

# MEETING NOTICE Truckee Meadows Stormwater Permit Coordinating Committee

DATE: September 23, 2021

TIME: 9:15 am

PLACE: City of Reno, City Hall

6<sup>th</sup> Floor Large Conference Room

One East 1st Street (There is parking available in

Reno, NV 89501 Parking Garage above the First Floor)

### **Members**

Kevin Porter, Chair

Theresa Jones Cody McDougall James Pehrson Jennifer Heeran Walter West

# **Public Notice**

This agenda has been physically posted in compliance with NRS 241.020(3)(notice of meetings) at Reno City Hall – 1 East First Street, Washoe County Administration Building – 1001 East 9<sup>th</sup> Street and Sparks City Hall – 431 Prater Way. In addition, this agenda has been electronically posted in compliance with NRS 241.020(3) at http://www.reno.gov, and NRS 232.2175 at https://notice.nv.gov/. To obtain further documentation regarding posting, please contact Tara Aufiero at <a href="mailto:aufierot@reno.gov">aufierot@reno.gov</a>.

## **Accommodations**

Reasonable efforts will be made to assist and accommodate individuals with disabilities attending the meeting. Please contact Tara Aufiero at (775) 333-7751 at least 48 hours in advance so that arrangements can be made.

# **Supporting Materials**

Staff reports and supporting material for the meeting are available by contacting Tara Aufiero at (775) 333-7751 or aufeirot@reno.gov and on the City's website at Reno.Gov. Pursuant to NRS 241.020(6), supporting material is made available to the general public at the same time it is provided to the public body.

## Order of Business

The presiding officer shall determine the order of the agenda and all questions of parliamentary procedure at the meeting. Items on the agenda may be taken out of order. The public body may combine two or more agenda items for consideration; remove an item from the agenda; or delay discussion relating to an item on the agenda at any time. See, NRS 241.020(2)(c)(6). Items scheduled to be heard at a specific time will be heard no earlier than the stated time, but may be heard later.

# **Public Comment**

Public comment, whether on items listed on the agenda or general public comment, is limited to three (3) minutes per person. Unused time may not be reserved by the speaker, nor allocated to another speaker. No action may be taken on a matter raised under general public comment until the matter is included on an agenda as an item on

which action may be taken. The presiding officer may prohibit comment if the content of comments is a topic that is not relevant to, or within the authority of, the public body, or if the content is willfully disruptive of the meeting by being irrelevant, repetitious, slanderous, offensive, inflammatory, irrational or amounting to personal attacks or interfering with the rights of other speakers. Any person making willfully disruptive remarks while addressing the public body or while attending the meeting may be removed from the room by the presiding officer, See, NRS 241.030(4)(a), and the person may be barred from further audience before the public body during that session. See, Nevada Attorney General Opinion No. 00-047 (April 27, 2001); *Nevada Open Meeting Law Manual*, § 8.05. Examples of disruptive conduct include, without limitation, yelling, stamping of feet, whistles, applause, heckling, name calling, use of profanity, personal attacks, physical intimidation, threatening use of physical force, assault, battery, or any other acts intended to impede the meeting or infringe on the rights of the public body or meeting participants.

## A. Introductory Items

- A.1 Call To Order/Roll Call
- **A.2** Public Comment This item is for either public comment on any action item or for any general public comment and is limited to no more than three (3) minutes for each commentator.
- A.3 Approval of The Agenda (For Possible Action) September 23, 2021
- A.4 Approval Of The Minutes (For Possible Action) August 26, 2021

