



# WAVMA Aquatic Veterinary Nurse/Tech Certification Program

## CertAqVNT Knowledge, Skills & Experience/Education (KSE) Record

Applicant: \_\_\_\_\_ Date submitted: \_\_\_\_\_

Mentor: \_\_\_\_\_ Date approved: \_\_\_\_\_ Comments: \_\_\_\_\_

Adjudicator 1: \_\_\_\_\_ Date approved: \_\_\_\_\_ Comments: \_\_\_\_\_

Adjudicator 2: \_\_\_\_\_ Date approved: \_\_\_\_\_ Comments: \_\_\_\_\_

Date Credentialing Committee approved: \_\_\_\_\_

Date Board approved: \_\_\_\_\_

### Instructions

The Certified Aquatic Veterinary Nurse/Technician applicant should document the date and source of knowledge, skills and experience for each KSE module. KSE's must be at least at the level of what is expected in a veterinary nursing/technician curriculum that leads to a veterinary nursing/technician qualification, and should cover information unique to aquatic mammals, reptiles, amphibians, finfish, crustaceans, or molluscs. Credits are roughly equivalent hours spent obtaining a specific KSE (e.g. 1 credit = 1 hour of study or activity). The mentor or adjudicators may require a full description and documented proof of any KSE claimed.

The following categories are acceptable sources of KSE's (these maybe KSE's that are taken or developed/taught by the applicant)

- |  |   |
|--|---|
| A. Continuing Education and Professional Development (CEPD) classes/lectures | 1 hour = 1 credit   |
| B. Academic Programs or courses (University or College Level)                | 2 class hours = 1 credit (e.g. 40-hour week = 20 credits)                               |
| C. Post- nursing qualification: Training (Degree, Internships, Residencies)  | Inter/residencies = 50; MSc;75; PhD = 100 credits                                       |
| D. Journal/Literature self-study and online education                        | Article/webinar = 1; Book = 1/chapter up to 10 credits/book                             |
| E. Clinical nursing experience and case logs                                 | Case report = 5 credits per case  |
| F. Publications & Presentations in Professional Meeting                      | Published article = 5; Peer reviewed article = 10; Book Chapter =10; Complete book = 40 |
| G. Referenced Essay  | 1000 word = 5 credits, 2000 word = 10 credits   |

Please complete this form and submit it, **along with** a copy of the applicant's CV via the online system, for review and approval.

### Required Core Knowledge, Skills & Experience (KSE) Subject Area Modules (150 total credits required)

|   |          |
|---|----------|
| <b>KSE Module 1: Aquatic Environment and Life Support Systems</b>               | <b>2</b> |
| <b>KSE Module 2: Taxonomy, Anatomy and Physiology</b>                           | <b>2</b> |
| <b>KSE Module 3: Husbandry &amp; Industries</b>                                 | <b>2</b> |
| <b>KSE Module 4: Pathobiology &amp; Epidemiology of Aquatic Animal Diseases</b> | <b>3</b> |
| <b>KSE Module 5: Diagnostics and Treatment of Aquatic Animal Diseases</b>       | <b>3</b> |
| <b>KSE Module 6: Clinical Nursing Experience and Client Communications</b>      | <b>3</b> |
| <b>KSE Module 7: Legislation, Regulations, Public Health, Zoonotics</b>         | <b>4</b> |
| <b>List name of CEPD/Class/Article Source, Location and Date</b>                | <b>4</b> |
| <b>KSE Module 8: Aquatic Animal Welfare</b>                                     | <b>4</b> |

