

Scope of Work and Fee Estimate

April 17, 2020

Port of Bellingham

Whatcom Waterway Phase 2 Cleanup Project

PSA Amendment #1

Project Understanding

This scope of work and fee estimate summarizes design activities that will be performed for the Port of Bellingham (Port) by the Anchor QEA team to support required cleanup in Phase 2 areas of the Whatcom Waterway Site.

This proposed phase of work to be completed in 2020 and early 2021 includes the following activities:

- Ongoing project management services and meeting attendance.
- Key partner/stakeholder outreach and coordination.
- Amendment to the existing Consent Decree.
- Permitting support and approach development.
- Remedial design activities leading to the development of the Engineering Design Report (EDR).
- Completion of pre-remedial design investigations/evaluations to inform permitting and design.

Future services, including project permitting, engineering design, bid and construction management support services, will be defined under separate scopes of work as PSA Amendments to the primary contract with the Port.

Proposed tasks to be completed as part of this scope of work will build upon the existing contract task structure. Table 1, below, summarizes the proposed Project Task Structure and fees.

Table 1: PSA Amendment #1 Task Structure and Fee Summary

Task Number	Task Description	Task Status	Original Task Fee	Amendment No.1 Task Fee	Total Task Fee
1	Project Management and Meetings	Ongoing	\$51,062.00	\$38,518.00	\$89,580.00
2	Key Partner/Stakeholder Outreach and Coordination	Ongoing	\$14,985.00	\$70,363.00	\$85,348.00
3	Remediation Alternatives Analysis	Complete	\$95,718.00	\$0	\$95,718.00
4	Pre-Design Surveys	Complete	\$99,940.00	\$0	\$99,940.00
5	Year 3 Monitoring and Reporting	Complete	\$315,633.00	\$0	\$315,633.00
6	Consent Decree Amendment	New Task	\$0	\$52,441.60	\$52,441.60
7	7a. Initial Permitting Support	New Task/Subtasks	\$0	\$35,804.00	\$35,804.00
	7b. Document Navigation and Land Use Assumptions	New Task/Subtasks	\$0	\$72,800.00	\$72,800.00
8	Pre-Remedial Design Investigations/Evaluations	New Task	\$0	\$514,783.70	\$514,783.70
9	Engineering Design Report	New Task	\$0	\$151,723.68	\$151,723.68
Totals			\$577,338	\$936,433.98	\$1,513,771.98

The fee estimate (Attachment A) is provided to present the estimated level of effort/cost by task. Details of the requested scope of work activities, including deliverables, assumptions, and schedule, are described in the following sections.

Scope of Services

Task 1: Project Management and Meetings

Anchor QEA will perform contract administration project management activities throughout the duration of this scope of work. Services will include development of a baseline schedule and routine schedule updates, subcontractor contract coordination, task budget tracking and updates, monthly project invoicing and file management, and general coordination with the Port on related topics.

Task 1 Assumptions

- Overall project management activities will be tracked in Task 1. Project coordination activities related with implementation of the specific project tasks are captured in the other project tasks.
- The project baseline schedule will be updated (including explanation for schedule variance) and provided to the Port when there are significant adjustments that affect milestone deadlines.
- Anchor QEA and the Port will participate in two brief project management coordination meetings per month for coordination on contract administration and other action items.
- Anchor QEA will continue to maintain a SharePoint site with project library for document sharing, co-authoring, and review.
- Team coordination will be completed on a monthly basis for invoice preparation and task budget reviews/updates relative to project progress.

Task 1 Deliverables

- Project schedule (including key milestone deadlines) and schedule updates as necessary.
- Monthly project invoices and budget updates as necessary.
- Meeting action item summaries.
- SharePoint site with access to the Port and team.

Task 1 Schedule

- Project management services assumed to occur from April 2020 through January 2021.
- Project management services will be provided throughout the duration of this scope of work.

Task 2: Key Partner/Stakeholder Outreach and Coordination

This scope of work includes supporting the Port with overall outreach to regulatory agencies, tribes, and other stakeholders. Task 2 activities will include development of a Key Partners/Stakeholder Outreach and Engagement Plan (Key Partners/SEP) that will outline methods to be used to coordinate, communicate, and engage with regulatory agencies, tribes, and other stakeholders

during this scope of work and provide ongoing updates to the key partners/stakeholders as the project unfolds. This Key Partners/SEP will include but not be limited to:

- Developing an initial list of project stakeholders (including regulatory agencies, public and tribes).
- Defining outreach and engagement plans customized to anticipated stakeholder concerns.
- Discussions with key agency representatives, the tribes, and other stakeholders regarding the project remedial approach and schedule for the project.
- Initiate land use discussions with Port sponsors and potential future users.
- Development of outreach materials, such as fact sheets, Port webpage content, project signage and/or other outreach tools.

