# **VETERINARY REPORT**

# CANADIAN COMMERCIAL SEAL HUNT

# PRINCE EDWARD ISLAND

# **MARCH 2001**

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#### **EXECUTIVE SUMMARY:**

Following the comprehensive and methodical study of the 2001 Canadian commercial seal hunt, by 5 independent veterinarians, we conclude that the hunt is resulting in considerable and unacceptable suffering.

Cranial evaluation of 76 seal carcasses produced data that clearly demonstrates the occurrence of such suffering. In 17% of the cases observed there were no detectable lesions of the skull, leading us to conclude that any alteration in consciousness is very unlikely to have occurred as a result of clubbing.

The Canadian Government has indicated that the commercial seal hunt will continue indefinitely. In light of this fact, we strongly feel that the adoption of a more reliable and consistent procedure for the killing of seals can significantly reduce the present level of suffering. We recommend that a process of rapid stunning (resulting in a rapid loss of consciousness), followed immediately by a bilateral corneal reflex check to assess loss of consciousness, followed immediately by bleeding out to ensure death occurs, are followed in order to reduce these levels of suffering. The bilateral loss of corneal reflexes ('blinking eye' reflexes) is generally accepted as the most accurate means of confirming a loss of consciousness.

Shooting and clubbing should be viewed as stunning methods only, producing a potentially temporary loss of consciousness. Death should be completed by exsanguination (bleeding out). All seals should be treated and killed in the same manner under the same regulations, regardless of whether the seal was initially shot or clubbed.

It is very difficult to determine loss of consciousness in any seal by observation. Swimming movements can be voluntary or involuntary. It is difficult to differentiate between involuntary reflex movement and conscious voluntary movement without assessing higher centre activity. It must therefore be assumed that all movement seen could be due to conscious voluntary muscle activity until the corneal reflex has been checked.

Any method for killing a seal which does not allow for the above process of stunning, checking and bleeding to be performed, has an enormous potential to create suffering and is therefore unacceptable. As this process cannot be consistently followed in open water, we consider that shooting seals in open water can never be humane. Any method of taking a seal which requires the seal to be recovered by gaffing or hooking before the process can be followed, can never be humane.

We believe that multiple blows or shots to an individual seal, is not acceptable from an animal welfare point of view. Training and enforcement should aim to produce a standard of competence, whereby unconsciousness can be achieved with the first blow or shot.

Based on our observations, it is obvious that there is a tremendous lack of consistency in the treatment of each seal and the existing regulations are neither respected nor enforced. There is undoubtedly an obvious need to reduce suffering and improve the welfare of these animals by alterations in the existing regulations and increasing their enforcement. The DFO

proposals address some of our concerns. However, we are making additional recommendations that will further reduce this unnecessary suffering.

If the Canadian commercial seal hunt is to be considered as an "industry"<sup>1</sup>, it is imperative that every effort is made to comply with Canadian animal production regulations. However, it is quite clear from our personal observations that the present seal hunt fails to comply with these basic animal welfare regulations.

#### **INTRODUCTION:**

The six veterinarians involved with this report are of different backgrounds, interests and specialities. These individuals were brought together by the International Fund for Animal Welfare (IFAW) to act as licensed observers of the Canadian Seal Hunt 2001. Their objective was to act as professional, independent observers, to observe the hunt, both directly and via video recordings, and, using their combined experience and knowledge, to make comment on the current conduct of the hunt. Also, in light of the impending changes to the Marine Mammal Regulations in regards to the seal hunt, to review and make suggestions for these regulations.

The veterinary panel collected information by: examining young seals in their natural environment; meeting with the regional Canadian Department of Fisheries and Oceans personnel; reviewing video footage collected by IFAW from previous hunts; monitoring the recording of video footage from the current hunt by having a member of the panel in the aircraft during recording on two days; attending the hunt by aircraft and making visual observations as well as landing on the ice to examine (and in some cases dissect out the skull from) sculped carcasses after the hunt had moved through. As background information, the biology of the Harp Seal was presented and reviewed by Dr. David Lavigne, a marine mammal expert (non-veterinarian). Documents examined and discussed included: current Marine Mammal Regulations and the Department of Fisheries and Oceans suggested changes to these regulations; IFAW discussion paper on the proposed regulation changes; correspondence between the Canadian Veterinary Medical Association Animal Welfare Committee and DFO; correspondence between the CVMA Animal Welfare Committee and IFAW; the Canadian Slaughter of Animals Regulations; the Criminal Code of Canada sections involving Cruelty to Animals; and, the 2000 Report of the AVMA Panel on Euthanasia.

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<sup>&</sup>lt;sup>1</sup> Personal communication with Roger Simon, Department of Fisheries and Oceans

#### PARTICIPANTS ON THE VETERINARY PANEL:

#### Rapporteur:

#### Joanne Fielder, B.Sc., BVM+S, MRCVS

Worked in mixed practice in the U.K. and with primates in Indonesia. Currently is the Emergency Relief Veterinarian for the IFAW based in Brussels.

#### Independent veterinarians:

#### Rosemary L. Burdon, BVSc., MRCVS, Cert.Vet.Acup.

Associate veterinarian for the Massachusetts SPCA Nantucket Animal Hospital and Wildlife Facility.

#### John Gripper, B.Sc., MRCVS

Many years in mixed veterinary practice in the Cotswolds in the U.K. During the last few years, has acted as consultant veterinarian for wildlife to different organizations internationally.

#### J. Alan Longair, B.Sc., DVM

Companion animal practitioner on Vancouver Island, British Columbia. Past president of the BCSPCA, past chair of the Canadian Veterinary Medical Association Animal Welfare Committee.

#### Ian Robinson, BVSc, Cert SHP, Cert ZooMed, MRCVS

After 15 years in agricultural practice, joined the RSPCA as the Veterinary Manager of the Norfolk Wildlife Hospital in Norfolk, U.K. Has attended many marine wildlife emergencies worldwide.

#### Debbie Ruehlmann, DVM, MS, DipACVIM (Neurology)

Specialist in neurology, Angell Memorial Animal Hospital, Boston, Mass.

#### **SCIENTIFIC DISCUSSION:**

Effective stunning (i.e. loss of consciousness) will be achieved by focal damage to the brain stem or diffuse and severe damage to the cerebral cortices.

The most efficient way to render an animal unconscious by a blow to the head, is a blow to the brain stem. The brain stem in mammals is the most highly protected part of the central nervous system. It is located ventrally within the calveria, beneath the cerebellum and overlying skull. Furthermore, in seals, flexion of the neck places a thick layer of blubber over the base of the skull. Therefore, the only target area available in a seal is the skull overlying the cerebral cortex. Delivering a blow to this area and the underlying cortex is a much less efficient way of rendering an animal unconscious.

Diffuse and severe damage only to the cerebral cortices can result in significant disruption of the ascending reticular activating system, resulting in unconsciousness, which may be temporary i.e. conscious sensation may return.

A large blow to the cerebral cortex is unlikely to result in immediate brain stem herniation. Cerebral oedema can elicit herniation but only after a considerable time period (potentially hours). Massive cerebral haemorrhage associated with a blunt external trauma would be unlikely to occur and result in immediate death.

Therefore, skull palpation is not the most reliable as a means of interpreting death or level of consciousness. The location and severity of crush injuries involving the CNS will affect the possible outcome; it is therefore open to misinterpretation.

The bilateral loss of corneal reflexes ('blinking eye' reflexes) is the most accurate means of confirming a loss of consciousness.

It is very difficult to determine loss of consciousness in any seal in the water by observation, when it cannot be directly approached and the corneal reflex assessed. A loss of movement cannot be viewed as an effective means of indicating either death or loss of consciousness.

In the absence of discernible purposeful conscious movement, other movements cannot be differentiated from involuntary movements. Swimming movements can be voluntary or involuntary. It is difficult to differentiate between involuntary reflex movement and conscious voluntary movement without assessing higher centre activity. It must therefore be assumed that all movement seen could be due to conscious voluntary muscle activity until the corneal reflex has been checked.

Once a corneal reflex has been performed and the unconscious state has been confirmed, the sealer must immediately and as the very next action taken, move to exsanguinate (or bleed out) the seal, in order to avoid the animal regaining consciousness. Shooting and clubbing should be viewed as stunning methods, producing a potentially temporary loss of consciousness only. Death should be completed by exsanguination (bleeding out).

Exsanguination should be performed by completely severing both brachial plexuses or by directly entering the heart and major vessels via the thoracic inlet. This should never be performed on a conscious animal. Adequate time must be given to allow for bleeding out, and thus death, prior to hooking or hauling, or continuation of skinning. This action is compatible with the cuts required to dress the carcass.

The process of rendering the seal unconscious, assessing the corneal reflex, taking further action where necessary to ensure loss of consciousness and effective exsanguination, must all be performed before the hunter is able to move on to the next seal.

Any method for killing a seal which does not allow for the above process of stunning, checking and bleeding to be performed, has an enormous potential to create suffering and is therefore unacceptable.

As this process cannot be followed in open water, we consider that shooting seals in open water can never be humane.

Any method of taking a seal which requires the seal to be recovered by gaffing or hooking before the process can be followed, can never be humane.

## **OBSERVATION AND EVALUATION:**

Veterinary observations were made in the following three ways:

#### 1. Helicopter via Wes Cam.

The 'Wes Cam' camera observations, on 27<sup>th</sup> and 28<sup>th</sup> March 2001, were made by a veterinarian who was present in the helicopter fitted with this camera. Hunting was viewed via the lens of a high-resolution camera in real time. All of these observations are backed up with the original video material taken over these two days. Appendix 2, Tables 2 and 3.

