

# Just add water...



## Dothill Local Nature Reserve Wetlands Project

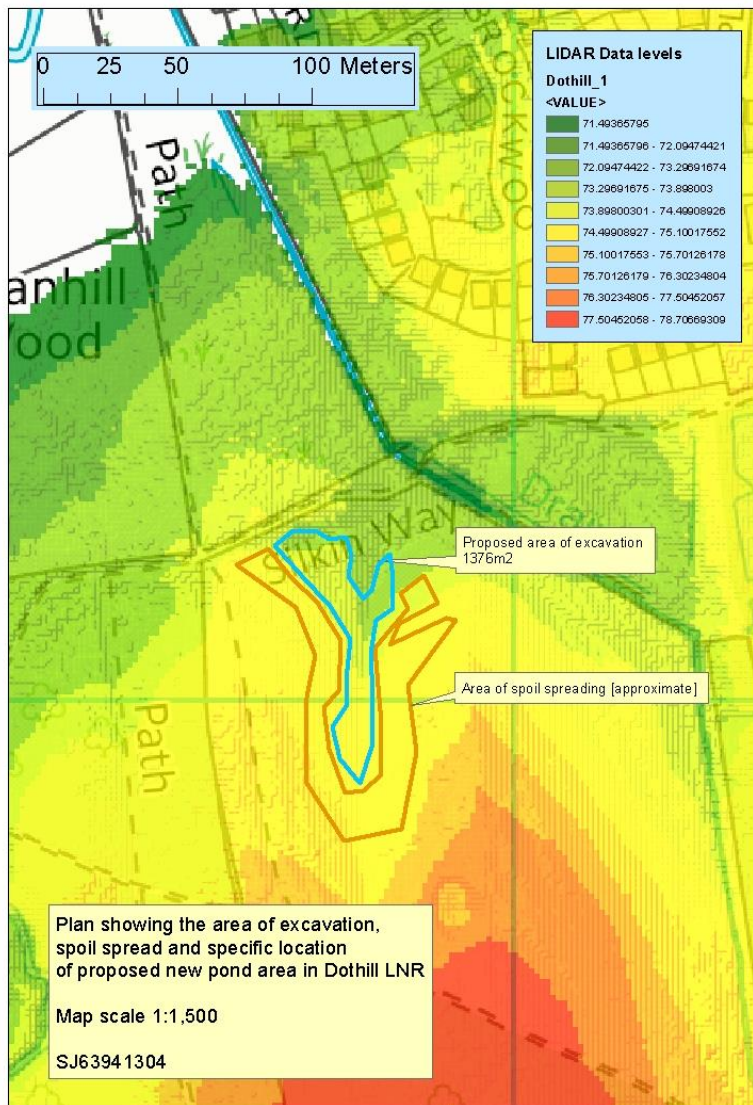
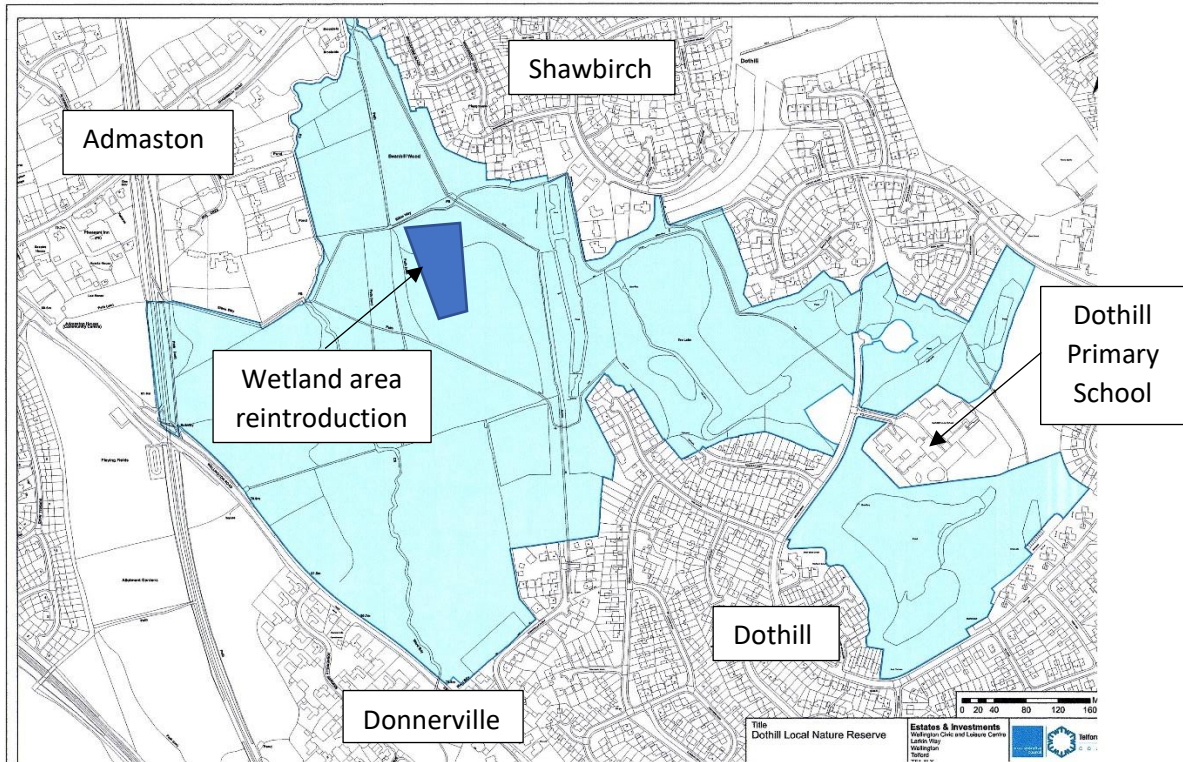


