

Case study 662

Sykes Pumps Hire provides solution for Salmon Farm in Cumbria

Sykes Pumps Hire was recently approached by a salmon farm in the Lake District, with the client requiring a solution to prevent and monitor low water supply.

Our client is based near a Cumbrian reservoir that was highly affected by the 2018 summer heatwave, which subsequently caused the availability of water to almost completely dry up. Amazingly, water levels got so low that the ruins of a previously submerged village began to reappear following a massive depletion of water. The small town was deliberately allowed to flood approximately 80 years ago in order to create a reservoir to provide water for Manchester and the North West of England.

The well-known farm is used to nurture salmon before being transported to Scotland for further development. Agricultural land is fed with a regulated water supply from the reservoir, but this had become critically low because of the lack of rain.

Our team visited the site and installed 4 general purpose super silent pumps which could be operational during the night time without causing noise disturbance to people living nearby. The equipment we proposed pumped water from a different source of the dam before delivering it to the farm's main intake water tank – bypassing the original supply system. Due to the varying flow rates, the water was monitored with a flow meter via gate valves.

Had we not reacted quickly enough, the low water levels could have potentially affected the distribution of fish to wholesalers across the country and beyond. Instead, our customer was extremely satisfied with the outcome of the project which was supported by a comprehensive contingency service for additional peace of mind. The swift intervention of our regional technicians helped circumvent a potentially serious challenge and overcome the problem with minimal fuss.



Performance Max head 38m

Max flow 90l/s

Max solid 52mm

Weight 1990kg with fuel

1800kg without fuel

Dimensions: 2310 x 1250 x 1535

(L x W x H)mm

Noise level: @7m=65dBA

Fuel tank capacity 175 litres. Max 24hr

Pipe connections Suction 6" Table D

Discharge 6" Table D

Bauer couplings option

Fuel consumption Full load @ 1800 rpm: 9.8l/h

Energy efficient Fuel Consumption @ 1500rpm: duty point: 4.1 l/h



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0800 211 611

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