#### 2. Helicopter via binoculars.

Veterinarians viewed the hunt within the permitted area, over a two-day period (27<sup>th</sup> and 28<sup>th</sup> March 2001).

Appendix 2. Table 1.

#### 3. Skull examination of seal carcasses in situ within the hunting area.

Appendix 1, Tables 4 - 14.

#### Skull Examinations:

Skull evaluation of 76 seals was performed including visual examination and palpation. Carcasses were chosen at random from areas representative of the entire hunt March 27<sup>th</sup> and 28<sup>th</sup>, 2001.

Fractures of the skull varied in severity and location and involved the cranium, maxilla, orbits, and mandible. There were no apparent penetrating gunshot wounds in these cases.

#### a. Fractures of the cranium:

Fractures of the cranium were categorized into 3 main groups:

I. None: No fractures of the cranium

#### Minimal to moderate: II.

Minimal: Hairline and non-displaced fractures overlying one cortical hemisphere.

Moderate: Compression fractures involving bone overlying one cortical hemisphere.

#### Ш. Severe to extensive:

Compression fractures overlying both cortical hemispheres Severe:

Extensive: Compression fractures overlying both cortical hemispheres

with visually apparent compressed or obliterated brain

tissue.

Although skull fractures do not absolutely correlate with structural lesions involving the brain, for blunt external head trauma correlation does exist for some statements to be made with reasonable confidence.

Unconsciousness is being defined to be at a level where the seal would not be aware or feel being hooked through the maxilla with a spearing instrument, being skinned, or rendered a laceration for bleeding.

- I. Craniums with no apparent fractures would be highly un-probable to be associated with a level of unconsciousness. Furthermore, it would be of significant question if any alteration in consciousness occurred in these cases. These cases equate to 17 % of cases examined.
- II. Minimal fractures including hairline or non-displaced fractures could be associated with a decreased level of consciousness but highly unprobable unconsciousness.

Moderate fractures would be more likely to be associated with a more significant decrease in consciousness than minimal, but would still not have a high level of probability to be associated with unconsciousness.

These cases equate to 25 % of cases examined.

III. Extensive fractures would undoubtedly be associated with a level of unconsciousness and severe fractures would be highly probable to be associated with a level of unconsciousness.

These cases equate to 58 % of cases examined.

Non formalin fixed brains assessed with having moderate skull fractures were grossly examined in 3 cases, on the site of the hunt and within 6 hours of being hunted, by removing the cranium with pliers:

- 1. One skull had a 3 cm diameter circular compression fracture immediately caudal to the right orbit. Examination of the brain revealed a 2-21/2 cm diameter area of contusion underlying the fracture. Two small thin (2-3 mm) symmetric pockets ½ cm in diameter of hemorrhage were present overlying the occipital cortices on each side. There were no lesions of underlying cortical tissue. Diffuse congestion consistent with post mortem changes was present.
- 2. Skull compression fracture extending from the right caudal aspect of the orbit 5 cm caudolateral over the right hemisphere. Contusion was present directly underlying. Diffuse congestion consistent with post mortem changes was apparent.
- 3. ½ cm long slight elevation in suture line over the frontal cortical region. There were no underlying brain lesions. 1 -1/2 cm long nondisplaced fracture ½ cm caudal to the right orbit. 1/4 cm with and length area of contusion underlying. Diffuse congestion consistent with post mortem changes was present.

Lesions in these cases were not consistent with resulting in a level of unconsciousness.

In light of the notes of the meeting with DFO official Roger Simon, it should be noted that massive hemorrhage or hemorrhage to any significant degree was not apparent in these 3 cases.

#### b. Extracranial fractures

Of the 76 seal skulls observed, 61% had extracranial fractures involving one or more of the following bones: Maxillary, Mandibular, Orbit (left and or right), and Zygomatic arch. (Appendix 1, Table 12).

Fractures observed: 28 % of cases had mandibular fractures 41% had maxillary 28% had orbital 13% zygomatic arch.

Of the 76 skulls observed, 45 % had fractures involving two or more bones.

Fractures of each bone ranges from 1-4. Several cases had complete crushing of the maxillary, mandibular and/or orbital bones.

Several of the seals with orbital fractures had crushed globes, evidence of damage to the eye (hyphema), or evulsion of the globe.

#### **Comments:**

The current methods and competency of clubbing is significantly inaccurate in location, resulting in severe and unacceptable suffering. In order to highlight this point it should be noted that 28% of seal skull observed had blows to the head region resulting in mandibular fractures where the bottom of the head had clearly been struck instead of the top.

It is not possible for us to know if extracranial skull fractures occurred prior to those of the cranium (for those of which had cranium fractures). This raises great concern for the welfare of seals in which there is potential that the cranial lesions sufficient to render them unconscious were inflicted after extracranial trauma.

It is of utmost concern regarding the severe suffering occurring in seals who have no lesions of the cranium, as well as those having fractures felt not sufficient to render the seal unconscious.

#### Video footage from 1998, 1999 and 2000.

Review of video recording of the 1998, 1999 and 2000 Canadian seal hunts included 179 seals observed hunted. Of these, 96 seals were shot, 56 seals were shot and then clubbed or gaffed, 19 seals were clubbed or gaffed, and 8 seals were killed by unknown means.

Observations from these recordings include:

- 1) Assessing level of consciousness was not being performed by the majority of seal hunters; 79% did not check a corneal reflex, indicating that many of these seals could potentially have been skinned or hooked alive.
- 2) In 40% of cases (32% of the clubbed seals and 92% of the shot seals) the hunter returned to strike the seal for a second time (average time to second strike 27 seconds). We assume that the reason for this action is that the hunter believed that the seal was still conscious. This is clearly unacceptable.
- 3) Only 6% of seals were bled immediately, where struck.
- 4) The average time from initial strike to bleeding was 66 seconds.
- 5) 18 seals were observed to be skinned, on average this occurred 60 seconds after the initial strike. It is uncertain which of these seals were bled or had a level of consciousness checked to ensure that they were not skinned while conscious.

#### **RECOMMENDATIONS:**

The Canadian Government has indicated that the commercial seal hunt will continue indefinitely. In view of this fact, we believe that the following recommendations will work towards reducing the severe levels of suffering that we have observed, both directly and indirectly via permitted observation and pathological examination respectively; occurring during the 2001 seal hunt.

In order to ensure that these recommendations can be reviewed with ease, we have formatted them according to the existing regulatory proposals, as defined by the Canadian Department of Fisheries and Oceans.

As veterinarians we have commented only on those proposals that have a bearing on animal welfare according to our professional areas of expertise.

Whilst it is obvious that there is much agreement with the CVMA's own response to these proposals, we would respectfully ask that you review and consider our additional recommendations.

We strongly advise that our recommendations are included with the CVMA proposals to the DFO regarding future regulatory controls of Canada commercial seal hunt.

#### **DFO PROPOSALS:**

1) Establish a prohibition on the harvest of the whitecoat stage of harp, grey and ringed seals in place of the prohibition on the sale of whitecoat harp seals.

No comment

# 2) Revoke the prohibition on the sale of bluebacks and protect younger hooded seals by closing this harvest until the harvest until the animals have been weaned.

No comment

#### 3) Establish commercial and personnel use sealing licences in the regulations

We would agree that licensing and therefore training should be mandatory for all sealers.

# 4) Make a training program a prerequisite for all sealing licences and encourage the professionalization of commercial sealers.

We agree with this proposal and would recommend that such a training program should provide a comprehensive understanding of the entire seal hunt process, giving the licensee a functional understanding of the recommendations that we have laid down and therefore a knowledge of how to comply with the regulations.

The training program should include a test of competence, which must be completed successfully prior to issue of a licence. The licensing process should include reassessment on a regular basis. The current two year "probationary" period could be incorporated into such a training program.

We recommend that the training program should incorporate a regular marksmanship test for firearms licence holders, which would include a proficiency test and would therefore be in addition to existing firearms training / licensing.

# 5) Modify the seal fishery observation licence depending on the results of an ongoing court challenge

No comment

# 6) Replace an unclear prohibition on the discard of marine mammals with a requirement that sealers land either the pelt, carcass or both the pelt and carcass.

We are concerned that harvesting of parts may be open to flouting of the regulations; all seals should be killed as stipulated in our recommendations and body parts (excluding moulting hair) should only be removed from dead seals. We support this proposal if the inclusion of

this proposal in the regulations will help to ensure that the regulations are complied with and enforced.

# 7) Allow fishermen in the lumpfish fishery to land incidental catches of seals and record them against the TAC.

We are concerned about the level of suffering of seals in 'by-catch' and would recommend that the DFO investigate further ways in which this suffering can be reduced.

#### 8) Apply gear restrictions to all commercial sealing on the Atlantic coast.

We support this proposal as we strongly advocate that all seals be treated in the same manner under the same regulations throughout the entire Canadian waters.

#### 9) Provide for the non-lethal harvest of hair.

We would recommend that research must be performed to further investigate this proposal. Prior to adopting this proposal we would recommend that regulations and guidelines be developed regarding the ways in which this product is harvested.

The non-lethal harvesting of seal hair must be an alternative to a hunt. In order to achieve this it may be necessary to protect seals for the purpose of non-lethal harvest within specified areas, or make other appropriate provisions.

# 10) Submit requests for changes to gear requirements for review by veterinary and gear experts

We would fully support this proposal.

#### 11) Assist in or commission a review of current harvesting practices by veterinary experts.

We would agree that there is a need to comprehensively review the current harvesting practices and would like to submit this veterinary report to aid this review process.

