

IGEM Grant Report

Progress (due January 1) Annual (due July 31) Final (due August 31)

IGEM Grant #: IGEM25-004

Principal Investigator: Kathleen Lohse

Submission Date: Dec 19, 2025

Primary Institution: Idaho State University

Name/Full Title: Demonstration of Soil Thickness and Carbon (STC) Method

Section 1: We are taking a proof of concept of a model predicting soil thickness and carbon stocks to demonstrate its utility across diverse terrains for commercial marketing. Our goals are as follows: 1) Conduct elevation terrain analysis to identify field areas across the contiguous United States, 2) Evaluate predicted soil thickness and carbon based on STC method to observed values, 3) Develop a demonstration model exhibiting use of method across diverse terrain and also identify limitations, and 4) Simultaneously conduct market research and develop a business plan.

Section 2: We have completed 13 out of 12-15 sites planned for sampling. We completed registering samples to SESAR database (n=1306). Patton accepted a Visiting Assistant Professor position at ISU so we hired full-time research specialist to be key personnel in processing and analyzing these samples in the lab. All soil samples are in the queue for carbon and isotope analysis to be completed by March. A subset of samples will be run for radiocarbon and other dating to be completed by July 1, 2026. Patton will produce reports and technical products in FY25. Patton developed a demonstration visualization model as a Google Earth layer/flight path and will improve this in FY25.

Section 3: Our 2nd yr budget is \$149,193. We have spent \$50,918.97 as of November 25th, 2025 and we project spending \$65,137 by January 1st, 2026, leaving \$84,055. We project to spend \$72,408 in salary, and the remaining funds on supplies, services, and travel. We have 3-5 trips planned in the spring in association with the STC method and meeting with project collaborators and potential partners.

Section 4: We have continued to engage with private sector and are working toward an industry partner. We applied for continuation of our patent, U.S. Patent No. 12,405,261, in August and received this. We registered our domain name as Grounded Technologies, and plan to create a legal business in 2026. We created two and half full time and two temporary positions.

Section 5: Two faculty (Lohse, Patton), 1.5 research specialists, and 2-4 students have participated. Students and staff have been involved in field collections, processing samples, and analyzing them for soil carbon and other properties

Section 6: We have applied for the IGEN FY27 innovation track project but the pre-proposal was rejected; therefore, we plan to submit a SEED grant to NSF. We will attend a geophysics conference in Spring 2026 to interact with potential industry partners.

Section 7: Expenditure Report –

Acct	Title	Annual Budget	Nov-2025 YTD Actual	Encumbrances	Planned but not charged yet	January 1st, 2026 Balance
Operating Expenses						
610	Salaries	-8,204.00	23,741.97	31,954.78	3827	-19,364.97
620	Irregular Help	-69,167.00	3,600.00	0.00	500	65,067.00
630	Fringe Benefits	-11,684.00	7,949.28	10,640.94	1280	2,454.72
	Subtotal	-89,055.00	35,291.25	42,595.72	5,607.00	48,156.75
Operating Expenses						
700	Travel	-24,000.00	11,338.93	0.00	0	12,661.07
720	Services	-6,138.00	3,008.96	2,012.58	6600	-5,483.54
730	Supplies	-30,000.00	1,279.03	0.00	0	28,720.97
	Subtotal	-60,138.00	15,626.92	2,012.58	6,600.00	35,898.50
	Total All Expenses	149,193.00	50,918.17	44,608.30	12,207.00	84,055.25



Idaho State University

Transaction Detail - FOAPAL Lookup (Actuals)

(Data as of 11-25-2025 05:03:54 AM)

Chart = 9 | Index = AHRC51 | Fund = 110000 ISU General Clearing | Orgn = 630051 IGEM Demo of STC Method | Acct <> 8951 Administrative Recovery Assessment | Prog = 04ORO Organized Research on Campus | Acct Type = 60:70 | Fiscal Period From = Jul-2025 (Closed) | Fiscal Period To = Current Fiscal Year / Current Period