**Shropshire**  
Wildlife Trust



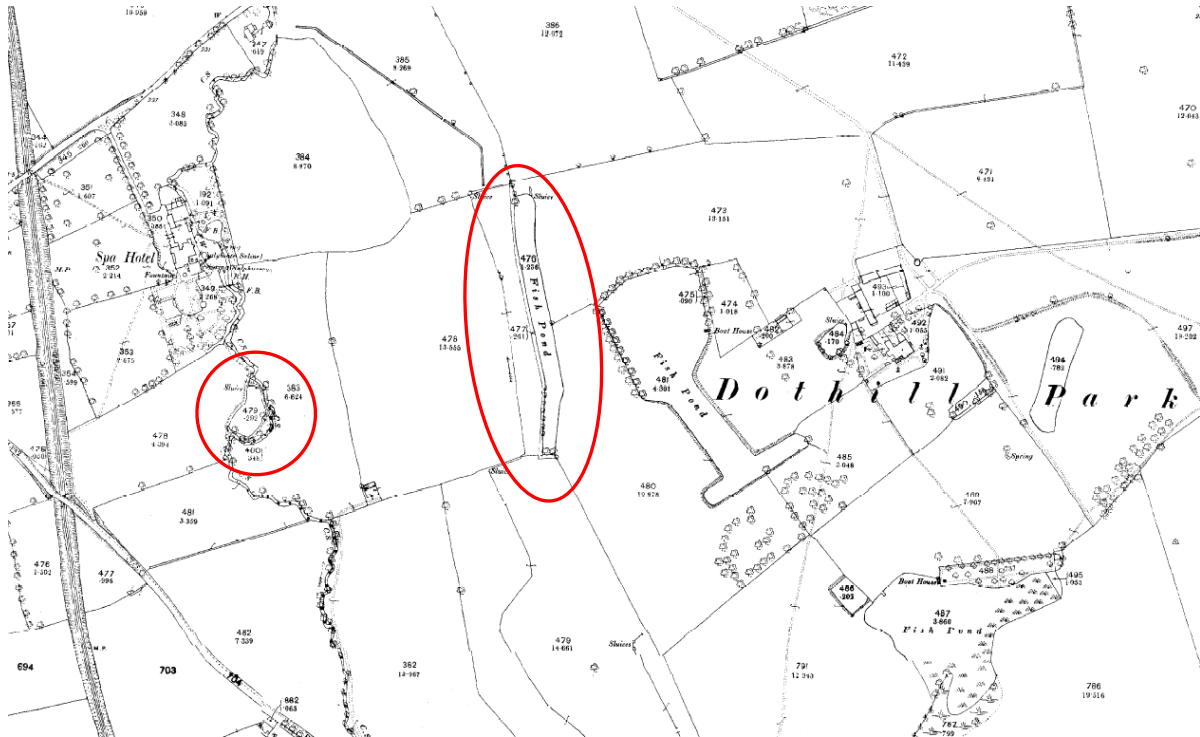
## Expected implementation: Autumn 2019

The aim is to reintroduce a wetland environment by scraping approximately 0.5m depth of soil to reclaim a low swathe of