

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 24-10748
Exam Date: 06/01/2020

1. Current Owner:
SCOTT CARLISLE PO BOX 1266 AFTON WY 83110

2. Accompanied by: Scott Carlisle

3. **SOURCE:**
SPRING CREEK

Tributary
TYGEE CREEK

Method of Determination: Site visit, GPS point, and ArcMap aerial photography

B. OVERLAP REVIEW

1. Other water rights with the same place of use: No Overlap

This right is part of a fish hatchery and tourist resort known as Star Valley Trout Ranch. A house on the property is served by Domestic right 24-10740. The lodge and cabins comprising the resort are served by Commercial right 24-10772. Six large outdoor raceways located on the property are served by right 24-10747. This right serves the 20 small indoor raceways located inside the hatchery building.

2. Other water rights with the same point-of-diversion: Yes Overlap

Right 24-10747 also diverts from the same 10" pipe.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

SPRING CREEK SE¼ NW¼, Sec. 32, Twp 07S, Rge 46E, B.M. CARIBOU County

Method of Determination: Site visit, GPS point, and ArcMap aerial photography

PLACE OF USE: FISH PROPAGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
07S	46E	32	X			X													

Method of Determination: Site visit and ArcMap aerial photography

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X Aerial Photo Attached (required for irrigation of 10+ acres).

X Photo of Diversion and System Attached

4. Diversion Information

A 10" pipe in the channel of Spring Creek.

D. FLOW MEASUREMENTS

Measurement taken with a Flowtracker Handheld ADV instrument at the outlet of the fish hatchery.

A flow rate of 0.896 cfs was measured.

E. FLOW CALCULATIONS

 X Additional Computation Sheets Attached

The license will be limited to the permitted 0.50 cfs.

F. VOLUME CALCULATIONS

0.5 cfs * 1.9835 AF/day/cfs * 365.25 days/year = 362.3 AF/year

G. NARRATIVE/REMARKS/COMMENTS

This right is for 20 small indoor concrete raceways. The raceways are part of a fish hatchery operation. The operation is associated with Star Valley Trout Ranch. For more information, please review the "overlapping place of use" section.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
FISH PROPAGATION	01/01 to 12/31	0.50 CFS	362 AF
<u>Totals:</u>		0.50 CFS	362 AF