Task 2 activities will include the development of the “foundational” outreach products that will support the communication of the Remedial Design. Additional effort will include implementing elements of the Key Partners/SEP related to coordination and communications (including but not limited to attending up to three community/stakeholder meetings) and related to planning workshops and charrettes with stakeholders.

Task 2 Assumptions

- A Key Partner and Stakeholder Outreach and Engagement Plan will be established for the design team to complete stakeholder engagement and communication throughout this year’s project activities.
- The team will conduct outreach to the vessel pilot association as part of the key partner and stakeholder outreach and coordination process.
- Attendance at Port team coordination meetings to develop and refine the outreach activities.
- Attendance and presentation at stakeholder meetings (e.g., to up to three meetings) is assumed throughout the period of this scope of work.
- This task does not assume effort to coordinate Consent Decree Amendments; this will be conducted as part of Task 6.
- This work is anticipated to be coordinated with Ecology’s outreach program but is not intended to supplement or replace Ecology’s outreach program.

Task 2 Deliverables

- A Key Partners/SEP will be prepared and submitted to the Port to identify and document project stakeholders, known challenges, and necessary outreach materials/products.
- “Foundational” Outreach products identified in the Key Partners/SEP will be prepared in coordination with the Port and submitted for Port’s review.

Task 2 Schedule

- Task 2 activities are anticipated to be completed throughout 2020.

Task 3: Remediation Alternatives Analysis

No additional scope or budget is proposed as part of PSA Amendment #1.

Task 4: Pre-Design Surveys

No additional scope or budget is proposed as part of PSA Amendment #1.

Task 5: Year 3 Monitoring and Reporting

No additional scope or budget is proposed as part of PSA Amendment #1.

Task 6: Consent Decree Amendment

Task 6 activities will include support for development and execution of an amendment of the existing Cleanup Action Plan (CAP) and Consent Decree (CD). The process for completing the CD amendment is assumed to be the same or similar to that used during the First Amendment to the Consent Decree (2011), including development of an amendment to the CAP and schedule of deliverables, and completion of a public review process led by Ecology staff.

During project meetings in 2019 and 2020, Ecology staff have expressed initial support for amending the Cleanup Action Plan to include a proposed reconfiguration of the confined disposal facility (CDF) to be constructed within the ASB. The proposed CDF reconfiguration is expected to improve CDF capacity, reduce overall project costs and align with current land-use considerations. The proposed reconfigured CDF also preserves and enhances habitat and public access objectives.

Changes to the existing Consent Decree and requirements are anticipated to include 1) updates to the remedial approach as described above, 2) adoption of a revised exhibit of required deliverables, and 3) incorporation of Ecology's regional background level as the cleanup standard for dioxin/furans within Site sediments. That value (15 ng TEQ/kg) has already been applied as the performance standards for the completed Phase 1 cleanup activities and is used by Ecology as the cleanup level for dioxin/furans at other sediment cleanup sites in Bellingham Bay.

Under this Task, Anchor QEA will develop a draft amendment to the Cleanup Action Plan and will support Ecology in developing communication materials for the formal public review process. Following public review, Anchor QEA will assist Ecology in developing a responsiveness summary and the final amendment to the Cleanup Action Plan for execution of the CD amendment.

Task 6 Assumptions

- Anchor QEA will participate in 4 to 5 meetings or teleconferences with the Port and Ecology staff as necessary to support development of the draft CAP amendment.

- Anchor QEA will assist provide draft project briefing materials for use by the Port staff during outreach activities related to the Consent Decree amendment, including Port Commission meeting(s), a supplemental public meeting or open house, and meetings with project partners and stakeholders.
- Anchor QEA will prepare a draft CAP amendment and updated CD exhibits and will work with Port staff and Ecology on the finalization of those documents.
- Anchor QEA will coordinate with Port staff and counsel during development of the Consent Decree amendment.
- Anchor QEA will provide support to the Port and Ecology during the formal public review process including development of outreach and presentation materials, preparation of a draft responsiveness summary and other support as needed.

