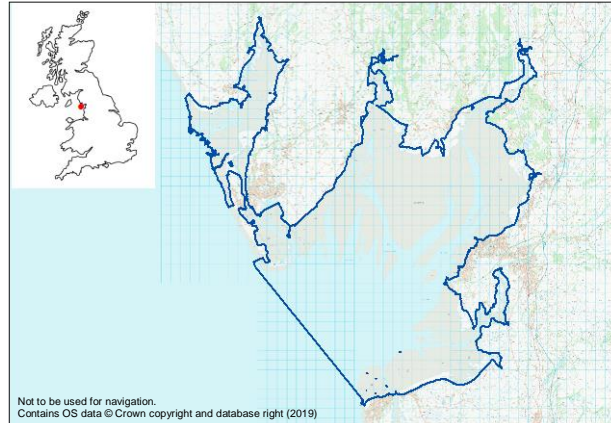


Morecambe Bay SAC

Description:

Morecambe Bay is a large, very shallow, predominantly sandy bay at the confluence of four principal estuaries, the Leven, Kent, Lune and Wyre. It is one of the largest areas of intertidal flats in Britain and includes shallow subtidal sands, tide-washed channels (including the unique feature of Lune Deep) and rocky scars of glacially derived material.



Qualifying features:

This site hosts the following habitats: Atlantic decalcified fixed dunes; Atlantic salt meadows; coastal lagoons; dunes with *Salix repens* ssp. *argentea*; embryonic shifting dunes; estuaries; fixed dunes with herbaceous vegetation; humid dune slacks; large shallow inlets and bays; mudflats and sandflats not covered by seawater at low tide; perennial vegetation of stony banks; reefs; *Salicornia* and other annuals colonising mud and sand; sandbanks which are slightly covered by sea water all the time; shifting dunes along the shoreline with *Ammophila arenaria*. The site also supports great crested newt (*Triturus cristatus*).

Management:

- None raised.

Stakeholder Concerns:

Morecambe Bay has hotspots of activity close to local urban areas, but with significantly less activity noted when moving away from these areas. Most of the impacts from non-licensable activities are more relevant to the Morecambe Bay and Duddon Estuary special protection area, with the Morecambe Bay special area of conservation being impacted more by licensed or commercial activities.

MPA: Morecambe Bay SAC				No. Stakeholders: 1 online & 4 workshop			
Activity	Frequency	Duration	Participation	Intensity	Confidence	MPA Extent	Trend
Board sports	3	2	2	12	M	1	↑
Geophysical surveys	4	2	1	8	H	1	→
Motor boating	3	2	1	6	M	1	→
Jetskis	3	2	2	12	M	2	↑
Paddle sports	2	2	2	6	M	1	↑
Parascending	0	0	0	0	M	0	→
Sailing (non-motorised)	2	2	2	8	L	1	→
SCUBA diving	0	0	0	0	L	0	?
Swimming / Snorkelling	1	1	1	1	M	1	→
Towed water sports	?	?	?	?	L	?	?
Wildlife watching from the sea	0	0	0	0	L	0	?
Bait collection	4	2	1	8	M	1	→
Beach recreation	4	1	2	8	L	1	→
Coasteering	0	0	0	0	?	0	?
Land boarding	2	1	1	2	M	1	→
Motorsports (quad bikes, motorbikes)	3	1	1	3	M	1	↑
Vehicle access (cars on foreshore)	1	1	1	1	M	1	→
Wildlife watching from the land	4	2	4	32	M	1	→
Drone use	1	1	1	1	L	1	↑
Gliding (unpowered)	0	0	0	0	M	0	→
Aircraft (powered)	4	1	1	4	L	1	→

KEY

FREQUENCY	DURATION	PARTICIPATION	INTENSITY	CONFIDENCE	EXTENT	TREND
4 Regular/daily	4 >8 hours	6 >100	45-96 High	H High	2 Whole MPA (solid)	↑ Increase
3 Regular/weekends	3 4-8 hours	5 51-100	24-40 Med-high	M Medium	1 Part of MPA (shaded)	→ Stay the same
2 Seasonally	2 2-4 hours	4 21-50	9-20 Low-med	L Low	0 Does not occur	↓ Decrease
1 Sporadically	1 <2 hours	3 11-20	1-8 Low	? Data missing	? Data missing	? Data missing
0 Does not occur	0 Does not occur	2 6-10	0 Does not occur			
? Data missing	? Data missing	1 1-5	? Data missing			
		0 Does not occur				
		? Data missing				



Marine
Management
Organisation

Non-licensable activities which occur in and around the Morecambe Bay SAC

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Water based activities

- Board sports
- Geophysical surveys
- Motor boating
- Jetskis
- Paddle sports
- Sailing
- Towed water sports