2. Recommended Amendments

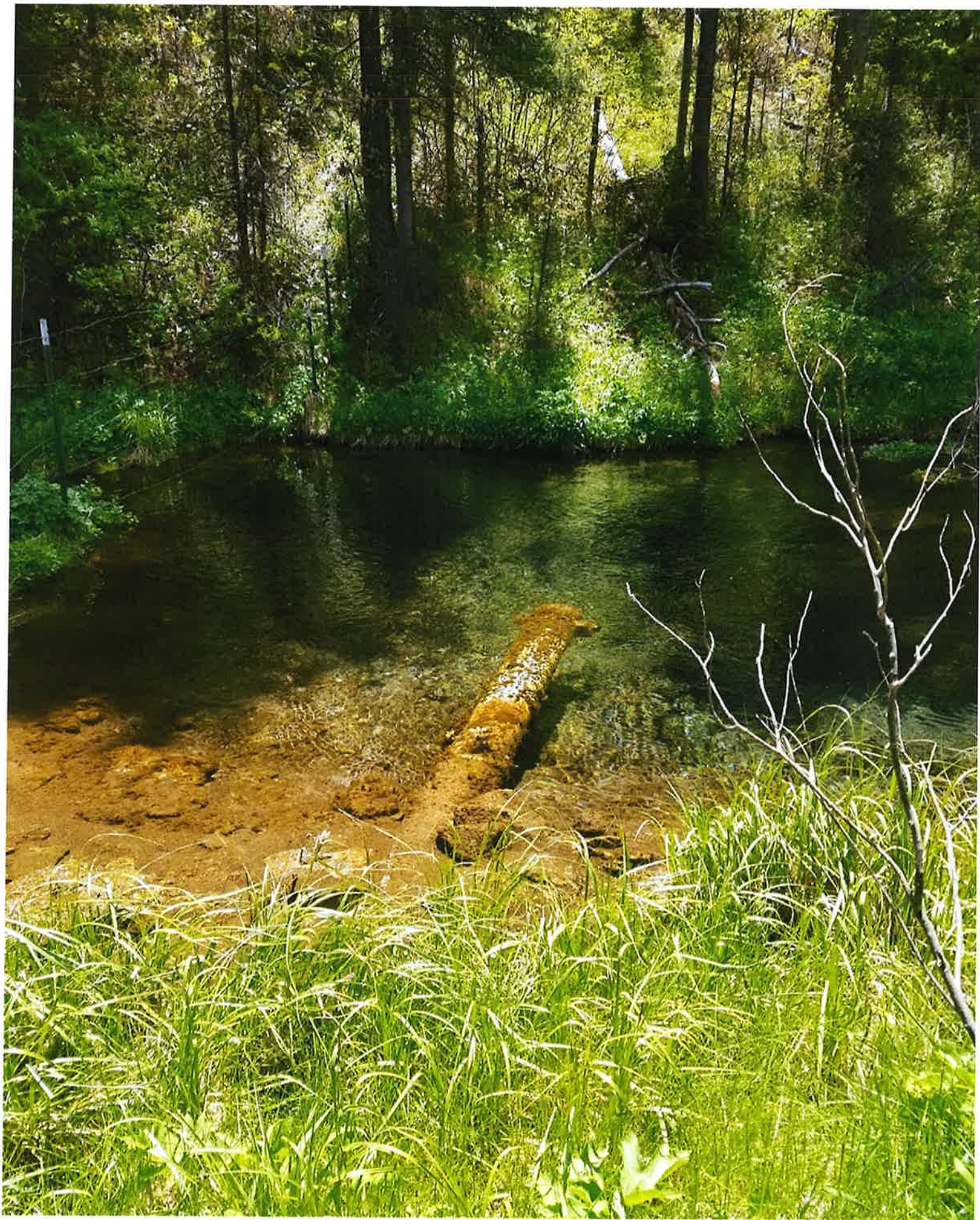
 Change P.D. as reflected above Add P.D. as reflected above X None

 Change P.U. as reflected above Add P.U. as reflected above X None

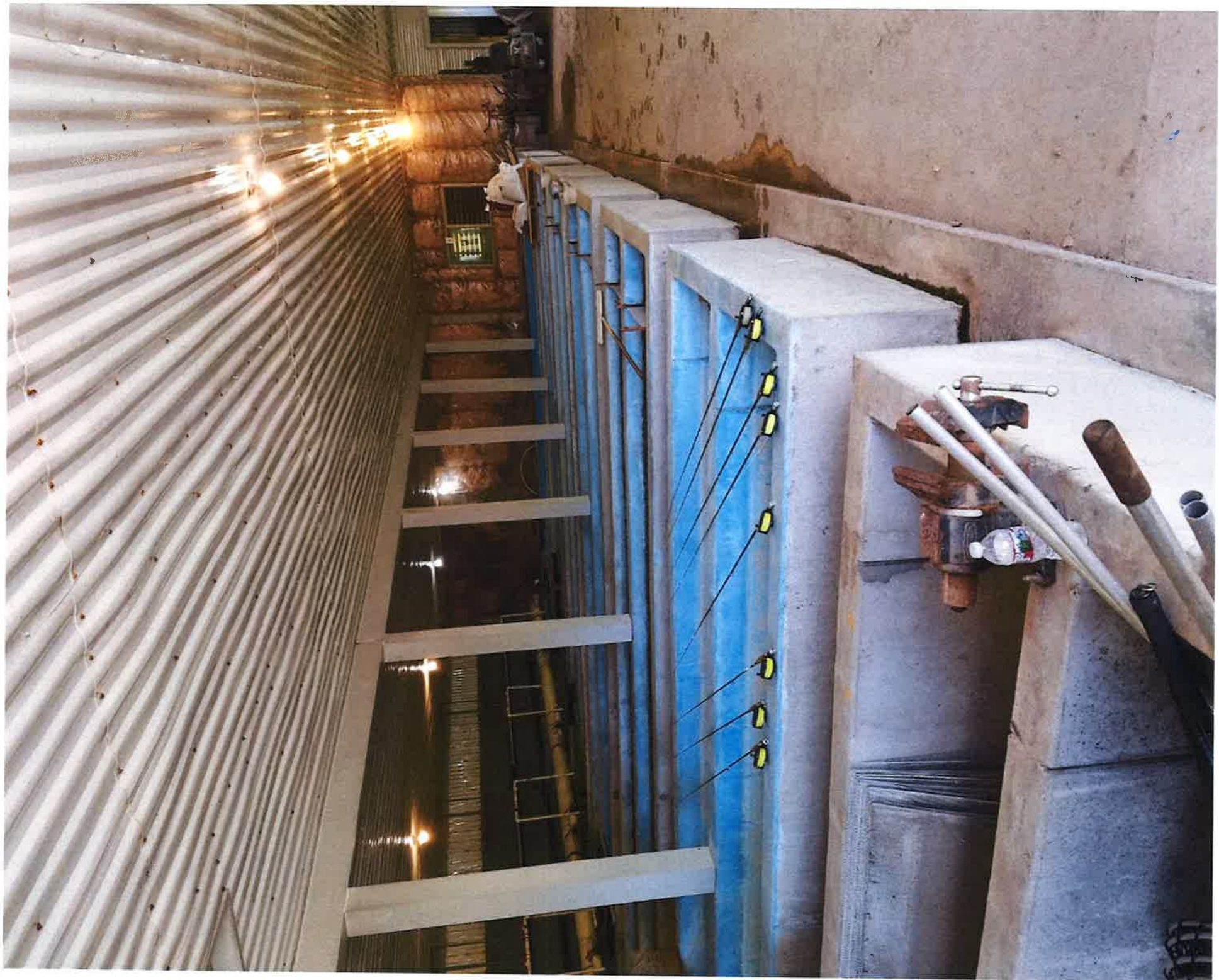
I. AUTHENTICATION Cooper Fritz - Water Resource Agent, Senior