Index	Fund	Orgn	Acct	Acct Title	Prog	Actv	Locn	Rucl	Tran Date	Actv Date	User ID	Document	Description	PO #	Inv./Ref. #	Chk. #	Chk Date	Amount
AHRC51	110000	630051	6310	Fringe Allocation	04ORO			HFNL	21-Nov-2025	14-Nov-2025	JESSICAFR ECKLETON	F0060407	HR Payroll 2025 BW 24 0					640.06
AHRC51	110000	630051	6204	Student Non-Work Study	04ORO			HGNL	21-Nov-2025	14-Nov-2025	JESSICAFR ECKLETON	F0060406	HR Payroll 2025 BW 24 0					240.00
AHRC51	110000	630051	6102	Professional Salaries	04ORO			HGNL	21-Nov-2025	14-Nov-2025	JESSICAFR ECKLETON	F0060406	HR Payroll 2025 BW 24 0					1,913.46
AHRC51	110000	630051	7371	Lab Supplies/Lab Equip LT \$300/item	04ORO			JE16	17-Nov-2025	17-Nov-2025	JONEMI17	FJ002244	Jaggaer Amazon PO 177238068					66.54
AHRC51	110000	630051	6310	Fringe Allocation	04ORO			HFNL	07-Nov-2025	31-Oct-2025	JESSICAFR ECKLETON	F0060295	HR Payroll 2025 BW 23 0					640.24
AHRC51	110000	630051	6102	Professional Salaries	04ORO			HGNL	07-Nov-2025	31-Oct-2025	JESSICAFR ECKLETON	F0060294	HR Payroll 2025 BW 23 0					1,913.46
AHRC51	110000	630051	6204	Student Non-Work Study	04ORO			HGNL	07-Nov-2025	31-Oct-2025	JESSICAFR ECKLETON	F0060294	HR Payroll 2025 BW 23 0					255.00
AHRC51	110000	630051	6310	Fringe Allocation	04ORO			HFNL	24-Oct-2025	16-Oct-2025	JESSICAFR ECKLETON	F0060149	HR Payroll 2025 BW 22 0					640.42
AHRC51	110000	630051	6102	Professional Salaries	04ORO			HGNL	24-Oct-2025	16-Oct-2025	JESSICAFR ECKLETON	F0060148	HR Payroll 2025 BW 22 0					1,913.46
AHRC51	110000	630051	6204	Student Non-Work Study	04ORO			HGNL	24-Oct-2025	16-Oct-2025	JESSICAFR ECKLETON	F0060148	HR Payroll 2025 BW 22 0					270.00
AHRC51	110000	630051	7371	Lab Supplies/Lab Equip LT \$300/item	04ORO			INNI	16-Oct-2025	16-Oct-2025	COWEBENJ	TR190353	Wuthrich, Krisann Aurora.		0100773948 ! 81	005064 0	16-Oct-2025	10.90
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AHRC51	110000	630051	6102	Professional Salaries	04ORO			HGNL	10-Oct-2025	03-Oct-2025	JESSICAFR ECKLETON	F0060039	HR Payroll 2025 BW 21 0					2,296.15
AHRC51	110000	630051	6204	Student Non-Work Study	04ORO			HGNL	10-Oct-2025	03-Oct-2025	JESSICAFR ECKLETON	F0060039	HR Payroll 2025 BW 21 0					255.00
AHRC51	110000	630051	7371	Lab Supplies/Lab Equip LT \$300/item	04ORO			JE16	01-Oct-2025	01-Oct-2025	JONEMI17	FJ001831	Jaggaer Fisher PO 174748993					199.70
AHRC51	110000	630051	6310	Fringe Allocation	04ORO			HFNL	26-Sep-2025	19-Sep-2025	JESSICAFR ECKLETON	F0059926	HR Payroll 2025 BW 20 0					796.48
AHRC51	110000	630051	6102	Professional Salaries	04ORO			HGNL	26-Sep-2025	19-Sep-2025	JESSICAFR ECKLETON	F0059925	HR Payroll 2025 BW 20 0					2,391.83
AHRC51	110000	630051	6310	Fringe Allocation	04ORO			HFNL	12-Sep-2025	08-Sep-2025	JESSICAFR ECKLETON	F0059805	HR Payroll 2025 BW 19 0					803.68
AHRC51	110000	630051	6102	Professional Salaries	04ORO			HGNL	12-Sep-2025	08-Sep-2025	JESSICAFR ECKLETON	F0059804	HR Payroll 2025 BW 19 0					2,391.83
AHRC51	110000	630051	6204	Student Non-Work Study	04ORO			HGNL	12-Sep-2025	08-Sep-2025	JESSICAFR ECKLETON	F0059804	HR Payroll 2025 BW 19 0					600.00
AHRC51	110000	630051	7311	Office Supplies-Consumable Only	04ORO			INNI	09-Sep-2025	09-Sep-2025	COWEBENJ	TR189797	Wuthrich, Krisann Aurora.		0100765943 ! 47	004982 2	11-Sep-2025	13.77
AHRC51	110000	630051	7271	Freight/Shipping	04ORO			PCD	02-Sep-2025	02-Sep-2025	MAYEMARC	BA000724	FEDEX39771507 COFFJACQ		6155598			176.97
AHRC51	110000	630051	6102	Professional Salaries	04ORO			HGNL	29-Aug-2025	22-Aug-2025	JJPEREIRA	F0059678	HR Payroll 2025 BW 18 0					2,391.83
AHRC51	110000	630051	6204	Student Non-Work Study	04ORO			HGNL	29-Aug-2025	22-Aug-2025	JJPEREIRA	F0059678	HR Payroll 2025 BW 18 0					640.00
AHRC51	110000	630051	6310	Fringe Allocation	04ORO			HFNL	29-Aug-2025	22-Aug-2025	JJPEREIRA	F0059678	HR Payroll 2025 BW 18 0					804.16
AHRC51	110000	630051	7371	Lab Supplies/Lab Equip LT \$300/item	04ORO			JE16	27-Aug-2025	27-Aug-2025	JONEMI17	FJ001607	Jaggaer Amazon PO 174084728					140.99