## PRE-CLINICAL SUBJECTS

Add rows to table as necessary

| KSE Module 1: Aquatic Environment and Life Support Systems<br>List name of CEPD/Class/Article Source, Location and Date  | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|--|-----------------------------------|-------------------|-----------------|
|  |                                   | Applicant Claimed | Mentor Approved |
| <b>Water Chemistry for Australian Freshwater Turtles: Testing, Interpretation and Problem-Solving</b><br>30 mins presentation<br>Unusual Pets and Avian Veterinarians Conference on 30.11.2019 | F                                 | 2                 | 2               |
| B -1001 Jones - Nitrogen Cycle & Biofiltration<br>Rob Jones<br>09.10.2020<br>WebCEPD Program   | D                                 | 1                 | 1               |
| Module Three – Water Chemistry and Quality (Program 1554-411784)<br>The Aquarium Vet<br>10.09.2020   | A                                 | 15                | 15              |
| Module Four – Aquatic Life Support System (Program 1554-41597)<br>The Aquarium Vet<br>04.11.2020   | A                                 | 15                | 15              |
| The aquatic environment by Jane Lloyd<br>BSAVA Manual of Ornamental Fish (2nd edition) edited by William H Wildgoose<br>13.06.2022   | D                                 | 1                 | 1               |
| Freshwater aquaria by David Pool<br>BSAVA Manual of Ornamental Fish (2nd edition) edited by William H Wildgoose<br>13.06.2022  | D                                 | 1                 | 1               |
| Water quality-related emergencies in veterinary fish medicine by Richmond Loh<br>Unusual Pets and Avian Veterinarian (UPAV) conference 2022<br>26.07.2022                                      | A                                 | 1                 | 1               |
| Module 9 - Sea jellies and echinoderms<br>The Aquarium Vet<br>10.08.2022   | A                                 | 2.5               | 2.5             |
| Module 10 - Coral Husbandry<br>The Aquarium Vet<br>30.08.2022  | A                                 | 2.5               | 2.5             |
| Module 8 - Invertebrates 1 Cephalopods and Crustaceans<br>The Aquarium Vet<br>12.09.2022   | A                                 | 2.5               | 2.5             |
| <b>Credits Claimed for Module 1 [minimum 35 credits required]</b>  |                                   | 43.5              | 43.5            |

Add rows to table as necessary

| KSE Module 2: Taxonomy, Anatomy and Physiology<br>List name of CEPD/Class/Article Source, Location and Date | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|---|-----------------------------------|-------------------|-----------------|
|   |                                   | Applicant Claimed | Mentor Approved |
| Module one – Fish Anatomy and Physiology (Program 1554 – 41782)<br>The Aquarium Vet<br>26.09.2020           | A                                 | 15                | 15              |

| KSE Module 2: Taxonomy, Anatomy and Physiology<br>List name of CEPD/Class/Article Source, Location and Date                    | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|--|-----------------------------------|-------------------|-----------------|
|  |                                   | Applicant Claimed | Mentor Approved |
| A1 Anatomy and Taxonomy by Natalie D Mylniczenko<br>A chapter from Clinical Guide to Fish Medicine                             | D                                 | 1                 | 1               |
| Evodevo Questions Related to Ornamental Morphology<br>A chapter from Goldfish Development and Evolution (Ota, 2021)<br>06.2022 | D                                 | 1                 | 1               |
| Module seven - Elasmobranchs<br>The Aquarium Vet<br>17.06.2020   | A                                 | 2.5               | 2.5             |
| Module 9 - Sea jellies and echinoderms<br>The Aquarium Vet<br>10.08.2022   | A                                 | 2.5               | 2.5             |
| Module 10 - Coral Husbandry<br>The Aquarium Vet<br>30.08.2022  | A                                 | 2.5               | 2.5             |
| Amphibian Anatomy, Histology and Pathology by David Perpnan<br>Vet Academy<br>15.09.2022                                       | A                                 | 0.25              | 0.25            |
| Module 8 - Invertebrates 1 Cephalopods and Crustaceans<br>The Aquarium Vet<br>12.09.2022                                       | A                                 | 2.5               | 2.5             |
| <b>Credits Claimed for Module 2 [minimum 10 credits required]</b>  |                                   | <b>27.25</b>      | <b>27.25</b>    |

