



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority

**REGULAR BOARD MEETING  
AGENDA**

**November 18, 2021  
4:00 PM**

\*Temescal Valley Water District Administrative Offices  
22646 Temescal Canyon Road, Temescal Valley, California 92883

CALL TO ORDER AND ROLL CALL: Directors Casillas, Rodriguez, Williams

**PUBLIC COMMENT**

Any person may address the Board at this time upon any subject not identified on this Agenda, but within the jurisdiction of Bedford Coldwater Groundwater Sustainability Authority; however, any matter that requires action will be referred to staff for a report and action at a subsequent Board meeting. As to matters on the Agenda, an opportunity will be given to address the Board when the matter is considered.

- I. Consider Adoption of a Resolution Authorizing Remote Teleconference Meetings
- II. Consent Calendar
  - A. Approval of Minutes of the August 19, 2021 Regular Board Meeting
  - B. Approval of Minutes of the September 22, 2021 Special Meeting
  - C. Financial Statement
  - D. Ratification of Demands
  - E. Back-Up Information for Major Contracts
  - F. Outside Contract Summary Report



- III. Business Item
  - A. Public Hearing to Consider Adoption of the Groundwater Sustainability Plan for the Bedford-Coldwater Subbasin
- IV. Administrator's Update
- V. Legal Counsel Report
- VI. Comments of the Board
- VII. Adjourn

**In the interest of public health and safety, this meeting will be held telephonically. Remote public participation is encouraged in one of the following ways:**

**For Online Participation:**

Go to: [www.zoom.us](http://www.zoom.us)  
Select Join a Meeting  
Enter Meeting ID: 819 2265 5648  
Meeting Password: 92530

**For Call-in Only:**

Call: (720) 707-2699  
Enter Meeting ID: 819 2265 5648  
Meeting Password: 92530

In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted in the main lobby of the Authority's Administrative offices not less than 72 hours prior to the meeting date and time above. All public records relating to each agenda item, including any public records distributed less than 72 hours prior to the meeting to all, or a majority of all, of the members of Authority's Board, are available for public inspection in the office at 22646 Temescal Canyon Road, Temescal Valley, California 92883 and at <https://www.bedfordcoldwatergsa.com/>

To request a disability-related modification or accommodation regarding agendas or attendance, contact Terese Quintanar, at (951) 674-3146, extension 8223 at least 48 hours before the meeting.



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority

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Date: November 18, 2021

To: Board of Directors

From: Deputy Treasurer

**SUBJECT: CONSIDER ADOPTION OF A RESOLUTION AUTHORIZING REMOTE TELECONFERENCE MEETINGS**

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**RECOMMENDATION:**

1. Adopt the Resolution Proclaiming a State of Emergency Exists, Ratifying the Proclamation of a State of Emergency by Governor Gavin Newsom, and Authorizing Remote Teleconference meeting of the Board of Directors of the Bedford Coldwater Groundwater Sustainability Authority, pursuant to Brown Act Provisions

**DISCUSSION:**

Prior to the expiration of Executive Order N-29-20 on September 30, 2021, Governor Newsom signed into law Assembly Bill (AB) 361 granting extended additional flexibility to offer teleconferenced virtual public meetings. AB 361 will remain in effect until January 1, 2024, unless the State Legislature takes action to extend it or make it permanent. It is necessary for the Authority to adopt the attached resolution in order to proceed with virtual meetings.

Additionally, AB 361 added the requirement that, within thirty (30) days after the first teleconference meeting and then every thirty (30) days thereafter, the Board would need to adopt a resolution per meeting, making findings regarding the continuing need to conduct teleconference instead of in-person meetings.

The following is a summary of AB 361's pertinent provisions.

1. Posting of Agendas.
  - a. Brown Act - Requires a local agency to post agendas at all teleconference locations.
  - b. AB 361 - Removes the requirement that agendas must be posted at all teleconference locations.

2. Location of Teleconferencing Participants.

a. Brown Act –

i. Requires a local agency that uses teleconferencing to identify each teleconference location in the notice and agenda of the meeting, and each teleconference location must be accessible to the public.

ii. Requires that at least a quorum of the members of a legislative body must participate in the meeting (even if by teleconference) from locations within the agency's boundaries.

b. AB 361 –

i. Do not require identification of each teleconference location and each location does not need to be accessible to the public

ii. Do not require the quorum of the board members to be located within the agency's boundaries.

3. Public Access and Comments.

a. Brown Act – Requires Board meetings to remain open to the public and the agenda must include the manner by which members of the public may access the meeting remotely to offer public comment, including by a call-in option or an internet-based service option, such as meeting invite web address or call-in phone number, with passcode. Members of the public must be allowed to access the meeting and to address the legislative body directly, either during a general public comment period or before any individual actions are taken.

b. AB 361 - Agency may not require members of the public to submit their comments in advance of a meeting. Public comments, either written or made by remote connection, must be accepted until the point at which the public comment period is formally closed. Any registration or sign-up period for public comments can only be closed when the public comment period is formally closed. Where public comments are accepted in a public comment period for each agenda item, the agency must allow a reasonable amount of time during each agenda item to allow the public the opportunity to provide comments, including time for members of the public to register or otherwise be recognized for the purpose of providing public comment.

4. Registration.

a. Brown Act - Prohibits the use of mandatory registration or "signups" to attend public meetings or to provide public comment.

b. AB 361 - Allows local agencies to use platforms which, incidental to their use and deployment, require users to register for an account with that platform, so long as the platform is not under the control of the local agency.

5. Technological Disruption of Meeting.



a. AB 361 - If a public comment line unexpectedly disconnects, a meeting agenda was sent out with the incorrect web link or dial-in information, the local agency's internet connection is interrupted, or other similar circumstances occur, the agency must stop the ongoing meeting and try to resolve the issue before continuing with the meeting agenda. If the meeting disruption cannot be resolved, the agency should not take any further action on agenda items and should end the meeting.

The attached resolution takes effect immediately upon its adoption and is effective until the Board of Directors adopts a subsequent resolution. The Board would need to adopt a resolution each meeting, making findings regarding the continuing need to conduct teleconference instead of in-person meeting.

**FISCAL IMPACT:**

Not applicable.

**ENVIRONMENTAL WORK STATUS:**

Not applicable.

**EXHIBITS/ATTACHMENTS:**

Resolution

RESOLUTION NO. 21-01

A RESOLUTION OF THE BOARD OF DIRECTORS OF BEDFORD COLDWATER GROUNDWATER SUSTAINABILITY AUTHORITY PROCLAIMING A LOCAL EMERGENCY, RATIFYING THE MARCH 4, 2020 PROCLAMATION OF A STATE OF EMERGENCY ISSUED BY THE GOVERNOR OF THE STATE OF CALIFORNIA, AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE BOARD OF DIRECTORS PURSUANT TO BROWN ACT PROVISIONS ENACTED BY ASSEMBLY BILL NO. 361

WHEREAS, the Bedford Coldwater Groundwater Sustainability Authority (“BCGSA”) is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

WHEREAS, all meetings of the District’s legislative bodies are open and public, as required by the Ralph M. Brown Act (Cal. Government Code Sections 54950 – 54963), so that any member of the public may attend, participate, and watch the BCGSA Board conduct their business; and

WHEREAS, the Brown Act, Government Code Section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code Section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code Section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code Section 8558; and

WHEREAS, a proclamation is made when there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the jurisdictions that are within the BCGSA boundaries, caused by natural, technological, or human-caused disasters; and

WHEREAS, it is further required that state or local officials have imposed or recommended measures to promote social distancing, or, the legislative body meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, such conditions now exist in the BCGSA boundaries, specifically, the Governor of the State of California proclaimed a State of Emergency due to the COVID-19 pandemic on March 4, 2020 which proclamation is still in effect, and Riverside County Public Health has recommended facemask protections and social distancing; and

WHEREAS, the legislative body meeting in person would accordingly present imminent risks to the health and safety of attendees; and

WHEREAS, the Board of Directors of BCGSA does hereby find that the Governor's March 4, 2020 Proclamation of a State of Emergency issued due to the COVID-19 pandemic and the resurgence of COVID-19 cases through the Delta variant has caused, and will continue to cause, conditions of peril to the safety of persons within the BCGSA boundaries that are likely to be beyond the control of services, personnel, equipment, and facilities of the BCGSA, and desires to proclaim a local emergency and ratify both the March 4, 2020 Proclamation of a State of Emergency by the Governor of the State of California and Riverside County Public Health's recommendations for facemask protections and social distancing; and

WHEREAS, as a consequence of the local emergency, the Board of Directors does hereby find that the BCGSA shall conduct their meetings without compliance with paragraph (3) of subdivision (b) of Government Code Section 54953, as authorized by subdivision (e) of Government Code Section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of Section 54953; and

WHEREAS, all meetings of the BCGSA will be accessible to the public for participation, and notice of the means by which members of the public may access such meetings virtually and offer public comment will be provided.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF BCGSA DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

Section 2. Proclamation of Local Emergency. The Board hereby proclaims that a local emergency now exists throughout the area Of the BCGSA due to the COVID-19 pandemic, and that meeting in person would accordingly present imminent risks to the health and safety of attendees.

Section 3. Ratification of Governor's Proclamation of a State of Emergency. The Board hereby ratifies the Governor of the State of California's Proclamation of State of Emergency, effective as of its issuance date of March 4, 2020.

Section 4. Remote Teleconference Meetings. The General Manager is hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution, including conducting open and public meetings in accordance with Government Code Section 54953(e) and other applicable provisions of the Brown Act.

Section 5. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective until such time the Board of Directors adopts a subsequent resolution in accordance with Government Code Section 54953(e)(3) to extend the time during which the BCGSA may continue to teleconference without compliance with paragraph (3) of subdivision (b) of Government Code Section 54953.

PASSED, APPROVED, AND ADOPTED this 18th day of November 2021.

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Paul Rodriguez, Chairman of the  
Board of Directors of the  
Bedford-Coldwater Groundwater  
Sustainability Authority

ATTEST:

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Phil Williams, Secretary to the  
Board of Directors of the  
Bedford-Coldwater Groundwater  
Sustainability Authority

STATE OF CALIFORNIA            )  
  ) ss:  
COUNTY OF RIVERSIDE         )

I, Phil Williams, Secretary of the Board of Directors of the Bedford-Coldwater Groundwater Sustainability Authority, do hereby certify that the foregoing Resolution No. 21-01, was duly adopted by said Board at its Regular Board Meeting held on November 18, 2021, and that it was so adopted by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

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Phil Williams, Secretary to the  
Board of Directors of the  
Bedford-Coldwater Groundwater  
Sustainability Authority



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority

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Date: November 18, 2021

To: Board of Directors

From: Deputy Treasurer

**SUBJECT: APPROVAL OF MINUTES OF THE AUGUST 19, 2021 REGULAR BOARD MEETING**

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**RECOMMENDATION:**

1. Approve the Minutes of the Bedford-Coldwater Groundwater Sustainability Authority Regular Meeting of August 19, 2021.

**DISCUSSION:**

Draft meeting minutes are presented for consideration for approval.

**FISCAL IMPACT:**

Not applicable.

**ENVIRONMENTAL WORK STATUS:**

Not applicable.

**EXHIBITS/ATTACHMENTS:**

Draft Meeting Minutes

**MINUTES OF THE  
REGULAR MEETING OF THE  
BEDFORD-COLDWATER  
GROUNDWATER SUSTAINABILITY AUTHORITY**

**August 19, 2021**

**Board Present**

Paul Rodriguez, TVWD  
Jacque Casillas, City of Corona  
Phil Williams, EVMWD

**Staff Present**

Jeff Pape, TVWD  
Greg Thomas, EVMWD  
Ganesh Krishnamurthy, EVMWD  
Tom Moody, City of Corona  
Margie Armstrong, EVMWD  
Parag Kalaria, EVMWD  
Terese Quintanar, EVMWD  
Christy Gonzalez, EVMWD  
Susie Evans, EVMWD  
Victor Harris, Stantec  
Kelly Shugart, Stantec  
Martin Koczanowicz, Olivarez Madruga Lemieux O'Neill, LLP

**1. CALL TO ORDER AND ROLL CALL**

The meeting of the Bedford-Coldwater Groundwater Sustainability Authority was held via teleconference allowed under the waivers of the Brown Act in response to the COVID19 epidemic. Participants joined by accessing information posted on the meeting Agenda, posted at least 72 hours prior to the meeting start time. The meeting was called to order by Chairman Rodriguez at 4:00 p.m.

**2. PUBLIC COMMENT – None.**

**3. APPOINTMENT OF CHAIRPERSON AND VICE-CHAIRPERSON (MO #34)**

**ACTION:** Director Williams made a motion, Vice- Chairperson Casillas seconded, to elect the same officers as last year: Director Rodriguez as Chairman, and Director Casillas as Vice- Chairperson, and Director Williams as Treasurer, and the motion carried unanimously.

**4. CONSENT CALENDAR**

**A. Minutes of the May 20, 2021 Regular Meeting**

**B. Financial Statement**

- C. Ratification of Demands**
- D. Back-up Information for Major Contracts**
- E. Outside Contract Summary Report**

**ACTION:** Director Williams made a motion, Vice-Chairperson Casillas seconded, and the motion carried unanimously to approve the Consent Calendar.

## **5. BUSINESS CALENDAR**

### **A. Consider Approval of Amendment No. 2 for Professional Services Agreement with Geoscience Support Services, Inc. (MO #35)**

Mr. Harris explained the approved grant work plan calls for the construction of two new monitoring wells in the Bedford Coldwater basin. Geoscience was selected to provide CEQA permitting, develop technical specifications, and provide construction management services for the wells. The well locations were selected by the GSA based on general locations identified by Todd Groundwater (Todd), who developed the Groundwater Sustainability Plan. The wells were originally located on the two parcels owned by the GSA member agencies within the areas identified by Todd.

After Geoscience completed draft specifications and CEQA documentation for the two original monitoring well sites, it became clear that one of the sites was not large enough to locate drilling equipment, and a new site was needed. In addition, the wells need to be deeper than originally anticipated. After considerable effort, a replacement site was identified on Hunt Road within Riverside County right-of-way, and an encroachment permit was obtained from the county for the new monitoring well site.

Given the new monitoring well site, Geoscience's scope of work needs to be expanded to include:

1. CEQA permitting for a third new monitoring well site
2. Revisions of the plans and specifications to replace one site and modify anticipated drilling depths
3. Additional field time during construction management to accommodate deeper drilling which will extend the construction period

Staff requested a scope of work and the associated cost from Geoscience for the additional work needed. Furthermore, due to the additional time needed to identify the location of the third well, the work cannot be completed within the current PSA expiration date of August 31, 2021.

Vice-Chairperson Casillas asked for background on why it was not known sooner that the site was too small. Mr. Harris explained that once the site was selected, Geoscience



prepared a layout of where the equipment would be placed and asked the drilling contractors to evaluate the site and it was determined that the well would be situated such that it may impede future construction on the site. Vice-Chairperson Casillas asked if there is verbiage in our contract that would allow for us to split this cost with Geoscience. Mr. Harris responded that the additional costs for plans and specifications is understandable because they have to be re-done. There is some uncertainty about how long they may have to be in the field and where bedrock may be found, so there is potential that they may not need the additional cost built in for this and we may not end up spending all of the \$12,637. Mr. Harris explained further that this has been discussed with Geoscience and found that the additional costs presented are fair.

Chairman Rodriguez asked for clarification about the deadlines concerning the construction and the grant, and commented that the questions being asked are important, and urged for thoughtfulness in containing costs and allowing for sufficient time for the work. Mr. Harris explained that this work is tied to the grant and the work needs to be completed by December 31. Ms. Armstrong explained that this is a hard deadline. The grant coincides with the required submittal date, and we cannot extend the grant timing. Confirming for Chairman Rodriguez, Ms. Armstrong explained that the deadline is the date of project completion. The work has to be performed and completed by the end of December. The duration of the contract is such that we can complete the work by the end of December, complete with an as built report from Geoscience.

Staff has reviewed the proposed scope of service and costs and recommends approval of Amendment No. 2 to the PSA with Geoscience increasing the compensation amount by \$12,637 to a total of \$98,533, and a term extension through December 31, 2021.

**ACTION:** Director Williams made a motion, Vice-Chairperson Casillas seconded, and the motion carried unanimously to:

1. Approve Amendment No. 2 for Professional Services Agreement (PSA) with Geoscience Support Services, Inc. (Geoscience); and,
2. Authorize the Deputy Treasurer to execute the appropriate documents on behalf of Bedford Coldwater Groundwater Sustainability Authority.

**B. Consider Authorizing the Deputy Treasurer to Select a Well Drilling Contractor**

Mr. Harris explained that the grant work plan approved by Department of Water Resources (DWR) calls for the construction of two new monitoring wells in the Bedford Coldwater Basin. A request for bids for construction of the wells is currently being advertised on the PlanetBids e-procurement portal. Bids are due back to the GSA on August 30, 2021. A pre-bid meeting was held on August 3, 2021 and the deadline for bids was extended in order to allow time for contractors to plan for outreach efforts.

Time is of the essence for completion of the wells to coincide with the grant agreement and funding from the DWR. Planning of the wells has been significantly delayed due to challenges in obtaining appropriate drilling sites and drilling permits. In lieu of convening a special meeting of the Board to approve selection of a contractor after receipt of bids on August 30, the board can consider authorizing the Deputy Treasurer (in consultation with Administrator and Geoscience Support Services) to select the well drilling contractor with the lowest responsive bid and execute a contract with the contractor for the bid amount not to exceed \$385,000.

Geoscience has developed an engineer's estimate for the work based on similar work they have performed recently. The engineer's estimate for one well is \$167,585 and the other well is \$127,660, for a total of \$295,245. The difference in the estimated costs of the wells is due to varying anticipated well depths. The suggested not-to-exceed amount of \$385,000 is based on the engineers estimate of \$295,245 with a contingency of approximately 30 percent. CEQA work has been completed.

Chairman Rodriguez asked for confirmation that there will be no additional delays. He further explained his preference to call a special meeting to take the action. Vice Chairperson Casillas was in agreement.

Mr. Koczanowicz explained that as a matter of course, once the bids come in and are evaluated by staff, the lowest responsible bid is to be awarded. Mr. Harris opined that at least three contractors may submit bids. He continued that the Board does have the ability to delegate the decision for award.

Discussion followed regarding time demands involved for reviewing submittals between the submittal date of September 15, 2021 and a suggested special board meeting date of September 20, 2021. Mr. Harris made note that he would need to confirm that that Geoscience staff would be able to complete the bid comparison in a timely manner and that staff would also be invited to the special meeting. Chairman Rodriguez commented that his preference not to defer to staff was based on his understanding of the Board's role and responsibility. It will also provide an opportunity for the Board to understand more about the ranking and scoring is done.

## **6. Administrator's Update**

Mr. Harris provided an update the GSP and the monitoring wells. In terms of the GSP, we publicized it on our website on June 6<sup>th</sup> and let stakeholders know it was available and held a public meeting on July 15, 2021. The deadline for public review is September 6, 2021, and based on the lack of input or questions, we don't expect it will be a problem and will be ready to upload to the DWR in mid to late September. However, when it is submitted to DWR, the five year clock starts. He recommended scheduling for consideration of approval at a November meeting and one concern was the holidays and if we will have availability for a quorum.

Other elements include detail on page 77 of the packet. We believe that the GSP is largely done and we're thinking of implementation and the first update is required in April. Chairman Rodriguez commented that the Stakeholder's Meeting was very well done, and the PowerPoint presentation explained very well how the efforts come together. Some communities' members inquired about obtaining the presentation and, he opined, that is a good sign. He expressed his appreciation.

Mr. Harris continued with his report, referencing page 81 of the meeting packet. A status of grant invoicing shows we are into grant money in stakeholder development and the GSP Development and underbudget in grant administration work and may go over in the area of construction implementation, given the Engineer's estimate. Near the end of the grant period, when we have more certainty on the costs, we will seek to refine the budget funds. The Schedule was also provided.

Chairman Rodriguez noted that the schedule has a deadline of January 31 of 2022, but we are using the deadline of December 31 as the deadline for the monitoring wells. Mr. Harris confirmed that the deadline of January 31 is statewide GSP deadline, and the grant schedule is through another entity.

**7. Legal Counsel Report**

Martin Koczanowicz had no report.

**8. Comments of Board**

Director Williams thanked staff for their efforts and for continuously moving forward.

**9. Adjourn**

There being no further business, the August 19, 2021, Regular meeting of the Bedford-Coldwater Groundwater Sustainability Authority was adjourned at 4:35 p.m.

**ATTEST:**

**APPROVED:**

\_\_\_\_\_  
Jacque Casillas, Vice-Chairperson

\_\_\_\_\_  
Paul Rodriguez, Chairman

Date: \_\_\_\_\_

Date: \_\_\_\_\_



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority

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Date: November 18, 2021

To: Board of Directors

From: Deputy Treasurer

**SUBJECT: APPROVAL OF MINUTES OF THE SEPTEMBER 22, 2021 SPECIAL MEETING**

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**RECOMMENDATION:**

1. Approve the Minutes of the Bedford-Coldwater Groundwater Sustainability Authority Special Meeting of September 22, 2021.

**DISCUSSION:**

Draft meeting minutes are presented for consideration for approval.

**FISCAL IMPACT:**

Not applicable.

**ENVIRONMENTAL WORK STATUS:**

Not applicable.

**EXHIBITS/ATTACHMENTS:**

Draft Meeting Minutes

**MINUTES OF THE  
SPECIAL MEETING OF THE  
BEDFORD-COLDWATER  
GROUNDWATER SUSTAINABILITY AUTHORITY**

**September 22, 2021**

**Board Present**

Paul Rodriguez, TVWD  
Jacque Casillas, City of Corona  
Phil Williams, EVMWD

**Staff Present**

Jeff Pape, TVWD  
Greg Thomas, EVMWD  
Ganesh Krishnamurthy, EVMWD  
Tom Moody, City of Corona  
Margie Armstrong, EVMWD  
Parag Kalaria, EVMWD  
Terese Quintanar, EVMWD  
Christy Gonzalez, EVMWD  
Susie Evans, EVMWD  
Victor Harris, Stantec  
Kelly Shugart, Stantec  
Martin Koczanowicz, Olivarez Madruga Lemieux O'Neill, LLP

**1. CALL TO ORDER AND ROLL CALL**

The meeting of the Bedford-Coldwater Groundwater Sustainability Authority was held via teleconference allowed under the waivers of the Brown Act in response to the COVID19 epidemic. Participants joined by accessing information posted on the meeting Agenda, posted at least 24 hours prior to the meeting start time. The meeting was called to order by Chairman Rodriguez at 9:00 a.m.

**2. PUBLIC COMMENT – None.**

**3. CONSIDER APPROVAL OF A PUBLIC WORKS CONTRACT WITH ABC LIOVIN DRILLING, INC. FOR THE DRILLING OF TWO MONITORING WELLS (MO #36)**

Mr. Harris explained that the grant work plan approved by Department of Water Resources (DWR) calls for the construction of two new monitoring wells in the Bedford Coldwater Basin. On November 19, 2020, the Board approved a Professional Services Agreement with Geoscience Support Services, Inc. for design of the two monitoring wells. Geoscience prepared the plans and specs for public bid of the two wells.

The scope of work for the construction of these two monitoring wells includes installation of well casings and screens, well development, water quality sampling, and well head completion.

The project was advertised on Planet Bids e-procurement on July 23, 2021. One bid was received from ABC Liovin Drilling, Inc. in the amount of \$369,150.00 by the deadline on September 15, 2021.

Geoscience developed an updated engineer's planning level cost estimate for the work based on most recent bids for similar work in August 2021. The engineer's cost estimate for one well is \$137,660 and the other well is \$177,585, for a total of \$315,245. The difference in the estimated costs of the wells is due to varying anticipated well depths. The bid received is 17% higher than the engineer's cost estimate.

Staff, consultants (Geoscience and Stantec), and legal counsel performed a detailed review of the bid documents. Based on the review, ABC Liovin Drilling, Inc. is determined to be a responsive and responsible bidder. Staff recommended award of a Public Works Contract to ABC Liovin Drilling, Inc., in the amount of \$369,150.00 plus a 15% contingency, for a total amount of \$424,523.00.

Anticipating questions, Mr. Harris explained that the cost of drilling is included in the BCGSA budget and the environmental permitting has been completed. He explained that we have two Engineer's Estimates because Terry Walkins, of Geoscience reviewed and updated the Estimate based on rising costs of building materials. He added that inquiry was made with potential bidders and staff learned that due to current workload, some potential bidders were concerned with the ability to complete the work within the deadline. Contingency was added at the advice of Legal Counsel because well construction is based on unit cost and unit cost per foot of drilling and hours needed for development may be needed. The goal is to determine where bedrock is, and if going deeper in depth is needed than planned or if more development hours is needed, the contingency will allow this. Conversely, if we find bedrock is shallower than anticipated, those funds will be saved.