land as shown on the maps below. The removed soil will be used to create a small mound around the lowered area in order to retain water and create a marsh habitat.



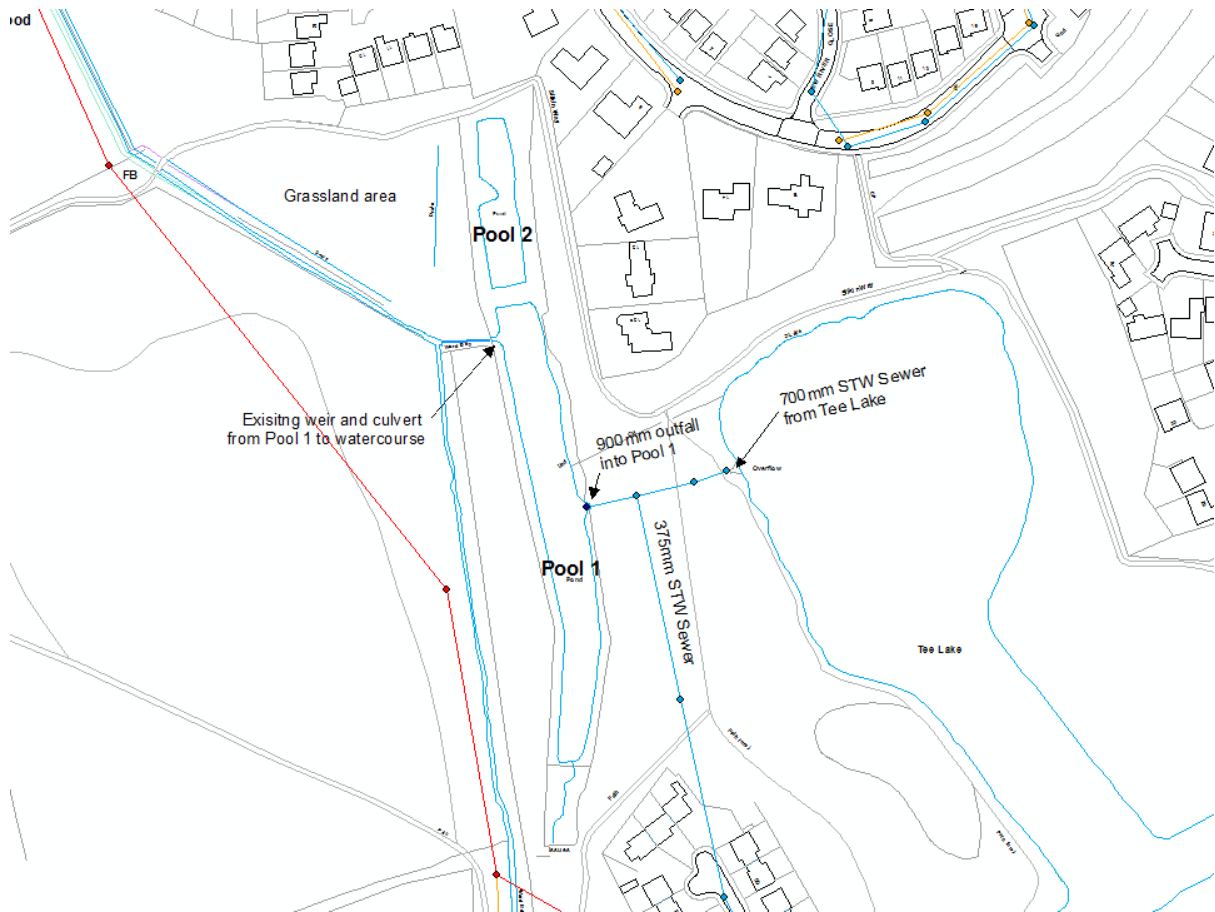
# Pool management (2018):

