APPENDIX A1 AERIAL PHOTOGRAPHS OF USES OF THE PROPERTY

1922

1936

1940

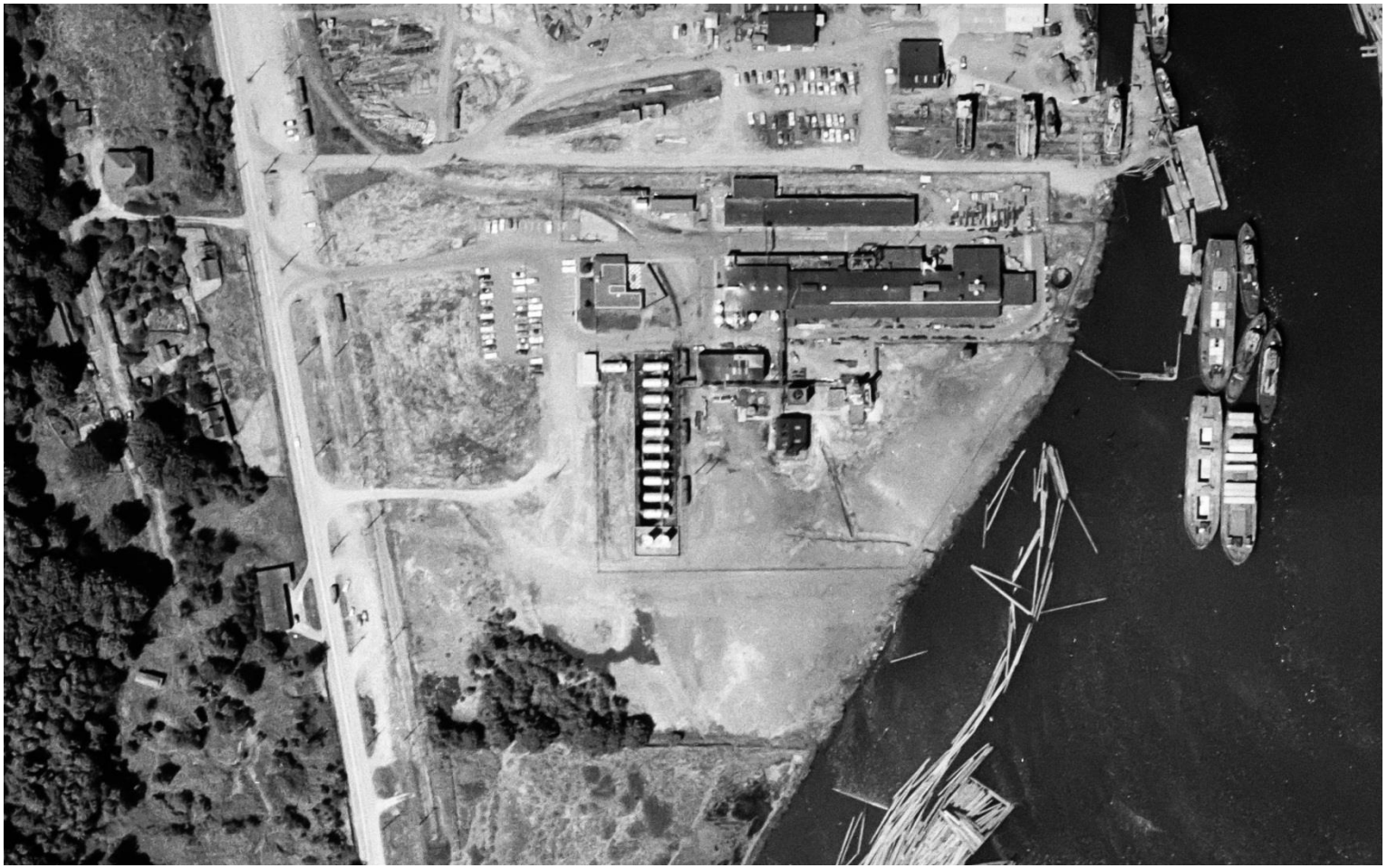
1942

1946

1951

1956

1959



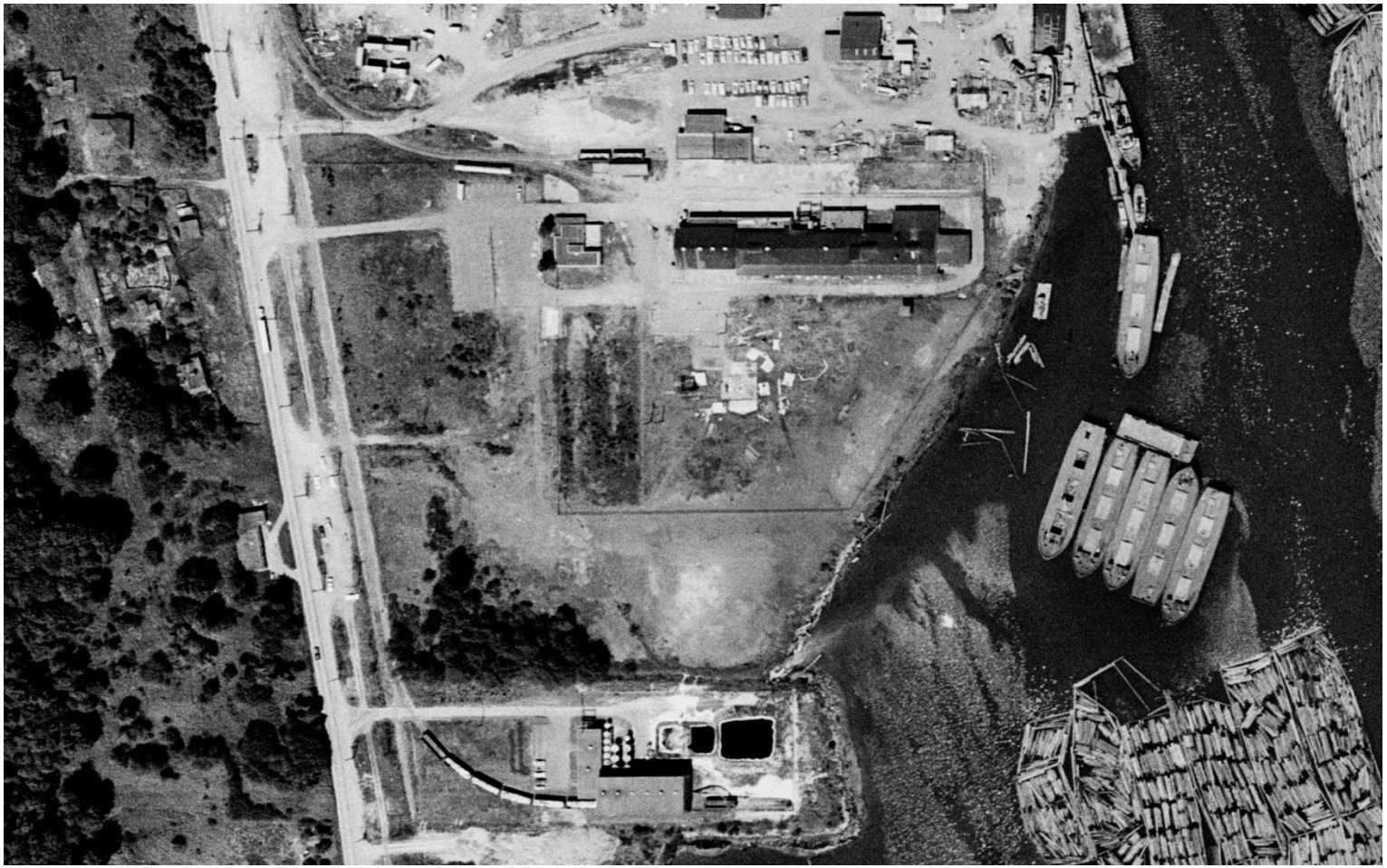
1960

1961

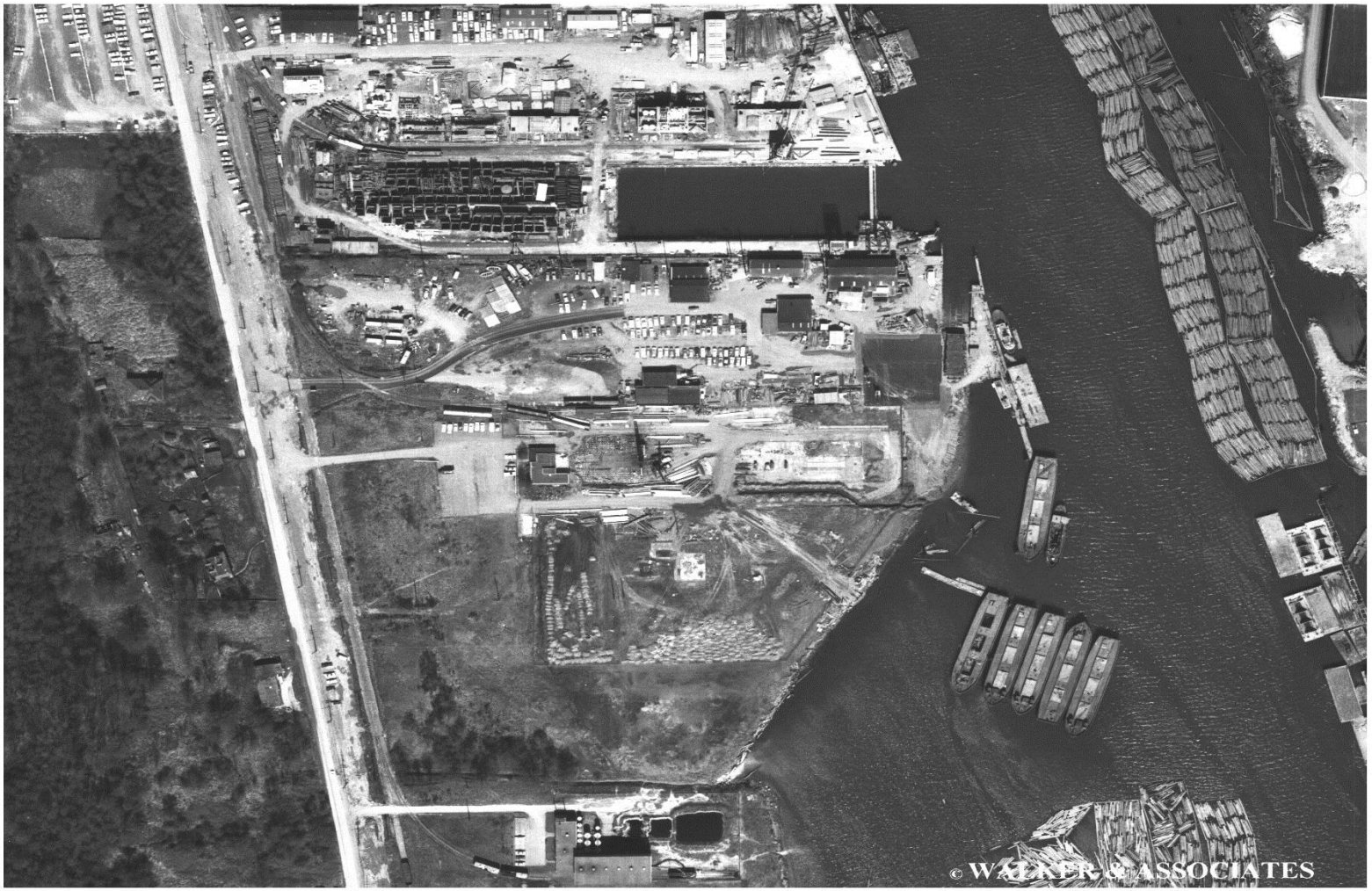
1965a

1965b

1966



1967a



1967b