Based on our observations, particular concerns, not raised elsewhere, include the clubbing of mobile seals, the multiple clubbing of seals and the practice of clubbing or shooting several seals in quick succession as opposed to correctly processing each seal in turn.

This recommendation is supported by our direct observations from the helicopter, which revealed several seals being clubbed in excess of eight times, with 22% being clubbed more than three times (table 1). 17% of skulls examined had no lesions of the cranium (table 12); 61% had extra-cranial skull fractures (table 11); 13% had multiple mandibular fractures without any lesions of the calverium.

# 12) Establish a clearer requirement for the blinking eye reflex test to be done before bleeding and skinning.

We recommend that the bilateral corneal (blinking eye) reflex should be the mandatory test for unconsciousness. We further recommend that all seals be immediately bled to ensure death occurs.

Further explanation of this is given in our scientific discussions.

# 13) Establish a licence regime, including prerequisites and conditions, to allow the killing of seals where:

- They are a danger to property and reasonable deterrence efforts have failed
- Their presence in a fishing or river area is inflicting great damage on migrating fish stocks.

All seals must be treated and killed according to the same recommended regulations in order to reduce the level of suffering that may be encountered.

#### Other recommendations:

- 1) Based on our observations there is a tremendous lack of consistency in the treatment of each seal and the existing regulations are neither respected nor enforced. There is therefore an obvious need to improve this situation.
- 2) Seals must be recognised as Marine Mammals (not fish) and treated accordingly. At present the seal hunt is regarded as a 'fishery'. Seals belong to the Order Carnivora, together with cats and dogs, and share similar levels of intelligence and neurological development as these other species. From a veterinary medical view, seals have many similarities to dogs. This should be borne in mind as we feel that there is an entrenched attitude in the sealing industry, which compares seals with fish.
- 3) The hunting of pregnant females is generally considered to be an unethical hunting practice. We strongly advise that the hunting season is condensed to prevent the hunting of adult females within the third trimester of pregnancy.
- 4) Shots should only be fired by a certified marksman using legally required ammunition and weapons, to seals on the ice, from a distance and under conditions, which will enable an accurate head shot to be taken, whereby the projectile will enter the brain causing sufficient damage to render the animal either unconscious or dead. If there is any doubt regarding the effectiveness of the first shot to cause sufficient damage to the brain, then subsequent shots must be fired in order to achieve this goal.

The sealer should then proceed to directly approach the shot seal, as the very next action, in order to assess the corneal reflex and then immediately perform exsanguination. We recommend that there should exist a time limit from the time the seal is hit and performing exsanguination once a corneal reflex has been performed, in order to prevent unnecessary suffering.

We feel that this may be an appropriate time for ballistics experts to review the necessary requirements regarding choice of weapon and ammunition. Calibre and velocity are important in determining the degree / extent of CNS damage.

5) Multiple clubbing or shooting is not acceptable from an animal welfare point of view; training and enforcement should aim to produce a standard of competence, whereby unconsciousness can be achieved with the first blow or shot.

#### **SUMMARY:**

In our opinion, the 2001 Canadian seal hunt is resulting in considerable and unacceptable suffering.

The adoption of a more reliable procedure for the killing of seals can significantly reduce the present level of suffering.

We recommend the procedure of rapid stunning, checking corneal reflexes and bleeding is the procedure of choice.

We recommend that this procedure is included in the regulations and is effectively enforced.

# APPENDIX 1. RESULTS OF OBSERVATIONS

Table 1: Veterinary observations from helicopter March 27<sup>th</sup> 2001

|  | Boat 1 (1734)   | Boat 2 (15053)  | Boat 3 (blue)  | Boat 4 (175716) Bel Espoir  | Boat 5<br>(Jean Mattieu)  |
|--|---|---|--|---|---|
| No. seals observed hunted  | 11 seals  | 2 seals   | 6 seals  | 14 seals  | 7 seals   |
| Corneal palpation performed?   | 6 seals   | none  | 1 seal   | 4   | 2   |
| No. of blows  ( ) indicates time from first to last blow  If no time indicated it means 30secs | Seal 1: 1 blow Seal 2: 1 blow Seal 3: 4 blows Seal 4: 8 blows (55 sec) Seal 5: 3 blows Seal 6: 2 blows Seal 7: 2 blows Seal 8: 2 blows Seal 9: 2 blows Seal 10: 2 blows Seal 11: 1 blow and abandoned | Seal 1:8 blows (50secs) Seal 2:5 blows (75 sec) seal also kicked repeatedly and stood on) | Seal 1: 1 blow Seal 2: 3 blows Seal 3: 2 blows Seal 4: 3 blows (struck with a gaff) Seal 5: 3 blows (70 sec) Seal 6: 2 blows | Seal 1: 4 blows Seal 2: 3 blows (45 sec) Seal 3:1 blow then hooked then 1 blow Seal 4: 1 blows then hooked then 2 blows then 2 mins and 10 secs after initial blow received 1 more bow Seal 5: 3 blows Seal 6 2 blows Seal 6 2 blows Seal 7 1 blow Seal 8: 2 blows then hooked then 2 more blows (40secs) Seal 9: 1 blow then hooked then 3 more (80 secs) Seal 10: 1 blow, kicked then 2 more blows Seal 11: 3 blows Seal 12: 4 blows Seal 13: 1 blow Seal 14: 2 blows | Seal 1: 9 blows Seal 2: 1 blow Seal 3: 1 blow Seal 4: 4 blows Seal 5: 3 blows Seal 6: 4 blows Seal 7: struck and lost |
| No. Bled before hooked   | none  | 1 seal bled < hooked  | none   | none  | 1 seal bled < hooked 4 hooked before bled 1 unable to see   |

**Table 2: Veterinary Observations from the Wes Cam for clubbed seals** 

| Clubbed seals                            | Number of seals<br>March 27 <sup>th</sup> 2001 | Number of seals<br>March 28 <sup>th</sup> 2001 |
|--|--|--|
| C1 11 1 11 11 11 11 11 11 11 11 11 11 11 |  |  |
| Clubbed, blinking eye                    | 2  | 2  |
| reflex check, and bled                   |  |  |
| Clubbed, blinking eye                    | 10   | 2  |
| reflex check                             |  |  |
| Clubbed and bled (no                     | 11   | 4  |
| reflex check)                            |  |  |
| Clubbed and dragged or                   | 21   | 2  |
| left                                     |  |  |
| Clubbed as a group,                      | 17   | 9  |
| then left and later                      |  |  |
| returned to.                             |  |  |
| Clubbed and lost                         | 1  | 0  |
|  |  |  |
| Totals                                   | 51   | 19   |

Table 3: Veterinary observations from the Wes Cam of shot seals.

| Shot seals   | Number of seals<br>March 27 <sup>th</sup> 2001 | Number of seals<br>March 28 <sup>th</sup> 2001 |
|--|--|--|
| Shot, blinking eye reflex check, and bled                | 1  | 1  |
| Shot and hooked  | 5  | 10   |
| (Of these, clubbed after gaffing on boat)                | (Not recorded)                                 | (1)  |
| Shot and bled  | 3  | 3  |
| Shot, then clubbed and blinking eye reflex check         | 9  | Not recorded                                   |
| Shot and not immediately recovered despite signs of life | 1  | 0  |
| Shot then clubbed  | 11   | 10   |
| Shot and lost  | 0  | 3  |
| Totals   | 30   | 27   |

(In addition on March 27<sup>th</sup>, 2 seals were observed being run over by boat.)

# <u>APPENDIX 2.</u> RESULTS OF GROSS PATHOLOGICAL EXAMINATIONS

## **Observations from March 27, 2001**

**Table 4: Extra-cranial skull fractures** 

| No. of     | Orbital   | Mandibula   | Zygomatic | Maxillary | Two or     | Extracrani | Extracrani |
|------------|-----------|-------------|-----------|-----------|------------|------------|------------|
| seals with | fractures | r fractures | fracture  | fractures | more areas | al         | al         |
| extra-     |           |             |           |           | fractured  | fractures  | fractures  |
| cranial    |           |             |           |           |            | with no    | with mild- |
| skull      |           |             |           |           |            | cranium    | mod        |
| fractures  |           |             |           |           |            |            | cranium    |
| 17         | 5         | 4           | 1         | 8         | 8          | 5          | 9          |
|            |           |             |           |           |            |            |            |

# Total number of seal skulls examined was 33

**Table 5: Cranium fractures observed** 

| No detectable fractures | Minimal to moderate | Severe to extensive |
|-------------------------|---------------------|---------------------|
| 6                       | 11                  | 16                  |

# <u>Total number of skulls observed 33</u>

## **Observations from March 28, 2001**

**Table 6: Extra-cranial skull fractures** 

(team a)

| (tourn u)  |           |            |           |           |           |             |          |
|------------|-----------|------------|-----------|-----------|-----------|-------------|----------|
| No. of     | Orbital   | Mandibular | Zygomatic | Maxillary | Two or    | ECF with no | ECF with |
| seals with | fractures | fractures  | fracture  | fractures | more      | cranium     | mild –   |
| extra-     |           |            |           |           | areas     |             | moderate |
| cranial    |           |            |           |           | fractured |             | cranium  |
| skull      |           |            |           |           |           |             |          |
| fractures  |           |            |           |           |           |             |          |
|            | 11        | 12         | 5         | 16        | 18        | 0           | 4        |
| 19         |           |            |           |           |           |             |          |

## Total number of seals examined was 19

#### **Table 7: Cranium fractures**

(team a)

| No detectable fractures | Minimal to moderate | Severe to extensive |
|-------------------------|---------------------|---------------------|
| 0                       | 3                   | 16                  |
|                         |                     |                     |

