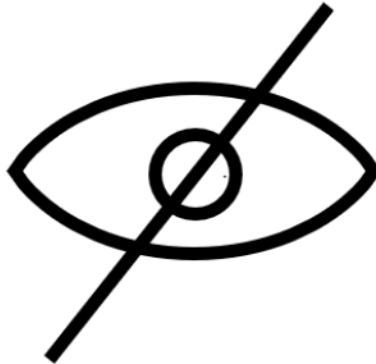




File: 292-30/

WARNING

Sensitive Content



From: [Morison, Michael F GPEB:EX](#)
To: [GPEB Incident Notification](#); [Mazhari, Leila GPEB:EX](#); [Cameron, Anna GPEB:EX](#)
Cc: [McNeill, Bill GPEB:EX](#); [Storms, Timothy GPEB:EX](#)
Subject: Incident Report
Date: s.22 5:44:09 PM

s.22

Hastings Racecourse – Race #5

Distance – 11/16th mile

Horse s.22

Trainer s.22

Jockey s.22

As the field raced around the clubhouse turn and into the backstretch, horse s.22 was racing in sixth place. At that point, the horse broke down and unseated jockey s.22. The horse continued to try and keep racing but was extremely lame. Jockey s.22 ran after the horse and caught it so it would not keep going down the track. The horse was attended to by the Outrider, members of the gate crew and the G.P.E.B. Veterinarian (Dr. Weetman). It was determined that the horse had sustained a catastrophic injury (compound fracture) to the left front leg. The injury was unrecoverable, and the horse was euthanized. The horse was removed from the racetrack in the equine ambulance and will be transported to the Animal Health Centre on Monday for necropsy. Jockey s.22 was not injured but was excused by the medical staff for the remainder of the day.

Respectfully submitted,

Michael Morison
Senior Steward

From: [McNeill, Bill GPEB:EX](#)
To: [GPEB Incident Notification](#); [Mazhari, Leila GPEB:EX](#); [Cameron, Anna GPEB:EX](#); [Hipsz, Ed GPEB:EX](#); [Montgomery, Philip GPEB:EX](#)
Cc: [Storms, Timothy GPEB:EX](#); [McNeill, Bill GPEB:EX](#)
Subject: FW: Incident Report
Date: s.22 6:13:31 PM

Date & time of incident: s.22 at approximately 3:44pm

Location: Hastings Racecourse – on the track

Brief description of incident: Horse broke down unseating the rider; horse was euthanized

Please see the incident report provided below by Senior Steward Michael Morison.

Privacy concerns? : Yes, s.22

Active investigation? : Yes – necropsy to be conducted

If yes, what agency(s)? : Government of BC Animal Health Centre

GPEB Compliance Division contact: Bill McNeill – Director of Racing

Regards,
Bill

Bill McNeill
Director of Racing
Compliance Division - Racing Unit
Gaming Policy and Enforcement Branch
Ph: 604-398-5703
Bill.McNeill@gov.bc.ca

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From: Michael Morison s.22
Sent: Sunday, s.22 5:10 PM
To: McNeill, Bill GPEB:EX <Bill.McNeill@gov.bc.ca>
Subject: Incident Report

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

s.22 - Race #4 - 61/2 furlongs

Horse s.22

Trainer s.22

As the field entered the last turn, horse s.22 was racing on the rail in 3rd place. At that point, the horse broke down and unseated Jockey s.22

The horse stayed on it's feet and was quickly caught by the Outrider. The horse was attended to by Dr. Weetman and members of the gate crew. The horse was determined to have sustained a catastrophic injury to the right front ankle. The horse was euthanized for humane reasons and removed from the track in the equine ambulance.

s.22 was attended to by the first aid personnel and walked off the track under his own power. He was cleared to continue riding for the day.

The horse will be transported off the grounds tonight and taken to the lab in the morning.

Respectfully submitted,

Mike Morison

From: [McNeill, Bill GPEB:EX](#)
To: [GPEB Incident Notification](#); [Mazhari, Leila GPEB:EX](#); [Hipsz, Ed GPEB:EX](#)
Cc: [Storms, Timothy GPEB:EX](#); [McNeill, Bill GPEB:EX](#)
Subject: Incident at Hastings Racecourse - equine fatality
Date: s.22 10:37:18 PM

Date & time of incident: s.22 at approximately 2:45pm

Location: Hastings Racecourse – in the paddock

Brief description of incident: Equine fatality

A horse entered in the 3rd Race at Hastings Racecourse this afternoon s.22 flipped over backwards in the paddock area before Race #3 and banged it's head on the ground. The horse was attended to in the paddock by the contracted GPEB Official Veterinarian, however, the horse succumbed to its injuries.