Add rows to table as necessary

| KSE Module 3: Husbandry & Industries<br>List name of CEPD/Class/Article Source, Location and Date   | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|---|-----------------------------------|-------------------|-----------------|
|   |                                   | Applicant Claimed | Mentor Approved |
| Module Six – Nutrition and Reproduction<br>The Aquarium vet e-Quarist Course<br>29.08.2021  | A                                 | 15                | 15              |
| A4 Nutrition and Nutritional Support by Lisa A Hoopers and Elizabeth A Koutsos<br>A chapter from Clinical Guide to Fish Medicine (Hadfield & Clayton, 2021) | D                                 | 1                 | 1               |
| A5 Fish behaviour by Ilana R Alderman and Leigh A clayton<br>A chapter from Clinical Guide to Fish Medicine (Hadfield & Clayton, 2021)                      | D                                 | 1                 | 1               |
| Module Seven - Elasmobranchs<br>The Aquarium vet e-Quarist Course<br>17.06.2022   | A                                 | 2.5               | 2.5             |
| Balon EK. Fancy goldfish: a complete guide to care and collecting. <i>J. Fish Biol</i> 2004; 65 (1): 1- 27<br>06.2022                                       | D                                 | 1                 | 1               |
| Module 9 - Sea jellies and echinoderms<br>The Aquarium Vet<br>10.08.2022  | A                                 | 2.5               | 2.5             |

| KSE Module 3: Husbandry & Industries<br>List name of CEPD/Class/Article Source, Location and Date | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|---|-----------------------------------|-------------------|-----------------|
|   |                                   | Applicant Claimed | Mentor Approved |
| Module 10 - Coral Husbandry<br>The Aquarium Vet<br>30.08.2022                                     | A                                 | 2.5               | 2.5             |
| Module 8 - Invertebrates 1 Cephalopods and Crustaceans<br>The Aquarium Vet<br>12.09.2022          | A                                 | 2.5               | 2.5             |
| Basic Fish Health Medicine Program<br>American Association of Fish Veterinarians<br>02.10.2022    | A                                 | 2.5               | 2.5             |
| <b>Credits Claimed for Module 3 [minimum 15 credits required]</b>                                 |                                   | 30.5              | 30.5            |

### CLINICAL SUBJECTS

Add rows to table as necessary

| KSE Module 4: Pathobiology & Epidemiology of Aquatic Animal Diseases<br>List name of CEPD/Class/Article Source, Location and Date   | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|---|-----------------------------------|-------------------|-----------------|
|   |                                   | Applicant Claimed | Mentor Approved |
| Module two – Disease Concepts and Diagnostics in Fish (Program 1554-41783)<br>The Aquarium Vet<br>06.09.2020  | A                                 | 7.5               | 7.5             |
| Module seven - Elasmobranchs<br>The Aquarium Vet<br>17.06.2022  | A                                 | 2.5               | 2.5             |
| Pathogen types and necropsy techniques by Rob Jones<br>The Aquarium Vet webinar<br>29.06.2022   | D                                 | 0.5               | 0.5             |
| B1055: Fins, scales, and shells: One Health from an aquatic veterinary epidemiological perspective by Stephanie Norman<br>WAVMA WebCEPD<br>04.07.2022   | D                                 | 1                 | 1               |
| Hepatopancreas necrosis in the Caribbean spiny lobster, Panulirus agus by Hannah Bennett<br>Webinar<br>AFS- FHS <a href="https://sites.google.com/umn.edu/fishhealthseminar/home?authuser=0">https://sites.google.com/umn.edu/fishhealthseminar/home?authuser=0</a><br>04.07.2022 | D                                 | 1                 | 1               |
| Non-infectious emergencies in veterinary fish medicine by Richmond Loh<br>UPAV conference 2022<br>26.07.2022  | A                                 | 0.25              | 0.25            |
| VC2016: Longshaw: Fish Parasites by Matt Longshaw<br>WAVMA WebCEPD<br>29.07.2022  | D                                 | 1                 | 1               |
| B-1058: Gill disease in Atlantic salmon - a complex situation by Patricia Noguera<br>WAVMA WebCEPD<br>31.07.2022  | D                                 | 0.5               | 0.5             |

