

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.

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