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AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	20-Aug-2025	20-Aug-2025	BANWORX	TR189549	Lohse, Kathleen A.		0100762242 ! 38	004931 4	20-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	20-Aug-2025	20-Aug-2025	BANWORX	TR189549	Lohse, Kathleen A.		0100762242 ! 38	004931 4	20-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	20-Aug-2025	20-Aug-2025	BANWORX	TR189549	Lohse, Kathleen A.		0100762242 ! 38	004931 4	20-Aug-2025	86.00
AHRC51	110000	630051	7017	Rental Vehicles- Out-of-State Travel	04ORO			INNI	20-Aug-2025	20-Aug-2025	BANWORX	TR189549	Lohse, Kathleen A.		0100762242 ! 38	004931 4	20-Aug-2025	604.09
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	20-Aug-2025	20-Aug-2025	BANWORX	TR189549	Lohse, Kathleen A.		0100762242 ! 38	004931 4	20-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	20-Aug-2025	20-Aug-2025	BANWORX	TR189549	Lohse, Kathleen A.		0100762242 ! 38	004931 4	20-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	20-Aug-2025	20-Aug-2025	BANWORX	TR189549	Lohse, Kathleen A.		0100762242 ! 38	004931 4	20-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	20-Aug-2025	20-Aug-2025	BANWORX	TR189549	Lohse, Kathleen A.		0100762242 ! 38	004931 4	20-Aug-2025	86.00
AHRC51	110000	630051	7022	Airfare-Out of State	04ORO			ITX	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	608.59
AHRC51	110000	630051	7022	Airfare-Out of State	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	90.00
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AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			ITX	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	297.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			ITX	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	2,768.88
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	68.00
AHRC51	110000	630051	7015G	Rental Vehicles Misc--In-State	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	27.40
AHRC51	110000	630051	7017	Rental Vehicles- Out-of-State Travel	04ORO			ITX	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	710.95
AHRC51	110000	630051	7014	Private Auto-Out of State Travel	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	231.66
AHRC51	110000	630051	7017G	Rental Vehicles Misc Out-of-State	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	17.68
AHRC51	110000	630051	7017G	Rental Vehicles Misc Out-of-State	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	60.55
AHRC51	110000	630051	7017G	Rental Vehicles Misc Out-of-State	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923 9	19-Aug-2025	96.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	004923	19-Aug-2025	68.00