## DOTHILL PARK 1882



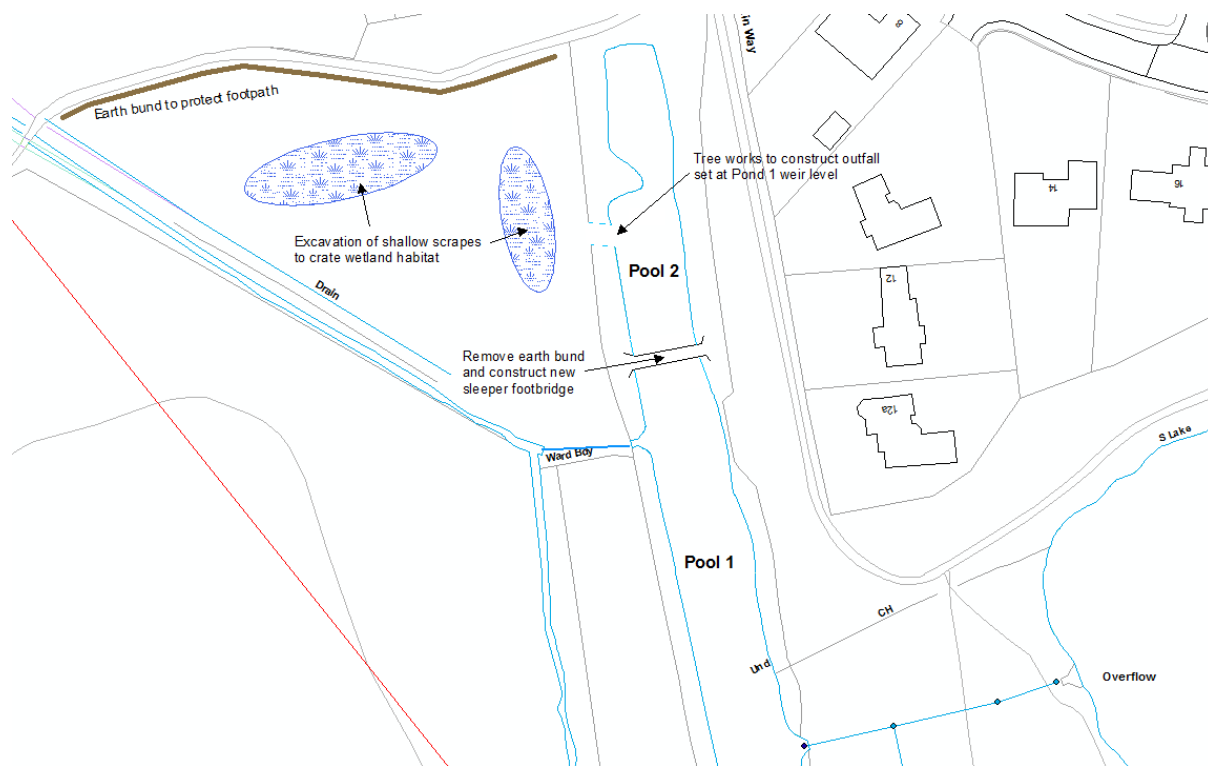
- TWC hold historic maps of the area
- Waterbodies in LNR heavily modified over time
- Waterbodies previously maintained for leisure purposes
- 2 features stood out as possible projects
- Obvious opportunities when you look hard enough...
- Second site meeting with FDLNR, TWC, SWT, and EA
- Where there's a will there's a way!