Field Examiner's Name Cooper Fritz Date 1/22/2021

Reviewer Date







Discharge Measurement Summary				Date Generated: Fri Jan 22 2021																																																																																	
File Information File Name: HATCHBEL.WAD Start Date and Time: 2020/06/01 14:10:28				Site Details Site Name: Operator(s): CFRITZ																																																																																	
System Information Sensor Type: FlowTracker Serial #: P5851 CPU Firmware Version: 3.9 Software Ver: 2.30 Mounting Correction: 0.0%				Units (Metric Units) Distance: m Velocity: m/s Area: m ² Discharge: m ³ /s		Discharge Uncertainty <table border="1"> <thead> <tr> <th>Category</th> <th>ISO</th> <th>Stats</th> </tr> </thead> <tbody> <tr> <td>Accuracy</td> <td>1.0%</td> <td>1.0%</td> </tr> <tr> <td>Depth</td> <td>0.7%</td> <td>0.0%</td> </tr> <tr> <td>Velocity</td> <td>1.8%</td> <td>0.0%</td> </tr> <tr> <td>Width</td> <td>0.2%</td> <td>0.2%</td> </tr> <tr> <td>Method</td> <td>3.5%</td> <td>-</td> </tr> <tr> <td># Stations</td> <td>12.2%</td> <td>-</td> </tr> <tr> <td>Overall</td> <td>12.9%</td> <td>1.0%</td> </tr> </tbody> </table>		Category	ISO	Stats	Accuracy	1.0%	1.0%	Depth	0.7%	0.0%	Velocity	1.8%	0.0%	Width	0.2%	0.2%	Method	3.5%	-	# Stations	12.2%	-	Overall	12.9%	1.0%																																																						
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Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.																																																																																					

