b6e4b03c7ded1a9ff2/t/5dcabb4de381d24d49fc0427/1573567314578/Memorandum+of+Understanding+Sluice+Gate+Operation+2019+Update+Web+Version.pdf>

1. Gloucester St sluice

a. Has this section 4.2.1 of the MOU been updated to remove the reference to “Flood Conditions” allowing for operation whenever water levels start to rise above 0.2?

The current wording of the MOU, section 4.2.1, has led to considerable misunderstanding of when the Gloucester St sluice should be opened.

b. At times of flood can the sluice be adjusted to balance the flow? MOU 6.5

During flood conditions the quantity of water passing through the main sluice can overwhelm the Spittlegate lane / Herewood rd area, a regular flooding location. There is a clear opportunity at this point for subtle adjustment of the main gate to reduce the flow without causing flooding at Barton Mill, Riverside Walk and the Mead which is **clearly stated in section 6.5 of the MOU**.

Section 6.7 of the MOU appears to contradict section 6.5. This needs urgent consideration to prevent unnecessary flooding.

2. Barton Mill Sluice. MOU 4.2.5

Section 4.2.6 f) of the MOU suggests reducing the height of one or both of the sluice gates to provide a self regulating water level.

During most of 2021 the Barton Mill Sluice has been closed but leaking. The suggestion in the MOU is this could be caused by debris in the gate.

With little or no flow from the Daglingworth stream this year, this leak has by pure luck been the only source of water to prevent the Gumstool Brook running dry. Reducing the height of the sluice gates would help solve the problem. Can this be considered?

3. Gumstool Brook Sluice (normal conditions) MOU 4.2.3 a

Currently the gate is fully closed, can it be opened as per MOU?

The underside of the gate should be open to the top of the V notch plate.

4. Mill pound overflow into the Daglingworth stream floodplain, the “Swan Lake” and Querns Springs.

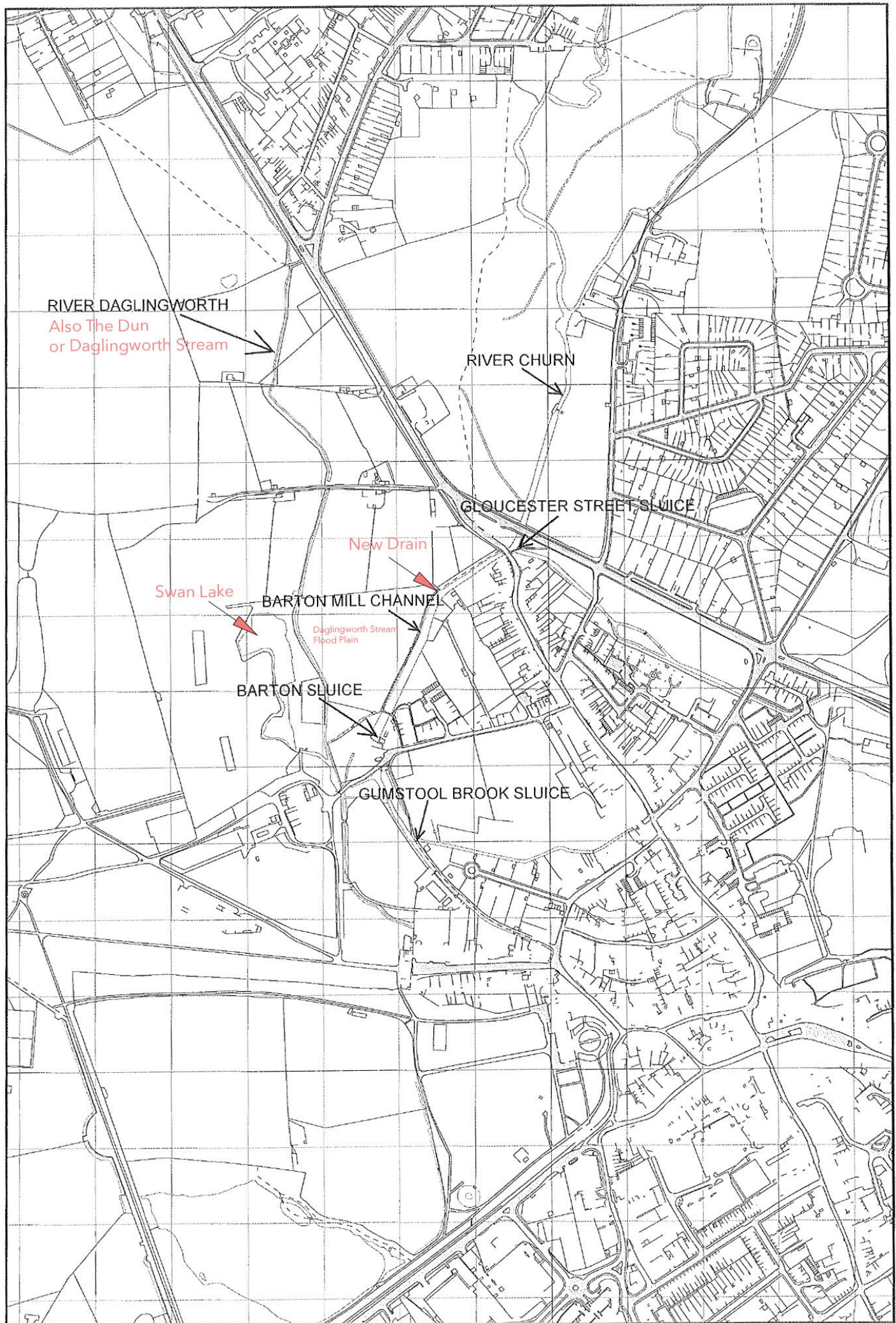
There is no mention of any of these in the MOU or their considerable effects?

5. New Mills (City Bank). MOU 3.3.2

Should the New Mills sluice be opened before the Gloucester St sluice?

After the 1929 flood the the land drainage officer for Gloucester, T. Hindmarsh, stated, “the New Mills Sluices be drawn first and the Gloucester St after to ensure the clearing of the New Mills”. This is against the current MOU. More research and better understanding is needed for these gates.

Shaun Shackelford reported in Oct 21 this sluice is not part of the MOU. This is incorrect.



Location of Operable Flow Control Structures in Cirencester



Legend



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0 95 190 285 m.

Caption