The horse was removed from the paddock in the equine ambulance, and will be transported to the Provincial Animal Health Centre on Monday for a necropsy.

Privacy concerns? : No

Active investigation? : No

If yes, what agency(s)? :

GPEB Compliance Division contact: Bill McNeill – Director of Racing

Regards,

Bill

Bill McNeill

Director of Racing

Compliance Division - Racing Unit

Gaming Policy and Enforcement Branch

Ph: 604-398-5703

Bill.McNeill@gov.bc.ca

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From: [McNeill, Bill GPEB:EX](#)
To: [GPEB Incident Notification](#)
Cc: [Storms, Timothy GPEB:EX](#); [McNeill, Bill GPEB:EX](#)
Subject: FW: Incident report - CONFIDENTIAL!
Date: s.22 6:57:19 AM

Date & time of incident: s.22 at approximately 2:38pm
Location: Hastings Racecourse – on the track
Brief description of incident: Horse fell during Race #2 unseating the rider - the Jockey was injured; the horse was euthanized s.22
s.22

Please see the incident report provided below by Senior Steward Michael Morison.

Privacy concerns? : Yes, s.22
Active investigation? : No
If yes, what agency(s)? :

GPEB Compliance Division contact: Bill McNeill – Director of Racing

Regards,
Bill

Bill McNeill
Director of Racing
Compliance Division - Racing Unit
Gaming Policy and Enforcement Branch
Ph: 604-398-5703
Bill.McNeill@gov.bc.ca

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From: Michael Morison s.22
Sent: Sunday, s.22 8:41 PM
To: McNeill, Bill GPEB:EX <Bill.McNeill@gov.bc.ca>
Subject: Incident report

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

s.22 - 2nd race - 1&1/16th mile

As the field went up the backstretch the 2nd time, horse s.22 was racing in 2nd place on the rail, horse s.22 was on the outside of horse s.22 and on the lead.

Just past the 3/8ths pole, horse s.22 fell and unseated s.22. The trailing 3 horses managed to avoid the fallen horse and rider and the remaining 4 horses finished the race.

Horse s.22 and s.22 remained down on the racetrack. They were attended to by the first aid personnel, GPEB Official Veterinarian (Sheryl Bourque), Outriders and members from the starting gate crew.

Horse s.22 was examined and determined to have sustained a compound fracture of the left front shoulder. The injury was catastrophic and the horse was euthanized for humane reasons.

Jockey s.22 got to his feet and was walked into the ambulance.

s.22

s.22 sustained minor injuries and was taken off his remaining mount for the day.

The Stewards conducted an enquiry into the accident. Following the review, the Stewards disqualified horse s.22 for causing interference to horse s.22 on his inside, which resulted in the accident taking place.

s.22

After a delay of approximately 25 minutes, the next race got underway.

The remainder of the races were completed without incident.

The fallen horse will be transported to the lab on Monday for necropsy.

Respectfully submitted,

Mike Morison

From: Morison, Michael F GPEB:EX
To: GPEB Incident Notification
Cc: Mazhari, Leila GPEB:EX; Cameron, Anna GPEB:EX; McNeill, Bill GPEB:EX; Storms, Timothy GPEB:EX
Subject: Incident Report
Date: s.22 9:21:15 AM

Good morning,

Incident report for s.22

Hastings Racecourse

Horse s.22

Trainer s.22

At approximately 9:00am, the horse was in the process of a timed workout when it went lame and was pulled up by the exercise rider s.22 on the stretch turn. The horse was attended to by the Outrider and the practicing Veterinarian s.22. Upon examination of the horse, it was determined that the horse had sustained a complete fracture of the right hind leg. This is a non-survivable injury, and the horse was euthanized on the racetrack. The horse was removed from the track in the equine ambulance and taken into the works yard. In the afternoon, the horse was transported to the lab for necropsy.

s.22 was not injured and resumed his duties for the day.

Respectfully submitted,

Mike Morison
Senior Steward

From: Morison, Michael F GPEB:EX
To: GPEB Incident Notification
Cc: Mazhari, Leila GPEB:EX; Cameron, Anna GPEB:EX; McNeill, Bill GPEB:EX; Storms, Timothy GPEB:EX
Subject: Incident Report
Date: s.22 10:37:20 AM

Good morning,

Horse s.22

Trainer s.22

Training accident – horse was in process of a timed workout.