# PROJECT 1 – OLD FISH PONDS



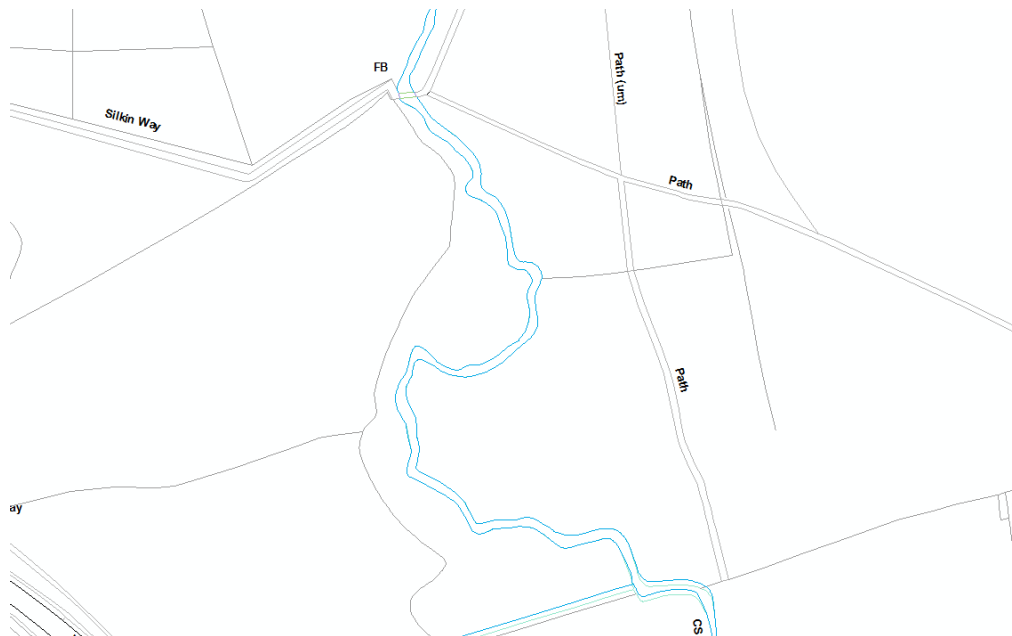
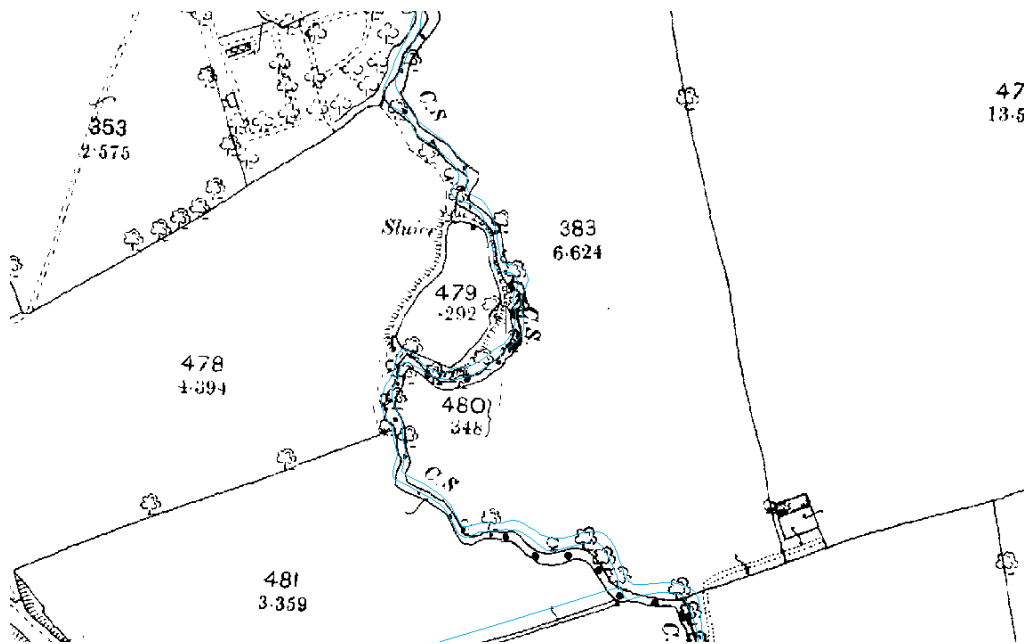
- Pool 1 fed by flows from Tee Lake and STW sewer system
- Pool 1 level controlled by weir and culvert connection to watercourse
- Flows unable to communicate with Pool 2 due to earth bunded footpath
- Acts a biological barrier
- Resulting in poor water quality in Pool 2