# Total number of seals observed was 19

## **Observations from March 28, 2001**

**Table 8: Extra-cranial skull fractures** 

(team b)

| No. of<br>seals with<br>extra-<br>cranial<br>skull<br>fractures | Orbital fractures | Mandibula<br>r fractures | Zygomatic fracture | Maxillary<br>fractures | Two or<br>more areas<br>fractured | No of<br>seals with<br>extra<br>cranial<br>fractures<br>but no<br>cranium<br>involveme<br>nt | No seals<br>with ECF<br>and mild-<br>moderate<br>cranium |
|---|-------------------|--------------------------|--------------------|------------------------|-----------------------------------|--|--|
| 10  | 5                 | 5                        | 4                  | 7                      | 8                                 | 1  | 6  |

(There were 4 seals that had no skull lesions (cranium or extra cranium)

## Total number of seal skulls examined was 24

**Table 9: Cranium fractures** 

(team b)

| No cranium fractures | Minimal to moderate | Severe to extensive |
|----------------------|---------------------|---------------------|
| 7                    | 5                   | 12                  |
|                      |                     |                     |

(Three of the five seals in the minimal to moderate category had hairline fractures with no displacement)

# Total number of seal skulls examined was 24

## **Observations from March 28, 2001**

#### **Table 10: Total extra-cranial skull fractures**

(Combining data from Team A and B)

| No. of     | Orbital   | Mandibular | Zygomatic | Maxillary | Two or    | Extracranial   | Extracranial |
|------------|-----------|------------|-----------|-----------|-----------|----------------|--------------|
| seals with | fractures | fractures  | fracture  | fractures | more      | fractures with | fractures    |
| extra-     |           |            |           |           | areas     | no cranium     | with mild to |
| cranial    |           |            |           |           | fractured |                | moderate     |
| skull      |           |            |           |           |           |                |              |
| fractures  |           |            |           |           |           |                |              |
| 29         | 16        | 17         | 9         | 23        | 26        | 1              | 10           |

## A total of 43 seal skulls were examined

#### **Table 11: Total cranium fractures**

(combining data from Team A and B)

| No cranium fractures | Minimal to moderate | Severe to extensive |
|----------------------|---------------------|---------------------|
| 7                    | 8                   | 28                  |
|                      |                     |                     |

# Total number of seals observed was 43

## Total observations from March 27-28, 2001

Table 12: Total Extra-cranial skull fractures observed.

| No. of<br>seals with<br>extra-<br>cranial<br>skull<br>fractures | Orbital fractures | Mandibular<br>fractures | Zygomatic fracture | Maxillary<br>fractures | Two or<br>more<br>areas<br>fractured | ECF with no cranium | ECF with<br>mild to<br>moderate<br>cranium |
|---|-------------------|-------------------------|--------------------|------------------------|--------------------------------------|---------------------|--|
| 46  | 21                | 21                      | 10                 | 31                     | 34                                   | 6                   | 16   |

## A total of 76 seal skulls were examined

Table 13: Total cranium fractures observed

| No cranium fractures | Minimal to moderate | Severe to extensive |
|----------------------|---------------------|---------------------|
| 13                   | 19                  | 44                  |

# A total of 76 seal skulls were examined

Table 14: Percentage breakdown of total cranium fractures observed

| No cranium fractures | Minimal to moderate | Severe to extensive |
|----------------------|---------------------|---------------------|
| 17%                  | 25%                 | 58%                 |

## A total of 76 seal skulls were examined

# APPENDIX 3: 1998 Seal Hunt Observation Documentation.

| Tape | Seal<br># | Time In | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff) | Blinking<br>Reflex<br>Check<br>(y/n) | hooked      | Second<br>strike | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of<br>bleeding | Time of skinning | Comments  | Violation / Abuse                     |
|------|-----------|---------|---------------------------------------|---|--------------------------------------|-------------|------------------|--|---------------------|------------------|---|---------------------------------------|
| 3    | 1         |         | 14:23                                 | Shot                                      | No                                   | 15:47       | NA               | No   | NA                  | NA               |   | Shooting and leave to suffer          |
|      | 2         |         | 16:40                                 | Shot                                      | No                                   | 17:22       |                  |  |                     |                  | Time of strike is time boat appears. Shot seal appears after.   |                                       |
|      | 3         |         | 16:40                                 | Shot                                      | Unknow<br>n                          | 17:47       | Unkno<br>wn      | Unknow<br>n                                    | Unknow<br>n         | Unknow<br>n      | Time of strike is time boat appears. Shot seal appears after. Time hooked is time seal is gone—hooked off camera. |                                       |
| 6    | 1         |         | 14:03                                 | Shot<br>then<br>clubbed                   | No                                   | 14:24       | 14:16            | No   | NA                  | NA               |   |                                       |
|      | 2         |         | 14:34                                 | Shot                                      | No                                   | 14:54       | NA               | No   | NA                  | NA               |   |                                       |
|      | 3         | 20:45   |                                       | Shot<br>then<br>clubbed                   | Maybe                                | 21:06       | 20:57            | No   | NA                  | NA               |   |                                       |
|      | 4         | 20:45   |                                       | Shot<br>then<br>clubbed                   | No                                   | 21:         | 21:18            | No   | NA                  | NA               |   | Shooting and leave to suffer          |
|      | 5         | 20:45   |                                       | Shot<br>then<br>clubbed                   | No                                   | 21:45       | 21:37            | No   | NA                  | NA               |   | Probable hooking alive                |
|      | 6         | 22:30   |                                       | Shot                                      | No                                   | 22:53       | NA               | No   | Unknow<br>n         | Unknow<br>n      | Noose used instead of hook  |                                       |
|      | 7         | 22:30   |                                       | Shot                                      | No                                   | 23:11       | NA               | No   | Unknow<br>n         | Unknow<br>n      | Noose used instead of hook  |                                       |
|      | 8         | 22:30   |                                       | Shot                                      | Unknow<br>n                          | Unknow<br>n | Unkno<br>wn      | Unknow<br>n                                    | Unknow<br>n         | Unknow<br>n      | Noose used instead of hook  |                                       |
|      | 9         | 22:30   |                                       | Shot                                      | Unknow<br>n                          | Unknow<br>n | Unkno<br>wn      | Unknow<br>n                                    | Unknow<br>n         | Unknow<br>n      | Noose used instead of hook  |                                       |
|      | 10        | 23:13   |                                       | Shot<br>then<br>clubbed                   | Maybe                                | 23:45       | 23:24            | No   | NA NA               | NA               |   | Probable shooting and leave to suffer |

Total Seals = 13

# **APPENDIX 4: 1999 Seal Hunt Documentation.**

| Tape | Seal<br># | Time In | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff) | Blinking<br>Reflex<br>Check<br>(y/n) | hooked   | Second<br>strike | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of bleeding | Time of skinning | Comments  | Violation / Abuse   |
|------|-----------|---------|---------------------------------------|---|--------------------------------------|----------|------------------|--|------------------|------------------|---|---|
| 23   | 1         |         | 23:07:06                              | Shot                                      | No                                   | 23:07:21 | NA               | No   | NA               | NA               | Thrown in boat 28 seconds after shot  | Possible hooking alive                                      |
|      | 2         |         | 23:08:13                              | Shot<br>then<br>Clubbed                   | No                                   | 23:08:41 | 23:08:3          | No   | NA               | NA               | Seal not in picture when shot   | Shooting and leave to suffer<br>Possible hooking live seal  |
|      | 3         |         | 23:09:54                              | Shot                                      | No                                   | 23:11:03 | NA               | No   | NA               | NA               | Seal not in picture when shot   | Struck and lost   |
|      | 4         |         | 23:09:58                              | Shot<br>then<br>clubbed                   | No                                   | 23:11:05 | 23:10:4          | No   | NA               | NA               | Seal not in picture when shot   | Possible shooting and leave to suffer<br>Hooking alive seal |
|      | 5         |         | 23:12:57                              | Shot                                      | No                                   | 23:1435  | NA               | No   | NA               | NA               | Seal not in picture when shot   | Shooting and leave to suffer<br>Hooking alive               |
|      | 6         |         | 23:16:23                              | Shot                                      | No                                   | 23:16:31 | NA               | No   | NA               | NA               | Seal not in picture when shot   | Possible hooking alive                                      |
|      | 7         |         | 23:17:21                              | Shot                                      | No                                   | 23:17:37 | NA               | No   | NA               | NA               | Seal not in picture when shot<br>Seal shows movement after in<br>boat   | Hooking alive<br>Shooting and leave to suffer               |
|      | 8         |         | 23:18:24                              | Shot<br>then<br>clubbed                   | No                                   | 23:18:39 | 23:19:1<br>6     | No   | NA               | NA               | Seal holds up flipper in boat<br>Struck after in boat   | Hooking alive<br>Shooting seal and leave to suffer          |
|      | 9         |         | 23:19:44                              | Shot                                      | No                                   | 23:20:37 | NA               | No   | NA               | NA               | Seal not in picture when shot   | Possible hooking alive                                      |
|      | 10        |         | 23:19:48                              | Shot                                      | No                                   | 23:20:19 | NA               | No   | NA               | NA               | Seal not in picture when shot   | Hooking alive   |
|      | 11        |         | 23:19:55                              | Shot                                      | No                                   | 23:20:38 | NA               | No   | NA               | NA               | Seal not in picture when shot<br>Time hooked is time<br>appearing hooked. Was<br>hooked sooner, but off<br>camera | Possible hooking alive                                      |
|      | 12        |         | 23:23:40                              | Shot                                      | No                                   | 23:24:00 | NA               | No   | NA               | NA               | Seal not in picture when shot<br>Seal shows movement in boat  | Hooking alive<br>Shooting and leave to suffer               |
|      | 13        |         | 23:24:27                              | Shot                                      | No                                   | 23:25:23 | NA               | No   | NA               | NA               | Seal not in picture when shot<br>Time hooked is time<br>appearing hooked. Was<br>hooked sooner, but off<br>camera | Hooking alive<br>Shooting and leave to suffer               |