### **B.** Business Items

- **B.1** Review and possible approval for payment of below invoice. The City will pay the invoices and seek 75% reimbursement from the Water Management Fund from the Western Regional Water Commission and 25% reimbursement from the Nevada Department of Transportation per the Interlocal Agreements. (For Possible Action)
  - i) Balance Invoice # 213136-0821, dated September 3, 2021, in the amount of \$28,501.59 related to Stormwater Monitoring for FY21/22.
- **B.2** Review and possible approval for payment of below invoices and receipt. The City will seek reimbursement from the Water Management Fund from the Western Regional Water Commission per the Interlocal Agreement. (For Possible Action)
  - i) SoSuTV Invoice, dated September 11, 2021, in the amount of \$400, for editing the video recording of the June 2021 Truckee Meadows Structure Controls and LID Manual Training.
- **B.3** Review, discussion and possible selection of proposed migration of content management and maintenance of Truckee River Info Gateway (TRIG) website to One Truckee River (OTR) in partnership with the Truckee Meadows Regional Planning Agency (TMRPA). (For Possible Action)
- **B.4** Review, discussion and possible selection of proposed scope of work for the 2021 Watershed Assessment on Tributaries to the Truckee River. (For Possible Action)
- **B.5** Review and possible approval of Office Depot printing services, to be billed in an amount not to exceed \$450, for 500 Spanish-version trifold pamphlets, for distribution to the various agencies and offices through Truckee Meadows. (For Possible Action)

# A. Standing Agenda Items (Not For Action)

- C.1 Update on Stormwater Management Program activities including but not limited to Construction, Industrial, Monitoring, Public Outreach, Maintenance, IDDE, and Post Construction elements in support of the Truckee Meadows Storm Water Program.
  - (a) Homeowners Association (HOA) Stormwater Education Training presentation outreach plan
- **C.2** Update on Nevada Division of Environmental Protection's activities regarding federal, state, and local matters.
- **C.3** Update on Nevada Department of Transportation activities regarding MS4 activities.
- **C.4** Updates on grants and funding opportunities and projects, public presentations, volunteer opportunities and events, trainings, workshops, and conferences.
  - (a) Storm Drain Stenciling during KTMB's Truckee River Cleanup September 25, 2021
  - (b) KTMB Teacher Training Saturday, October 16, 2021
- **D.** Discussion and possible direction on setting the next regular meeting for October 21, 2021 in the in 6<sup>th</sup> Floor Conference Room at 9:15 a.m. (For Possible Action).
- **E.** Public Comment This is for general public comment limited to items that do not appear on the agenda and is limited to no more than three (3) minutes for each commentator.
- **F.** Adjournment (For Possible Action)

# MEETING MINUTES TRUCKEE MEADOWS STORMWATER PERMIT COORDINATING COMMITTEE

# Thursday, August 26, 2021

The regular meeting of the Truckee Meadows Storm Water Permit Coordinating Committee (SWPCC) was held at the City Hall 6<sup>th</sup> Floor Large Conference Room, One East 1<sup>st</sup> Street, Reno, Nevada and conducted the following business:

# A. Introductory Items

# A.1 Call to Order/Roll Call

The meeting was called to order by Member West at 9:15 a.m. and a quorum was present.

Members Present: Kevin Porter, Chair (by phone); Cody McDougall; James Pehrson; Walter West

Members Absent: Theresa Jones, SWPCC Coordinator; Jennifer Heeran

Staff and Guests Present: Susan Ball Rothe, Legal Counsel; Daniel Moss, City of Reno Project Coordinator; Iris Jehle Peppard, One Truckee River; Timber Weiss, Washoe County

# A.2 Public Comment

None

# **A.3** Approval of Agenda (For Possible Action) - August 26, 2021

MEMBER MCDOUGALL MADE A MOTION TO APPROVE THE AGENDA, SECONDED BY MEMBER WEST. THE MOTION CARRIED UNANIMOUSLY WITH FOUR (4) MEMBERS PRESENT.

# **A.4** Approval of the Minutes (For Possible Action) - July 22, 2021

CHAIR PORTER MADE A MOTION TO APPROVE THE MEETING MINUTES, SECONDED BY MEMBER MCDOUGALL. THE MOTION CARRIED UNANIMOUSLY WITH FOUR (4) MEMBERS PRESENT.

# **B.** Business Items

# B.1 Review, discussion and possible approval of proposed Homeowners Association (HOA) Stormwater Education Training outline. (For Possible Action)

Daniel Moss, City of Reno Project Coordinator, presented information on the training outline. This training in intended to be presented to HOA Boards.

