

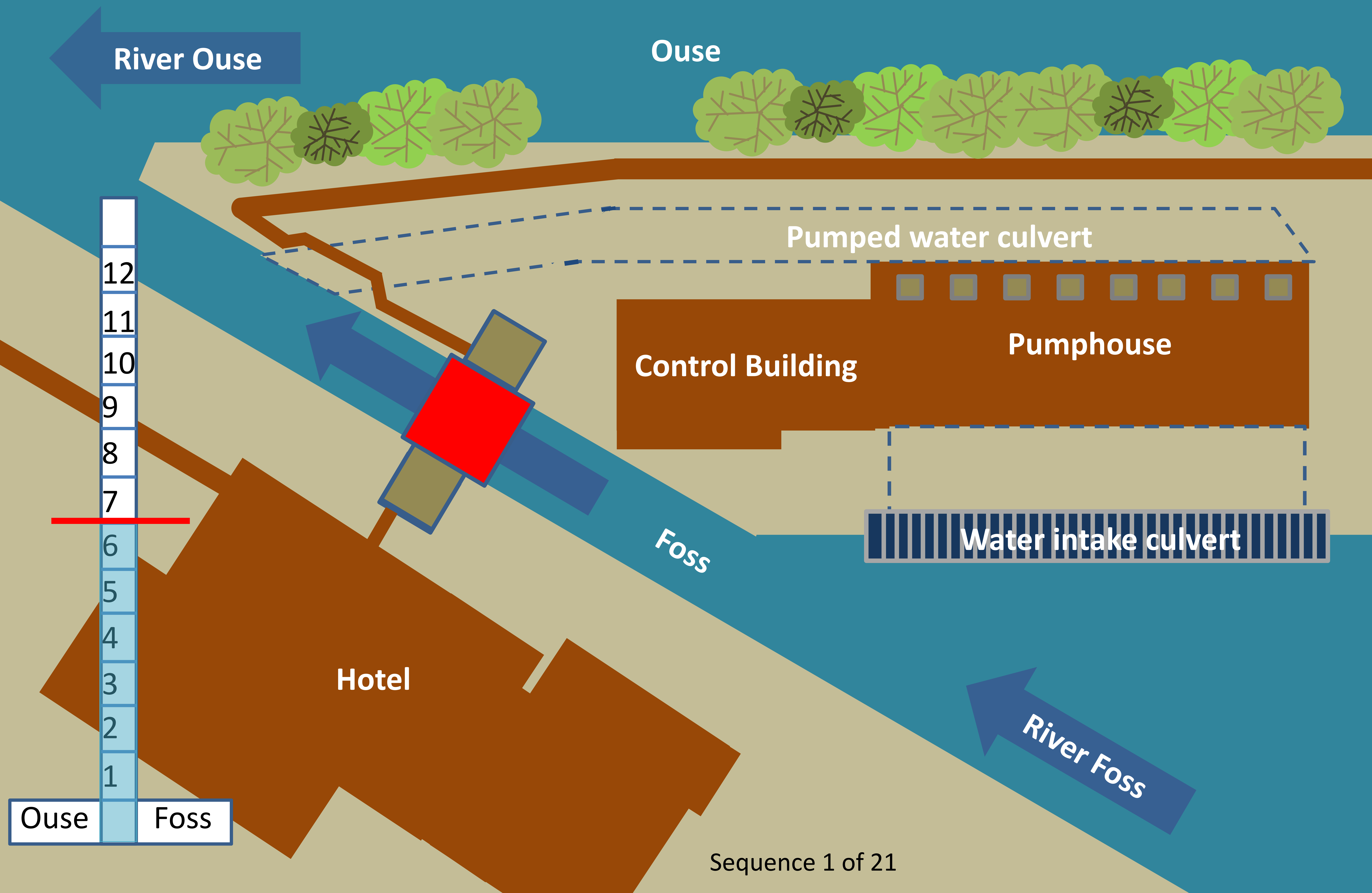


# Foss Barrier, York

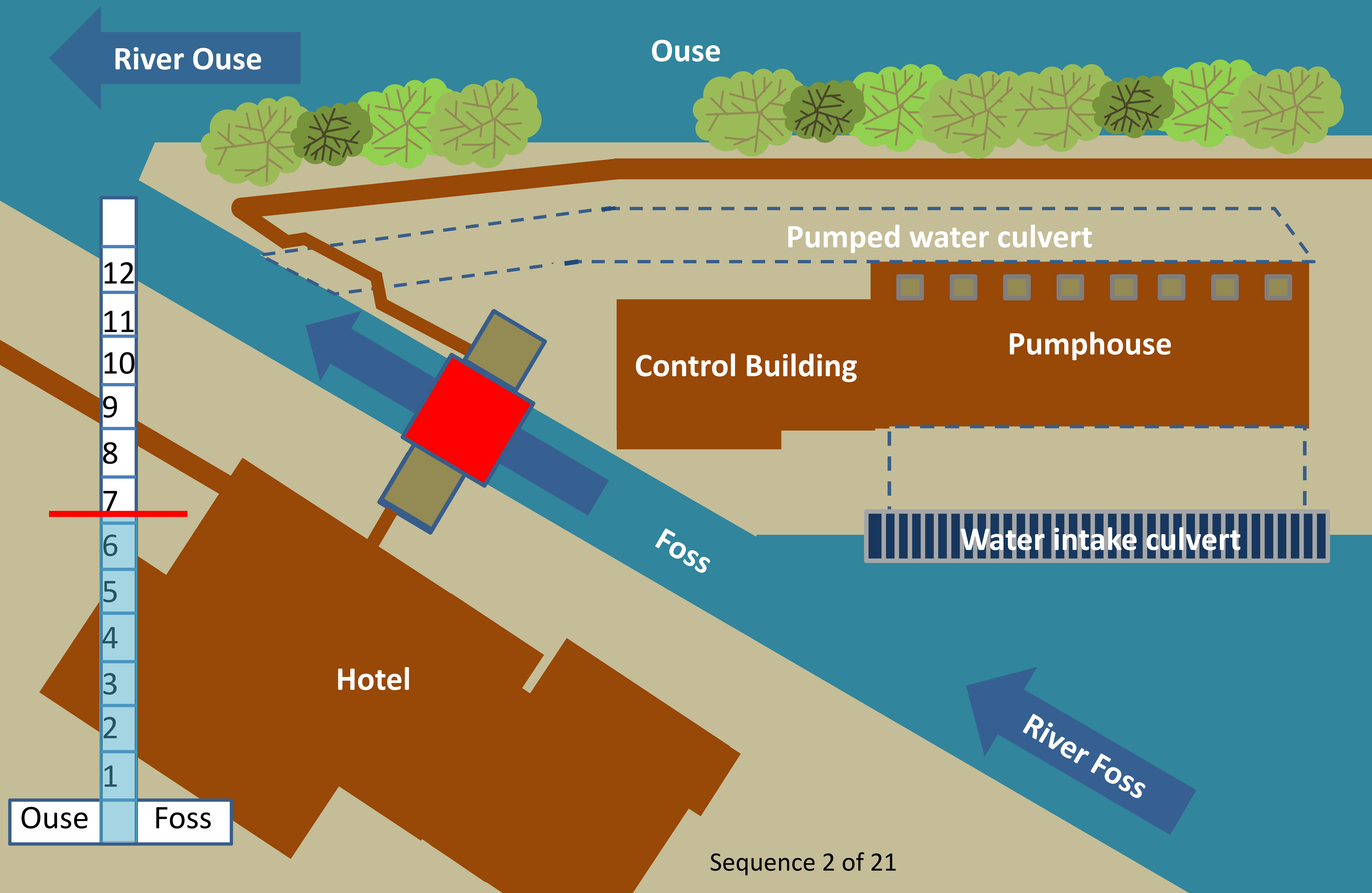
Sequence of key events on December 26<sup>th</sup> 2015  
Plan View