1968

1969

1970

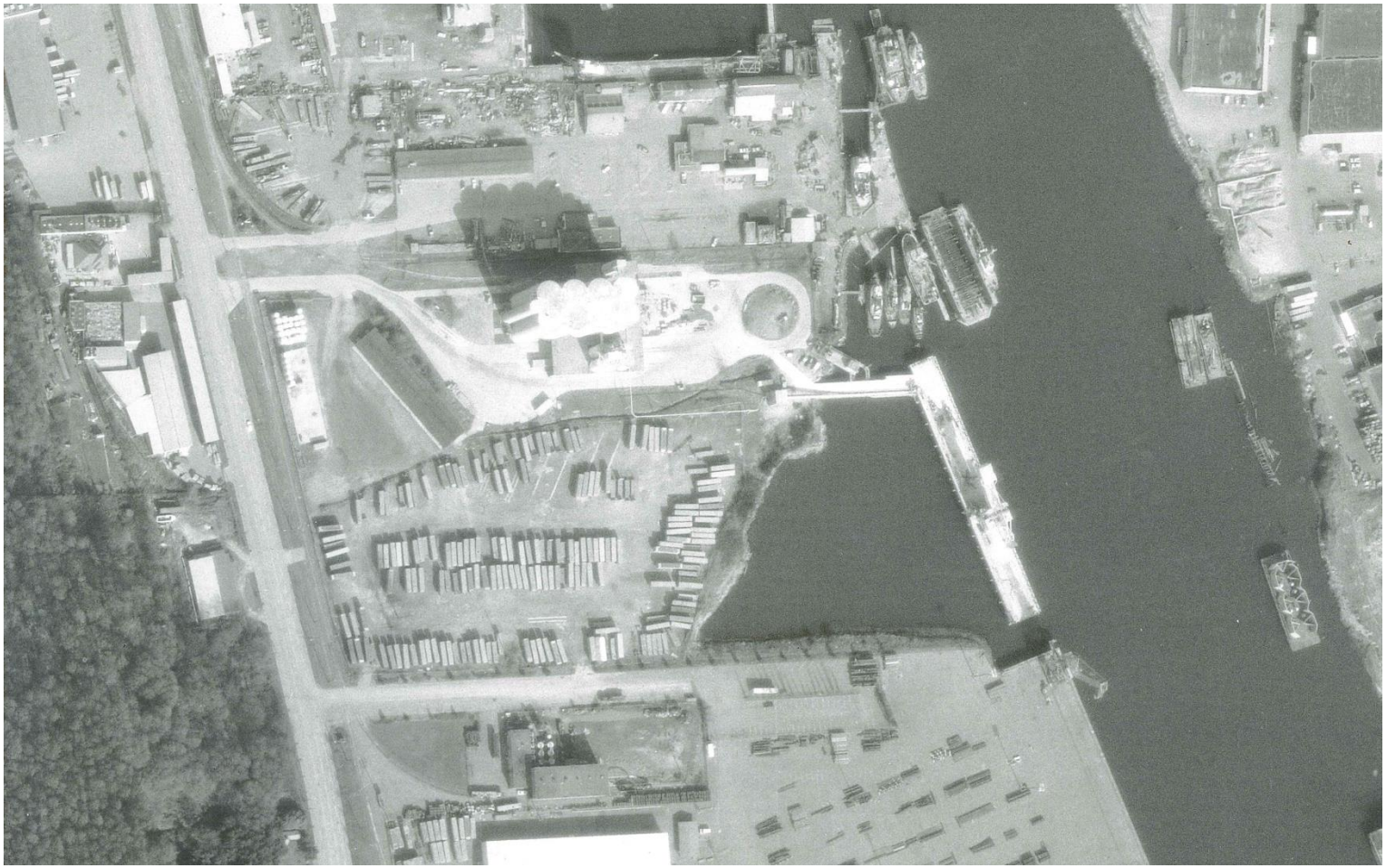
1972

1974

1976

1980

1985



1998

2002

2005

2006

2007

2010

2012

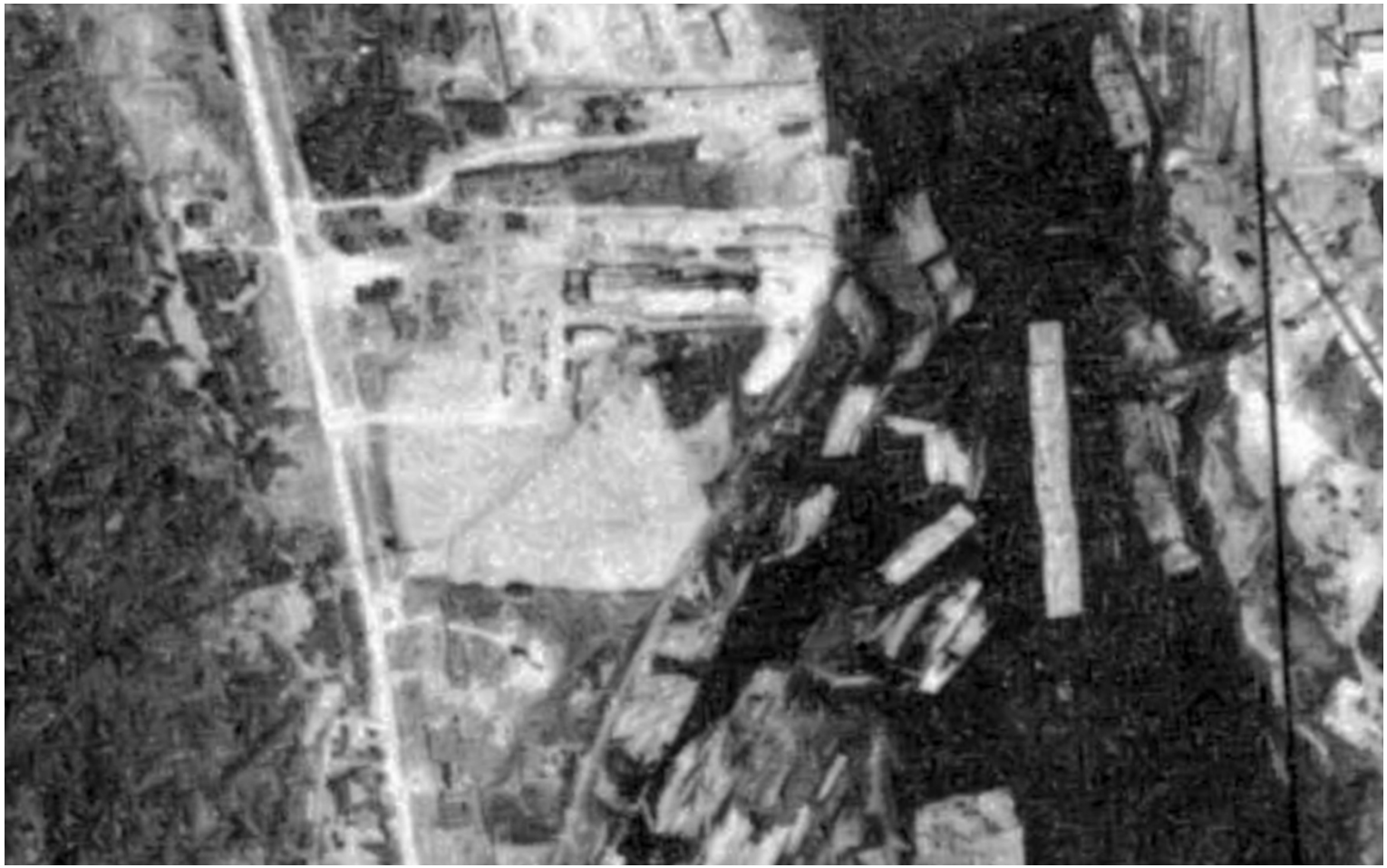
©2013 Google
Google earth
Imagery Date: 7/5/2012 lat 47.549004° lon 122.342570° elev 16 ft eye alt 1851 ft

