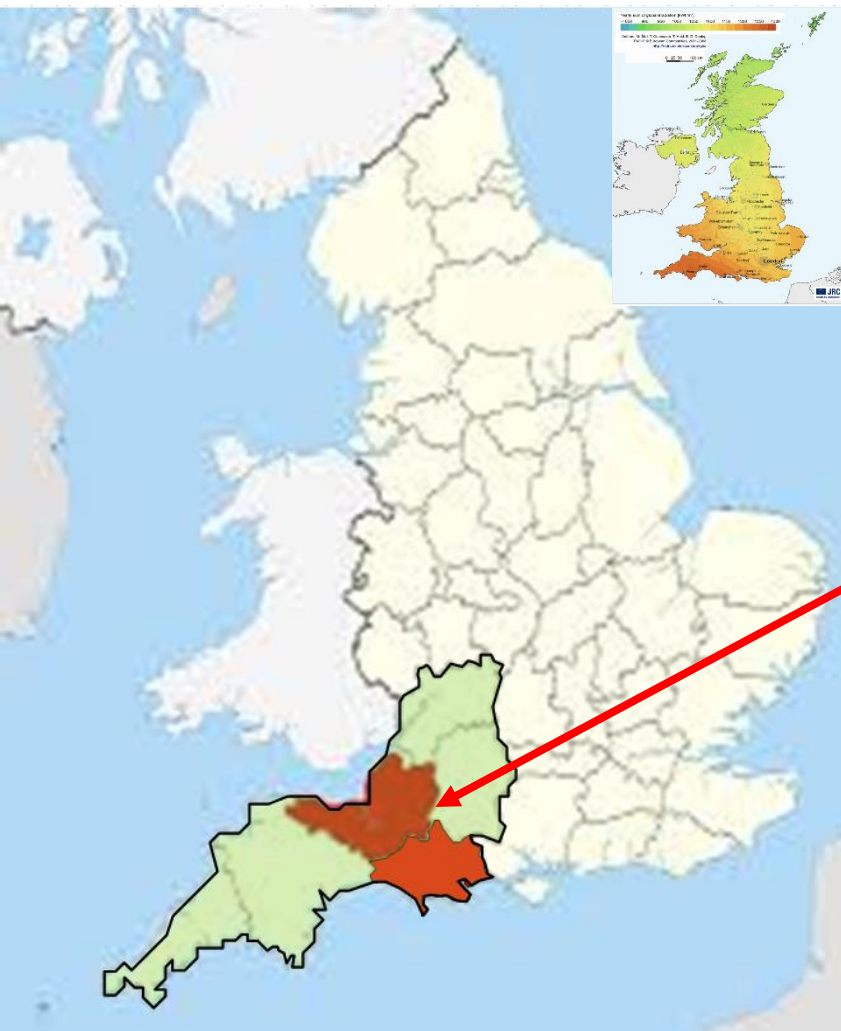


Community Renewable Energy in Somerset and Dorset

A personal retrospective



South Somerset Mills involved in the project

South Somerset Hydropower Group

The map shows the following mill locations: Cutterne Mill, Gants Mill, Bruton, Winanton, Thorney Mill, Hainbury Mill, Hinton Mill, Yeovil, Careys Mill, Court Mill, and Clapton Mill. The area is shaded in light blue.

A collage of several small photographs showing different types of buildings, including stone mills, brick houses, and a group of people standing outdoors.