20 Dec Levels in the Ouse and Foss within Channel and flowing normally

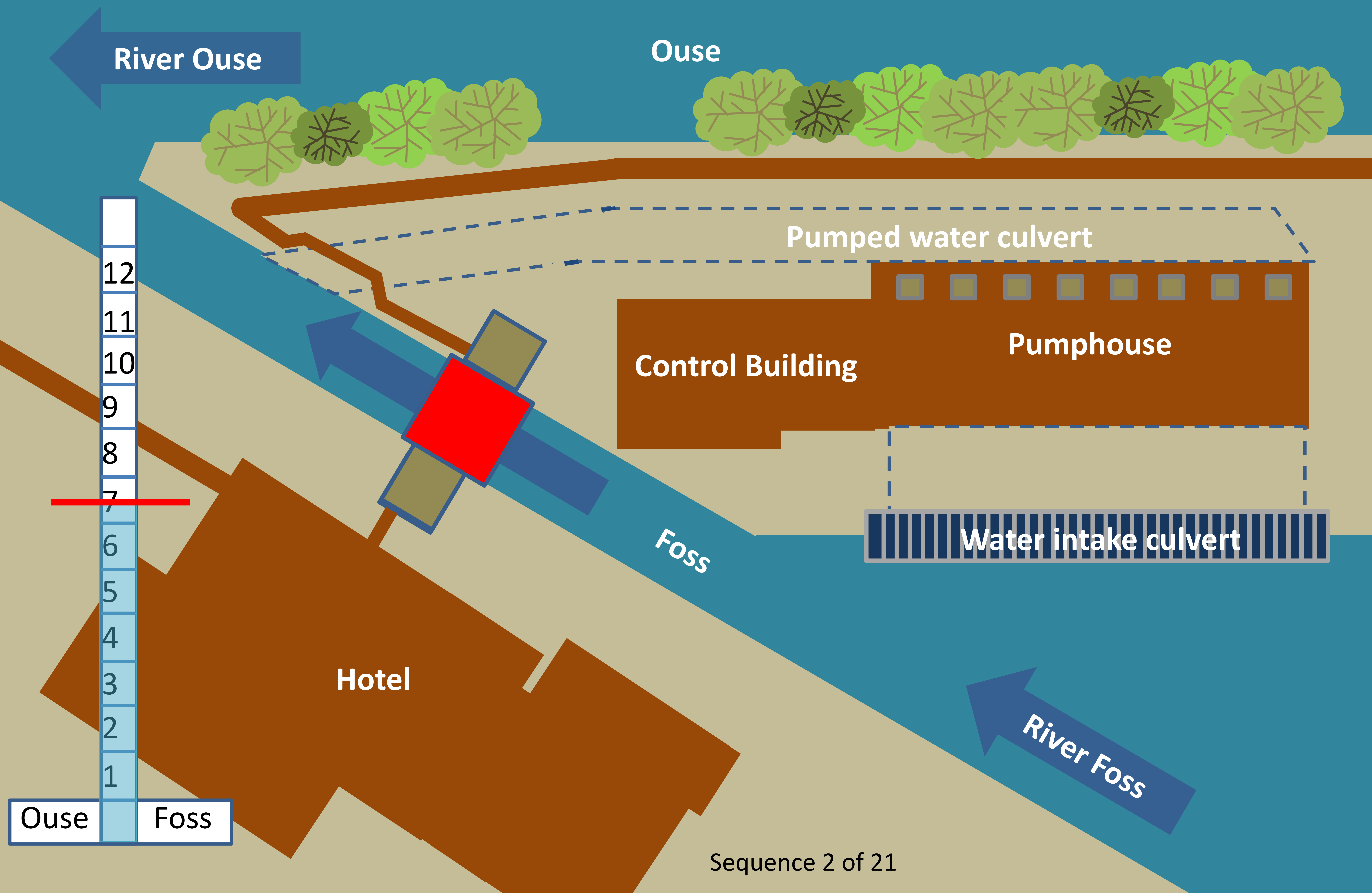


21-27 Dec Heavy rainfall causes Ouse and Foss to rise

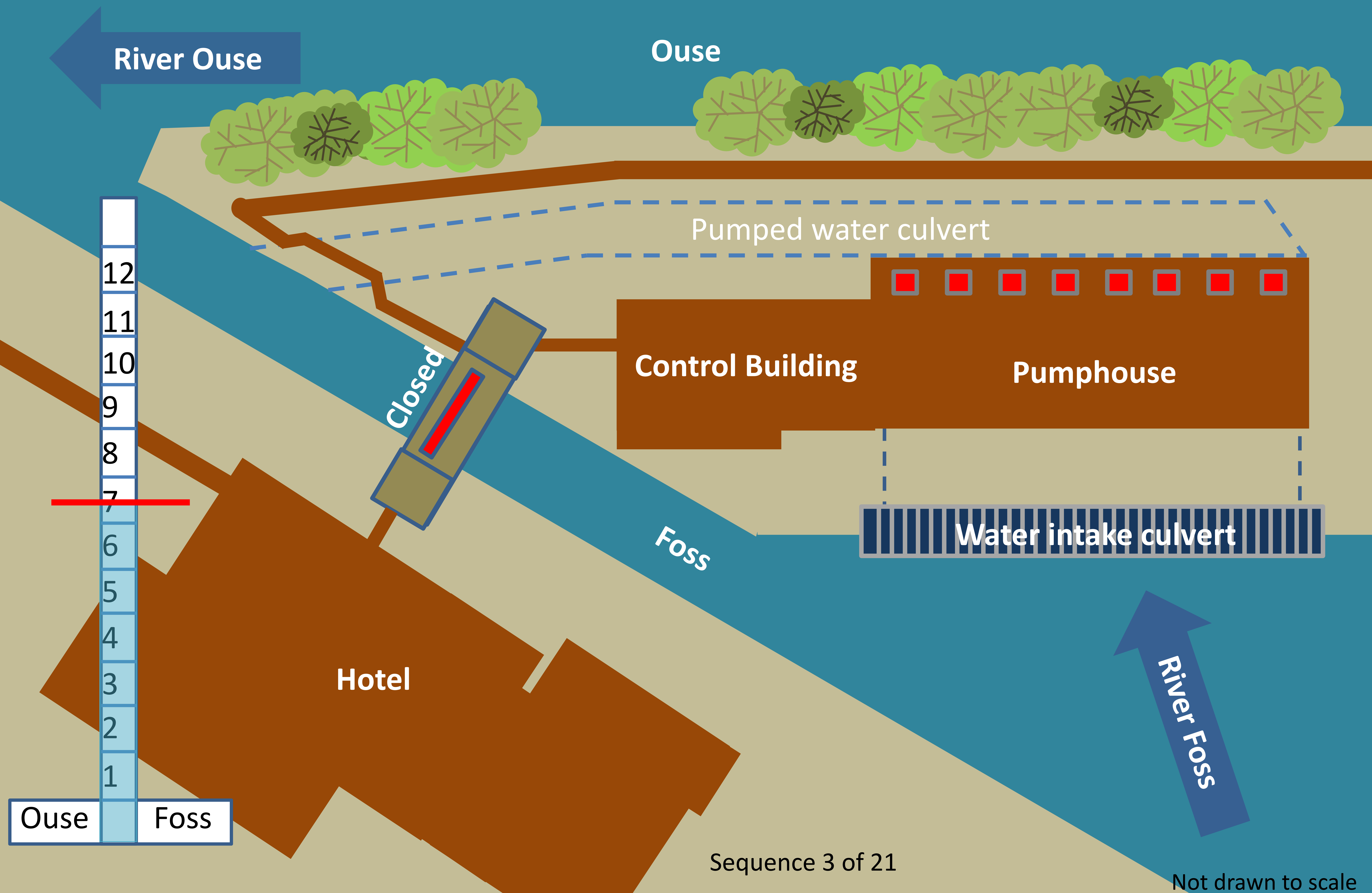




21-27 Dec Heavy rainfall causes Ouse and Foss to rise

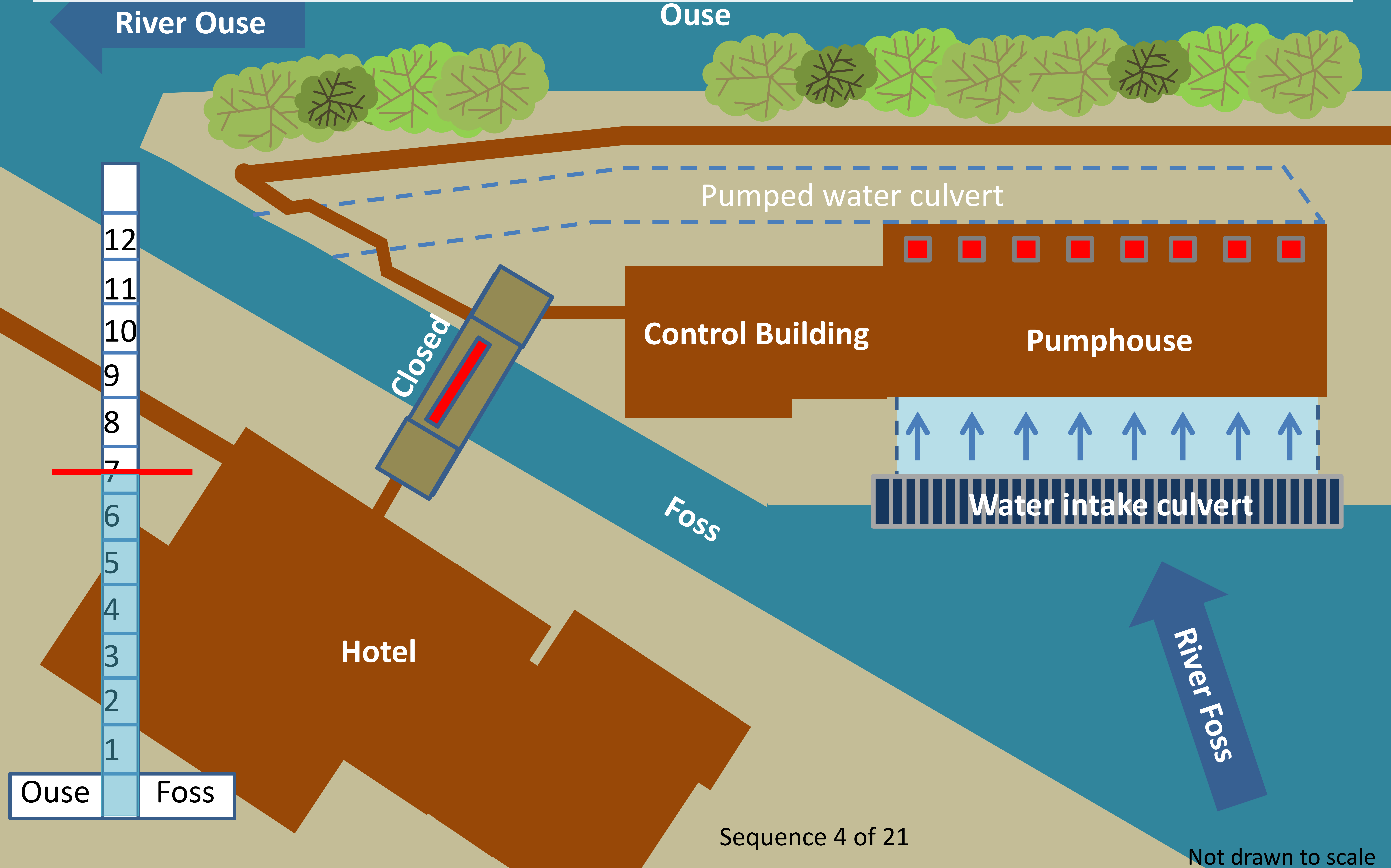


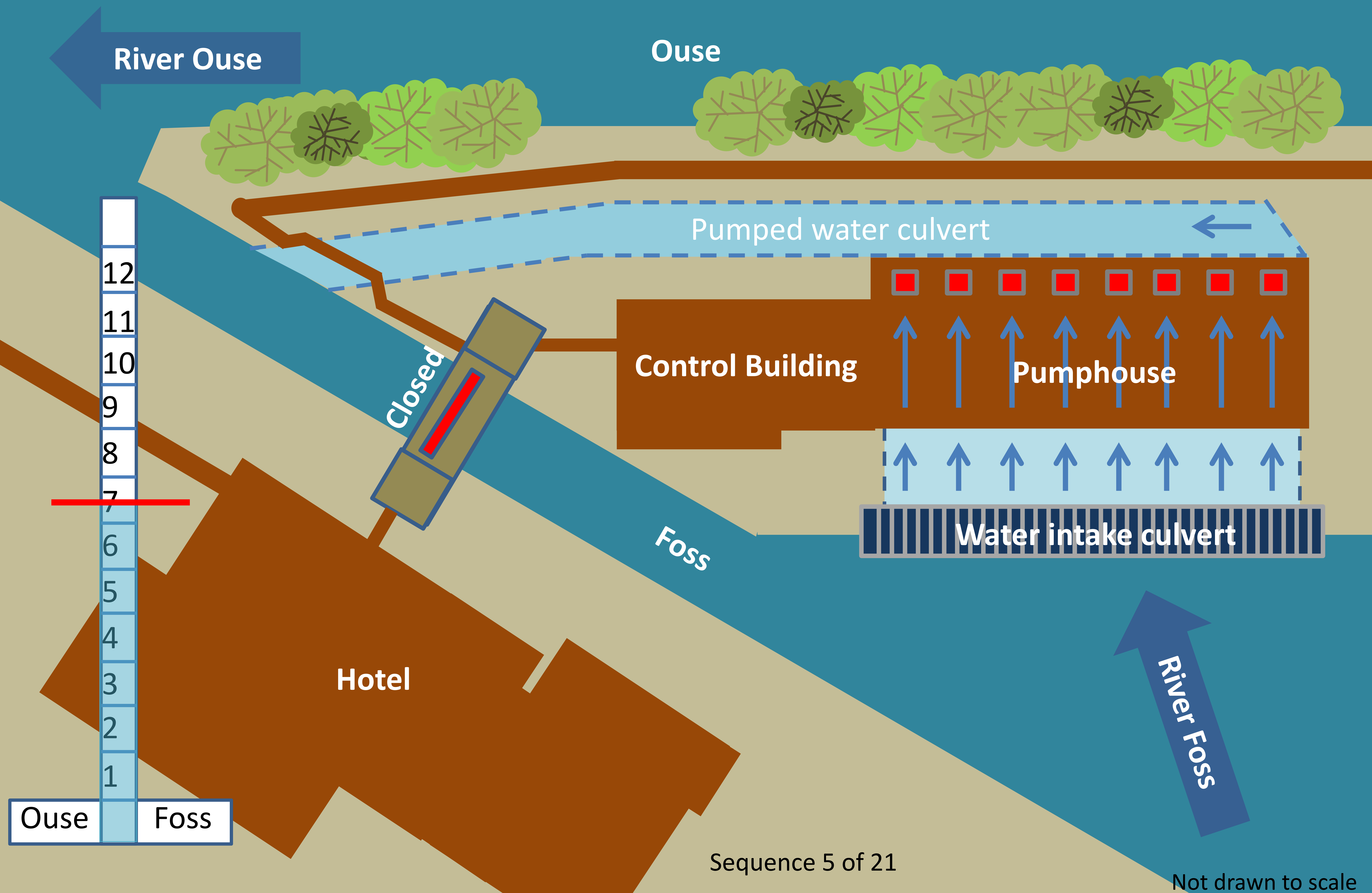
00:30 21 Dec At 7.5m AOD in the Foss, the barrier is closed and the pumps activated



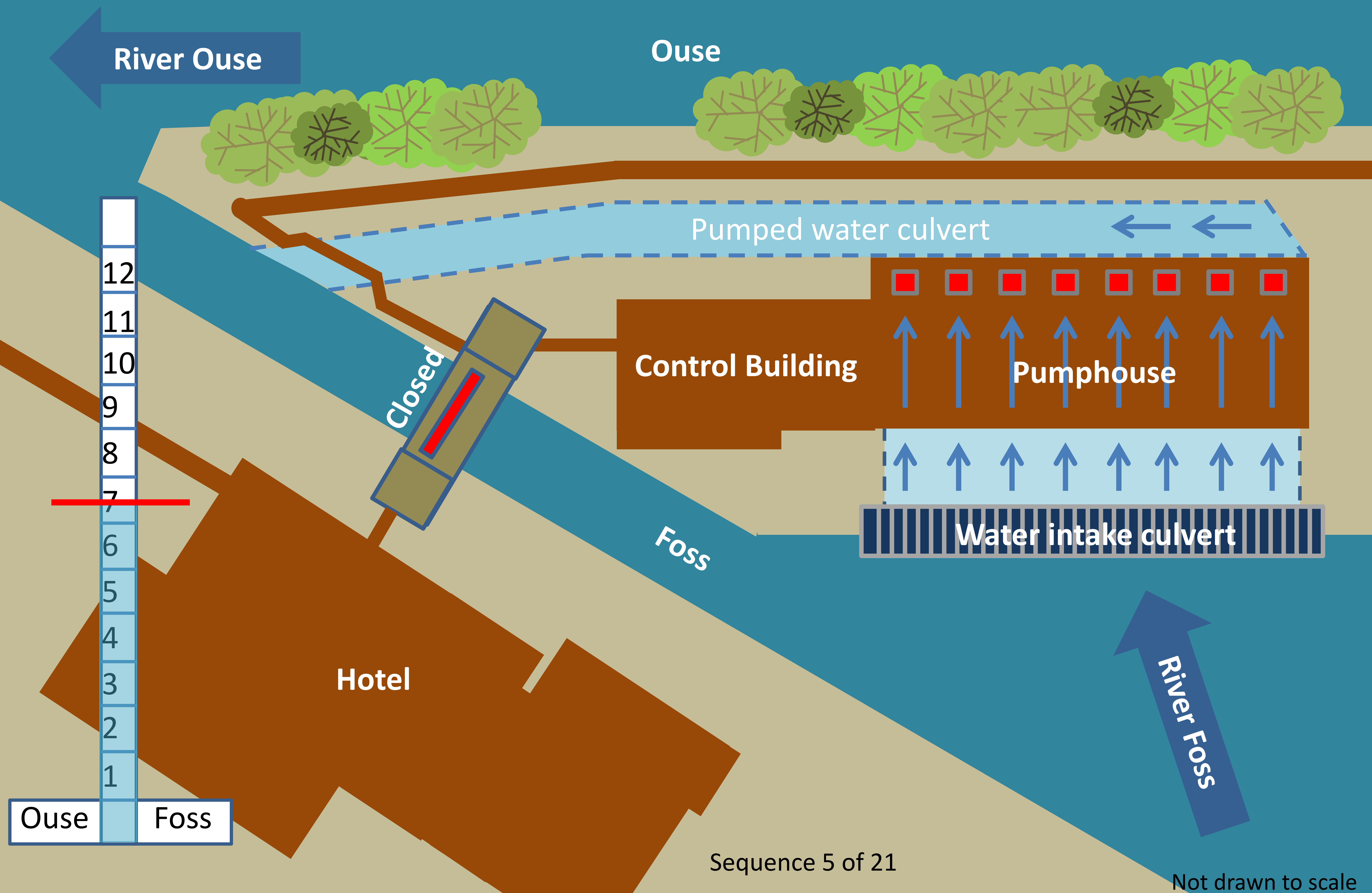


00:30 21 Dec Foss Barrier Closed and pumps activated to prevent Ouse backing up the Foss