Task 6 Deliverables

- Draft Cleanup Action Plan Amendment (an exhibit to the CD Amendment).
- Final Cleanup Action Plan Amendment.
- Revised project schedule of deliverables.
- Outreach materials supporting the public review process (to be incorporated into Ecology materials).
- Participation in a public meeting for the CD Amendment.
- Support Ecology with a draft Responsiveness Summary in response to public comments received on the CD amendment.
- Participation in additional meetings or teleconferences with Port staff, counsel and stakeholders to support the CD amendment process.

Task 6 Schedule

- Task 6 activities are anticipated to be completed in summer and fall 2020 with a final Consent Decree Amendment fully authorized by early 2021.

Task 7: Permitting Support

Task 7 includes effort to develop permitting materials for the Phase 2 cleanup and associated agency and stakeholder outreach. Formal permit submittal will not be conducted until 2021. The activities under this task are to be performed now to ensure alignment of the project remedial design and schedule with applicable permitting and agency approval requirements.

Task 7a: Initial Permitting Support

Under this Task, Anchor QEA will develop a detailed permitting matrix expanding on the list of required permits and approvals developed as part of the Design Evaluation Memorandum. The matrix will summarize permitting agency regulatory requirements that must be addressed by the project, including identification of associated parameters (e.g., in-water work windows, habitat

balancing metrics) to be considered during detailed design. The permitting matrix will be maintained and updated during completion of pre-design investigations and development of remedial design activities.

As part of this task, Anchor QEA will also participate in meetings with the Port and agencies, tribes or other stakeholders as necessary to confirm permitting requirements and agency expectations.

Task 7b: Document Navigation and Land Use Assumptions

A limited review of existing and future planned navigation and land uses will be conducted in coordination with Port staff to support project permitting activities. This work will specifically support future development of the project's purpose and need statement for permitting under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act, and will also support necessary permitting related to advanced mitigation credits to be generated during the project.

The work to be conducted during 2020 will document current and future likely navigation and land uses within the project area with enough specificity to support those activities. Specific work to be performed during 2020 includes the following:

- BST Associates will compile, review and summarize existing work products and data, and studies documenting current and future navigation and land uses that may utilize the project's Marine Trades areas following completion of remediation, including how those uses may interact with or affect the Bellingham Shipping Terminal and the Whatcom Waterway channel uses. This review will rely on recent studies and industry data and will consider the unique characteristics of the project site (including expected post-remediation conditions). The output of the review will be an initial matrix of candidate navigation and land uses.
- Communications with stakeholders regarding land-use planning and marine trades programming for the ASB project area.
- The Port will conduct a 1-day series of focused charettes during which feedback will be obtained from stakeholders with specialized knowledge of different Marine Trades land and navigation uses and associated infrastructure needs. The charettes will be used to further develop the list of candidate navigation and land uses and define the different levels of fit between those uses and the opportunities and constraints associated with the remediated project area. BST and Anchor QEA will support the charettes with facilitation, graphics support and charette documentation.

Following completion of the charettes and workshops, the initial matrix of candidate navigation and land uses will be updated to document how different uses may be expected to utilize the project area. The matrix will focus on identifying the most likely types of land and navigation uses, the development and infrastructure needs of those uses, and synergies or conflicts between planned

remediation work and those potential future uses. The matrix will be suitable for referencing during future permitting steps, including the development of the purpose and need statement for the project and for use in programming advanced mitigation credits to future Port actions.

Task 7 Assumptions

- Task 7a:
 - Anchor QEA will develop a permitting matrix identifying requirements of different agency permits and approvals required for project implementation.
 - Anchor QEA will participate in meetings or teleconference with the Port and agencies, tribes or stakeholders as necessary to confirm permitting requirements and agency/stakeholder expectations.
- Task 7b:
 - Anchor QEA and BST will develop a matrix of candidate navigation and land uses, building on previous analyses and studies
 - The Port will conduct a 1-day charette with knowledgeable industry experts and stakeholders. Anchor QEA and BST will provide facilitation, graphics support and documentation for the charette.
 - The navigation and land use matrix will be updated following completion of the charettes. The updated matrix will be suitable to support project permitting submittals to be conducted during 2021.
 - Detailed economic evaluation of the candidate navigation and land uses is not included in the current PSA amendment but could be conducted in the future if desired by the Port.