| KSE Module 4: Pathobiology & Epidemiology of Aquatic Animal Diseases<br>List name of CEPD/Class/Article Source, Location and Date | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|---|-----------------------------------|-------------------|-----------------|
|   |                                   | Applicant Claimed | Mentor Approved |
| B-1048: Group B Streptococcus: a killer of fish and men by Ruth N. Zadoks<br>WAVMA WebCEPD  | D                                 | 1                 | 1               |
| Loh R, Landos M. Fish Disease. <i>Fish vetting essentials</i> . Richmond Loh Publishing, Perth, 2011: 101- 148<br>09.08.2022      | D                                 | 1                 | 1               |
| Module 9 - Sea jellies and echinoderms<br>The Aquarium Vet<br>10.08.2022  | A                                 | 2.5               | 2.5             |
| Module 10 - Coral Husbandry<br>The Aquarium Vet<br>30.08.2022   | A                                 | 2.5               | 2.5             |
| VC2016 Buoyancy disorders of goldfish by William Wildgoose<br>WAVMA WebCEPD<br>01.09.2022   | D                                 | 0.25              | 0.25            |
| B-1027: Iridovirus Infections of Fish by Paul Hick<br>WAVMA WebCEPD<br>01.09.2022   | D                                 | 1                 | 1               |
| B1014: Diseases of Australian Farmed Saltwater crocodiles by Cathy Shilton<br>WAVMA WebCEPD<br>03.09.2022                         | D                                 | 1                 | 1               |
| B-1026: Common Diseases Encountered in Tropical Sea Turtles by Hayakijkosol<br>WAVMA WebCEPD<br>03.09.2022                        | D                                 | 1.5               | 1.5             |
| Fish Disease by Richmond Loh & Matt Landos<br>A chapter from <i>Fish Vetting Essentials</i> (Loh & Landos, 2011)                  | D                                 | 1                 | 1               |
| Amphibian Anatomy, Histology and Pathology by David Perpinan<br>Vet Academy<br>15.09.2022   | A                                 | 0.5               | 0.5             |
| Module 8 - Invertebrates 1 Cephalopods and Crustaceans<br>The Aquarium Vet<br>12.09.2022  | A                                 | 2.5               | 2.5             |
| <b>Credits Claimed for Module 4 [minimum 25 credits required]</b>   |                                   | 29                | 29              |