River Ouse

Ouse

Pumped water culvert

Control Building

Pumphouse

Closed

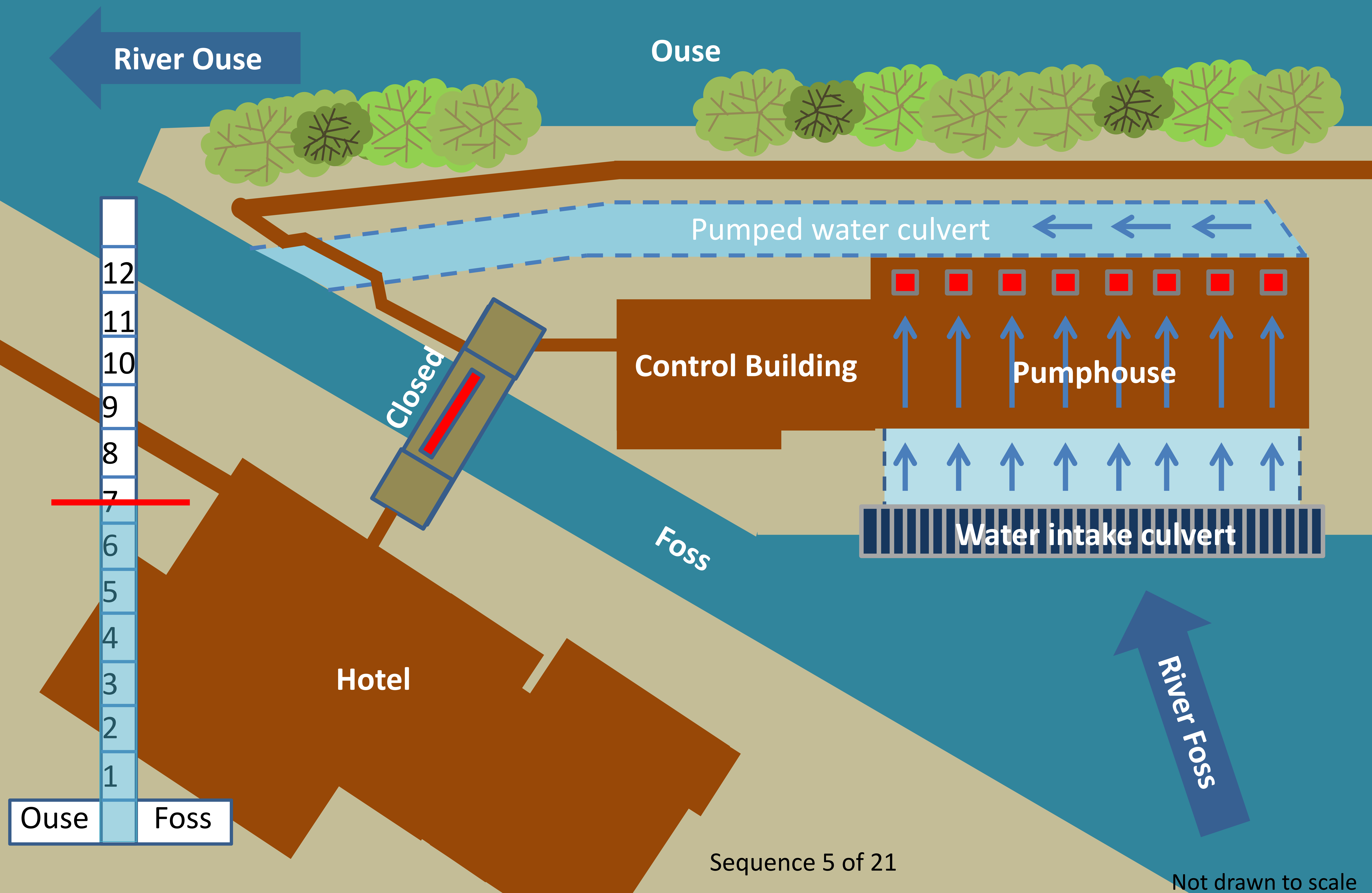
Foss

Water intake culvert

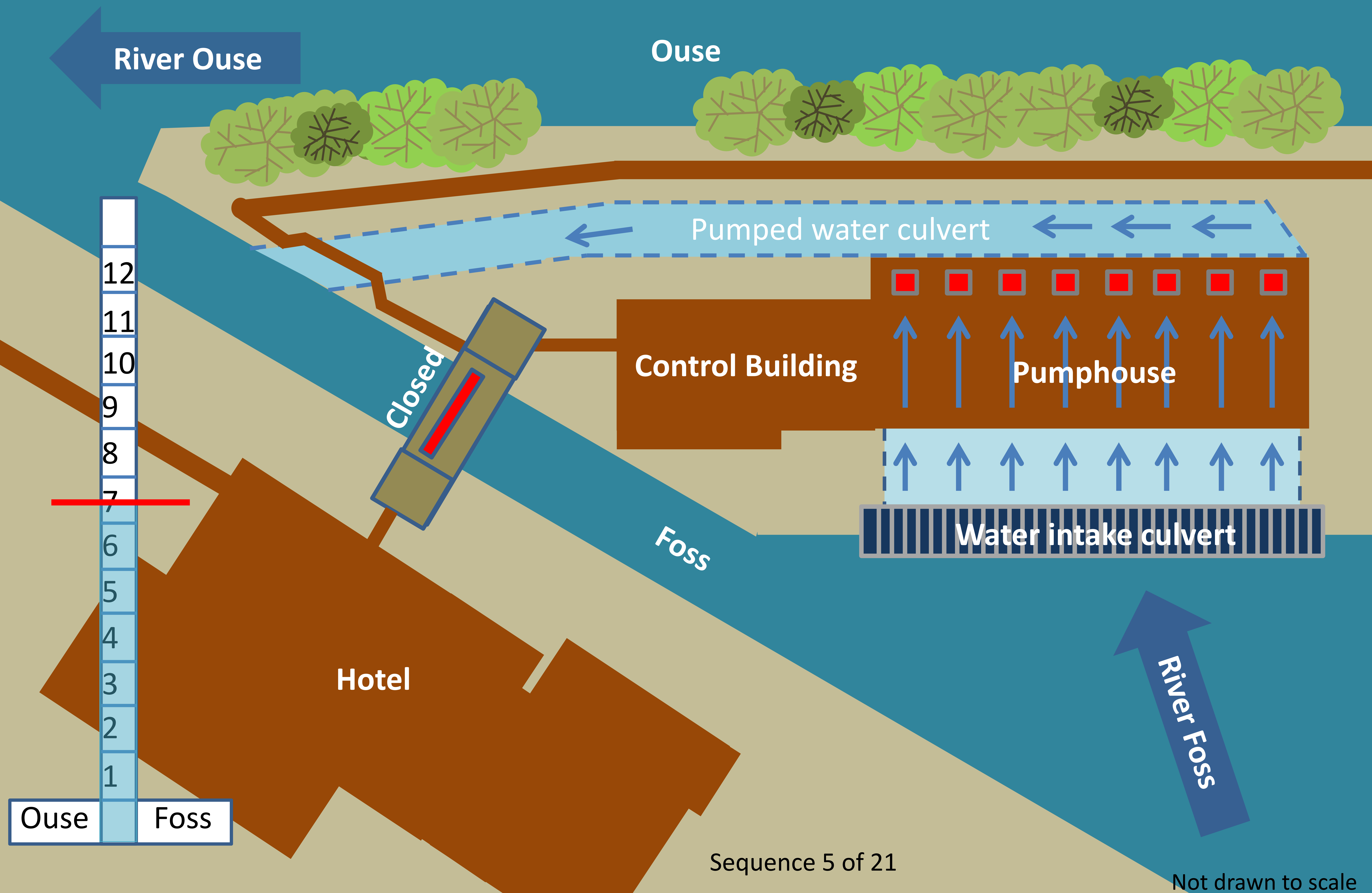
Hotel

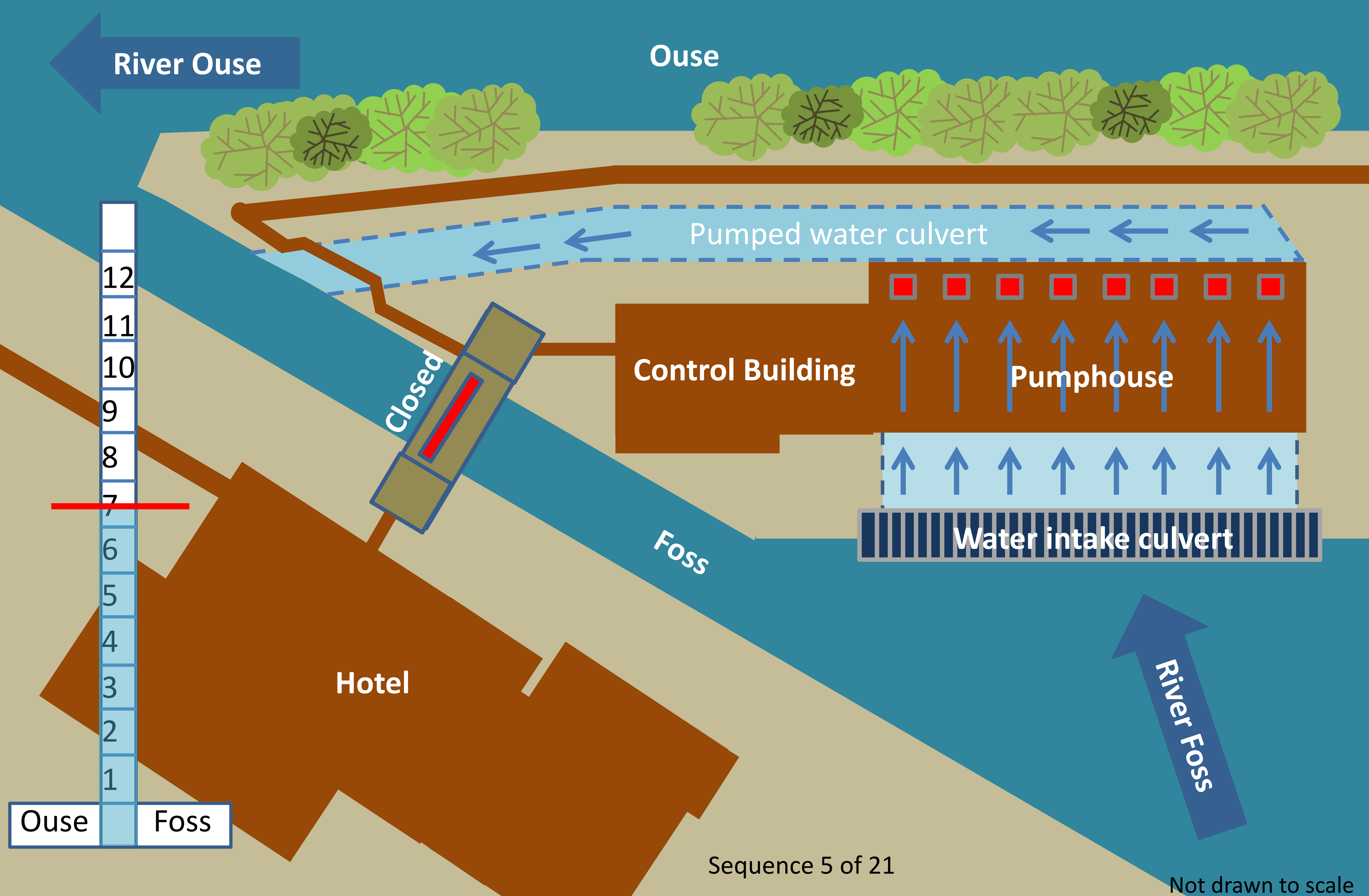
River Foss

Ouse Foss

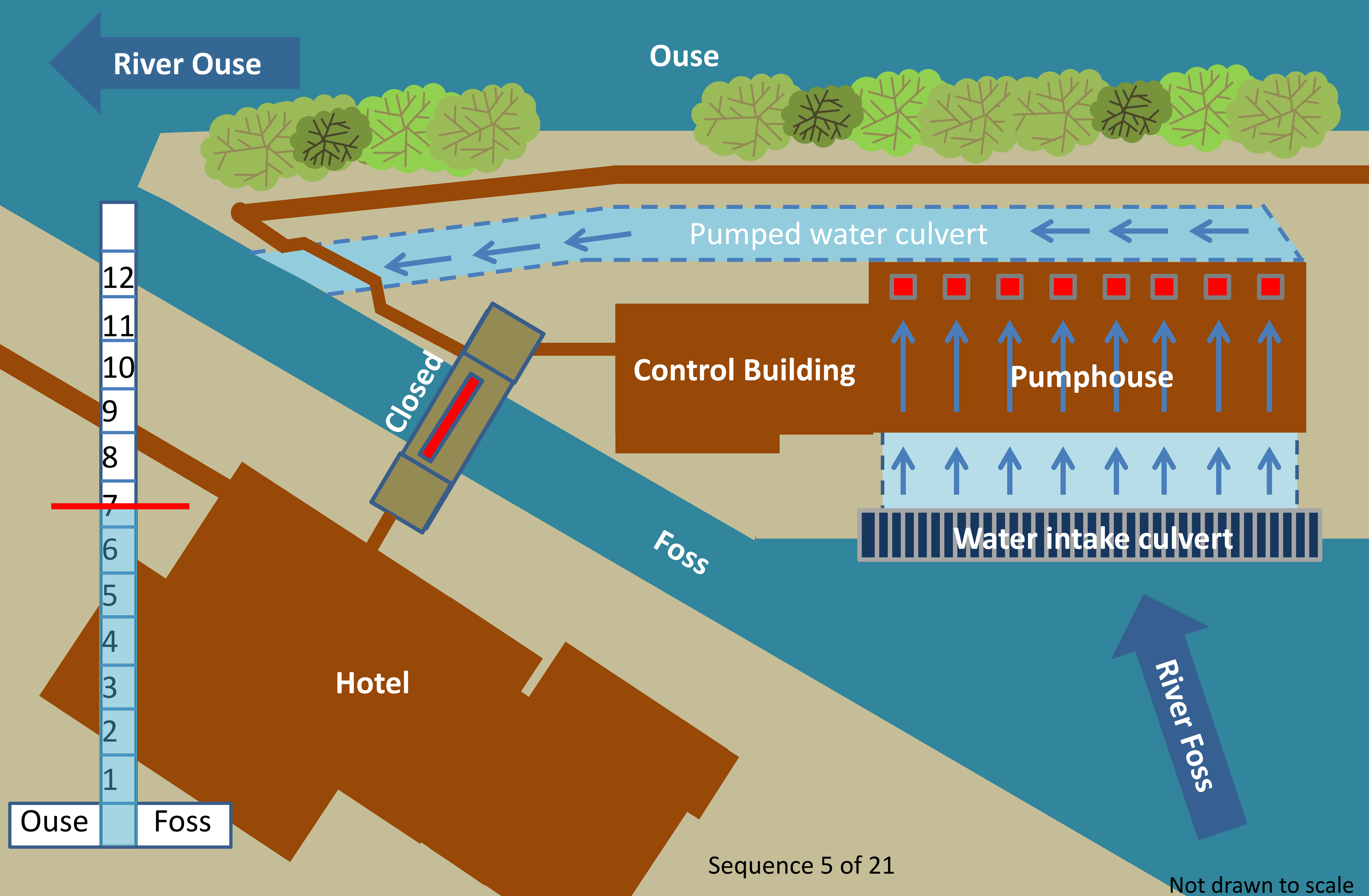


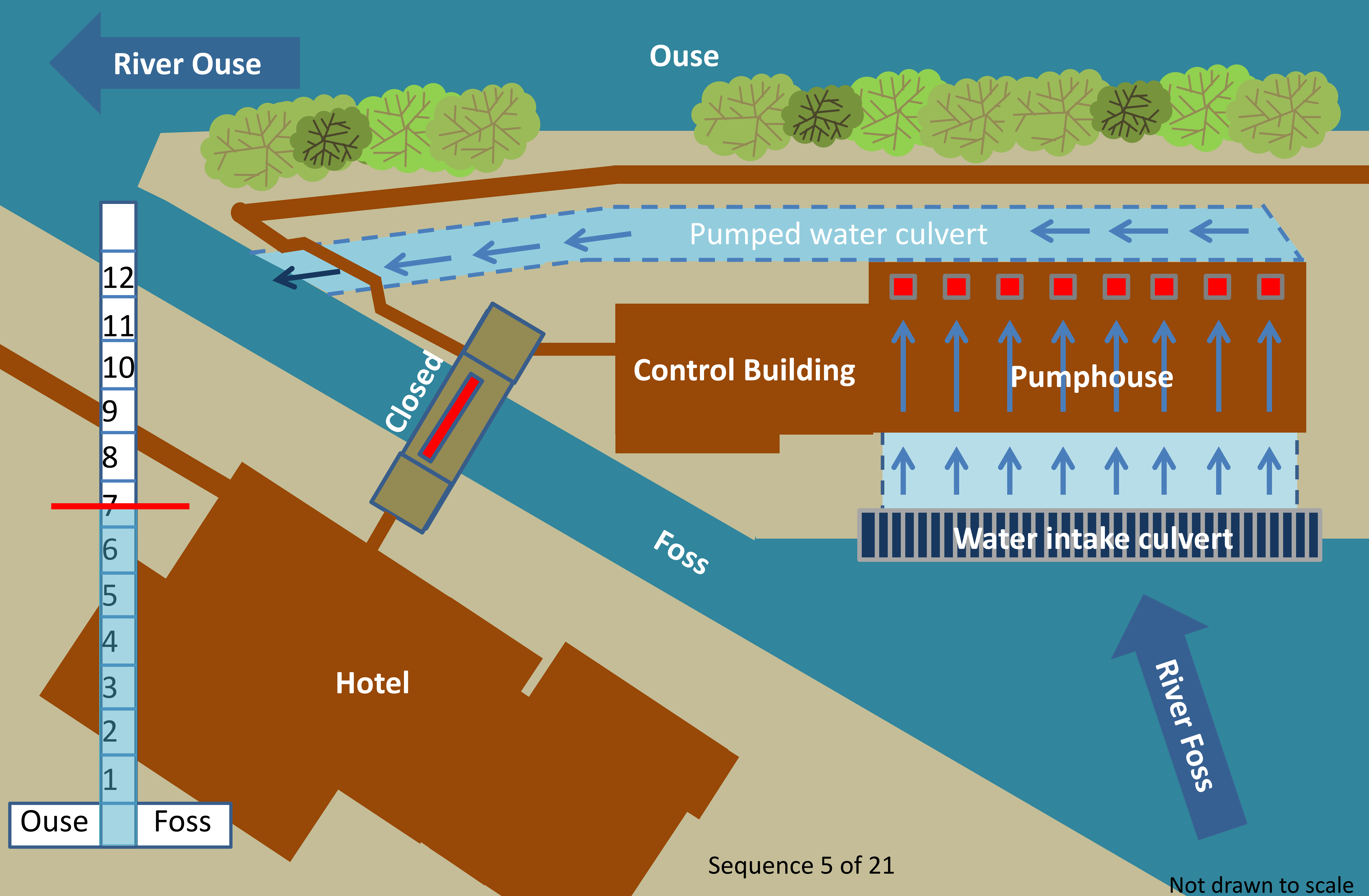




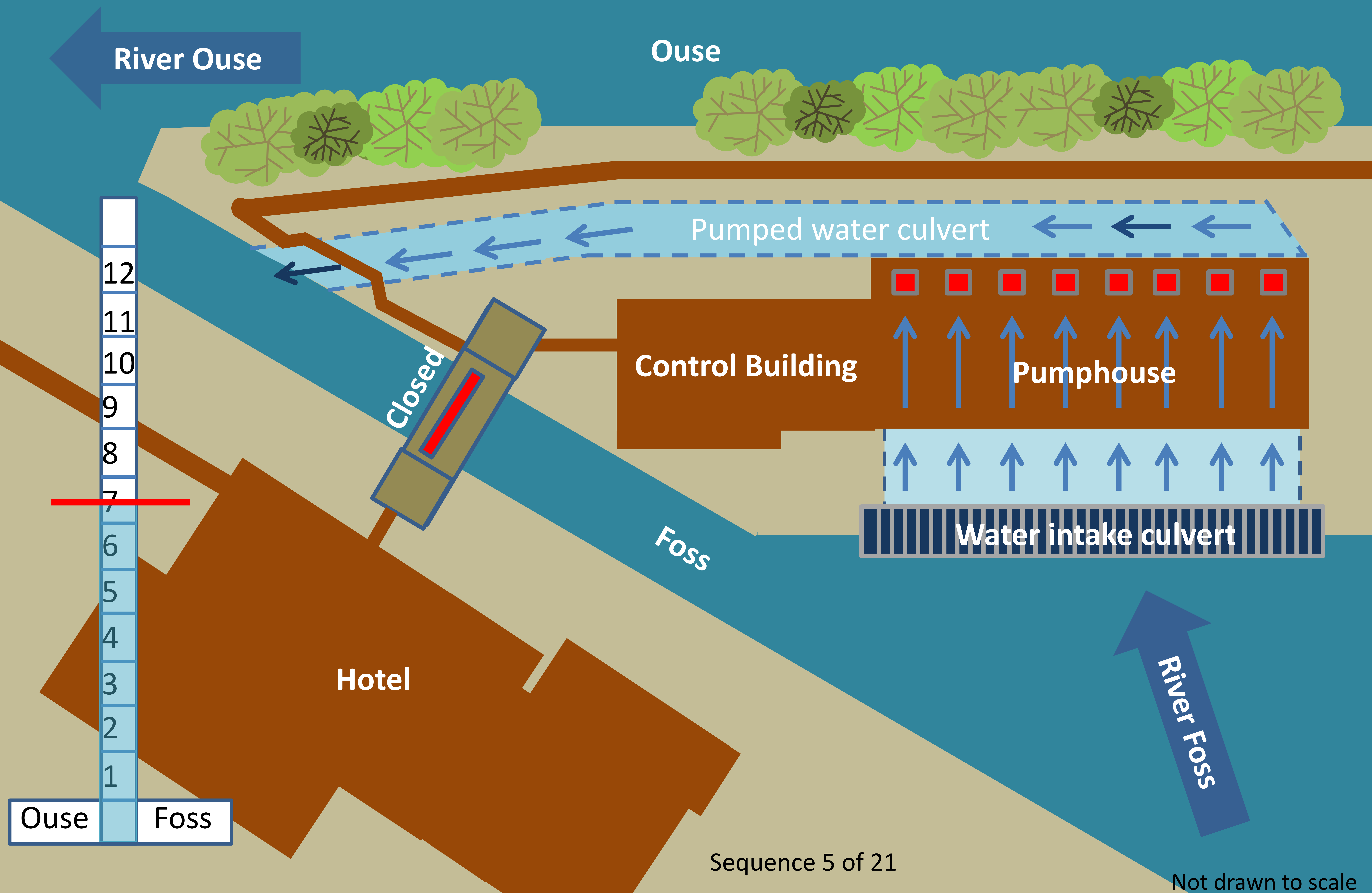




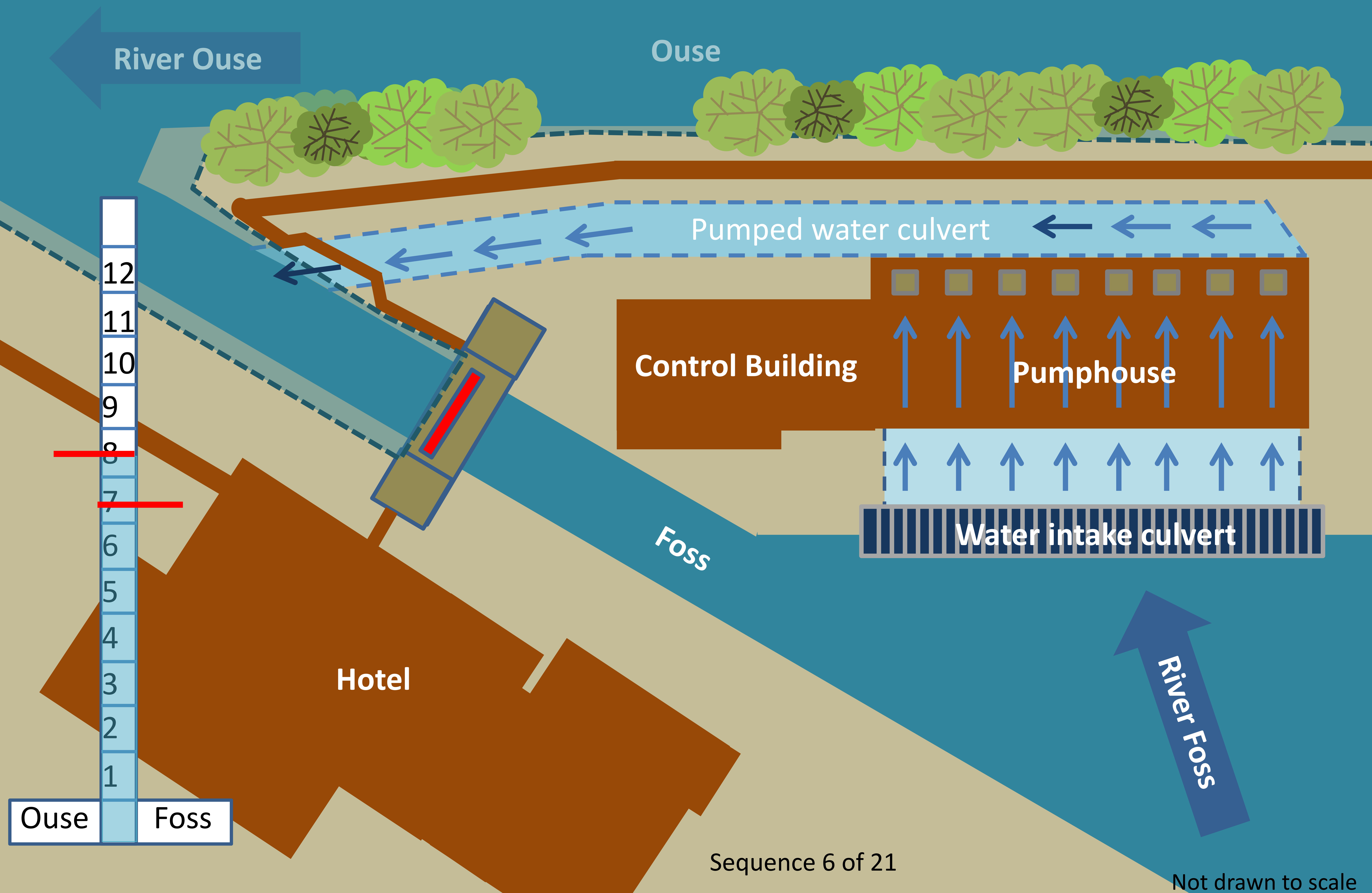






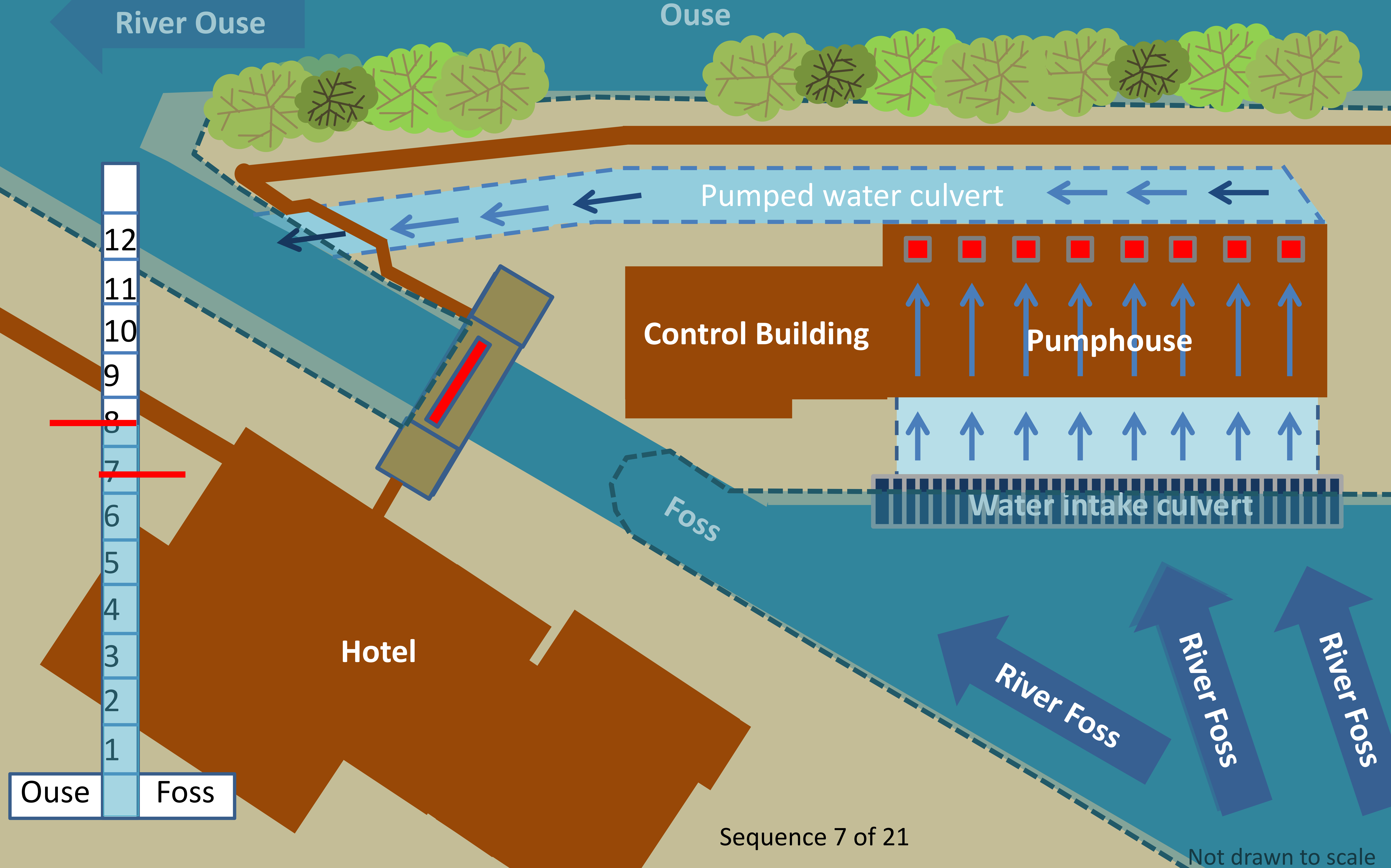


21 - 25 Dec Foss Levels Stabilise. Pumps operating. Ouse continues to slowly rise