# APPENDIX 4: 1999 Seal Hunt Documentation (cont.).

| Tape | Seal<br># | Time In  | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff) | Blinking<br>Reflex<br>Check<br>(y/n) | hooked      | Second<br>strike | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of bleeding | Time of skinning | Comments   | Violation / Abuse   |
|------|-----------|----------|---------------------------------------|---|--------------------------------------|-------------|------------------|--|------------------|------------------|--|---|
|      | 14        |          | 23:24:38                              | Shot                                      | No                                   | 23:24:53    | NA               | No   | No               | No               |  | Possible hooking alive<br>Possible shooting and leave to suffer |
|      | 15        |          | 23:26:02                              | Shot                                      | No                                   | 23:26:27    | NA               | No   | NA               | NA               | Seal not in picture when shot  | Possible hooking alive Possible shooting and leave to suffer    |
|      | 16        |          | 23:26:05                              | Shot<br>then<br>clubbed                   | No                                   | 23:26:46    | 23:26:4<br>1     | No   | NA               | NA               | Seal shows reflex movement<br>first and then voluntary<br>movement                                 | Possible shooting and leave to suffer<br>Possible hooking alive |
|      | 17        |          | 23:27:23                              | Shot                                      | No                                   | 23:27:38    | NA               | No   | NA               | NA               | Seal shows reflex movement   |   |
|      | 18        |          | 23:28:20                              | Shot                                      | No                                   | 23:28:39    | NA               | No   | NA               | NA               | Seal not in picture when shot  |   |
|      | 19        |          | 23:28:24                              | Shot                                      | No                                   | 23:28:54    | NA               | No   | NA               | NA               | Seal not in picture when shot  |   |
|      | 20        |          | 23:28:30                              | Shot                                      | No                                   | 23:28:54    | NA               | No   | NA               | NA               | Seal not in picture when shot  | Possible shooting and leave to suffer<br>Possible hooking alive |
| 24   | 1         | 20:00:45 |                                       | Shot                                      | No                                   | 20:01:27    | NA               | No   | NA               | NA               | Seal shot before appearing Time hooked is time appearing hooked. Was hooked sooner, but off camera |   |
|      | 2         |          | 20:00:46                              | Shot                                      | No                                   | Unknow<br>n | Unkno<br>wn      | Unknow<br>n                                    | Unknow<br>n      | Unknow<br>n      | Camera focuses on other seal while this one is handled   |   |
|      | 3         |          | 20:01:15                              | Shot                                      | No                                   | 20:03:16    | NA               | No   | NA               | NA               |  | Shooting and leave to suffer                                    |
|      | 4         |          | 20:03:39                              | Shot                                      | No                                   | 20:03:51    | NA               | No   | NA               | NA               |  | ,                         |
|      | 5         |          | 20:06:52                              | Shot                                      | No                                   | 20:07:09    | NA               | No   | NA               | NA               |  |   |
|      | 6         |          | 20:07:53                              | Shot                                      | No                                   | 20:08:57    | NA               | No   | NA               | NA               |  | Possible shooting and leave to suffer                           |
|      | 7         |          | 20:09:44                              | Shot                                      | No                                   | 20:10:08    | NA               | No   | NA               | NA               |  |   |
|      | 8         |          | 20:11:09                              | Shot                                      | No                                   | 20:11:32    | NA               | No   | NA               | NA               | Seal not in picture when shot  |   |
|      | 9         |          | 20:12:57                              | Shot                                      | No                                   | 20:13:18    | NA               | No   | NA               | NA               | After hooking, sealer drags to boat and appears to stop seal to death beyond camera view.          | Hooking alive<br>Shooting and leave to suffer                   |
|      | 10        | 20:14:37 |                                       | Shot                                      | No                                   | 20:14:42    | NA               | No   | NA               | NA               | Appear to have been shot long before appearing on camera   |   |
|      | 11        | 20:14:37 |                                       | Shot                                      | No                                   | 20:15:08    | NA               | No   | NA               | NA               | Appear to have been shot long before appearing on camera   | Hooking alive<br>Shooting and leave to suffer                   |

# APPENDIX 4: 1999 Seal Hunt Documentation (cont.).

| Tape | Seal<br># | Time In | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff) | Blinking<br>Reflex<br>Check<br>(y/n) | hooked   | Second<br>strike | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of<br>bleeding | Time of skinning | Comments   | Violation / Abuse   |
|------|-----------|---------|---------------------------------------|---|--------------------------------------|----------|------------------|--|---------------------|------------------|--|---|
|      | 12        |         | 20:18:28                              | Shot<br>then<br>clubbed                   | No                                   | 20:19:07 | 20:19:0          |  |                     |                  | Seal not in picture when shot<br>Seal shot in throat | Possible shooting and leave to suffer                           |
|      | 13        |         | 20:19:52                              | Shot                                      | No                                   | 20:20:30 | NA               | No   | NA                  | NA               |  | Possible shooting and leave to suffer<br>Possible hooking alive |
|      | 14        |         | 20:20:57                              | Shot<br>then<br>clubbed                   | No                                   | 20:21:17 | 20:21:1<br>5     | No   | NA                  | NA               | Seal not in picture when shot                        | Shooting and leave to suffer<br>Hooking alive                   |

Total Seals = 34

| Tape | Seal<br># | Time In                                | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff)        | Blinking<br>Reflex<br>Check<br>(y/n) | hooked           | Second<br>strike           | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of<br>bleeding      | Time of skinning | Comments   | Violation / Abuse   |
|------|-----------|--|---------------------------------------|--|--------------------------------------|------------------|----------------------------|--|--------------------------|------------------|--|---|
| 1402 | 1         | 21:56:59                               | 21:57:04                              | Club   | No                                   | 15 sec           | 54 sec                     | No   | 56 sec<br>(not<br>shown) | -                |  |   |
|      | 2         |  | 21:58:12                              | Shot,<br>Clubbed<br>with gaff<br>- 17<br>seconds | No                                   | 22 sec           | 17 sec                     | No   | 44<br>seconds            |                  |  | Shooting seal & leaving to suffer, clubbing with a boat hook                                |
|      | 3         |  | 22:02:06                              | Gaff   | No                                   | 15 sec           | 4 sec                      | No   | 1 min<br>11 sec          |                  |  | Possible hooking alive  |
|      | 4         | 22:03:00                               |                                       | Shot   | No                                   | 29 sec           | 51 sec                     | No   |                          | 56 sec           |  | Possible hooking & skinning alive   |
|      | 5         |  | 22:04:59                              | Shot,<br>gaff                                    | No                                   | 25 sec           | 19 sec,<br>37 sec          | No   |                          | 1 min<br>12 sec  |  | Shooting seal & leaving to suffer, clubbing with a boat hook, possible hooking a live       |
|      | 6         |  | 22:06:34                              | Shot   | No                                   | 24 sec           | 47 sec,<br>1 min<br>sec 32 | No   | 1 min<br>56 sec          |                  |  | Shooting seal & leaving to suffer, hooking alive, bled alive                                |
|      | 7         | 22:08:49<br>Didn't<br>see the<br>shot. |                                       | Poss<br>shot,<br>Gaff                            | ?                                    | 3 sec            | 13 sec,<br>48 sec          | No   |                          | 58 sec           |  | Shooting seal & leaving to suffer, hooking alive, clubbing with a boat hook, skinning alive |
|      | 8         |  | 22:11:19                              | Club   | No                                   | 5 sec,<br>44 sec | 22 sec                     | No   |                          | 54 sec           |  | Clubbing seals & leaving to suffer, hooking alive, skinning alive                           |
|      | 9         | 22:22:48                               |                                       | Shot   | No                                   | 22:22:48         |                            | No   | ?                        | ?                |  |   |
|      | 10        | 22:23:26                               |                                       | Shot   | No                                   | 2 min<br>26 sec  |                            | No   |                          |                  | 3 min 23 sec later still not skinned or bled                               |   |
|      | 11        | 22:29:15                               |                                       | Shot   |                                      |                  |                            |  |                          |                  | 19 sec later boat is leaving the area and the camera moved somewhere else. |   |
|      | 12        | 22:29:33                               |                                       | ?  | ?                                    |                  |                            | Yes  |                          |                  |  |   |
|      | 13        |  | 22:30:45                              | Shot   | No                                   | 55 sec           | 18 sec                     | Yes  | 33 sec                   |                  |  | Shooting a seal & leaving it to suffer, bleeding a live seal                                |
|      | 14        | 22:32:21                               |                                       | Shot   | No                                   |                  |                            | No   |                          |                  | 1 min 21 sec later still not skinned or bled                               |   |
|      | 15        | 22:34:12                               |                                       | Shot   | No                                   | 7 sec            |                            | No   |                          |                  | 22 sec later – couldn't see  |   |

