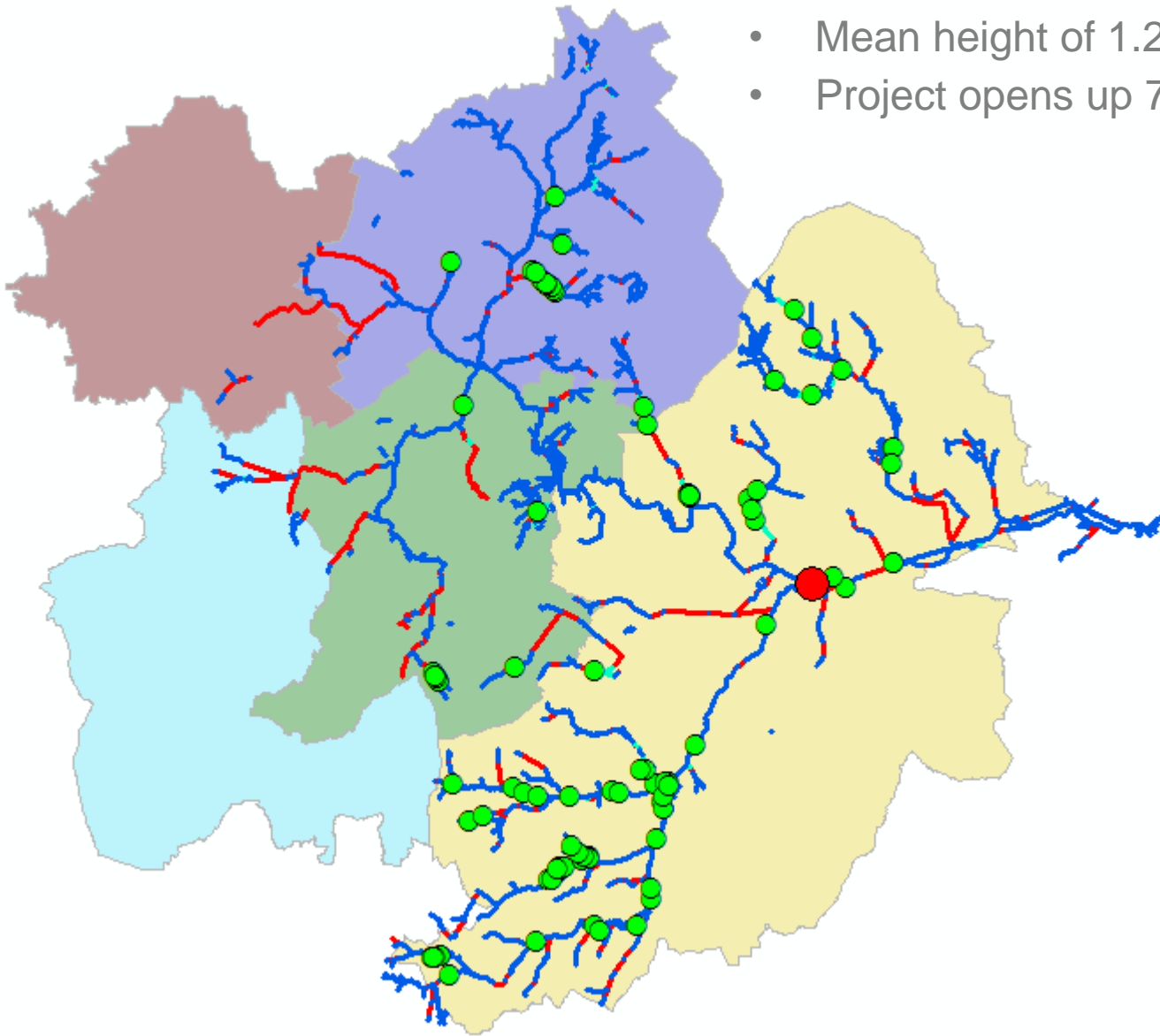


# Restoration of the River Tame in Urban Birmingham

Christopher Grzesiok  
25/09/2017

# The Tame Catchment

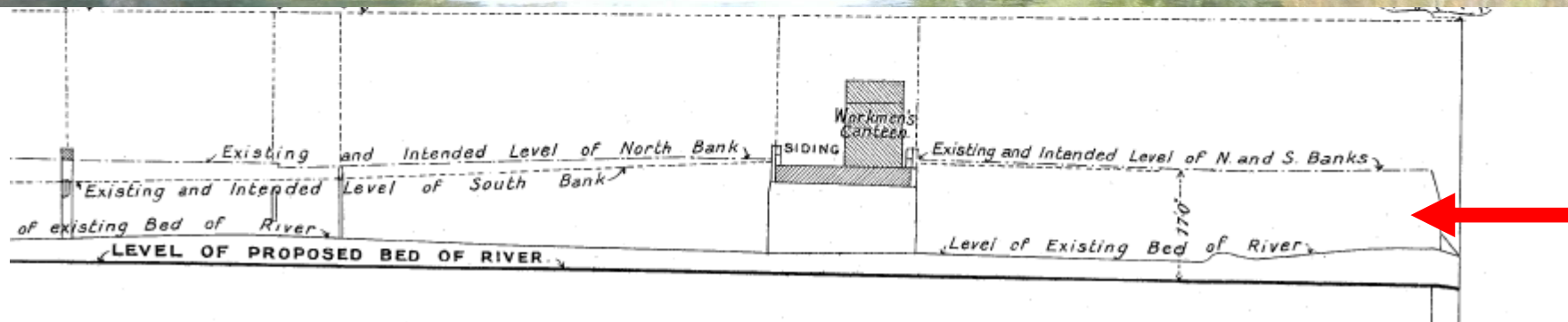
- Tame River Network – 386km
- Mean height of 1.2m
- Project opens up 75km<sup>2</sup> (3%)