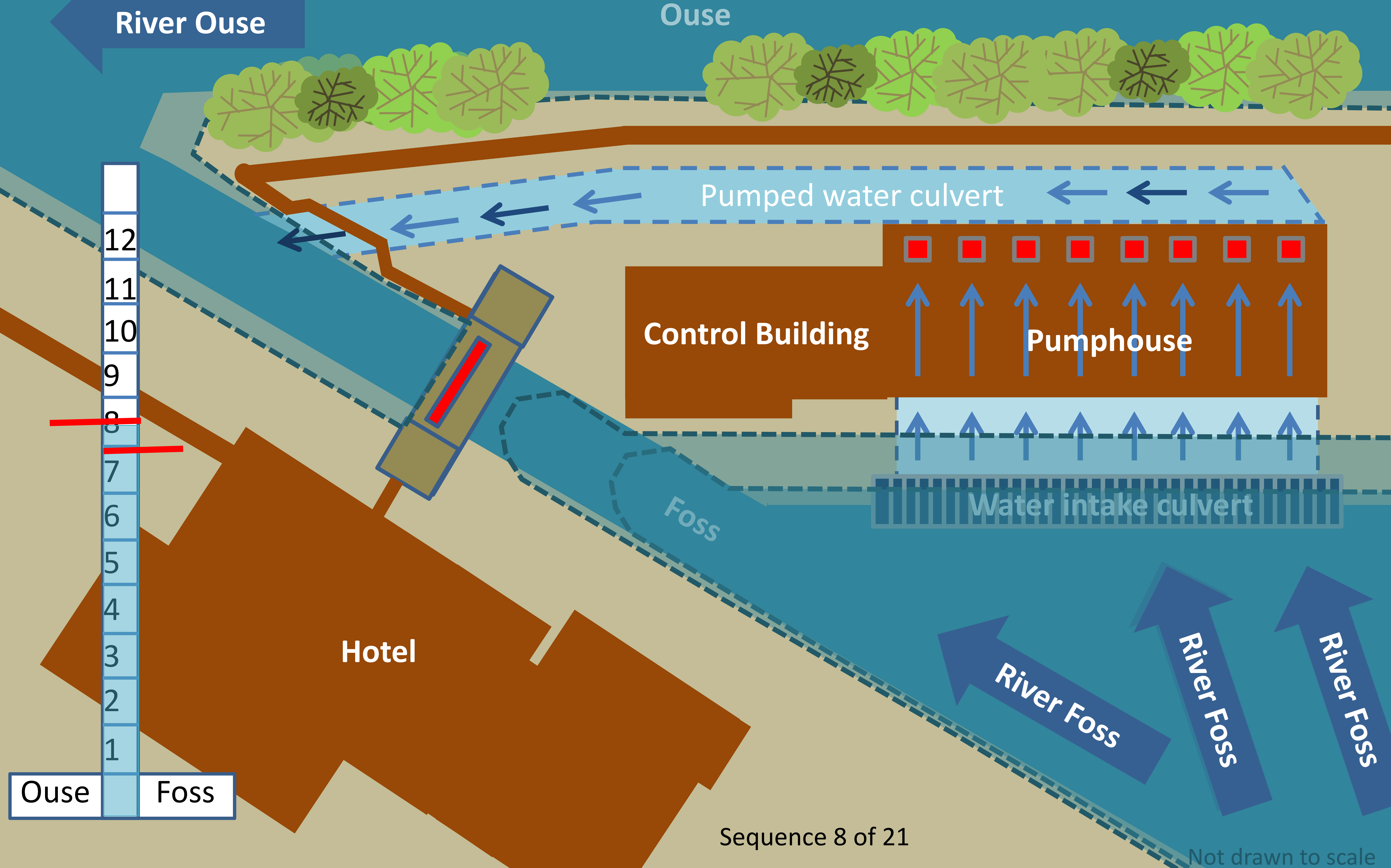


From approx 12:00 26 Dec Levels in the Foss rise quickly. Pumps fully operating but flows in the Foss exceed the capacity of the pumps. Ouse also still rising



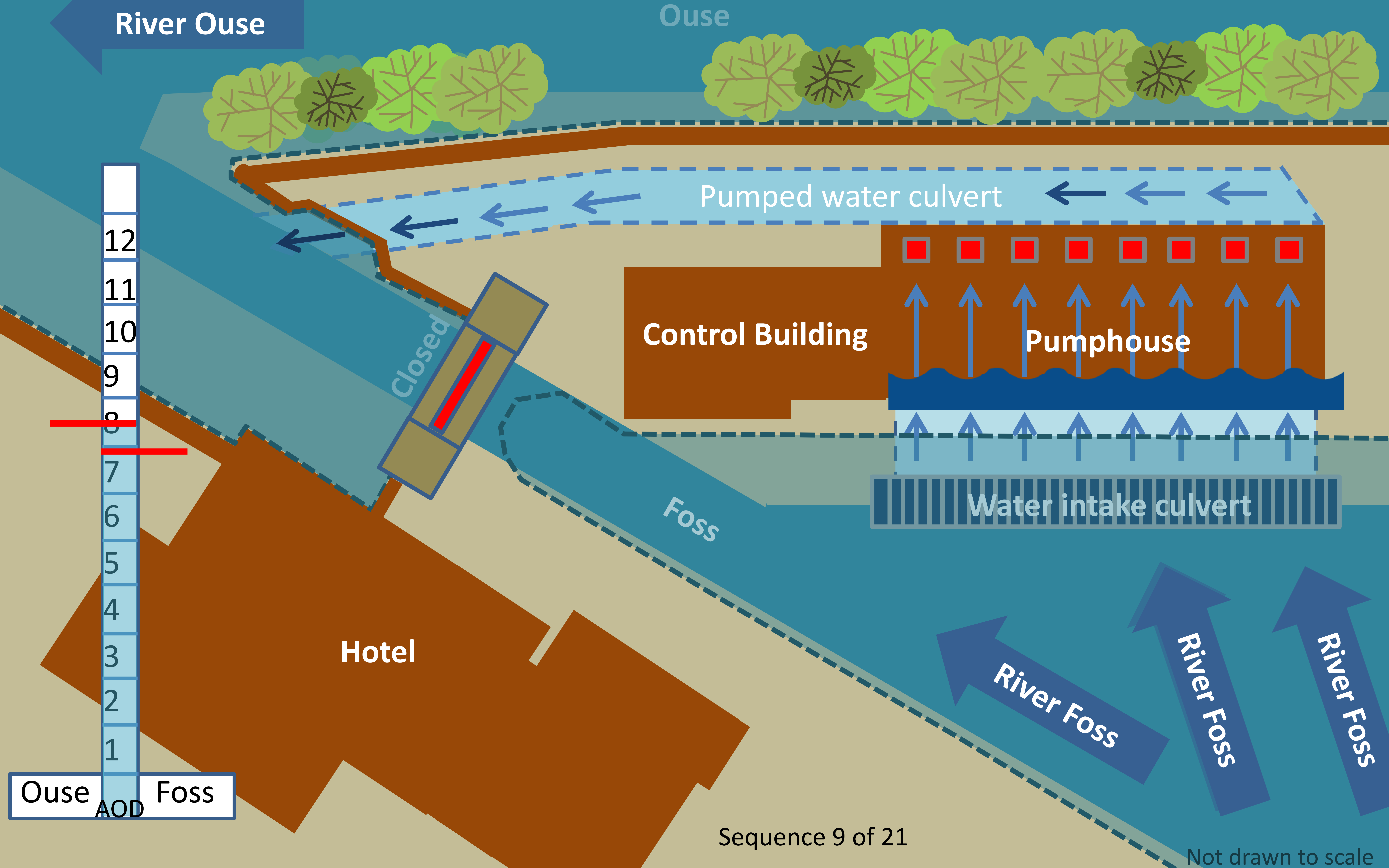


15:00    26 Dec    Levels in the Foss rise quickly. Pumps operating but not managing the levels. Ouse still rising

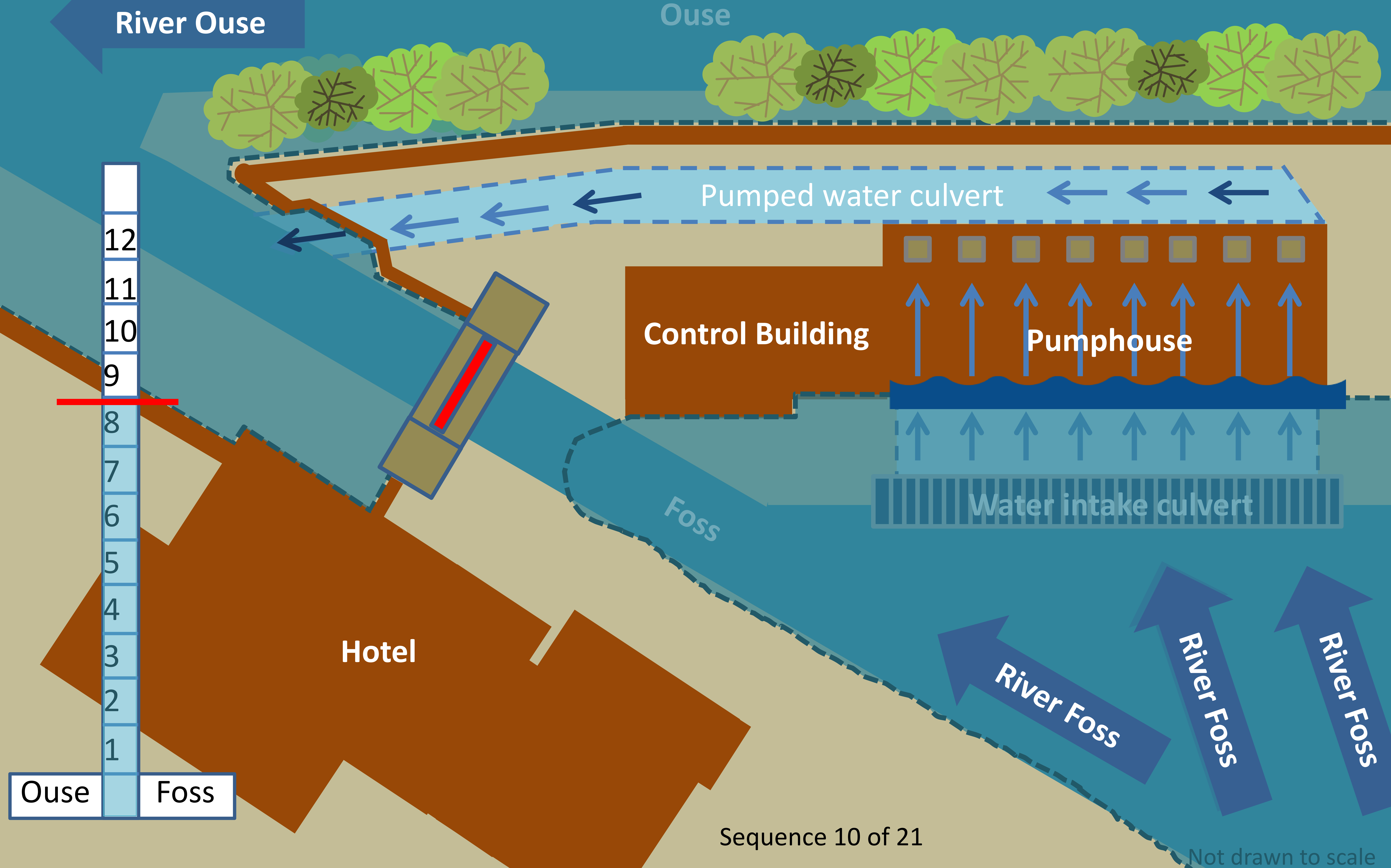




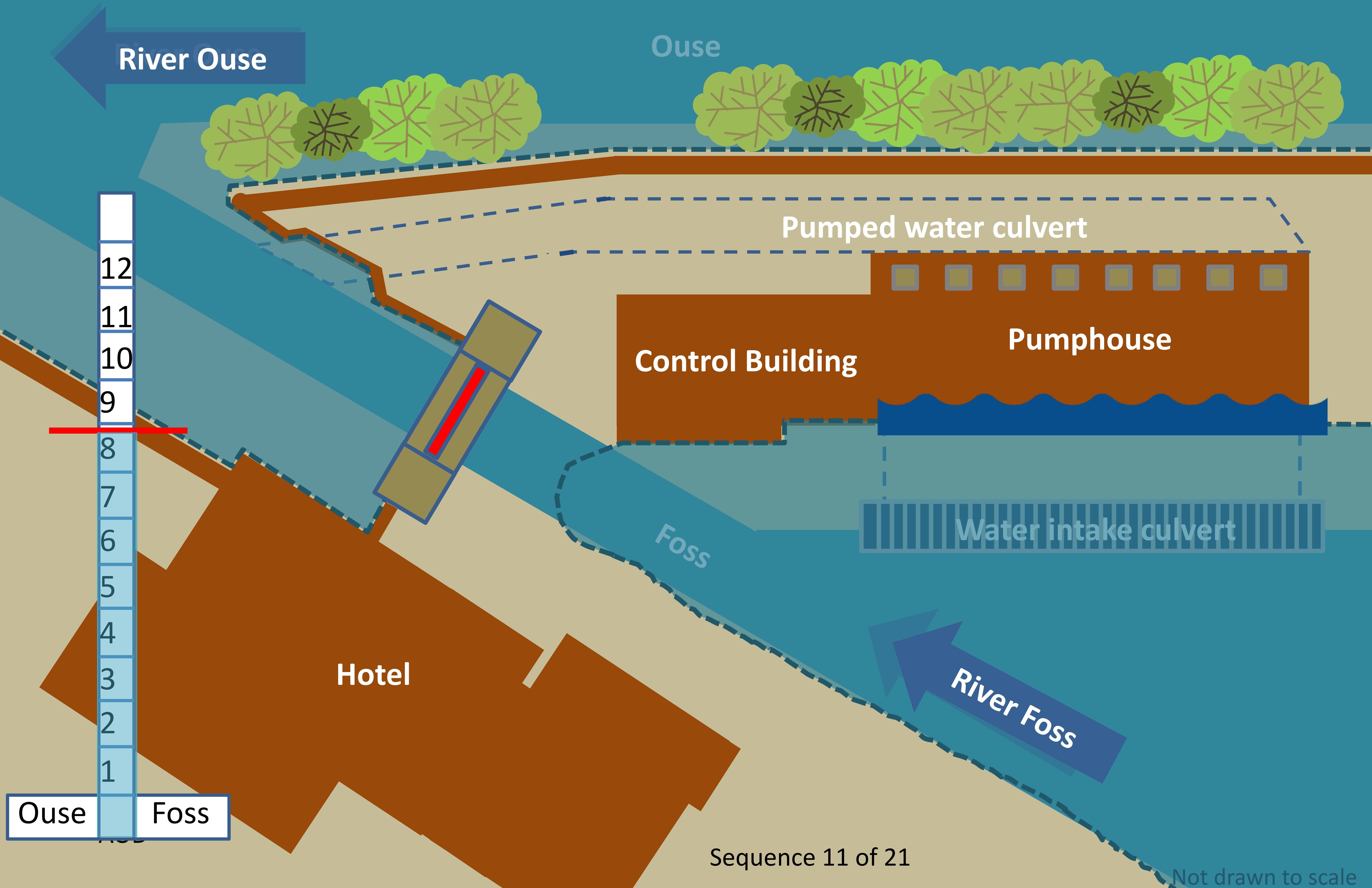
15:00 26 Dec Water levels inside Pumphouse are rising as water comes into the building.

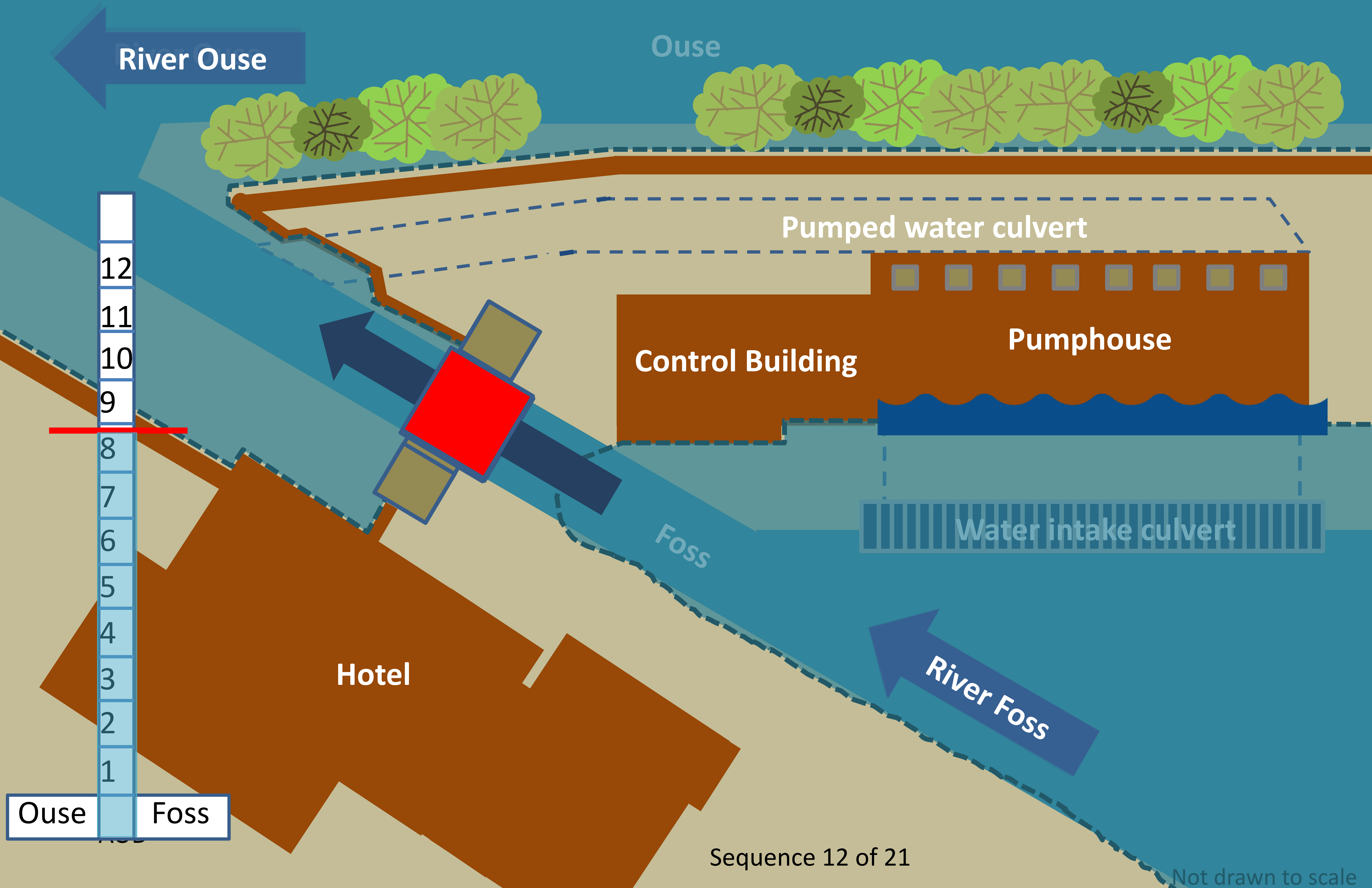


15:00    26 Dec    Decision made to raise the barrier as levels in Foss rising quickly and water in the pumphouse . Levels in Ouse and Foss are nearly equal.