At approximately 9:00 this morning. The horse s.22 was just starting a timed workout of 5/8ths of a mile. The horse was a ¼ mile into the workout when it fell and unseated Jockey s.22 s.22

The horse remained down on the racetrack and was attended to by the Racetrack Superintendent and me. The horse never got back onto its feet and passed away after a couple of minutes. After approximately 5 minutes, the practicing Veterinarian s.22 arrived. s.22 examined the horse and confirmed that it was deceased. The horse was then loaded into the equine ambulance and removed from the track.

After consultation with s.22 it appears that the horse most likely suffered a massive cardiac or pulmonary incident.

The horse was removed from the grounds of the racetrack in the afternoon and transported to the lab for necropsy.

s.22 was attended to by the First Aid Personnel and was reported to be uninjured but was taking the remainder of the morning off.

Respectfully submitted,

Mike Morison
Senior Steward



Final Report AHC Case: 237450

Report Date s.22 12:06 AM Last Updated s.22 12:04 PM Coordinator **Michael Pawlik**

Submission Info

Contacts	Contacts	Other
Owner s.22	Ref Vet Weetman, Dr. Joanne	Client Ref #
Submitter Gaming Policy & Enforcement Branch	Ref Clinic	Date submitted s.22
Phone s.17	Bill To Gaming Policy & Enforcement Branch	Date Collected
		Premises

Case Demographics

Farm/Owner	Animal Info	Animal Info
Address 1 s.22	ID s.22	Birth Date
Address 2	Taxonomy Thoroughbred Horse	Age 2 Years
City	Type Owned, Horses, Racing	Sex Female
Location	Death	

Case History

Information	Treatments	Metrics
Reason for test not given	None <input type="checkbox"/>	# in Group 0
Primary problem Musculoskeletal	Antibiotics <input type="checkbox"/>	# Sick 0
Sample source not given	Fluids <input type="checkbox"/>	# Dead 1
Vaccinated not given	Antiinflammatories <input type="checkbox"/>	
Smallholder not given	Other <input type="checkbox"/>	

Chip #s.22 No. Submitted Dead: 1 Date animal died: s.22
Racing mile 1/16 - pulled up at 7/16 pole (fracture of LF cannon - open.
Please perform joint scoring
Condition suspected: cannon fracture

**All histories are copied verbatim from the submission form*

Sample Information

Zoonotic/FAD Agent	Legal Case <input type="checkbox"/>
Special Project	Insurance case <input type="checkbox"/>

Staff Comments

Specimens Received: 1 Thoroughbred horse

Tests Requested: Post Mortem Examination

Final Diagnosis

Final Comments: The most significant finding on gross examination was an open, comminuted

fracture of the distal, right metatarsal bone. Roughly 11 cm of bone was affected. There was no evidence of joint involvement or other predisposing lesions. Results from examination of the joint articular surfaces are affixed.

Morphological Diagnosis:

1A. Right Metatarsus: Fracture, open, comminuted, peracute, focal, severe, with associated haemorrhage and laceration of the overlying skin

Necropsy

Gross Findings:

A 2-year-old, 417 kg, female, thoroughbred racehorse presented euthanized for post-mortem examination^{s.22}. The carcass was mildly autolyzed. The animal was well fleshed. There was an open, comminuted fracture at the distal aspect of the right metatarsal bone (Cannon Bone). The fracture involved 11 cm of the metatarsal bone starting approximately 3 cm proximal to the metatarsal-phalangeal joint. The foot, distal to the fracture site was tethered to the leg by ligaments, and the tattered remnants of the overlying skin. The skin was torn over the medial (6 x 6 cm) and lateral (4 x 5 cm) aspect of the fracture site. The edges of the wounds were retracted. The surrounding skin had peeled away from the underlying fascia creating a pocket, roughly 12 cm in length, on either side of the fracture site. There was extensive red-brown discoloration of the connective tissues throughout the affected area, including the tendons and ligaments. The fracture site was contaminated with sand. The proximal fragment of the metatarsal bone was protruding outwards, roughly 3 cm beyond the margins of the skin.

Joint Analysis:

Fetlock lesion	RF	LF	RH	LH
Palmar arthrosis (PA)	1	0	1	1
Cartilage erosion (CE)	1	1	1	0
Wear lines (WL)	0	1	1	1
Carpal Lesion	Right	Left		
Third carpal bone CE	0	0		



Michael Pawlik
D.V.M., MVSc., Diplomate, A.C.V.P.

