

Electromagnetic Fields Effects from Power Cables and Marine Renewable Energy Devices

Some marine animals, such as crabs and sharks, can sense natural electric and magnetic (or electromagnetic) fields. These animals use electromagnetic fields to find food and explore their environment. Electric cables from marine renewable energy devices can add new electromagnetic fields to the environment, which could confuse the animals that rely on the natural fields. Scientists have studied this, and while some sensitive animals may act differently around marine renewable energy cables, they are unlikely to be harmed. In fact, cables can be buried underneath the seabed or covered with concrete and other materials to keep animals from coming too close to the cables and their electromagnetic fields.

