

### **Aquaculture Sectors (existing and emerging)**

Aquaculture has developed into a diverse range of activities and techniques in both freshwater and marine environments that includes many species of finfish, shellfish, crustaceans, aquatic plants and seaweed. The different, locations, techniques, species and feeding methods all influence the type of regulation required. Some enterprises are considered to be contained and secure whilst others are open to the environment. Increasing interest is being paid to combinations of species and systems for environmental reasons. To help an emerging aquaculture industry understand its regulatory framework the regulatory requirements have been broken down into the following aquaculture sectors.

<b>Environment</b>	<b>Culture Type</b>		<b>Typical Species</b>
Marine	Shellfish Aquaculture	On-bottom (trestles, or ground cultured)	Mussels, Scallops, Oysters, Clams.
		Off-bottom (Longline or raft)	Mussels, Scallops, Oysters.
Marine	Crustacean Cage Culture		Lobsters
Marine	Macro-algae Culture		Kelps
Marine	Finfish open net pens & submerged cages.		Salmon, Trout, Bass, Bream etc.
Marine	Integrated Multi-Trophic Aquaculture (IMTA)		Combinations of marine species of finfish, Shellfish, Macro algae and Crustaceans.
Marine (land based)	Pump ashore flow through finfish farms		Flatfish, Salmon smolts, Sea bass.
Marine (land based)	Shellfish Aquaculture	Hatcheries	Oysters, Clams, Scallops, Abalone.
		Pump ashore shellfish	Abalone, Scallop.
Marine (land based)	Recirculation Aquaculture System (RAS)		Sea bass, Flatfish, Salmon, Prawns.
Marine (land based)	Macro-algae Culture		Kelps
Marine (land based)	Shellfish Purification Centre		Mussels, Oysters, Scallops.
Freshwater	Flow Through and Static Water Finfish Farms		Trout & Salmon. Cyprinids and Coarse species.
Freshwater	Fully Enclosed Recirculation Aquaculture Systems (RAS)		Cyprinids, Tilapia, Pike perch, Barramundi, Crustaceans
Freshwater	Aquaponics Farm		Combinations of freshwater species of finfish, aquatic or water loving plants and Crustaceans.