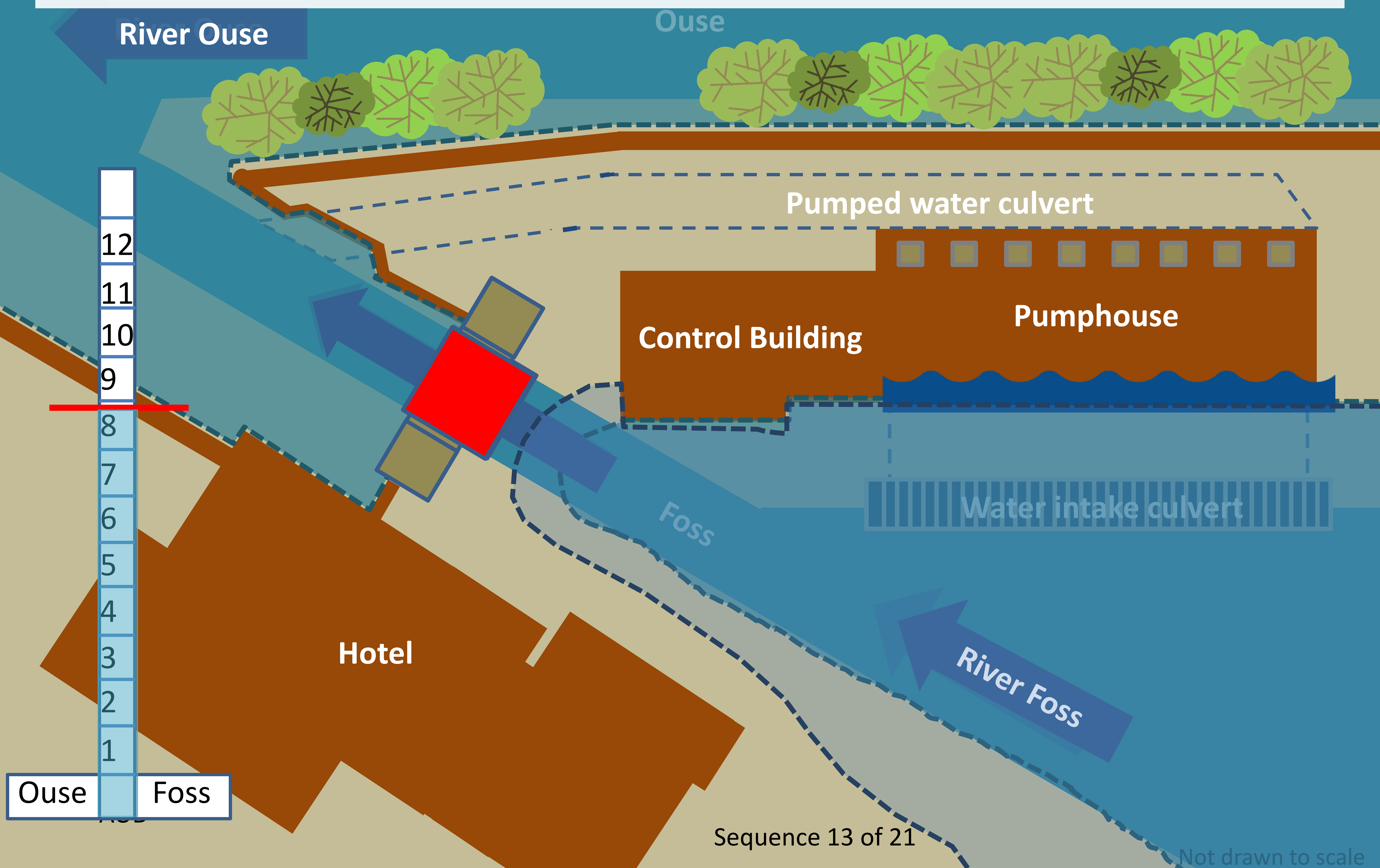




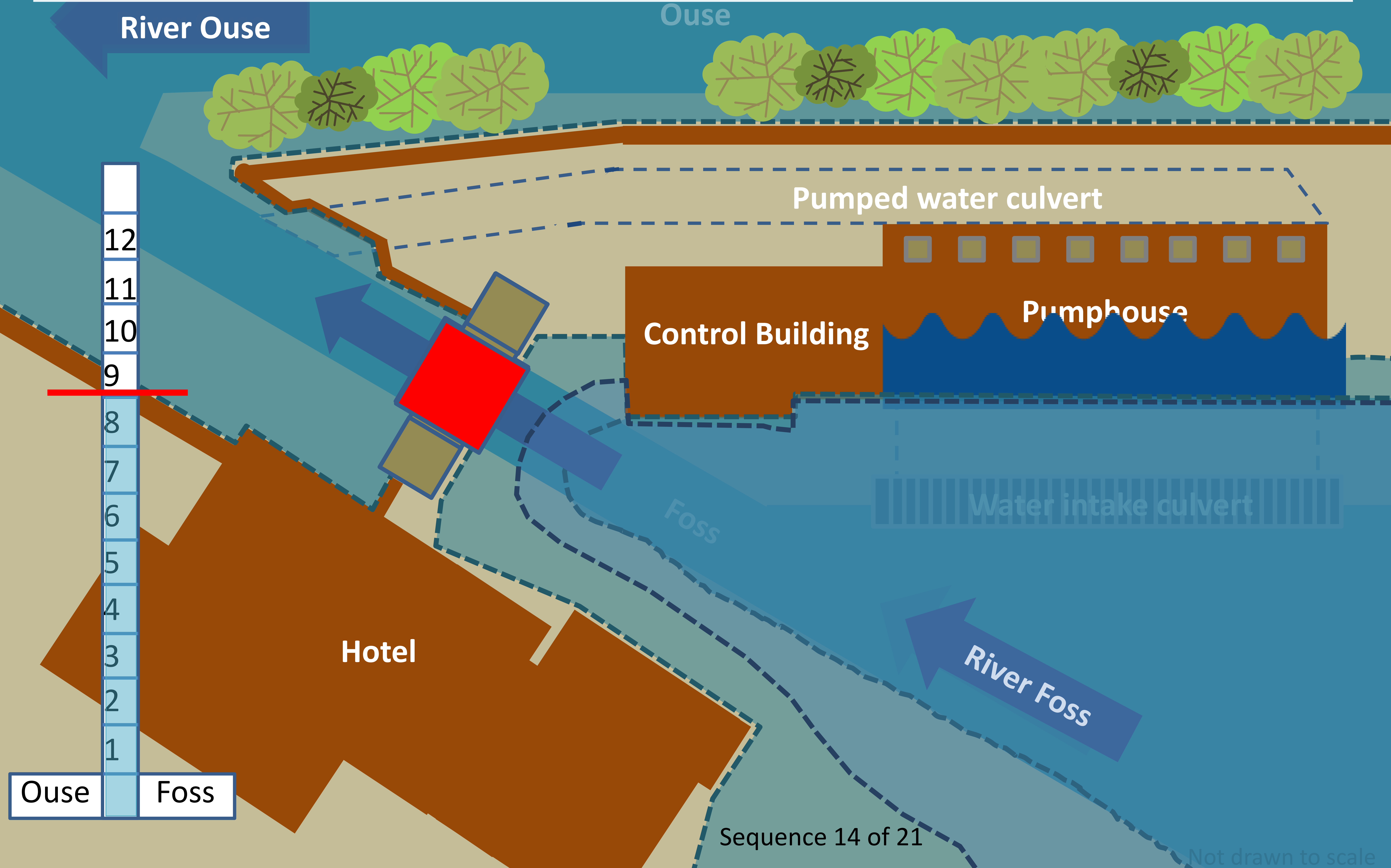




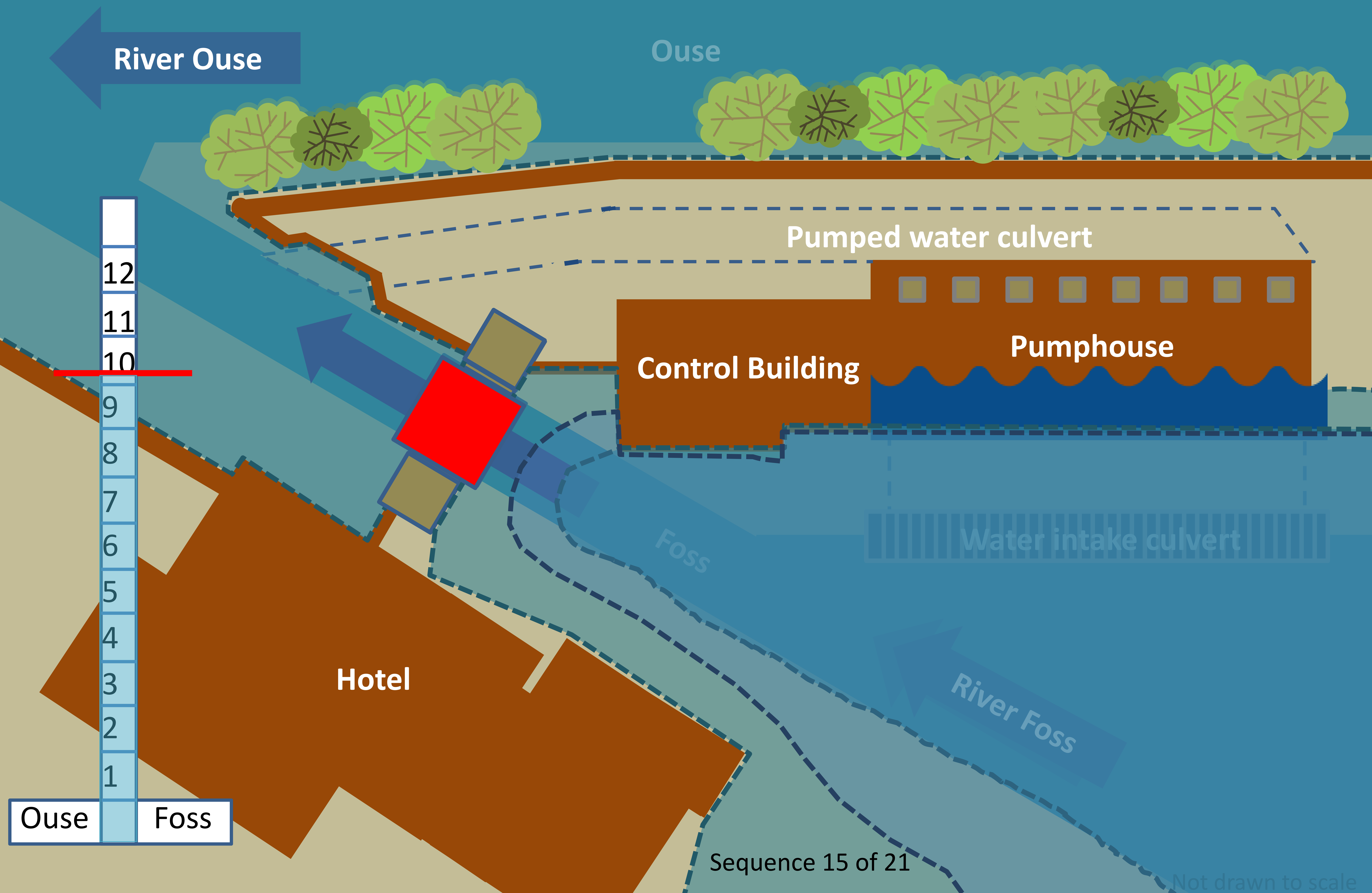
**26 Dec** Pumps turned off at 18.45. Foss Barrier opened at 19:00. Power then switched off.



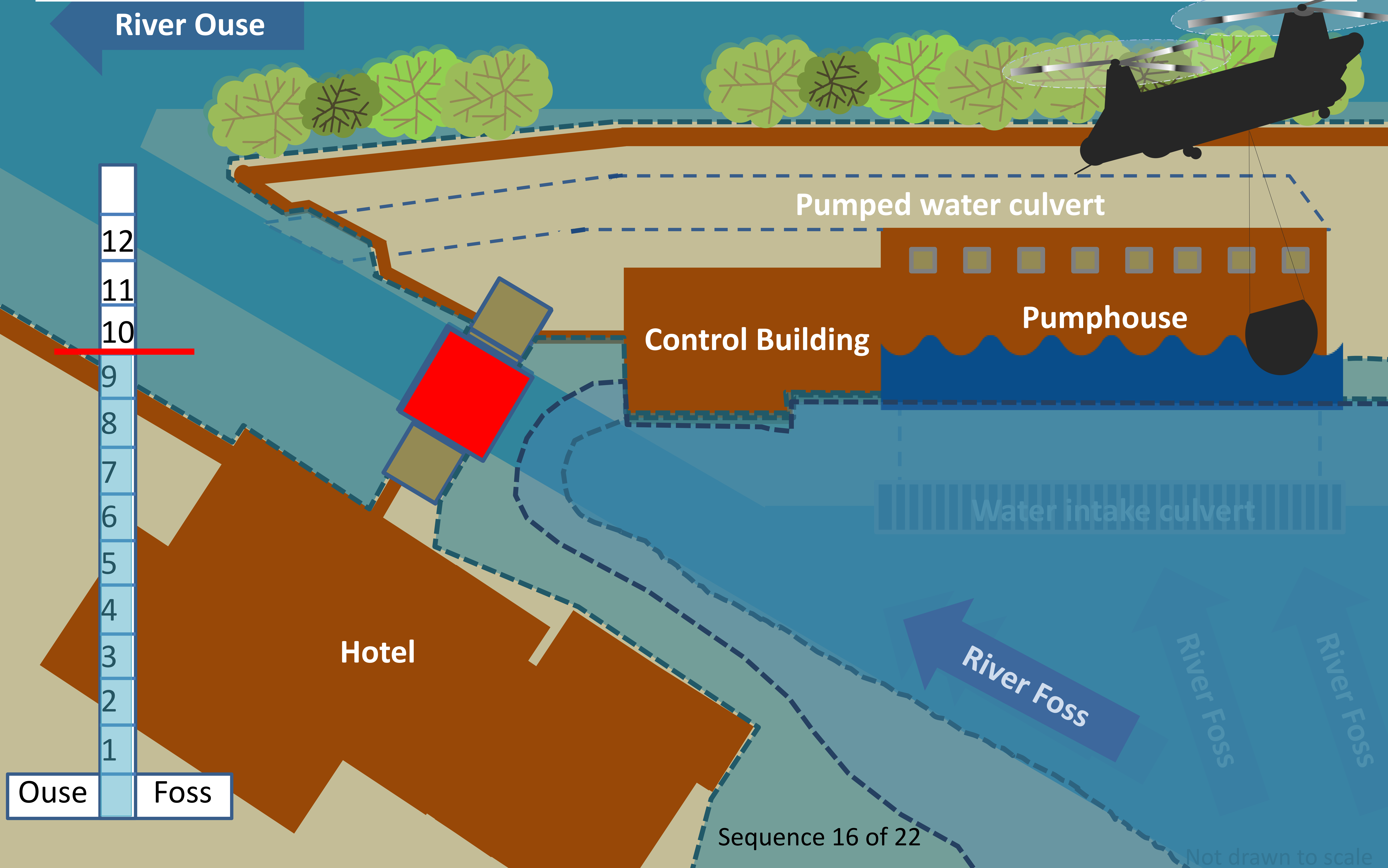
**20:00     26 Dec** Levels in the Foss and Ouse at 9.0m AOD . Water in the Pumphouse has flooded the power supply. Levels on the Foss rising more slowly with barrier open .