Member West stated he liked the last LID training we did with Cardno and suggested making this training available digitally online and directing people to that in addition to any training that is done in person.

Iris Jehle Peppard, One Truckee River, stated the Truckee River Fund approved funding for eight presentations.

Member McDougall asked if there is any idea what interest there is in this training.

SWPCC Meeting Minutes August 26, 2021 Page 2 of 3

Mr. Moss stated they have not done the outreach process yet. We are hoping to get this started in late fall.

Mr. Jehle Peppard suggested looking at water quality data to identify the eight most critical HOAs to reach out to for in person training sessions.

Mr. Moss suggested recording a condensed presentation that we could suggest to HOAs that they show during one of their board meetings.

Susan Ball Rothe, Legal Counsel, stated that targeting their maintenance groups would help with the common areas.

There was discussion regarding the issue of after-market landscaping and stockpiles being left in the road.

Mr. Moss stated he will come up with a much more concrete outreach plan and bring it back to the SWPCC.

# **B.2** Review and discussion of proposed Spanish translation of Stormwater Education Pamphlet, and distribution plan. (For Possible Action)

Mr. Moss distributed copies of the English version of the pamphlet. A Spanish version would be very useful for the demographic we are trying to target. It will cost another \$300.

Member West stated he things it's a good idea.

MEMBER MCDOUGALL MADE A MOTION TO APPROVE A SPANISH VERSION OF THE STORMWATER EDUCATION PAMPHLET FOR DISTRIBUTION, SECONDED BY MEMBER PEHRSON. THE MOTION CARRIED UNANIMOUSLY WITH FOUR (4) MEMBERS PRESENT.

# C. Standing Agenda Items (Not For Action)

- C.1 Update on Stormwater Management Program activities including but not limited to Construction, Industrial, Monitoring, Public Outreach, Maintenance, IDDE, and Post Construction elements in support of the Truckee Meadows Stormwater Program.
  - (a) Truckee River Info Gateway (TRIG) website migration
  - (b) Stormwater Education Pamphlet printed
  - (c) Aiding Keep Truckee Meadows Beautiful (KTMB) develop Next Generation Science Standards (NGS) curriculum

Mr. Moss reported that the TRIG website migration is going well. When we come up with a budget and what the plan would be, we will bring it back for approval by SWPCC. He also reported that KTMB has reached out to him to help them develop their NGS curriculum for their classroom presentations.

# C.2 Update on Nevada Division of Environmental Protection's activities regarding federal, state, and local matters.

No update presented.

# C.3 Update on Nevada Department of Transportation activities regarding MS4 activities.

No update presented.

- C.4 Updates on grants and funding opportunities and projects, public presentations, volunteer opportunities and events, trainings, workshops, and conferences.
  - (a) KTMB Teacher Training Saturday, October 16, 2021

Mr. Moss reported that the KTMB Teacher Training is coming up. They teach watershed fundamentals to teachers so they can incorporate this education into their classrooms. Mr. Moss will be helping present the watershed education component to the teachers.

D. Discussion and possible direction on setting the next regular meeting for September 23, 2021 in the 6<sup>th</sup> Floor Conference Room at 9:15 a.m. (For Possible Action)

The next regular meeting date was confirmed for September 23, 2021 at 9:15 a.m.

# E. Public Comment

None

F. Adjournment (For Possible Action)

The meeting was adjourned at 9:44 a.m.