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END OF REPORT

Final Report AHC Case: 23-6198

Last Updated: s.22 4:37 PM
Case Coordinator: Glenna McGregor
Received Date: s.22
Collected Date:
Client Ref No:

Veterinarian:
Clinic: **Weetman, Dr. Joanne**
Phone: (604) 660-9090
Fax:

Submitter: **GPEB - Hastings Racetrack**
Phone:

Owner: s.22
Phone:
Premise ID:

Animal Data
Species: Horse
Breed: Thoroughbred
Sex: Male/Neutered
Age: 4 Years
Animal ID: s.22

Case History

Chip # s.22
No. Submitted Dead: 1 Date Animal Died: s.22

Pulled up at 1/2 mile pole - RF loss of columnar support at fetlock
Suspect both sesamoids fractured.
Please perform joint scoring

Musculoskeletal

***All histories are copied verbatim from the submission form**

Staff Comments:

Received: 1 Thoroughbred Horse
Testing Requested: Post Mortem examination

Final Diagnosis

Final Diagnosis:

Bilateral proximal sesamoid fractures of the right front fetlock

Comments:

As you suspected clinically this horse had comminuted fractures of both proximal sesamoid bones of the right forelimb with moderate displacement of the bone fragments.

Joint scoring is below.

If you have any questions or concerns please do not hesitate to call (604-556-3003) or email (Glenna.McGregor@gov.bc.ca).

Necropsy

Gross examination performed s.22

Received a castrated male horse in a moderately autolysed state of post-mortem preservation. He weighed 534 kg and was in good body condition. There was abundant hemorrhage around the right front fetlock joint with comminuted fractures of both sesamoid bones with mild displacement of the fragments. There was locally extensive hemorrhage in the superficial and deep flexor tendons over the fracture site.

Joints were scored as per the 2017 racehorse protocol as follows:

Fetlock lesion	RF Fetlock	LF Fetlock	RH Fetlock	LH Fetlock
- Palmar arthrosis (PA)	N/A (affected)	2	3	3
- Cartilage Erosion (CE)	N/A (affected)	2	2	2
- Wear lines (WL)	N/A (affected)	0	0	1
Carpal lesion	RF	LF	N/A	N/A
- Third carpal bone cartilage erosion	0	0	N/A	N/A



Glenna McGregor
BSc, DVM, MVetSc, DACVP

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END OF REPORT

This report supersedes all previously communicated results including those last sent on s.22 at 4:37 PM

Final Report AHC Case: 23-6073

Last Updated: s.22 2:03 PM

Case Coordinator: Chelsea Himsworth,
DVM, MVetSc, Diplomate

Received Date: s.22

Collected Date:

Client Ref No:

Veterinarian:

Clinic: **Weetman, Dr. Joanne**

Phone: (604) 660-9090

Fax:

Submitter: **GPEB - Hastings Racecourse**

Phone:

Owner: s.22

Phone:

Premise ID:

Animal Data

Species: Horse

Breed: Thoroughbred

Sex: Female

Age: 3 Years

Animal ID: s.22

Case History

Chip #s.22

No. Submitted Dead: 1

Date Animal Died: s.22

- reared up + flipped over in paddock.
- hit head - suspect skull fracture - severe hemorrhage
- T-61 intra-thoracic as no B.P. upon exam, no corneal reflex.
- Please perform joint scoring.

Musculoskeletal, Neurological

Euthanized? Yes; Specify Method: T-61 (intra-thoracic as no B.P).

Horse: Racehorse

***All histories are copied verbatim from the submission form**

Staff Comments:

Received: 1 Whole Horse

Testing Requested:

Final Diagnosis

Diagnosis:

Basilar skull fracture

Comment: As was suspected, this horse was suffering from a massive, comminuted fracture of the bones at the base of the skull. Basilar skull fractures most frequently occur in young horses that strike the poll of the head by rearing over backward and landing on the head, which was observed in this case. This type of fracture was initially believed to be a result of referred force from the poll but is now thought to be an avulsion fracture from the pull of the rectus capitis ventralis (ventral straight muscle of the neck) on its insertion point at the basioccipital bone.

Necropsy

Gross examination performed s.22

This horse is in excellent body condition with ample muscling. There is marked hemorrhage in the retropharyngeal area resulting in the accumulation of large amounts of clotted blood between the base the skull and the guttural pouches/larynx. Patchy hemorrhage is also present in the muscle and soft tissues overlying the dorsal aspect of the skull in the area of the poll. The subdural space surrounding the brainstem and cervical spinal cord is filled with clotted blood. There is a massive, comminuted basilar skull fracture involving the sphenoid, temporal, and occipital bones.