# PROJECT 1 – PROPOSED ENGINEERING WORKS



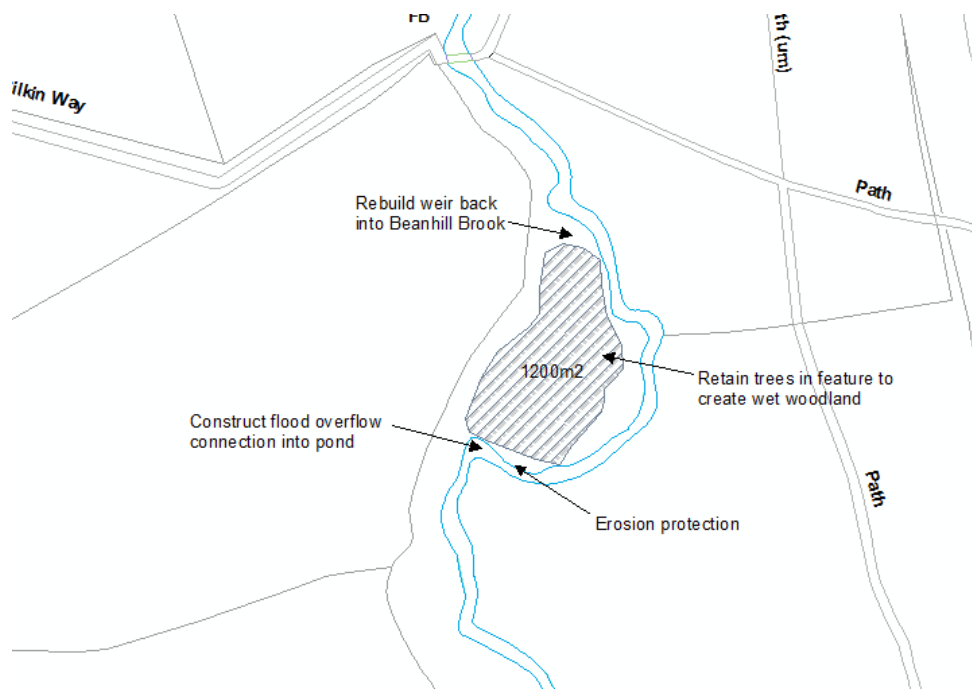
- Re-establish flow between Pool 1 and Pool 2
- Remove earth bund
- Construction of new footbridge
- Construct overflow at existing weir level
- Flows will run onto existing grassland area
- Creation of wetland scrapes
- Construct bund to protect footpath
- **Completed March 2018**

# PROJECT 2 – BEANHILL BROOK POND



- 1882 plans show pond constructed in meander of Beanhill Brook
- No longer present on modern day mapping
- Pool structure is still present but no longer holds water
- Could we re-engineer it to provide flood storage?
- Can it provide surface water treatment for the “first flush” of pollutants?

# PROJECT 2 – PROPOSED ENGINEERING WORKS



- Construct high level inlet to flow during storm conditions
- Install bankside erosion protection to address issues with undercutting
- Potential for 1000m<sup>3</sup> of flood storage
- Re-engineer outfall weir to direct flows back into Beanhill Brook
- Retain wet woodland habitat to provide treatment for pollutants
- **Completed March 2018**