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AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	9 004923	19-Aug-2025	68.00
AHRC51	110000	630051	7017G	Rental Vehicles Misc Out-of-State	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	9 004923	19-Aug-2025	52.36
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	9 004923	19-Aug-2025	68.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	9 004923	19-Aug-2025	68.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	9 004923	19-Aug-2025	68.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	9 004923	19-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	9 004923	19-Aug-2025	86.00
AHRC51	110000	630051	7372	Field Supply/Equip forResearch<\$300	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	9 004923	19-Aug-2025	14.95
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AHRC51	110000	630051	7372	Field Supply/Equip forResearch<\$300	04ORO			INNI	18-Aug-2025	18-Aug-2025	COWEBENJ	TR189516	Patton, Nicholas Ross.		0100756367 ! 51	9 004923	19-Aug-2025	36.71
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AHRC51	110000	630051	7034	Subsistence-In State Travel	04ORO			INNI	15-Aug-2025	15-Aug-2025	BANWORX	TR189498	Hart, Keanna Jade.		0100761018 48	701249 48	19-Aug-2025	58.00
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AHRC51	110000	630051	7034	Subsistence-In State Travel	04ORO			INNI	15-Aug-2025	15-Aug-2025	BANWORX	TR189498	Hart, Keanna Jade.		0100761018 48	701249 48	19-Aug-2025	58.00
AHRC51	110000	630051	7034	Subsistence-In State Travel	04ORO			INNI	15-Aug-2025	15-Aug-2025	BANWORX	TR189498	Hart, Keanna Jade.		0100761018 48	701249 48	19-Aug-2025	58.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	15-Aug-2025	15-Aug-2025	BANWORX	TR189497	Hart, Keanna Jade.		0100756367 52	701249 48	19-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	15-Aug-2025	15-Aug-2025	BANWORX	TR189497	Hart, Keanna Jade.		0100756367 52	701249 48	19-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	15-Aug-2025	15-Aug-2025	BANWORX	TR189497	Hart, Keanna Jade.		0100756367 52	701249 48	19-Aug-2025	68.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	15-Aug-2025	15-Aug-2025	BANWORX	TR189497	Hart, Keanna Jade.		0100756367 52	701249 48	19-Aug-2025	68.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	15-Aug-2025	15-Aug-2025	BANWORX	TR189497	Hart, Keanna Jade.		0100756367 52	701249 48	19-Aug-2025	68.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	15-Aug-2025	15-Aug-2025	BANWORX	TR189497	Hart, Keanna Jade.		0100756367 52	701249 48	19-Aug-2025	68.00
AHRC51	110000	630051	7022	Airfare-Out of State	04ORO			ITX	15-Aug-2025	15-Aug-2025	BANWORX	TR189497	Hart, Keanna Jade.		0100756367 52	701249 48	19-Aug-2025	608.59
AHRC51	110000	630051	6310	Fringe Allocation	04ORO			HFNL	15-Aug-2025	11-Aug-2025	JESSICAFR	F0059509	HR Payroll 2025 BW 17 0					1,189.29

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AHRC51	110000	630051	6204	Student Non-Work Study	04ORO			HGNL	15-Aug-2025	11-Aug-2025	ECKLETON JESSICAFR	F0059508	HR Payroll 2025 BW 17 0					480.00
AHRC51	110000	630051	7371	Lab Supplies/Lab Equip LT \$300/item	04ORO			PCD	12-Aug-2025	12-Aug-2025	MAYEMARC	BA000721	MARKFORGED - 3D PRINTI HARRSTEP		6128312			412.98
AHRC51	110000	630051	7271	Freight/Shipping	04ORO			PCD	12-Aug-2025	12-Aug-2025	MAYEMARC	BA000721	MARKFORGED - 3D PRINTI HARRSTEP		6128313			45.02
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AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	08-Aug-2025	08-Aug-2025	BANWORX	TR189397	Kerner, Patricia B.		0100758833 ! 31	004905 2	12-Aug-2025	68.00
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AHRC51	110000	630051	7022	Airfare-Out of State	04ORO			INNI	08-Aug-2025	08-Aug-2025	BANWORX	TR189397	Kerner, Patricia B.		0100758833 ! 31	004905 2	12-Aug-2025	40.00
AHRC51	110000	630051	7022	Airfare-Out of State	04ORO			INNI	08-Aug-2025	08-Aug-2025	BANWORX	TR189397	Kerner, Patricia B.		0100758833 ! 31	004905 2	12-Aug-2025	40.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	08-Aug-2025	08-Aug-2025	BANWORX	TR189397	Kerner, Patricia B.		0100758833 ! 31	004905 2	12-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	08-Aug-2025	08-Aug-2025	BANWORX	TR189397	Kerner, Patricia B.		0100758833 ! 31	004905 2	12-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			ITX	08-Aug-2025	08-Aug-2025	BANWORX	TR189397	Kerner, Patricia B.		0100758833 ! 31	004905 2	12-Aug-2025	297.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	08-Aug-2025	08-Aug-2025	BANWORX	TR189397	Kerner, Patricia B.		0100758833 ! 31	004905 2	12-Aug-2025	68.00
AHRC51	110000	630051	7371	Lab Supplies/Lab Equip LT \$300/item	04ORO			INNI	08-Aug-2025	08-Aug-2025	BANWORX	TR189391	Wuthrich, Krisann Aurora.		0100758836 ! 65	004908 6	12-Aug-2025	15.89
AHRC51	110000	630051	7333	Computer,Printer Supply (not equip)	04ORO			JE16	08-Aug-2025	12-Aug-2025	JONEMI17	FJ001523	Jaggaer Amazon PO 172675688					39.99
AHRC51	110000	630051	7372	Field Supply/Equip forResearch<\$300	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189329	Patton, Nicholas Ross.		0100758451 ! 47	004893 3	05-Aug-2025	106.01
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			ITX	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	004895 3	05-Aug-2025	297.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	004895 3	05-Aug-2025	68.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	004895	05-Aug-2025	68.00