APPENDIX A2 AERIAL PHOTOGRAPHS OF USES OF ADJOINING PROPERTIES

1936

1940

1942

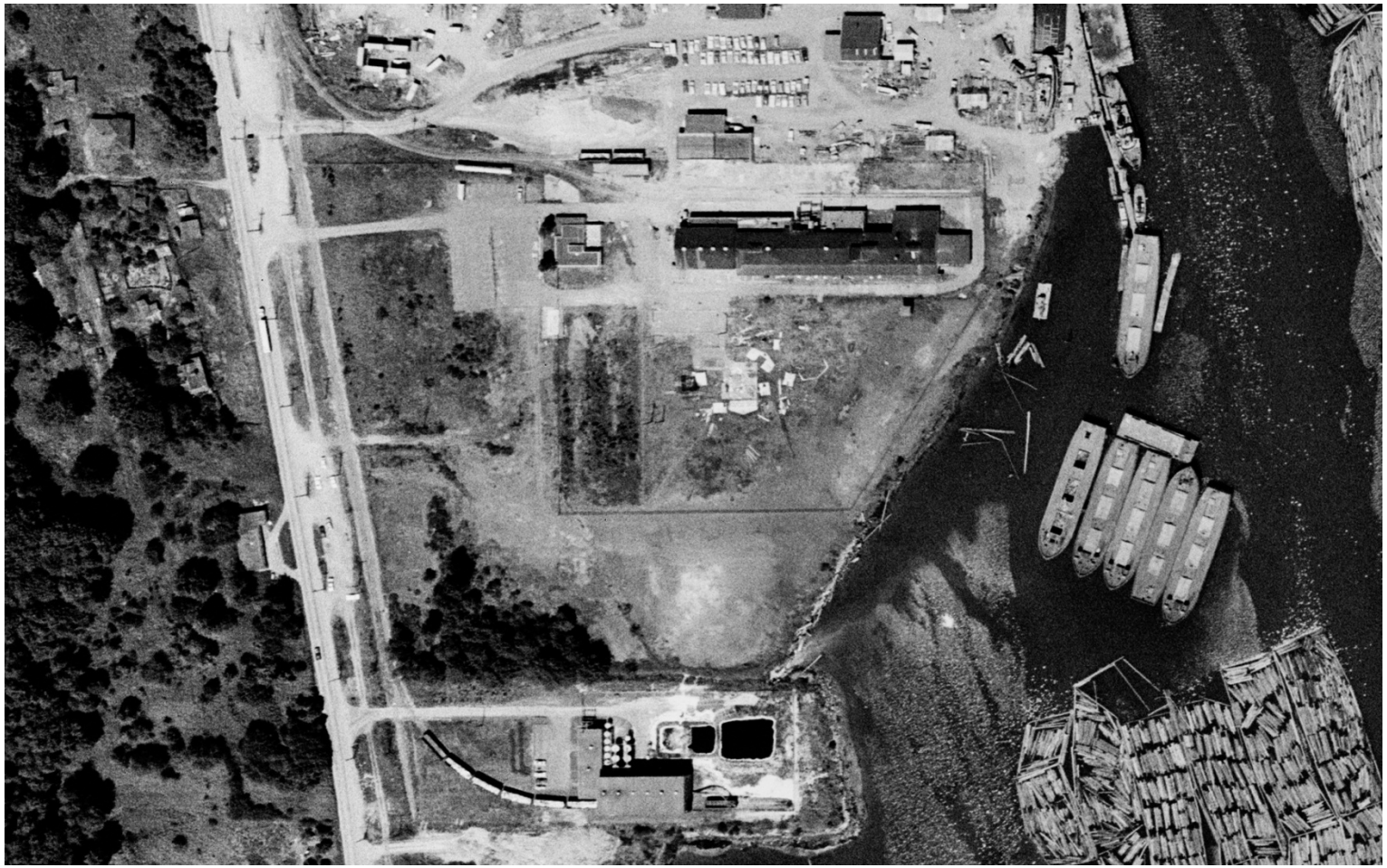


1961

1965a

1965b

1966



1967

1969

1970

1972

1974

1976

1980

1998

APPENDIX B MINERALIZED-CELL WOOD PRESERVING COMPANY HISTORICAL INFORMATION

File: F:\Projects\Reichhold-Glacier Local (main file on SEA server)\GIS\mxds\Draft_RI\Appx B-1 MineralizedCellWoodCompany_Photo_1937.mxd Drawn By: Austin Phelps Date: 5/22/2015

Mineralized Cell in 1937

FIGURE B-1
PHOTOGRAPH OF MINERALIZED CELL WOOD PRESERVING COMPANY-1937
5900 West Marginal Way Site
Seattle, Washington

Environmental Resources Management
1218 3rd Avenue, Suite 1412
Seattle, Washington 98101
425-214-0468

2. ADDITION

SECTION 19 SW TWP. 24 N. RANGE 4 EWM. BLOCK Tax TRACT OR LOT NO. 30 Legal on Lot

DESCRIPTION F3127-B

S 318.48' of N. 704.88' of Lot 6 ~~Ex W 16' Thereof~~,

~~S E¼ of SW¼ ly E of West Marginal Way~~

3. ADDRESS OF PROPERTY 5942 W. Marginal Way CONTRACT PURCHASER

4. FEE OWNER ~~U.S.A~~ ~~King Co~~ 6-28-27

5. ARCHITECT CONTRACTOR

6. ORIG. BUILDING COST $ OCCUPIED BY Tenant RENTAL PER MONTH $ 10.00 ESTIMATED RENTAL PER

7. CONDITION OF EXTERIOR INTERIOR FOUNDATION FLOOR PLAN

TILE WORK	PORCHES
ATTIC	EXTRA FEATURES
HEATING	BUILT-INS
BASEMENT	CONSTRUCTION
FOUNDATION	CEILING HEIGHT
ROOF	
EXTERIOR WALLS	

9. CORNER JOINTS DOWN SPOUTS SEWER CONNECTED

10. FIRST FLOOR JOIST SIZE X AND INCH CENTERS BRIDG

11. FIRST FLOOR JOIST SUPPORT COLUMN OR POST SIZE X

12. CLASS OR GRADE NO. SHAPE NO.

13. BUILDING FINISHED OR UNFINISHED

14. DEPRECIATION: CONDITION 50 % OBSLSE. % ECON. SUIT

DATE BUILT REMODELED

EFFECTIVE AGE 10 YEARS FUTURE LIFE 10 YEAR

VOID

LAND INFORMATION

1. SIZE X TOPOGRAPHY Level GRADE No G
2. STREET ROAD Not thru SURFACE ALLEY No
3. SIDEWALK None SEWERAGE No Sewer WELL ELECT.
4. LANDSCAPING None COND. P
5. TREND Static VALUE OF LAND
6. USE OF DISTRICT Industrial VIEW None
7. RESIDENTIAL Poor Old ZONED

REMARKS

MAIN BUI

DIMENSION	
	X
	X
	X
	X
PCH.	X
PCH.	X

IMPROVEME

MAIN BUILDING

OTHER BUILDINGS

TOTAL

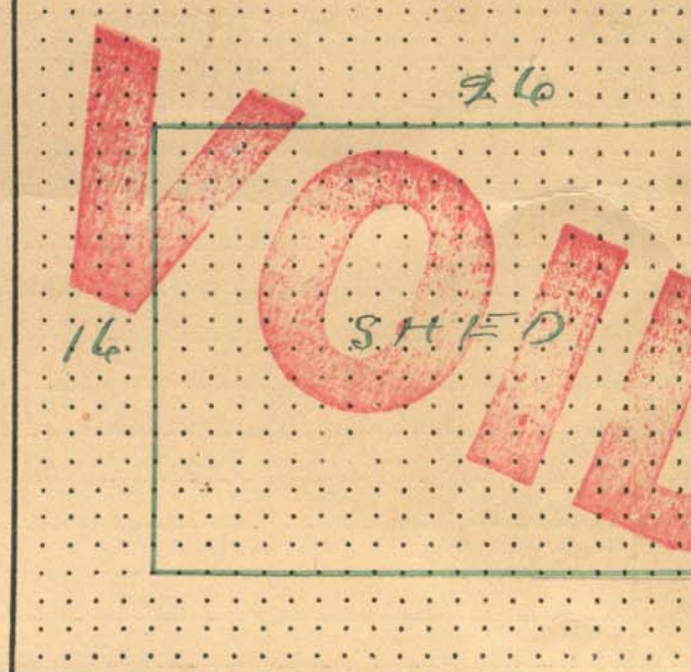
ASSESSED VALUE 50%

DATE 9-20-37-

S	CONSTRUCTION	FLOOR	ROOF	STY.	DIMENSION	AREA	VALUE
					X		$
	Single	Wood	T.P	1	16 x 26	416	Main Bldg.
					X		
					X		
					X		

FLOOR PLAN

SC 10'-7"



CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
Lumb. Co.	4-28-43	3306384			
	7. 27. 43	3325310			
of Seattle	6-1-64	4540-147			
Industries					

no Bldg Card

Oct. 25, 1938. M. M. CLAPSHAW 2,134,031

PROCESS FOR PRESERVING FELLED GREEN TIMBER CONTAINING ITS NATURAL SAP

Filed July 24, 1935 3 Sheets-Sheet 1

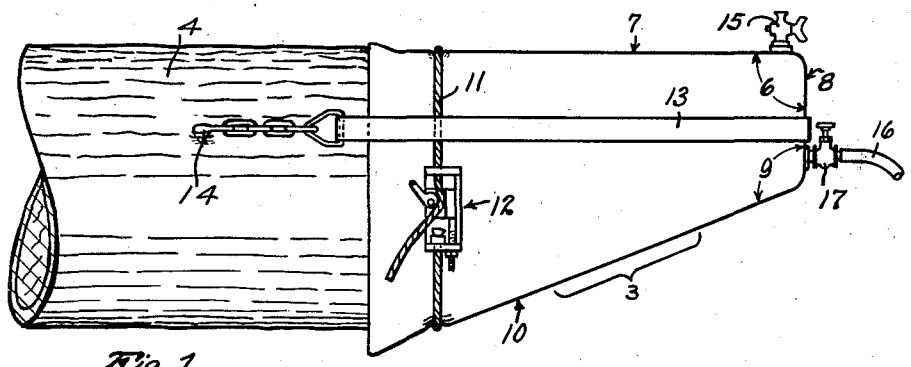


Fig. 1

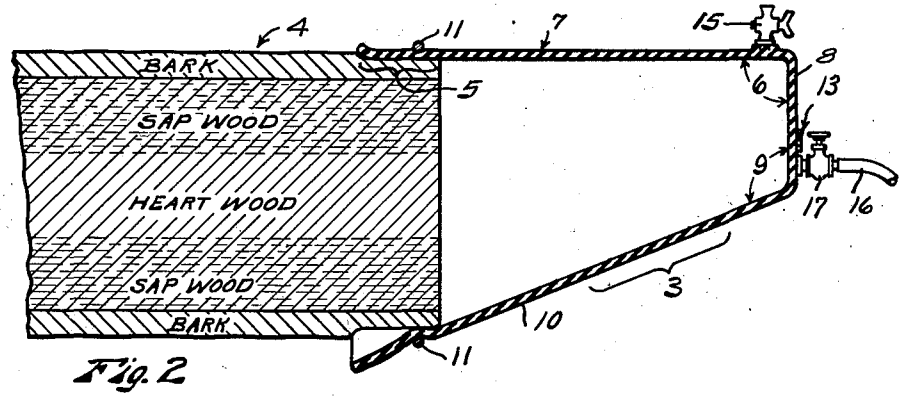


Fig. 2

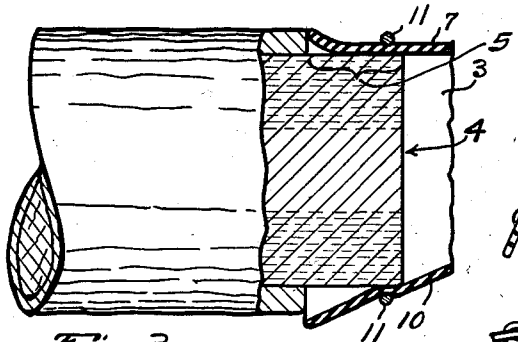


Fig. 3

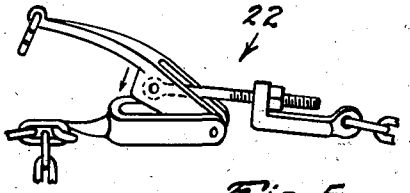


Fig. 5

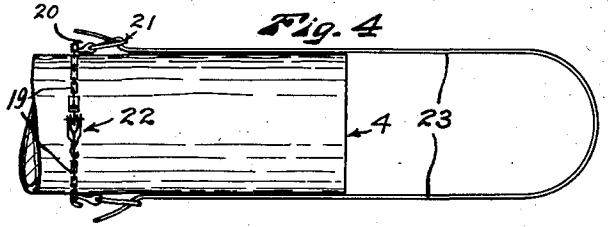


Fig. 4

INVENTOR.
Myron M. Clapshaw
BY
Gilbright Arnold
ATTORNEY

Oct. 25, 1938. M. M. CLAPSHAW 2,134,031

PROCESS FOR PRESERVING FELLED GREEN TIMBER CONTAINING ITS NATURAL SAP

Filed July 24, 1935 3 Sheets-Sheet 2

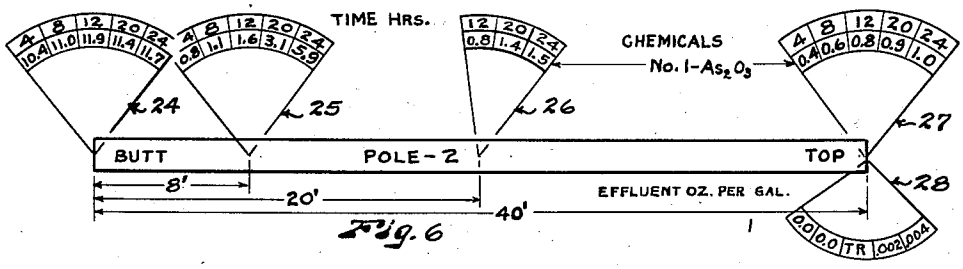


Fig. 6

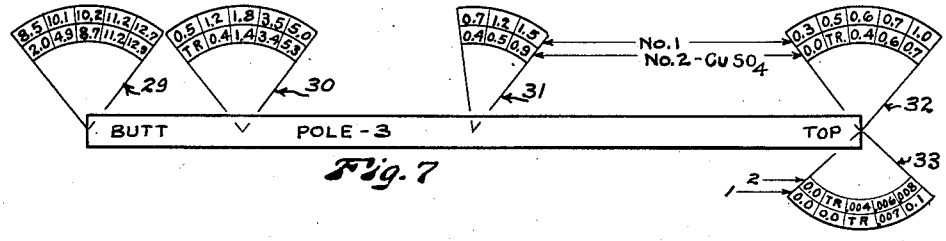


Fig. 7

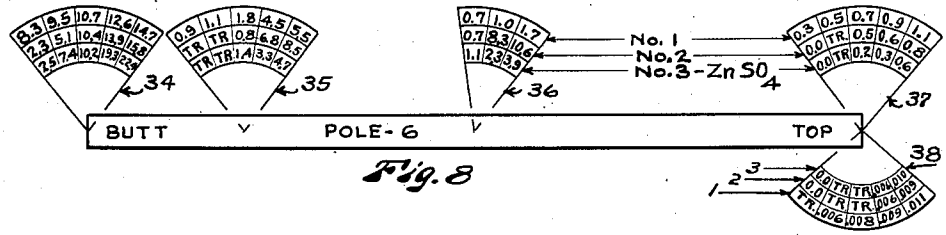


Fig. 8

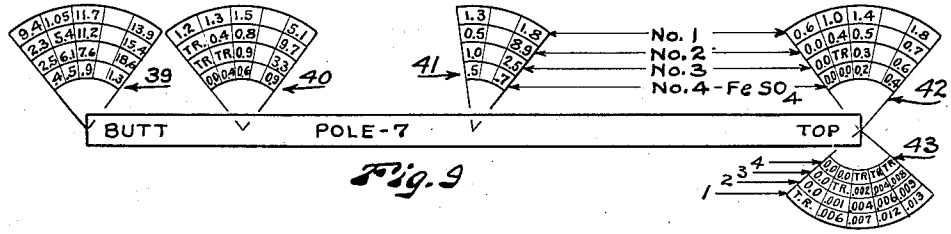


Fig. 9

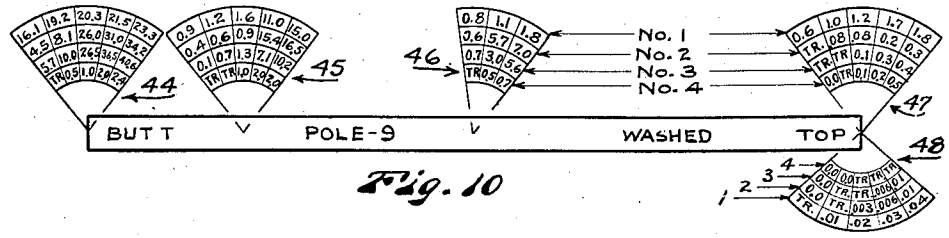


Fig. 10

INVENTOR.
Myron M. Clapshaw
BY
Wright Arnold
ATTORNEY

Oct. 25, 1938. M. M. CLAPSHAW 2,134,031

PROCESS FOR PRESERVING FELLED GREEN TIMBER CONTAINING ITS NATURAL SAP

Filed July 24, 1935 3 Sheets-Sheet 3

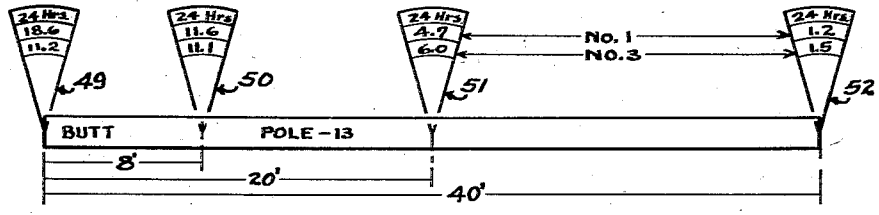


Fig. 11

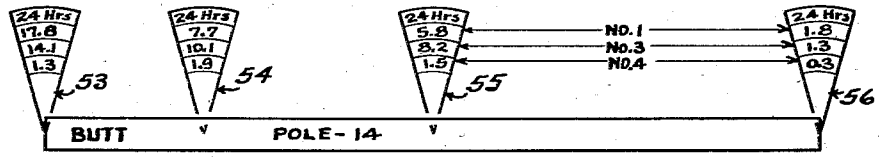


Fig. 12

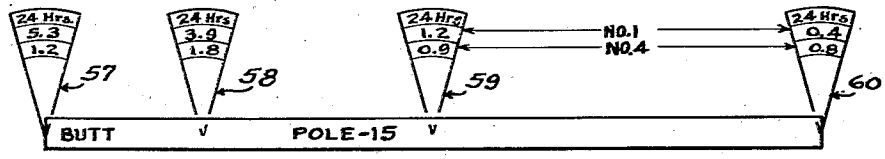


Fig. 13

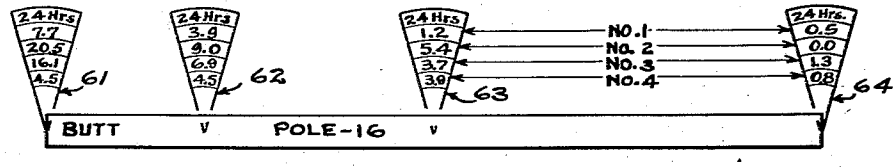


Fig. 14

INVENTOR.
Myron M. Clapshaw
BY
L. Wright Arnold
ATTORNEY

Patented Oct. 25, 1938 2,134,031

UNITED STATES PATENT OFFICE

2,134,031

PROCESS FOR PRESERVING FELLED GREEN TIMBER CONTAINING ITS NATURAL SAP

Myron M. Clapshaw, Portland, Oreg., assignor to Mineralized-Cell Wood Preserving Company, a corporation of Delaware

Application July 24, 1935, Serial No. 32,914

28 Claims. (Cl. 21—26)

My invention relates to the process of preserving felled green timber containing its natural sap. More particularly, my invention relates (*a*) to supplying the sap wood portion of felled green timber, containing its natural sap, with an aqueous solution of an oxide of arsenic and a non-alkali metallic salt and/or salts, and (*b*) to causing the deposition within the wood treated portion of an arsenic oxide by one or more non-alkali metallic salts in suitable quantities, and/or the forming of a reaction product between the sap wetted wood tissue and/or sap, on the one hand, and said chemicals on the other, and these in such relatively non-leaching form and in suitable quantities, and in such uniformity of distribution as to provide the required degree of toxicity throughout the wood treated portion as is required for the preservation of such wood against the action of wood destroying agents, both in the form of decay producing fungi and wood consuming animal agents. By "decay producing fungi" I refer to species of the vegetable kingdom and by "animal agents", I refer to insects, borers and other wood eating agents of the animal kingdom, as typified by termites, teredoes, limnoria, etc.