Fetlock Lesion	RF	LF	RH	LH
Palmar arthrosis (PA)	0	0	1	1
Cartilage erosion (CE)	3	3	0	1
Wear lines (WL)	3	2	0	0
Carpal Lesion	Right	Left	xxxxxx	xxxxxx
Third carpal bone – CE	0	1	xxxxxx	xxxxxx



Chelsea Himsworth, DVM,MVetSc,Diplomate
Chelsea.Himsworth@gov.bc.ca

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END OF REPORT

This report supersedes all previously communicated results including those last sent on s.22 at 9:24 AM

Final Report AHC Case: 23-5962

Last Updated: s.22 11:57 AM

Case Coordinator: Ann Britton, DVM, MSc, PhD

Received Date: s.22

Collected Date:

Client Ref No:

Veterinarian:

Clinic: s.22

Phone:

Fax:

Submitter: **GPEB**

Phone: (604) 398-5703

Owner: s.22

Phone:

Premise ID:

Animal Data

Species: Horse

Breed: Thoroughbred

Sex: Male/Neutered

Age: 5 Years

Animal ID: s.22

Case History

Race accident, compound fracture
Right ulna

Presenting Complaint: Musculoskeletal
Euthanized: Yes - T61
Horse: Racehorse

***All histories are copied verbatim from the submission form**

Staff Comments:

Received: 1 Whole Horse

Testing Requested: Post Mortem examination

s.22 08:42:40 LAB NOTE: Submission form has not units selected for age. Contacted submitter to confirm age unit of horse (years). /MF

Final Diagnosis

Final diagnosis:

Compound comminuted fracture of right olecranon

Necropsy

One male neutered 5 year old Thoroughbred horse weighing 484 kg was submitted as part of the Hastings Racecourse Study on s.22. The horse was in good body condition with a compound comminuted fracture of the right olecranon and concomitant surrounding soft tissue hemorrhage. There was no involvement of the elbow joint proper.

Joints were scored as per the racehorse protocol as follows:

Fetlock Lesion	RF	LF	RH	LH
Palmar arthrosis (PA)	1	0	1	1
Cartilage erosion (CE)	0	1	0	0
Wear lines (WL)	0	3	0	0
Carpal Lesion	Right	Left	xxxxxxx	xxxxxxx
Third carpal bone - CE	1	1	xxxxxxx	xxxxxxx

A. Britton

Ann Britton, DVM, MSc, PhD
Ann.P.Britton@gov.bc.ca

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END OF REPORT

This report supersedes all previously communicated results including those last sent on s.22 at 11:59 AM



Final Report AHC Case: 236587

Report Date s.22 08:58 AM Last Updated s.22 5:01 AM Coordinator **Stephen Raverty**

Submission Info

Contacts	Contacts	Other
Owner s.22	Ref Vet s.22	Client Ref #
Submitter	Ref Clinic	Date submitted s.22
Phone	Bill To Gaming Policy & Enforcement Branch	Date Collected
		Premises

Case Demographics

Farm/Owner	Animal Info	Animal Info
Address 1 s.22	ID s.22	Birth Date
Address 2	Taxonomy Thoroughbred	Age 5 Years
City	Type Owned, Horses, Racing	Sex Female
Location	Death Euthanized/Killed	

Case History

Information	Treatments	Metrics
Reason for test Diagnostic Investigation	None <input type="checkbox"/>	# in Group 1
Primary problem not given	Antibiotics <input type="checkbox"/>	# Sick 0
Sample source Individual	Fluids <input type="checkbox"/>	# Dead 0
Vaccinated not given	Antiinflammatories <input type="checkbox"/>	
Smallholder not given	Other <input type="checkbox"/>	

Training, compound fx LMT, Euthanized with T-61.

Animal ID: s.22

s.22 Tag no. s.22

Horse - Racehorse

**All histories are copied verbatim from the submission form*

Sample Information

Legal Case ☐
Insurance case ☐

Staff Comments

Specimens Received: 1 horse

Tests Requested: Post Mortem examination

Final Diagnosis

Please refer to gross findings.