| Tape | Seal<br># | Time In  | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff) | Blinking<br>Reflex<br>Check<br>(y/n) | hooked            | Second<br>strike           | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of bleeding | Time of skinning | Comments  | Violation / Abuse  |
|------|-----------|----------|---------------------------------------|---|--------------------------------------|-------------------|----------------------------|--|------------------|------------------|---|--|
|      | 16        |          | 22:36:04                              | Shot,<br>clubbed                          | No                                   | 28 sec            | 19 sec                     |  |                  | 54 sec           |   | Shooting seal and leaving to suffer  |
|      | 17        |          | 22:37:32                              | Shot,<br>clubbed                          | No                                   | 48 sec            | 4 sec,<br>43 sec           | No   |                  | 2 min<br>13 sec  |   | Shooting seal and leaving to suffer, possible hooking alive  |
|      | 18        | 22:39:54 |                                       | Shot,<br>gaff,<br>club                    | No                                   | 32 sec,           | 45 sec,<br>1min<br>6 sec   | No   | 1min<br>35 sec   |                  |   | Shooting seal & leaving to suffer, hooking alive, clubbing with a boat hook  |
| 1404 | 1         | 00:01:05 |                                       | Shot,<br>clubbed                          | No                                   | 1 min 16<br>sec   | 53 sec,<br>1 min<br>11 sec | No   | 1 min,<br>22 sec |                  |   | Shooting seals and leaving them to suffer, clubbing with a boat hook, hooking and dragging live seal, skinning live seal |
|      | 2         | 00:03:11 |                                       | Shot,<br>gaff                             | No                                   | 48 sec            | 35 sec                     | No   |                  | 1 min<br>5 sec   |   | Shooting seals and leaving them to suffer, clubbing with a boat hook, hooking alive, possible skinning alive             |
|      | 3         |          | 00:05:37                              | Shot,<br>gaff                             | No                                   | 59 sec            | 44 sec                     | No   |                  |                  | 2 min, 2 sec still not bled but<br>the camera moved to another<br>shot. |  |
|      | 4         | 00:07:39 |                                       | Shot,<br>clubbed                          | No                                   | 24 sec            | 7 sec,<br>20 sec           | No   |                  |                  | 47 sec still not bled   | Shooting seals & leaving them to suffer, clubbing with a boat hook, hooking alive  |
|      | 5         | 00:08:26 |                                       | Shot                                      |                                      |                   |                            | ?  |                  |                  | 41 sec still not recovered  |  |
| 1406 | 1, 2      | 00:11:23 |                                       | Poss<br>shot,<br>clubbed                  | No                                   | 25 sec            |                            | No   |                  |                  | 1 min, 28 sec still not bled, camera pulls out.                         | Shooting seals & leaving them to suffer, clubbing with a boat hook, hooking alive  |
|      | 3         | 00:12:53 |                                       | Shot                                      | No                                   | 11 sec,<br>25 sec |                            | No   |                  | 1 min<br>37 sec  |   |  |
|      | 4         | 00:16:08 |                                       | Shot,<br>clubbed                          | No                                   | 1 min<br>4 sec    | 39 sec,<br>56 sec          | No   |                  |                  | 2 min 35 sec still not bled   | Shooting seals & leaving them to suffer, clubbing with a boat hook, possible hooking alive                               |
|      | 5         |          | 00:18:45                              | Clubbed                                   |                                      |                   |                            |  |                  |                  |   | Struck and Lost, clubbing with a boat hook   |
| _    | 6         |          | 00:20:08                              | Shot,<br>clubbed                          | No                                   | 1 min<br>2 sec    | 50 sec                     | No   |                  | 1 min<br>32 sec  |   | Clubbing with a boat hook  |
|      | 7         |          | 00:22:19                              | Shot,<br>clubbed                          | No                                   | 43                | 27 sec                     | No   |                  |                  | 1 min 26 sec still not bled   | Shooting seals & leaving them to suffer, clubbing with a boat hook, possible hooking alive                               |
|      | 8         |          | 00:23:49                              | Shot,<br>clubbed                          | ?                                    | 36 sec            | 18 sec                     | No   |                  |                  | 1 min 8 sec still not bled  | Shooting seals & leaving them to suffer, clubbing with a boat hook   |
|      | 9         | 00:24:57 |                                       | Shot,<br>clubbed                          |                                      |                   | 9 sec                      |  |                  | 1 min<br>5 sec   |   | Shooting seals & leaving them to suffer  |

| Tape | Seal<br># | Time In  | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff) | Blinking<br>Reflex<br>Check<br>(y/n) | hooked          | Second<br>strike | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of bleeding | Time of skinning | Comments   | Violation / Abuse  |
|------|-----------|----------|---------------------------------------|---|--------------------------------------|-----------------|------------------|--|------------------|------------------|--|--|
|      | 10        | 00:24:57 |                                       | Shot,<br>clubbed                          |                                      |                 | 12 sec           |  |                  | 1 min<br>28 sec  |  | Shooting seals & leaving them to suffer                            |
|      | 11        | 00:24:57 |                                       | Shot,<br>clubbed                          |                                      |                 | 16 sec           |  |                  | 45 sec           |  | Shooting seals & leaving them to suffer, bled alive                |
|      | 12        | 00:24:57 |                                       | Shot,<br>clubbed                          |                                      |                 | 20 sec           |  |                  | 27 sec           |  | Shooting seals & leaving them to suffer, bled alive                |
|      | 13        | 00:27:58 |                                       | Shot,<br>Clubbed                          | No                                   | 1 min<br>4 sec  | 45 sec           | No   | 1 min<br>44 sec  |                  |  | Shooting seals & leaving them to suffer                            |
|      | 14        | 00:30:35 |                                       | Shot                                      | No                                   | 17 sec          |                  |  |                  |                  | 1 nub 4 sec still not bled   | Possible hooking alive   |
|      | 15        |          | 00:33:50                              | Shot,<br>clubbed                          | no                                   | 1 min<br>12 sec | 1 min            | No   |                  |                  | 2 min 1 sec still not bled   |  |
|      | 16        |          | 00:33:57                              | Shot,<br>clubbed                          | No                                   | 1 min<br>18 sec | 55 sec           | No   |                  |                  | 1 min 44 sec still not bled  | Possible shooting seal & leaving to suffer, possible hooking alive |
|      | 17        | 00:35:41 |                                       | Clubbed                                   | No                                   | 43 sec          |                  | No   |                  |                  | 2 min 17 sec still not bled<br>Sealer clubs seal multiple<br>times | Clubbing seals (no quick kill)                                     |
|      | 18        |          | 00:38:31                              | Clubbed                                   | No                                   |                 |                  | No   |                  |                  |  | Clubbing seals & leaving them to suffer, Struck and lost           |
|      | 19        |          | 00:39:40                              | Clubbed                                   | No                                   | 00:40:06        |                  | No   |                  |                  | 00:41:24 still not bled<br>(multiple seals in boat not<br>bled)    | Clubbing seal & leaving them to suffer, hooking alive              |
|      | 20        |          | 00:43:07                              | Clubbed                                   | No                                   | 0043:29         |                  | No   |                  |                  | 00:45:24 still not bled  |  |
|      | 21        | 00:46:15 |                                       | Clubbed                                   | ?                                    | 00:46:18        | 00:46:3<br>9     | No   |                  |                  | 00:47:35 still not bled  | Possible hooked alive  |
| 1435 | 1-4       | 02:31:15 |                                       | ?   | ?                                    | Various         |                  | 1 out of<br>4                                  |                  |                  |  |  |
|      | 5         | 02:44:01 |                                       | ?   | ?                                    | ?               |                  | no   |                  |                  |  |  |
|      | 6         | 02:44:58 |                                       | ?   | ?                                    | 02:45:01        |                  | No   | 02:46:35         |                  |  |  |
|      | 7         |          | 02:48:31                              | Clubbed                                   | yes                                  |                 |                  | Yes  | 02:48:39         |                  |  | Clubbing a seal & leaving it to suffer, bleeding alive             |
|      | 8         |          | 00:51:25                              | Clubbed                                   | no                                   | 02:53:38        |                  | Yes  |                  | 02:51:33         |  | Clubbing with a boat hook, possible skinning alive                 |