My process does not apply to standing live timber. The timber must be filled to provide an end for applying the chemicals, and the other end must be cut to permit the escape of the fluids. The cell structure of the timber has ducts longitudinally directed of the timber, and in the case of a live tree, the insertion of any chemicals through a hole radially directed does not provide for the impregnating of the tree uniformly cross-sectionally considered, since the cell ducts extend longitudinally of the timber. Furthermore, a standing live tree only has a substantial flowing circulation during certain months of the year. In other months the flow is so slow that the period of treatment would be of such length that it would be wholly impractical. Such process would allow too great time for interaction of the chemicals while in the mixing tanks and reservoir apparatus.

The tendency to decay in the case of telephone poles, piling, ties, and in fact all wood units which come into contact with the elements, such as soil, heat, water or air, or any combination thereof, and the consequent loss of such wood units when exposed to the action of termites, teredoes, limnoria, and other wood destroying insects or borers, are facts well known. The replacement of wood so destroyed, when built into structures, is extremely expensive, often greater than the original installation, a continuing annual burden, and is resulting in the early and wasteful exhaustion of that important natural resource, the forests. Many attempts have heretofore been made to extend the life of wood material and to overcome the above objections, most of which involve extensive plant equipment and expensive operations and costly transportation due to necessity of shipping timbers to treating plant and re-shipment after treatment. Also, other objections are that there is only a relatively thin layer of the sap wood treated, or there is an insufficient quantity of the toxic or preserving chemicals supplied and formed into non-leaching compounds to properly preserve the wood for a desirably long period of time; or in attempting to get the chemicals into the wood, the wood cells have been so drastically treated by heating and by pressure and vacuum, or by such strong chemicals as to greatly lessen the strength of the pole or wood unit.

For example, the method of treating wood ordinarily followed in commercial practice, is that of creosoting. In this process the wood units are generally heated in tanks or retorts. Often this is under vacuum at excessive temperatures. Such procedure strains and often ruptures the cell walls. Next, heated creosote is added to the retort so as to immerse the wood unit; then after a certain interval, pressure is added to drive the creosote into the cells. So severe is this treatment that engineers allow for a marked decrease in the strength of wood units so treated. Such treatment even then only supplies a relatively thin outer band of treated wood.

In contrast with such method, my process treats all of the sap wood portion of the pole by passing the chemicals longitudinally of the cells. The method of supplying the chemicals longitudinally of the sap wood cells, although long known in the literature, has heretofore been subject to such objections as to compel resorting to creosoting or immersion and vacuum treating processes, even though the same be highly objectionable for many reasons, and is injurious to the wood strength, and even though such process only provides what may be described as a "skin deep" penetration treatment on the pole, and even though said creosote chemical causes such severe burns upon workmen handling and climbing the creosoted poles as to necessitate hospitalization.

In attempting to employ the method of introducing the chemicals to all of the sap wood portion of the pole by causing such chemicals to penetrate longitudinally of the cells of microscopic size throughout the length of the pole, or for such length as may be desired, by introducing them over the restricted area represented by the annular ring of the cross sectional area of the sap wood at the butt, presents a severe problem.

By introducing in a felled green tree, at substantially normal temperatures, the chemical solution under artificial pressure at the end of a

pole over the relatively small area represented by the mere cross-sectional area of the sap wood to the whole cubical mass of the sap wood of the pole longitudinally of its fibers, is going contrary to the approved commercial practice of immersion wherein the largest area possible is sought, even by providing hundreds of perforations in the pole to facilitate the penetration of the solution. Thus, it is to be understood my process invention for wood treating involves two inseparable features: (*a*) the passing of the chemicals under artificial pressure lengthwise of the microscopic cells, and (*b*) the character of the chemical solution capable of being so passed, which solution also has some and/or all of the properties herein specified.

Briefly stated, the problem respecting the solution of chemicals which will have the desired properties and which will operate in so passing lengthwise of the cells is:

(1) The discovery of such a solution which is toxic to wood destroying animal agents and decay producing fungi.

(2) The discovery of chemicals having such character, and at the same time capable of remaining in solution at or near normal temperatures, and must not be so reactive towards each other that they prematurely precipitate each other before they can flow lengthwise of the cell structure of the pole or timber. Some solutions may be capable of impregnating the wood if the temperature is raised excessively high, but such solutions are inoperative for the purposes herein, because they injure the wood.

(3) The discovery of chemicals having the herein described characteristics, which are also capable of either reacting with the wood and/or its sap, and/or inter se, and be caused to form relatively non-leaching compounds, and these in such quantities as will preserve the wood against decay and/or wood destroying animal agents, so that such wood has a life a plurality of times longer than when untreated. The treated wood, when used in tide waters, must withstand the severe leaching out action due to the ebb and flow of the tide and of the wave action which constantly causes a washing effect upon the cellular structure of the pole. While the chemicals must be so fixed in the pole as to provide toxicity for teredoes, limnoria, etc., when the pole is disposed in water, yet applicant has had to discover a solution which could be fixed in the cells of telegraph poles and not be dangerous to cattle and livestock, which are prone to seek salty tasting compounds.

(4) The discovery of chemicals having the herein described properties, and which also are relatively inexpensive and available commercially in relatively large quantities.

(5) The discovery of such chemical solution having the herein described properties or characteristics, and at the same time is capable of being applied to and with uniform distribution throughout the sap wood portion of the felled green tree at any time of the year, i. e., whether the sap of the timber is flowing or not. Uniformity is most important, because obviously if a wood unit as a whole cannot be depended upon, it is useless. It might become destroyed at a point where the stresses are the greatest, and therefore would give way.

(6) The discovery of such chemicals having the herein described properties which may be passed through the sap wood portion within a reasonable time and without undue loss or waste of the chemicals, and yet will react with the wood, and/or its sap, and/or inter se, and not simply pass through the pole.

(7) The discovery of chemicals having the herein described properties and which at the same time are non-injurious to the wood, non-staining upon contact with other goods, and do not emit contaminating or objectionable odors, and are not offensive to workmen during treatment, or not injurious to the workmen who handle the treated product.

(8) The discovery of chemicals having the herein described properties and which may be prepared and injected into the wood by means of a simple and portable plant, operable at isolated points.

(9) The discovery of chemicals having the herein described properties, and which at the same time may be applied in the form of a solution principally formed of water. The importance of the solution being primarily of an aqueous character is that it provides for a non-injurious to wood medium and the desirable economical preparation of the solution as well as being a medium available at remote points.

(10) The discovery of an effective impregnating treatment involved the overcoming of the checking of the wood upon drying. It will be remembered that the heart of the wood comprises compact dried cell structure. Surrounding this is the sap annular ring portion. Without treatment it is obvious that as the sap annular ring portion dries out it will shrink, but since the heart section is already composed of dried out compact cells, it is not readily compressible and does not yield, and therefore, the contracting annular sap ring portion is ruptured, and radially disposed cracks develop. Applicant's invention results in supplying such a combination of chemicals with the cellular structure and contents of the sap ring portion, that such shrinking is so reduced and/or the wood so strengthened that objectionable checking is prevented.

It should be noted that marine borers, as teredoes and/or bankia develop a long thin walled body, often longer than two feet and more than one-half inch in diameter, and it is understood that it draws sea water lengthwise through its body, using this means to move within its body the wood cuttings. These cuttings are made by the opposite or boring end of its body. The water after being drawn in is expelled through the end of the body by way of which the water entered. At the time the animal enters the wood it may be very small, so that the opening is of extremely small proportions, and once it begins to grow, it works entirely on the inside of the pole and gives practically no evidence of its presence. This often accounts for the sudden unexpected collapse of wharf structures. Obviously, the natural operation of the teredo, in drawing in a stream of water and expelling the same, has a diluting action upon the toxic qualities of any chemicals with which the wood may be impregnated. This emphasizes the need of a sufficient quantity impregnation of the toxic chemicals to allow for dilution, and it also emphasizes the need of a strongly toxic chemical, as well as emphasizes the difficulties in general.

A primary purpose of my invention is to overcome the objections to present day practice in the preserving of wood and to provide a process which will meet all of the exacting requirements as

above set forth, and as may otherwise be inherent in the problem.

A further primary object of my invention is to provide a chemical solution of toxic and fixing agents of a wood-non-injuring character, which agents will so react with the wood having its sap and/or react with the sap, and/or which will react inter se within the sap wetted cells of the wood and yet having a delayed time reaction period such that the solution may be applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, whereby the timber is preserved against the action of wood destroying agents and its life prolonged a plurality of times longer than when the timber is untreated.

A further primary object of my invention is to provide such a chemical solution as is set forth above in which at least some of the agents function not only as toxic agents, but also to increase the quantity of the arsenic, and other toxic compounds which may be supplied to the pole, and also functions as fixing agents, i. e., function to form relatively nonleaching compounds when applied to the sap wood thereby providing an accumulative toxic and fixing action.

