‘Every time I see a river’

Aims:

- To show how GIS can help students to learn about river watersheds and catchments, providing a pedagogical route to powerful disciplinary knowledge.
- Case study: River Thames’ tributaries in the London area.

Brendan Conway

Notre Dame Senior School, Cobham, Surrey

Associate Lecturer, St Mary’s University Twickenham

RGS C Geog (Teacher), Esri GeoMentor, SLE Paradigm TSA

@GIPedagogy Erasmus+ Project

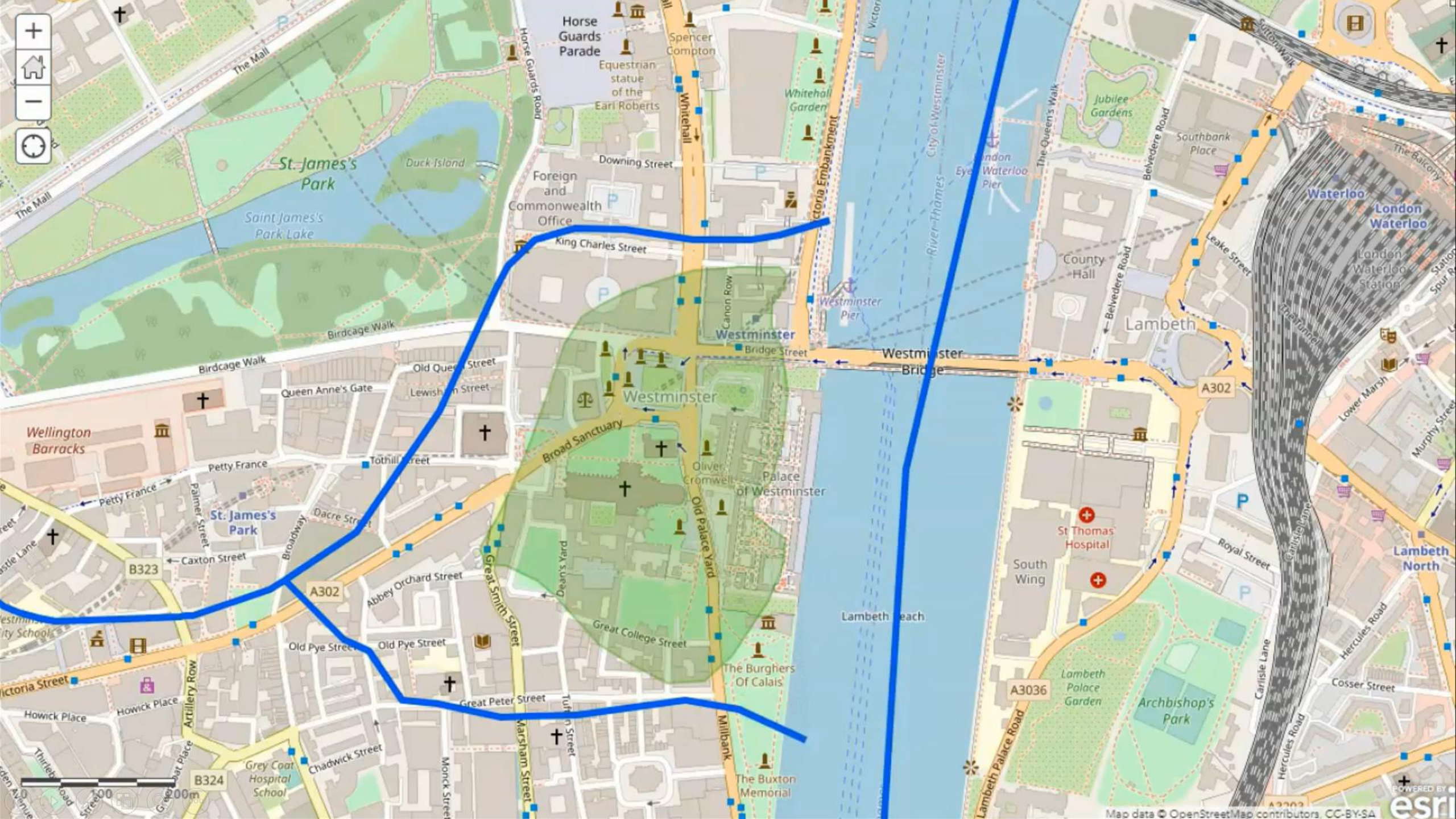
Consultant to the Geographical Association

