

To: Ryan Lindstone
CC: Mel Dundas
From: Sebastien Robitaille, Braden Trigg, Eric Samer, Kayleb Stetsko
Date: September 30th, 2023
Subject: Project FishWorks Week 5 Audit

MILESTONE	DATE	WEEK	EST. \$-BOM	EST. \$-LBR/RENT	EST. \$-TOTAL	TRUE \$-BOM	TRUE \$-LBR/RENT	TRUE \$-TOTAL	DELTA
Tank-SET UP	16-Sep-24	3	\$ 907.27	\$ 28,424.00	\$ 29,331.27	\$ 907.27	\$ 28,424.00	\$ 29,331.27	\$ -
Budget Audit	27-Sep-24	5	\$ 907.27	\$ 47,373.33	\$ 48,280.61	\$ 1,210.16	\$ 47,373.33	\$ 48,583.49	\$ 302.88
Node Controllers-BUILT	21-Oct-24	8	\$ 1,255.03	\$ 75,797.33	\$ 77,052.37			\$ -	
Base Stations-BUILT	28-Oct-24	9	\$ 1,630.67	\$ 85,272.00	\$ 86,902.67			\$ -	
Hardware Dev-COMplete	18-Nov-24	12	\$ 2,187.31	\$ 113,696.00	\$ 115,883.31			\$ -	
App Programming-COMplete	18-Nov-24	12	\$ 2,187.31	\$ 113,696.00	\$ 115,883.31			\$ -	
Functional Demo	2-Dec-24	14	\$ 2,267.59	\$ 132,645.33	\$ 134,912.93			\$ -	
Capstone Symposium	9-Dec-24	15	\$ 2,267.59	\$ 142,120.00	\$ 144,387.59			\$ -	
Total								\$ 48,583.49	\$ 302.88

We had planned on spending \$47,373.33 (Figure 1) on rent and labour, which has been accurate with no additional labour or facility expenses incurred as of this audit. Due to certain aspects of the development progressing faster than anticipated, we were required to purchase some components earlier than expected resulting in additional spending of \$302.88 (Figure 1).

LIVE AUDIT	
MEASURE	VALUE
Project Weeks	15
Earned Total	\$ 63,370.11
Planned Total	\$ 48,129.20
Actual Total	\$ 48,583.49
Cost Performance Index (ev/ac)	1.30
Schedule Performance Index (ev/pv)	1.32
Cost Variance (ev-ac)	\$ 14,786.62

Figure 2 – DSM Totals

As shown in Figure 2, our Cost Performance Index is 1.30, meaning that we are underbudget for the progress that we have made. Our schedule performance index at 1.31 reflecting that we are well ahead of schedule. Because of our accelerated progress, we currently have a Cost Variance of \$14,786.62.

In conclusion, we are in a positive place at the week 5 audit. Apart from having spent mildly more capital than we anticipated, we find ourselves well ahead of schedule with almost 15 thousand dollars of progress ahead of our planned schedule. We look forward to our 8th week audit, where we plan on being able to show our new Base Stations and Node Controllers functional as well as continued progress in many other aspects of the project

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Project Scope