Preliminary Findings

Fx LMT

Necropsy

A 5 year old 482 kg female Thoroughbred is presented euthanized, s.22 in good body and post mortem condition. The animal is well fleshed. There is moderate circumferential subcutaneous and periarticular swelling of the proximal third of the left metatarsus with an open comminuted fracture of the metatarsal bone. There is medial displacement of bone fragment and laceration of the overlying skin; the adjoining tendon is hemorrhage, medially displaced and incised up to 20 percent of its diameter. The overlying skin margins are abrupt and retracted. There is moderate multifocal acute periosteal hemorrhage of bone fragments. There are no other significant gross internal or external lesions.

JOINT ANALYSIS

Fetlock lesion	RF	LF	RH	LH
Palmar arthrosis (PA)	1	1	1	1
Cartilage erosion (CE)	0	0	0	0
Wear lines (WL)	2	1	0	0
Carpal Lesion	Right	Left		
Third carpal bone CE	0	1		

COMMENTS:

Gross examination confirmed a comminuted fracture of the left metatarsal bone. Results from examination of the joint articular surfaces are affixed.

MOPRHOLOGIC DIAGNOSIS:

1). Left metatarsus: Fracture, comminuted, severe, open with moderate displacement of bone margins, periosteal hemorrhage, with incision and medial displacement of the adjoining tendon

Stephen Raverty, DVM
Stephen.Raverty@gov.bc.ca

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END OF REPORT

This report supersedes all previously communicated reports



Final Report AHC Case: 236308

Report Date s.22 5:35 PM Last Updated s.22 5:32 PM Coordinator **Stephen Raverty**

Submission Info

Contacts	Contacts	Other
Owner s.22	Ref Vet s.22	Client Ref #
Submitter Gaming Policy & Enforcement Branch	Ref Clinic	Date submitted s.22
Phone s.17	Bill To Gaming Policy & Enforcement Branch	Date Collected
		Premises

Case Demographics

Farm/Owner	Animal Info	Animal Info
Address 1	ID s.22	Birth Date
Address 2	Taxonomy Thoroughbred	Age 5 Years
City	Type Owned, Horses, Racing	Sex Male/Neutered
Location	Death	

Case History

Information	Treatments	Metrics
Reason for test Diagnostic Investigation	None <input type="checkbox"/>	# in Group 0
Primary problem not given	Antibiotics <input type="checkbox"/>	# Sick 0
Sample source Individual	Fluids <input type="checkbox"/>	# Dead 1
Vaccinated not given	Antiinflammatories <input type="checkbox"/>	
Smallholder not given	Other <input type="checkbox"/>	

No. Submitted Dead: 1 Date Animal Died: s.22
Sudden Death while training
*Please include joint scoring
Euthanized? No
Horse: Racehorse

**All histories are copied verbatim from the submission form*

Sample Information

Legal Case ☐
Insurance case ☐

Staff Comments

Specimens Received: 1 Thoroughbred horse Tests Requested: Post Mortem Examination s.22 08:44,
ncm: Called Veterinarian, left message on machine. No age listed - awaiting return call s.22 08:49,
ncm: Veterinarian returned call, age reported as 5 years, additional history of pale white gums after death (animal deceased on vet arrival). Additionally confirmed date of death as s.22 instead of listed death s.22

Final Diagnosis

A 5 year old Thoroughbred gelding, s.22 is presented dead s.22 in good body and very

poor post mortem condition. The animal is well fleshed. The generalized autolysis of the thoracic and abdominal viscera and the intestines are moderately inflated with gas. There are no significant gross external lesions.

MORPHOLOGIC DIAGNOSIS:

1). Carcass: Autolysis, severe

COMMENTS:

Advanced autolysis impeded gross evaluation of the internal viscera and there were no apparent lesions which may have accounted for the loss of this animal. The articular score is below.

	RF	LF	RH	LH
Palmar arthrosis – PA	0	0	1	1
Cartilage erosion – CE	1	0	0	1
Wear lines – fetlock	0	2	0	0

Carpal lesions	Right	Left
Third carpal bone	0	0

Preliminary Findings

Advanced autolysis

Necropsy

Please refer to the Final Diagnoses

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These results relate only to the animals, items or samples tested that were provided by the customer and are conditional to the state in which they were received.

Any opinions and interpretations in this report are based on case laboratory data and professional knowledge and experience.