@mildthing99

Further resources: GIS maps for learning

https://storymaps.arcgis.com/stories/2ebd0ba970094e56b36f092b10e5b36b

Shetland Islands
Orkney Islands
Rockall Rise
SCOTLAND
Edinburgh
Glasgow
UNITED KINGDOM
NORTHERN IRELAND
Belfast
Newcastle
Douglas
Britain
Dublin (Baile Átha Cliath)
Manchester
Leeds
Sheffield
IRELAND
Birmingham
WALES
Cardiff
ENGLAND
London
Celtic Sea
English Channel
North Sea
Oslo
Stockholm
Vänern
ALAND ISLANDS
ETELA SUOMEN LAANI
Helsinki
Tallinn
ESTONIA
Riga
LATVIA
Baltic Sea
DENMARK
Copenhagen
LITHUANIA
Vilnius
Minsk
BEL
Hamburg
NETHERLANDS
Amsterdam
Den Haag (The Hague)
Rotterdam
Bielefeld
Berlin
GERMANY
Leipzig
Warsaw
POLAND
BELGIUM
Lille
Brussels
Douai
Cologne
Rhine
Frankfurt
Prague
Katowice
L'viv
CZECH REPUBLIC (CZECHIA)
Nürnberg
LUX.
Luxembourg
Saarbrücken
Mannheim
Danube
Saint Helier
Paris
Stuttgart
Munich
SLOVAKIA
CARPATHIAN MOUNTAINS
Vienna
Bratislava
Budapest
Zürich
LIECH.
Bern
SWITZ.
AUSTRIA
HUNGARY
FRANCE
Mont Blanc 4807 m
Lyon
Ljubljana
SLOV.
Zagreb
CROATIA
ROMANIA
Milan
Torino
Bay of Biscay
Bordeaux
West European Basin
Bucharest
Belgrade
BOSN. & HERZG.
SAN MARINO
SERBIA
Sarajevo
Toulouse
Marseille
Monaco
ITALY
Adriatic Sea
Prishtina
Sofia
Bilbao
ANDORRA
MONT.
KOS.
Skopje
BULGARIA
Rome
Podgorica
ALBANIA
MACED.
Barcelona
Iberian
OCEAN


Horse Guards Parade
Equestrian statue of the Earl Roberts
Spencer Compton
Whitehall Garden
Horse Guards Road
Whitehall
Victoria Embankment
City of Westminster
River Thames
Jubilee Gardens
Southbank Place
Belvedere Road
The Queen's Walk
London Eye
Waterloo Pier
Sutton Walk
The Mall
St. James's Park
Duck Island
Saint James's Park Lake
Foreign and Commonwealth Office
Downing Street
King Charles Street
Birdcage Walk
Canon Row
Westminster Pier
Westminster
Bridge Street
Westminster Bridge
County Hall
Lambeth
Leake Street
The Balcony
Waterloo
London Waterloo
London Waterloo Station
The Tunnel
Lower Marsh
Murphy Street
Queen Anne's Gate
Old Queen Street
Lewisham Street
Wellington Barracks
Broad Sanctuary
Petty France
Tothill Street
Palmer Street
St. James's Park
Broadway
Dacre Street
Caxton Street
B323
A302
Abbey Orchard Street
Great Smith Street
Dean's Yard
Oliver Cromwell
Palace of Westminster
Old Palace Yard
Great College Street
Old Pye Street
Victoria Street
Howick Place
Artillery Row
Great Peter Street
Tufton Street
Marsham Street
Millbank
The Burghers Of Calais
The Buxton Memorial
Chadwick Street
Grey Coat Hospital School
B324
Monck Street
Lambeth Palace Road
A3036
Lambeth Palace Garden
Archbishop's Park
St Thomas' Hospital
South Wing
Royal Street
Carlisle Lane
Hercules Road
Cosser Street
Lambeth North
Lambeth Beach
100
200m
Map data © OpenStreetMap contributors, CC-BY-SA
esri

0
0.3
0.6km
Esri UK, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA
POWERED BY esri

‘Every time I see a river’: Follow up

- **How to map a river catchment in ArcGIS Online**

  A video guide showing how to map a river catchment in this short video recorded for the East London Geography Hub (@EastGeography) River Lea or Le. It also shows how to map a river course and map both catchment and course in 3D Scene.

  Dirty old river, must you keep rolling? London’s hidden rivers

- **Access to web map (as seen in the presentation)**

  Rivers of London RGS version

- **File of River Thames catchment mouth (and confluence) points:**

  River Thames catchment mouth (and confluence) points

- **‘Every time I see the River Tyburn’**

  Where to see the River Tyburn storm outlet on Google Maps