Vice-Chairperson Casillas asked about blanks in the draft contract, specifically on Page 5. Mr. Harris responded that we do have the information to fill in the blanks; a time of 120 days from the Notice to Proceed and the amount for liquidated damages is included in the specifications.

Ms. Armstrong added there are other documents yet to be added and final revisions are being made to the contract as well. Chairman Rodriguez clarified for the motion that approval of the contract is authorization to enter into the standard contract, subject to legal counsel review and the contract would not need to come back to the Board. There is a more substantial agreement that would be completed, and all of the appropriate attachments will be included.

Chairman Rodriguez opined that the right approach had been taken and the amount of work to prepare and review for this project was appropriate.

**ACTION:** Vice- Chairperson Casillas made a motion and Director Williams, seconded to:

- 1. Approve a Public Works Contract with ABC Liovin Drilling, Inc. in the amount of \$369,150.00; and
- 2. Approve a project contingency in the amount of \$55,373; and
- 3. Authorize the Deputy Treasurer to execute the appropriate documents on behalf of BCGSA

**4. Adjourn**

There being no further business, the September 22, 2021, Special meeting of the Bedford-Coldwater Groundwater Sustainability Authority was adjourned at 9:11 a.m.

**ATTEST:**

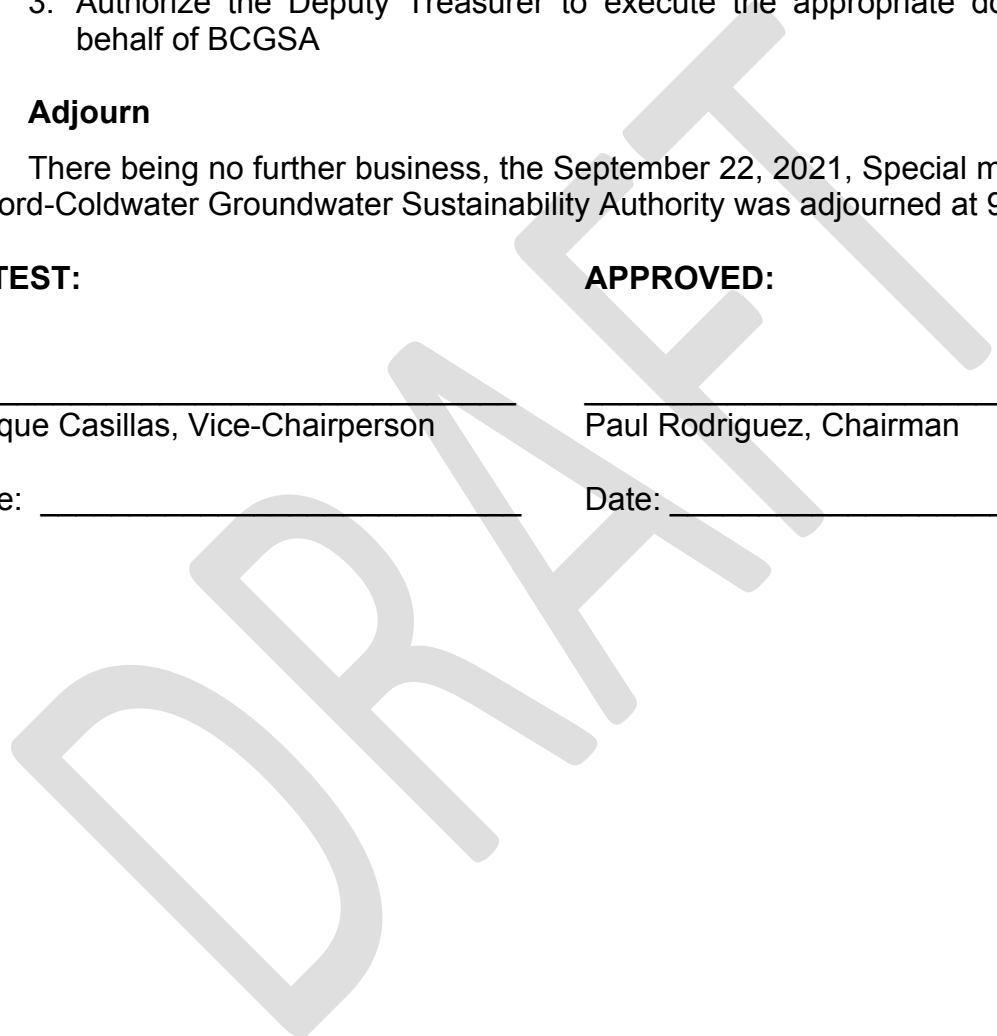
**APPROVED:**

\_\_\_\_\_  
Jacque Casillas, Vice-Chairperson

\_\_\_\_\_  
Paul Rodriguez, Chairman

Date: \_\_\_\_\_

Date: \_\_\_\_\_





**BEDFORD COLDWATER**  
Groundwater Sustainability Authority

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Date: November 18, 2021

To: Board of Directors

From: Deputy Treasurer

**SUBJECT: FINANCIAL STATEMENT**

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**RECOMMENDATION:**

1. Receive and File the September 31, 2021 Financial Statements and Cash Reserve Report.

**DISCUSSION:**

The September 31, 2021 Financial Statements and Cash Reserve Report are attached for review.

**FISCAL IMPACT:**

Not applicable.

**ENVIRONMENTAL WORK STATUS:**

Not applicable

**EXHIBITS/ATTACHMENTS:**

September 31, 2021 (Unaudited) Statement of Revenues & Expenditures  
September 31, 2021 Cash Reserve Report  
September 31, 2021 (Unaudited) Statement of Net Position



**Bedford Coldwater Groundwater Sustainability Authority**  
**STATEMENT OF REVENUES & EXPENDITURES (Unaudited)**  
as of September 30, 2021

<b>REVENUE</b>	<b>FY 2022 Actual</b>	<b>FY 2022 Budget</b>	<b>% of Budget</b>
Member Contributions	\$ -	\$ 388,362	0
Member Contributions Carry over	501,130	40,500	1237
Grant Reimbursement	125,320	371,287	34
Interest Income	401	7,500	5
<b>TOTAL REVENUE</b>	<b>626,852</b>	<b>807,649</b>	<b>78</b>
<b>Operating Expenses</b>			
EVMWD - JPA Oversight/Management	3,000	12,000	25
Stantec - GSP Administrator	2,973	15,000	20
ACWA Dues	2,855	3,500	82
Legal Expenses	-	5,500	0
Insurance Premium	-	2,500	0
Bank Fees	324	1,500	22
Auditing Services	-	7,000	0
Website Domain & Software	-	1,000	0
Website Content Design & Maintenance	200	1,000	20
Annual GSP Update	-	75,000	0
<b>TOTAL OPERATING EXPENSES</b>	<b>9,352</b>	<b>124,000</b>	<b>8</b>
<b>Non-Operating Expenses</b>			
GSP Preparation - Stantec	23,472	57,000	12
GSP Preparation -Todd Groundwater	14,844	194,500	
GSP Implementation	-	450,000	3
<b>TOTAL NON OPERATING EXPENSES</b>	<b>38,316</b>	<b>701,500</b>	<b>5</b>
<b>TOTAL EXPENSES</b>	<b>47,668</b>	<b>825,500</b>	<b>6</b>
<b>TRANSFERS</b>			
Transfer to/(from) Operating Reserves	6,775	6,775	
Transfer to/(from) Non-Operating Reserves	(24,625)	(24,625)	
<b>TOTAL TRANSFERS</b>	<b>\$ (17,851)</b>	<b>\$ (17,851)</b>	
<b>MEMBER CONTRIBUTION CARRY OVER</b>	<b>\$ 597,035</b>	<b>\$ 0</b>	

**Bedford Coldwater Groundwater Sustainability Authority**  
**STATEMENT OF NET POSITION (Unaudited)**  
**As of September 30**

<b>ASSETS</b>	<b><u>FY 2022</u></b>	<b><u>FY 2021</u></b>
<b><u>Current Assets:</u></b>		
Cash and Cash Equivalents	\$ 209,422	\$ 204,432
Investments	565,210	416,481
Accounts Receivable	-	100,000
Accrued Interest Receivable	-	438
Work in Process	33,313	18,295
	<u>                    </u>	<u>                    </u>
<b>Total Assets</b>	<b><u>\$ 807,945</u></b>	<b><u>\$ 739,645</u></b>
<b><u>LIABILITIES &amp; NET POSITION</u></b>		
<b><u>Current Liabilities:</u></b>		
Accounts Payable	4,098	13,852
Accrued Interest Income	438	-
Member Deposits	597,035	501,569
	<u>                    </u>	<u>                    </u>
<b>Total Liabilities</b>	<b>601,571</b>	<b>515,420</b>
<b><u>Net Position:</u></b>		
Restricted for:		
Operating Reserve	31,000	24,225
Non-Operating Reserve	175,375	200,000
	<u>                    </u>	<u>                    </u>
<b>Total Net Position</b>	<b>206,374</b>	<b>224,225</b>
<b>Total Liabilities &amp; Net Position</b>	<b><u>\$ 807,945</u></b>	<b><u>\$ 739,645</u></b>

**Bedford Coldwater Groundwater Sustainability Authority**  
**CASH RESERVE REPORT**  
**as of September 30, 2021**

<b><u>OPERATING RESERVE</u></b>	
Operating Budget (FY 2022)	124,000
Operating Reserve Target	25%
<b>TOTAL OPERATING RESERVE BALANCE</b>	<b>31,000</b>
<b><u>NON-OPERATING RESERVE</u></b>	
Non-Operating Budget (FY 2022)	701,500
Non-Operating Reserve Target	25%
<b>TOTAL NON-OPERATING RESERVE BALANCE</b>	<b>175,375</b>
<b>TOTAL RESERVE BALANCE</b>	<b>\$ 206,375</b>



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority

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Date: November 18, 2021

To: Board of Directors

From: Deputy Treasurer

**SUBJECT: RATIFICATION OF DEMANDS**

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**RECOMMENDATION:**

1. Ratify the demands listed on the Cash Disbursement Report for the period of August 1, 2021 through October 31, 2021.

**DISCUSSION:**

The Cash Disbursement Report for the period of August 1, 2021 through October 31, 2021 is attached for consideration for approval.

**FISCAL IMPACT:**

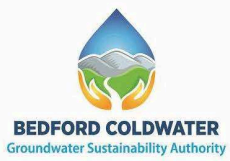
Not applicable.

**ENVIRONMENTAL WORK STATUS:**

Not applicable.

**EXHIBITS/ATTACHMENTS:**

Cash Disbursement Report



Print Date: 11/01/2021

## Payment Ratification Report

Cash Disbursements for 08/01/2021 through 10/31/2021

Check or Reference #	Payment Date	Paid to Vendor	Payment Description	Pmt Type	Payment Amount
236	08/12/2021	GEOSCIENCE	MONITORING WELLS FOR BCGSA – JUNE & JULY 2021	CHECK	5,536.91
237	08/12/2021	TODD GROUNDWATER	BEDFORD COLDWATER GSP – JULY 2021	CHECK	5,810.00
240	08/26/2021	ELSINORE VALLEY MWD	ADMINISTRATIVE FEE – JULY 2021	CHECK	1,000.00
241	08/26/2021	GOLIATH GRAFFIX	DESIGN SERVICES – JUNE & JULY 2021	CHECK	200.00
242	09/16/2021	ELSINORE VALLEY MWD	ADMINISTRATIVE FEE - AUG 2021	CHECK	1,000.00
243	09/16/2021	STANTEC CONSULTING SERVICES	BCGSA ADMINISTRATOR – JULY 2021	CHECK	13,294.80
244	09/23/2021	CALIFORNIA NEWSPAPERS PARTNERSHIPS	ADVERTISEMENT - AUG 2021	CHECK	293.60
245	09/23/2021	GEOSCIENCE	MONITORING WELLS FOR BCGSA – AUG 2021	CHECK	7,944.76
246	09/30/2021	STANTEC CONSULTING SERVICES	BCGSA ADMINISTRATOR – AUG 2021	CHECK	3,288.82
247	10/14/2021	ACWA JOINT POWERS INS AUTH	AUTO & GENERAL LIABILITY ANNUAL PROGRAM 10/1/21-10/1/22	CHECK	1,508.00
248	10/14/2021	ELSINORE VALLEY MWD	ADMINISTRATIVE FEE - SEPT 2021	CHECK	1,000.00
249	10/14/2021	GEOSCIENCE	MONITORING WELLS FOR BCGSA - SEPT 2021	CHECK	1,243.00
250	10/21/2021	ACWA ASSOC OF CA WATER AGENCY	2022 ANNUAL AGENCY DUES	CHECK	2,855.00
251	10/28/2021	OLIVAREZ MADRUGA LEMIEUX ONEIL	LEGAL SERVICES - SEPT 2021	CHECK	1,220.00
252	10/28/2021	TODD GROUNDWATER	BEDFORD COLDWATER GSP – AUG & SEPT 2021	CHECK	18,560.00
<b>WIRE TRANSFERS</b>					
1644075	08/27/2021	BCGSA LAIF TRANSFER	BCGSA CKG TO LAIF	WIRE	148,000.00
1649340	10/20/2021	BCGSA LAIF TRANSFER	BCGSA CKG TO LAIF	WIRE	78,000.00

**Current Payments Issued: \$290,754.89**

Reviewed By: 

Date: Nov 1, 2021



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority

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Date: November 18, 2021

To: Board of Directors

From: Deputy Treasurer

**SUBJECT: BACK-UP INFORMATION FOR MAJOR CONTRACTS**

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**RECOMMENDATION:**

Informational only.

**DISCUSSION:**

Information is being provided for reference purposes.

**FISCAL IMPACT:**

Not applicable.

**ENVIRONMENTAL WORK STATUS:**

Not applicable.

**EXHIBITS/ATTACHMENTS:**

Back-up documentation on major contracts.

## Back-up Information for Major Contracts

Shown on Cash Disbursements for 08/01/2021 through 10/31/2021

Check #	Payment Date	Paid to Vendor	Invoice #	Invoice Date	Payment Amount
237	8/12/2021	Todd Groundwater	80802821	8/8/2021	\$ 5,810.00
243	9/16/2021	Stantec Consulting Svc, Inc.	1823949	8/23/2021	\$ 13,294.80
246	9/30/2021	Stantec Consulting Svc, Inc.	1835810	9/23/2021	\$ 3,288.82
252	10/28/2021	Todd Groundwater	80802921, 808021021	9/8/2021 & 10/8/2021	\$ 18,560.00
<b>Total Amount</b>					<b>\$ 40,953.62</b>

TODD GROUNDWATER, 2490 MARINER SQUARE LOOP, SUITE 215, ALAMEDA CA 94501, US

Invoice No.	Description	Date	Gross Amount	Discount Amount	Net Amount Paid
80802821	BEDFORD COLDWATER GSP	07/31/21	\$5,810.00	\$0.00	\$5,810.00
<b>TOTALS:</b>			<b>\$5,810.00</b>	<b>\$0.00</b>	<b>\$5,810.00</b>

Detach at Perforation Before Depositing Check



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority  
A PUBLIC AGENCY  
31315 Chaney Street  
Lake Elsinore, CA 92531

Bank of America  
Inland Empire RCBO  
P.O. Box 1072  
Riverside, CA 92501  
16-66 / 1220

Check Date
08/12/2021

Number
237

Amount
\$ *****5,810.00

PAY *VOID VOID VOID VOID VOID VOID VOID VOID*

PAY TO THE ORDER OF  
**TODD GROUNDWATER**  
**2490 MARINER SQUARE LOOP**  
**SUITE 215**  
**ALAMEDA CA 94501**  
**US**

**NON-NEGOTIABLE**



# TODD GROUNDWATER

2490 Mariner Square Loop, Suite 215  
 Alameda, CA 94501  
 510/747-6920 Federal ID# 94-2490748

**Received**

AUGUST 11, 2021

**Finance Dept.**

## Invoice

**CONTRACT 803**

**DATE**  
8/8/2021

**INVOICE NO.**  
**80802 821**

**Voucher # 51- 274**

**Vendor # 815**

**Pay Date AUGUST 12, 2021**

**Acct # 51-15-310-110 53140 BCGSP**

**BILL TO:**

Bedford-Coldwater Groundwater Agency  
 Attn: Margie Armstrong  
 31315 Chaney Street  
 Lake Elsinore, CA 92530

**Project No:** 80802- Bedford-Coldwater GSP

**Entered Date 08/11/2021**

DESCRIPTION	HOURS	RATE	AMOUNT
Professional Services in connection with the preparation of the Groundwater Sustainability Plan for the Bedford-Coldwater Groundwater Basin			
Chad Taylor	19.5	245.00	4,777.50
Mike Maley	2	255.00	510.00
Maureen Reilly	2	245.00	490.00
Professional Services Subtotal			5,777.50
Administrative/Secretarial:			
Cynthia Obuchi	0.25	130.00	32.50

Jul 1 - Jul 31

**\$5,810.00**

This invoice is now due and payable. Balances unpaid over 30 days accrue 1.5% interest per month. If payment for previous charges has been sent, please accept our thanks and disregard our reminder of previous unpaid charges.

**Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary**  
 Budget Summary as of: July 31, 2021



Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
<b>Task 1 Resolution of Recommended Field Work</b>						
Invoice for work in August 2019	15.00	\$3,375.00	\$0.00	\$0.00	\$3,375.00	Data and information review and technical memorandum preparation (started 8/6/19)
Invoice for work in September 2019	13.25	\$3,246.25	\$0.00	\$0.00	\$3,246.25	Well siting recommendation review and technical memorandum preparation (ongoing throughout month)
Invoice for work in October 2019	15.00	\$3,375.00	\$0.00	\$0.00	\$3,375.00	Well siting recommendation review, technical memorandum preparation, and response to comments (ongoing throughout month)
Invoice for work in February 2020	12.50	\$3,062.50	\$0.00	\$0.00	\$3,062.50	Response to well siting recommendation comments and memo revisions, revised memo delivered 2/27/20
Invoice for work in April 2020	10.25	\$2,511.25	\$0.00	\$0.00	\$2,511.25	Discussion of additional comments from GSA on monitoring well location recommendations and preparation of additional maps and datasets showing expanded monitoring well location areas, transmitted 4/10/20.
Invoice for work in June 2020	9.75	\$2,388.75	\$280.00	\$0.00	\$2,668.75	Development of additional data for review and identification of existing wells to sample and equip with transducers, and discussion of monitoring well locations, water quality sampling, and transducer installation with GSA.
Invoice for work in July 2020	2.50	\$612.50	\$0.00	\$0.00	\$612.50	Continues discussion of new monitoring well locations, existing wells to sample, and existing wells to equip with transducers with GSA and GSA manager.
Invoice for work in February 2021	5.75	\$1,408.75	\$0.00	\$0.00	\$1,408.75	Assistance with reviewing alternative monitoring well locations and discussions with well design consultant
<b>Task 1 Budget</b>	<b>84.00</b>	<b>\$18,430</b>	<b>\$1,400</b>	<b>\$260</b>	<b>\$20,090</b>	
<b>Task 1 Expenditures</b>	<b>84.00</b>	<b>\$19,980.00</b>	<b>\$280.00</b>	<b>\$0.00</b>	<b>\$20,260.00</b>	
<b>Task 1 Remaining</b>	<b>0.00</b>	<b>-\$1,550.00</b>	<b>\$1,120.00</b>	<b>\$260.00</b>	<b>-\$170.00</b>	
<b>Task 2 Groundwater Modeling</b>						
Invoice for work in September 2019	10.75	\$2,630.00	\$0.00	\$0.00	\$2,630.00	Data review, model options discussions, and model strategy development (started 9/11/19)
Invoice for work in October 2019	38.00	\$9,655.00	\$0.00	\$0.00	\$9,655.00	Data review and model strategy technical memorandum preparation (ongoing throughout month)
Invoice for work in November 2019	24.50	\$6,097.50	\$0.00	\$0.00	\$6,097.50	Model strategy technical memorandum preparation and draft delivery 11/26/2019
Invoice for work in February 2020	12.00	\$3,050.00	\$0.00	\$0.00	\$3,050.00	Model strategy comment review and model data development, integrating comments into modeling strategy and planning for model construction (ongoing throughout month)
	17.75	\$4,476.25	\$0.00	\$0.00	\$4,476.25	Recharge data assessment and quantification for model construction (started 3/1/20)
25-May	69.00	\$17,535.00	\$0.00	\$0.00	\$17,535.00	Finalization of model strategy memorandum and responses to comments (delivered 4/16/20), model grid development and refinement, initial model layering, recharge analysis, and other model construction tasks (ongoing throughout month).
Invoice for work in May 2020	86.75	\$21,981.25	\$0.00	\$0.00	\$21,981.25	Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month)
Invoice for work in June 2020	48.25	\$11,798.75	\$0.00	\$0.00	\$11,798.75	Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month)
Invoice for work in July 2020	64.00	\$13,735.00	\$0.00	\$0.00	\$13,735.00	Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month)
Invoice for work in August 2020	23.50	\$4,896.25	\$70.00	\$0.00	\$4,966.25	Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month)
Invoice for work in September 2020	22.25	\$4,605.00	\$0.00	\$0.00	\$4,605.00	Ongoing model construction including contuing recharge input development, analyzing outflows, and assessing future water demands (ongoing throughout month)
Invoice for work in October 2020	54.00	\$13,770.00	\$0.00	\$0.00	\$13,770.00	Ongoing model construction including contuing recharge input development, establishing model geometry and initial parameterization, analyzing outflows, and preparing for calibration(ongoing throughout month)
Invoice for work in November 2020	107.50	\$27,387.50	\$0.00	\$0.00	\$27,387.50	Ongoing model construction including contuing recharge input development, refining model geometry and parameterization, analyzing outflows, and starting calibration(ongoing throughout month)
Invoice for work in December 2020	40.00	\$10,200.00	\$0.00	\$0.00	\$10,200.00	Ongoing model construction including recharge input revisions, refining model parameterization, analyzing outflows, and continuing calibration(ongoing throughout month)
Invoice for work in January 2021	99.25	\$25,221.25	\$0.00	\$0.00	\$25,221.25	Ongoing model refinement, finalizing recharge inputs and hydrology model datasets, calibration to refine parameterization, and analyzing model output (ongoing throughout month)
Invoice for work in February 2021	85.00	\$21,535.00	\$0.00	\$0.00	\$21,535.00	Ongoing model refinement, calibration to refine parameterization, analyzing model output, and refinement to address water budget questions (ongoing throughout month)
Invoice for work in March 2021	59.00	\$14,826.25	\$0.00	\$0.00	\$14,826.25	Ongoing model refinement, calibration to refine parameterization, analyzing model output, refinement to address water budget questions relating to quarries, and preparation of future growth and climate change scenarios (ongoing throughout month)
Invoice for work in April 2021	110.00	\$27,796.25	\$0.00	\$0.00	\$27,796.25	Numerical model finalization, model output analysis, water budget simulations for historical, current, and future conditions including climate change scenarios (ongoing throughout month)
Invoice for work in May 2021	107.00	\$27,011.25	\$0.00	\$0.00	\$27,011.25	Final model simulations and output analysis for historical, current, and future conditions water budgets, including climate change scenarios (ongoing throughout month)
Invoice for work in June 2021	2.00	\$510.00	\$0.00	\$0.00	\$510.00	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in July 2021	8.75	\$2,163.75	\$0.00	\$0.00	\$2,163.75	Model file cleanup and packaging (ongoing throughout month)
<b>Task 2 Budget</b>	<b>1,628.00</b>	<b>\$372,235</b>	<b>\$4,200</b>	<b>\$520</b>	<b>\$376,955</b>	
<b>Task 2 Expenditures</b>	<b>1,089.25</b>	<b>\$270,881.25</b>	<b>\$70.00</b>	<b>\$0.00</b>	<b>\$270,951.25</b>	
<b>Task 2 Remaining</b>	<b>538.75</b>	<b>\$101,353.75</b>	<b>\$4,130.00</b>	<b>\$520.00</b>	<b>\$106,003.75</b>	
<b>Task 3 Prepare Draft GSP</b>						
Invoice for work in August 2019	40.25	\$8,331.25	\$0.00	\$32.50	\$8,363.75	GSP preparation planning, initial preparation of GSP chapters - Plan Area (started 8/16/19) and Hydrogeologic Conceptual Model (started 8/27/19)
Invoice for work in September 2019	53.50	\$12,852.50	\$140.00	\$32.50	\$13,025.00	Draft Plan Area GSP chapter (Chapter 2) preparation and transmittal to BCGSA 9/25/19 and work on HCM, specifically reviewing data for topography, soils, surficial geology, basin depth, and water levels and quality (ongoing throughout month)
Invoice for work in October 2019	49.25	\$10,566.25	\$0.00	\$0.00	\$10,566.25	Work on HCM chapter (ongoing throughout month, creating topography, soil, and geology maps and drafts of related chapter sections) and beginning work on Groundwater Conditions draft chapter (started 10/5/19)
Invoice for work in November 2019	72.00	\$14,040.00	\$0.00	\$0.00	\$14,040.00	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing topography, soil, and geology figures, starting work on cross sections, modifying basin depth dataset, evaluating groundwater conditions of water levels and quality (ongoing throughout month)
Invoice for work in December 2019	45.75	\$9,198.75	\$0.00	\$0.00	\$9,198.75	Work on HCM and Groundwater Conditions draft chapters, specifically revising continuing basin depth/bedrock surface modifications, water level, and water quality data analysis, and evaluating for the presence of groundwater dependent ecosystems (ongoing throughout month)
Invoice for work in January 2020	67.75	\$14,918.75	\$420.00	\$0.00	\$15,338.75	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing basin depth/bedrock depth modifications and water level analysis and continuing work on water quality analysis and interconnected surface water assessment, revising cross sections, and drafting related sections of HCM and GW Conditions chapters (ongoing throughout month), start on Water Budget data analysis (started 1/27/20), provided background and recommendations regarding management areas (started 1/24/20, sent 1/30/20)
Invoice for work in February 2020	22.50	\$5,512.50	\$0.00	\$0.00	\$5,512.50	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing water quality analysis and figures and cross sections, finalizing water level and water quality GW Conditions chapter sections, starting subsidence analysis, and start evaluation of endangered species (ongoing throughout month), work on Water Budget data analysis, specifically assessing watershed soil moisture balances and surface water flow (ongoing throughout month), discussions and additional information for the development of management areas (sent 2/27/20), preparation of a GSP outline for Stantec to use in the preparation of selected GSP sections (started 2/26/20)
Invoice for work in March 2020	41.50	\$10,267.50	\$0.00	\$0.00	\$10,267.50	Finished draft of HCM and Groundwater Conditions chapters, specifically finalizing assessments of subsidence, interconnected surface water, GDEs, and endangered species and completing related figures and text preparation (ongoing throughout month), work on Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow (ongoing throughout month)
Invoice for work in April 2020	33.25	\$8,223.75	\$140.00	\$0.00	\$8,363.75	Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month)
Invoice for work in May 2020	42.50	\$10,372.50	\$0.00	\$0.00	\$10,372.50	Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) and initiation of sustainability criteria discussion with GSA (started 5/11/20).
Invoice for work in June 2020	10.00	\$2,450.00	\$0.00	\$0.00	\$2,450.00	Reviewing and incorporating comments on draft of HCM and Groundwater Conditions chapters (ongoing throughout month) and development of conceptual sustainability criteria for further discussion with GSA (ongoing throughout month)
Invoice for work in July 2020	16.25	\$3,641.25	\$0.00	\$0.00	\$3,641.25	Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in August 2020	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in September 2020	25.75	\$5,883.75	\$0.00	\$0.00	\$5,883.75	Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria discussion including meeting with GSA member agencies to plan sustainability criteria and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and starting Monitoring Plan chapter of GSP (started 9/10/2020); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in October 2020	32.75	\$7,280.00	\$0.00	\$0.00	\$7,280.00	Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in November 2020	9.50	\$2,242.50	\$0.00	\$0.00	\$2,242.50	Ongoing Water Budget data analysis and draft chapter preparation, finalizing watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in December 2020	18.00	\$3,972.50	\$0.00	\$0.00	\$3,972.50	Ongoing Water Budget data analysis and draft chapter preparation, future water budget component estimation, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in January 2021	7.50	\$1,837.50	\$0.00	\$0.00	\$1,837.50	Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); ongoing drafting of Sustainability Criteria chapter of GSP (ongoing throughout month); refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in February 2021	6.00	\$1,470.00	\$350.00	\$0.00	\$1,820.00	Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); finalization of administrative draft of Sustainability Criteria chapter of GSP (ongoing throughout month); finalization of administrative draft Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in March 2021	29.25	\$7,166.25	\$420.00	\$0.00	\$7,586.25	Ongoing Water Budget draft chapter preparation, future water budget scenario refinement, and draft water budget writing, (ongoing throughout month); presentation of administrative draft of Sustainability Criteria chapter of GSP to GSA (ongoing throughout month); presentation of administrative draft Monitoring Plan chapter of GSP to GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in April 2021	55.75	\$13,658.75	\$2,030.00	\$0.00	\$15,688.75	Water Budget draft chapter finalization and presentation to GSA for review (4/26/21), including future water budget and climate change assessment (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters for consistency with numerical model and re-submittal to GSA (ongoing throughout month, drafts resubmitted 4/29/21); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in May 2021	52.50	\$13,425.00	\$0.00	\$0.00	\$13,425.00	Refinement and discussion of Water Budget draft chapter (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters following discussion with GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
<b>Task 3 Budget</b>	<b>927.00</b>	<b>\$216,065</b>	<b>\$22,400</b>	<b>\$1,040</b>	<b>\$239,505</b>	
<b>Task 3 Expenditures</b>	<b>735.50</b>	<b>\$168,291.25</b>	<b>\$3,500.00</b>	<b>\$65.00</b>	<b>\$171,856.25</b>	
<b>Task 3 Remaining</b>	<b>191.50</b>	<b>\$47,773.75</b>	<b>\$18,900.00</b>	<b>\$975.00</b>	<b>\$67,648.75</b>	

**Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary**  
 Budget Summary as of: July 31, 2021



Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
<b>Task 4 Comments on the Draft GSP</b>						
Invoice for work in April 2021	4.50	\$1,102.50	\$0.00	\$0.00	\$1,102.50	Responding to GSP comments and making edits to draft GSP chapters completed to date (started 4/6/21)
Invoice for work in May 2021	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Continuing to respond to comments on the GSP made by the GSA and revising individual chapters for complete GSP compilation (ongoing)
<b>Task 4 Budget</b>	<b>9.00</b>	<b>\$2,230</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,230</b>	
<b>Task 4 Expenditures</b>	<b>8.50</b>	<b>\$2,082.50</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,082.50</b>	
<b>Task 4 Remaining</b>	<b>0.50</b>	<b>\$147.50</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$147.50</b>	
<b>Task 5 Revised Draft GSP</b>						
Invoice for work in May 2021	64.75	\$15,863.75	\$1,960.00	\$0.00	\$17,823.75	Compiling complete GSP from individual chapters and preparing for public draft release (started 5/3/21)
Invoice for work in June 2021	31.75	\$7,878.75	\$0.00	\$0.00	\$7,878.75	Compiling complete GSP from individual chapters and preparing for public draft release (Finished 6/3/2021)
<b>Task 5 Budget</b>	<b>105.00</b>	<b>\$25,375</b>	<b>\$2,800</b>	<b>\$130</b>	<b>\$28,305</b>	
<b>Task 5 Expenditures</b>	<b>96.50</b>	<b>\$23,742.50</b>	<b>\$1,960.00</b>	<b>\$0.00</b>	<b>\$25,702.50</b>	
<b>Task 5 Remaining</b>	<b>8.50</b>	<b>\$1,632.50</b>	<b>\$840.00</b>	<b>\$130.00</b>	<b>\$2,602.50</b>	
<b>Task 6 Final Draft GSP Based on Public Comments</b>						
<b>Task 6 Budget</b>	<b>70.00</b>	<b>\$16,875</b>	<b>\$4,200</b>	<b>\$130</b>	<b>\$21,205</b>	
<b>Task 6 Expenditures</b>	<b>0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
<b>Task 6 Remaining</b>	<b>70.00</b>	<b>\$16,875.00</b>	<b>\$4,200.00</b>	<b>\$130.00</b>	<b>\$21,205.00</b>	
<b>Task 7 Project Management and Meetings</b>						
Invoice for work in September 2019	2.50	\$612.50	\$0.00	\$0.00	\$612.50	Project management
Invoice for work in October 2019	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in November 2019	4.00	\$980.00	\$0.00	\$32.50	\$1,012.50	Project management
Invoice for work in December 2019	1.00	\$245.00	\$0.00	\$32.50	\$277.50	Project management
Invoice for work in January 2020	1.00	\$245.00	\$0.00	\$32.50	\$277.50	Project management
Invoice for work in February 2020	1.50	\$367.50	\$0.00	\$32.50	\$400.00	Project management
Invoice for work in March 2020	1.75	\$428.75	\$0.00	\$32.50	\$461.25	Project management
Invoice for work in April 2020	1.50	\$367.50	\$0.00	\$32.50	\$400.00	Project management
Invoice for work in May 2020	1.75	\$428.75	\$0.00	\$32.50	\$461.25	Project management
Invoice for work in June 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in July 2020	2.75	\$680.00	\$0.00	\$32.50	\$712.50	Project management
Invoice for work in August 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in September 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in October 2020	35.75	\$8,758.75	\$0.00	\$32.50	\$8,791.25	Project management and meetings with GSA member agency managers
Invoice for work in November 2020	22.75	\$5,573.75	\$0.00	\$32.50	\$5,606.25	Project management and meetings with GSA member agency managers
Invoice for work in December 2020	17.00	\$4,165.00	\$0.00	\$32.50	\$4,197.50	Project management and meetings with GSA member agency managers
Invoice for work in January 2021	25.75	\$6,308.75	\$0.00	\$32.50	\$6,341.25	Project management and meetings with GSA member agency managers
Invoice for work in February 2021	15.50	\$3,797.50	\$0.00	\$32.50	\$3,830.00	Project management and meetings with GSA member agency managers
Invoice for work in March 2021	15.75	\$3,858.75	\$0.00	\$32.50	\$3,891.25	Project management and meetings with GSA member agency managers
Invoice for work in April 2021	7.75	\$1,898.75	\$0.00	\$32.50	\$1,931.25	Project management and meetings with GSA member agency managers
Invoice for work in May 2021	10.50	\$2,572.50	\$0.00	\$32.50	\$2,605.00	Project management and meetings with GSA member agency managers
Invoice for work in June 2021	2.50	\$612.50	\$0.00	\$32.50	\$645.00	Project management and meetings with GSA member agency managers
Invoice for work in July 2021	0.00	\$0.00	\$0.00	\$0.00	\$0.00	Project management and meetings with GSA member agency managers
<b>Task 7 Budget</b>	<b>312.00</b>	<b>\$77,515</b>	<b>\$4,200</b>	<b>\$1,170</b>	<b>\$82,885</b>	
<b>Task 7 Expenditures</b>	<b>193.75</b>	<b>\$47,475.00</b>	<b>\$0.00</b>	<b>\$715.00</b>	<b>\$48,190.00</b>	
<b>Task 7 Remaining</b>	<b>118.25</b>	<b>\$30,040.00</b>	<b>\$4,200.00</b>	<b>\$455.00</b>	<b>\$34,695.00</b>	
Invoice Total for work in August 2019 (dated September 8, 2019)	55.25	\$11,706.25	\$0.00	\$32.50	\$11,738.75	- Data and information review and technical memorandum preparation (started 8/6/19) - GSP preparation planning, initial preparation of GSP chapters - Plan Area (started 8/16/19) and Hydrogeologic Conceptual Model (started 8/27/19)
Invoice Total for work in September 2019 (dated October 8, 2019)	80.00	\$19,341.25	\$140.00	\$32.50	\$19,513.75	- Well siting recommendation review and technical memorandum preparation (ongoing throughout month) - Data review, model options discussions, and model strategy development (started 9/11/19) - Draft Plan Area GSP chapter (Chapter 2) preparation and transmittal to BCGSA 9/25/19 and work on HCM, specifically reviewing data for topography, soils, surficial geology, basin depth, and water levels and quality (ongoing throughout month) - Project management
Invoice Total for work in October 2019 (dated November 8, 2019)	104.25	\$24,086.25	\$0.00	\$32.50	\$24,118.75	- Well siting recommendation review, technical memorandum preparation, and response to comments (ongoing throughout month) - Data review and model strategy technical memorandum preparation (ongoing throughout month) - Work on HCM chapter (ongoing throughout month, creating topography, soil, and geology maps and drafts of related chapter sections) and beginning work on Groundwater Conditions draft chapter (started 10/5/19) - Project management
Invoice Total for work in November 2019 (dated December 8, 2019)	100.50	\$21,117.50	\$0.00	\$32.50	\$21,150.00	- Model strategy technical memorandum preparation and draft delivery 11/26/2019 - Work on HCM and Groundwater Conditions draft chapters, specifically finalizing topography, soil, and geology figures, starting work on cross sections, modifying basin depth dataset, evaluating groundwater conditions of water levels and quality (ongoing throughout month) - Project management
Invoice Total for work in December 2019 (dated January 8, 2020)	46.75	\$9,443.75	\$0.00	\$32.50	\$9,476.25	- Work on HCM and Groundwater Conditions draft chapters, specifically revising continuing basin depth/bedrock surface modifications, water level, and water quality data analysis, and evaluating for the presence of groundwater dependent ecosystems (ongoing throughout month) - Project management
Invoice Total for work in January 2020 (dated February 8, 2020)	68.75	\$15,163.75	\$420.00	\$32.50	\$15,616.25	- Work on HCM and Groundwater Conditions draft chapters, specifically finalizing basin depth/bedrock depth modifications and water level analysis and continuing work on water quality analysis and interconnected surface water assessment, revising cross sections, and drafting related sections of HCM and GW Conditions chapters (ongoing throughout month), start on Water Budget data analysis (started 1/27/20), provided background and recommendations regarding management areas (started 1/24/20, sent 1/30/20) - Project management
Invoice Total for work in February 2020 (dated March 8, 2020)	48.50	\$11,992.50	\$0.00	\$32.50	\$12,025.00	- Response to well siting recommendation comments and memo revisions, revised memo delivered 2/27/20 - Model strategy comment review and model data development, integrating comments into modeling strategy and planning for model construction (ongoing throughout month) - Work on HCM and Groundwater Conditions draft chapters, specifically finalizing water quality analysis and figures and cross sections, finalizing water level and water quality GW Conditions chapter sections, starting subsidence analysis, and start evaluation of endangered species (ongoing throughout month), work on Water Budget data analysis, specifically assessing watershed soil moisture balances and surface water flow (ongoing throughout month), discussions and additional information for the development of management areas (sent 2/27/20), preparation of a GSP outline for Stantec to use in the preparation of selected GSP sections (started 2/26/20) - Project management
Invoice Total for work in March 2020 (dated April 8, 2020)	61.00	\$15,172.50	\$0.00	\$32.50	\$15,205.00	- Recharge data assessment and quantification for model construction (started 3/1/20) - Finished draft of HCM and Groundwater Conditions chapters, specifically finalizing assessments of subsidence, interconnected surface water, GDEs, and endangered species and completing related figures and text preparation (ongoing throughout month), work on Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow (ongoing throughout month) - Project management
Invoice Total for work in April 2020 (dated May 8, 2020)	114.00	\$28,637.50	\$140.00	\$32.50	\$28,810.00	- Discussion of additional comments from GSA on monitoring well location recommendations and preparation of additional maps and datasets showing expanded monitoring well location areas, transmitted 4/10/20. - Finalization of model strategy memorandum and responses to comments (delivered 4/16/20), model grid development and refinement, initial model layering, recharge analysis, and other model construction tasks (ongoing throughout month). - Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) - Project management
Invoice Total for work in May 2020 (dated June 8, 2020)	131.00	\$32,782.50	\$0.00	\$32.50	\$32,815.00	- Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month) - Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) and initiation of sustainability criteria discussion with GSA (started 5/11/20). - Project management
Invoice Total for work in June 2020 (dated July 8, 2020)	70.00	\$17,127.50	\$280.00	\$32.50	\$17,440.00	- Development of additional data for review and identification of existing wells to sample and equip with transducers, and discussion of monitoring well locations, water quality sampling, and transducer installation with GSA. - Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month) - Reviewing and incorporating comments on draft of HCM and Groundwater Conditions chapters (ongoing throughout month) and development of conceptual sustainability criteria for further discussion with GSA (ongoing throughout month) - Project management
Invoice Total for work in July 2020 (dated August 8, 2020)	85.50	\$18,668.75	\$0.00	\$32.50	\$18,701.25	- Continues discussion of new monitoring well locations, existing wells to sample, and existing wells to equip with transducers with GSA and GSA manager. - Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month) - Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in August 2020 (dated September 8, 2020)	29.50	\$6,366.25	\$70.00	\$32.50	\$6,468.75	- Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month) - Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in September 2020 (dated October 8, 2020)	50.00	\$10,978.75	\$0.00	\$32.50	\$11,011.25	- Ongoing model construction including contuing recharge input development, analyzing outflows, and assessing future water demands (ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria discussion including meeting with GSA member agencies to plan sustainability criteria and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and starting Monitoring Plan chapter of GSP (started 9/10/2020); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in October 2020 (dated November 8, 2020)	122.50	\$29,808.75	\$0.00	\$32.50	\$29,841.25	- Ongoing model construction including contuing recharge input development, establishing model geometry and initial parameterization, analyzing outflows, and preparing for calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers

**Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary**  
 Budget Summary as of: July 31, 2021



Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
Invoice Total for work in November 2020 (dated December 8, 2020)	139.75	\$35,203.75	\$0.00	\$32.50	\$35,236.25	- Ongoing model construction including contuing recharge input development, refining model geometry and parameterization, analyzing outflows, and starting calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, finalizing watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in December 2020 (dated January 8, 2021)	75.00	\$18,337.50	\$0.00	\$32.50	\$18,370.00	- Ongoing model construction including recharge input revisions, refining model parameterization, analyzing outflows, and continuing calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, future water budget component estimation, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in January 2021 (dated February 8, 2021)	132.50	\$33,367.50	\$0.00	\$32.50	\$33,400.00	- Ongoing model refinement, finalizing recharge inputs and hydrology model datasets, calibration to refine parameterization, and analyzing model output (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); ongoing drafting of Sustainability Criteria chapter of GSP (ongoing throughout month); refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in February 2021 (dated March 8, 2021)	112.25	\$28,211.25	\$350.00	\$32.50	\$28,593.75	- Assitance with reviewing alternative monitoring well locations and discussions with well design consultant Ongoing model refinement, calibration to refine parameterization, analyzing model output, and refinement to address water budget questions (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); finalization of adminstrative draft of Sustainability Criteria chapter of GSP (ongoing throughout month); finalization of adminstrative draft Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in March 2021 (dated April 8, 2021)	104.00	\$25,851.25	\$420.00	\$32.50	\$26,303.75	- Ongoing model refinement, calibration to refine parameterization, analyzing model output, refinement to address water budget questions relating to quarries, and preparation of future growth and climate change scenarios (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario refinement, and draft water budget writing, (ongoing throughout month); presentation of adminstrative draft of Sustainability Criteria chapter of GSP to GSA (ongoing throughout month); presentation of adminstrative draft Monitoring Plan chapter of GSP to GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in April 2021 (dated May 8, 2021)	178.00	\$44,456.25	\$2,030.00	\$32.50	\$46,518.75	- Numerical model finalization, model output analysis, water budget simulations for historical, current, and future conditions including climate change scenarios (ongoing throughout month) - Water Budget draft chapter finalization and presentation to GSA for review (4/26/21), including future water budget and climate change assessment (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters for consistency with numerical model and re-submittal to GSA (ongoing throughout month, drafts resubmitted 4/29/21); and other GSP chapter planning with GSA manager (ongoing throughout month). - Responding to GSP comments and making edits to draft GSP chapters completed to date (started 4/6/21) - Project management and meetings with GSA member agency managers
Invoice Total for work in May 2021 (dated June 8, 2021)	238.75	\$59,852.50	\$1,960.00	\$32.50	\$61,845.00	- Final model simulations and output analysis for historical, current, and future conditions water budgets, including climate change scenarios (ongoing throughout month) - Refinement and discussion of Water Budget draft chapter (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters following discussion with GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Continuing to respond to comments on the GSP made by the GSA and revising individual chapters for complete GSP compilation (ongiong throughout the month) - Compiling complete GSP from individual chapters and preparing for public draft release (started 5/3/21) - Project management and meetings with GSA member agency managers
Invoice Total for work in June 2021 (dated July 8, 2021)	36.25	\$9,001.25	\$0.00	\$32.50	\$9,033.75	- Model file cleanup and packaging (ongoing throughtout month) - Compiling complete GSP from individual chapters and preparing for public draft release (Finished 6/3/2021) - Project management and meetings with GSA member agency managers
Invoice Total for work in July 2021 (dated July 8, 2021)	23.50	\$5,777.50	\$0.00	\$32.50	\$5,810.00	- Model file cleanup and packaging (ongoing throughtout month) - Project management and meetings with GSA member agency managers
<b>Total Budget</b>	<b>3,135.00</b>	<b>\$728,725</b>	<b>\$39,200</b>	<b>\$3,250</b>	<b>\$771,175</b>	
<b>Total Expenditures</b>	<b>2,207.50</b>	<b>\$ 532,452.50</b>	<b>\$ 5,810.00</b>	<b>\$ 780.00</b>	<b>\$ 539,042.50</b>	
<b>Total Remaining</b>	<b>927.50</b>	<b>\$ 196,272.50</b>	<b>\$ 33,390.00</b>	<b>\$ 2,470.00</b>	<b>\$ 232,132.50</b>	
	<b>29.6%</b>	<b>26.9%</b>	<b>85.2%</b>	<b>76.0%</b>	<b>30.1%</b>	

**From:** [Margie Armstrong](#)  
**To:** [AP](#)  
**Subject:** FW: Todd Groundwater Bedford-Coldwater GSP July 2021 Invoice and Status Summary  
**Date:** Wednesday, August 11, 2021 9:39:39 AM  
**Attachments:** [Todd Groundwater Invoice, Bedford-Coldwater GSP - August 8, 2021.pdf](#)

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Hi Maria & Nicole,

Please accept this email as my approval for payment of the attached invoice.

Thank You

Margie

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**From:** Victor Harris <victor@hhwaterresources.com>  
**Sent:** Wednesday, August 11, 2021 8:57 AM  
**To:** Sofia Almeida <salmeida@evmwd.net>; Margie Armstrong <margie@evmwd.net>  
**Cc:** Shugart, Kelly <kelly.shugart@stantec.com>  
**Subject:** Todd Groundwater Bedford-Coldwater GSP July 2021 Invoice and Status Summary

[\*External E-mail alert! Use caution before clicking links/attachments\* ]

Margie and Sofia,

Please find Todd Groundwater's invoice for July. We have reviewed the invoice and recommend payment.

Thank you,

Victor



STANTEC CONSULTING SERVICES, 13980 COLLECTIONS CENTER DRIVE, CHICAGO IL 60693, US

Invoice No.	Description	Date	Gross Amount	Discount Amount	Net Amount Paid
1823949	BCGSA - ADMINISTRATOR	08/23/21	\$13,294.80	\$0.00	\$13,294.80
<b>TOTALS:</b>			<b>\$13,294.80</b>	<b>\$0.00</b>	<b>\$13,294.80</b>

Detach at Perforation Before Depositing Check



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority  
A PUBLIC AGENCY  
31315 Chaney Street  
Lake Elsinore, CA 92531

Bank of America  
Inland Empire RCBO  
P.O. Box 1072  
Riverside, CA 92501  
16-66 / 1220

Check Date
09/16/2021

Number
243

Amount
\$ ****13,294.80

PAY *VOID VOID VOID VOID VOID VOID VOID VOID*

PAY TO THE ORDER OF  
**STANTEC CONSULTING SERVICES**  
**13980 COLLECTIONS CENTER DRIVE**  
**CHICAGO IL 60693**  
**US**

**NON-NEGOTIABLE**



INVOICE

Received

SEPT10, 2021

M. ARMSTRONG

**APPROVED**

Invoice Number  
Invoice Date  
Customer Number  
Project Number

Finance Dept.