Keith Wheaton-Green



Keith Shoemark's home made Double Regulated Kaplan Turbine



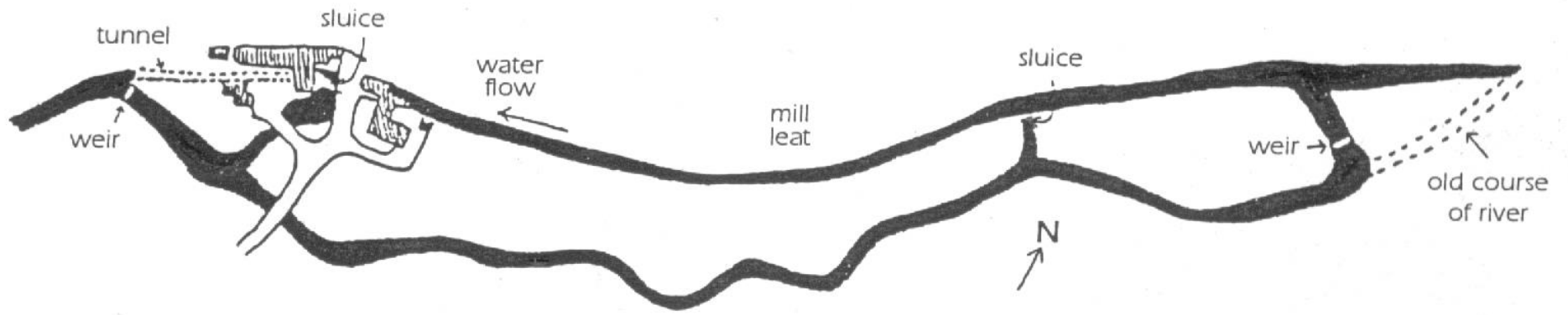
Craig Taylor's Ecowave crossflow turbines manufacturing business



Guy Galpin's Installation business Potenergy



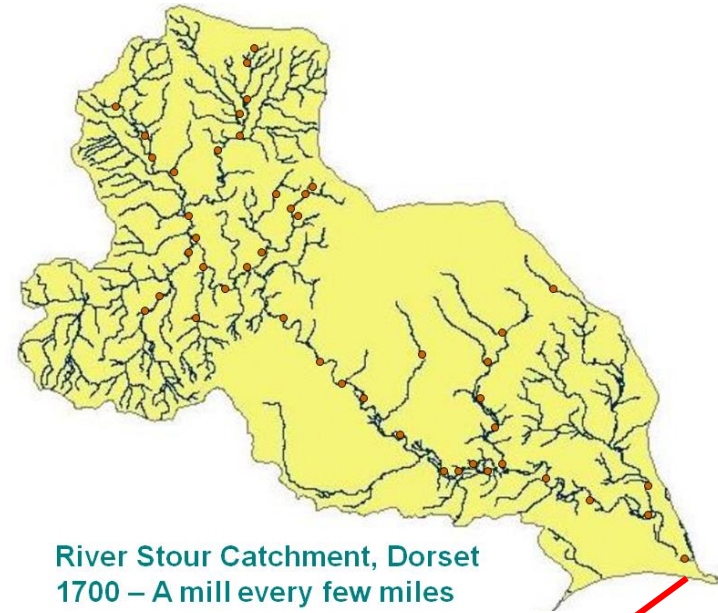
All South Somerset mill owners!



Hydro mill
owner
groups



Stour and Vale Hydropower Group



Dorset



River Frome Catchment

West Dorset Hydropower Group





Peggs Farm Mill

Generator capacity 3.4 kWh

Annual energy yield 14892 kWh



Benjafield farm

Generator capacity 3.7 kWh

Annual energy yield 16206 kWh



Lordsmead Mill

Generator capacity 5.5 kWh

Annual energy yield 24090 kWh

Average UK household uses 4,800 kWh

The 3 sites will save 29,635 tonnes a year

Planning Applications



UK renewable heat incentive

District Council PV



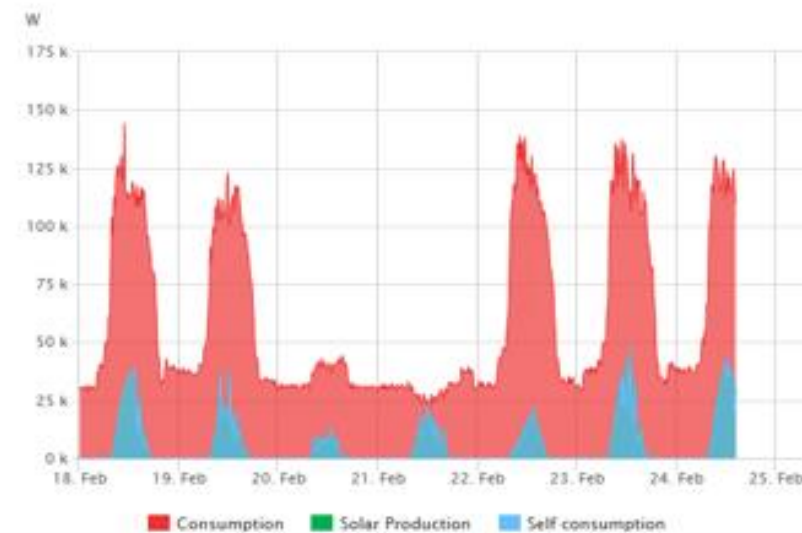
Current Power	Energy today	Energy this month	Lifetime energy
29.07 kW	187.81 kWh	2.61 MWh	4.76 MWh