Respectfully submitted by, Christine Birmingham, Recording Secretary



800 Bancroft Way • Suite 101 • Berkeley, CA 94710 • (510) 704-1000 www.balancehydro.com • email: office@balancehydro.com

# Invoice

Theresa Jones City of Reno

1 East First Street 7th Floor Reno, NV 89501

Terms: Due Upon Receipt

Invoice # <u>Date</u> **Amount Due** 213136-0821 09/03/21 \$ 28,501.59

Project Manager: Benjamin Trustman

Project Number: 213136:Ph8

Job Description: City of Reno Stormwater

Billing Through: 08/21/21

Contract/PO#:

SUMMARY OF CHARGES		Amount
01 Data Analysis and Annual Report (FY2021)		\$20,195.00
02 Stormwater Sampling		\$1,890.00
03 Tributary Ambient Sampling (2x)		\$2,310.00
04 Streamflow gaging (5 gages)		\$3,220.00
06 Project Management and Correspondence		\$335.00
Expenses		\$551.59
	Amount Due This Invoice:	\$28,501.59



# Invoice

<u>Invoice # Date Amount Due</u> 213136-0821 09/03/21 **\$ 28,501.59** 

Project Manager: Benjamin Trustman

Project Number: 213136:Ph8

Job Description: City of Reno Stormwater

Billing Through: 08/21/21

Contract/PO#:

City of Reno 1 East First Street 7th Floor

Reno, NV 89501

Theresa Jones

Terms: Due Upon Receipt

Task 1. Data Analysis and Annual Report (FY2021)

- 1) Monitoring station data FY2021 update for Boynton Slough, South Evans Creek, Thomas Creek and Alum Creek
- 2) FY2021Truckee River, Steamboat Creek and North Truckee Drain USGS data update
- 3) FY2021 Precipitation data update for report
- 4) FY2021 Analytical data organization and concentration data spreadsheet and report figures
- 5) FY2021 Volume calculations and load calculations
- 6) FY2021Load data spreadsheet and tables
- 7) FY2021 Whites Creek data update
- 8) FY2021 Arlington data update
- 9) FY2021YSI calibration log spreadsheet updates
- 10) FY2021 Observation log updates, SCT, DO, pH and Turbidity figures
- 11) Data organization and discussion for trends analysis
- 12) FY2021 report writing and figure and map updates

### Task 2. Stormwater Sampling

- 1) Weather analysis
- 2) Coordination re: storm sampling
- 3) YSI calibration
- 4) Bottle inventory, ordering and labeling
- 5) ISCO field site maintenance

### Task 3. Tributary Ambient Sampling (2x)

- 1) Baseflow sampling ISCO set up and grab samples
- 2) Flow measurements and baseflow sampling
- 3) Sample delivery to WETLAB

### Task 4 Streamflow gaging

- 1) Flow measurements and downloads at Alum Creek, Thomas Creek, Evans Creek, and Yori Drain
- 2) Flowsheet data work and QA/QC
- 3) Data transfer
- 4) Obs logs update
- 5) Data work up Thomas Creek and Alum Creek

## Task 6 Project management and correspondence

1) Project management

Rate	Hours	Amount
\$180.00	15.75	\$2,835.00
\$140.00	178.50	\$24,990.00
\$125.00	1.00	\$125.00
	\$180.00 \$140.00	\$180.00 15.75 \$140.00 178.50

**Total Time Charges:** 

\$27,950.00



# Invoice

Theresa Jones City of Reno

1 East First Street 7th Floor

Reno, NV 89501

Terms: Due Upon Receipt

<u>Invoice # Date Amount Due</u> 213136-0821 09/03/21 **\$ 28,501.59** 

**Project Manager:** Benjamin Trustman

Project Number: 213136:Ph8

Job Description: City of Reno Stormwater

Billing Through: 08/21/21

Contract/PO#:

BREAKDOWN OF EXPENSES	Quantity	Rate	Amount
Field Phone	2.00	\$10.46	\$20.92
Field Supplies	3.00	\$47.63	\$142.90
Laboratories	1.00	\$177.21	\$177.21
Mileage Reimbursement - Truck	329.00	\$0.640	\$210.56
Total Expenses:			\$551.59

