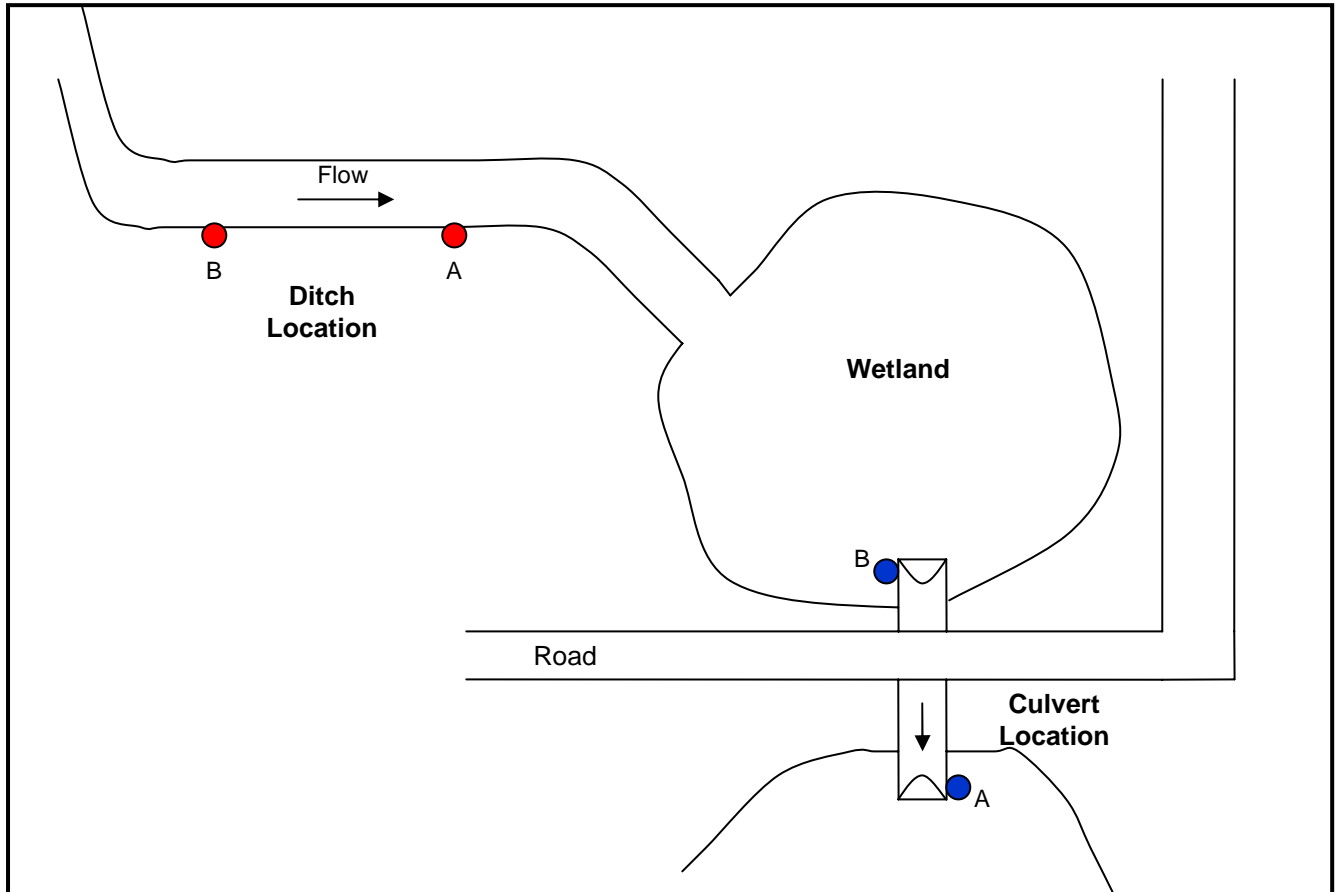


Queen Bee Status Report

12/09/03

Sanjay Prasad
Ben Harrison
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Robert Deamer
Jan Ciriack
Juergen Roessler

Orientation:



Queen Bee site, map of sample locations

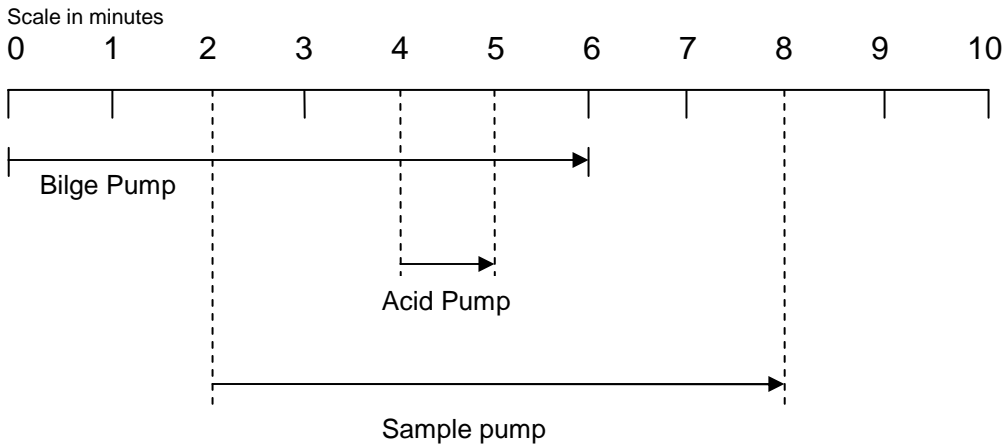
- Ditch A: freestanding sample pier, Composite sample location, Tail Water Elevation proximity sensor, Power supply, data collecting and transfer equipment
- Ditch B: freestanding sample pier, Head Water Elevation proximity sensor
- Culvert A: Composite sample location, TWE Encoder, Power supply, data collecting and transfer equipment
- Culvert B: HWE Encoder

For communications about Queen Bee use terms like "Culvert A" or "Ditch B", please use these terms in the Databases, to have unique names for queen Bee sites.

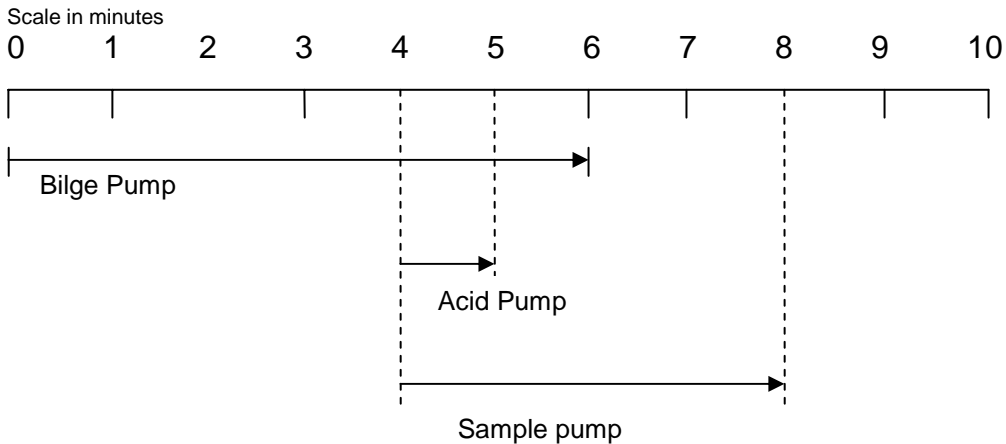
Concluded Work:

- Construction work finished
- Ditch A station is working in a 4 hour circle, it takes 1 sample every 4 hours
- Culvert A station works on the flow
- The acid dosing system is working on both stations, the results are
 - o Ditch pH 1.2
 - o Culvert pH 1.5
- 12/09/03 a new program download for the pumps
- check of pH values from composite samples on Monday 12/15/03
- 12/08/03 collected first composite sample at the Ditch A location and the second at the Culvert A station.

New Program:



The Old program was:



- Fabrice detected the following problems:

- Wrong value for upstream height : **corrected**, the problem was a port not setting correctly
- in downstream : too big difference in the heights : **corrected**, I didn't t apply values from measurement into the program
- In downstream: the pump are triggered thanks a flow threshold. **Need to be figured out for a good value**. The value, currently used, was designed for chandler. It triggers the program to take sample if the average flow is over a minimum value. now, the average flow is around 28, and the threshold was 28.9 : **to high**