Further, a primary purpose of my invention is to provide a process for treating felled green timber which is adapted for treating such timber, if desired, at or near the site where the same is cut, and then shipped direct to the point of use, or for treating such timber, if desired, at a point to which said felled green timber may be readily and economically transported, without the same drying out prior to being treated.

Also, in providing the chemical solution embodying my invention, a primary object is to provide a chemical solution which satisfies the requisite that it be of a character which permits it to enter the sap wood part of a felled green timber at one end, while the liquids are free to escape from the opposite end and pass longitudinally of the cell structure in a reasonable length of time. Such solution must be of the character herein described, and reactive with and/or within the wood structure to form a compound of such degree of insolubility that it is substantially non-leachable by the natural weathering elements (wind, rain, sunshine, heat and cold) thereafter, even with the lapse of years, and at the same time such reaction compound must have such degree of solubility that it will have toxic effects within the organisms of wood enemies. A nice balance must be provided between the amount of insoluble and soluble portions of the solution, and while this balance is being provided, the solution must be of a character that it will not be prematurely precipitated, either in the storage or mixing tanks, or in the pole itself before the treating operation may be extended lengthwise to the point desired. But while these various factors must be provided, the solution must be of a character to permit the deposition within and/or the chemical union with the wood and/or sap of such quantities of the chemicals as have been found necessary to insure the preservation of the wood against decay and the attack of the wood enemies. Furthermore, these quantities are specified by engineers and include an amount to satisfy the safety factor to provide for emergencies. This "quantity" factor is critical because obviously, irrespective of how well the solution may meet the other requirements, if the solution cannot provide a sufficient quantity of the reaction product and this of the required character, then it would not be of commercial value, because only when certain quantities are present are teredoes, termites, decay producing fungi and other destructive forces prevented from destroying the pole.

Ordinary State and Government specifications to resist teredoes and other boring enemies call for about twelve pounds of creosote per cubic foot of the wood treated for ordinary conditions. This amount will be varied, depending upon the degree to which the body of water, in which the piling is to be driven, is infested with such teredoes and other boring enemies. State engineers have approved the invention herein set forth and in accordance with rigid requirements involved in wood preservation have specified that, at the top portion of the pole desired to be treated, there should be present, of the chemicals involved in the present invention, four ounces of the arsenic chemical, six ounces of copper chemical, and six ounces of the zinc chemical. Thus, unless a sufficient quantity of chemicals can be retained by the lengthwise process of impregnation, the process invention of applicant (which, let it be noted, has been defined above, to include both the lengthwise impregnation and the character of the chemical solution) is necessarily condemned.

For purposes of illustration and definiteness of description, I will describe my invention as applied to the treatment of piling and telegraph poles, (where term "pole" occurs hereinafter, the term "piling" is to be deemed also included, unless the context shows the contrary) but it is understood that my invention is not to be restricted to any such specific use, but is equally applicable to ties, fence posts, and other wood articles involving similar problems of treatment and conditions of use, or lumber or timbers where its use particularly requires non-decaying properties, or it is desirable to prohibit excessive season checking and other troubles which arise in seasoning, or it is necessary to protect against wood enemies, as termites, teredoes or limnoria. Of course, the treated poles may be cut into lumber or veneer sheets. Where illustrations are given after a general term, such citing of examples is not to be taken as limiting the scope of the general term, unless the context clearly indicates the contrary.

The above mentioned general objects of my invention, together with others inherent in the same, are attained by the mechanism and processes illustrated in the following drawings, the same being preferred exemplary forms of embodiment of my invention, throughout which drawings like reference numerals indicate like parts:

Figure 1 is a view in side elevation of the end portion of a pole and an apparatus attached thereto for impregnating the said pole with the solution provided by my invention;

Fig. 2 is a view in longitudinal section of Figure 1;

Fig. 3 is a view in longitudinal section of a pole with the bark removed to form a bearing for the cap;

Fig. 4 is a view in perspective of a detail of the invention;

Fig. 5 is a view in perspective of a further detail, i. e., the chain cinching device; and

Figs. 6 to 14 are charts setting forth test data.

My discovery resides in providing a chemical solution of an oxide of arsenic and a non-alkali metallic salt or salts which meets the exacting requirements herein set forth, and which may be applied to the pole by the process of forcing it lengthwise of the cell structure of the sap wood

portion while one end of the pole is free for the escape of the liquids.

A practical formula which I have discovered to accomplish the objects of my invention, is as follows:

Arsenic trioxide (white arsenic) or any oxide of arsenic that is soluble in water	pounds	1
Copper sulphate	do	1½
Zinc sulphate	do	1½
Iron sulphate	ounces	4
Water (10 gals. water, i. e., eighty-three lbs.)	gallons	10

The above formula is my preferred formula to accomplish most fully the objects of my invention, but a solution of an oxide of arsenic and a soluble non-alkali metallic salt of copper; or a solution of said oxide of arsenic and a soluble non-alkali metallic salt of zinc; or a solution of an oxide of arsenic and a soluble non-alkali metallic salt of iron; or a solution of oxide of arsenic and two or more of said non-alkali metallic salts as well as an oxide of arsenic and an equivalent of said non-alkali metallic salts is included in my invention. Arsenic is particularly toxic against wood destroying animals, but oxide of arsenic is supplied only with difficulty in lengthwise treatment in sufficient quantities to provide a sufficient supply and difficult to fix in the wood. Fixing agents when used with the arsenic tend to prematurely precipitate the chemicals, and hence deplete the solution. I have discovered how to get the required quantity of the arsenic into the wood and to fix it there in sufficient quantity and in relatively non-leaching form to preserve the wood, as will appear in the test data hereinafter set forth.

An oxide of arsenic is essential to provide the degree of toxicity or germicidal properties to more fully realize the benefits of my invention against biological enemies typified by teredoes, termites and limnoria, and also provides toxicity against decay producing fungi.

The copper sulphate particularly supplies strong preserving properties against decay producing fungi, as well as toxicity against biological wood enemies typified by teredoes, termites and limnoria. Zinc sulphate functions much as the copper sulphate in provided especially germicidal properties against decay producing fungi, and also supplies toxicity against biological wood enemies typified by teredoes, termites and limnoria.

The problem however, is not only to provide toxic agents, but toxic agents which are non-injurious to the wood and will react properly and form non-leaching compounds with the wood, and/or its sap, and/or inter se (i. e., the chemicals of the solution) and this in such quantities as to satisfy specified exacting requirements to insure preservation of the wood even after lapse of years. Oxides of arsenic are very strongly toxic and yet I have found, if used alone will not form a sufficiently non-leachable compound with the wood and/or its sap, i. e., it will relatively readily leach out of the wood with water, leaving the wood thereafter subject to decay or destruction by wood destroying agents.

Likewise, if copper sulphate alone is used to form the treating solution, it is relatively readily leachable by water, and the same is true for zinc sulphate. The addition of the copper sulphate to a solution of an oxide of arsenic in a test tube in the concentrations employed is well known to chemists to be only mildly reactive in producing a precipitate (i. e., insoluble compound). But contrary to this usual result within a test tube, I have discerned that the aqueous solution of an oxide of arsenic and copper sulphate in the concentration employed herein will form a strongly non-leachable reaction product with the sap wetted wood and/or sap and/or inter se. Thus, the copper sulphate may be regarded as acting as a fixing agent and also adds its toxic action to that of the arsenic. The zinc sulphate and oxide of arsenic solution in the test tube in the concentration employed by applicant, is more reactive than the copper in producing or precipitating an insoluble compound, yet it is relatively only mildly reactive in producing a precipitate (i. e., insoluble compound). But contrary to this usual result within a test tube, the aqueous solution of an oxide of arsenic and zinc sulphate in the concentration employed by the applicant will form a strongly nonleachable reactive product with the sap wetted wood and/or sap, and/or inter se. Hence, the zinc sulphate also adds its toxic action as well as functioning as a fixing agent.

Thus, the zinc adds to the toxicity and is a better precipitating agent for the arsenic trioxide than is the copper. While zinc sulphate is active in precipitating the arsenic, it fails to perform this function as satisfactorily as when the iron sulphate is also present. Without the iron sulphate, the zinc sulphate tends to escape from the top portion of the pole without causing the deposition of the desired quantity of arsenic. When it is attempted to provide the arsenic in excess of the ordinary requirement, experience has taught that as the treatment is continued, all of the zinc sulphate escapes from the top portion of the pole as fast as it is applied at the butt end.

I have discovered that the combination of all four chemicals helps to delay the reaction to get well timed good precipitation, i. e., not premature precipitation within the organic environment furnished by the cellular structure of the wood. Thus I provide for the required distribution of toxicity throughout the treated sap wood portion of the pole.

In conjunction with the arsenic any one or more of the non-alkali metallic salts named may be used without the others.

Furthermore, without the arsenic for use in fence posts or telegraph poles I have found that a solution of copper sulphate and zinc sulphate, provided to the extent of eight ounces per cubic foot of wood treated, will preserve the pole against decay producing fungi a plurality of years longer than one untreated.

Any arsenic oxide which is soluble in water may be used in place of the arsenic trioxide. The trioxide is a relatively inexpensive form of an oxide of arsenic, and hence is particularly adapted for the purpose herein where relatively large quantities are employed. Of course other soluble oxides of arsenic would be equivalents.

The iron sulphate apparently functions primarily as a fixing agent for the arsenic. The less leaching out of the copper sulphate and zinc sulphate may be in part explained as due to the catalytic action of the iron sulphate. The iron sulphate could be replaced by water soluble salts of aluminum, manganese or the like. However, iron sulphate is effective and very inexpensive and so fulfills well the requirements of applicant. Theoretically, there is sufficient copper and zinc sulphate to fix the arsenic oxide, but experience

has taught that it is desirable for the best results also to use iron sulphate, and the test data relative leaching confirms this. As one advantage, it (iron sulphate) provides for varying the time of reaction in developing the non-leaching precipitation of part of the arsenic in the butt end half portion of the pole, and thereby provides for permitting the delayed reaction of other parts of the solution, so that the top half portion of the pole is suitably treated. It will be understood that the terms "butt end half portion" and "top half portion" are used broadly to refer to the indicated sections of the pole. In other words, the iron may reach two-thirds or more of the length of the pole from the butt end. The order of reaction with the arsenic would seem to be iron first, zinc second, and copper third.

