



Bull Kelp

Instructions & Metadata

Some rules for data entry

1. Please use the same Site & Bed names you have in previous upload
2. Please use the same Latitude/Longitude if you've sampled the site before
3. Please leave cell blank if measurement was missed (do not put a "0" or N/A)

1. The first 6 columns describe WHERE (site characteristics) & WHEN (date) you sampled:

	site	latitude	longitude	date_surveyed	survey_type	site_notes
format	<i>text: maximum 255 characters</i>	<i>number: decimal degrees</i>		<i>mm/dd/yyyy</i>	<i>text: maximum 255 characters</i>	<i>text: maximum 255 characters</i>
description	use the same overall site name for all beds at a given location	use the same coordinates used previously if re-sampling the same strata at the same site		date surveyed	list all surveys conducted (ex. snorkel, kayak, wrack, birds, logs)	notes on site, conditions of day
required?	required	required		required	required	recommended

2. The next 10 columns is KAYAK DATA for perimeter track around the kelp beds:

	bed_name	start_time	end_time	trip_leader	participants
format	<i>text: maximum 255 characters</i>	<i>time: hh:mm</i>	<i>time: hh:mm</i>	<i>text: maximum 255 characters</i>	<i>text: maximum 1,000 characters</i>
description	include overall site name, followed by a distinguishing label (ex. north, east, center, #) to differentiate between kelp beds within the same site, maximum 255 characters	kayak survey start time in 24-hr	kayak survey end time in 24-hr	name of trip leader, maximum 255 characters	list of participant names
required?	required	optional	optional	optional	optional

	perimeter_GPS	track_name	perimeter_km	area_acres	kayak_notes
format	<i>text: maximum 255 characters</i>	<i>text: maximum 255 characters</i>	<i>number: kilometers</i>	<i>number: acres</i>	<i>text: maximum 1,000 characters</i>
description	name of GPS used to take perimeter	name of perimeter track saved on GPS	total length of kelp bed perimeter calculated through GIS	total area of kelp bed. calculated through GIS	notes on the kayak survey and additional observations, including animals present, the health of kelp, and human impact
required?	required	required	required	required	recommended

3. The next 8 columns is KAYAK WAYPOINT DATA:

	gps	waypoint_number	waypoint_latitude	waypoint_longitude	description	depth_m	temp_c	waypoint_notes
format	<i>text: maximum 255 characters</i>	<i>number: integer</i>	<i>number: decimal degrees</i>		<i>text: maximum 255 characters</i>	<i>number: meters</i>	<i>number: degree celsius</i>	<i>text: maximum 1,000 characters</i>
description	name of GPS used to take waypoint	number assigned to waypoint on GPS	use coordinates for individual waypoints		what the waypoint marks, such as boundary point (BP), near shore edge (NSE), far shore edge (FSE), perimeter start, photo point, or kelp cluster (KC)	water depth at the point along kelp bed edge	water temperature at point along kelp bed edge	notes on waypoint (location land markers, number of bulks, any special features)
required?	recommended	recommended	recommended		recommended	recommended	recommended	recommended