# Tasks & Allocation of Budget

			Previous Expenditures	This Invoice (#213136- 0821)	Total Exp	ended	Budget Rem	naining
Task		\$ Allocated	\$ amt	\$ amt	\$ amt	% Budget	\$ amt	%
01	Data Analysis and Annual Report (FY2021)	\$48,490.00		\$20,195.00	\$20,195.00	42%	\$28,295.00	58%
02	Stormwater Sampling (outfalls and tributaries)	\$47,520.00		\$1,890.00	\$1,890.00	4%	\$45,630.00	96%
03	Tributary Ambient Sampling (2x)	\$10,400.00		\$2,310.00	\$2,310.00	22%	\$8,090.00	78%
04	Streamflow Gaging (4 gages)	\$21,440.00		\$3,220.00	\$3,220.00	15%	\$18,220.00	85%
05	Committee Meetings and Presentations	\$9,480.00			\$0.00	0%	\$9,480.00	100%
06	Project Management and Correspondence	\$6,020.00		\$335.00	\$335.00	6%	\$5,685.00	94%
[otal	Labor	\$143,350.00		\$27,950.00	\$27,950.00	19%	\$115,400.00	80.5%
Direc	t Costs	\$3,786.00		\$374.38	\$374.38	10%	\$3,411.62	90%
Anal	ytical Costs	\$23,550.00		\$177.21	\$177.21	1%	\$23,372.79	99%
Cont	ingency	\$11,468.00			\$0.00	0%	\$11,468.00	100%
			\$0.00	\$28,501.59	\$28,501.59	16%		
	Allocated (including continuous)	¢100 154 00						

Total Allocated (including contingency)	\$182,154.00	
Total Expended (including current invoice)	\$28,501.59	
Total remaining		\$153,652.41



Page: 2 of 11
Issue Date: Aug 12, 2021
Account Number: Eoundation Account: 02637349

Invoice: 995679142X08202021

# Service activity

# Wireless

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Page: 2 of 11
Issue Date: Jul 12, 2021
Account Number: Foundation Account: 02637349

Invoice: 995679142X07202021

# Service activity

# Wireless

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Wireless continues...

# Western Environmental Testing Laboratory

475 E. Greg St, #119

# **Invoice**

Date	Invoice #
6/29/2021	133361

Bill To

Balance Hydrologies
800 Bancroft
Berkley, CA 94710
Attn: Brian Hastings

Check Payments sent to:
475 E. Greg St, #119
Sparks, NV - 89431

Made out to: Western
Environmental Testing
Laboratory

Credit Card Payment
VISA - MasterCard - Amex
add 3% Service Fee

P.O. No.	Terms	Project
213136	Net 30	

1 NO3+NO 1 O-P [SM 1 TDS with 1 TKN_Lov 1 T-N_low 1 T-P [SM	7-001 / CSID: NTD @ BFD (1) / Received: 6/4/2021 02_lachat (LOW) [EPA 353.2] 4500-P E] n Prep w [EPA 351.2]		24.00 22.00 18.00	24.00 22.00
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Thank you for your business	s. Please call us if you have any questions at (775) 355-			\$161.10
	counts Over 30 Days 18% Annual Rate	Paymo	ents/Credits	\$0.00



# Details for Order #113-9937074-8208245

Print this page for your records.

Order Placed: August 19, 2021

Amazon.com order number: 113-9937074-8208245

Order Total: \$69.34

# **Not Yet Shipped**

**Items Ordered Price** 

2 of: GLOVEWORKS HD Medical Blue Latex Gloves, Box of 50, 13 Mil, Size Large, 12 Inches Long, Powder Free, Textured, Disposable, Non-Sterile, GPLHD86100BX

Sold by: G.P.S. (seller profile)

Condition: New

# **Shipping Address:**

Balance Hydrologics/Ben Trustman 12020 DONNER PASS RD STE B1 TRUCKEE, CA 96161-5199 **United States** 

# **Shipping Speed:**

FREE Prime Delivery

# **Payment information**

**Payment Method:** Item(s) Subtotal: \$64.06 Visa | Last digits: 4692 Shipping & Handling: \$0.00

\$32.03

Billing address Total before tax: \$64.06

Balance Hydrologics/Ben Trustman Estimated tax to be collected: \$5.28 12020 DONNER PASS RD STE B1

TRUCKEE, CA 96161-5199 Grand Total: \$69.34 **United States** 

To view the status of your order, return to Order Summary.