| Tape | Seal<br># | Time In  | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff) | Blinking<br>Reflex<br>Check<br>(y/n) | hooked   | Second<br>strike             | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of bleeding | Time of skinning | Comments  | Violations/Abuse  |
|------|-----------|----------|---------------------------------------|---|--------------------------------------|----------|------------------------------|--|------------------|------------------|---|---|
|      | 9         |          | 02:52:09                              | Clubbed                                   | No                                   | 02:53:02 |                              | Yes  |                  | 02:52:28         |   | Clubbing with a boat hook, clubbing seal & leaving to suffer, possible skinning alive, possible hooking alive |
|      | 10        |          | 02:55:49                              | Clubbed                                   | No                                   | 02:56:16 |                              | Yes  |                  | 02:55:57         |   | Possible skinning alive   |
|      | 11        | 00:57:26 |                                       | Shot                                      |                                      |          |                              | No   |                  |                  | Dragged to boat fully<br>conscious an not clubbed or<br>bled (2 min passes when<br>camera pulls out)      | Shooting seal & leaving to suffer   |
|      | 12        | 02:59:19 |                                       | Shot                                      | No                                   | 03:01:30 |                              | No   |                  |                  |   | Shooting seal & leaving to suffer, possible hooking alive   |
|      | 13        | 03:04:48 |                                       | Clubbed                                   | No                                   | 03:04:52 |                              | no   | 03:05:29         |                  |   |   |
|      | 14        | 03:07:44 |                                       | Shot                                      | No                                   | 03:07:57 |                              | No   |                  | 03:08:29         |   |   |
|      | 15        |          | 03:14:41                              | Clubbed                                   |                                      | 03:14:47 |                              | yes  | ?                |                  |   |   |
| 1433 | 1         |          | 00:50:49                              | shot                                      | No                                   | 00:51:11 |                              | No   | 00:51:34         |                  |   | Shooting seal & leaving to suffer, possible hooking alive   |
|      | 2         |          | 00:51:59                              | Shot,<br>clubbed                          | No                                   | 00:52:38 | 00:52:3<br>4<br>00:52:5<br>5 | No   | 00:53:04         |                  |   | Shooting seal & leaving to suffer, possible hooking alive   |
|      | 3         |          | 00:53:40                              | Clubbed                                   | No                                   |          |                              |  |                  |                  |   | Struck and lost   |
|      | 4         | 00:54:13 |                                       | Shot                                      | No                                   | 00:54:41 | 00:54:3<br>4                 | no   |                  |                  | 00:55:35 still not bled   | Shooting seal & leaving to suffer, possible hooking alive   |
|      | 5         | 00:55:49 |                                       | Shot                                      | No                                   | 00:56:01 |                              | No   | 00:56:22         |                  |   | Possible shooting seal & leaving to suffer,   |
|      | 6         | 00:56:36 |                                       | Shot                                      | No                                   | 00:56:45 | 00:57:1<br>7                 | No   | 00:57:26         |                  |   | Shooting seal & leaving to suffer, hooking alive  |
|      | 7         | 00:57:29 |                                       | Shot                                      | No                                   | 00:57:49 |                              |  |                  |                  | 00:58:14 still not bled   |   |
|      | 8         |          | 01:01:26                              | Shot,<br>clubbed                          | No                                   | 01:02:22 | 01:02:3<br>4                 | no   | 01:02:47         |                  |   |   |
|      | 9         | 01:03:03 |                                       | Shot                                      |                                      |          |                              |  |                  |                  | 01:04:24 seal has been<br>retrieved (action not shown<br>but the seal is missing from<br>the bloody ice.) |   |
|      | 10        |          | 01:04:34                              | Shot                                      |                                      |          |                              |  |                  |                  | 01:06:01 – still not retrieved and camera pulls out.  | Shooting seal & leaving to suffer   |
|      | 11        |          | 01:07:37                              | Shot                                      | No                                   | 01:08:01 |                              | No   |                  |                  | ·   |   |

| Таре | Seal<br># | Time In  | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff) | Blinking<br>Reflex<br>Check<br>(y/n) | hooked   | Second<br>strike             | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of bleeding | Time of skinning | Comments  | Violations/Abuse   |
|------|-----------|----------|---------------------------------------|---|--------------------------------------|----------|------------------------------|--|------------------|------------------|---|--|
|      | 12        | 01:08:16 |                                       | Shot,<br>gaff                             | No                                   | 01:08:47 | 01:08:4<br>1<br>01:09:0<br>2 | no   | 01:09:14         |                  |   | Shooting seal & leaving to suffer  |
|      | 13        | 01:09:16 |                                       | ?   | ?                                    |          |                              | No   | 01:09:47         |                  |   |  |
|      | 14        |          | 01:09:59                              | Shot                                      |                                      |          |                              |  |                  |                  |   |  |
|      | 15        | 01:11:04 |                                       | Poss<br>shot,<br>gaff                     |                                      | 01:11:10 | 01:11:0<br>7                 |  |                  |                  |   | Shooting seal & leaving to suffer, possible hooking alive                              |
|      | 16        |          | 01:11:26                              | Shot                                      | No                                   | 01:12:10 |                              | No   |                  |                  | 01:12:22 camera cuts out                                    |  |
|      | 17        |          | 01:14:19                              | Shot,<br>clubbed.                         | No                                   | 01:14:36 | 01:14:5<br>5                 | No   |                  |                  | 01:15:05 sealer bends down with knife but camera pulls away | Shooting seal & leaving to suffer, hooking alive                                       |
|      | 18        |          | 01:15:32                              | Gaff                                      | No                                   | 01:15:36 | 01:15:4<br>7                 | No   |                  |                  | -   |  |
|      | 19        |          | 01:16:48                              | Gaff                                      | No                                   | 01:16:50 |                              | No   | 01:17:23         |                  |   | Clubbing seals & leaving to suffer, possibility hooking alive, possible bleeding alive |
|      | 20        |          | 01:17:46                              | Shot,<br>gaff                             | ?                                    | 01:18:26 | 01:18:5<br>0                 | No   | 01:19:30         |                  |   | Shooting seal & leaving to suffer, possible hooking alive                              |
|      | 21        |          | 01:19:48                              | Shot,<br>gaff                             | No                                   | 01:20:13 | 01:20:1<br>1                 | No   | 01:21:47         |                  |   | Shooting seal & leaving to suffer, clubbing with a boat hook, hooking alive            |
|      | 22        | 01:22:48 |                                       | Shot                                      | ?                                    | 01:23:20 |                              |  |                  |                  | 01:23:32 not on boat yet                                    |  |
|      | 23        | 01:23:35 |                                       | Shot                                      | No                                   | 01:24:11 |                              |  |                  |                  | 01:24:53 not yet bled                                       | shooting seal & leaving to suffer  |
|      | 24        | 01:26:32 |                                       | Shot                                      | No                                   | 01:26:55 |                              | No   |                  |                  |   | Possible shooting seal & leaving to suffer, possible struck and lost                   |
|      | 25        | 01:27:26 |                                       | Shot                                      | No                                   | 01:27:49 |                              | No   |                  |                  | 01:28:20 not bled yet                                       | Shooting seal & leaving to suffer, hooking alive                                       |
|      | 26        |          |                                       |   |                                      |          |                              |  |                  |                  |   |  |
| 1382 | 1         | 15:51:51 |                                       | Shot,<br>clubbed                          | No                                   | 15:52:08 | 15:52:0<br>5                 | No   |                  |                  |   |  |
|      | 2         | 15:55:36 |                                       | Shot                                      |                                      |          |                              |  |                  |                  |   |  |
|      | 3         |          | 16:15:10                              | Shot,<br>gaff                             | No                                   | 16:15:42 | 16:15:4<br>7                 | No   |                  |                  | 16:20:10 still not bled                                     | Shooting seal & leaving to suffer, possible hooking alive, clubbing with boat hook     |
|      | 4         | 16:54:05 |                                       | Shot,<br>clubbed                          | No                                   | 16:54:33 | 16:54:4<br>8                 | No   | 16:55:01         |                  |   | Shooting seal & leaving to suffer, hooking alive                                       |
|      | 5         |          | 17:32:01                              | Shot                                      | no                                   | 17:34:56 |                              | No   |                  |                  | 17:36:02 still not bled                                     | Shooting seal & leaving to suffer  |

| Tape | Seal<br># | Time In  | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff) | Blinking<br>Reflex<br>Check<br>(y/n) | hooked   | Second<br>strike | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of bleeding | Time of skinning | Comments                  | Violations/Abuse  |
|------|-----------|----------|---------------------------------------|---|--------------------------------------|----------|------------------|--|------------------|------------------|---------------------------|---|
|      | 6         | 19:21:50 |                                       | Shot,<br>clubbed                          | No                                   | 19:22:53 | 19:23:0<br>6     | No   |                  |                  | 19:24:28 still not bled   | Shooting seal & leaving to suffer, possible hook alive                    |
|      | 7         | 19:30:30 |                                       | Shot                                      | No                                   | 19:31:05 | 19:31:1<br>3     | No   |                  |                  | 19:32:03                  | Shooting seal & leaving to suffer, possible hook alive                    |
|      | 8         | 19:54:32 |                                       | Shot                                      | No                                   | 19:54:32 |                  |  | 19:55:29         |                  |                           | Shooting seal & leaving to suffer, hooking alive, possible bleeding alive |
|      | 9         | 19:58:34 |                                       | Shot                                      | No                                   | 19:58:34 | 19:58:3<br>4     | No   |                  |                  | 20:01:50 – still not bled | Possible shooting & leaving to suffer, possible hooking alive             |
|      | 10        | 20:13:02 |                                       | Shot                                      | No                                   | 20:13:24 |                  | No   | 20:13:42         |                  |                           | Possible shooting & leaving to suffer                                     |
|      | 11        | 20:16:17 |                                       | Shot                                      | No                                   | 20:18:27 |                  | No   | 20:19:12         |                  |                           | Shooting seal & leaving to suffer   |
|      | 12        | 20:21:51 |                                       | Shot                                      | No                                   | 20:22:06 |                  | No   |                  |                  | 20:22:40                  | Possible shooting & leaving to suffer, possible hooking alive             |
|      | 13        | 20:23:23 |                                       | Shot                                      | No                                   | 20:24:45 |                  | No   |                  | 20:26:16         |                           | Possible shooting & leaving to suffer, hooking alive                      |
|      | 14        | 20:28:43 |                                       | Shot                                      | No                                   | 20:29:18 |                  |  |                  |                  | 20:30:45 – still not bled | Shooting seal & leaving to suffer, hooking alive                          |
|      | 15        |          | 20:31:25                              | Shot                                      | No                                   | 20:32:08 |                  | No   |                  |                  | 20:33:02 still not bled   | Shooting seal & leaving to suffer, hooking alive                          |
|      | 16        |          | 20:38:58                              | Shot,<br>clubbed                          | No                                   | 20:40:39 | 20:40:3<br>1     | No   |                  |                  | 20:41:06 still not bled   | Shooting seal & leaving to suffer,  |
|      | 17        | 20:41:09 |                                       | Shot                                      | No                                   |          |                  |  |                  |                  |                           | Struck and lost   |
|      | 18        |          | 20:57:49                              | Shot                                      | No                                   | 20:58:49 | 20:58:1<br>6     | No   |                  |                  | 20:59:54 – still not bled | Shooting seal & leaving to suffer, possible hooking alive                 |
|      | 19        |          | 21:11:54                              | Shot                                      | No                                   | 21:12:28 | 21:12:0<br>1     | No   |                  |                  | 21:13:53 – still not bled | Shooting seal & leaving to suffer, possible hook alive                    |
| 1434 | 1         | 02:10:18 |                                       | Shot                                      | No                                   | 02:10:54 |                  | No   |                  |                  |                           |   |
|      | 2         | 02:10:18 |                                       | Shot                                      | No                                   | 02:11:36 |                  | No   |                  |                  |                           |   |
|      | 3         | 02:13:32 |                                       | Shot                                      | No                                   | 02:13:55 |                  | No   |                  |                  |                           |   |
|      | 4         | 02:13:32 |                                       | Shot                                      | No                                   | 02:14:34 |                  |  |                  |                  |                           |   |
|      | 5         | 02:16:00 |                                       | Shot,<br>clubbed                          | No                                   | 02:16:17 | 02:16:0<br>5     | No   |                  |                  | 02:17:19 – still not bled |   |
|      | 6         | 02:16:00 |                                       | Shot,<br>clubbed                          | No                                   | 02:16:43 | 02:16:0<br>8     | No   |                  |                  | 02:17:19 – still not bled |   |
|      | 7         | 02:16:00 |                                       | Shot,<br>clubbed                          | no                                   |          | 02:16:0<br>9     |  |                  |                  | 02:17:19 – still not bled |   |
|      | 8         | 02:16:00 |                                       | Shot,<br>clubbed                          | No                                   |          | 02:17:2          |  |                  |                  | 02:18:00 – kicked in face | Shooting seal & leaving to suffer   |
|      | 9         | 02:19:03 |                                       | Shot                                      | No                                   | 02:19:12 |                  | no   | 02:20:55         |                  |                           |   |

