CLAIMS

1. An apparatus operable to concurrently spawn and have eggs and live-birth aquatic animals spontaneously removed from the apparatus, the apparatus comprising:

a holding tank comprising one or more housing structures, wherein the one or more housing structures comprise a crevice configured to house aquatic animals for mating and/or spawning;

an outlet at bottom of the holding tank, wherein the outlet is configured with a porous mesh having an average pore size for eggs and live-birth aquatic animals to be removed from the holding tank;

an aeration element to channel air bubbles into the holding tank, wherein the aeration element is arranged circumferentially proximal to the porous mesh and away from the one or more housing structures; and

a collection tank in fluid communication with the holding tank for receiving the eggs and the live-birth aquatic animals.

2. The apparatus of claim 1, wherein the one or more housing structures are arranged circumferentially in the holding tank.

3. The apparatus of claim 1 or 2, wherein the one or more housing structures are arranged above the aeration element.

4. The apparatus of any one of claims 1 to 3, wherein each of the one or more housing structures comprises an assembly of crevices.

5. The apparatus of any one of claims 1 to 4, wherein the porous mesh has an average pore size of 0.1 cm to 5 cm.

6. The apparatus of any one of claims 1 to 5, wherein the porous mesh is arranged to cover the outlet.

7. The apparatus of any one of claims 1 to 6, wherein the aeration element is arranged to have the air bubbles (i) directed upward away from the porous mesh and (ii) revolve in a circular motion in the holding tank.

8. The apparatus of any one of claims 1 to 7, wherein the aeration element is arranged peripherally around the porous mesh.

9. The apparatus of any one of claims 1 to 8, wherein the aeration element comprises one or more aeration tubes, each of the one or more aeration tubes comprising at least one hole arranged to channel air bubbles into the holding tank.

10. The apparatus of any one of claims 1 to 9, wherein the aeration element is arranged on a support and proximal to the porous mesh.

11. The apparatus of claim 10, wherein the support is a ceramic, plastic, or stainless steel stand or frame.

12. The apparatus of any one of claims 1 to 9, wherein the aeration element is arranged in the same plane as the porous mesh.

13. The apparatus of any one of claims 1 to 12, wherein the outlet is in fluid communication with a drainage pipe to channel the eggs and the live-birth aquatic animals to the collection tank.

14. The apparatus of any one of claims 1 to 12, wherein the collection tank comprises a collection tray to sieve out the eggs and the live-birth aquatic animals.

15. The apparatus of claim 14, wherein the collection tray is anchored and floatable.

16. The apparatus of claim 14, wherein the collection tray is horizontally movable while floating on a fluid surface in the collection tank.

17. The apparatus of any one of claims 1 to 16, wherein the collection tank comprises one or more filter beds for removing detritus.

18. The apparatus of claim 17, wherein the one or more filter beds are arranged vertically (i) in the middle or proximal to the middle of the collection tank and (ii) extend~~s~~ing across the collection tank to capture any detritus.

19. The apparatus of any one of claims 1 to 18, wherein the collection tank comprises a pump to recycle water into the holding tank.

20. A system comprising one or more apparatus of any one claims 1 to 19.