

## CASE STUDY

SECCOMBE FARM, DEVON



### CASE FACTS...

- Farm in an environmentally sensitive area with stream feeding major South West Water reservoir
- Livestock to be kept out of the stream but using mains water is expensive

Water needs	6m <sup>3</sup> per day
Cost of Papa Pump	£1,200+ VAT
Cost of infrastructure	£6,000+ VAT
<b>TOTAL INSTALLATION</b>	<b>£7,200+ VAT</b>
<b>mains water cost saving</b>	<b>£4,000 per year</b>
<b>Return on Investment</b>	<b>less than 2 yrs</b>

### ENVIRONMENTAL SOLUTIONS

- Water kept clean by fencing off river
- Pump uses no fuel and therefore has ZERO EMISSIONS
- small and discreet pump with minimum visual impact

**PART FUNDED WITH £1800 GRANT FROM CATCHMENT SENSITIVE FARMING**

# Papa Pump



UK PATENTED

the pump that uses no fuel!

**UP STREAM WATER PROTECTION AND FREE WATER FOR YEARS TO COME**

*We needed to keep the livestock out of the stream which feeds into Roadford Reservoir. It would have been expensive to use mains water for the livestock so we installed a Papa Pump. With a little help I installed all the infrastructure and pipework, fenced off the stream and, because this is an environmentally sensitive area, landscaped the stream with rocks. Give it a few years and you wouldn't know there was a pump here.*

*Now the Environmental Agency are happy, the pump is just pumping away, lifting water 45 metres to a storage tank (top pic) on the top field for livestock watering, its running costs are next to nothing, and I'll have free water for many years to come.*

ROB SHINN - Seccombe Farm



## THE PROBLEM

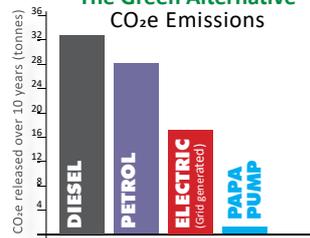
Water from the farm drained into a major reservoir in an environmentally sensitive area and **needed protection from livestock pollution**. Replacing the water needed with **mains water would be expensive**. There was also a need to deliver the water to the livestock on the higher fields.

## THE SOLUTION

By installing a single Papa Pump they were able to fence off the stream and deliver **6m<sup>3</sup> of water a day** to a **height of 45m** for livestock watering. This negated the need to use expensive mains water and will supply **free water for generations to come**.

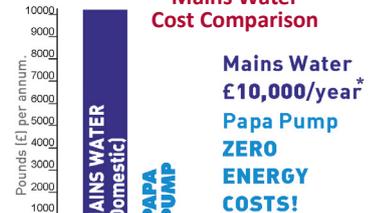
The weir was landscaped and 'leaky dams' were also put in the stream to regulate the flow. After a very short time, it will be very difficult to detect that there is a working pump at the site. **The Environmental Agency had no problem approving this installation.**

### The Papa Pump The Green Alternative CO<sub>2</sub>e Emissions



These results show the estimated amount of CO<sub>2</sub>e emissions generated by pumping 20m<sup>3</sup> a day to a height of one hundred metres, over a ten year period.

### The Papa Pump Mains Water Cost Comparison



\*Comparison is based on South West Water (UK) tariffs (Feb 2016) to deliver 5,000m<sup>3</sup> per year. (Tariffs vary in different regions and countries)

### THE PAPA PUMP KIT CONTAINS

- 1 x PAPA PUMP
- 1 x 8L PRESSURE VESSEL
- 2 x SERADISC FILTERS
- 1 x 2" SHUT OFF VALVE

**£1350<sup>+vat</sup>**