Task 7 Deliverables

- Task 7a:
 - Permitting and approval matrix (to be updated throughout the year as new information becomes available).
 - Meeting materials for support of agency and stakeholder meetings.
- Task 7b:
 - Initial matrix of candidate land and navigation uses
 - Graphics and facilitation information for Port-led charettes with industry experts and stakeholders.
 - Updated matrix of candidate land and navigation uses (following completion of the charettes)

Task 8: Pre-Remedial Design Investigations and Evaluations

Task 8 activities will include the implementation of pre-remedial design investigations, including work planning, conducting a field program (sampling, sample analysis, and data management) to collect necessary environmental and engineering data, and preparing a report (as an appendix to the EDR) documenting results of each pre-remedial design element of data collection, with the overall goal of informing the remedial design. Additional Task 8 effort will include review of existing structure condition reports for applicable structures and completion of additional structure condition assessments and inspections, as required.

Specific pre-remedial design investigations and evaluations to be included in this scope of work include the following:

- Development of an amendment to the existing Pre-Remedial Design Investigation Work Plan for review and approval with Ecology, and an updated Health and Safety Plan (HASP).
- Submittal of a JARPA for a Nationwide 6 permit to collect the proposed samples/data.
- Implementation of a pre-remedial design field investigation program that includes the following elements:
 - **Surface Grab Samples.** Grab samples will be collected at up to twelve locations in Whatcom Creek and the tide flat at the head of the Whatcom Waterway in order to identify a potential source of dioxin/furans. Elevated dioxin/furans have been identified in samples collected at the head of the Waterway during completion of Phase 1 Year 3 monitoring activities and Ecology comments specified the need for a source control investigation to respond to the issue.
 - **Subsurface Vibracore Samples.** Subsurface core samples will be collected to characterize the Whatcom Waterway Phase 2 remediation areas. Except for the under-pier areas, target core depths are 12 – 15 feet below mudline and cores will be processed into one-foot intervals. Samples that are not being analyzed and aliquots from each interval that will be analyzed will be collected as archives for potential future analyses. Cores will be collected as follows:
 - Units 1A and 1B – Up to ten cores will be collected at evenly distributed intervals. Up to four samples at the base of the expected dredge prism in each core will be submitted for dioxin/furan and mercury analyses to verify the transition between clean and contaminated sediments.
 - Unit 1C – Up to six cores will be collected to supplement the existing four cores that were collected previously. Up to four samples at the base of the expected dredge prism in each core will be submitted for dioxin/furan and mercury analyses to verify the transition between clean and contaminated sediments.
 - Unit 2B – Up to six cores will be collected, and up to four samples at the base of the expected dredge prism in each core will be submitted for dioxin/furan and

mercury analyses to verify the transition between clean and contaminated sediments.

- Unit 6 – Up to four cores will be collected and up to four samples within and at the base of the expected dredge prism in each core will be submitted for dioxin/furan and mercury analyses to verify the transition between clean and contaminated sediments.
 - Under-Pier – Up to eight cores will be collected from Unit 1C under-pier area and eight cores from Unit 2C under-pier area from the log pond to the head of the channel to a target depth of four feet. Cores will be processed into one-foot intervals and analyzed for mercury. Up to two intervals from each core will be analyzed for dioxins.
- **ASB Samples.** Up to four samples will be collected from the ASB for select geotechnical analyses to evaluate sediment behavior when loaded and compressed during and following construction of the CDF. Samples will be collected with a long-arm backhoe. Additional in-situ vane shear geotechnical testing of ASB soft sediment will also be performed to further evaluate the shear strength and other physical properties of these materials.
 - **Jet Probe Surveys.** Jet probe surveys will be conducted by divers to determine the depth of the sediment overlying the rock in Unit 5B, around the edges of Unit 2B, and in the under-pier areas of Units 1C and 2C from the log pond to the head of the channel. Surveys will be conducted in approximate 100 foot transects in Units 5B, 1C, and 2C and every 100 feet around Unit 2B. Results of the surveys will be documented in written and figure format and included for presentation in the EDR.
 - **Eelgrass Surveys.** Eelgrass surveys will be conducted by divers in all Phase 2 project areas where eelgrass is anticipated to be present. At a minimum, eelgrass surveys will be conducted at the north and south outer boundaries of the ASB and inside the log pond area, adjacent to Unit 2C, and results will be reported in the EDR and used to inform project permitting and design efforts.
 - **Underpier surveys.** Surveys will be conducted within Units 1C and 2C under-pier areas to fill elevation data gaps. Multibeam and lidar surveys were previously conducted, however, data gaps have been identified and measurements will be taken by hand at low tide along approximate 50-foot transects to confirm the elevation and slope below the BST structure.
- The results of this pre-design investigation effort will be incorporated in the EDR in an appendix.