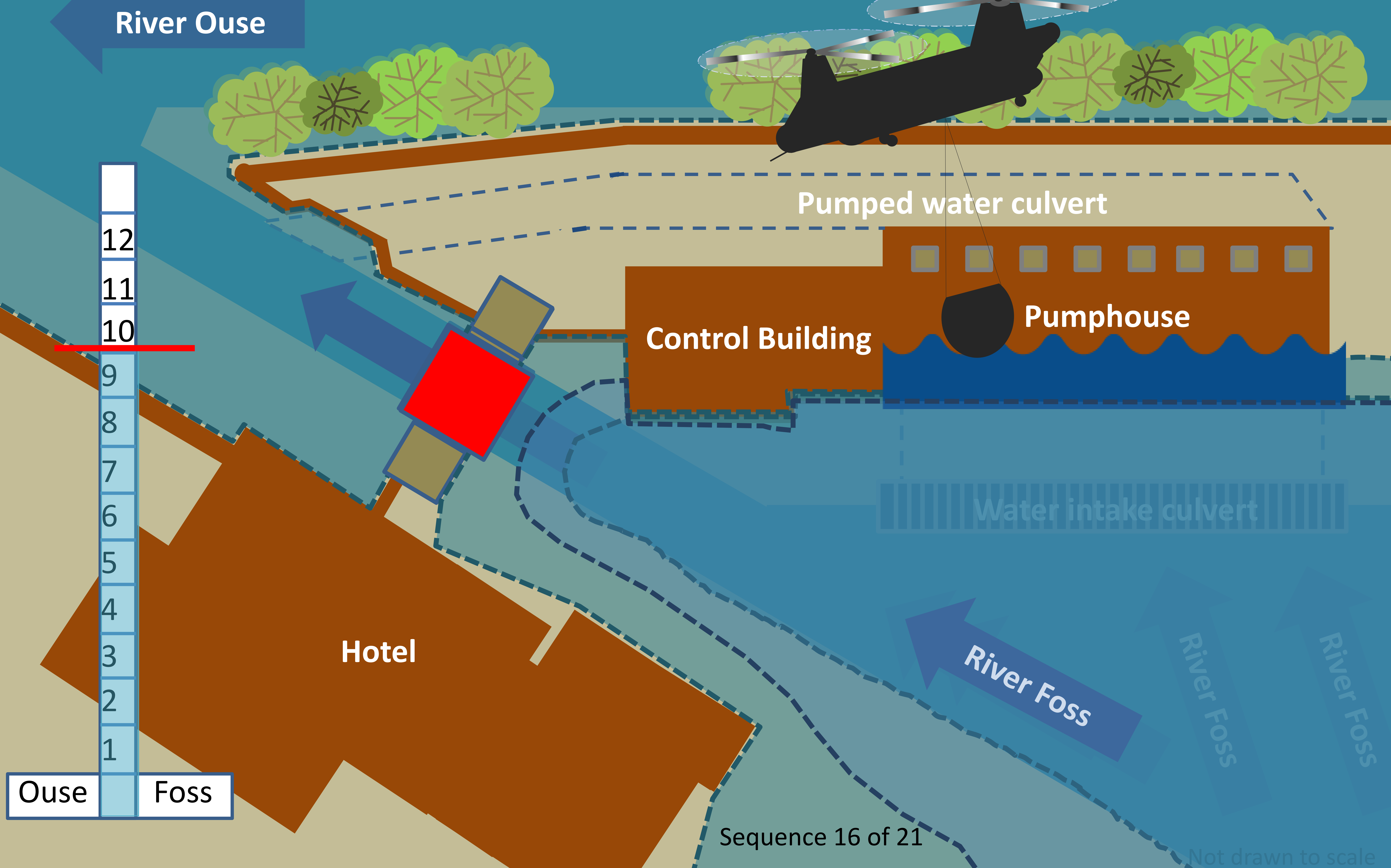


09:00 - 24:00 28 Dec New pump starters are lowered onto roof and connected to pumps.  
New generator connected to gate. Ouse and Foss at 10.0m AOD and slowly falling



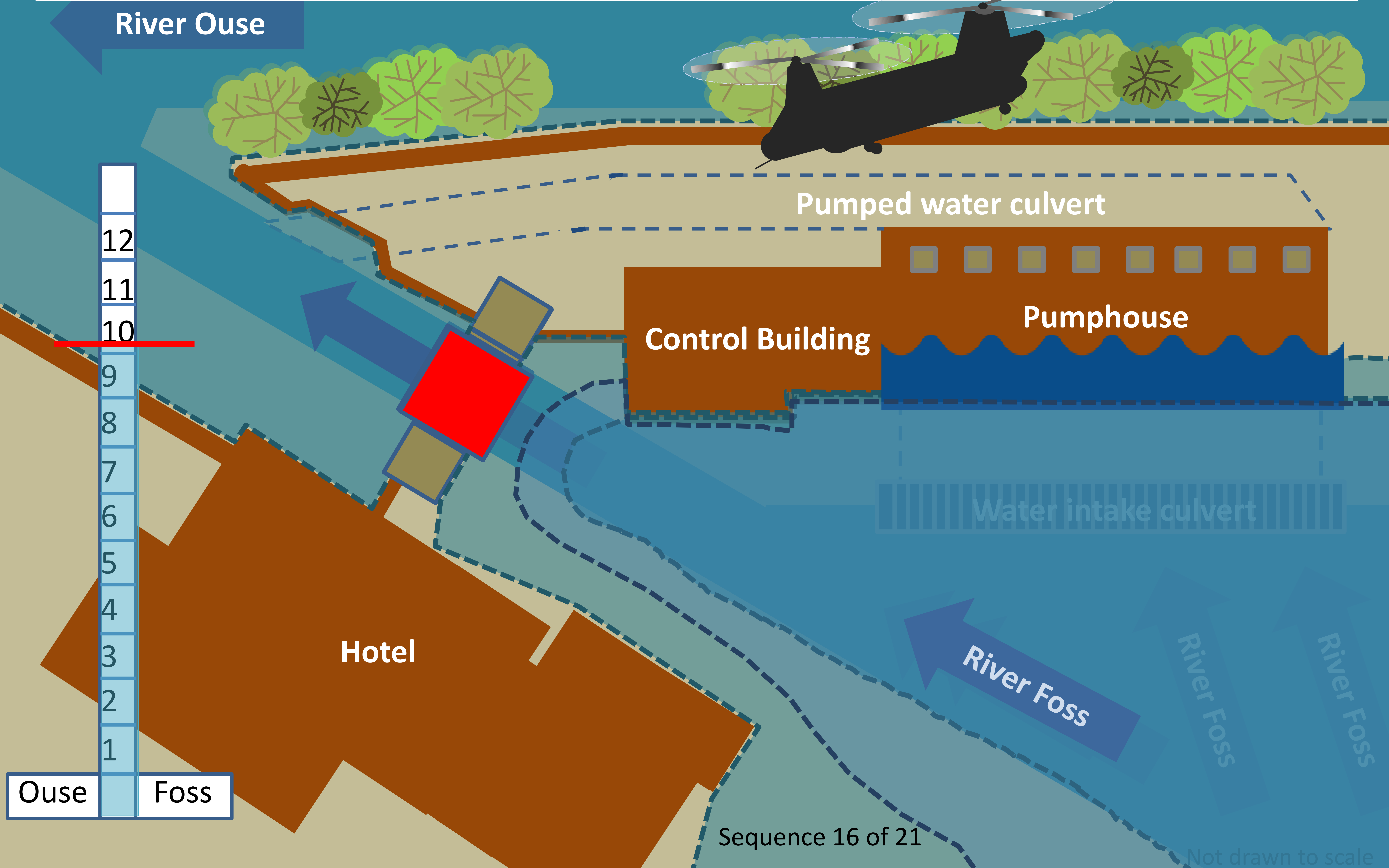


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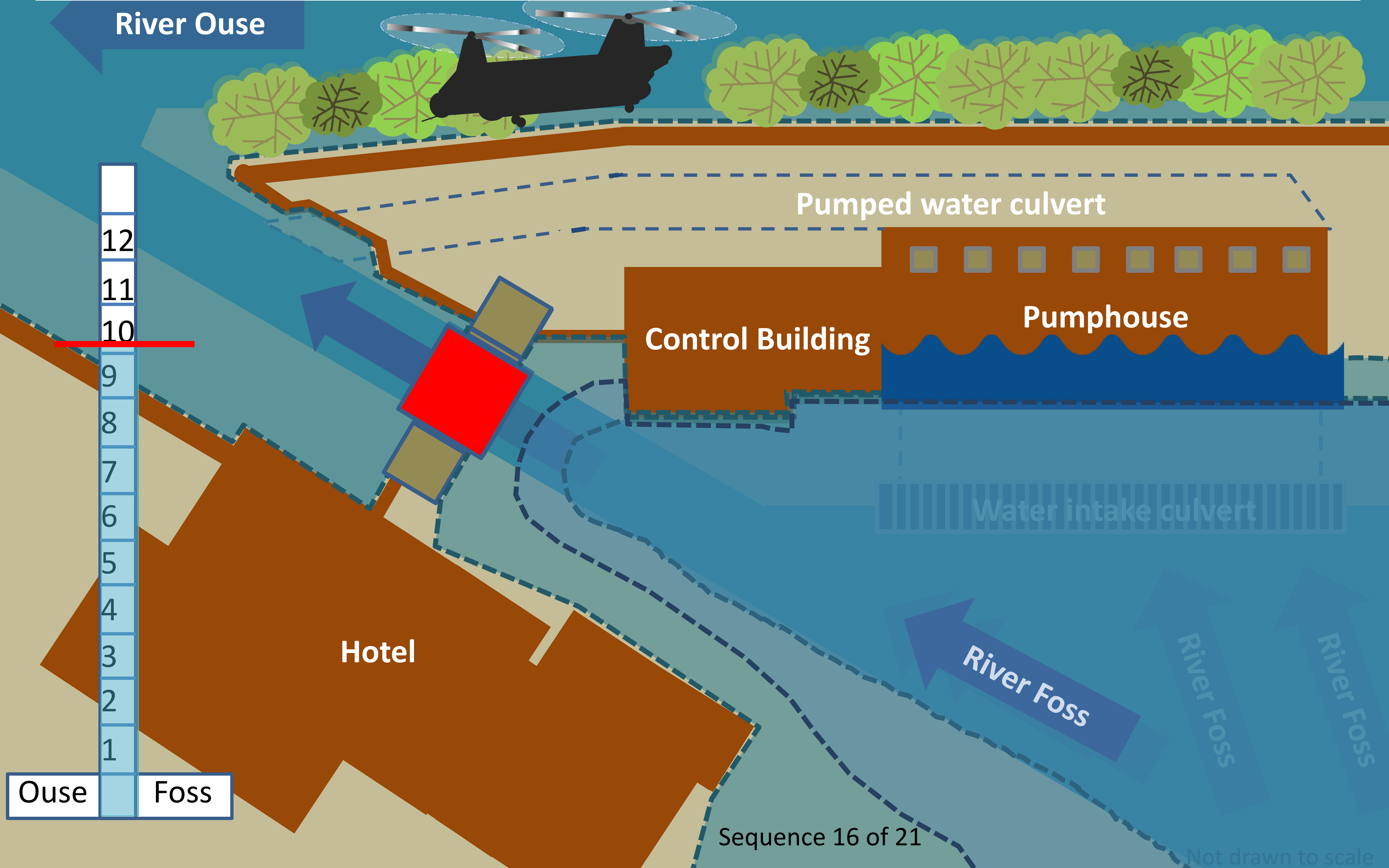


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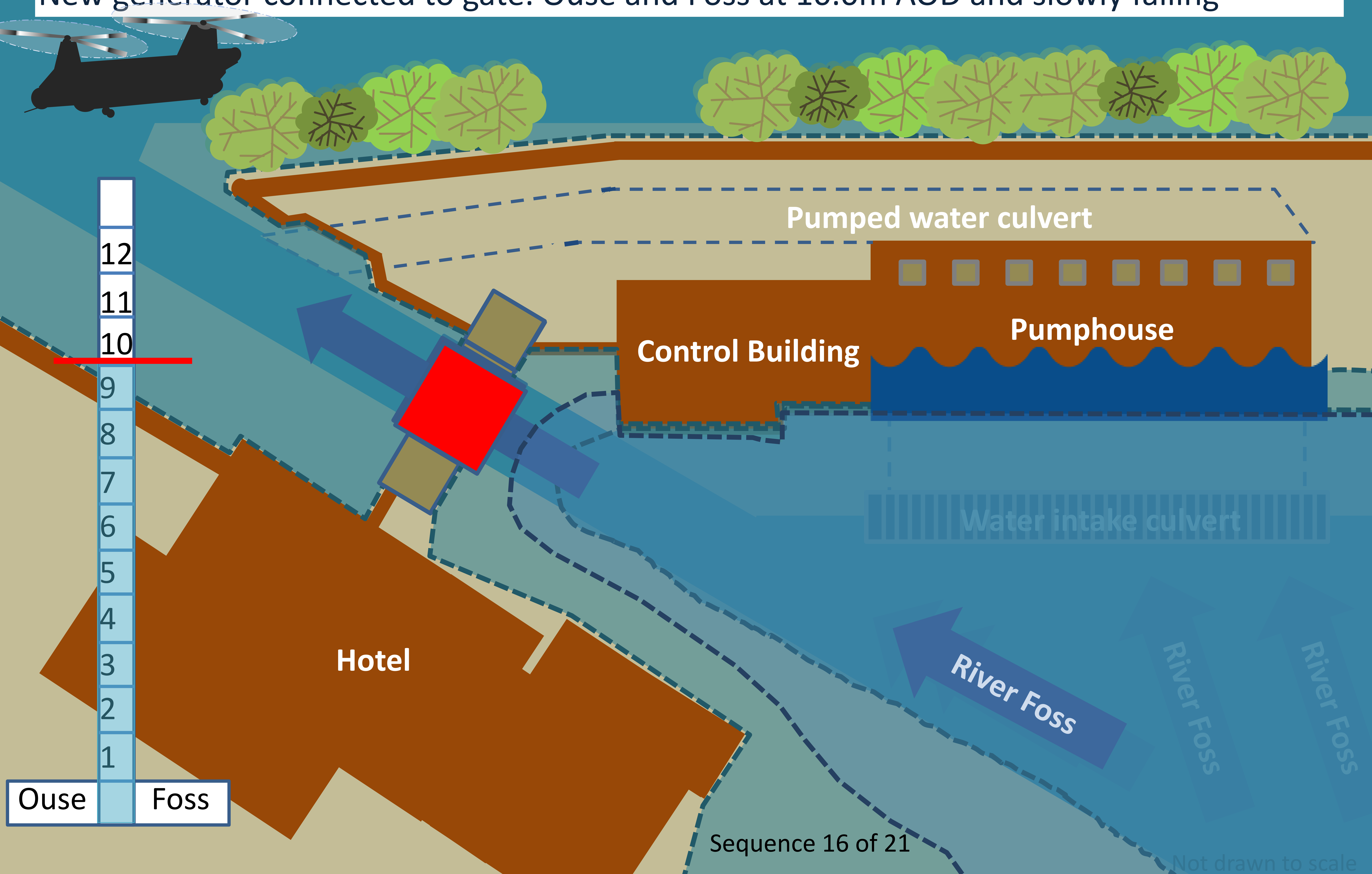


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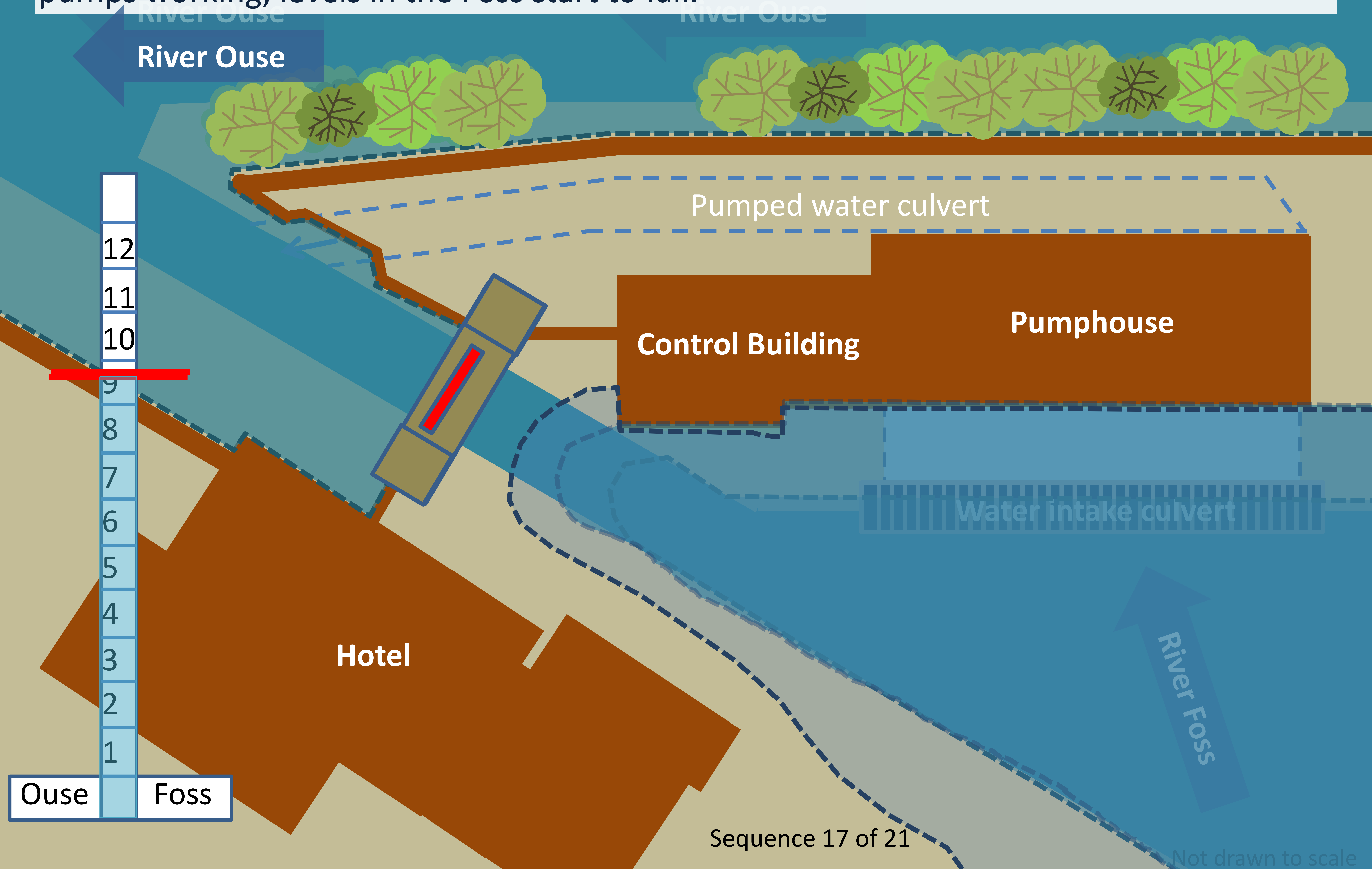


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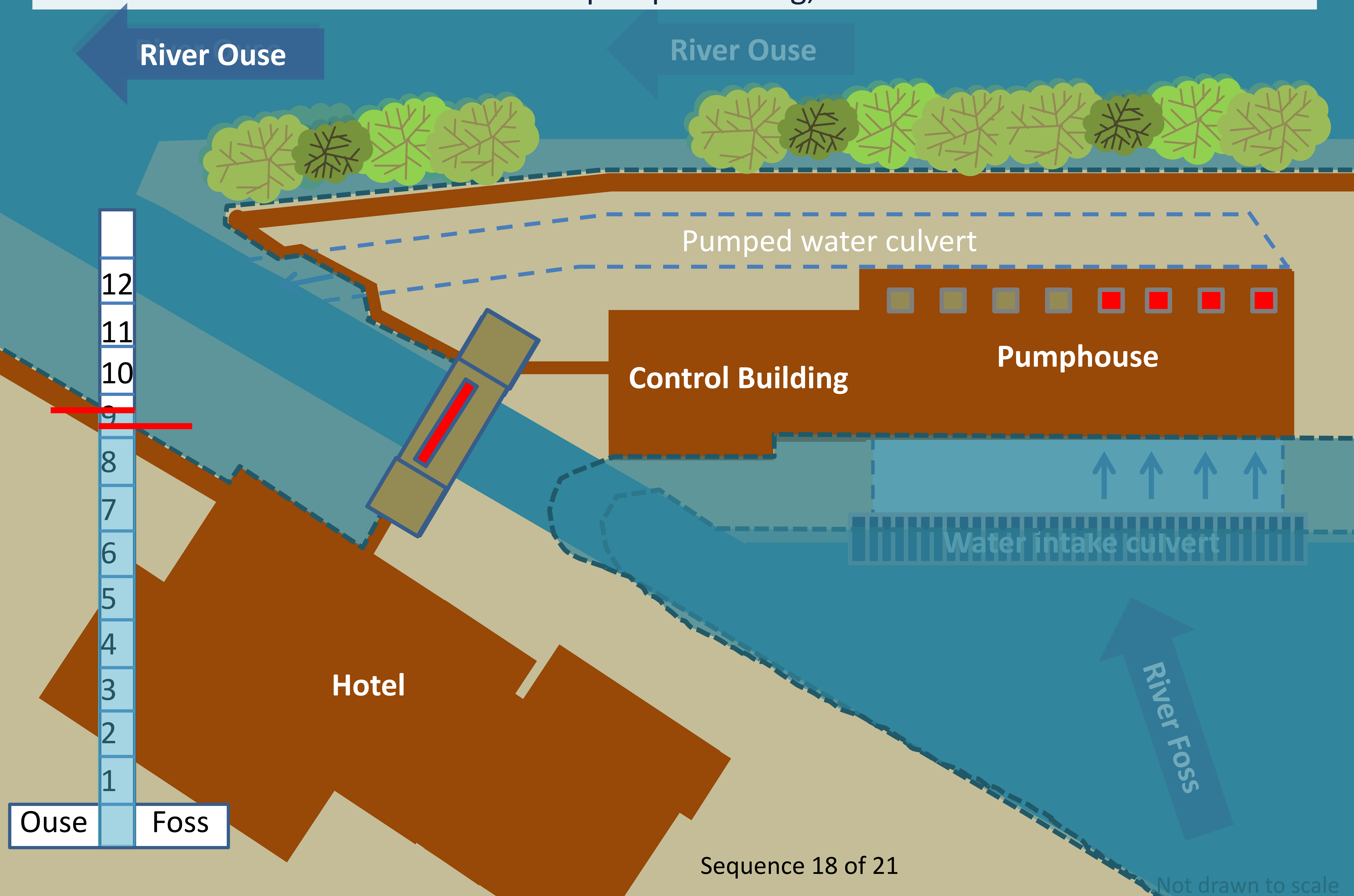




00:50 29 Dec River levels on the Ouse and the Foss at 9.7m AOD Gate lowered and four pumps working, levels in the Foss start to fall.