1823949  
August 23, 2021  
147409  
185865160

Bill To

BedfordColdwater Groudwater Sustainability Authority  
Accounts Payable  
31315 Chaney St  
Lake Elsinore CA 92531  
United States

Please Remit To

Stantec Consulting Services Inc. (SCSI)  
13980 Collections Center Drive  
Chicago IL 60693  
United States  
Federal Tax ID  
11-2167170

Project Description: Bedford Coldwater GW Sustainability Authority - Administrator **Voucher # 51- 276**

Stantec Project Manager: Lapus, Kevin A  
Contract No: 525  
Authorization Amount: \$401,659.32  
Authorization Previously Billed: \$303,049.42  
Authorization Billed to Date: \$316,344.22  
Current Invoice Due: \$13,294.80  
Period Starting Date: July 1, 2021  
For Period Ending: August 1, 2021

**Vendor # 21 P005**  
**Pay Date SEPT 16, 2021**  
**Acct # SEE BELOW**  
**Entered Date 09/14/2021**

Attention : Margie Armstrong  
Title: Deputy Treasurer

51-15-310-110-53140-BCGSP \$12,356.48  
51-15-310-110-53140 938.32  
\$13,294.80

INVOICE

Invoice Number

1823949

Project Number

185865160

**Top Task 001 Grant Administration**

**Low Task 001.1 Grant Administration**

**Professional Services**

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	28.50	104.00	2,964.00
	<u>28.50</u>		<u>2,964.00</u>
<b>Professional Services Subtotal</b>	<u>28.50</u>		<u>2,964.00</u>

**Disbursements**

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA23	2021-08-01	700.00	0.00	700.00
Flat Rate Disbursement 8% of 2,964.00	2021-08-01			237.12
<b>Disbursements Subtotal</b>				<u>937.12</u>

**Low Task 001.1 Subtotal 3,901.12**

**Top Task 001 Total 3,901.12**

**Top Task 002 Planning Activities**

**Low Task 002.1 Project Management**

**Professional Services**

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	1.50	104.00	156.00



**INVOICE**

**Invoice Number**

1823949

**Project Number**

185865160

	<u>1.50</u>		<u>156.00</u>
Senior Project Accountant MacDonnell, Colleen	0.30	89.00	26.70
	<u>0.30</u>		<u>26.70</u>
<b>Professional Services Subtotal</b>	<u>1.80</u>		<u>182.70</u>

**Disbursements**

	<b>Date</b>	<b>Cost</b>	<b>%</b>	<b>Current Amount</b>
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA23	2021-08-01	325.00	0.00	325.00
Flat Rate Disbursement 8% of 182.70	2021-08-01			14.62
<b>Disbursements Subtotal</b>				<u>339.62</u>

**Low Task 002.1 Subtotal** **522.32**

**Low Task 002.2**      **Monthly Conference Calls**

**Professional Services**

<b>Billing Level</b>	<b>Hours</b>	<b>Rate</b>	<b>Current Amount</b>
Junior Engineer/Scientist Shugart, Kelly K	1.00	104.00	104.00
	<u>1.00</u>		<u>104.00</u>
<b>Professional Services Subtotal</b>	<u>1.00</u>		<u>104.00</u>

**Disbursements**

	<b>Date</b>	<b>Cost</b>	<b>%</b>	<b>Current Amount</b>
Flat Rate Disbursement 8% of 104.00	2021-08-01			8.32
<b>Disbursements Subtotal</b>				<u>8.32</u>

INVOICE

Invoice Number

1823949

Project Number

185865160

Low Task 002.2 Subtotal 112.32

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Low Task 002.3 TVWD Meetings

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA23	2021-08-01	300.00	0.00	300.00
<b>Disbursements Subtotal</b>				<b>300.00</b>

Low Task 002.3 Subtotal 300.00

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Low Task 002.4 GSA Web Site

Professional Services

Billing Level		Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K		2.50	104.00	260.00
		<b>2.50</b>		<b>260.00</b>
<b>Professional Services Subtotal</b>				<b>260.00</b>

Disbursements

	Date	Cost	%	Current Amount
Flat Rate Disbursement 8% of 260.00				
	2021-08-01			20.80
<b>Disbursements Subtotal</b>				<b>20.80</b>

Low Task 002.4 Subtotal 280.80

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Low Task 002.6 Outreach Activities

Professional Services

INVOICE

Invoice Number

1823949

Project Number

185865160

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	17.00	104.00	1,768.00
	<u>17.00</u>		<u>1,768.00</u>
<b>Professional Services Subtotal</b>	<u>17.00</u>		<u>1,768.00</u>

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA23	2021-08-01	3,300.00	0.00	3,300.00
Shugart, Kelly K US3450102	2021-07-02	56.48	0.00	56.48
Flat Rate Disbursement 8% of 1,768.00	2021-08-01			141.44
<b>Disbursements Subtotal</b>				<u>3,497.92</u>

**Low Task 002.6 Subtotal** **5,265.92**

**Low Task 002.8 Subcontractor Management**

Professional Services

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	1.00	104.00	104.00
	<u>1.00</u>		<u>104.00</u>
<b>Professional Services Subtotal</b>	<u>1.00</u>		<u>104.00</u>

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA23	2021-08-01	600.00	0.00	600.00

INVOICE

Invoice Number

1823949

Project Number

185865160

Flat Rate Disbursement  
8% of 104.00

2021-08-01

8.32

**Disbursements Subtotal**

**608.32**

**Low Task 002.8 Subtotal**

**712.32**

**Low Task 002.9                   GSP Governance Sections**

**Disbursements**

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA23	2021-08-01	2,200.00	0.00	2,200.00
<b>Disbursements Subtotal</b>				<b>2,200.00</b>

**Low Task 002.9 Subtotal**

**2,200.00**

**Top Task 002 Total**

**9,393.68**

Total Fees & Disbursements

\$13,294.80

**INVOICE TOTAL (USD)**

**\$13,294.80**

Billing Backup

Date	Project	Task	Expnd Type	Employee/Supplier	Quantity	Bill Rate	Bill Amount	Comment	AP Ref. #
2021-07-13	185865160	1.1	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
2021-07-14	185865160	1.1	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
2021-07-19	185865160	1.1	Direct - Regular	SHUGART, KELLY K	1.50	104.00	156.00		
2021-07-20	185865160	1.1	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
2021-07-21	185865160	1.1	Direct - Regular	SHUGART, KELLY K	6.00	104.00	624.00		
2021-07-22	185865160	1.1	Direct - Regular	SHUGART, KELLY K	8.00	104.00	832.00		
2021-07-23	185865160	1.1	Direct - Regular	SHUGART, KELLY K	2.00	104.00	208.00		
2021-07-26	185865160	1.1	Direct - Regular	SHUGART, KELLY K	2.00	104.00	208.00		
2021-07-28	185865160	1.1	Direct - Regular	SHUGART, KELLY K	3.00	104.00	312.00		
2021-07-29	185865160	1.1	Direct - Regular	SHUGART, KELLY K	3.00	104.00	312.00		
<b>Total subTask 1.1</b>					<b>28.50</b>		<b>\$2,964.00</b>		
2021-07-08	185865160	2.1	Direct - Regular	MACDONNELL, COLLEEN	0.30	89.00	26.70	REVIEW H&H RESOURCES JUNE INV.; CORRESP. W/B.HOWELL. COORD W/K.MCKINNON, K.LAPUS.	
2021-07-16	185865160	2.1	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
2021-07-29	185865160	2.1	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
<b>Total subTask 2.1</b>					<b>1.80</b>		<b>\$182.70</b>		
2021-07-08	185865160	2.2	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
<b>Total subTask 2.2</b>					<b>1.00</b>		<b>\$104.00</b>		
2021-07-01	185865160	2.4	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-07-08	185865160	2.4	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-07-16	185865160	2.4	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-07-30	185865160	2.4	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
<b>Total subTask 2.4</b>					<b>2.50</b>		<b>\$260.00</b>		
2021-07-01	185865160	2.6	Direct - Regular	SHUGART, KELLY K	3.00	104.00	312.00		
2021-07-02	185865160	2.6	Direct - Regular	SHUGART, KELLY K	5.00	104.00	520.00		
2021-07-08	185865160	2.6	Direct - Regular	SHUGART, KELLY K	2.00	104.00	208.00		
2021-07-13	185865160	2.6	Direct - Regular	SHUGART, KELLY K	3.00	104.00	312.00		
2021-07-15	185865160	2.6	Direct - Regular	SHUGART, KELLY K	2.50	104.00	260.00		
2021-07-16	185865160	2.6	Direct - Regular	SHUGART, KELLY K	1.50	104.00	156.00		
<b>Total subTask 2.6</b>					<b>17.00</b>		<b>\$1,768.00</b>		
2021-07-07	185865160	2.8	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-07-19	185865160	2.8	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
<b>Total subTask 2.8</b>					<b>1.00</b>		<b>\$104.00</b>		
<b>Total Project 185865160</b>					<b>51.80</b>		<b>\$5,382.70</b>		



Stantec Consulting Services, Inc.  
[Stantec.Accounts.Payable.Invoices@Stantec.com](mailto:Stantec.Accounts.Payable.Invoices@Stantec.com)

Remit to: H & H Water Resources, LLC  
1446 Highland Ave.  
Glendale, CA 91202

For Professional Services Rendered during the Period of 7/01/2021 to 7/31/2021

Invoice Number: STBCGSA-23

Date: 8/1/2021

Stantec Project No: 185865160

Authorization No: S20182-N

Project Name: Bedford Coldwater Groundwater Sustainability Authority-Administrator

Client: Stantec

<u>Billing Level</u>	<u>Name</u>	<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
Principal	Harris, Victor	\$200.00	36.5	\$7,300.00
Project Administrator	Howell, Belinda	\$125.00	1.0	\$125.00
			<b>Labor Total</b>	<b>37.5</b>
				<b>\$7,425.00</b>
<b>Invoice Total</b>				<b>\$7,425.00</b>

Total Authorized Amount: \$114,900.00

Billed this Invoice: \$7,425.00

Total Invoiced to Date: \$77,777.95

Amt. Remaining: \$37,122.05

% Complete: 68%

% of Authorized Amount Invoiced to Date: 68%

Coding:

185865160.001.1 = \$ 700.00

185865160.002.1 = \$ 325.00

185865160.002.3 = \$ 300.00

185865160.002.6 = \$ 3,300.00

185865160.002.8 = \$ 600.00

185865160.002.9 = \$ 2,200.00

Date	Project	Task	Name	Hours	Rate	Amount	Description of Work Performed
07/28/21	185865160	1.1	Harris, Victor	2.5	\$ 200	\$ 500.00	Review and comment on draft progress report and invoice. Revise spreadsheet for percent complete. Transmit comments to K. Shugart of Stantec.
07/29/21	185865160	1.1	Harris, Victor	1.0	\$ 200	\$ 200.00	Finalize spreadsheet for percent complete for grant progress report. Discuss with K. Shugart of Stantec
		<b>1.1 Total</b>		<b>3.5</b>		<b>\$ 700.00</b>	
07/06/21	185865160	2.1	Harris, Victor	1.0	\$ 200	\$ 200.00	Develop agenda and slides for upcoming meeting on 7/8/21, transmit to EVMWD. Discuss upcoming agenda with Parag and Margie of EVMWD.
07/05/21	185865160	2.1	Howell, Belinda	0.8	\$ 125	\$ 100.00	project and document support
07/07/21	185865160	2.1	Howell, Belinda	0.2	\$ 125	\$ 25.00	project and document support
		<b>2.1 Total</b>		<b>2.0</b>		<b>\$ 325.00</b>	
07/29/21	185865160	2.3	Harris, Victor	1.5	\$ 200	\$ 300.00	Develop staff reports for BCGSA board meeting on Aug 19 regarding selection of drilling contractors and Amend 2 for Geoscience
		<b>2.3 Total</b>		<b>1.5</b>		<b>\$ 300.00</b>	
07/01/21	185865160	2.6	Harris, Victor	1.0	\$ 200	\$ 200.00	Discuss public meeting slides and project deliverables with K. Shugart of Stantec. Call M. Weil of DWR to update and review progress.
07/06/21	185865160	2.6	Harris, Victor	3.0	\$ 200	\$ 600.00	Discuss new well locations with Steve Peck of KOK construction. Transmit relevant section of GSP for his reference. Later telecon with EVMWD regarding logistics of upcoming public meeting.
07/08/21	185865160	2.6	Harris, Victor	3.0	\$ 200	\$ 600.00	Review/update slides for public meeting, write into text for Jeff Pape. Telecon with EVMWD re: logistics of public meeting
07/12/21	185865160	2.6	Harris, Victor	1.5	\$ 200	\$ 300.00	Review slides for public meeting presentation
07/13/21	185865160	2.6	Harris, Victor	2.5	\$ 200	\$ 500.00	Go over slides for presentation. Discuss with K. Shugart of Stantec. Add slides. Practice telecon with Terese of EVMWD.
07/15/21	185865160	2.6	Harris, Victor	3.5	\$ 200	\$ 700.00	Prepare for and present public meeting presentation
07/16/21	185865160	2.6	Harris, Victor	1.0	\$ 200	\$ 200.00	Review and comment on stakeholder meeting notes
07/19/21	185865160	2.6	Harris, Victor	1.0	\$ 200	\$ 200.00	Review and comment on public meeting summary
		<b>2.6 Total</b>		<b>16.5</b>		<b>\$ 3,300.00</b>	
07/08/21	185865160	2.8	Harris, Victor	1.0	\$ 200	\$ 200.00	Review invoice from Geoscience, email to Geoscience discuss with Terry Watson.
07/14/21	185865160	2.8	Harris, Victor	0.5	\$ 200	\$ 100.00	Review June invoice from Todd Groundwater and transmit to EVMWD
07/27/21	185865160	2.8	Harris, Victor	0.5	\$ 200	\$ 100.00	Review PlanetBids submittal. Email Kelia of EVMWD and T. Watkins of Geoscience.
07/29/21	185865160	2.8	Harris, Victor	1.0	\$ 200	\$ 200.00	Review and comment on pre-bid agenda. Discuss agenda and meeting time with T. Watkins of Geoscience. Email EVMWD re time
		<b>2.8 Total</b>		<b>3.0</b>		<b>\$ 600.00</b>	
07/13/21	185865160	2.9	Harris, Victor	2.5	\$ 200	\$ 500.00	Review/edit short form front end documents for Geoscience. Transmit to Geoscience and EVMWD
07/14/21	185865160	2.9	Harris, Victor	1.5	\$ 200	\$ 300.00	Review front specifications modified by Geoscience. Email comments to EVMWD and Geoscience.
07/20/21	185865160	2.9	Harris, Victor	2.5	\$ 200	\$ 500.00	Review and comment on IFB short form for monitoring wells, transmit to Terry Watkins at Geoscience
07/22/21	185865160	2.9	Harris, Victor	4.5	\$ 200	\$ 900.00	Review front end docs for mont. well RFP. Develop text for specifications based on grant requirements. Discuss with Terry Watkins of Geoscience. Discuss with P. Kalaria of EVMWD
		<b>2.9 Total</b>		<b>11.0</b>		<b>\$ 2,200.00</b>	
		<b>Grand Total</b>		<b>37.5</b>		<b>\$ 7,425.00</b>	

Billing Backup for Stantec Invoice Number:

STBCGSA-23

Expense Report: US3450102



Name: Shugart, Kelly K; 113153  
 Expense Dates: 2021-07-02 to 2021-07-02  
 BC: 2256  
 Last Approver: Stewart, Benjamin F  
 Purpose: Stakeholder meeting BCGSA

Submit Date: 2021-07-12  
 Lines Missing Receipt: 0  
 Report Total: 56.48 USD  
 Reimbursement Total: .00 USD

Payment Method	Date	Expense Type	Receipt Amount	Reimb. Amount	Mileage	Merchant Name	Expense Location	Project No.	Task No.
1 Credit Card	2021-07-02	Direct - Other Direct Expenses	56.48 USD	56.48	0	OFFICE DEPOT #2784		185865160	002.6
Justification: Mailing supplies for stakeholder meeting invitation									



25% off qualifying reg. priced purchase Apply coupon |



Only \$36.99 Boise® X-9® Copy

paper, 10-reams Shop now

**Office DEPOT**  
**OfficeMax**

Order Date 07/02/2021 1:06pm

## Order Details

### Pickup

**Office DEPOT**

2620 W. Anderson Lane  
Austin, TX 78757 USA  
(512) 380-0196

### Payment

Amount: \$56.48



\*\*\*8110

### Additional Info

Ordered By:

KELLY.SHUGART@STANTEC.CO  
M

Phone: (512) 694-0772

# Store Pickup 1 of 1

ORDER NUMBER	ORDER STATUS	TOTAL
179940533-001	Picked up	\$56.48

Pickup on Jul 2, 2021



Avery® Easy Peel® Address Labels With Sure Feed™ Technology,  
8160, 1" x 2 5/8", White, Box Of 750  
Item #574566

Qty: 1 @ \$15.59 / pack

**\$15.59**

Eco Conscious



Office Depot® Brand Lift & Press™ Premium Security Envelopes, #10,  
4-1/8" x 9-1/2", 100% Recycled, White, Pack Of 100 Envelopes  
Item #190114

Qty: 1 @ \$19.99 / pack

**\$19.99**

Eco Conscious Recycled Content

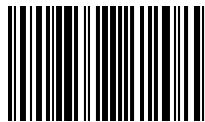


USPS FOREVER® STAMPS, Booklet of 20 Postage Stamps, Stamp  
Design May Vary  
Item #541545

Qty: 2 @ \$11.00 / each

**\$22.00**

Store Purchase



179940533 001

Subtotal:	\$57.58
Discounts:	- \$1.10

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<b>Total</b>	<b>\$56.48</b>
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**Services Performed During the Invoice Period of (7/1/2021-8/1/2021)**

Staff	1. Grant Administration	2. Planning Activities									Staff Totals
	1.1 Grant Administration	2.1 Project Management	2.2 Monthly Conference Calls (plus 2 extra)	2.3 Meetings at TVWD	2.4 GSA Web Site (monthly maintenance)	2.5 SharePoint Site (monthly maintenance)	2.6 Outreach Activities	2.7 RFP Development	2.8 Subcontractor Management	2.9 GSP Governance Sections	
Victor Harris	3.5	1		1.5			16.5		3	11	36.5
Kelly Shugart	28.5	1.5	1		2.5		17		1		51.5
Colleen MacDonnell		0.3									0.3
Belinda Howell		1									1
<b>Task Totals</b>	<b>32</b>	<b>3.8</b>	<b>1</b>	<b>1.5</b>	<b>2.5</b>	<b>0</b>	<b>33.5</b>	<b>0</b>	<b>4</b>	<b>11</b>	<b>89.3</b>

**The Following Services Were Performed During the Performance Period of (7/1/2021-8/1/2021)**

During this period, the following activities were completed during this invoice period for As-Needed Services for the GSA:

Task 1.1

- Review and edit Q2 2021 invoice and progress report
- Update spreadsheet for percent complete for grant progress report
- Prepare Q2 2021 invoice and progress report and submit to DWR
- Incorporate edits and submit Q2 2021 v2 to DWR

Task 2.1

- Pre-meeting call to discuss monthly agenda (7/6/21)
- Monthly financial accounting and reporting

Task 2.2

- Prepare agenda, meeting summary, and attend monthly teleconference (7/8/21)

Task 2.3

- Develop staff report for BCGSA Board meeting regarding drilling contractors and Geoscience amendment

Task 2.4

- Update website with stakeholder meeting details
- Update website hosting account with EVMWD details

Task 2.6

- Review and update stakeholder presentation slides
- Purchase mailing supplies for stakeholder meeting announcement letters
- Prepare and mail stakeholder meeting announcement letters
- Prepare stakeholder survey for after public meeting
- Practice presentation and zoom call logistics
- Finalize presentation slides
- Prepare for and present public meeting presentation slides (7/15/21)
- Prepare, edit, and finalize stakeholder meeting summary
- Review and comment on stakeholder meeting summary

Task 2.8

- Review PlanetBids submittal and discuss with Geoscience
- Review and comment on pre-bid agenda
- Discuss pre-bid agenda with Geoscience
- Subcontractor management and coordination

Task 2.9

- Review and edit short form documents for new monitoring wells from Geoscience
- Review modified MW front specifications from Geoscience
- Review documents for MW RFP and develop text for specs from grant requirements

**From:** [Margie Armstrong](#)  
**To:** [AP](#)  
**Subject:** 202107\_BCGSA\_invoice.pdf  
**Date:** Friday, September 10, 2021 8:17:33 AM  
**Attachments:** [202107\\_BCGSA\\_invoice.pdf](#)

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Hi Maria,

Please accept my email as approval for payment of the attached invoice.

Thank You.

STANTEC CONSULTING SERVICES, 13980 COLLECTIONS CENTER DRIVE, CHICAGO IL 60693, US

Invoice No.	Description	Date	Gross Amount	Discount Amount	Net Amount Paid
1835810	BCGSA GW SUSTAINABILITY AUTHORITY - ADMIN	09/01/21	\$3,288.82	\$0.00	\$3,288.82
<b>TOTALS:</b>			<b>\$3,288.82</b>	<b>\$0.00</b>	<b>\$3,288.82</b>

Detach at Perforation Before Depositing Check



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority  
A PUBLIC AGENCY  
31315 Chaney Street  
Lake Elsinore, CA 92531

Bank of America  
Inland Empire RCBO  
P.O. Box 1072  
Riverside, CA 92501  
16-66 / 1220

Check Date
09/30/2021

Number
246

Amount
\$ *****3,288.82

PAY *VOID VOID VOID VOID VOID VOID VOID VOID*

PAY TO THE ORDER OF **STANTEC CONSULTING SERVICES**  
**13980 COLLECTIONS CENTER DRIVE**  
**CHICAGO IL 60693**  
**US**

**NON-NEGOTIABLE**



Received

SEPT 24 2021

Finance Dept.

INVOICE

**Invoice Number** 1835810  
**Invoice Date** September 23, 2021  
**Customer Number** 147409  
**Project Number** 185865160

**Bill To**

BedfordColdwater Groudwater Sustainability Authority  
 Accounts Payable  
 31315 Chaney St  
 Lake Elsinore CA 92531  
 United States

**Please Remit To**

Stantec Consulting Services Inc. (SCSI)  
 13980 Collections Center Drive  
 Chicago IL 60693  
 United States  
 Federal Tax ID  
 11-2167170

**Project Description:** Bedford Coldwater GW Sustainability Authority - Administrator

**Stantec Project Manager:** Lapus, Kevin A  
**Contract No:** 525  
**Authorization Amount:** \$401,659.32  
**Authorization Previously Billed:** \$316,344.22  
**Authorization Billed to Date:** \$319,633.04  
**Current Invoice Due:** \$3,288.82  
**Period Start Date:** August 2, 2021  
**For Period Ending:** September 1, 2021

**Voucher #** 51-281  
**Vendor #** 21 P005  
**Pay Date** SEPT 30 2021  
**Acct #** SEE BELOW  
**Entered Date** 09/27/21

**Attention :**

**Title:** Margie Armstrong  
 Deputy Treasurer

51-15-310-110-53140-BCGSP	\$2,108.00	
51-15-310-110-53140	1,180.82	
<b>Total</b>	<b>\$3,288.82</b>	2.0

Due upon receipt or in accordance with terms of the contract

INVOICE

Invoice Number

1835810

Project Number

185865160

**Top Task 001 Grant Administration**

**Low Task 001.1 Grant Administration**

**Professional Services**

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	3.50	104.00	364.00
	<b>3.50</b>		<b>364.00</b>
<b>Professional Services Subtotal</b>	<b>3.50</b>		<b>364.00</b>

**Disbursements**

	Date	Cost	%	Current Amount
Flat Rate Disbursement 8% of 364.00	2021-09-01			29.12
<b>Disbursements Subtotal</b>				<b>29.12</b>

**Low Task 001.1 Subtotal 393.12**

**Top Task 001 Total 393.12**

**Top Task 002 Planning Activities**

**Low Task 002.1 Project Management**

**Professional Services**

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	5.00	104.00	520.00
	<b>5.00</b>		<b>520.00</b>
Senior Project Accountant MacDonnell, Colleen	0.30	89.00	26.70

INVOICE

Invoice Number

1835810

Project Number

185865160

	<u>0.30</u>	<u>26.70</u>
<b>Professional Services Subtotal</b>	<u>5.30</u>	<u>546.70</u>

**Disbursements**

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA24	2021-09-01	287.50	0.00	287.50
Flat Rate Disbursement 8% of 546.70	2021-09-01			43.74
<b>Disbursements Subtotal</b>				<u>331.24</u>

**Low Task 002.1 Subtotal** **877.94**

**Low Task 002.2**                      **Monthly Conference Calls**

**Professional Services**

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	1.50	104.00	156.00
	<u>1.50</u>		<u>156.00</u>
<b>Professional Services Subtotal</b>	<u>1.50</u>		<u>156.00</u>

**Disbursements**

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA24	2021-09-01	100.00	0.00	100.00
Flat Rate Disbursement 8% of 156.00	2021-09-01			12.48
<b>Disbursements Subtotal</b>				<u>112.48</u>