Add rows to table as necessary

| KSE Module 5: Diagnostics and Treatment of Aquatic Animal Diseases<br>List name of CEPD/Class/Article Source, Location and Date   | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|---|-----------------------------------|-------------------|-----------------|
|   |                                   | Applicant Claimed | Mentor Approved |
| Case report: Emergency post-mortem coeliotomy on wild female Eastern Long Neck Turtles ( <i>Chelodina longicollis</i> )<br>Alianna Munakata<br>30 mins presentation<br>Unusual Pets and Avian Veterinarians Conference on 30.11.2019  | F                                 | 2                 | 2               |
| Successful Use of Becaplermin Gel on A Chronic, Progressive, Ulcerative, Skin Wound In A Cross River Puffer (Tetraodon pustulatus)<br>Conference presentation by Lauren Czudak, Matthew O'connor & Caryn Poll on 26.09, 2019<br>Case report of Becaplermin gel use in a Cross River puffer that was presented with a chronic progressive ulcerative skin wound on the mandible.<br>AZVT conference 2019 | A                                 | 0.5               | 0.5             |
| Fish Disease Diagnostics for the Exotic Veterinary Nurse by Dr.Richmond Loh On 08.11.2021   | D                                 | 1                 | 1               |
| Avian, Reptile, Exotic Mammal, and Fish Endoscopy Course by Dr. Stephen Divers<br>College of Veterinary Medicine, University of Georgia<br>01.04, 2022 – 31.05, 2022  | A                                 | 6                 | 6               |
| Module Two – Disease Concepts and Diagnostics in Fish (Program 1554-41783)<br>The Aquarium Vet<br>06.09.2020  | A                                 | 7.5               | 7.5             |
| Module Five – Fish Diseases and Treatments (Program 1554-411786)<br>The Aquarium Vet<br>04.04.2021  | A                                 | 15                | 15              |
| A10 Anaesthesia and Analgesia by Donald L Neiffer<br>A chapter from Clinical Guide to Fish Medicine (Hadfield & Clayton, 2021)<br>06.2022   | D                                 | 1                 | 1               |
| Module Seven - Elasmobranchs<br>The Aquarium Vet<br>17.06.2022  | A                                 | 2.5               | 2.5             |
| Bauquier SH, Greenwood J, Whittem T. Evaluation of the sedative and anaesthetic effects of five different concentrations of alfaxalone in goldfish <i>Carassius auratus</i> . <i>Aquaculture</i> 2013; 396-399:119-123<br>06.2022   | D                                 | 1                 | 1               |
| Brandao FR, Farias CFS, De Melo Souza DC et al. Anesthetic potential of the essential oils of <i>Alloysia triphylla</i> , <i>Lippia sidoides</i> , and <i>Mentha piperita</i> for <i>Colossoma macropomum</i> . <i>Aquaculture</i> 2021; 534: 1-8.<br>06.2022   | D                                 | 1                 | 1               |
| Harms CA, Wildgoose WH. Surgery. In: Wildgoose WH, editor. <i>BSAVA Manual of ornamental fish</i> . 2nd edn. British Small Animal Veterinary Association, Gloucester, 2001: 259 - 266.<br>06.2022   | D                                 | 1                 | 1               |
| Mones A, Shreeg M, Sommer S, Linder K, Lewbart G. Surgical management and histopathology of wen overgrowth and neoplasia in four oranda goldfish ( <i>Carassius auratus</i> ). <i>Vet Rec Case Rep</i> 2021;9:1-8.<br>06.2022   | D                                 | 1                 | 1               |

| KSE Module 5: Diagnostics and Treatment of Aquatic Animal Diseases<br>List name of CEPD/Class/Article Source, Location and Date  | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|--|-----------------------------------|-------------------|-----------------|
|  |                                   | Applicant Claimed | Mentor Approved |
| Pathogen types and necropsy techniques by Rob Jones<br>The Aquarium Vet webinar<br>29.06.2022  | D                                 | 1                 | 1               |
| Non-infectious emergencies in veterinary fish medicine by Richmond Loh<br>UPAV conference 2022<br>26.07.2022   | A                                 | 0.25              | 0.25            |
| B-1058: Gill disease in Atlantic salmon - a complex situation by Patricia Noguera<br>WAVMA WebCEPD<br>31.07.2022   | D                                 | 0.5               | 0.5             |
| Case log (Letter of clinical experience):<br>Post-mortem examination of Black Diamond Freshwater stingrays ( <i>Potamotryon leopoldi</i> ) x 2<br>The Unusual Pet Vets<br>Signed by Dr Wellfish<br>Signed date: 23.08.2022 | E                                 | 5                 | 5               |
| Module 9 - Sea jellies and echinoderms<br>The Aquarium Vet<br>10.08.2022   | A                                 | 2.5               | 2.5             |
| Module 10 - Coral Husbandry<br>The Aquarium Vet<br>30.08.2022  | A                                 | 2.5               | 2.5             |
| VC2016 Buoyancy disorders of goldfish by William Wildgoose<br>WAVMA WebCEPD<br>01.09.2022  | D                                 | 0.25              | 0.25            |
| Medical Management of Sea Turtles by David Perpinan<br>Vet Academy<br>15.09.2022   | A                                 | 1                 | 1               |
| Cetacean Necropsy by David Perpinan<br>Vet Academy<br>15.09.2022   | A                                 | 0.5               | 0.5             |
| Amphibian Anatomy, Histology and Pathology by David Perpinan<br>Vet Academy<br>15.09.2022  | A                                 | 0.25              | 0.25            |
| Module 8 - Invertebrates 1 Cephalopods and Crustaceans<br>The Aquarium Vet<br>12.09.2022   | A                                 | 2.5               | 2.5             |
| <b>Credits Claimed for Module 5 [minimum 25 credits required]</b>  |                                   | <b>55.75</b>      | <b>55.75</b>    |