| Tape | Seal<br># | Time In  | Time of first<br>documented<br>strike | Type of<br>strike<br>(Shot/Cl<br>ub/gaff) | Blinking<br>Reflex<br>Check<br>(y/n) | hooked   | Second<br>strike | Bled or<br>skinned<br>where<br>struck<br>(y/n) | Time of bleeding | Time of skinning | Comments   | Violation / Abuse   |
|------|-----------|----------|---------------------------------------|---|--------------------------------------|----------|------------------|--|------------------|------------------|--|---|
|      | 10        | 02:19:03 |                                       | Shot,<br>clubbed                          |                                      |          | 02:19:4<br>1     | No   | -                |                  |  |   |
|      | 11        | 02:19:11 |                                       | Shot,<br>clubbed                          |                                      |          | 02:19:4<br>6     | no   | -                |                  |  |   |
|      | 12        | 02:21:03 |                                       | Clubbed                                   |                                      | 02:21:23 | 02:21:1<br>4     | no   |                  |                  | 02:23:28 – still not bled  | Clubbing seal & leaving to suffer, hooking alive                |
|      | 13        | 02:24:18 |                                       | Shot                                      |                                      |          |                  |  |                  |                  | 02:25:29 – still not recovered   | Shooting seal & leaving to suffer                               |
|      | 14        | 02:25:34 |                                       | Shot                                      |                                      | 02:29:07 |                  |  |                  |                  |  | Shooting seal & leaving to suffer                               |
| 1432 | 1         | 02:10:18 |                                       | Shot                                      | No                                   | 02:10:54 | NA               | No   | NA               | NA               |  |   |
|      | 2         | 02:10:18 |                                       | Shot                                      | No                                   | 02:11:37 | NA               | No   | NA               | NA               |  |   |
|      | 3         | 02:11:58 |                                       | Shot                                      | No                                   | 02:12:00 | NA               | No   | NA               | NA               |  |   |
|      | 4         | 02:12:38 |                                       | Shot                                      | Unknow<br>n                          | 02:13:31 | Unkno<br>wn      | Unknow<br>n                                    | Unknow<br>n      | Unknow<br>n      | Seal seen dead at time in. No<br>collection on camera. Time<br>hooked is time seal still on<br>ice and shot breaks | Unable to Determine   |
|      | 5         | 02:13:33 |                                       | Shot                                      | No                                   | 02:13:56 | NA               | No   | NA               | NA               |  |   |
|      | 6         | 02:13:33 |                                       | Shot                                      | No                                   | 02:14:35 | NA               | No   | NA               | NA               |  | Possible shooting and leave to suffer<br>Possible hooking alive |
|      | 7         | 02:16:00 |                                       | Shot<br>then<br>clubbed                   | No                                   | 02:16:17 | 02:16:0<br>5     | No   | NA               | NA               |  | Shooting and leave to suffer<br>Hooking alive                   |
|      | 8         | 02:16:00 |                                       | Shot<br>then<br>clubbed                   | No                                   | Carried  | 02:16:0<br>7     | No   | NA               | NA               |  |   |
|      | 9         | 02:16:00 |                                       | Shot<br>then<br>clubbed                   | No                                   | Carried  | 02:16:0<br>9     | No   | NA               | NA               |  |   |
|      | 10        | 02:17:21 |                                       | Shot<br>then<br>clubbed                   | No                                   | Carried  | 02:17:2<br>5     |  |                  |                  |  | Shooting and leave to suffer                                    |
|      | 11        | 02:19:03 |                                       | Shot                                      | No                                   | 02:19:10 |                  |  |                  |                  |  |   |
|      | 12        | 02:19:03 |                                       | Shot<br>then<br>clubbed                   | No                                   | Carried  | 02:19:4          | No   | NA               | NA               |  |   |

| 13 | 02:19:10 |          | Shot | No | Carried  | 02:19:4     | No     | NA     | NA     |                     |                              |
|----|----------|----------|------|----|----------|-------------|--------|--------|--------|---------------------|------------------------------|
| 14 | 02:24:29 |          | Shot | No | unknow   | unkno<br>wn | unknow | unknow | unknow | Camera changes seen |                              |
| 15 |          | 02:25:36 | Shot | No | 02:29:07 | NA          | No     | NA     | NA     |                     | Shooting and leave to suffer |

**Total Seals = 133** 

# APPENDIX 6. MEAT INSPECTION REGULATIONS 1990. CANADIAN REGULATIONS REGARDING WELFARE OF LIVESTOCK AT SLAUGHTER:

79.

Every food animal that is slaughtered shall, before being bled,

- (a) Be rendered unconscious in a manner that ensures that it does not regain consciousness before death, by one of the following methods:
  - (i) By delivering a blow to the head by means of a penetrating or nonpenetrating mechanical device in a manner that causes immediate loss of consciousness
- (a) Be killed by one of the methods set out in paragraph (a) 80.

No equipment or instrument for restraining, slaughtering or rendering unconscious any food animal shall be used by any person for the those purposes

- (a) Unless the person is by reason of the person's competence and physical condition, able to do so without subjecting the animal to avoidable distress or avoidable pain; or
- (b) Where the condition of the equipment or instrument or the manner in which or the circumstances under which the equipment or instrument is used might subject the animal to avoidable distress or avoidable pain.

If the Canadian commercial seal hunt is to be considered as an "industry"<sup>2</sup>, it is imperative that every effort is made to comply with these animal production regulations.

It is quite clear from our personnel observations that the present seal hunt fails to comply with these basic animal welfare regulations.

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<sup>&</sup>lt;sup>2</sup> Personal communication with Roger Simon, Department of Fisheries and Oceans

#### APPENDIX 7.

NOTES FROM INFORMAL MEETING WITH MEMBERS OF THE DEPARTMENT OF FISHERIES AND OCEANS STAFF AND RCMP REGIONAL DFO OFFICER IN CHARGE, ROGER SIMON HOSTED MEETING

4:10 pm, MARCH 26, 2001, CHARLOTTETOWN, P.E.I.

Mr. Simon reviewed the requirements to receive a sealing license: must reside in an area that has a traditional seal hunt; attend a one day training course; 'apprenticeship' for two years - this entails sealing with an experienced sealer but does not equate to a true apprenticeship as there is no formal training or competency requirements during or at the end of this period.

DFO cannot revoke a sealers license unless the sealer is found guilty in a court of law of violations of the Marine Mammal Regulations or the Criminal Code of Canada. DFO has no remit to charge and convict, they pass the information on suspected infractions to the RCMP that would pursue charges.

DFO does not perform any assessment of competency of the sealer.

DFO's position is that clubbing is humane and should take a maximum of 3 blows to the head, however, their impressions are that one blow is usually sufficient. Palpation of the depressed skull was considered adequate enough to assess loss of consciousness ("massive hemorrhage" within the skull kills the animal). Clubbing on the nose only or starting to hit the seal on the back of the animal and working forward until the head is finally hit would be considered "beating a seal", which is not allowed.

DFO has officers on most of the vessels that were out at this date and would have 8 or 9 in total by the time the hunt was in full action. These officers made sure that the correct instruments were used, correct rifle/ammunition were used and that the regulations were followed.

A Firearms Acquisition Certificate was required before obtaining a rifle to shoot seals but that no accuracy or competency needed to be shown.

Once a license was obtained it would be renewed without question. If the license lapsed, however, the individual would have to go through the same process as a new applicant.

Mr. Simon stated that the seal hunt was a commercial hunt that met the humane standards that were derived from the Royal Commission on Seals/Sealing 1988 and the Canadian Veterinary Medical Association.