

Hydropower Opportunities in Isle of Wight

Data from ***Opportunity and environmental sensitivity mapping for hydropower in England and Wales:***
<http://www.environment-agency.gov.uk/shell/hydropowerswf.html>

The data supplied are intended to provide national and regional overviews of the potential hydropower opportunities available, their locations, and their relative environmental sensitivity to exploitation.

At site-level, there will be some error inherent in the results as the map uses a national GIS dataset that is based on various sources. One-third of the sites where older 'Synthetic Aperture RADAR' (SAR) data was used for the height estimate include an error of up to one metre. The remaining two-thirds use 'Light Detection and Ranging' (LIDAR), which is accurate to 25cm. This means that the data for an individual site may be inaccurate, but at the national and regional level the error will be averaged out to an extent.

These data are indicative only and are not intended to replace any part of an individual site assessment, which is necessary for a full scheme appraisal.

OBSTRUCTID	Power_Cat	Sens_Cat	REGION	LAUTHORITY	X	Y
13898	0 - 10 kW		South East Region	Isle of Wight	457250.6875000000	82697.1015625000
13904	0 - 10 kW		South East Region	Isle of Wight	458306.5937500000	80965.6250000000
13915	0 - 10 kW	High	South East Region	Isle of Wight	450328.8750000000	88609.6718750000
13951	0 - 10 kW	High	South East Region	Isle of Wight	450059.7812500000	89389.9453125000
13984	20 - 50 kW	High	South East Region	Isle of Wight	450271.0312500000	89112.4921875000
13985	0 - 10 kW	High	South East Region	Isle of Wight	449908.9062500000	85190.2812500000
13986	0 - 10 kW	High	South East Region	Isle of Wight	450076.0625000000	89377.6796875000
14013	0 - 10 kW		South East Region	Isle of Wight	457721.7187500000	85653.7812500000
14024	0 - 10 kW		South East Region	Isle of Wight	458191.5625000000	80841.1406250000
14042	10 - 20 kW		South East Region	Isle of Wight	462746.1250000000	88162.9921875000
14070	0 - 10 kW	High	South East Region	Isle of Wight	450241.5937500000	88909.6484375000
14076	0 - 10 kW		South East Region	Isle of Wight	458072.7500000000	80650.2187500000
14110	0 - 10 kW	High	South East Region	Isle of Wight	449816.9687500000	84983.8437500000
14119	0 - 10 kW		South East Region	Isle of Wight	442638.1562500000	82395.8750000000
14124	0 - 10 kW		South East Region	Isle of Wight	454350.3437500000	85430.0234375000