Add rows to table as necessary

| KSE Module 6: Clinical Nursing Experience and Client Communications<br>List name of CEPD/Class/Article Source, Location and Date  | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|---|-----------------------------------|-------------------|-----------------|
|   |                                   | Applicant Claimed | Mentor Approved |
| Emergency post-mortem coeliotomy on wild female Eastern Long Neck Turtles<br>Alianna Munakata<br>30 mins presentation<br>Unusual Pets and Avian Veterinarians Conference on 30.11.2019  | A                                 | 0.5               | 0.5             |
| Case Log (letter of clinical experience):<br>A six-month old albino axolotl with sudden gill discoloration + inappetence<br>The Unusual Pet Vets Peninsula<br>Signed by Dr. Wellfish<br>Signed date: 14.06.2022                                 | E                                 | 5                 | 5               |
| Case Log (letter of clinical experience):<br>A comet goldfish with over-two-week history of lateral recumbency<br>The Unusual Pet Vets Peninsula<br>Signed by Dr. Whale<br>Signed date: 10.06.2022  | E                                 | 5                 | 5               |
| Case log (letter of clinical experience):<br>A twenty-year old female eastern long neck turtle with lethargy, anorexia and floating at the water surface<br>The Unusual Pet Vets Peninsula<br>Signed by Dr. Wellfish<br>Signed date: 10.06.2022 | E                                 | 5                 | 5               |
| Clinical nursing of common cold water and tropical fish by Sarah Harrison on 17.11.2021<br>Exotic Veterinary Nurse Training<br>Webinar  | D                                 | 1                 | 1               |
| Wen overgrowth in Rancho goldfish case report<br>02.07.2022   | E                                 | 5                 | 5               |
| Clinical experience in chelonian nursing care<br>Signed by Dr. Whale<br>Signed date: 17.07.2022   | E                                 | 5                 | 5               |
| <b>Credits Claimed for Module 6 [minimum 25 credits required]</b>   |                                   | 26.5              | 26.5            |

Add rows to table as necessary

| KSE Module 7: Legislation, Regulations, Public Health, Zoonotics<br>List name of CEPD/Class/Article Source, Location and Date  | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|--|-----------------------------------|-------------------|-----------------|
|  |                                   | Applicant Claimed | Mentor Approved |
| An Introduction to Aquatic Veterinary Medicine<br>WAVMA WebCEPD Program<br>10.09.2020  | D                                 | 0.5               | 0.5             |
| Webinar 100: Zoonosis and internal worms by Rob. Jones<br>The aquarium vet<br>13.10.2021   | D                                 | 0.5               | 0.5             |
| A14 Acquisition and Transport by Jamie M Torres, Andrew B Pulver and Leigh A Clayton<br>A chapter from Clinical Guide to Fish Medicine (Hadfield & Clayton, 2021)<br>06.2022 | D                                 | 1                 | 1               |