Index	Fund	Orgn	Acct	Acct Title	Prog	Actv	Locn	Rucl	Tran Date	Actv Date	User ID	Document	Description	PO #	Inv./Ref. #	Chk. #	Chk Date	Amount
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	68.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	68.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	68.00
AHRC51	110000	630051	7372	Field Supply/Equip forResearch<\$300	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	7.41
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	86.00
AHRC51	110000	630051	7022	Airfare-Out of State	04ORO			ITX	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	608.59
AHRC51	110000	630051	7022	Airfare-Out of State	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	40.00
AHRC51	110000	630051	7022	Airfare-Out of State	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	40.00
AHRC51	110000	630051	7372	Field Supply/Equip forResearch<\$300	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	2.11
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	86.00
AHRC51	110000	630051	7036	Subsistence-Out of State Travel	04ORO			INNI	04-Aug-2025	04-Aug-2025	BANWORX	TR189328	Wuthrich, Krisann Aurora.		0100758493 ! 52	3 004895	05-Aug-2025	68.00
AHRC51	110000	630051	6310	Fringe Allocation	04ORO			HFNL	01-Aug-2025	25-Jul-2025	JESSICAFR ECKLETON	F0059400	HR Payroll 2025 BW 16 0					1,191.21
AHRC51	110000	630051	6204	Student Non-Work Study	04ORO			HGNL	01-Aug-2025	24-Jul-2025	JESSICAFR ECKLETON	F0059399	HR Payroll 2025 BW 16 0					640.00
AHRC51	110000	630051	6102	Professional Salaries	04ORO			HGNL	01-Aug-2025	24-Jul-2025	JESSICAFR ECKLETON	F0059399	HR Payroll 2025 BW 16 0					3,554.15
AHRC51	110000	630051	7372	Field Supply/Equip forResearch<\$300	04ORO			PCD	29-Jul-2025	29-Jul-2025	MAYEMARC	BA000719	SP ASC SCIENTIFIC CRUPJOSE		6116608			64.00
AHRC51	110000	630051	7271	Freight/Shipping	04ORO			PCD	29-Jul-2025	29-Jul-2025	MAYEMARC	BA000719	SP ASC SCIENTIFIC CRUPJOSE		6116609			16.59
AHRC51	110000	630051	7372	Field Supply/Equip forResearch<\$300	04ORO			PCD	29-Jul-2025	29-Jul-2025	MAYEMARC	BA000719	SP ASC SCIENTIFIC CRUPJOSE		6116607			66.00
AHRC51	110000	630051	6310	Fringe Allocation	04ORO			HFNL	18-Jul-2025	11-Jul-2025	JJPEREIRA	F0059268	HR Payroll 2025 BW 15 0					476.06
AHRC51	110000	630051	6102	Professional Salaries	04ORO			HGNL	18-Jul-2025	11-Jul-2025	JJPEREIRA	F0059267	HR Payroll 2025 BW 15 0					1,421.65
AHRC51	110000	630051	6204	Student Non-Work Study	04ORO			HGNL	18-Jul-2025	11-Jul-2025	JJPEREIRA	F0059267	HR Payroll 2025 BW 15 0					220.00
AHRC51	110000	630051	7271	Freight/Shipping	04ORO			PCD	15-Jul-2025	15-Jul-2025	MAYEMARC	BA000716	FEDEX38374033 COFFJACQ		6102396			250.38
AHRC51	110000	630051	7226	Testing/Sampling/Inspecting Service	04ORO			IDS	07-Jul-2025	14-Jul-2025	TROEBREE	FJ001304	Isotopic and Elemental Analysis					2,520.00
																		50,918.17