00:50 29 Dec Gate lowered and four pumps working, levels in the Foss start to fall.

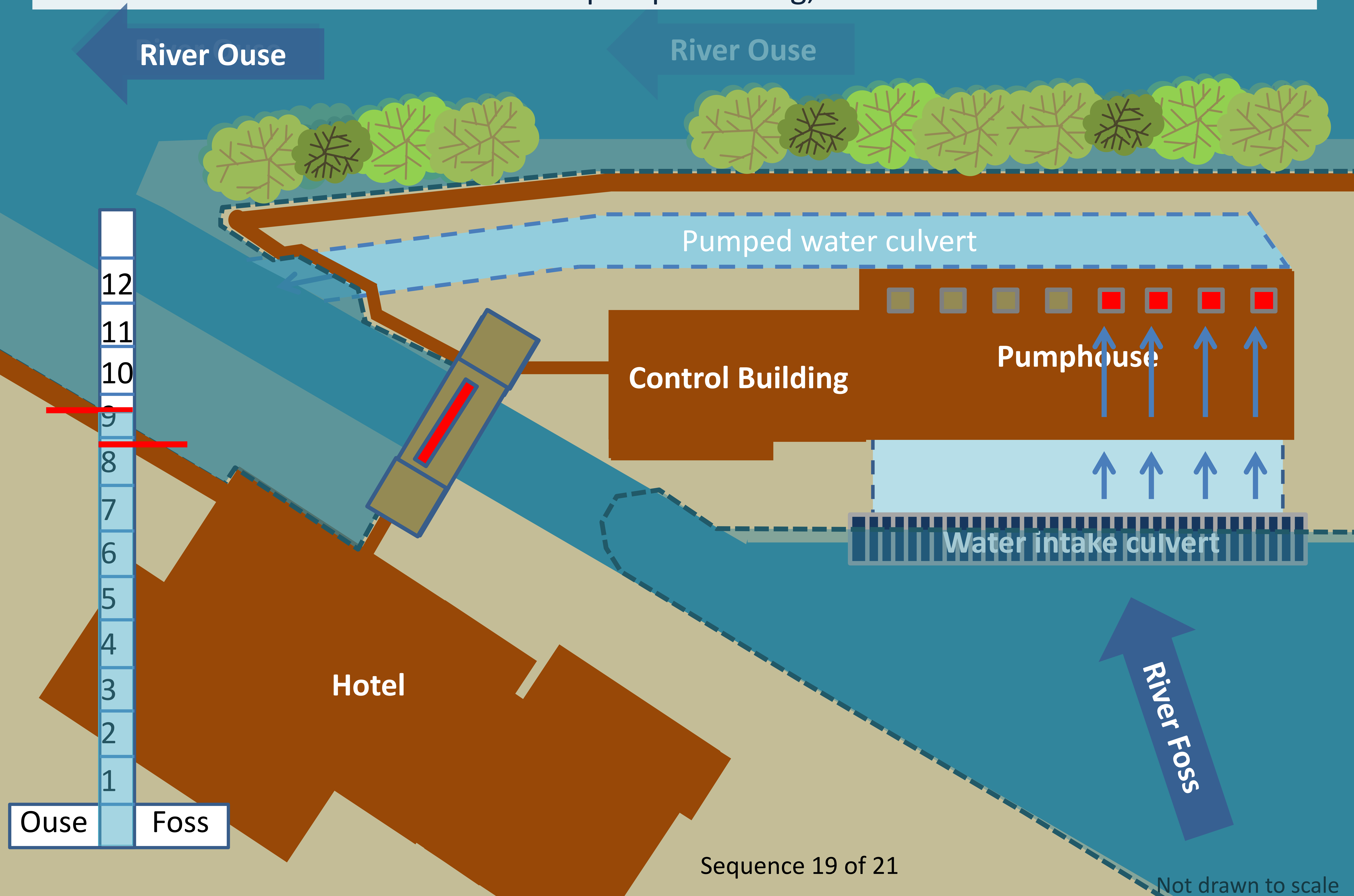


12  
11  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1

Ouse Foss

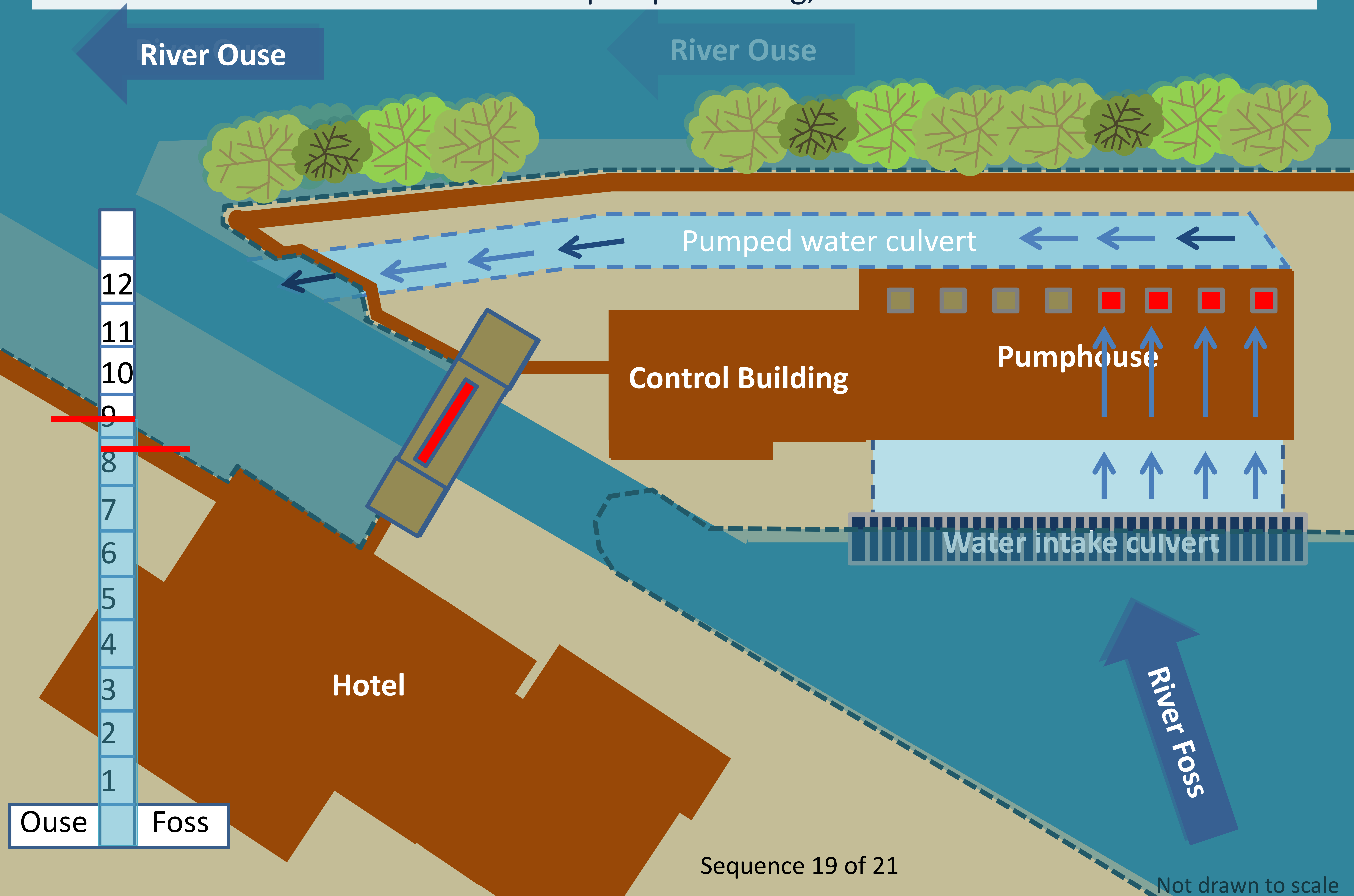


01:50 29 Dec Gate lowered and four pumps working, levels in the Foss start to fall.



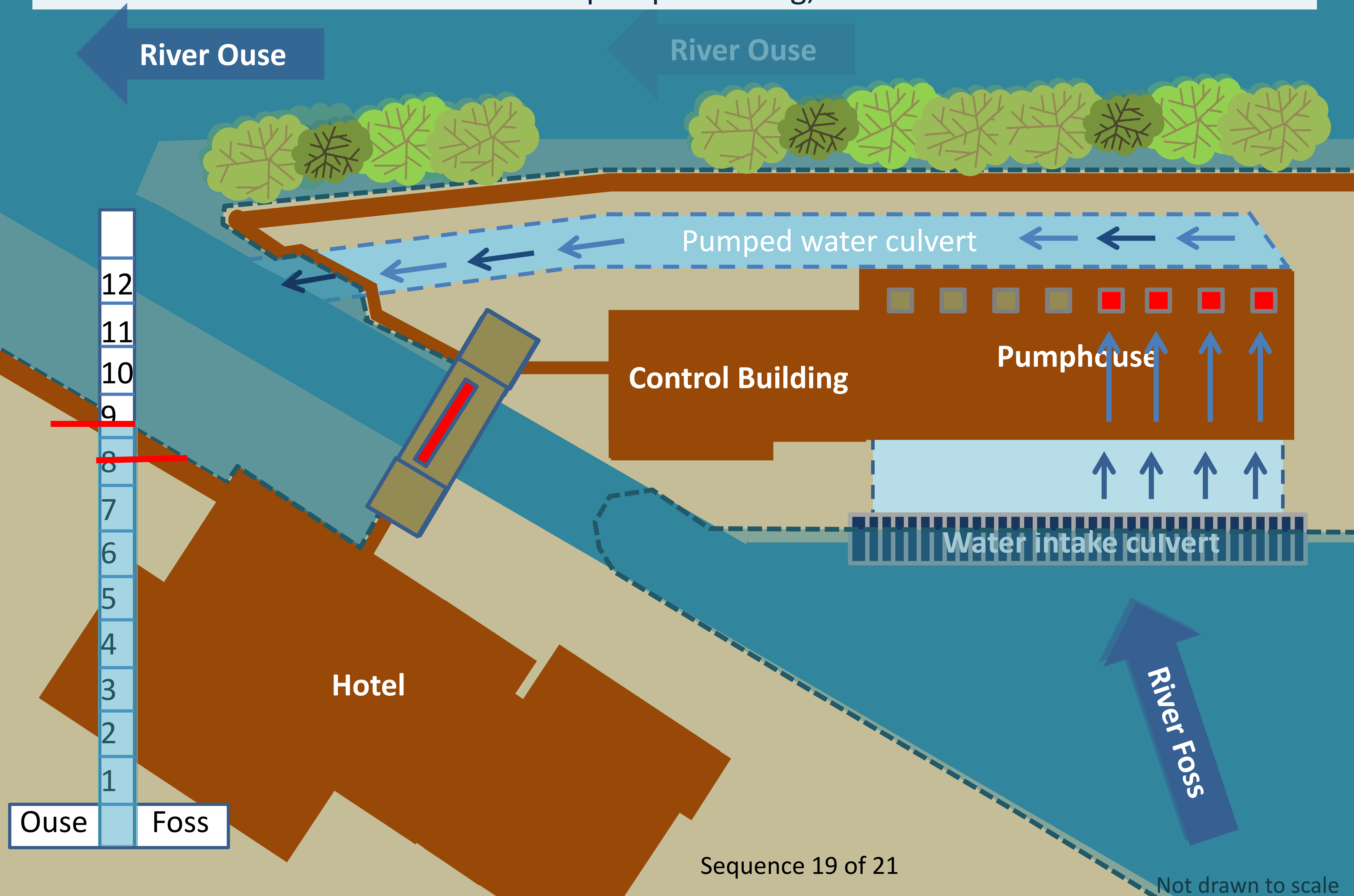
Ouse      Foss

01:50 29 Dec Gate lowered and four pumps working, levels in the Foss start to fall.





01:50 29 Dec Gate lowered and four pumps working, levels in the Foss start to fall.