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# Details for Order #113-6295905-4866619

Print this page for your records.

Order Placed: August 19, 2021

**Amazon.com order number:** 113-6295905-4866619

Order Total: \$47.60

# **Not Yet Shipped**

**Items Ordered Price** 

2 of: GLOVEWORKS HD Medical Blue Latex Gloves, Box of 50, 13 Mil, Size X-Large, 12 Inches Long, Powder Free, Textured, Disposable, Non-Sterile, GPLHD88100-BX

Sold by: ZOOMGET (seller profile)

Condition: New

# **Shipping Address:**

Balance Hydrologics/Ben Trustman 12020 DONNER PASS RD STE B1 TRUCKEE, CA 96161-5199 **United States** 

# **Shipping Speed:**

Standard Shipping

# **Payment information**

**Payment Method:** Item(s) Subtotal: \$43.98 Visa | Last digits: 4692 Shipping & Handling: \$0.00

\$21.99

Billing address Total before tax: \$43.98

Balance Hydrologics/Ben Trustman Estimated tax to be collected: \$3.62 12020 DONNER PASS RD STE B1

TRUCKEE, CA 96161-5199 Grand Total: \$47.60 **United States** 

To view the status of your order, return to Order Summary.

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# 213136

# SAFEWAY ()

Store 1266 Dir Jael Uhl Main:(530) 582-7950 Rx:(530) 582-7952 11290 Donner Pass Rd. TRUCKEE CA 96161

# REFRIG/FROZEN

2 QTY PARTY ICE 11.98 B TAX \*\*\*\* BALANCE The same of the sa Credit Purchase 08/18/21 08:34 0.99 

EF: 713455443160 AUTH: 00143448

PAYMENT AMOUNT

AID A0000000980840 TVR 0000000000 TSI 0000

> Visa CHANGE 12.97

TOTAL NUMBER OF ITEMS SOLD = 08/18/21 08:34 1266 54 17 0.00 8854

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Now Hirins! Interested applicants inquire with Store Director

and apply at Safeway.com/careers

POINTS EARNED TODAY Base Points

Points Towards Next Reward 58 of 100

YOUR CASHIER TODAY WAS SELF

O0126605400172108180834
Thank you for shopping Safeway!
For SAFEWAY FOR U questions call
877-276-9637 or Safeway.com/foru

# SoSu.TV 3983 S. McCarran Blvd #427 Reno, NV 89502 US dana@sosu.tv

# Invoice



**BILL TO** 

Reno

City of Reno

Attn: Matt Brown

1 E. First Street 7th Floor

Reno, NV 89501

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
WC947	09/11/2021	\$400.00	10/11/2021	Net 30	

ACTIVITY	QTY	RATE	AMOUNT
Video Edit Edit and upload 7 videos based on provided timestamps	1	400.00	400.00

\$400.00



August 19, 2021

Theresa Jones, MSc, PE Associate Civil Engineer City of Reno 1 E. First Street Reno, Nevada 89505

# RE: Scope of Work for 2021 Watershed Assessment on Tributaries to the Truckee River

Dear Ms. Jones,

NCE appreciates the opportunity to provide this scope of work to conduct the 2021 Watershed Assessment on tributaries to the Truckee River.

# **Project Understanding**

NCE has reviewed the following resources to determine the most applicable tributaries to assess in 2021:

- The 2015, 2016, and the 2017 Watershed Assessments for Tributaries to the Truckee River
- The 319(h)-funding project list
- Watershed Management and Protection Plan for Tributaries to the Truckee River (2020 Plan)

Since there is limited funding for the 2021 watershed assessment, NCE recommends surveying the reaches where the future 319(h) projects are proposed. The following tributary reaches are proposed to be surveyed in 2021 (**Table 1**):

- Chalk Creek upper reach
- North Truckee Drain upper, middle, and lower reaches
- South Evans Creek middle reach
- Galena Creek lower reach
- Jones Creek lower reach
- Whites Creek upper reach

Three Alum Creek projects and two additional projects were identified in the 319(h) Project List, but due to funding limitations for this year, these projects will not be surveyed as part of this proposed scope of work. The projects proposed to be

Reno, NV 1885 S. Arlington Ave., Suite 111 Reno, NV89509

(775) 329-4955

surveyed during a subsequent year include Alum Creek restoration projects, proposed weed mitigation projects, and the MS4 Outlet Erosion Mitigation Project.