# The River Tame at first sight....













# Brick Channel Construction





# Engineering Legacy



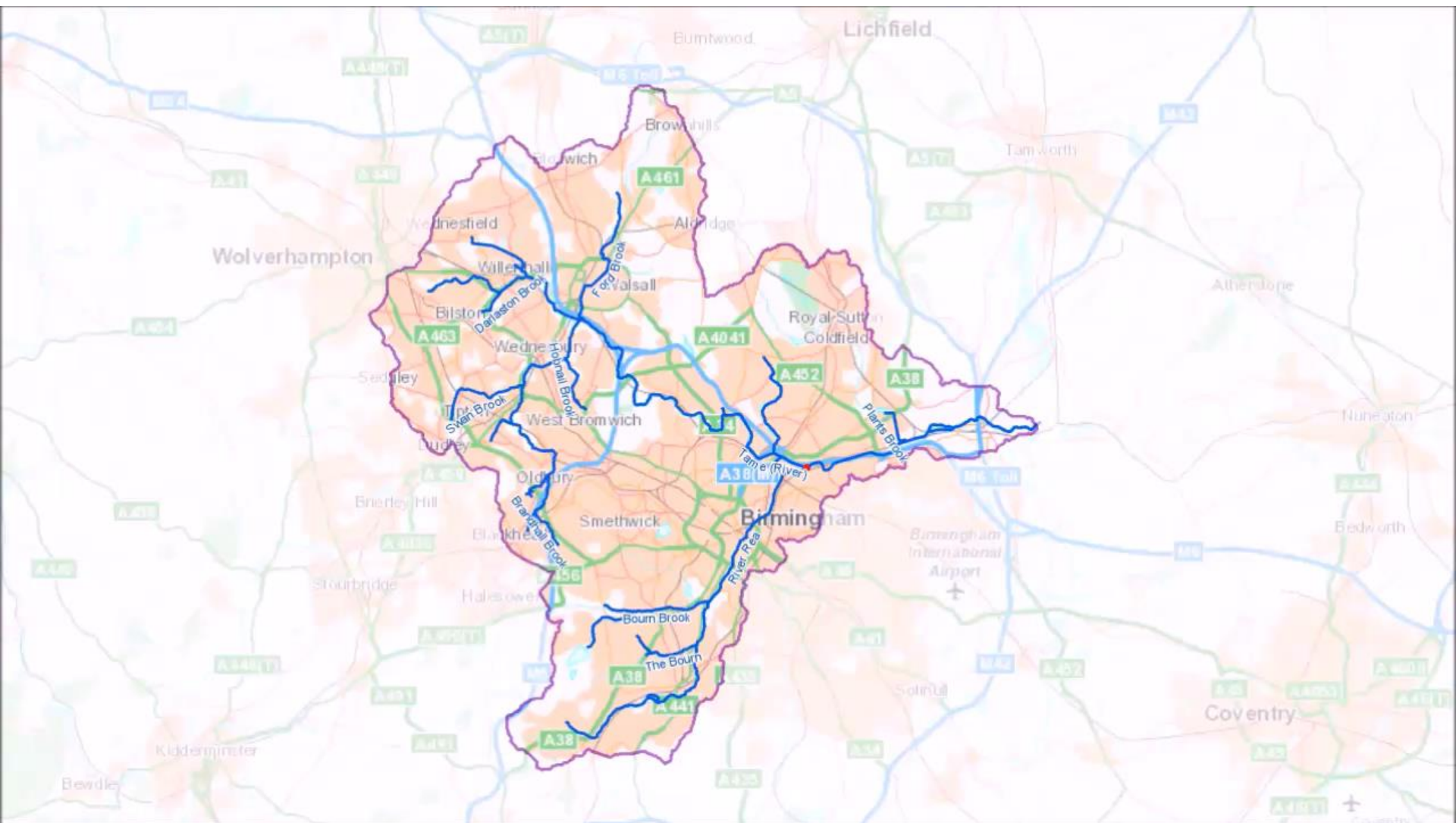
Photos Courtesy of Paul Powers



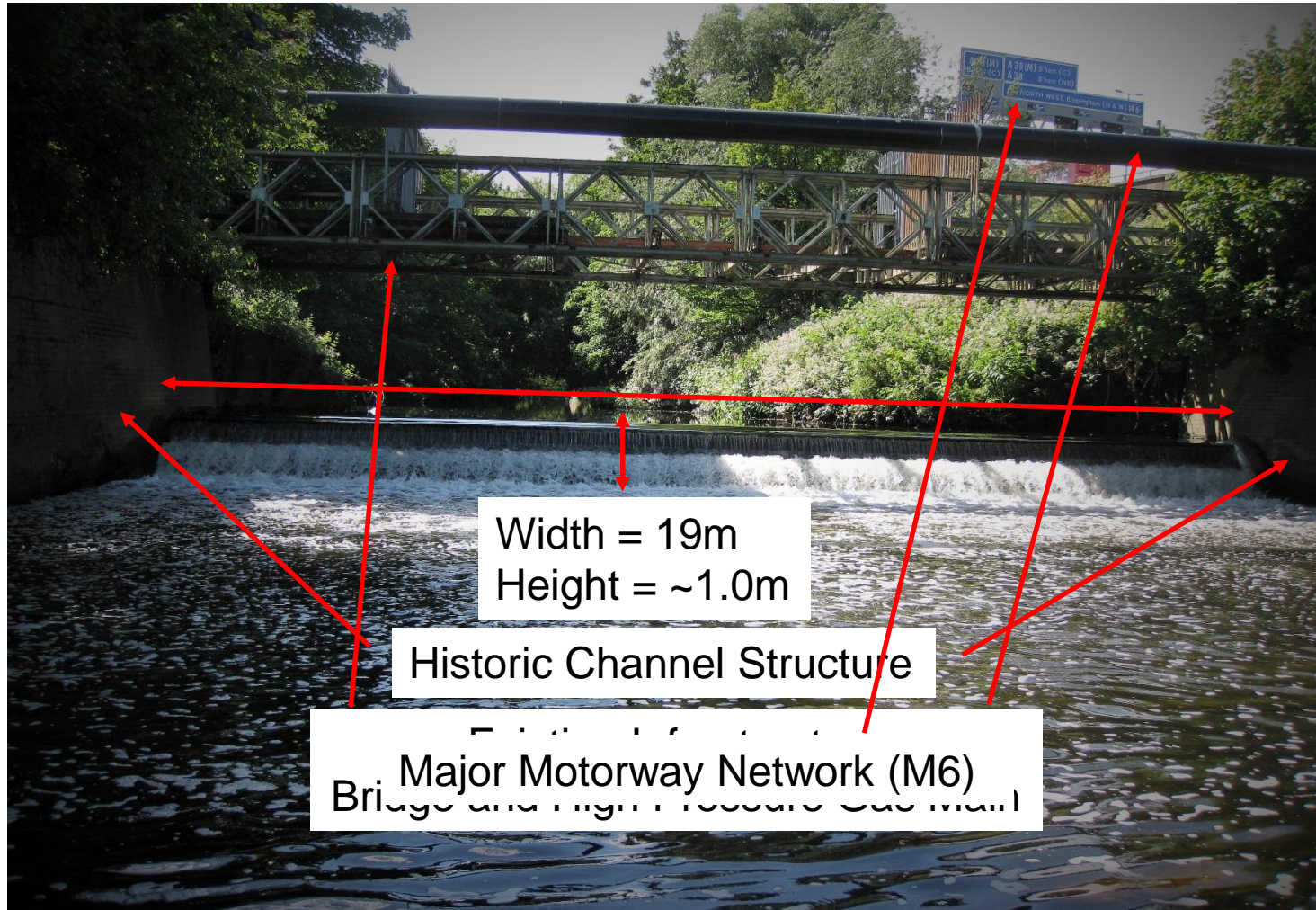
# Why....