| KSE Module 7: Legislation, Regulations, Public Health, Zoonotics<br>List name of CEPD/Class/Article Source, Location and Date             | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|---|-----------------------------------|-------------------|-----------------|
|   |                                   | Applicant Claimed | Mentor Approved |
| Module Seven - Elasmobranchs<br>The aquarium vet course<br>17.06.2022   | A                                 | 2.5               | 2.5             |
| Event: B-1040: Risk of SARS-CoV-2 transmission from aquatic animals to human: what is known so far<br>WAVMA WebCEPD Program<br>16.07.2022 | D                                 | 1                 | 1               |
| Module 9 - Sea jellies and echinoderms<br>The Aquarium Vet<br>10.08.2022  | A                                 | 2.5               | 2.5             |
| Module 10 - Coral Husbandry<br>The Aquarium Vet<br>30.08.2022   | A                                 | 2.5               | 2.5             |
| Module 8 - Invertebrates 1 Cephalopods and Crustaceans<br>The Aquarium Vet<br>12.09.2022  | A                                 | 2.5               | 2.5             |
| Basic Fish Health Medicine Program<br>American Association of Fish Veterinarians<br>02.10.2022  | A                                 | 2.5               | 2.5             |
| <b>Credits Claimed for Module 7 [minimum 5 credits required]</b>  |                                   | 15.5              | 15.5            |

Add rows to table as necessary

| KSE Module 8: Aquatic Animal Welfare<br>List name of CEPD/Class/Article Source, Location and Date  | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|--|-----------------------------------|-------------------|-----------------|
|  |                                   | Applicant Claimed | Mentor Approved |
| A literature Review of The Physiological Effects of Electrofishing on Fish and Amphibians<br>Conference presentation by Alicia Blose at AZVT (Association of Zoo Veterinary Technicians) annual conference 2019<br>Topic focuses on the role and possible risks associated with one of the commonly used capturing method employed by biologists and others. | A                                 | 0.5               | 0.5             |
| Webinar 97: Pain and emotion in fishes: Implications for welfare by Culum Brown (Macquire University)<br>The Aquarium Vet<br>14.04.2021  | D                                 | 1                 | 1               |
| WebCEPD: B-1056: Aquatic Invertebrate Welfare: Opportunities for Improvement by Sarah Wahltinez<br>WAVMA<br>Date: 15.06.2022   | D                                 | 1                 | 1               |
| Module Seven - Elasmobranchs<br>The Aquarium Vet<br>17.06.2022   | A                                 | 2.5               | 2.5             |
| Webinar 85: Aquatic Animal Welfare by Lara Metrione<br>The Aquarium Vet<br>16.07.2022  | D                                 | 1                 | 1               |

| KSE Module 8: Aquatic Animal Welfare<br>List name of CEPD/Class/Article Source, Location and Date   | KSE Source Category (A,B,C,D,E,F) | Credits (hrs)     |                 |
|---|-----------------------------------|-------------------|-----------------|
|   |                                   | Applicant Claimed | Mentor Approved |
| Webinar 84: Stress and its effect on fish by Rob Jones<br>The aquarium vet<br>16.07.2022  | D                                 | 1                 | 1               |
| Journal article:<br>Huntingford FA, Adams CE, Braithwaite VA, Kadri S. Current issues in fish welfare. <i>J. Fish Biol</i> 2006; 68: 332-372.<br>Accessed URL: <a href="https://www.researchgate.net/publication/4070182_Current_issues_in_fish_welfare">resesarchgate.net/publication/4070182_Current_issues_in_fish_welfare</a><br>19.07.2022 | D                                 | 1                 | 1               |
| Module 9 - Sea jellies and echinoderms<br>The Aquarium Vet<br>10.08.2022  | A                                 | 2.5               | 2.5             |
| Module 10 - Coral Husbandry<br>The Aquarium Vet<br>30.08.2022   | A                                 | 2.5               | 2.5             |
| Aquatic Animal Welfare in Perspective An initiative of the Aquatic Animal Welfare Working Group of the Australian Animal Welfare Strategy: Final report<br>Australian Government Department of Agriculture  | D                                 | 1                 | 1               |
| Module 8 - Invertebrates 1 Cephalopods and Crustaceans<br>The Aquarium Vet<br>12.09.2022  | A                                 | 2.5               | 2.5             |
| <b>Credits Claimed for Module 8 [minimum 10 credits required]</b>   |                                   | 16.5              | 16.5            |
| <b>Total KSE Credits Claimed for Certification [minimum 150]:</b>   |                                   | 244.5             | 244.5           |