Power and Energy

Week Months Year
18/02/2016 - 25/02/2016



Also installed PV on our Crematorium and a Sports Centre roofs



Community Energy Societies



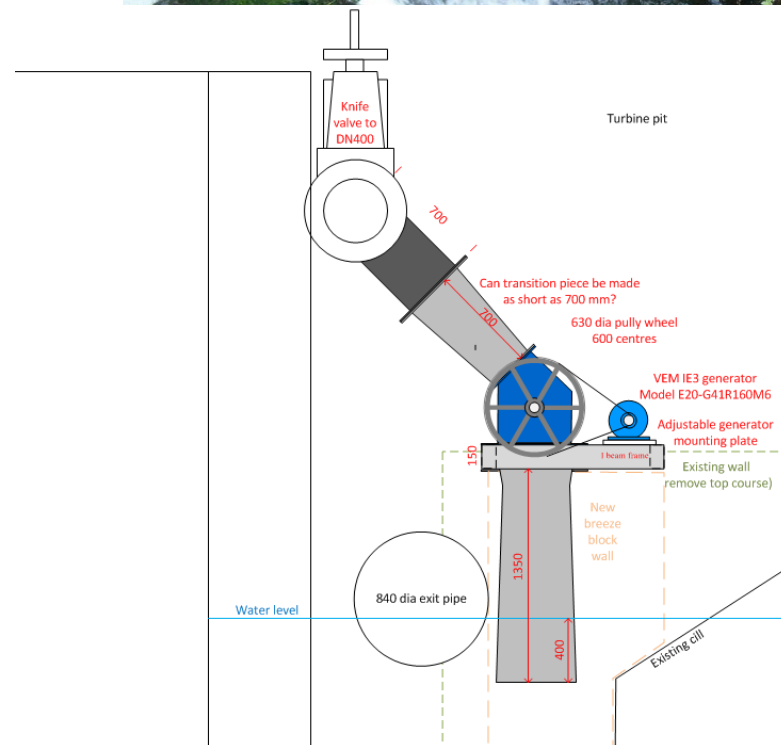
- Fit well to a set of company rules designed by the UK financial regulator to allow individual community investors to support projects that benefit the community
- There must be three or more directors and they receive no payment
- All shareholders have an equal vote at meetings no matter how small their investment
- Shares cannot be traded and their value does not change
- Shares are returned to investors over the life of the project
- Investors can receive an annual return
- Schools or other community buildings get free or cheap renewable electricity



Energize Stur Valley

Industrial Provident Society

Directors



Longitudinal section of Springhead Hydropower restoration
Paper size A3
Scale 1:20
Drawn by Keith Wheaton-Green



South Somerset Community Energy Society Ltd



Raised
£285,000 to
install the first
two projects



Community Energy Societies

Support removed by UK government Dec 2015

- Feed in tariffs that provided a business case for renewable energy installations
- Pre accreditation of projects to fix feed in tariff for 2 years
- 30 or 50% tax relief for investments that met community benefit rules
- UK government is now committed to supporting nuclear power and fracking
- New on shore wind turbines are not allowed
- Renewables have been competing too successfully for our governments liking
- New projects currently on hold in UK with severe depression in the renewables industry

Community Energy in Europe

- Is community energy in Germany, Austria and Scandinavia still a successful model and how does national government support it?
- Spain taxes its photovoltaic installations
- France's nationalised EDF makes hydropower connections difficult
- We can't trust government with energy. The people should have control.

We need a Europe wide right to;

- A fair but encouraging feed in tariff for all renewables including heat
- Connect small independently owned renewables to the grid at low cost
- Allow anyone to sell electricity via the grid to anyone else
- Develop renewables without restrictive regulations from planning and environment agencies