Table 1. 2021 Proposed Tributary Reaches to be Surveyed

Project Count	Entity	Creek	Approximate Location	Water Quality Issue	2021 Proposed Reach to be Surveyed and 2015-2017 Survey History
2	City of Reno	Chalk	Valleywood to Mae Ann	This is a vegetation project with a section devoid of vegetation and subject to erosion.	2021 survey upper reach. Lower and middle were surveyed in 2015; upper was survey in 2016.
7	City of Sparks	North Truckee Drain	Spanish Springs Dam to I-80 box culvert	High flow events have caused erosion and sediment loading throughout the tributary.	2021 survey upper, middle, and lower reaches. Lower was surveyed in 2016, middle was surveyed in 2015, upper was surveyed in 2016
8	City of Sparks	North Truckee Drain	Spanish Springs Dam to I-80 box culvert	Invasive weeds and vegetation are present throughout the tributary.	2021 survey upper, middle, and lower reaches. Lower was surveyed in 2016, middle was surveyed in 2015, upper was surveyed in 2016.
9	City of Sparks	North Truckee Drain	Baring Drive to Lillard Drive	Sediment and debris impacts from storm drain outfalls are located throughout high density residential areas.	2021 survey middle reach. Lower was surveyed in 2016, middle was surveyed in 2015, upper was surveyed in 2016.
10	Washoe County	South Evans	Through Anderson Park, Del Monte Lane to Bonde Lane	Historical hydromodification causes frequent flooding, resulting in erosion and sediment loading.	2021 survey middle reach. Lower was surveyed in 2016, middle was surveyed in 2015, upper was surveyed in 2016.
11	Washoe County	Galena	Lower Reach  - I-580 bridge to Steamboat Creek	Erosion, undercutting, noxious weeds, hydromodification, and sediment loading are present along the project site.	2021 survey lower reach. Lower was surveyed in 2016, middle was surveyed in 2015, upper was surveyed in 2017.

Project Count	Entity	Creek	Approximate Location	Water Quality Issue	2021 Proposed Reach to be Surveyed and 2015-2017 Survey History
12	Washoe	Jones	Callahan	Persistent severe	2021 survey lower reach.
	County		Ranch Road	incision/erosion are	Lower was surveyed in 2015.
			to Galena	present.	
			Creek		
14	Washoe	Whites	Timberline	High flows cause	2021 survey upper reach.
	County		Drive to	erosion and sediment	Lower was surveyed in 2016;
			Legend Trail	loading in multiple	middle was surveyed in 2015,
				tributary drainages to Whites Creek.	upper surveyed in 2015.

# Scope of Work

# **Task 1 Conduct Watershed Assessments Field Work**

As described above, NCE will conduct an assessment on the following creek reaches:

- Chalk Creek upper reach
- North Truckee Drain upper, middle, and lower reaches
- South Evans Creek middle reach
- Galena Creek lower reach
- Jones Creek lower reach
- Whites Creek upper reach

NCE will use the existing pre-determined reaches that were used in the 2015-2017 field assessments for the 2021 field assessments.

The drainages will be assessed using the Proper Functioning Condition according to methodology presented in the U.S. Department of the Interior Bureau of Land Management document titled *Riparian Area Management, A User Guide to Assessing Proper Functioning Condition and the Supporting Science for Lotic Areas* (BLM, 1998). In addition, representative photographs will be taken, and observation points will be recorded with a GPS unit. The data collected will include problem areas such as noxious weeds and drainage erosion and/or deposition locations. The noxious weeds will be identified, the coverage will be estimated, and the extent will be mapped.