Land based activities

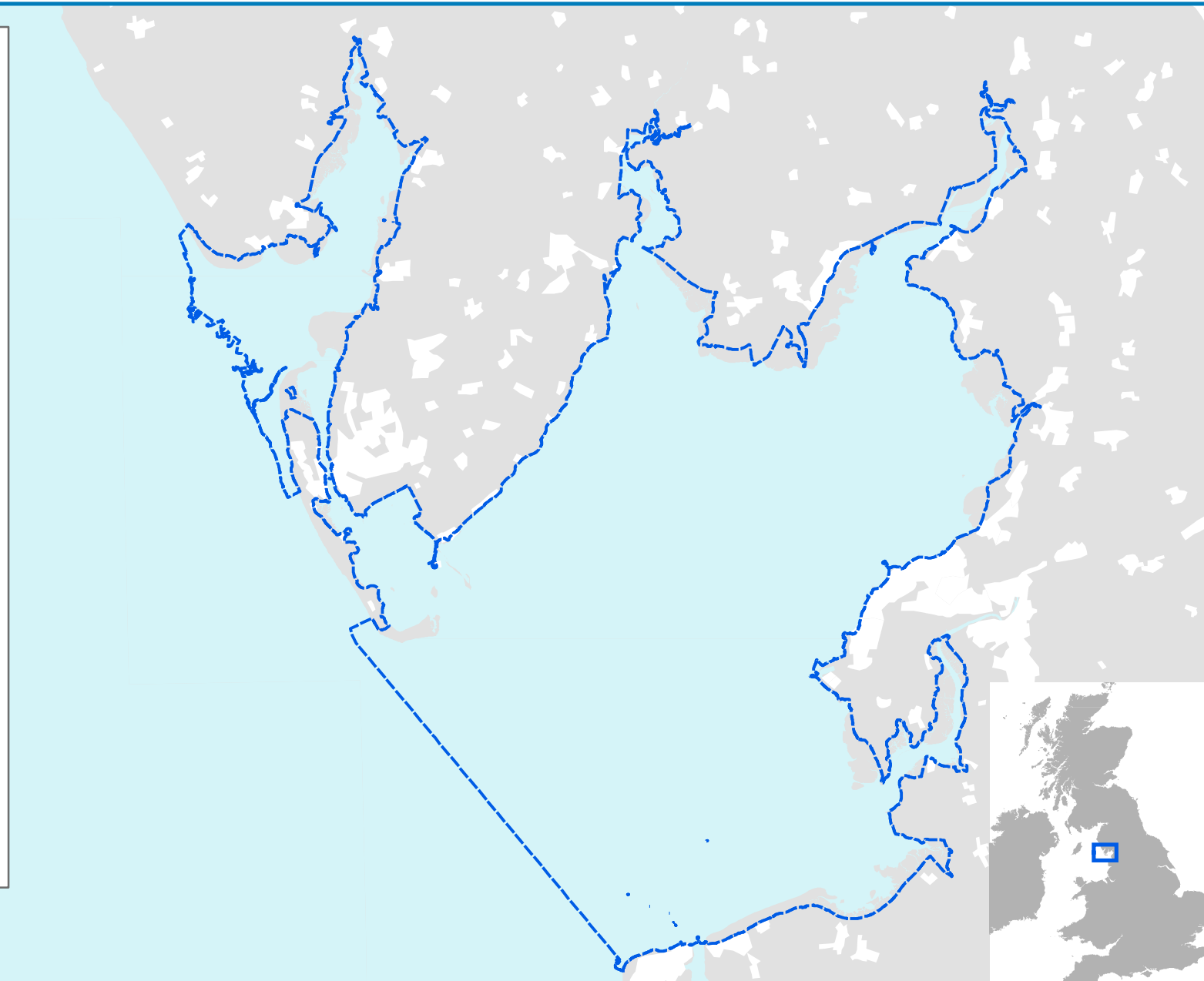
- Bait collection
- Beach recreation
- Land boarding
- Motorsports
- Vehicle access (cars on foreshore)
- Wildlife watching from the land

Aerial activities

- Drone use
- Aircraft (powered)

Supplementary data



- SCUBA diving sites (Seasearch)
- General boating areas (RYA)
- MPA boundary



Marine Protected Area Designated Features - Marine SAC and Subfeatures






SAC Complex features (Polygons)

SAC_SFCODE

-  Estuaries (H1130)
-  Large shallow inlets and bays (H1160)







Mudflats and sandflats not covered by seawater at low tide (H1140) polygons

SAC_SFCODE

-  Intertidal coarse sediment (A2.1)
-  Intertidal sand and muddy sand (A2.2)
-  Intertidal mud (A2.3)
-  Intertidal mixed sediments (A2.4)
-  Intertidal seagrass beds (A2.61)








Sandbanks which are slightly covered by sea water all the time (H1110) polygons

SAC_SFCODE

-  Subtidal coarse sediment (A5.1)
-  Subtidal sand (A5.2)
-  Subtidal mud (A5.3)
-  Subtidal mixed sediment (A5.4)
-  Maerl beds (A5.51)
-  Subtidal seagrass beds (A5.53)








Reefs (H1170) points

SAC_SFCODE

-  Intertidal rock (A1)
-  Intertidal biogenic reefs: (*Sabellaria alveolata*) (A2.71)
-  Intertidal biogenic reefs: mussel beds (SF_SH_5)
-  Infralittoral rock (A3)
-  Circalittoral rock (A4)
-  Subtidal biogenic reefs: (*Sabellaria spp.*) (A5.61)
-  Subtidal biogenic reefs: mussel beds (SF_SH_6)

Reefs (H1170) polygons

SAC_SFCODE

-  Intertidal rock (A1)
-  Intertidal biogenic reefs: (*Sabellaria alveolata*) (A2.71)
-  Intertidal biogenic reefs: mussel beds (SF_SH_5)
-  Infralittoral rock (A3)
-  Circalittoral rock (A4)
-  Subtidal biogenic reefs: (*Sabellaria spp.*) (A5.61)
-  Subtidal biogenic reefs: mussel beds (SF_SH_6)

SAC_SFCODE

-  Sea Caves (H8330)

SAC_SFCODE

-  Saltmarsh (A2.5)