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END OF REPORT

This report supersedes all previously communicated reports

2023							
Date	SB/TB	Location	Circumstance (Training or Race)	Name	Age	Euthanized	Cause
s.22	SB	Barn Area	Horse being treated in barn	s.22	7	Y	Colic (gastrointestinal distress) Colon- neprosplenic entrapment, segmental strangulation, and necrosis.
	TB	On Track	During Race		5	Y	Compound comminuted fracture of right olecranon
	TB	Paddock	Pre-race - reared up + flipped over in paddock hitting head		3	Y	Massive, comminuted fracture of the bones at the base the skull (Basilar skull fracture)
	TB	On Track	During Race		4	Y	Comminuted fractures of both proximal sesamoid bones of the right forelimb
	TB	On Track	During Training - considered natural cause		5	N	Necropsy report pending - but preliminary from vet was "massive cardiac or pulmonary incident"
	TB	On Track	During Training		5	Y	Complete fracture of hind leg
	TB	Barn Area	Natural Causes		4	Y	Colic (gastrointestinal distress)
	TB	Backstretch	Horse got loose and crashed into barn		2	N	Severe blunt force trauma and massive blood loss
	SB	Barn Area	Post Race		3	Y	Fracture in the right hind pastern
	SB	Barn Area	Natural Causes		4	Y	Clostridial infection
	TB	On Track	During Race		2	Y	Complete open fracture to left front leg

9

SB	3
TB	8

Race
Training/Pre-Race
Natural Causes

2023							
Date	SB/TB	Location	Circumstance (Training or Race)	Name	Age	Euthanized	Cause
s.22	SB	Barn Area	Horse being treated in barn	s.22	7	Y	Colon- neprosplenic entrapment, segmental strangulation, and necrosis.
	TB	On Track	During Race		5	Y	Compound comminuted fracture of right olecranon
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	TB	On Track	During Race		4	Y	Comminuted fractures of both proximal sesamoid bones of the right forelimb
	TB	On Track	During Training		5	N	Necropsy report pending - but preliminary from vet was "massive cardiac or pulmonary incident"

5

SB 1
TB 4

**MINISTRY OF PUBLIC SAFETY AND SOLICITOR GENERAL
GAMING POLICY AND ENFORCEMENT BRANCH
BRIEFING NOTE**

PURPOSE: For **INFORMATION** of Sam MacLeod, Assistant Deputy Minister and General Manager

ISSUE: Equine deaths at BC Horse Racing Tracks

SUMMARY:

GPEB's Racing Unit regulates horse racing events in B.C. to ensure compliance with the Gaming Control Act. The Racing Unit is also responsible for developing policies and rules to ensure horse racing is conducted fairly and with integrity and also establishes the Rules of Thoroughbred and Standardbred Horse Racing.

These rules and policies are also designed to ensure the industry operates in a safe manner in order to minimize injury to horses and humans. As part of its oversight of the industry, the Racing Unit has a mandate to ensure that all parties involved in racing, including the track operators, breed associations and licensees, are operating in the safest manner possible. There is however an inherent risk in horse racing that cannot be completely mitigated, and therefore injuries and deaths may still occur.

The conventional racing industry benchmark is that racing equine deaths should be at or below two deaths per 1,000 race starts. Racing related equine deaths at the two racetracks in BC have for the past 5 years consistently fallen below this benchmark with the average of 0.88 deaths per 1,000 races for Thoroughbreds and 0.37 for Standardbred over that time span.

The Racing Unit will continue to monitor equine deaths at both tracks as part of our industry oversight and will take action where required. In addition to this ongoing oversight, the Compliance Division is also commencing analysis looking into equine deaths to determine if additional rules or policies are required to reduce the frequency.

DISCUSSION:

I. Comparison to Industry Benchmarks

Equine deaths can occur as a result of injuries sustained during a race or training, but also as a result of natural causes not related to racing, similar to any animal. There is a general informal statistical benchmark that racing related equine deaths should be at or lower than 2 deaths per 1,000 starts. The rate of fatal injuries North America wide in 2022 was 1.25 horses per 1,000 starts, a 10.1% decrease from 2021 when there were 1.39 fatalities per 1,000 starts¹.

Figures from the Equine Injury Database (EID). The EID is the Thoroughbred industry's first national (North American) database of racing injuries. Hasting Racecourse is a participant of the EID program.

Racing related equine deaths at the two racetracks in BC have for the past 5 years consistently fallen below this benchmark with the average of 0.88 deaths per 1,000 races for Thoroughbreds and 0.37 for Standardbreds over that time span. Appendix A below presents these statistics in a comparative manner showing the rates of racing related equine deaths in BC compared to an overall North American rate for the years 2019 to 2023.