River Ouse

River Ouse

Pumped water culvert

Control Building

Pumphouse

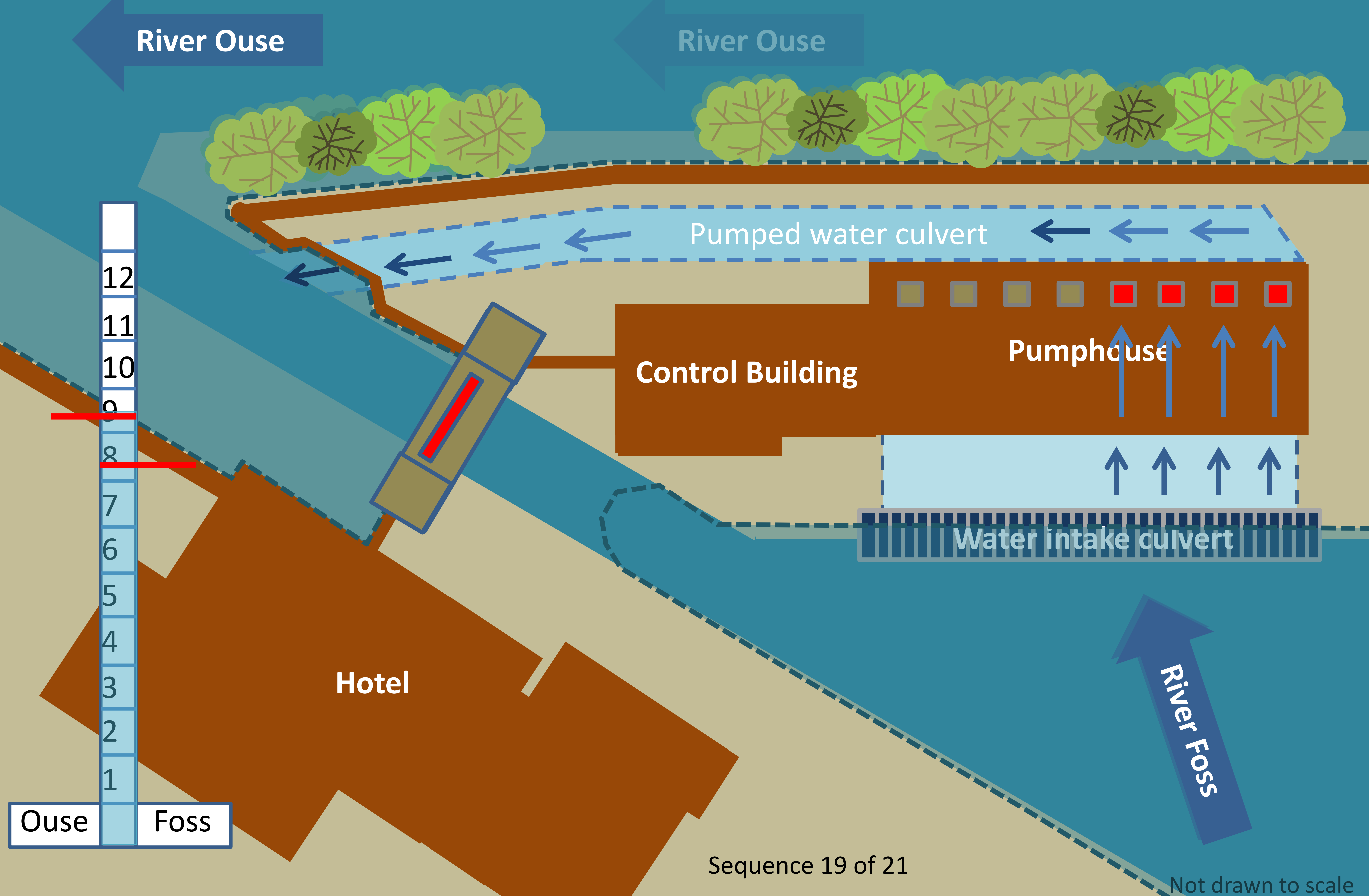
Water intake culvert

Hotel

River Foss

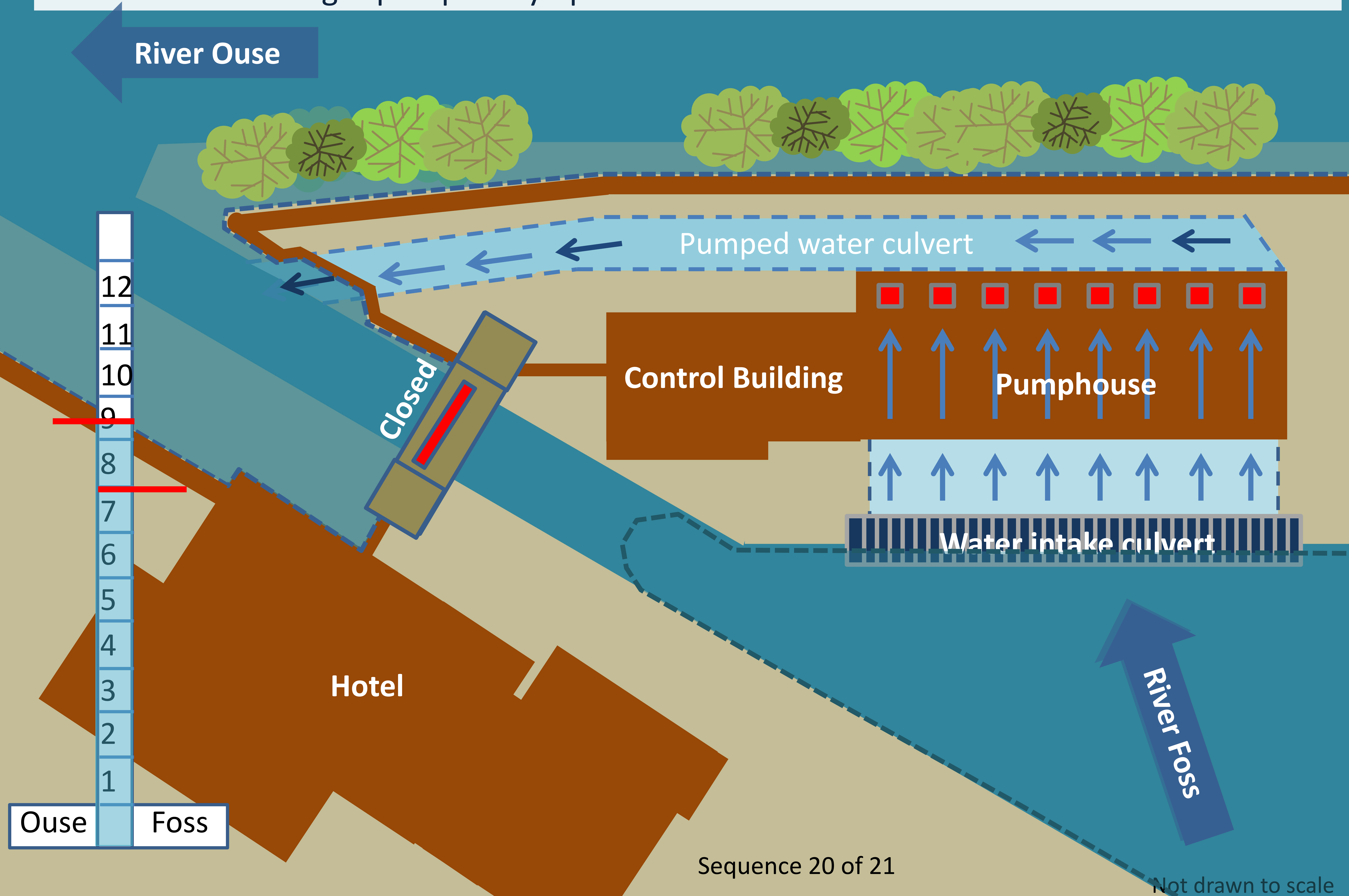
Ouse Foss

01:50 29 Dec Gate lowered and four pumps working, levels in the Foss start to fall.

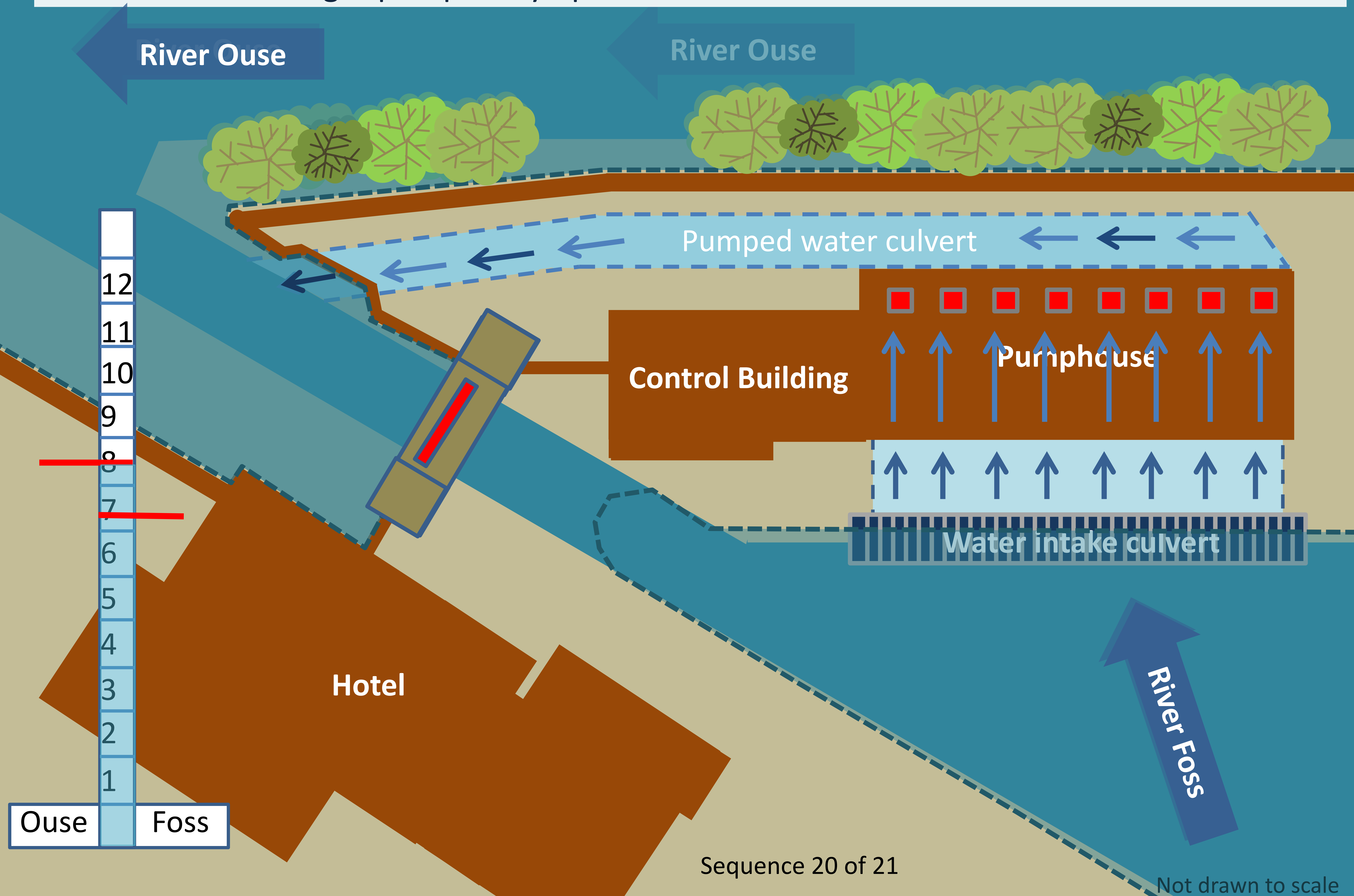




**19:00 30 Dec** All eight pumps fully operational. Levels in the Foss fall to around **7.5m AOD**

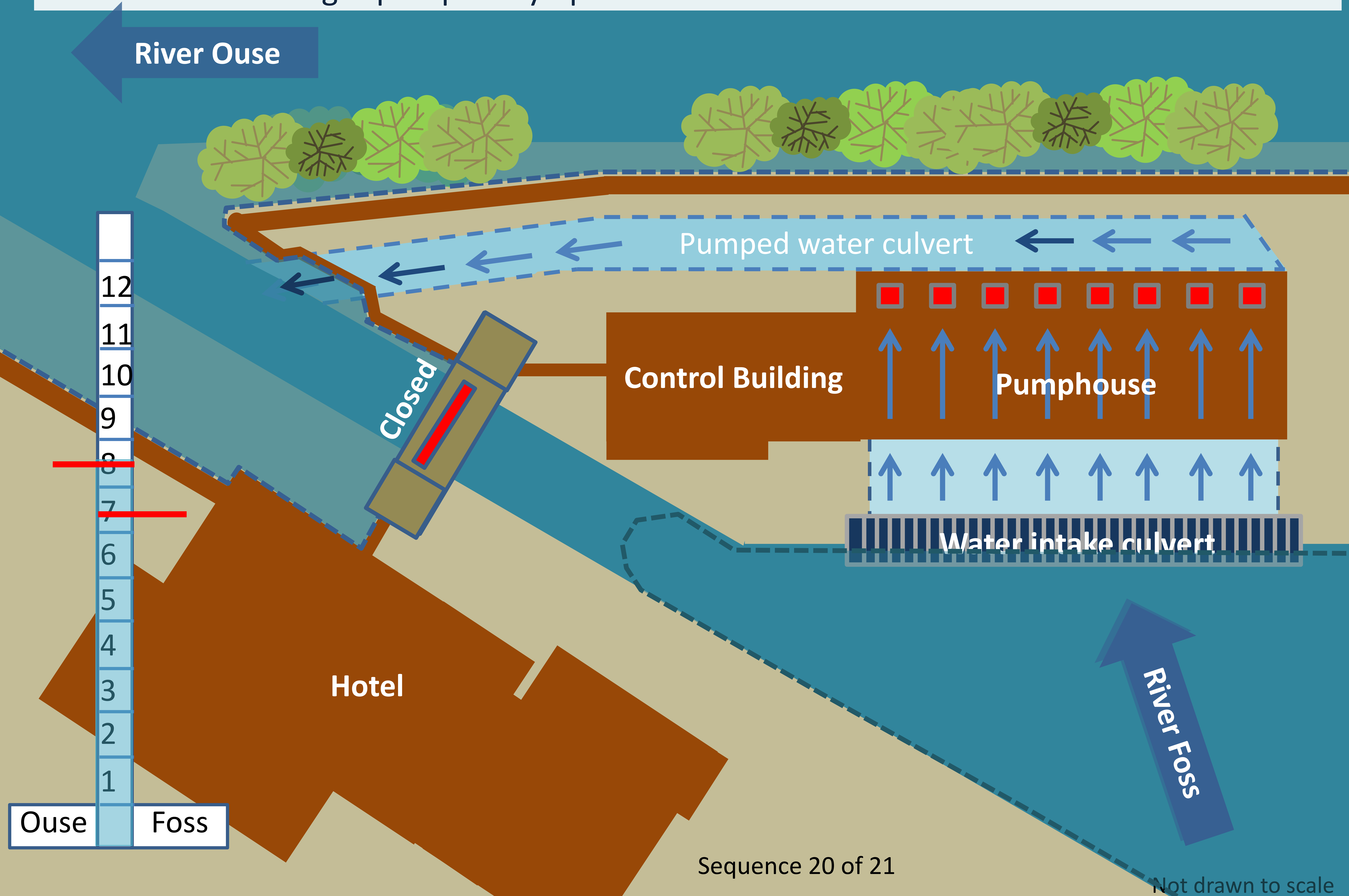


**19:00 30 Dec** All eight pumps fully operational. Levels in the Foss fall to around **7.5m AOD**

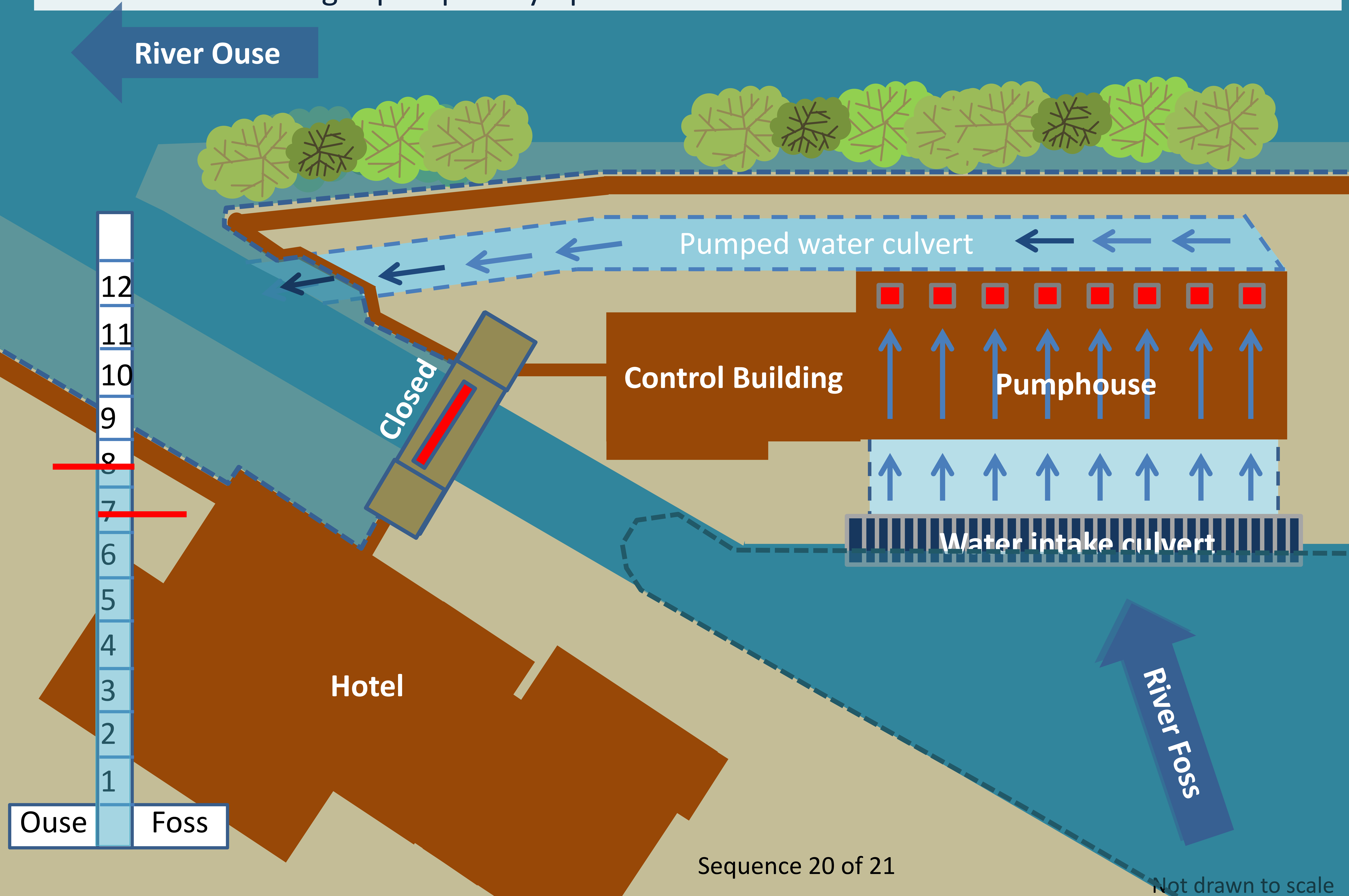




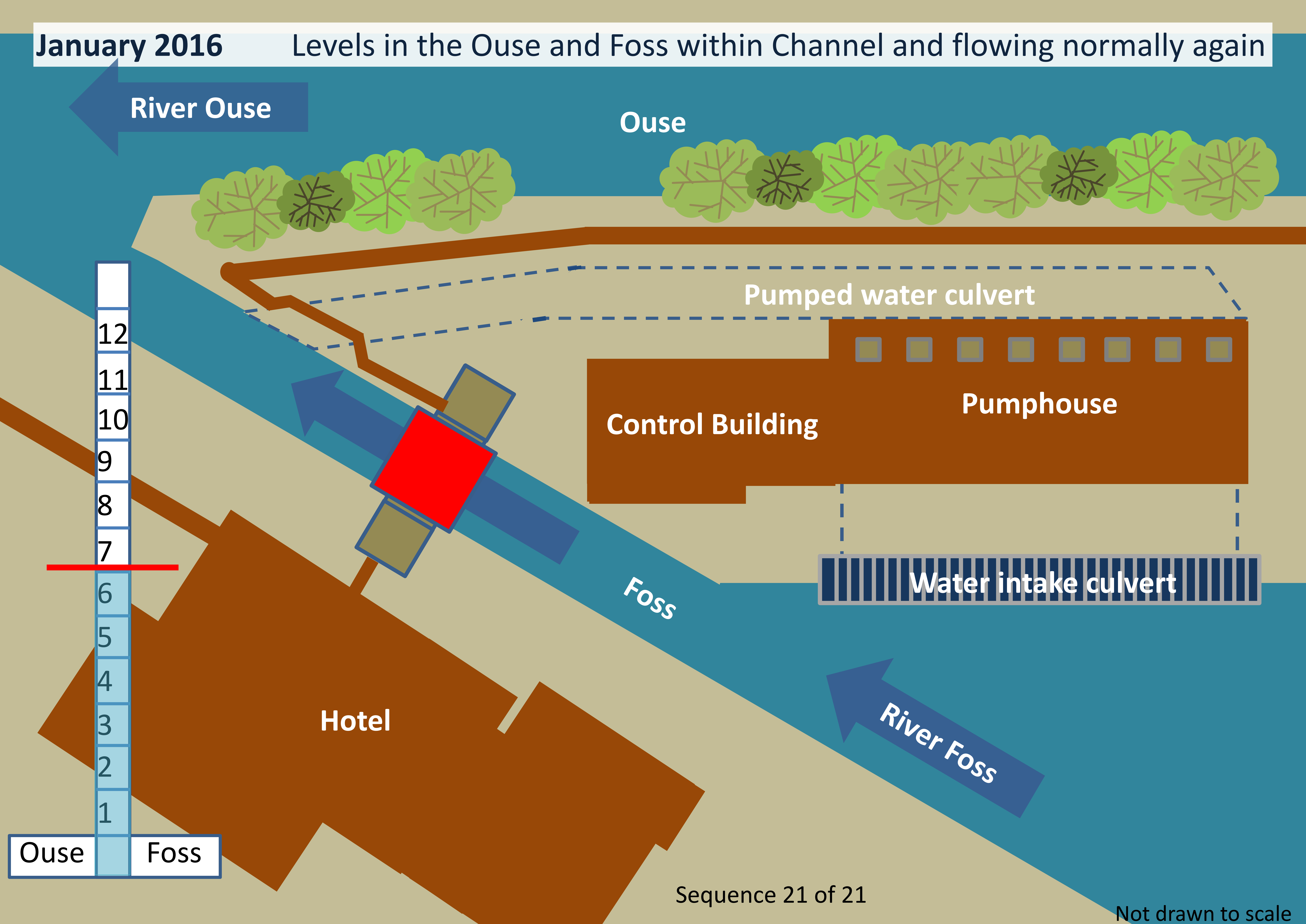
**19:00 30 Dec** All eight pumps fully operational. Levels in the Foss fall to around **7.5m AOD**



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River Ouse

Ouse

Pumped water culvert

Control Building

Pumphouse

Water intake culvert

Foss

Hotel

River Foss

Ouse      Foss

End of Sequence