# **Task 2 Watershed Assessments Report**

Using the data collected in **Task 1**, NCE will prepare a 2021 watershed assessment report. The report will include a description of the drainage and the reach surveyed

using the existing descriptions from the 2017 watershed assessment report. The report will also include a summary of the field data collected, specific problem areas identified in the field, recommendations, photographs, and a set of maps. The maps will include an overview map, and a map of the surveyed reach with the observation points, the location of noxious weed colonies, and the GPS points of erosion and/or degradation.

A GIS geodatabase will be created and provided to the City of Reno. The GIS database will include photo points, field observation points, points of erosion and/or deposition, extents of invasive/noxious weeds, and the PFC ratings.

The draft 2021 Watershed Assessment report will be provided to the City of Reno for review and comment. The City of Reno will solicit comments from the City of Sparks and Washoe County, and provide a summary of comments to NCE.

# **Deliverables:**

- Draft 2021 Watershed Assessment Report (electronic copy: Word and PDF)
- Final 2021 Watershed Assessment Report (Electronic copy: PDF and GIS geodatase)

# **Assumption:**

• Field work will be completed by two NCE scientists within four 10-hour days

### **ESTIMATED FEE**

NCE proposes the above-described scope of work on a time and materials basis in accordance with our attached Schedule of Charges 2021. NCE understands the funds may be shifted between tasks, but the not to exceed amount is **\$40,000**.

We appreciate the opportunity to provide these services to the City of Reno and look forward to working with you and your team on this project. If you have any questions or additional needs, please call our office at (775) 329-4955.

Respectfully,

**NCE** 

Kevin Senn Principal Debra Lemke, PWS, CPESC Senior Scientist

Attachments: Schedule of Charges 2021



# **SCHEDULE OF CHARGES 2021**

PROFESSIONAL SERVICES	
	Principal\$270/hour
	Associate\$215/hour
	Senior\$185/hour
	Project\$165/hour
	Staff \$145/hour
TECHNICAL SERVICES	
TECHNICAL SERVICES	Senior Construction Manager*\$145/(\$170-PW)/hour
	Senior Designer
	CADD Designer\$135/hour
	Senior Technician*\$135/hour
	Construction Inspector*
	CAD Technician
	Senior Field Scientist
	Field Scientist
	Project Administrator
	Field/Engineering Technician* \$100/(\$125-PW)hour
	Technical Editor\$100/hour
	Clerical\$90/hour
CONTRACT LABOR	
	From time to time, NCE retains outside professional and technical labor
	on a temporary basis to meet peak workload demands. Such contract
	labor will be charged at regular Schedule charges.
LITIGATION SUPPORT	
	Engineer/Scientist\$330/hour
	Court Appearances & Depositions \$550/hour
EQUIPMENT	
EQUIFMENT	Plotter Usage(separate fee schedule)
	Truck
	Automobile
	Falling Weight Deflectometer Testing
	Coring
	Environmental Equipment(separate fee schedule)
	Lifvironmental Equipment(Separate ree schedule)
<b>OUTSIDE SERVICES</b>	
	Rental of equipment not ordinarily furnished by NCE and all other costs
	such as special printing, photographic work, travel by common carrier,
	subsistence, subcontractors, etccost + 15%
COMMUNICATION/	
REPRODUCTION	
	In-house costs for long-distance telephone, faxing, postage, printing
	and copyingproject labor charges x 5%
TERMS	
	Billings are payable upon presentation and are past due 30 days from
	invoice date. A finance charge of 1.5% per month, or the maximum
	amount allowable by law, will be charged on past-due accounts. NCE
	makes no warranty, either expressed or implied, as to its findings,
	recommendations, specifications, or professional advice except that
	they are prepared and issued in accordance with generally accepted
	professional practice.
	proressional practice.

<sup>\*</sup>A surcharge of \$25/hour applied for technicians and construction inspectors to comply with Prevailing Wage (PW) per requirements of California Department of Industrial Relations.