Task 8 Assumptions

- Data collection needs will be based on current data gaps and may be adjusted based on Ecology requirements.
- Field program will encompass data collection for both environmental and engineering purposes, including collection of subsurface sediment samples (vibracores and diver cores), surface sediment grab samples, jet probing, eelgrass surveys, and under-pier condition and sediment thickness surveys as described above.
- A Nationwide 6 permit will be obtained and coordinated with the Port and other key partners and stakeholders in advance of completion of the work.
- Two days and two Anchor QEA staff will be required for surface sediment grab sample collection in Whatcom Creek.
- Seven days, two Anchor QEA staff for collection, and three Anchor QEA staff for processing will be required for subsurface core sampling. Core processing will be performed in a locking trailer, which will be stored at a suitable location to be determined in coordination with the Port.
- Jet probe and eelgrass surveys will occur consecutively over a two-day period.
- USEPA Stage 2B data validations will be performed for all environmental data collected as part of this investigation effort.
- Physical testing of the ASB soft sediments and other dredge material will be conducted for evaluation of sediment behavior for placement within the CDF.
- Evaluation of geotechnical data will be completed as part of this subtask to examine settlement/consolidation behavior of the soft sediments during and following construction of the CDF.
- As part of the field program, the Phase 1 PRDI Health and Safety Plan will be modified as needed to describe the health and safety requirements and procedures to be followed by Anchor QEA personnel (and subcontractors) during sampling activities.
- All acquired data will be loaded into the project database and validated per specified quality assurance plans. The compiled data package (field logs, laboratory reports and electronic data deliverables, and data validation reports) will be provided in the EDR.
- Following the phase of data collection, results will be communicated to the Port and Ecology to summarize sampling findings and identification of any remaining data gaps.

Task 8 Deliverables

- The Phase 1 Field Sampling and Analysis Work Plan and associated Quality Assurance Project Plan will be modified as needed and submitted to the Port. It is assumed that two versions (draft and final) of the Field Sampling and Analysis Work Plan will be needed.
- The Phase 1 project-specific Health and Safety Plan (HASP) will be modified as needed and coordinated with the various team members as appropriate.

- The pre-design remedial investigation environmental and engineering data, along with data submittal packages, will be incorporated in the EDR.

Task 8 Schedule

- Task 8 sample collection activities are anticipated to be implemented in summer 2020.
- Sample testing, data management and reporting will be completed following implementation of the data collection and sample testing efforts.

Task 9: Engineering Design Report

The Remedial Design task will build on the recommendations provided in the Design Evaluation Memorandum (Anchor QEA 2020) and will begin the development of the EDR which is a required deliverable under the Consent Decree. This task assumes that completion of the EDR will occur under a separate PSA amendment in 2021.

Key design assumptions and potential risk elements will be defined as part of Task 9 activities. The cost estimate included in the Design Evaluation Memorandum (Anchor QEA 2020) will also be updated based on more detailed design assumptions.

Anchor QEA and WSP will continue coordination with the Port to further develop the remedial design assumptions and associated costs. The team will focus on additional engineering considerations associated with the required scope of construction work, sequencing considerations and risk identification/quantification.

Specific engineering document reviews and evaluations will be completed as part of Task 9 activities to inform further refinement of the remedial design assumptions and cost estimate, including vessel movements and maintenance dredging needs based on coordination and input provided by the pilot's association and assessment of target draft elevations adjacent to and below structures. This will include gathering input from the Pilots Association regarding vessel movements and dredging maintenance needs. Target draft elevations at the face of docks and under pier structures will also be identified, following review of slope and structure stability considerations.

Task 9 Assumptions

- Results of engineering evaluations and additional data collection (completed as part of Task 8 activities) will be used to further refine project dredging and material management volumes and overall estimated construction costs.
- Structural engineering efforts will include further evaluation of a containment wall/berm within the ASB, assessment of slope and structure stability and achievable target berth elevations at the BST, and evaluation of existing structures and slope stability at the Chemical Dock and GP Dock.