INVOICE

Invoice Number

1835810

Project Number

185865160

Low Task 002.2 Subtotal

268.48

Low Task 002.3

TVWD Meetings

**Professional Services**

**Billing Level**

Junior Engineer/Scientist  
Shugart, Kelly K

Hours

Rate

Current  
Amount

2.00

104.00

208.00

**2.00**

**208.00**

**Professional Services Subtotal**

**2.00**

**208.00**

**Disbursements**

Date

Cost

%

Current  
Amount

Direct - Other Direct Expenses

H & H Water Resources LLC  
STBCGSA24

2021-09-01

300.00

0.00

300.00

Flat Rate Disbursement  
8% of 208.00

2021-09-01

16.64

**Disbursements Subtotal**

**316.64**

Low Task 002.3 Subtotal

524.64

Low Task 002.6

Outreach Activities

**Disbursements**

Direct - Other Direct Expenses

H & H Water Resources LLC  
STBCGSA24

2021-09-01

100.00

0.00

100.00

**Disbursements Subtotal**

**100.00**

Low Task 002.6 Subtotal

100.00

**INVOICE**

**Invoice Number**

1835810

**Project Number**

185865160

**Low Task 002.8**

**Subcontractor Management**

**Professional Services**

**Billing Level**

Junior Engineer/Scientist  
Shugart, Kelly K

**Hours**

**Rate**

**Current  
Amount**

2.00

104.00

208.00

**2.00**

**208.00**

**Professional Services Subtotal**

**2.00**

**208.00**

**Disbursements**

**Date**

**Cost**

**%**

**Current  
Amount**

Direct - Other Direct Expenses

H & H Water Resources LLC  
STBCGSA24

2021-09-01

900.00

0.00

900.00

Flat Rate Disbursement  
8% of 208.00

2021-09-01

16.64

**Disbursements Subtotal**

**916.64**

**Low Task 002.8 Subtotal**

**1,124.64**

**Top Task 002 Total**

**2,895.70**

Total Fees & Disbursements

\$3,288.82

**INVOICE TOTAL (USD)**

**\$3,288.82**

Billing Backup

Date	Project	Task	Expnd Type	Employee/Supplier	Quantity	Bill Rate	Bill Amount	Comment	AP Ref. #
2021-08-03	185865160	1.1	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
2021-08-09	185865160	1.1	Direct - Regular	SHUGART, KELLY K	1.50	104.00	156.00		
2021-08-26	185865160	1.1	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
<b>Total subTask 1.1</b>					<b>3.50</b>		<b>\$364.00</b>		
2021-08-05	185865160	2.1	Direct - Regular	MACDONNELL, COLLEEN	0.30	89.00	26.70	REVW H&H JULY PERIOD INV.; COORD W/K.MCKINNON AP.	
2021-08-04	185865160	2.1	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
2021-08-10	185865160	2.1	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-08-11	185865160	2.1	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-08-12	185865160	2.1	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-08-23	185865160	2.1	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
2021-08-26	185865160	2.1	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-08-30	185865160	2.1	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
<b>Total subTask 2.1</b>					<b>5.30</b>		<b>\$546.70</b>		
2021-08-09	185865160	2.2	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-08-12	185865160	2.2	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
<b>Total subTask 2.2</b>					<b>1.50</b>		<b>\$156.00</b>		
2021-08-05	185865160	2.3	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
2021-08-06	185865160	2.3	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
<b>Total subTask 2.3</b>					<b>2.00</b>		<b>\$208.00</b>		
2021-08-03	185865160	2.8	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
2021-08-04	185865160	2.8	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
<b>Total subTask 2.8</b>					<b>2.00</b>		<b>\$208.00</b>		
<b>Total Project</b>					<b>14.30</b>		<b>\$1,482.70</b>		



Stantec Consulting Services, Inc.  
[Stantec.Accounts.Payable.Invoices@Stantec.com](mailto:Stantec.Accounts.Payable.Invoices@Stantec.com)

Remit to: H & H Water Resources, LLC  
1446 Highland Ave.  
Glendale, CA 91202

For Professional Services Rendered during the Period of 8/01/2021 to 8/31/2021

Invoice Number: STBCGSA-24

Date: 9/1/2021

Stantec Project No: 185865160

Authorization No: S20182-N

Project Name: Bedford Coldwater Groundwater Sustainability Authority-Administrator

Client: Stantec

<u>Billing Level</u>	<u>Name</u>	<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
Principal	Harris, Victor	\$200.00	7.5	\$1,500.00
Project Administrator	Howell, Belinda	\$125.00	1.5	\$187.50
<b>Labor Total</b>			<b>9.0</b>	<b>\$1,687.50</b>
<b>Invoice Total</b>				<b>\$1,687.50</b>

Total Authorized Amount: \$114,900.00

Billed this Invoice: \$1,687.50

Total Invoiced to Date: \$79,465.45

Amt. Remaining: \$35,434.55

% Complete: 69%

% of Authorized Amount Invoiced to Date: 69%

Coding:

185865160.002.1 = \$ 287.50

185865160.002.2 = \$ 100.00

185865160.002.3 = \$ 300.00

185865160.002.6 = \$ 100.00

185865160.002.8 = \$ 900.00

Date	Project	Task	Name	Hours	Rate	Amount	Description of Work Performed
08/10/21	185865160	2.1	Harris, Victor	0.5	\$ 200	\$ 100.00	Telecon with EVMWD regarding upcoming staff meeting.
08/03/21	185865160	2.1	Howell, Belinda	1.0	\$ 125	\$ 125.00	project and document support
08/04/21	185865160	2.1	Howell, Belinda	0.5	\$ 125	\$ 62.50	project and document support
		<b>2.1 Total</b>		<b>2.0</b>		<b>\$ 287.50</b>	
08/12/21	185865160	2.2	Harris, Victor	0.5	\$ 200	\$ 100.00	Group call with staff. Review/comment on meeting summary from K. Shugart
		<b>2.2 Total</b>		<b>0.5</b>		<b>\$ 100.00</b>	
08/06/21	185865160	2.3	Harris, Victor	1.0	\$ 200	\$ 200.00	Review/revise administrators update and schedule. Send to Sofia of EVMWD
08/09/21	185865160	2.3	Harris, Victor	0.5	\$ 200	\$ 100.00	Finalize agenda for Board packet
		<b>2.3 Total</b>		<b>1.5</b>		<b>\$ 300.00</b>	
08/09/21	185865160	2.6	Harris, Victor	0.5	\$ 200	\$ 100.00	Respond to Angel An of OCWD regarding information about BCGSA
		<b>2.6 Total</b>		<b>0.5</b>		<b>\$ 100.00</b>	
08/03/21	185865160	2.8	Harris, Victor	1.0	\$ 200	\$ 200.00	Pre-bid meeting with Geoscience to review monitoring well construction. Discuss schedule with T. Watkins of Geoscience
08/10/21	185865160	2.8	Harris, Victor	1.0	\$ 200	\$ 200.00	Review invoices from Geoscience. Discuss activity dates with Geoscience staff. Review/approve revised invoices.
08/11/21	185865160	2.8	Harris, Victor	1.0	\$ 200	\$ 200.00	Review monthly invoice from Todd groundwater. Discuss Todd assisting with annual report. Discuss with M. Armstrong of EVMWD
08/27/21	185865160	2.8	Harris, Victor	1.5	\$ 200	\$ 300.00	Telecon with EVMWD and BCGSA attorney re: evaluation of bids from well drilling contractors. Discuss responsibilities with Terry Watkins of Geoscience
		<b>2.8 Total</b>		<b>4.5</b>		<b>\$ 900.00</b>	
		<b>Grand Total</b>		<b>9.0</b>		<b>\$ 1,687.50</b>	

Billing Backup for Stantec Invoice Number:

STBCGSA-24

**Services Performed During the Invoice Period of (8/2/2021-9/1/2021)**

Staff	1. Grant Administration	2. Planning Activities									Staff Totals
	1.1 Grant Administration	2.1 Project Management	2.2 Monthly Conference Calls (plus 2 extra)	2.3 Meetings at TVWD	2.4 GSA Web Site (monthly maintenance)	2.5 SharePoint Site (monthly maintenance)	2.6 Outreach Activities	2.7 RFP Development	2.8 Subcontractor Management	2.9 GSP Governance Sections	
Victor Harris		0.5	0.5	1.5			0.5		4.5		<b>7.5</b>
Kelly Shugart	3.5	5	1.5	2					2		<b>14</b>
Colleen MacDonnell		0.3									<b>0.3</b>
Belinda Howell		1.5									<b>1.5</b>
<b>Task Totals</b>	<b>3.5</b>	<b>7.3</b>	<b>2</b>	<b>3.5</b>	<b>0</b>	<b>0</b>	<b>0.5</b>	<b>0</b>	<b>6.5</b>	<b>0</b>	<b>23.3</b>

**The Following Services Were Performed During the Performance Period of (8/2/2021-9/1/2021)**

During this period, the following activities were completed during this invoice period for As-Needed Services for the GSA:

Task 1.1

- Q2 2021 invoice packet and progress report edits
- Prepare response to DWR questions to clarify invoice

Task 2.1

- Discuss upcoming Staff meeting agenda
- Discuss plan for administrator replacement with EVMWD
- Prepare scope and duties of new administrator
- Monthly financial accounting and reporting

Task 2.2

- Prepare agenda, meeting summary, and attend monthly teleconference (8/12/2021)
- Review meeting summary from monthly meeting

Task 2.3

- Prepare administrator's update for upcoming Board meeting
- Review and revise administrator's update and schedule for Board meeting
- Attendance at and preparation for one JPA Board meeting (8/19/2021)

Task 2.6

- Respond to Angel An of OCWD regarding information about BCGSA

Task 2.8

- Pre-bid meeting with Geoscience to review monitoring well construction and schedule
- Discuss activity dates with Geoscience
- Discuss first annual report with Todd Groundwater and EVMWD
- Call with EVMWD and BCGSA attorney regarding evaluation of well drilling contractor bids
- Subcontractor management and coordination

**From:** [Margie Armstrong](#)  
**To:** [AP](#)  
**Subject:** FW: 202108 BCGSA Stantec invoice  
**Date:** Friday, September 24, 2021 12:00:57 PM  
**Attachments:** [202108 BCGSA invoice.pdf](#)

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Maria & Nicole,

Please accept this email as my approval for payment of the attached invoice.

Thank You.

TODD GROUNDWATER, 2490 MARINER SQUARE LOOP, SUITE 215, ALAMEDA CA 94501, US

Invoice No.	Description	Date	Gross Amount	Discount Amount	Net Amount Paid
808021021	BEDFORD COLDWATER GSP	10/08/21	\$12,618.75	\$0.00	\$12,618.75
80802921	BEDFORD COLDWATER GSP	08/31/21	\$5,941.25	\$0.00	\$5,941.25
<b>TOTALS:</b>			<b>\$18,560.00</b>	<b>\$0.00</b>	<b>\$18,560.00</b>

Detach at Perforation Before Depositing Check



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority  
A PUBLIC AGENCY  
31315 Chaney Street  
Lake Elsinore, CA 92531

Bank of America  
Inland Empire RCBO  
P.O. Box 1072  
Riverside, CA 92501  
16-66 / 1220

Check Date
10/28/2021

Number
252

Amount
\$ ****18,560.00

PAY *VOID VOID VOID VOID VOID VOID VOID VOID VOID*

PAY TO THE ORDER OF  
**TODD GROUNDWATER**  
**2490 MARINER SQUARE LOOP**  
**SUITE 215**  
**ALAMEDA CA 94501**  
**US**

**NON-NEGOTIABLE**



Received

OCT 27 2021

Finance Dept.

# TODD GROUNDWATER

2490 Mariner Square Loop, Suite 215  
Alameda, CA 94501  
510/747-6920 Federal ID# 94-2490748

## Invoice

DATE 9/8/2021  
INVOICE NO. 80802 921

CONTRACT #803  
Voucher # 51-289  
Vendor # 815  
Pay Date OCT 28 2021  
Acct # 51-15-310-110-53140 BCGSP  
Entered Date 10/27/21

**BILL TO:**

Bedford-Coldwater Groundwater Agency  
Attn: Margie Armstrong  
31315 Chaney Street  
Lake Elsinore, CA 92530

**Project No:** 80802- Bedford-Coldwater GSP

DESCRIPTION	HOURS	RATE	AMOUNT
Professional Services in connection with the preparation of the Groundwater Sustainability Plan for the Bedford-Coldwater Groundwater Basin			
Chad Taylor	12.75	245.00	3,123.75
Mike Maley	9	255.00	2,295.00
Maureen Reilly	2	245.00	490.00
Professional Services Subtotal			5,908.75
Administrative/Secretarial:			
Cynthia Obuchi	0.25	130.00	32.50

Aug 1 - Aug 31 \$5,941.25

This invoice is now due and payable. Balances unpaid over 30 days accrue 1.5% interest per month. If payment for previous charges has been sent, please accept our thanks and disregard our reminder of previous unpaid charges.

**Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary**  
 Budget Summary as of: August 31, 2021



Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
<b>Task 1 Resolution of Recommended Field Work</b>						
Invoice for work in August 2019	15.00	\$3,375.00	\$0.00	\$0.00	\$3,375.00	Data and information review and technical memorandum preparation (started 8/6/19)
Invoice for work in September 2019	13.25	\$3,246.25	\$0.00	\$0.00	\$3,246.25	Well siting recommendation review and technical memorandum preparation (ongoing throughout month)
Invoice for work in October 2019	15.00	\$3,375.00	\$0.00	\$0.00	\$3,375.00	Well siting recommendation review, technical memorandum preparation, and response to comments (ongoing throughout month)
Invoice for work in February 2020	12.50	\$3,062.50	\$0.00	\$0.00	\$3,062.50	Response to well siting recommendation comments and memo revisions, revised memo delivered 2/27/20
Invoice for work in April 2020	10.25	\$2,511.25	\$0.00	\$0.00	\$2,511.25	Discussion of additional comments from GSA on monitoring well location recommendations and preparation of additional maps and datasets showing expanded monitoring well location areas, transmitted 4/10/20.
Invoice for work in June 2020	9.75	\$2,388.75	\$280.00	\$0.00	\$2,668.75	Development of additional data for review and identification of existing wells to sample and equip with transducers, and discussion of monitoring well locations, water quality sampling, and transducer installation with GSA.
Invoice for work in July 2020	2.50	\$612.50	\$0.00	\$0.00	\$612.50	Continues discussion of new monitoring well locations, existing wells to sample, and existing wells to equip with transducers with GSA and GSA manager.
Invoice for work in February 2021	5.75	\$1,408.75	\$0.00	\$0.00	\$1,408.75	Assistance with reviewing alternative monitoring well locations and discussions with well design consultant
<b>Task 1 Budget</b>	<b>84.00</b>	<b>\$18,430</b>	<b>\$1,400</b>	<b>\$260</b>	<b>\$20,090</b>	
<b>Task 1 Expenditures</b>	<b>84.00</b>	<b>\$19,980.00</b>	<b>\$280.00</b>	<b>\$0.00</b>	<b>\$20,260.00</b>	
<b>Task 1 Remaining</b>	<b>0.00</b>	<b>-\$1,550.00</b>	<b>\$1,120.00</b>	<b>\$260.00</b>	<b>-\$170.00</b>	
<b>Task 2 Groundwater Modeling</b>						
Invoice for work in September 2019	10.75	\$2,630.00	\$0.00	\$0.00	\$2,630.00	Data review, model options discussions, and model strategy development (started 9/11/19)
Invoice for work in October 2019	38.00	\$9,655.00	\$0.00	\$0.00	\$9,655.00	Data review and model strategy technical memorandum preparation (ongoing throughout month)
Invoice for work in November 2019	24.50	\$6,097.50	\$0.00	\$0.00	\$6,097.50	Model strategy technical memorandum preparation and draft delivery 11/26/2019
Invoice for work in February 2020	12.00	\$3,050.00	\$0.00	\$0.00	\$3,050.00	Model strategy comment review and model data development, integrating comments into modeling strategy and planning for model construction (ongoing throughout month)
	17.75	\$4,476.25	\$0.00	\$0.00	\$4,476.25	Recharge data assessment and quantification for model construction (started 3/1/20)
25-May	69.00	\$17,535.00	\$0.00	\$0.00	\$17,535.00	Finalization of model strategy memorandum and responses to comments (delivered 4/16/20), model grid development and refinement, initial model layering, recharge analysis, and other model construction tasks (ongoing throughout month).
Invoice for work in May 2020	86.75	\$21,981.25	\$0.00	\$0.00	\$21,981.25	Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month)
Invoice for work in June 2020	48.25	\$11,798.75	\$0.00	\$0.00	\$11,798.75	Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month)
Invoice for work in July 2020	64.00	\$13,735.00	\$0.00	\$0.00	\$13,735.00	Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month)
Invoice for work in August 2020	23.50	\$4,896.25	\$70.00	\$0.00	\$4,966.25	Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month)
Invoice for work in September 2020	22.25	\$4,605.00	\$0.00	\$0.00	\$4,605.00	Ongoing model construction including contuing recharge input development, analyzing outflows, and assessing future water demands (ongoing throughout month)
Invoice for work in October 2020	54.00	\$13,770.00	\$0.00	\$0.00	\$13,770.00	Ongoing model construction including contuing recharge input development, establishing model geometry and initial parameterization, analyzing outflows, and preparing for calibration(ongoing throughout month)
Invoice for work in November 2020	107.50	\$27,387.50	\$0.00	\$0.00	\$27,387.50	Ongoing model construction including contuing recharge input development, refining model geometry and parameterization, analyzing outflows, and starting calibration(ongoing throughout month)
Invoice for work in December 2020	40.00	\$10,200.00	\$0.00	\$0.00	\$10,200.00	Ongoing model construction including recharge input revisions, refining model parameterization, analyzing outflows, and continuing calibration(ongoing throughout month)
Invoice for work in January 2021	99.25	\$25,221.25	\$0.00	\$0.00	\$25,221.25	Ongoing model refinement, finalizing recharge inputs and hydrology model datasets, calibration to refine parameterization, and analyzing model output (ongoing throughout month)
Invoice for work in February 2021	85.00	\$21,535.00	\$0.00	\$0.00	\$21,535.00	Ongoing model refinement, calibration to refine parameterization, analyzing model output, and refinement to address water budget questions (ongoing throughout month)
Invoice for work in March 2021	59.00	\$14,826.25	\$0.00	\$0.00	\$14,826.25	Ongoing model refinement, calibration to refine parameterization, analyzing model output, refinement to address water budget questions relating to quarries, and preparation of future growth and climate change scenarios (ongoing throughout month)
Invoice for work in April 2021	110.00	\$27,796.25	\$0.00	\$0.00	\$27,796.25	Numerical model finalization, model output analysis, water budget simulations for historical, current, and future conditions including climate change scenarios (ongoing throughout month)
Invoice for work in May 2021	107.00	\$27,011.25	\$0.00	\$0.00	\$27,011.25	Final model simulations and output analysis for historical, current, and future conditions water budgets, including climate change scenarios (ongoing throughout month)
Invoice for work in June 2021	2.00	\$510.00	\$0.00	\$0.00	\$510.00	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in July 2021	8.75	\$2,163.75	\$0.00	\$0.00	\$2,163.75	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in August 2021	9.00	\$2,295.00	\$0.00	\$0.00	\$2,295.00	Model file cleanup and packaging (ongoing throughout month)
<b>Task 2 Budget</b>	<b>1,628.00</b>	<b>\$372,235</b>	<b>\$4,200</b>	<b>\$520</b>	<b>\$376,955</b>	
<b>Task 2 Expenditures</b>	<b>1,098.25</b>	<b>\$273,176.25</b>	<b>\$70.00</b>	<b>\$0.00</b>	<b>\$273,246.25</b>	
<b>Task 2 Remaining</b>	<b>529.75</b>	<b>\$99,058.75</b>	<b>\$4,130.00</b>	<b>\$520.00</b>	<b>\$103,708.75</b>	
<b>Task 3 Prepare Draft GSP</b>						
Invoice for work in August 2019	40.25	\$8,331.25	\$0.00	\$32.50	\$8,363.75	GSP preparation planning, initial preparation of GSP chapters - Plan Area (started 8/16/19) and Hydrogeologic Conceptual Model (started 8/27/19)
Invoice for work in September 2019	53.50	\$12,852.50	\$140.00	\$32.50	\$13,025.00	Draft Plan Area GSP chapter (Chapter 2) preparation and transmittal to BCGSA 9/25/19 and work on HCM, specifically reviewing data for topography, soils, surficial geology, basin depth, and water levels and quality (ongoing throughout month)
Invoice for work in October 2019	49.25	\$10,566.25	\$0.00	\$0.00	\$10,566.25	Work on HCM chapter (ongoing throughout month, creating topography, soil, and geology maps and drafts of related chapter sections) and beginning work on Groundwater Conditions draft chapter (started 10/5/19)
Invoice for work in November 2019	72.00	\$14,040.00	\$0.00	\$0.00	\$14,040.00	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing topography, soil, and geology figures, starting work on cross sections, modifying basin depth dataset, evaluating groundwater conditions of water levels and quality (ongoing throughout month)
Invoice for work in December 2019	45.75	\$9,198.75	\$0.00	\$0.00	\$9,198.75	Work on HCM and Groundwater Conditions draft chapters, specifically revising continuing basin depth/bedrock surface modifications, water level, and water quality data analysis, and evaluating for the presence of groundwater dependent ecosystems (ongoing throughout month)
Invoice for work in January 2020	67.75	\$14,918.75	\$420.00	\$0.00	\$15,338.75	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing basin depth/bedrock depth modifications and water level analysis and continuing work on water quality analysis and interconnected surface water assessment, revising cross sections, and drafting related sections of HCM and GW Conditions chapters (ongoing throughout month), start on Water Budget data analysis (started 1/27/20), provided background and recommendations regarding management areas (started 1/24/20, sent 1/30/20)
Invoice for work in February 2020	22.50	\$5,512.50	\$0.00	\$0.00	\$5,512.50	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing water quality analysis and figures and cross sections, finalizing water level and water quality GW Conditions chapter sections, starting subsidence analysis, and start evaluation of endangered species (ongoing throughout month), work on Water Budget data analysis, specifically assessing watershed soil moisture balances and surface water flow (ongoing throughout month), discussions and additional information for the development of management areas (sent 2/27/20), preparation of a GSP outline for Stantec to use in the preparation of selected GSP sections (started 2/26/20)
Invoice for work in March 2020	41.50	\$10,267.50	\$0.00	\$0.00	\$10,267.50	Finished draft of HCM and Groundwater Conditions chapters, specifically finalizing assessments of subsidence, interconnected surface water, GDEs, and endangered species and completing related figures and text preparation (ongoing throughout month), work on Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow (ongoing throughout month)
Invoice for work in April 2020	33.25	\$8,223.75	\$140.00	\$0.00	\$8,363.75	Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month)
Invoice for work in May 2020	42.50	\$10,372.50	\$0.00	\$0.00	\$10,372.50	Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) and initiation of sustainability criteria discussion with GSA (started 5/11/20).
Invoice for work in June 2020	10.00	\$2,450.00	\$0.00	\$0.00	\$2,450.00	Reviewing and incorporating comments on draft of HCM and Groundwater Conditions chapters (ongoing throughout month) and development of conceptual sustainability criteria for further discussion with GSA (ongoing throughout month)
Invoice for work in July 2020	16.25	\$3,641.25	\$0.00	\$0.00	\$3,641.25	Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in August 2020	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in September 2020	25.75	\$5,883.75	\$0.00	\$0.00	\$5,883.75	Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria discussion including meeting with GSA member agencies to plan sustainability criteria and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and starting Monitoring Plan chapter of GSP (started 9/10/2020); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in October 2020	32.75	\$7,280.00	\$0.00	\$0.00	\$7,280.00	Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in November 2020	9.50	\$2,242.50	\$0.00	\$0.00	\$2,242.50	Ongoing Water Budget data analysis and draft chapter preparation, finalizing watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in December 2020	18.00	\$3,972.50	\$0.00	\$0.00	\$3,972.50	Ongoing Water Budget data analysis and draft chapter preparation, future water budget component estimation, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in January 2021	7.50	\$1,837.50	\$0.00	\$0.00	\$1,837.50	Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); ongoing drafting of Sustainability Criteria chapter of GSP (ongoing throughout month); refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in February 2021	6.00	\$1,470.00	\$350.00	\$0.00	\$1,820.00	Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); finalization of administrative draft of Sustainability Criteria chapter of GSP (ongoing throughout month); finalization of administrative draft Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in March 2021	29.25	\$7,166.25	\$420.00	\$0.00	\$7,586.25	Ongoing Water Budget draft chapter preparation, future water budget scenario refinement, and draft water budget writing, (ongoing throughout month); presentation of administrative draft of Sustainability Criteria chapter of GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in April 2021	55.75	\$13,658.75	\$2,030.00	\$0.00	\$15,688.75	Water Budget draft chapter finalization and presentation to GSA for review (4/26/21), including future water budget and climate change assessment (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters for consistency with numerical model and re-submittal to GSA (ongoing throughout month, drafts resubmitted 4/29/21); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in May 2021	52.50	\$13,425.00	\$0.00	\$0.00	\$13,425.00	Refinement and discussion of Water Budget draft chapter (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters following discussion with GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
<b>Task 3 Budget</b>	<b>927.00</b>	<b>\$216,065</b>	<b>\$22,400</b>	<b>\$1,040</b>	<b>\$239,505</b>	
<b>Task 3 Expenditures</b>	<b>735.50</b>	<b>\$168,291.25</b>	<b>\$3,500.00</b>	<b>\$65.00</b>	<b>\$171,856.25</b>	
<b>Task 3 Remaining</b>	<b>191.50</b>	<b>\$47,773.75</b>	<b>\$18,900.00</b>	<b>\$975.00</b>	<b>\$67,648.75</b>	

**Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary**  
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Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
<b>Task 4 Comments on the Draft GSP</b>						
Invoice for work in April 2021	4.50	\$1,102.50	\$0.00	\$0.00	\$1,102.50	Responding to GSP comments and making edits to draft GSP chapters completed to date (started 4/6/21)
Invoice for work in May 2021	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Continuing to respond to comments on the GSP made by the GSA and revising individual chapters for complete GSP compilation (ongoing)
<b>Task 4 Budget</b>	<b>9.00</b>	<b>\$2,230</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,230</b>	
<b>Task 4 Expenditures</b>	<b>8.50</b>	<b>\$2,082.50</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,082.50</b>	
<b>Task 4 Remaining</b>	<b>0.50</b>	<b>\$147.50</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$147.50</b>	
<b>Task 5 Revised Draft GSP</b>						
Invoice for work in May 2021	64.75	\$15,863.75	\$1,960.00	\$0.00	\$17,823.75	Compiling complete GSP from individual chapters and preparing for public draft release (started 5/3/21)
Invoice for work in June 2021	31.75	\$7,878.75	\$0.00	\$0.00	\$7,878.75	Compiling complete GSP from individual chapters and preparing for public draft release (Finished 6/3/2021)
Invoice for work in August 2021	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Reviewing initial comment notification and data request messages and coordinating responses (ongoing throughout month)
<b>Task 5 Budget</b>	<b>105.00</b>	<b>\$25,375</b>	<b>\$2,800</b>	<b>\$130</b>	<b>\$28,305</b>	
<b>Task 5 Expenditures</b>	<b>100.50</b>	<b>\$24,722.50</b>	<b>\$1,960.00</b>	<b>\$0.00</b>	<b>\$26,682.50</b>	
<b>Task 5 Remaining</b>	<b>4.50</b>	<b>\$652.50</b>	<b>\$840.00</b>	<b>\$130.00</b>	<b>\$1,622.50</b>	
<b>Task 6 Final Draft GSP Based on Public Comments</b>						
<b>Task 6 Budget</b>	<b>70.00</b>	<b>\$16,875</b>	<b>\$4,200</b>	<b>\$130</b>	<b>\$21,205</b>	
<b>Task 6 Expenditures</b>	<b>0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
<b>Task 6 Remaining</b>	<b>70.00</b>	<b>\$16,875.00</b>	<b>\$4,200.00</b>	<b>\$130.00</b>	<b>\$21,205.00</b>	
<b>Task 7 Project Management and Meetings</b>						
Invoice for work in September 2019	2.50	\$612.50	\$0.00	\$0.00	\$612.50	Project management
Invoice for work in October 2019	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in November 2019	4.00	\$980.00	\$0.00	\$32.50	\$1,012.50	Project management
Invoice for work in December 2019	1.00	\$245.00	\$0.00	\$32.50	\$277.50	Project management
Invoice for work in January 2020	1.00	\$245.00	\$0.00	\$32.50	\$277.50	Project management
Invoice for work in February 2020	1.50	\$367.50	\$0.00	\$32.50	\$400.00	Project management
Invoice for work in March 2020	1.75	\$428.75	\$0.00	\$32.50	\$461.25	Project management
Invoice for work in April 2020	1.50	\$367.50	\$0.00	\$32.50	\$400.00	Project management
Invoice for work in May 2020	1.75	\$428.75	\$0.00	\$32.50	\$461.25	Project management
Invoice for work in June 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in July 2020	2.75	\$680.00	\$0.00	\$32.50	\$712.50	Project management
Invoice for work in August 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in September 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in October 2020	35.75	\$8,758.75	\$0.00	\$32.50	\$8,791.25	Project management and meetings with GSA member agency managers
Invoice for work in November 2020	22.75	\$5,573.75	\$0.00	\$32.50	\$5,606.25	Project management and meetings with GSA member agency managers
Invoice for work in December 2020	17.00	\$4,165.00	\$0.00	\$32.50	\$4,197.50	Project management and meetings with GSA member agency managers
Invoice for work in January 2021	25.75	\$6,308.75	\$0.00	\$32.50	\$6,341.25	Project management and meetings with GSA member agency managers
Invoice for work in February 2021	15.50	\$3,797.50	\$0.00	\$32.50	\$3,830.00	Project management and meetings with GSA member agency managers
Invoice for work in March 2021	15.75	\$3,858.75	\$0.00	\$32.50	\$3,891.25	Project management and meetings with GSA member agency managers
Invoice for work in April 2021	7.75	\$1,898.75	\$0.00	\$32.50	\$1,931.25	Project management and meetings with GSA member agency managers
Invoice for work in May 2021	10.50	\$2,572.50	\$0.00	\$32.50	\$2,605.00	Project management and meetings with GSA member agency managers
Invoice for work in June 2021	2.50	\$612.50	\$0.00	\$32.50	\$645.00	Project management and meetings with GSA member agency managers
Invoice for work in July 2021	0.00	\$0.00	\$0.00	\$0.00	\$0.00	Project management and meetings with GSA member agency managers
Invoice for work in August 2021	312.00	\$77,515.00	\$4,200.00	\$1,170.00	\$82,885.00	Project management and meetings with GSA member agency managers
<b>Task 7 Budget</b>	<b>312.00</b>	<b>\$77,515</b>	<b>\$4,200</b>	<b>\$1,170</b>	<b>\$82,885</b>	
<b>Task 7 Expenditures</b>	<b>204.50</b>	<b>\$50,108.75</b>	<b>\$0.00</b>	<b>\$747.50</b>	<b>\$50,856.25</b>	
<b>Task 7 Remaining</b>	<b>107.50</b>	<b>\$27,406.25</b>	<b>\$4,200.00</b>	<b>\$422.50</b>	<b>\$32,028.75</b>	
Invoice Total for work in August 2019 (dated September 8, 2019)	55.25	\$11,706.25	\$0.00	\$32.50	\$11,738.75	- Data and information review and technical memorandum preparation (started 8/6/19) - GSP preparation planning, initial preparation of GSP chapters - Plan Area (started 8/16/19) and Hydrogeologic Conceptual Model (started 8/27/19)
Invoice Total for work in September 2019 (dated October 8, 2019)	80.00	\$19,341.25	\$140.00	\$32.50	\$19,513.75	- Well siting recommendation review and technical memorandum preparation (ongoing throughout month) - Data review, model options discussions, and model strategy development (started 9/11/19) - Draft Plan Area GSP chapter (Chapter 2) preparation and transmittal to BCGSA 9/25/19 and work on HCM, specifically reviewing data for topography, soils, surficial geology, basin depth, and water levels and quality (ongoing throughout month) - Project management
Invoice Total for work in October 2019 (dated November 8, 2019)	104.25	\$24,086.25	\$0.00	\$32.50	\$24,118.75	- Well siting recommendation review, technical memorandum preparation, and response to comments (ongoing throughout month) - Data review and model strategy technical memorandum preparation (ongoing throughout month) - Work on HCM chapter (ongoing throughout month, creating topography, soil, and geology maps and drafts of related chapter sections) and beginning work on Groundwater Conditions draft chapter (started 10/5/19) - Project management
Invoice Total for work in November 2019 (dated December 8, 2019)	100.50	\$21,117.50	\$0.00	\$32.50	\$21,150.00	- Model strategy technical memorandum preparation and draft delivery 11/26/2019 - Work on HCM and Groundwater Conditions draft chapters, specifically finalizing topography, soil, and geology figures, starting work on cross sections, modifying basin depth dataset, evaluating groundwater conditions of water levels and quality (ongoing throughout month) - Project management
Invoice Total for work in December 2019 (dated January 8, 2020)	46.75	\$9,443.75	\$0.00	\$32.50	\$9,476.25	- Work on HCM and Groundwater Conditions draft chapters, specifically revising continuing basin depth/bedrock surface modifications, water level, and water quality data analysis, and evaluating for the presence of groundwater dependent ecosystems (ongoing throughout month) - Project management
Invoice Total for work in January 2020 (dated February 8, 2020)	68.75	\$15,163.75	\$420.00	\$32.50	\$15,616.25	- Work on HCM and Groundwater Conditions draft chapters, specifically finalizing basin depth/bedrock depth modifications and water level analysis and continuing work on water quality analysis and interconnected surface water assessment, revising cross sections, and drafting related sections of HCM and GW Conditions chapters (ongoing throughout month), start on Water Budget data analysis (started 1/27/20), provided background and recommendations regarding management areas (started 1/24/20, sent 1/30/20) - Project management
Invoice Total for work in February 2020 (dated March 8, 2020)	48.50	\$11,992.50	\$0.00	\$32.50	\$12,025.00	- Response to well siting recommendation comments and memo revisions, revised memo delivered 2/27/20 - Model strategy comment review and model data development, integrating comments into modeling strategy and planning for model construction (ongoing throughout month) - Work on HCM and Groundwater Conditions draft chapters, specifically finalizing water quality analysis and figures and cross sections, finalizing water level and water quality GW Conditions chapter sections, starting subsidence analysis, and start evaluation of endangered species (ongoing throughout month), work on Water Budget data analysis, specifically assessing watershed soil moisture balances and surface water flow (ongoing throughout month), discussions and additional information for the development of management areas (sent 2/27/20), preparation of a GSP outline for Stantec to use in the preparation of selected GSP sections (started 2/26/20) - Project management
Invoice Total for work in March 2020 (dated April 8, 2020)	61.00	\$15,172.50	\$0.00	\$32.50	\$15,205.00	- Recharge data assessment and quantification for model construction (started 3/1/20) - Finished draft of HCM and Groundwater Conditions chapters, specifically finalizing assessments of subsidence, interconnected surface water, GDEs, and endangered species and completing related figures and text preparation (ongoing throughout month), work on Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow (ongoing throughout month) - Project management
Invoice Total for work in April 2020 (dated May 8, 2020)	114.00	\$28,637.50	\$140.00	\$32.50	\$28,810.00	- Discussion of additional comments from GSA on monitoring well location recommendations and preparation of additional maps and datasets showing expanded monitoring well location areas, transmitted 4/10/20. - Finalization of model strategy memorandum and responses to comments (delivered 4/16/20), model grid development and refinement, initial model layering, recharge analysis, and other model construction tasks (ongoing throughout month). - Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) - Project management
Invoice Total for work in May 2020 (dated June 8, 2020)	131.00	\$32,782.50	\$0.00	\$32.50	\$32,815.00	- Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month) - Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) and initiation of sustainability criteria discussion with GSA (started 5/11/20). - Project management
Invoice Total for work in June 2020 (dated July 8, 2020)	70.00	\$17,127.50	\$280.00	\$32.50	\$17,440.00	- Development of additional data for review and identification of existing wells to sample and equip with transducers, and discussion of monitoring well locations, water quality sampling, and transducer installation with GSA. - Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month) - Reviewing and incorporating comments on draft of HCM and Groundwater Conditions chapters (ongoing throughout month) and development of conceptual sustainability criteria for further discussion with GSA (ongoing throughout month) - Project management
Invoice Total for work in July 2020 (dated August 8, 2020)	85.50	\$18,668.75	\$0.00	\$32.50	\$18,701.25	- Continues discussion of new monitoring well locations, existing wells to sample, and existing wells to equip with transducers with GSA and GSA manager. - Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month) - Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in August 2020 (dated September 8, 2020)	29.50	\$6,366.25	\$70.00	\$32.50	\$6,468.75	- Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month) - Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in September 2020 (dated October 8, 2020)	50.00	\$10,978.75	\$0.00	\$32.50	\$11,011.25	- Ongoing model construction including contuing recharge input development, analyzing outflows, and assessing future water demands (ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria discussion including meeting with GSA member agencies to plan sustainability criteria and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and starting Monitoring Plan chapter of GSP (started 9/10/2020); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in October 2020 (dated November 8, 2020)	122.50	\$29,808.75	\$0.00	\$32.50	\$29,841.25	- Ongoing model construction including contuing recharge input development, establishing model geometry and initial parameterization, analyzing outflows, and preparing for calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers

**Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary**  
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Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
Invoice Total for work in November 2020 (dated December 8, 2020)	139.75	\$35,203.75	\$0.00	\$32.50	\$35,236.25	- Ongoing model construction including contuing recharge input development, refining model geometry and parameterization, analyzing outflows, and starting calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, finalizing watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in December 2020 (dated January 8, 2021)	75.00	\$18,337.50	\$0.00	\$32.50	\$18,370.00	- Ongoing model construction including recharge input revisions, refining model parameterization, analyzing outflows, and continuing calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, future water budget component estimation, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in January 2021 (dated February 8, 2021)	132.50	\$33,367.50	\$0.00	\$32.50	\$33,400.00	- Ongoing model refinement, finalizing recharge inputs and hydrology model datasets, calibration to refine parameterization, and analyzing model output (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); ongoing drafting of Sustainability Criteria chapter of GSP (ongoing throughout month); refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in February 2021 (dated March 8, 2021)	112.25	\$28,211.25	\$350.00	\$32.50	\$28,593.75	- Assitance with reviewing alternative monitoring well locations and discussions with well design consultant Ongoing model refinement, calibration to refine parameterization, analyzing model output, and refinement to address water budget questions (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); finalization of adminstrative draft of Sustainability Criteria chapter of GSP (ongoing throughout month); finalization of adminstrative draft Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in March 2021 (dated April 8, 2021)	104.00	\$25,851.25	\$420.00	\$32.50	\$26,303.75	- Ongoing model refinement, calibration to refine parameterization, analyzing model output, refinement to address water budget questions relating to quarries, and preparation of future growth and climate change scenarios (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario refinement, and draft water budget writing, (ongoing throughout month); presentation of adminstrative draft of Sustainability Criteria chapter of GSP to GSA (ongoing throughout month); presentation of adminstrative draft Monitoring Plan chapter of GSP to GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in April 2021 (dated May 8, 2021)	178.00	\$44,456.25	\$2,030.00	\$32.50	\$46,518.75	- Numerical model finalization, model output analysis, water budget simulations for historical, current, and future conditions including climate change scenarios (ongoing throughout month) - Water Budget draft chapter finalization and presentation to GSA for review (4/26/21), including future water budget and climate change assessment (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters for consistency with numerical model and re-submittal to GSA (ongoing throughout month, drafts resubmitted 4/29/21); and other GSP chapter planning with GSA manager (ongoing throughout month). - Responding to GSP comments and making edits to draft GSP chapters completed to date (started 4/6/21) - Project management and meetings with GSA member agency managers
Invoice Total for work in May 2021 (dated June 8, 2021)	238.75	\$59,852.50	\$1,960.00	\$32.50	\$61,845.00	- Final model simulations and output analysis for historical, current, and future conditions water budgets, including climate change scenarios (ongoing throughout month) - Refinement and discussion of Water Budget draft chapter (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters following discussion with GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Continuing to respond to comments on the GSP made by the GSA and revising individual chapters for complete GSP compilation (ongiong throughout the month) - Compiling complete GSP from individual chapters and preparing for public draft release (started 5/3/21) - Project management and meetings with GSA member agency managers
Invoice Total for work in June 2021 (dated July 8, 2021)	36.25	\$9,001.25	\$0.00	\$32.50	\$9,033.75	- Model file cleanup and packaging (ongoing throughtout month) - Compiling complete GSP from individual chapters and preparing for public draft release (Finished 6/3/2021) - Project management and meetings with GSA member agency managers
Invoice Total for work in July 2021 (dated August 8, 2021)	23.50	\$5,777.50	\$0.00	\$32.50	\$5,810.00	- Model file cleanup and packaging (ongoing throughtout month) - Project management and meetings with GSA member agency managers
Invoice Total for work in August 2021 (dated September 8, 2021)	23.75	\$5,908.75	\$0.00	\$32.50	\$5,941.25	- Model file cleanup and packaging (ongoing throughtout month) - Reviewing initial comment notification and data request messages and coordinating responses (ongoing throughout month) - Project management and meetings with GSA member agency managers
<b>Total Budget</b>	<b>3,135.00</b>	<b>\$728,725</b>	<b>\$39,200</b>	<b>\$3,250</b>	<b>\$771,175</b>	
<b>Total Expenditures</b>	<b>2,231.25</b>	<b>\$ 538,361.25</b>	<b>\$ 5,810.00</b>	<b>\$ 812.50</b>	<b>\$ 544,983.75</b>	
<b>Total Remaining</b>	<b>903.75</b>	<b>\$ 190,363.75</b>	<b>\$ 33,390.00</b>	<b>\$ 2,437.50</b>	<b>\$ 226,191.25</b>	
	<b>28.8%</b>	<b>26.1%</b>	<b>85.2%</b>	<b>75.0%</b>	<b>29.3%</b>	

**From:** [Margie Armstrong](#)  
**To:** [AP](#)  
**Cc:** [Ysmael Lu](#)  
**Subject:** FW: Todd Groundwater Bedford-Coldwater GSP August 2021 Invoice and Status Summary  
**Date:** Wednesday, October 27, 2021 8:25:20 AM  
**Attachments:** [Todd Groundwater Invoice. Bedford-Coldwater GSP - September 8, 2021.pdf](#)

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Hi Maria & Nicole,

Please accept this email as my approval for payment of the attached invoice.

Thank You

Margie

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**From:** Victor Harris <[victor@hhwaterresources.com](mailto:victor@hhwaterresources.com)>  
**Sent:** Wednesday, September 8, 2021 10:18 AM  
**To:** Margie Armstrong <[margie@evmwd.net](mailto:margie@evmwd.net)>  
**Cc:** Shugart, Kelly <[kelly.shugart@stantec.com](mailto:kelly.shugart@stantec.com)>  
**Subject:** Todd Groundwater Bedford-Coldwater GSP August 2021 Invoice and Status Summary

[\*External E-mail alert! Use caution before clicking links/attachments\* ]

Margie/Sofia,

Please find the invoice from Todd Groundwater for August. We have reviewed the invoice and recommend payment.

Thank you,

Victor



# TODD GROUNDWATER

2490 Mariner Square Loop, Suite 215  
 Alameda, CA 94501  
 510/747-6920 Federal ID# 94-2490748

**Received**  
 OCT 27 2021  
**Finance Dept.**

## Invoice

**DATE** 10/8/2021 **INVOICE NO.** 80802 1021

**CONTRACT #803**

**Voucher #** 51-288

**Vendor #** 815

**Pay Date** OCT 28 2021

**Acct #** 51-15-310-110-53140 BCGSP

**Entered Date** 10/27/21

**BILL TO:**

Bedford-Coldwater Groundwater Agency  
 Attn: Margie Armstrong  
 31315 Chaney Street  
 Lake Elsinore, CA 92530

**Project No:** 80802- Bedford-Coldwater GSP

DESCRIPTION	HOURS	RATE	AMOUNT
Professional Services in connection with the preparation of the Groundwater Sustainability Plan for the Bedford-Coldwater Groundwater Basin			
Chad Taylor	27.5	245.00	6,737.50
Mike Maley	8	255.00	2,040.00
Gus Yates	7.25	255.00	1,848.75
Maureen Reilly	8	245.00	1,960.00
Professional Services Subtotal			12,586.25
Administrative/Secretarial:			
Cynthia Obuchi	0.25	130.00	32.50

Sep 1 - Sep 30 **\$12,618.75**

This invoice is now due and payable. Balances unpaid over 30 days accrue 1.5% interest per month. If payment for previous charges has been sent, please accept our thanks and disregard our reminder of previous unpaid charges.

**Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary**  
 Budget Summary as of: September 30, 2021



Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
<b>Task 1 Resolution of Recommended Field Work</b>						
Invoice for work in August 2019	15.00	\$3,375.00	\$0.00	\$0.00	\$3,375.00	Data and information review and technical memorandum preparation (started 8/6/19)
Invoice for work in September 2019	13.25	\$3,246.25	\$0.00	\$0.00	\$3,246.25	Well siting recommendation review and technical memorandum preparation (ongoing throughout month)
Invoice for work in October 2019	15.00	\$3,375.00	\$0.00	\$0.00	\$3,375.00	Well siting recommendation review, technical memorandum preparation, and response to comments (ongoing throughout month)
Invoice for work in February 2020	12.50	\$3,062.50	\$0.00	\$0.00	\$3,062.50	Response to well siting recommendation comments and memo revisions, revised memo delivered 2/27/20
Invoice for work in April 2020	10.25	\$2,511.25	\$0.00	\$0.00	\$2,511.25	Discussion of additional comments from GSA on monitoring well location recommendations and preparation of additional maps and datasets showing expanded monitoring well location areas, transmitted 4/10/20.
Invoice for work in June 2020	9.75	\$2,388.75	\$280.00	\$0.00	\$2,668.75	Development of additional data for review and identification of existing wells to sample and equip with transducers, and discussion of monitoring well locations, water quality sampling, and transducer installation with GSA.
Invoice for work in July 2020	2.50	\$612.50	\$0.00	\$0.00	\$612.50	Continues discussion of new monitoring well locations, existing wells to sample, and existing wells to equip with transducers with GSA and GSA manager.
Invoice for work in February 2021	5.75	\$1,408.75	\$0.00	\$0.00	\$1,408.75	Assistance with reviewing alternative monitoring well locations and discussions with well design consultant
<b>Task 1 Budget</b>	<b>84.00</b>	<b>\$18,430</b>	<b>\$1,400</b>	<b>\$260</b>	<b>\$20,090</b>	
<b>Task 1 Expenditures</b>	<b>84.00</b>	<b>\$19,980.00</b>	<b>\$280.00</b>	<b>\$0.00</b>	<b>\$20,260.00</b>	
<b>Task 1 Remaining</b>	<b>0.00</b>	<b>-\$1,550.00</b>	<b>\$1,120.00</b>	<b>\$260.00</b>	<b>-\$170.00</b>	
<b>Task 2 Groundwater Modeling</b>						
Invoice for work in September 2019	10.75	\$2,630.00	\$0.00	\$0.00	\$2,630.00	Data review, model options discussions, and model strategy development (started 9/11/19)
Invoice for work in October 2019	38.00	\$9,655.00	\$0.00	\$0.00	\$9,655.00	Data review and model strategy technical memorandum preparation (ongoing throughout month)
Invoice for work in November 2019	24.50	\$6,097.50	\$0.00	\$0.00	\$6,097.50	Model strategy technical memorandum preparation and draft delivery 11/26/2019
Invoice for work in February 2020	12.00	\$3,050.00	\$0.00	\$0.00	\$3,050.00	Model strategy comment review and model data development, integrating comments into modeling strategy and planning for model construction (ongoing throughout month)
	17.75	\$4,476.25	\$0.00	\$0.00	\$4,476.25	Recharge data assessment and quantification for model construction (started 3/1/20)
25-May	69.00	\$17,535.00	\$0.00	\$0.00	\$17,535.00	Finalization of model strategy memorandum and responses to comments (delivered 4/16/20), model grid development and refinement, initial model layering, recharge analysis, and other model construction tasks (ongoing throughout month).
Invoice for work in May 2020	86.75	\$21,981.25	\$0.00	\$0.00	\$21,981.25	Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month)
Invoice for work in June 2020	48.25	\$11,798.75	\$0.00	\$0.00	\$11,798.75	Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month)
Invoice for work in July 2020	64.00	\$13,735.00	\$0.00	\$0.00	\$13,735.00	Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month)
Invoice for work in August 2020	23.50	\$4,896.25	\$70.00	\$0.00	\$4,966.25	Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month)
Invoice for work in September 2020	22.25	\$4,605.00	\$0.00	\$0.00	\$4,605.00	Ongoing model construction including continuing recharge input development, analyzing outflows, and assessing future water demands (ongoing throughout month)
Invoice for work in October 2020	54.00	\$13,770.00	\$0.00	\$0.00	\$13,770.00	Ongoing model construction including continuing recharge input development, establishing model geometry and initial parameterization, analyzing outflows, and preparing for calibration(ongoing throughout month)
Invoice for work in November 2020	107.50	\$27,387.50	\$0.00	\$0.00	\$27,387.50	Ongoing model construction including continuing recharge input development, refining model geometry and parameterization, analyzing outflows, and starting calibration(ongoing throughout month)
Invoice for work in December 2020	40.00	\$10,200.00	\$0.00	\$0.00	\$10,200.00	Ongoing model construction including recharge input revisions, refining model parameterization, analyzing outflows, and continuing calibration(ongoing throughout month)
Invoice for work in January 2021	99.25	\$25,221.25	\$0.00	\$0.00	\$25,221.25	Ongoing model refinement, finalizing recharge inputs and hydrology model datasets, calibration to refine parameterization, and analyzing model output (ongoing throughout month)
Invoice for work in February 2021	85.00	\$21,535.00	\$0.00	\$0.00	\$21,535.00	Ongoing model refinement, calibration to refine parameterization, analyzing model output, and refinement to address water budget questions (ongoing throughout month)
Invoice for work in March 2021	59.00	\$14,826.25	\$0.00	\$0.00	\$14,826.25	Ongoing model refinement, calibration to refine parameterization, analyzing model output, refinement to address water budget questions relating to quarries, and preparation of future growth and climate change scenarios (ongoing throughout month)
Invoice for work in April 2021	110.00	\$27,796.25	\$0.00	\$0.00	\$27,796.25	Numerical model finalization, model output analysis, water budget simulations for historical, current, and future conditions including climate change scenarios (ongoing throughout month)
Invoice for work in May 2021	107.00	\$27,011.25	\$0.00	\$0.00	\$27,011.25	Final model simulations and output analysis for historical, current, and future conditions water budgets, including climate change scenarios (ongoing throughout month)
Invoice for work in June 2021	2.00	\$510.00	\$0.00	\$0.00	\$510.00	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in July 2021	8.75	\$2,163.75	\$0.00	\$0.00	\$2,163.75	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in August 2021	9.00	\$2,295.00	\$0.00	\$0.00	\$2,295.00	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in September 2021	12.75	\$3,203.75	\$0.00	\$0.00	\$3,203.75	Model file cleanup and packaging (ongoing throughout month)
<b>Task 2 Budget</b>	<b>1,628.00</b>	<b>\$372,235</b>	<b>\$4,200</b>	<b>\$520</b>	<b>\$376,955</b>	
<b>Task 2 Expenditures</b>	<b>1,111.00</b>	<b>\$276,380.00</b>	<b>\$70.00</b>	<b>\$0.00</b>	<b>\$276,450.00</b>	
<b>Task 2 Remaining</b>	<b>517.00</b>	<b>\$95,855.00</b>	<b>\$4,130.00</b>	<b>\$520.00</b>	<b>\$100,505.00</b>	
<b>Task 3 Prepare Draft GSP</b>						
Invoice for work in August 2019	40.25	\$8,331.25	\$0.00	\$32.50	\$8,363.75	GSP preparation planning, initial preparation of GSP chapters - Plan Area (started 8/16/19) and Hydrogeologic Conceptual Model (started 8/27/19)
Invoice for work in September 2019	53.50	\$12,852.50	\$140.00	\$32.50	\$13,025.00	Draft Plan Area GSP chapter (Chapter 2) preparation and transmittal to BCGSA 9/25/19 and work on HCM, specifically reviewing data for topography, soils, surficial geology, basin depth, and water levels and quality (ongoing throughout month)
Invoice for work in October 2019	49.25	\$10,566.25	\$0.00	\$0.00	\$10,566.25	Work on HCM chapter (ongoing throughout month, creating topography, soil, and geology maps and drafts of related chapter sections) and beginning work on Groundwater Conditions draft chapter (started 10/5/19)
Invoice for work in November 2019	72.00	\$14,040.00	\$0.00	\$0.00	\$14,040.00	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing topography, soil, and geology figures, starting work on cross sections, modifying basin depth dataset, evaluating groundwater conditions of water levels and quality (ongoing throughout month)
Invoice for work in December 2019	45.75	\$9,198.75	\$0.00	\$0.00	\$9,198.75	Work on HCM and Groundwater Conditions draft chapters, specifically revising continuing basin depth/bedrock surface modifications, water level, and water quality data analysis, and evaluating for the presence of groundwater dependent ecosystems (ongoing throughout month)
Invoice for work in January 2020	67.75	\$14,918.75	\$420.00	\$0.00	\$15,338.75	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing basin depth/bedrock depth modifications and water level analysis and continuing work on water quality analysis and interconnected surface water assessment, revising cross sections, and drafting related sections of HCM and GW Conditions chapters (ongoing throughout month), start on Water Budget data analysis (started 1/27/20), provided background and recommendations regarding management areas (started 1/24/20, sent 1/30/20)
Invoice for work in February 2020	22.50	\$5,512.50	\$0.00	\$0.00	\$5,512.50	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing water quality analysis and figures and cross sections, finalizing water level and water quality GW Conditions chapter sections, starting subsidence analysis, and start evaluation of endangered species (ongoing throughout month), work on Water Budget data analysis, specifically assessing watershed soil moisture balances and surface water flow (ongoing throughout month), discussions and additional information for the development of management areas (sent 2/27/20), preparation of a GSP outline for Stantec to use in the preparation of selected GSP sections (started 2/26/20)
Invoice for work in March 2020	41.50	\$10,267.50	\$0.00	\$0.00	\$10,267.50	Finished draft of HCM and Groundwater Conditions chapters, specifically finalizing assessments of subsidence, interconnected surface water, GDEs, and endangered species and completing related figures and text preparation (ongoing throughout month), work on Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow (ongoing throughout month)
Invoice for work in April 2020	33.25	\$8,223.75	\$140.00	\$0.00	\$8,363.75	Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month)
Invoice for work in May 2020	42.50	\$10,372.50	\$0.00	\$0.00	\$10,372.50	Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) and initiation of sustainability criteria discussion with GSA (started 5/11/20).
Invoice for work in June 2020	10.00	\$2,450.00	\$0.00	\$0.00	\$2,450.00	Reviewing and incorporating comments on draft of HCM and Groundwater Conditions chapters (ongoing throughout month) and development of conceptual sustainability criteria for further discussion with GSA (ongoing throughout month)
Invoice for work in July 2020	16.25	\$3,641.25	\$0.00	\$0.00	\$3,641.25	Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in August 2020	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in September 2020	25.75	\$5,883.75	\$0.00	\$0.00	\$5,883.75	Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria discussion including meeting with GSA member agencies to plan sustainability criteria and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and starting Monitoring Plan chapter of GSP (started 9/10/2020); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in October 2020	32.75	\$7,280.00	\$0.00	\$0.00	\$7,280.00	Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in November 2020	9.50	\$2,242.50	\$0.00	\$0.00	\$2,242.50	Ongoing Water Budget data analysis and draft chapter preparation, finalizing watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in December 2020	18.00	\$3,972.50	\$0.00	\$0.00	\$3,972.50	Ongoing Water Budget data analysis and draft chapter preparation, future water budget component estimation, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in January 2021	7.50	\$1,837.50	\$0.00	\$0.00	\$1,837.50	Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); ongoing drafting of Sustainability Criteria chapter of GSP (ongoing throughout month); refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in February 2021	6.00	\$1,470.00	\$350.00	\$0.00	\$1,820.00	Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); finalization of administrative draft of Sustainability Criteria chapter of GSP (ongoing throughout month); finalization of administrative draft Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in March 2021	29.25	\$7,166.25	\$420.00	\$0.00	\$7,586.25	Ongoing Water Budget draft chapter preparation, future water budget scenario refinement, and draft water budget writing, (ongoing throughout month); presentation of administrative draft of Sustainability Criteria chapter of GSP to GSA (ongoing throughout month); presentation of administrative draft Monitoring Plan chapter of GSP to GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in April 2021	55.75	\$13,658.75	\$2,030.00	\$0.00	\$15,688.75	Water Budget draft chapter finalization and presentation to GSA for review (4/26/21), including future water budget and climate change assessment (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters for consistency with numerical model and re-submittal to GSA (ongoing throughout month, drafts resubmitted 4/29/21); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in May 2021	52.50	\$13,425.00	\$0.00	\$0.00	\$13,425.00	Refinement and discussion of Water Budget draft chapter (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters following discussion with GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
<b>Task 3 Budget</b>	<b>927.00</b>	<b>\$216,065</b>	<b>\$22,400</b>	<b>\$1,040</b>	<b>\$239,505</b>	
<b>Task 3 Expenditures</b>	<b>735.50</b>	<b>\$168,291.25</b>	<b>\$3,500.00</b>	<b>\$65.00</b>	<b>\$171,856.25</b>	
<b>Task 3 Remaining</b>	<b>191.50</b>	<b>\$47,773.75</b>	<b>\$18,900.00</b>	<b>\$975.00</b>	<b>\$67,648.75</b>	

**Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary**  
 Budget Summary as of: September 30, 2021



Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
<b>Task 4 Comments on the Draft GSP</b>						
Invoice for work in April 2021	4.50	\$1,102.50	\$0.00	\$0.00	\$1,102.50	Responding to GSP comments and making edits to draft GSP chapters completed to date (started 4/6/21)
Invoice for work in May 2021	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Continuing to respond to comments on the GSP made by the GSA and revising individual chapters for complete GSP compilation (ongoing)
<b>Task 4 Budget</b>	<b>9.00</b>	<b>\$2,230</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,230</b>	
<b>Task 4 Expenditures</b>	<b>8.50</b>	<b>\$2,082.50</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,082.50</b>	
<b>Task 4 Remaining</b>	<b>0.50</b>	<b>\$147.50</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$147.50</b>	
<b>Task 5 Revised Draft GSP</b>						
Invoice for work in May 2021	64.75	\$15,863.75	\$1,960.00	\$0.00	\$17,823.75	Compiling complete GSP from individual chapters and preparing for public draft release (started 5/3/21)
Invoice for work in June 2021	31.75	\$7,878.75	\$0.00	\$0.00	\$7,878.75	Compiling complete GSP from individual chapters and preparing for public draft release (Finished 6/3/2021)
Invoice for work in August 2021	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Reviewing initial comment notification and data request messages and coordinating responses (ongoing throughout month)
<b>Task 5 Budget</b>	<b>105.00</b>	<b>\$25,375</b>	<b>\$2,800</b>	<b>\$130</b>	<b>\$28,305</b>	
<b>Task 5 Expenditures</b>	<b>100.50</b>	<b>\$24,722.50</b>	<b>\$1,960.00</b>	<b>\$0.00</b>	<b>\$26,682.50</b>	
<b>Task 5 Remaining</b>	<b>4.50</b>	<b>\$652.50</b>	<b>\$840.00</b>	<b>\$130.00</b>	<b>\$1,622.50</b>	
<b>Task 6 Final Draft GSP Based on Public Comments</b>						
Invoice for work in September 2021	30.50	\$7,545.00	\$0.00	\$0.00	\$7,545.00	Discuss comments received on draft GSP and begin responses and revisions (started 9/6/2021).
<b>Task 6 Budget</b>	<b>70.00</b>	<b>\$16,875</b>	<b>\$4,200</b>	<b>\$130</b>	<b>\$21,205</b>	
<b>Task 6 Expenditures</b>	<b>30.50</b>	<b>\$7,545.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$7,545.00</b>	
<b>Task 6 Remaining</b>	<b>39.50</b>	<b>\$9,330.00</b>	<b>\$4,200.00</b>	<b>\$130.00</b>	<b>\$13,660.00</b>	
<b>Task 7 Project Management and Meetings</b>						
Invoice for work in September 2019	2.50	\$612.50	\$0.00	\$0.00	\$612.50	Project management
Invoice for work in October 2019	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in November 2019	4.00	\$980.00	\$0.00	\$32.50	\$1,012.50	Project management
Invoice for work in December 2019	1.00	\$245.00	\$0.00	\$32.50	\$277.50	Project management
Invoice for work in January 2020	1.00	\$245.00	\$0.00	\$32.50	\$277.50	Project management
Invoice for work in February 2020	1.50	\$367.50	\$0.00	\$32.50	\$400.00	Project management
Invoice for work in March 2020	1.75	\$428.75	\$0.00	\$32.50	\$461.25	Project management
Invoice for work in April 2020	1.50	\$367.50	\$0.00	\$32.50	\$400.00	Project management
Invoice for work in May 2020	1.75	\$428.75	\$0.00	\$32.50	\$461.25	Project management
Invoice for work in June 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in July 2020	2.75	\$680.00	\$0.00	\$32.50	\$712.50	Project management
Invoice for work in August 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in September 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in October 2020	35.75	\$8,758.75	\$0.00	\$32.50	\$8,791.25	Project management and meetings with GSA member agency managers
Invoice for work in November 2020	22.75	\$5,573.75	\$0.00	\$32.50	\$5,606.25	Project management and meetings with GSA member agency managers
Invoice for work in December 2020	17.00	\$4,165.00	\$0.00	\$32.50	\$4,197.50	Project management and meetings with GSA member agency managers
Invoice for work in January 2021	25.75	\$6,308.75	\$0.00	\$32.50	\$6,341.25	Project management and meetings with GSA member agency managers
Invoice for work in February 2021	15.50	\$3,797.50	\$0.00	\$32.50	\$3,830.00	Project management and meetings with GSA member agency managers
Invoice for work in March 2021	15.75	\$3,858.75	\$0.00	\$32.50	\$3,891.25	Project management and meetings with GSA member agency managers
Invoice for work in April 2021	7.75	\$1,898.75	\$0.00	\$32.50	\$1,931.25	Project management and meetings with GSA member agency managers
Invoice for work in May 2021	10.50	\$2,572.50	\$0.00	\$32.50	\$2,605.00	Project management and meetings with GSA member agency managers
Invoice for work in June 2021	2.50	\$612.50	\$0.00	\$32.50	\$645.00	Project management and meetings with GSA member agency managers
Invoice for work in July 2021	0.00	\$0.00	\$0.00	\$0.00	\$0.00	Project management and meetings with GSA member agency managers
Invoice for work in August 2021	312.00	\$77,515.00	\$4,200.00	\$1,170.00	\$82,885.00	Project management and meetings with GSA member agency managers
Invoice for work in September 2021	212.00	\$51,946.25	\$0.00	\$780.00	\$52,726.25	Project management and meetings with GSA member agency managers
<b>Task 7 Budget</b>	<b>312.00</b>	<b>\$77,515</b>	<b>\$4,200</b>	<b>\$1,170</b>	<b>\$82,885</b>	
<b>Task 7 Expenditures</b>	<b>212.00</b>	<b>\$51,946.25</b>	<b>\$0.00</b>	<b>\$780.00</b>	<b>\$52,726.25</b>	
<b>Task 7 Remaining</b>	<b>100.00</b>	<b>\$25,568.75</b>	<b>\$4,200.00</b>	<b>\$390.00</b>	<b>\$30,158.75</b>	
Invoice Total for work in August 2019 (dated September 8, 2019)	55.25	\$11,706.25	\$0.00	\$32.50	\$11,738.75	- Data and information review and technical memorandum preparation (started 8/6/19) - GSP preparation planning, initial preparation of GSP chapters - Plan Area (started 8/16/19) and Hydrogeologic Conceptual Model (started 8/27/19)
Invoice Total for work in September 2019 (dated October 8, 2019)	80.00	\$19,341.25	\$140.00	\$32.50	\$19,513.75	- Well siting recommendation review and technical memorandum preparation (ongoing throughout month) - Data review, model options discussions, and model strategy development (started 9/11/19) - Draft Plan Area GSP chapter (Chapter 2) preparation and transmittal to BCGSA 9/25/19 and work on HCM, specifically reviewing data for topography, soils, surficial geology, basin depth, and water levels and quality (ongoing throughout month) - Project management
Invoice Total for work in October 2019 (dated November 8, 2019)	104.25	\$24,086.25	\$0.00	\$32.50	\$24,118.75	- Well siting recommendation review, technical memorandum preparation, and response to comments (ongoing throughout month) - Data review and model strategy technical memorandum preparation (ongoing throughout month) - Work on HCM chapter (ongoing throughout month, creating topography, soil, and geology maps and drafts of related chapter sections) and beginning work on Groundwater Conditions draft chapter (started 10/5/19) - Project management
Invoice Total for work in November 2019 (dated December 8, 2019)	100.50	\$21,117.50	\$0.00	\$32.50	\$21,150.00	- Model strategy technical memorandum preparation and draft delivery 11/26/2019 - Work on HCM and Groundwater Conditions draft chapters, specifically finalizing topography, soil, and geology figures, starting work on cross sections, modifying basin depth dataset, evaluating groundwater conditions of water levels and quality (ongoing throughout month) - Project management
Invoice Total for work in December 2019 (dated January 8, 2020)	46.75	\$9,443.75	\$0.00	\$32.50	\$9,476.25	- Work on HCM and Groundwater Conditions draft chapters, specifically revising continuing basin depth/bedrock surface modifications, water level, and water quality data analysis, and evaluating for the presence of groundwater dependent ecosystems (ongoing throughout month) - Project management
Invoice Total for work in January 2020 (dated February 8, 2020)	68.75	\$15,163.75	\$420.00	\$32.50	\$15,616.25	- Work on HCM and Groundwater Conditions draft chapters, specifically finalizing basin depth/bedrock depth modifications and water level analysis and continuing work on water quality analysis and interconnected surface water assessment, revising cross sections, and drafting related sections of HCM and GW Conditions chapters (ongoing throughout month), start on Water Budget data analysis (started 1/27/20), provided background and recommendations regarding management areas (started 1/24/20, sent 1/30/20) - Project management
Invoice Total for work in February 2020 (dated March 8, 2020)	48.50	\$11,992.50	\$0.00	\$32.50	\$12,025.00	- Response to well siting recommendation comments and memo revisions, revised memo delivered 2/27/20 - Model strategy comment review and model data development, integrating comments into modeling strategy and planning for model construction (ongoing throughout month) - Work on HCM and Groundwater Conditions draft chapters, specifically finalizing water quality analysis and figures and cross sections, finalizing water level and water quality GW Conditions chapter sections, starting subsidence analysis, and start evaluation of endangered species (ongoing throughout month), work on Water Budget data analysis, specifically assessing watershed soil moisture balances and surface water flow (ongoing throughout month), discussions and additional information for the development of management areas (sent 2/27/20), preparation of a GSP outline for Stantec to use in the preparation of selected GSP sections (started 2/26/20) - Project management
Invoice Total for work in March 2020 (dated April 8, 2020)	61.00	\$15,172.50	\$0.00	\$32.50	\$15,205.00	- Recharge data assessment and quantification for model construction (started 3/1/20) - Finished draft of HCM and Groundwater Conditions chapters, specifically finalizing assessments of subsidence, interconnected surface water, GDEs, and endangered species and completing related figures and text preparation (ongoing throughout month), work on Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow (ongoing throughout month) - Project management
Invoice Total for work in April 2020 (dated May 8, 2020)	114.00	\$28,637.50	\$140.00	\$32.50	\$28,810.00	- Discussion of additional comments from GSA on monitoring well location recommendations and preparation of additional maps and datasets showing expanded monitoring well location areas, transmitted 4/10/20. - Finalization of model strategy memorandum and responses to comments (delivered 4/16/20), model grid development and refinement, initial model layering, recharge analysis, and other model construction tasks (ongoing throughout month). - Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) - Project management
Invoice Total for work in May 2020 (dated June 8, 2020)	131.00	\$32,782.50	\$0.00	\$32.50	\$32,815.00	- Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month) - Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) and initiation of sustainability criteria discussion with GSA (started 5/11/20). - Project management
Invoice Total for work in June 2020 (dated July 8, 2020)	70.00	\$17,127.50	\$280.00	\$32.50	\$17,440.00	- Development of additional data for review and identification of existing wells to sample and equip with transducers, and discussion of monitoring well locations, water quality sampling, and transducer installation with GSA. - Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month) - Reviewing and incorporating comments on draft of HCM and Groundwater Conditions chapters (ongoing throughout month) and development of conceptual sustainability criteria for further discussion with GSA (ongoing throughout month) - Project management
Invoice Total for work in July 2020 (dated August 8, 2020)	85.50	\$18,668.75	\$0.00	\$32.50	\$18,701.25	- Continues discussion of new monitoring well locations, existing wells to sample, and existing wells to equip with transducers with GSA and GSA manager. - Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month) - Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in August 2020 (dated September 8, 2020)	29.50	\$6,366.25	\$70.00	\$32.50	\$6,468.75	- Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month) - Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in September 2020 (dated October 8, 2020)	50.00	\$10,978.75	\$0.00	\$32.50	\$11,011.25	- Ongoing model construction including continuing recharge input development, analyzing outflows, and assessing future water demands (ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria discussion including meeting with GSA member agencies to plan sustainability criteria and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and starting Monitoring Plan chapter of GSP (started 9/10/2020); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management



**Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary**  
 Budget Summary as of: September 30, 2021



Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
Invoice Total for work in October 2020 (dated November 8, 2020)	122.50	\$29,808.75	\$0.00	\$32.50	\$29,841.25	- Ongoing model construction including continuing recharge input development, establishing model geometry and initial parameterization, analyzing outflows, and preparing for calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in November 2020 (dated December 8, 2020)	139.75	\$35,203.75	\$0.00	\$32.50	\$35,236.25	- Ongoing model construction including continuing recharge input development, refining model geometry and parameterization, analyzing outflows, and starting calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, finalizing watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in December 2020 (dated January 8, 2021)	75.00	\$18,337.50	\$0.00	\$32.50	\$18,370.00	- Ongoing model construction including recharge input revisions, refining model parameterization, analyzing outflows, and continuing calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, future water budget component estimation, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in January 2021 (dated February 8, 2021)	132.50	\$33,367.50	\$0.00	\$32.50	\$33,400.00	- Ongoing model refinement, finalizing recharge inputs and hydrology model datasets, calibration to refine parameterization, and analyzing model output (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); ongoing drafting of Sustainability Criteria chapter of GSP (ongoing throughout month); refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in February 2021 (dated March 8, 2021)	112.25	\$28,211.25	\$350.00	\$32.50	\$28,593.75	- Assistance with reviewing alternative monitoring well locations and discussions with well design consultant Ongoing model refinement, calibration to refine parameterization, analyzing model output, and refinement to address water budget questions (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); finalization of administrative draft of Sustainability Criteria chapter of GSP (ongoing throughout month); finalization of administrative draft Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in March 2021 (dated April 8, 2021)	104.00	\$25,851.25	\$420.00	\$32.50	\$26,303.75	- Ongoing model refinement, calibration to refine parameterization, analyzing model output, refinement to address water budget questions relating to quarries, and preparation of future growth and climate change scenarios (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario refinement, and draft water budget writing, (ongoing throughout month); presentation of administrative draft of Sustainability Criteria chapter of GSP to GSA (ongoing throughout month); presentation of administrative draft Monitoring Plan chapter of GSP to GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in April 2021 (dated May 8, 2021)	178.00	\$44,456.25	\$2,030.00	\$32.50	\$46,518.75	- Numerical model finalization, model output analysis, water budget simulations for historical, current, and future conditions including climate change scenarios (ongoing throughout month) - Water Budget draft chapter finalization and presentation to GSA for review (4/26/21), including future water budget and climate change assessment (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters for consistency with numerical model and re-submittal to GSA (ongoing throughout month, drafts resubmitted 4/29/21); and other GSP chapter planning with GSA manager (ongoing throughout month). - Responding to GSP comments and making edits to draft GSP chapters completed to date (started 4/6/21) - Project management and meetings with GSA member agency managers
Invoice Total for work in May 2021 (dated June 8, 2021)	238.75	\$59,852.50	\$1,960.00	\$32.50	\$61,845.00	- Final model simulations and output analysis for historical, current, and future conditions water budgets, including climate change scenarios (ongoing throughout month) - Refinement and discussion of Water Budget draft chapter (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters following discussion with GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Continuing to respond to comments on the GSP made by the GSA and revising individual chapters for complete GSP compilation (ongoing throughout the month) - Compiling complete GSP from individual chapters and preparing for public draft release (started 5/3/21) - Project management and meetings with GSA member agency managers
Invoice Total for work in June 2021 (dated July 8, 2021)	36.25	\$9,001.25	\$0.00	\$32.50	\$9,033.75	- Model file cleanup and packaging (ongoing throughout month) - Compiling complete GSP from individual chapters and preparing for public draft release (Finished 6/3/2021) - Project management and meetings with GSA member agency managers
Invoice Total for work in July 2021 (dated August 8, 2021)	23.50	\$5,777.50	\$0.00	\$32.50	\$5,810.00	- Model file cleanup and packaging (ongoing throughout month) - Project management and meetings with GSA member agency managers
Invoice Total for work in August 2021 (dated September 8, 2021)	23.75	\$5,908.75	\$0.00	\$32.50	\$5,941.25	- Model file cleanup and packaging (ongoing throughout month) - Reviewing initial comment notification and data request messages and coordinating responses (ongoing throughout month) - Project management and meetings with GSA member agency managers
Invoice Total for work in September 2021 (dated October 8, 2021)	50.75	\$12,586.25	\$0.00	\$32.50	\$12,618.75	- Model file cleanup and packaging (ongoing throughout month) - Project management and meetings with GSA member agency managers
<b>Total Budget</b>	<b>3,135.00</b>	<b>\$728,725</b>	<b>\$39,200</b>	<b>\$3,250</b>	<b>\$771,175</b>	
<b>Total Expenditures</b>	<b>2,282.00</b>	<b>\$ 550,947.50</b>	<b>\$ 5,810.00</b>	<b>\$ 845.00</b>	<b>\$ 557,602.50</b>	
<b>Total Remaining</b>	<b>853.00</b>	<b>\$ 177,777.50</b>	<b>\$ 33,390.00</b>	<b>\$ 2,405.00</b>	<b>\$ 213,572.50</b>	
	<b>27.2%</b>	<b>24.4%</b>	<b>85.2%</b>	<b>74.0%</b>	<b>27.7%</b>	

**From:** [Margie Armstrong](#)  
**To:** [AP](#)  
**Cc:** [Ysmael Lu](#)  
**Subject:** FW: Todd Groundwater Bedford-Coldwater GSP September 2021 Invoice and Status Summary  
**Date:** Wednesday, October 27, 2021 8:26:25 AM  
**Attachments:** [Todd Groundwater Invoice. Bedford-Coldwater GSP - October 8, 2021.pdf](#)

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Hi Maria & Nicole,

Please accept this email as my approval for payment of the attached invoice.

Thank You

Margie

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**From:** Victor Harris <victor@hhwaterresources.com>  
**Sent:** Sunday, October 24, 2021 9:49 AM  
**To:** Margie Armstrong <margie@evmwd.net>  
**Cc:** Jorge Chavez <jchavez@evmwd.net>; Shugart, Kelly <kelly.shugart@stantec.com>  
**Subject:** Todd Groundwater Bedford-Coldwater GSP September 2021 Invoice and Status Summary

[\*External E-mail alert! Use caution before clicking links/attachments\* ]

Margie/Jorge,

Please find Todd Groundwater's invoice for September. We have reviewed the invoice and recommend payment.