Thus, the arsenic apparently is precipitated in a progressive manner throughout the length of the pole. This at least seems to be the explanation as suggested by experiments and test made of poles at different lengths. It will be understood that other water soluble salts of the non-alkali metallic elements, such as chlorides, acetates, etc., may be employed in place of the sulphates. Apparently the sulphates in the concentrations present provide a small quantity of sulphuric acid which strengthens the wood, and so are advantageous over the other forms of salts in this respect as well as being less expensive. This strengthening of the wood may be explained by the action upon the cellulose by said acid, developed by reaction within the wood in the small quantities present in the dilute condition, the same being somewhat analogous to that occurring in the manufacture of parchment paper and like processes.

The temperature of the solution may be either normal or heated to about 100° F.–130° F. In dissolving the arsenic, the water is heated to the boiling point because the oxides of arsenic are then much more soluble in such water. After dissolving the arsenic, the other chemicals are added, preferably while stirring or agitated. This solution cools to substantially atmospheric temperatures above freezing when applied to the pole, or may be about 100° F. to 130° F. Heating the solution does facilitate the passage of the solution through the pole, especially in such species of wood as have pitch or resin. This is thought to result from the less resistance of the resin over the exposed area of the sap wood exposed. Naturally, this feature is not important when the species of wood is not of the resinous character. In connection with wood of the species i. e., fir, cedars, pines and hemlock, generally employed for the uses hereinabove stated, it is preferred that the temperature should not be above about 120° F. Temperatures above this may have deleterious effects on the wood, depending upon the species of wood and special growing conditions, and render the process more complicated, whereas it is important that the process be of the simplest character possible, since it is often applied at points at or near the place of the felling of the timber and facilities may be limited. Ordinarily the temperature is substantially atmospheric temperature above freezing when applied to the pole or piling. Applicant particularly wishes to avoid any heating of the solution which will in anywise lessen the strength of the wood fiber, and it is one of the particular advantages of the invention that the solution may be passed through the pole at atmospheric temperatures above freezing.

The proportions above set forth are such as to provide a reaction time period very effective in supplying the chemicals in desired quantities, and in the desired condition and combination for different lengths of pole. The proportions above set forth may be varied, but with this condition as the minimum, viz., that the various ingredients must remain in solution in the water for a period of time necessary to perform the operation of treating the felled green timber, i. e., the chemicals must not prematurely precipitate out in the mixing tanks, and cap apparatus or become prematurely, within the wood cells, self-blocking to the passage of other portions of the solution. In the proportions above set forth, the solution at about 60° F. is practically saturated with arsenic trioxide. To add more water only serves to dilute the solution and thereby prolong the period of treatment. Accordingly, the amount of water employed should be kept within the fundamentally necessary lower limit of providing enough water to keep the various ingredients in solution, and should not be in such excess as to unduly prolong the period of treatment, since in such an instance there would be danger of washing the chemicals before they have time to fully develop into or form relatively nonleachable compounds within the pole.

To greatly increase the iron ingredient operates to reduce the period of time when the mixture will remain in suitable solution, so that undue precipitation occurs in the mixing tanks and treating cap apparatus, by means of which cap and pressures therein, the solution is caused to pass longitudinally through the cell structure of the sap wood portion. Besides precipitation in said receptacles there would also be too extensive premature precipitation within the butt end portion of the sap wood.

Arsenic has a relatively high efficient toxicity, to insects and wood destroying agents as teredoes, limnoria, etc., but has less effectiveness as a fungus growing preventing agent. On the other hand, the non-alkali metallic salts, such as of copper and zinc, are very efficient as anti-fungus preventives or decaying preventives, but have less effectiveness against insects and wood destroying agents as teredoes, limnoria, etc. But applicant has discovered that these can be combined and successfully passed longitudinally through the pole, and this without undue premature precipitation. Some combinations of chemicals operate to prematurally precipitate the arsenic, so that before the solution has an opportunity of passing through the cellular structure of the pole to a sufficient extent, and before the treatment of the pole is anywhere near completed, there is such a diluting of the solution by the precipitating out of the arsenic that it cannot be provided and disposed within the cellular structure of the poles in anywhere near the necessary quantity to provide effective uniform treatment. Moreover, applicant has discovered, with the use of non-alkali salt, such as salts of iron, which have slight rotting or decay preventing property, that he can employ the iron without too great a precipitation upon the arsenic, even in conjunction with the copper and other salts, and at the same time provide a precipitation within the actual pores of the wood which greatly increases the non-leachability feature.

Accordingly, applicant has developed new functional relationships between the members of the chemical solutions which he sets forth, and the wood cellular structure in which said chemicals

are to be deposited or united. Also this new functional relationship obtains between the solution as a whole and the method for carrying the same into the pole longitudinally of the cells without premature precipitation, which would provide self blocking for the further passing of the chemical solution into the pole to reach portions at a distance from the end where the solution is initially applied.

In causing the reaction of the solution with the wood and/or sap of the wood and inter se within the wood of the felled green timber, I have found the apparatus shown in the drawings to be efficient and practical. This apparatus constitutes the subject matter of another copending application by me, Serial No. 720,111. Briefly, it comprises a cap 3 secured to the end of a pole 4. The butt end of the pole is trimmed to form a more or less smooth or uniform bearing. A portion of the bark, or all of the bark over the section 5 may be removed. There is no necessity for beveling off the annular edge of the end of the pole, and particularly do I not want to cut the sap wood. The form of the cap of my invention is such as to provide for fitting upon poles of varying diameters without such cutting, and at the same time of a form to prevent air cutting off access of the liquid to the sap wood disposed in the upper part of the butt end of the pole. The cap is of a form having practically a 90° angle 6 between the side 7 and the end wall 8, while the angle 9, i. e., the angle between the end wall 8 and the side 10, is preferably obtuse. In longitudinal section, the cap has substantially the form of a truncated cone, having the top side perpendicular to the plane of the ends.

The cap may be secured in position on the end of the pole by means of a wire cable or other similar means 11, the ends of which are secured by a cable tightening means 12. Also, a further securing means may be employed in the form of a U shaped member 13, having spurs or dogs 14 which may be driven into the wood to insure the fast securing of the cap to the end portion of the pole when the solution in the cap is subjected to pressure. A preferable form of this element of the apparatus is shown in Fig. 4, wherein a chain 19, provided with hooks 20 and buckles 21 disposed at about 180° apart when the chain is in place on the pole, may be secured about the pole. The end portions of strap 23, after the middle portion is passed about cap 3, may be secured to buckles 21. This avoids the use of said spurs or dogs 14 which rupture the bark and sap wood so that a leaking to some extent of the chemicals results. Chain 19 may also be provided with a cinching means 22 to make fast the said chain upon the log. An air escape valve 15 is provided, and also an inlet conduit 16 which has valve 17. The conduit 16 connects with any suitable confined receptacle in which the treating solution is contained, and to which solution fluid pressure may be applied. Upon opening the valve 17 the solution runs into the cap 3, and any confined air is then permitted to escape through valve 15, so that the cap 3 is completely filled with the treating solution. This is very important, for if there is any air allowed to remain, and which air finds lodgment against the sap wood end portion of the pole, that portion of the pole will not receive the treating solution as desired. The cap is of the form shown and described, in order to render it readily adjustable to poles of different diameters, and the upper wall is made substantially parallel to the axis of the pole in order to facilitate the complete removal of the air. When the cap 3 is completely filled with the treating solution, the valve 15 is closed. In Fig. 3 the pole has the bark removed to form a bearing 18 for the cap 3.

The fluid pressure exerted upon the treating solution is varied over a considerable range. The magnitude of the pressure obviously depends upon the density of the particular wood being treated, and the length of said pole to be treated, and this variation is not always in proportion to the length of the pole. For a forty foot pole of fir wood—full length treatment, as grown in the Pacific Northwest, four to seven pounds will be found sufficient, and ordinarily five pounds. For treating a seventy-five foot pole of such northwest fir—full length treatment, seven to twelve pounds pressure is found desirable, and ordinarily ten pounds is sufficient. For a twenty-five foot pole of such northwest fir—full length treatment, three to five pounds for such wood is found sufficient. For an eight foot butt treatment on a forty foot pole of such northwest fir, it is often preferable to use about ten pounds pressure. This shortens the time of treatment, and even though the period of treatment is shortened, it operates as a practical matter to still supply considerable of the treating solution to the upper portion of the pole, notwithstanding it is designed to only supply a butt treatment. Such treatment beyond the specified butt treatment results in little additional cost. It will be understood that different species of wood, and even different specimens of the same species will require varying pressures, depending in general upon the density of the wood, which in turn depends greatly upon variation in the wood growth. Whether the applied pressure is well adjusted, is determined by noting whether or not the rate of flow of the solution is sufficient, and this is herein elsewhere specified. The object is to not have such rate of flow as to result in washing unduly the natural soluble elements from the wood structure, as these must be retained to provide suitable interaction between the chemicals and the wood or sap or chemical inter se. The variation in wood growth is hereinafter further considered.

In commencing the treatment, the passing of the liquid is facilitated by having the cut of the log fresh at the treated end, and it is also advisable to have a fresh cut at the top or other end of the pole. If the cut is allowed to stand even as much as an hour before treating, the passing of the solution is retarded. Accordingly, it is advantageous to saw off a small section of the end of the log or pole, so that a fresh cut is provided immediately preceding the starting of the treating process. This facilitates uniformity of treatment and insures removing not only any dried condition on the end portions, but also provides for removing any exuding pitch or resin, or any foreign matter, such as oil or dirt which might be present and which would prevent the ready passing of the solution. It is also important to cut off sections periodically at the butt of the pole during treatment. This is also true for the top. In the case of fir, hemlock, cedar, pine and the like, it is particularly true and requires more frequent cutting of the sections than other species. The frequency varies, depending upon how long the pole has been cut and whether it has become partially dried out, and whether it has a particular large amount of pitch and other solidifying elements. In commencing the operation sometimes it is advisable

to cut off the sections of a given pole as often as four times in twenty-four hours, and on the next pole it would only be necessary to cut off fresh sections once in said period. Other poles do not have to have sections recut until the lapse of several days, and even to the end of the full treating period. Whether or not sections must be cut is determined by whether or not the solution is flowing properly, and the rate of proper flowing of the solution is herein elsewhere specified. The object is not to have such rate of flow as to result in washing unduly the natural soluble elements from the wood structure, as these must be retained to provide suitable interaction between the chemicals and the wood or sap or chemicals inter se.