II. Steps taken by GPEB to prevent equine accidents and injuries.

- A. GPEB contracts Official Veterinarians that are licensed by the College of Veterinarians of BC. These contracted GPEB Official Veterinarians are at the racetrack during the period racing takes place, and GPEB always follows the advice of the Veterinarians on matters related to the health and welfare of the horses.

The duties undertaken by GPEB's contracted Official Veterinarians to reduce the risk of injury or death include:

- Performing inspections of the horses scheduled to race each day and immediately report to the GPEB Judges or Stewards any horse deemed unsafe or unfit to be raced so it can be scratched from the race card.
- Inspecting and monitoring horses during pre-race warmups, racing and post-race activities and report to the GPEB Judges or Stewards any horse deemed unsafe or unfit to be raced.
- The veterinarian will also attend to any horses on the racetrack; before, during, or following the running of a race; that are injured or in distress and administer emergency treatment, including humane euthanasia to an injured animal when necessary.

- B. GPEB licenses the track operator (GCGC) and issues a track license to the operator. This license contains conditions the operator must follow to ensure the safety of racing, including the following:

- Maintaining the racetrack surface in a satisfactory condition acceptable to the GPEB General Manager (typically delegated down to the GPEB Director of Racing).
- Providing an equine ambulance and attendants, along with having sufficient operating procedures to address incidents of equine injury.
- Ensuring that adequate racetrack lighting is installed and operational.

- C. In consultation with the breed associations and racing licensees, GPEB Racing Officials monitor the condition of the racetrack and will make a determination not to race if there

are questions or concerns about the safety of the track and the impact to horses, jockeys and drivers.

D.

III. Further work to be undertaken by GPEB's Compliance Division

The Compliance Division is commencing further analysis into equine deaths at both tracks to verify that appropriate steps have been taken to reduce the risk. This analysis will look for:

- Any commonalities amongst the deaths.
- Contributing physical factors such as track and backstretch conditions.
- Actions of licensees that may be contributing to equine deaths.
- Whether horses are being raced more frequently than best practices dictate.
- Any existing rules that need to be strengthened.
- Any new rules or policies that GPEB needs to enact and enforce.

This work is expected to commence Q3 2023/24.

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Appendix A

EQUINE DEATH STATISTICS THOROUGHBREDS @ HASTINGS RACECOURSE

	2019	2020	2021	2022	2023	5 Year Totals	5 Year Average
Hastings Racecourse Starts	2,871	1,465	1,598	1,987	1,479	9,400	1,880
Racing Related Deaths @ Hastings ¹	3	2	1	0	2	8	1.6
% of Race Related Deaths per # of starts	0.10%	0.14%	0.06%	0.00%	0.14%	0.09%	0.09%
Ratio of race related deaths death per 1,000 starts @ Hastings	1.05	1.37	0.63	0.00	1.35	0.85	0.88
Industry Actual ²	1.53	1.41	1.39	1.25	n/a		
Training/Pre or Post Race Related Deaths ³	3	5	7	6	3	24	5.20
Natural Causes ⁴	2	0	2	2	2	8	1
All Deaths <i>(Racing, Training & Natural Causes)</i>	8	7	10	8	7	40	8

1. Deaths occurring during a live race – horse euthanized

2. From the Equine Injury Database

3. Deaths occurring either during training or pre/post racing – generally horse euthanized

4. Natural Causes – horse died of natural causes – not euthanized

EQUINE DEATH STATISTICS
STANDARDBREDS @ FRASER DOWNS RACETRACK

	2019	2020	2021	2022	2023	5 Year Total	5 Year Average
Fraser Downs Racetrack Starts	5,109	3,405	2,044	3,914	1,760	16,232	3,246
Race Related Deaths @ Fraser Downs ¹	1	4	1	0	0	6	1.2
% of Race Related Deaths per # of starts	0.02%	0.12%	0.05%	0.00%	0.00%	0.04%	0.04%
Ratio of race related deaths death per 1,000 starts @ Fraser Downs	0.20	1.17	0.49	0.00	0.00	0.37	0.37
Industry Actual ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Training/Pre or Post Race Related Deaths ³	5	1	1	1	1	9	1.80
Natural Causes ⁴	0	1	0	0	1	2	0
All Deaths (<i>Racing, Training & Natural Causes</i>)	6	6	2	1	2	17	3

1. Deaths occurring during a live race – horse euthanized

2. From the Equine Injury Database – *Not available for Standardbred*

3. Deaths occurring either during training or pre/post racing – generally horse euthanized

4. Natural Causes – horse died of natural causes – not euthanized

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