- Additional coordination meetings (up to three) will be held to continue coordination with Port engineering, facility users and operators to consider the interface of land-use and remediation.
- Task 9 activities will include remediation and land-use considerations based on outcomes of the initial permitting (Task 7a) and land-use evaluations (Task 7b) and will incorporate results from pre-remedial design investigations and evaluations (Task 8).

Task 9 Deliverables

- Task 9 deliverables will include initial EDR materials, including an outline of the EDR with drawings and supporting narrative describing the key project elements evaluated under this task. An updated cost estimate will also be provided, documenting any changes resulting from the PRDI investigations and design activities.
- Port comments on the initial EDR materials will be incorporated into the future development of the EDE. The remaining portions of the EDR will be completed under a separate PSA amendment in 2021.

Task 9 Schedule

- Task 9 activities are anticipated to be implemented between April 2020 and January 2021.

Fee Estimate

A summary of proposed fees for this scope of work is presented in Table 1, with detailed cost assumptions provided in Attachment A. Work will be invoiced on a time-and-materials basis for the total fee, which is not to exceed an agreed-upon value for the project based on the costs provided in Table 1. Anchor QEA will communicate with the Port if project changes occur that impact the budget required to complete the proposed activities included in this scope.

Anchor QEA appreciates the opportunity to provide this scope of work and fee estimate to the Port of Bellingham. Please contact me at (206) 903-3327 or mwoltman@anchorqea.com if you have questions.

Sincerely,



Matt Woltman, PE, LEG
Principal Engineer

Attachment A

Fee Estimate

Whatcom Waterway Phase 2 Cleanup Project
PSA Amendment #1 - April 2020

Task	Task Description	Hours by Labor Categories (hourly rates shown in parentheses)										Total Hours	Total Labor Cost	Total Subcontractor Expenses	Total Reimbursable Expenses	Total Equipment Expenses	Total Direct Expenses	Total Cost
		Principal (\$257)	Senior Manager (\$227)	Manager (\$217)	Senior Staff (\$193)	Staff 3 (\$173)	Staff 2 (\$153)	Staff 1 (\$133)	Senior CAD Designer (\$133)	Technical Editor (\$103)	Project Coordinator (\$103)							
1	Project Management and Meetings	138.00	-	-	-	-	-	-	-	-	24.00	162.00	\$ 37,938.00	\$ -	\$ 580.00	\$ -	\$ 580.00	\$ 38,518.00
2	Key Partner/Stakeholder Outreach and Coordination	36.00	4.00	4.00	-	-	-	-	-	-	-	44.00	\$ 11,028.00	\$ 58,008.60	\$ 1,326.40	\$ -	\$ 59,335.00	\$ 70,363.00
3	Remediation/Alternatives Analysis	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	Pre-Design Surveys	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	Year 3 Monitoring and Reporting	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	Consent Decree Amendment	80.00	16.00	24.00	24.00	32.00	32.00	-	32.00	20.00	8.00	268.00	\$ 51,604.00	\$ -	\$ 837.60	\$ -	\$ 837.60	\$ 52,441.60
7	Permitting Support	54.00	20.00	20.00	-	60.00	-	-	10.00	8.00	4.00	176.00	\$ 35,704.00	\$ 72,800.00	\$ 100.00	\$ -	\$ 72,900.00	\$ 108,604.00
8	Pre-Remedial Design Investigations/Evaluations	78.00	12.00	36.00	216.00	284.00	342.00	186.00	14.00	38.00	46.00	1,252.00	\$ 208,980.00	\$ 294,477.10	\$ 8,142.10	\$ 3,184.50	\$ 305,803.70	\$ 514,783.70
9	Remedial Design Report	70.00	24.00	90.00	-	100.00	-	-	40.00	16.00	12.00	352.00	\$ 68,472.00	\$ 82,434.08	\$ 817.60	\$ -	\$ 83,251.68	\$ 151,723.68
Total Hours		456.00	76.00	174.00	240.00	476.00	374.00	186.00	96.00	82.00	94.00	2,254.00						
Total Cost		\$117,192	\$17,252	\$37,758	\$46,320	\$82,348	\$57,222	\$24,738	\$12,768	\$8,446	\$9,682		\$413,726.00	\$507,719.78	\$11,803.70	\$3,184.50	\$522,707.98	\$936,433.98