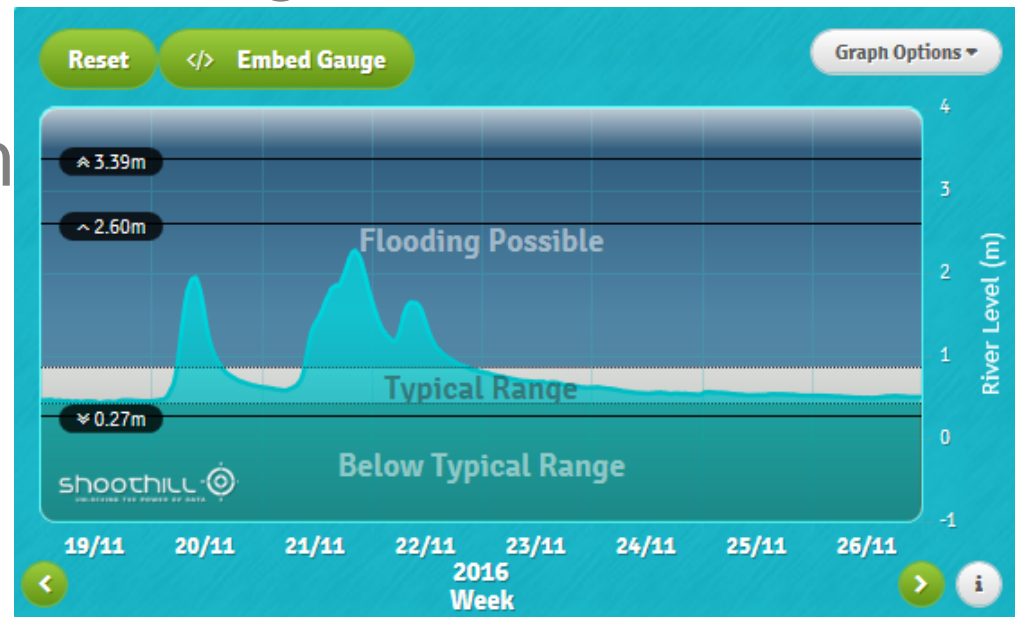
# Gravelly Industrial Park Weir





# Additional Site Constraints

- Treated as a confined space
- Difficult access
- Structural integrity of existing brick channel and walls
- Flashy urban system



# Options...

- Remove entire weir structure
  - Not possible – structural integrity of engineered channel
- Formal Fish Passage
  - Not ideal – create a new structure
  - Difficult location to maintain
  - Only solves one issue – fish passage

# The Compromise...

- Remove part of the Weir
  - Yes this is possible structurally and achieves multiple objectives



# How it was done...





TLC200 PRO 2016/11/04 12:40:51



# 6 months later....









# No longer “Fishless”





# Hurricane Park Weirs

- Two small weirs notched
- Barriers to fish migration?
- Negative influences on Geomorphology?





# Its not always about the fish.....