Discharge Measurement Summary

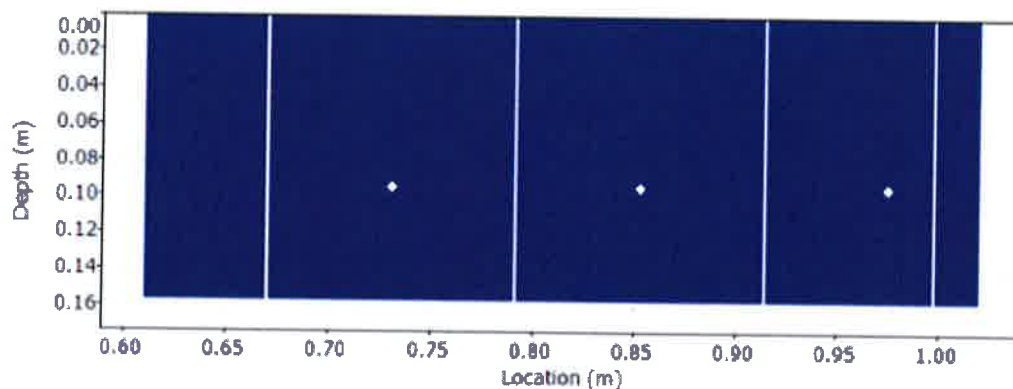
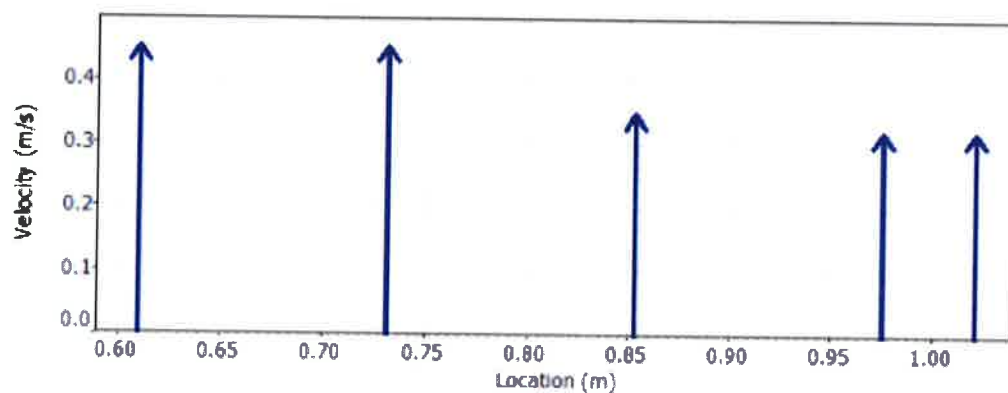
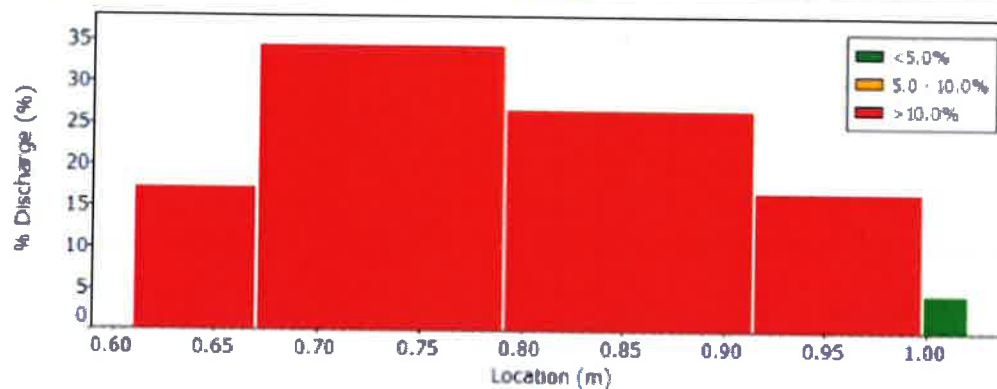
Date Generated: Fri Jan 22 2021

File Information

File Name HATCHBEL.WAD
Start Date and Time 2020/06/01 14:10:28

Site Details

Site Name
Operator(s) CFRITZ



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Start Date and Time 2020/06/01 14:10:28

Site Details

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Quality Control

St	Loc	%Dep	Message
1	0.73	0.6	High angles 21
2	0.85	0.6	High number of spikes: 5
		0.6	High angles 24
3	0.98	0.6	High angles 22
		0.6	High SNR variation during measurement: 9.9,10.8
		0.6	Boundary QC is Fair: possible boundary interference

24-10748 Place of Use and Point of Diversion at Licensing



0 0.075 0.15 0.3 Miles