Thank you,

Victor



## Outside Contracts Summary Report

Consultant Name	Start Date	End Date	Project Description	Total Contract Amount	Cost to Date	Contract Balance	Balance Remaining
Stantec	11/16/17	06/30/22	JPA Administrator	401,659.00	323,893.49	77,765.51	19%
Todd Groundwater	06/01/19	01/31/22	GSP Preparation	771,175.00	557,602.50	213,572.50	28%
GeoScience ABC Liovin	12/01/20	03/31/22	Well Monitoring Design & CM	85,896.00	33,019.65	65,513.35	76%



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority

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Date: November 18, 2021

To: Board of Directors

From: Deputy Treasurer

**SUBJECT: PUBLIC HEARING TO CONSIDER ADOPTION OF THE  
GROUNDWATER SUSTAINABILITY PLAN FOR THE BEDFORD-  
COLDWATER SUBBASIN**

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**RECOMMENDATION:**

1. Adopt the attached Resolution adopting the Groundwater Sustainability Plan (GSP) for the Bedford-Coldwater SubBasin.

**DISCUSSION:**

Todd Groundwater, Stantec, and staff began working on the GSP in second quarter of 2019. In November of 2019, a public meeting was held to introduce the development of the GSP and solicit information, questions and comments from stakeholders.

Stakeholders were notified that the draft GSP was published on the BCGSA website in June of 2021 for a 90-day public review period. A public meeting was conducted on July 15, 2021 to review key aspects of the GSP and receive stakeholder questions and input.

One comment letter was received and the GSP was updated to address the comments received.

Due to its volume, the Groundwater Sustainability Plan is incorporated by reference and can be accessed at: <https://www.bedfordcoldwatergsa.com/documents/>.

After the Board elects to adopt the GSP, it will be uploaded to the California Department of Water Resources (DWR) website prior to the regulatory deadline of January 31, 2022. Once posted to the DWR website, it will be open to public comment again for a period of 75 days. The DWR will consider public comments during its evaluation of the plan.

**FISCAL IMPACT:**

This is an administrative action without direct fiscal impact. The actions described in the GSP that is being considered for adoption have been budgeted and funding is available.

**ENVIRONMENTAL WORK STATUS:**

In accordance with California Water Code §10728.6, the California Environmental Quality Act (CEQA) does not apply to GSP preparation or adoption.

**EXHIBITS/ATTACHMENTS:**

Resolution of Adoption  
Proof of Publication

RESOLUTION NO. 21-02

RESOLUTION OF THE BEDFORD-COLDWATER  
GROUNDWATER SUSTAINABILITY AUTHORITY  
APPROVING THE GROUNDWATER SUSTAINABILITY  
PLAN FOR THE BEDFORD COLDWATER SUBBASIN AND  
AUTHORIZING AND DIRECTING ITS FILING WITH THE  
CALIFORNIA DEPARTMENT OF WATER RESOURCES

WHEREAS, in the fall of 2014 the California legislature adopted, and the Governor signed into law, three bills (SB 1168, AB 1739, and SB 1319) collectively referred to as the “Sustainable Groundwater Management Act” (“SGMA”), that became effective on January 1, 2015, and that has been amended from time-to-time thereafter; and,

WHEREAS, the stated purpose of SGMA, as set forth in California Water Code section 10720.1, is to provide for the sustainable management of groundwater basins at a local level by providing local groundwater agencies with the authority, and technical and financial assistance necessary, to sustainably manage groundwater; and,

WHEREAS, in March of 2017 the Bedford Coldwater Groundwater Sustainability Authority (“BCGSA”) was formed for the purpose of being a Groundwater Sustainability Authority (GSA) for the Bedford Coldwater Subbasin (“Subbasin”); and

WHEREAS, the BCGSA is a Joint Powers Authority GSA consisting of Elsinore Valley Municipal Water District, Temescal Valley Water District, and City of Corona; and,

WHEREAS, SGMA requires GSAs to adopt a Groundwater Sustainability Plans (GSPs) for each basin/subbasin within the GSA’s jurisdiction; and,

WHEREAS, GSPs for basins designated medium priority in Department of Water Resources (DWR)’s Bulletin 118, are due to be filed with DWR no later than January 31, 2022; and,

WHEREAS, the Subbasin is designated very low-priority; and,

WHEREAS, the BCGSA decided to undertake the process to prepare a GSP for the Subbasin to achieve the sustainability goal as required by SGMA using the schedule of medium priority basins; and,

WHEREAS, the BCGSA has provided the notices required by Water Code section 10727.8, and formed an Advisory Committee consisting of local agencies, and

groundwater users in the basin, which has reviewed and provided input into the GSP for the Subbasin; and,

WHEREAS, the BCGSA Board of Directors held numerous public meetings where elements of the GSP for the Subbasin have been presented and discussed, and where the general public has been provided the opportunity to comment on the GSP; and,

WHEREAS, the BCGSA received written public comments on the various elements of the GSP, which have been reviewed and commented on, where and as appropriate, as part of the GSP; and,

WHEREAS, the BCGSA has noticed a public hearing for November 18, 2021, as required by Water Code section 10728.4 for the purpose of consider adopting a GSP for the Subbasin; and,

WHEREAS, at the public hearing, the Board of Directors considered the GSP for the Subbasin and provided opportunity for comments from the public thereon; and,

WHEREAS, the GSP for the Subbasin contains all the elements required by Water Code sections 10727.2 and 10727.4; and,

WHEREAS, after its filing with DWR, the GSP for the Subbasin will be subject to a further public review period, and will undergo review by DWR for a period not exceeding two years; and,

WHEREAS, the GSP for the Subbasin will be subject to further updating during the DWR review period, and periodically thereafter; and,

WHEREAS, it is now necessary and appropriate for the Board of Directors to consider the approval of the GSP for the balance of the Subbasin, and authorize and direct its filing with DWR no later than the date required by SGMA; NOW, THEREFORE,

BE IT RESOLVED, by the Board of Directors of the Bedford Coldwater Groundwater Sustainability Authority as follows:

1. The above Recitals are true and correct.
2. The GSP for the Bedford Coldwater Subbasin is approved for the entirety of the Subbasin.
3. The Deputy Treasurer is hereby authorized and directed to cause the GSP to be filed with the California DWR no later than January 31, 2022, as required by the Sustainable Groundwater Management Act.
4. The Deputy Treasurer is hereby authorized and directed to take such other and further actions as may be necessary or appropriate to implement the intent and purposes of this resolution.

APPROVED, ADOPTED AND SIGNED this 18th day of November 2021.

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Paul Rodriguez, President of the  
Board of Directors of the  
Bedford-Coldwater Groundwater  
Sustainability Authority

ATTEST:

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Phil Williams, Secretary to the  
Board of Directors of the  
Bedford-Coldwater Groundwater  
Sustainability Authority



# THE PRESS-ENTERPRISE

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951-684-1200  
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## PROOF OF PUBLICATION (2010, 2015.5 C.C.P)

Publication(s): The Press-Enterprise

PROOF OF PUBLICATION OF

Ad Desc.: NOPH - BCGSA GSP /

I am a citizen of the United States. I am over the age of eighteen years and not a party to or interested in the above entitled matter. I am an authorized representative of THE PRESS-ENTERPRISE, a newspaper in general circulation, printed and published daily in the County of Riverside, and which newspaper has been adjudicated a newspaper of general circulation by the Superior Court of the County of Riverside, State of California, under date of April 25, 1952, Case Number 54446, under date of March 29, 1957, Case Number 65673, under date of August 25, 1995, Case Number 267864, and under date of September 16, 2013, Case Number RIC 1309013; that the notice, of which the annexed is a printed copy, has been published in said newspaper in accordance with the instructions of the person(s) requesting publication, and not in any supplement thereof on the following dates, to wit:

**11/09/2021**

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Date: November 09, 2021  
At: Riverside, California



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NOTICE OF PUBLIC HEARING  
FOR ADOPTION OF THE GROUNDWATER SUSTAINABILITY PLAN FOR  
THE BEDFORD-COLDWATER GROUNDWATER SUSTAINABILITY AUTHORITY  
UNDER THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT

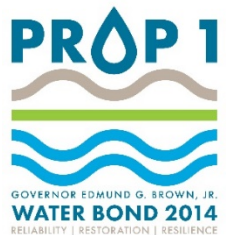
Pursuant to California Water Code Section 10728.4, the Bedford-Coldwater Groundwater Sustainability Authority (BCGSA) shall hold a public hearing to consider adoption of a Groundwater Sustainability Plan (GSP) for the Bedford-Coldwater Groundwater Subbasin (DWR Bulletin 118 Groundwater Basin: 8-004.02). This GSP was prepared in response to passage of the Sustainable Groundwater Management Act of 2014 and applies to areas within the city limits. The public, agencies and other interested parties are invited to attend the November 18, 2021 public hearing which will be held at 4:00 p.m. and provide written and verbal comments. The meeting will be held virtually, with participation information listed on the meeting agenda, which will be available at <https://www.bedfordcoldwatergsa.com/ou/teach/> at least 72 hours prior to the meeting. Comments received during the public hearing will be considered by the Board of Directors for its determination to adopt the proposed GSP. For additional details and to download a copy of the final Groundwater Sustainability Plan, visit <https://www.bedfordcoldwatergsa.com/documents/>. For more information, contact Victor Harris, by email at [victor@hhwaterresources.com](mailto:victor@hhwaterresources.com), or by phone: (626) 840-3592.  
Press-Enterprise: 11/09



**BEDFORD COLDWATER**  
Groundwater Sustainability Authority

# Bedford Coldwater Subbasin Adoption of Groundwater Sustainability Plan

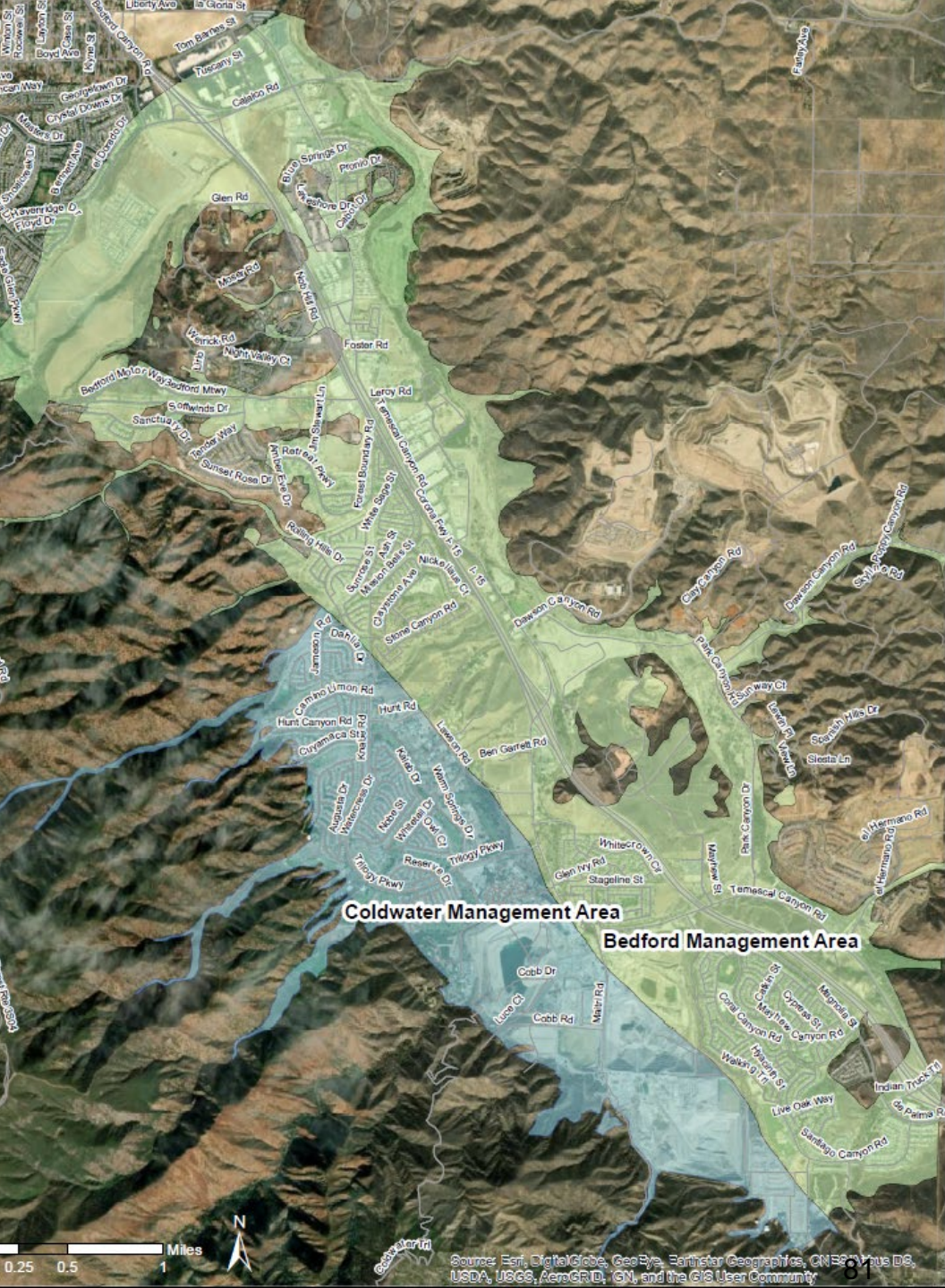
Thursday, November 18, 2021



# Agenda

1. Groundwater Sustainability Goals
2. GSP Schedule
3. Comments Received
4. GSP Commitments





# Bedford-Coldwater Subbasin

- Coldwater Management Area
- Bedford Management Area

**BEDFORD COLDWATER**  
Groundwater Sustainability Authority  
Business Calendar #A.

# Sustainability Goal for the Bedford-Coldwater Basin

- ▶ Provide a long-term, reliable and efficient groundwater supply for municipal, industrial, and other uses;
- ▶ Provide reliable storage for water supply resilience during droughts and shortages;
- ▶ Protect groundwater quality;
- ▶ Support beneficial uses of interconnected surface waters; and
- ▶ Support integrated and cooperative water resource management.

# GSP Schedule

- ▶ Stakeholder meetings held:
  - ▶ November 2019 and July 2021
- ▶ Public draft released for 90-day review: June 2021
- ▶ Comment period closed: September 2021
- ▶ Board approval: November 18, 2021
- ▶ GSP due to DWR: January 31, 2022
- ▶ Going Forward:
  - ▶ First annual report due to DWR: April 1, 2022

# One Comment Received on Draft GSP

- ▶ Groundwater Leadership Forum
  - ▶ The Nature Conservancy
  - ▶ Audubon California
  - ▶ Local Government Commission
  - ▶ Union of Concerned Scientists
  - ▶ Clean Water Action/Clean Water Fund



# Groundwater Leadership Forum Comments

- ▶ Concerns on the following topics:
  - ▶ Disadvantaged communities, drinking water users, and tribes
  - ▶ Interconnected surface water and groundwater dependent ecosystems
  - ▶ Continuing opportunities for stakeholder engagement

# Changes to GSP based on Comments

- ▶ Additional clarifying text on disadvantaged communities and Tribes
- ▶ Siting study for shallow monitoring wells in Temescal Wash
- ▶ Vegetation surveys along Temescal Wash in dry years
- ▶ Updating of the stakeholder outreach plan to include detail on public meetings and opportunities for continuing stakeholder engagement

# GSP Commitments

## **Management Actions:**

1. Compilation of data for annual reports
2. Track groundwater levels
3. Monitor groundwater quality
4. Track groundwater elevations near Temescal Wash
5. Review satellite data on subsidence

## **Projects:**

1. Investigate groundwater/surface water -Temescal Wash
2. Survey of private wells
3. Evaluate relationship between aggregate pits and groundwater



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Sustainability Authority



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Groundwater Sustainability Authority

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Date: November 18, 2021  
To: Board of Directors  
From: Deputy Treasurer  
**SUBJECT: GRANT PROGRESS REPORT**

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**RECOMMENDATION:**

Informational only.

**DISCUSSION:**

Information is being provided for reference purposes.

**FISCAL IMPACT:**

Not applicable

**ENVIRONMENTAL WORK STATUS:**

Not applicable

**EXHIBITS/ATTACHMENTS:**

Grant Progress Report

## Prop 1 SGWP Grant Progress Report

Reporting Period: 07/01/2021 to 09/30/2021 - as reported to DWR  
(with update to 11/8/2021)

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### **Additional tasks completed from 10/1/21 to 11/8/21**

- Completed fully executed contract document and the Notice of Award to ABC Liovin Drilling for construction of two monitoring wells (10/28)
- ABC Liovin began process of monitoring well permit acquisition and traffic plan certification for two monitoring wells with Riverside County
- Conducted pre-construction meeting with Geoscience and ABC Liovin (11/2)
- Edited the GSA website to announce plans to adopt the final GSP (10/25)
- Completed and delivered response to comments on the GSP to NGOs (11/1)
- Discussed grant workplan amendment with Pakiza Chatha of DWR (budget re-organization and time extension) (11/2)
- Completed the final Groundwater Sustainability Plan (GSP) (11/3)
- Posted the final GSP on the GSA website (11/5)
- Prepared Q3 2021 grant invoice and progress report and submitted to DWR (11/5)
- Continued efforts to schedule AB 52-type consultation with Native American organization (as a courtesy, not required)

### **Tasks completed from 07/01/2021 to 09/30/2021:**

#### **Budget Category (a): Grant Administration**

Estimated Percent Complete: 65%

##### **Task: Grant Administration**

- Prepared Q2 2021 invoice and progress report and submit to DWR.
- Addressed comments on Q2 2021 invoice and progress report and submitted Q2 2021 v2 to DWR.
- Edit and provide clarification on Q2 2021 v2 invoice to DWR.
- Begin Q3 2021 invoice and progress report.
- Completed monthly invoice processing for Administrator (Stantec) and subconsultants from 7/1/2021 to 9/30/2021.
- Conducted conference calls with Todd Groundwater and Geoscience to discuss schedule and monitoring well bid updates.
- Review and discuss pre-bid agenda from Geoscience for new monitoring well construction.
- Review PlanetBids submittal and discuss with Geoscience.
- Review bid received from ABC Liovin for monitoring well construction.
- Prepare staff report for ABC Liovin selection for monitoring well construction.
- Review modeling memo from Todd Groundwater.

Milestones or deliverables completed/submitted:

- Q2 2021 invoice and progress report submitted to DWR.

Impediments to completion of Task:

- *None*

Activities that positively/negatively impacted the schedule/budget:

- *None*

## **Budget Category (b): GSP Development**

Estimated Percent Complete: 86%

### **Task 1: Previously Completed Studies**

Estimated Percent Complete: 100%

### **Task 2: Baseline Sampling and Analysis to Support Groundwater Quality Monitoring Program**

Estimated Percent Complete: 100%

### **Task 3: Bedford Coldwater Groundwater Sustainability Agency (BCGSA) Data Management System (DMS)**

Estimated Percent Complete: 77%

- Discuss updated sharepoint site file structure and data transfer.

Milestones or deliverables completed/submitted:

- *None*

Impediments to completion of Task:

- *None*

Activities that positively/negatively impacted the schedule/budget:

- *None*

### **Task 4: GSP Development**

Estimated Percent Complete: 92%

- Todd Groundwater conducted model file cleanup and packaging and participated in BCGSA meetings.
- Todd Groundwater reviewed an initial comment notification and data request messages and coordinated responses.
- Todd Groundwater reviewed GSP comments received and began responses and revisions to the GSP.

Milestones or deliverables completed/submitted:

- *None*

Impediments to completion of Task:

- *None*

Activities that positively/negatively impacted the schedule/budget:

- *None*

### **Budget Category (c): Stakeholder Engagement**

Estimated Percent Complete: 75%

#### **Task 5: Stakeholder Outreach Plan, Website, and Coordination Meetings**

- Attended and prepared materials for discussion during the Administrator’s update portion of the JPA Board meeting (draft meeting minutes are included in Appendix B):
  - 8/19/2021; eligible topics discussed: Administrator’s Update regarding GSP activities and development. The Administrator’s Update is part of the agenda and meeting packet provided to the JPA Board members prior to meetings. Board meeting discussion of the Administrator’s Update is summarized in section 4.C. of the meeting minutes.
- Attended and prepared materials for discussion during a special JPA Board meeting to discuss and approve ABC Liovin as contractor for monitoring well construction on 9/22/2021 (draft meeting minutes are included in Appendix B).
- Prepared materials and conducted BCGSA Staff coordination call with Todd Groundwater (meeting summary is included in Appendix B):
  - 7/8/2021 – Staff meeting to discuss inquiries from stakeholders, monitoring well construction update, stakeholder meeting presentation slides and logistics.
  - 8/12/2021 – Staff meeting to discuss monitoring well construction update and GSP implementation update
- Update BCGSA website with stakeholder meeting information and meeting materials.
- Prepared and mailed stakeholder meeting announcement letters to stakeholders.
- Prepared, edited, and finalized presentation slides for stakeholder meeting on 7/15/2021 (presentation slides and meeting summary are provided in Appendix B).
- Respond to stakeholder OCWD regarding Board member information request.
- Respond to stakeholder from UC Santa Barbara regarding BCGSA data.
- Review and discuss stakeholder comments received from non-governmental organization (NGO) on GSP.

Milestones or deliverables completed/submitted:

- JPA Board meeting minutes (draft) (included in Appendix B)
- Special JPA Board meeting minutes (draft) (included in Appendix B)
- BCGSA Staff coordination meeting summaries (included in Appendix B)
- GSA stakeholder meeting summary and presentation slides (included in Appendix B)

Impediments to completion of Task:

- *None*

Activities that positively/negatively impacted the schedule/budget:

- *None*

### **Budget Category (d): Construction/Implementation**



Estimated Percent Complete: 12%

**Task 6: Monitoring Well Equipment Installation**

**Estimated Percent Complete: 10%**

Milestones or deliverables completed/submitted:

- *None*

Impediments to completion of Task:

- *None*

Activities that positively/negatively impacted the schedule/budget:

- *None*

**Task 7: New Monitoring Wells**

**Estimated Percent Complete: 22%**

- Stantec reviewed and edited short form documents from Geoscience for new monitoring well construction.
- Stantec reviewed updated specifications from Geoscience for new monitoring wells.
- Stantec reviewed documents and developed text for monitoring well construction RFP based on grant requirements.
- Geoscience prepared for and attended a project kick-off meeting and site reconnaissance for new well construction.
- Geoscience prepared CEQA documents for new well construction. Notice of Exemption is included in Appendix C.
- Geoscience provided assistance during the bidding process for a contractor for well construction.
- Geoscience prepared detailed technical plans, permit applications, specifications, and Engineer's estimate for new well construction. Final well designs and Encroachment Permit are included in Appendix C.
- Geoscience prepared for and attended a pre-construction meeting with monitoring well constructor, ABC Liovin, and provided construction management.

Milestones or deliverables completed/submitted:

- Final Well Designs (included in Appendix C)
- Notice of Exemption (included in Appendix C)
- Encroachment Permit (included in Appendix C)

Impediments to completion of Task:

- *None*

Activities that positively/negatively impacted the schedule/budget:

- *None*

**Task 8: Project Monitoring Plan**

**Estimated Percent Complete: 100%**

Milestones or deliverables completed/submitted:

- *None*

Impediments to completion of Task:

- *None*

Activities that positively/negatively impacted the schedule/budget:

- *None*

### **Major activities for next reporting period:**

Site preparation and mobilization of drilling equipment for monitoring well construction at MW-2 site is scheduled for December 7, 2021. Monitoring well construction and equipping with transducers is expected to be completed in the next reporting period. The adopted GSP will be uploaded to the DWR website prior to the regulatory deadline of January 31, 2022. Efforts will begin to develop the first annual GSP reporting due to DWR in April of 2022. Work will begin on the Grant Completion Report (a grant deliverable). The budget for the next fiscal year will be drafted.

**Status of Grant Invoicing**  
**Reporting Period: Inception to Date through 09/30/2021**

Category	Grant Allocation		Total Invoiced	Local Contribution	Grant	Retention Withheld	Net Grant \$ to be Paid	Paid to Date
	Local Contribution	Grant Share						
(A) Grant Administration	125,000	150,000	88,697	88,697	-	-	-	-
(B) GSP Development	725,500	675,000	940,314	725,500	214,814	21,481	193,332	171,307
(C) Stakeholder Engagement	24,500	50,000	74,334	24,500	49,834	4,983	44,851	41,725
(D) Construction/Implementation	125,000	125,000	51,578	51,578	-	-	-	-
	\$ 1,000,000	\$ 1,000,000	\$ 1,154,923	\$ 890,275	\$ 264,648	\$ 26,465	\$ 238,183	\$ 213,032