OBSTRUCTID	Power_Cat	Sens_Cat	REGION	LAUTHORITY	X	Y
14134	0 - 10 kW		South East Region	Isle of Wight	441431.5625000000	89211.8359375000
14137	0 - 10 kW		South East Region	Isle of Wight	458485.5312500000	81064.8046875000
14141	0 - 10 kW	High	South East Region	Isle of Wight	450245.7187500000	87327.2265625000
14143	0 - 10 kW		South East Region	Isle of Wight	458417.6562500000	81077.9531250000
14151	0 - 10 kW		South East Region	Isle of Wight	458017.6875000000	80591.8281250000
14154	0 - 10 kW		South East Region	Isle of Wight	458320.5625000000	85277.6718750000
14171	0 - 10 kW	High	South East Region	Isle of Wight	450240.6562500000	88986.2890625000
14172	0 - 10 kW	High	South East Region	Isle of Wight	450257.6875000000	88982.4843750000
14179	50 - 100 kW	High	South East Region	Isle of Wight	450365.2187500000	88243.2500000000
14183	0 - 10 kW		South East Region	Isle of Wight	444851.8750000000	79855.1718750000
14190	0 - 10 kW		South East Region	Isle of Wight	454949.7812500000	81673.5703125000
14239	0 - 10 kW		South East Region	Isle of Wight	441633.1875000000	86816.1015625000
14250	20 - 50 kW	High	South East Region	Isle of Wight	450356.3125000000	88087.1406250000
14266	0 - 10 kW		South East Region	Isle of Wight	458377.8750000000	81041.5546875000
14273	10 - 20 kW		South East Region	Isle of Wight	458284.9687500000	85320.2656250000
14279	0 - 10 kW		South East Region	Isle of Wight	458097.3750000000	80691.8671875000
14288	0 - 10 kW		South East Region	Isle of Wight	459683.8125000000	91943.3203125000
14289	0 - 10 kW		South East Region	Isle of Wight	458286.7187500000	80939.6796875000
14290	0 - 10 kW	High	South East Region	Isle of Wight	450302.7187500000	88605.3046875000
14376	0 - 10 kW		South East Region	Isle of Wight	457760.5000000000	92257.5000000000
14379	0 - 10 kW		South East Region	Isle of Wight	458079.7500000000	80656.9062500000
14383	20 - 50 kW	High	South East Region	Isle of Wight	450369.8750000000	88211.0468750000
14393	0 - 10 kW		South East Region	Isle of Wight	457742.0312500000	92300.8671875000
14466	0 - 10 kW	High	South East Region	Isle of Wight	450306.4062500000	88602.3750000000
14467	0 - 10 kW	High	South East Region	Isle of Wight	450307.1562500000	88601.7734375000
14468	0 - 10 kW	High	South East Region	Isle of Wight	450439.6562500000	86010.8437500000
14469	0 - 10 kW	High	South East Region	Isle of Wight	450441.2500000000	86007.0546875000
14486	0 - 10 kW		South East Region	Isle of Wight	458380.6875000000	81056.8203125000
14487	0 - 10 kW		South East Region	Isle of Wight	458380.3125000000	81054.8203125000
14488	0 - 10 kW	High	South East Region	Isle of Wight	450256.5625000000	87653.9531250000

OBSTRUCTID	Power_Cat	Sens_Cat	REGION	LAUTHORITY	X	Y
14489	0 - 10 kW	High	South East Region	Isle of Wight	450255.5625000000	87649.9765625000
14490	0 - 10 kW	High	South East Region	Isle of Wight	450254.9062500000	87646.3984375000
14491	10 - 20 kW	High	South East Region	Isle of Wight	450220.0312500000	88791.2031250000
14603	0 - 10 kW		South East Region	Isle of Wight	450832.5000000000	78255.1796875000
14604	0 - 10 kW		South East Region	Isle of Wight	438195.8125000000	83750.9765625000
14626	0 - 10 kW		South East Region	Isle of Wight	436775.1250000000	85190.7421875000
14638	0 - 10 kW		South East Region	Isle of Wight	449090.0937500000	75795.0234375000
14640	10 - 20 kW		South East Region	Isle of Wight	457820.6250000000	77945.5781250000
14656	0 - 10 kW		South East Region	Isle of Wight	450937.6875000000	91962.8203125000
14664	0 - 10 kW		South East Region	Isle of Wight	458288.6250000000	80962.4921875000
14666	0 - 10 kW		South East Region	Isle of Wight	458373.4375000000	81031.1328125000
14667	0 - 10 kW		South East Region	Isle of Wight	458316.6562500000	80967.0000000000
14970	0 - 10 kW		South East Region	Isle of Wight	448490.4062500000	96427.7734375000
15016	0 - 10 kW		South East Region	Isle of Wight	439099.4687500000	84093.8515625000

Attribute Field	Category	Description	Unit	Data source
OBSTRUCTID	Barriers Field	Field in Original Barriers Dataset		Detailed River Network; Ordnance Survey Mastermap
Power_Cat	Hydro Opps Power	Calculated Power category	As report	Calculated
Sens_Cat	Hydro Opps Env Sens	Environmental sensitivity category	High; medium; low	Calculated, based on Fisheries Classification Scheme 2 and Natural England SAC and Water Resources GIS
Region	Hydro Opps	Region in which the barrier is located		Ordnance Survey
LAuthority	Hydro Opps	Local Authority in which the barrier is located		Ordnance Survey
X	Hydro Opps	X Coordinate of Barrier		-
Y	Hydro Opps	Y Coordinate of Barrier		-