The sap wood treated with the solution herein set forth has a changed color, turning to greenish-blue color, so that the timber thus treated is readily recognized and distinguishable from one that is untreated. In time, this color fades.

The period of treatment will necessarily vary over a considerable range, depending upon length of pole and species of wood, and even varying greatly with different specimens of the same species. When it is remembered that the process involved relates to the passing of a solution longitudinally through the cell structure of microscopic proportions of the wood, even for lengths of poles as long as seventy-five feet, or more, it is not surprising that the period of treatment will necessarily vary.

In some poles having open cellular structure, which have been grown on ground well supplied with moisture, the solution may pass even through a seventy-five foot pole in as short a time as one hour, but, of course, this would not mean that the pole was sufficiently treated, even in this very favorable type of a pole. The passing of the solution would have to continue for a pole of that length, for possibly eight to ten days, depending upon the quantity of toxic chemicals desired at a specified point. On the other hand, a pole that has grown on ground that is sloping and in a crowded condition, as respects other trees, where the drainage is such as to take away very promptly what moisture may fall, and the crowded condition requires a dividing up of what little moisture does fall, so that a pole growing under such conditions would have its sap cellular structure quite compact as the tree would be partially starved, as it were. Such a pole might require even double the time just indicated. All this emphasizes the fact that in order to provide a chemical solution which may be supplied to the cells in sufficient quantities, it must be one that will not prematurely precipitate not only before entering the pole, but after it enters the pole and is in contact with the live cell walls of the pole.

For a seventy-five foot pole to have four ounces of arsenic per cubic foot of sap wood treated in the top in a full length treated pole requires ordinarily a treating period of eight to ten days. For a forty foot pole having a top diameter of about seven inches, and a butt diameter of about twelve inches, the period of treatment for four ounces of arsenic per cubic foot of sap wood in the top portion in a full length treated pole requires a treating period of three to five days, ordinarily four days. For an eight foot butt treatment of a forty foot fir pole, having a fifteen inch butt diameter and a nine inch top diameter, twelve to eighteen hours at a pressure of five to ten pounds is ordinarily sufficient to supply at the top of the eight foot butt treatment four ounces of the arsenic chemical, six ounces of the copper chemical, and six ounces of the zinc chemical.

Throughout the specification, it must be remembered that considerable variations in all figures are involved and are greatly influenced by the character of the particular wood being treated, diameter and length of the pole, time of the year the pole is cut and the species of the wood, and depending upon the density of the fiber and texture and character of the grain of the wood generally. Obviously, the more open the structure, the more readily will the chemicals pass. Nevertheless, treatment of the wood according to my invention is not restricted to the time of the year when the sap may be flowing but is applicable throughout the year.

For practical operation, a flow as determined by taking the average of seventy-five poles of about eighteen gallons per twenty-four hours in an ordinary pole 40′ by 15″ butt, 9″ top is suitable. For full length treatment it is found that it requires about seventy-two gallons, or in time about ninety-six hours. This treatment has been found to assure the following quantity of chemicals on the basis of the chemicals of the preferred formula—4 ozs. of oxide of arsenic, 6 ozs. of copper sulphate, and 6 ozs. of zinc sulphate per cubic foot of sap wood treated. The above represents engineer's specifications of a State highway department.

In the above number of poles the extreme variation was about two days, i. e., a few took a day more, and a few took a day less than said period of 96 hours.

A fair working rule which I have found to be practical, and is one which I follow, is that for each cubic foot of sap wood being treated the flow should be about 1 to 1½ gallons per twenty four hours. It will be understood that if the flow is not at the above rate, and this occurs in a large number of poles on the ramp, then the pressure is increased to bring about such rate of flow, but if only a small percentage of the poles failed to have the proper rate of flow, as above indicated, then the treatment must be prolonged as respects these particular poles. Manifestly, the length of treatment increases the cost, and obviously this must be kept within proper limits, and ordinarily increasing the pressure, or making fresh sectional cuts will correct the improper flowing. A fundamental requisite is that sufficient solution must be introduced to the pole to provide the necessary amount of chemicals required per cubic foot of sap wood treated. In this connection, the rate of flow must not be so great as to bring about washing of the sap and natural soluble or semi-soluble elements of the sap wood, which elements are essential to provide the maximum beneficial results against leaching. The above working rule for practical purposes is not given on the basis of extreme weather conditions, i. e., neither freezing nor extremely hot. Freezing weather stops the flow of the solution, and extremely hot weather has a tendency to dry out the ends of the poles and thereby slow down the passing of the fluid. In the case of a peeled pole, on a very warm day with considerable wind, i. e., with a dry wind and a hot sun, the flow is retarded over the entire surface of the pole to a considerable depth of the sap wood. It will be remembered that the solution is of a greenish-blue color before being applied to the pole, and in the case of

a full length treatment when the sap wood portion at the top end of the pole becomes of a similar color, it is very evident that the pole has received substantially the average treatment desired.

In the case of butt treatments or partial length treatments, discoloration of the surface of the peeled pole will indicate somewhat as to the distance of the pole to which the treatment has reached. In the case of unpeeled poles, borings may be taken or a small amount of bark removed. Also the effluent should be checked, and if this shows discolorations approximating the degree of color of the entering fluid, this is indication that the sap wood treatment is nearing completion of ordinary specified amounts.

The above provide working tests, but of course actual chemical analysis is necessary to make positive determination whether or not the treatment is providing the required amount of chemicals at any given point as per specification.

If the chemical analysis shows that a treated pole lacks the quantity of chemicals per cubic foot of sap wood required by a given engineer's specifications, and the treatment has been discontinued for a period of several days, (the number of days depending upon a number of factors, such as weather conditions,) then it will be understood that such pole cannot be resubjected to the treatment process, because the chemicals will have set within the cell structure, and thereafter the proper flow of the solution is impossible.

If the period of treatment above indicated is extended, while of course it cannot be extended indefinitely, nevertheless, the following table shows results of chemical analysis of treated piles, and the numbers of the piles refer to the piles of a particular ramp:

	Chemical ozs. per cu. ft. dry sap wood		
	Arsenic	Copper sulphate	Zinc sulphate
Pile #4 top	6.0	6.8	14.6
Pile #5 top	5.9	4.8	10.7
Pile #7 top	7.9	8.8	15.5
Pile #8 top	5.4	7.2	13.9
Pile #23 top	7.5	6.8	11.4

Job: War Department Dock, Empire, Oregon. The piles above referred to were fir piles 45' long, with minimum 14" butts and minimum 9" tops, and were given full length treatment. The period of treatment averaged about five days with an average pressure of from 5 to 7 pounds. The above data shows an ample quantity of chemicals where the particular specification was four ounces of arsenic chemical, six ounces each of copper and zinc chemicals.

A second series of tests on piles of another ramp made at a different time of the year on timber from a different location showed the following:

	Arsenic, ozs. per cu. ft. (dry basis)
Pile #1 top	18.7
Pile #2 top	18.4
Pile #3 top	18.8
Pile #4 top	18.8
Pile #5 top	16.7

Approximately the same quantity of the copper sulphate and zinc sulphate were present, i. e., the two together equalled about the same as the arsenic chemical alone. These tests were on fir piles 40' long, minimum 14" butts and minimum 9" tops, and were given full length treatment. The time period on these piles was 108 hours. On these particular poles, the regular standard full length treatment was completed in seventy-two hours, i. e., to provide four ounces of arsenic chemical, six ounces of copper chemical and six ounces of zinc chemical. This test was made solely to determine what amount of chemicals, particularly arsenic, could be introduced into the pole by continuing the treatment for a longer than usual period. Since the amount is four times that which is specified by engineers for actual installation in the Pacific Northwest territory, the test showed that an ample safety factor could be obtained for even the most extreme conditions.

Microscopic examination of the cells, cross-sectionally considered, indicates that the chemicals impregnate and thicken the cell walls. The best theoretical explanation of my microscopic observations is that the sap wetted cell wall has a selective reaction towards the chemicals of the flowing solution. As soon as a reaction product forms in or on the cell wall, the selectiveness is reduced and the remaining parts of the solution are more free to pass thereby to such cells as have not been reacted upon.

The prolonging of the treatment continues gradually to fill in the center of the cell. Tests seem to indicate that the chemicals thereafter are partly deposited by reaction with the sap wetted walls, partly by reaction of the chemicals inter se and partly without reaction.

Allowing the chemicals in the treated pole to complete their reaction in the forming of arsenic salts before the pole is driven as a piling, or set as a pole and thereby exposed to the leaching elements, is beneficial, although tests in the laboratory on treated poles, which have not had an opportunity to dry, indicate that relatively non-leaching compounds already have been developed. No perceptible leaching occurs even when the poles are dumped into the water immediately after treating.

Field tests, including both ground, sea and fresh water tests, and laboratory experiments have been made upon treated felled green timber and this for the most part, upon red fir, white fir, yellow fir, alder, maple, myrtle, black oak, white oak, laurel, pine, cedar, hemlock and spruce.

The reaction of the chemical solution, with the sap wood, and/or the sap, and/or inter se in the wood, is important in providing for the retention of the metallic salts. For example, I have ascertained by experiment as follows:

1. If a piece of felled green timber is washed to remove the sap thoroughly, and the piece of wood then treated with a solution of copper sulphate, I have found that practically all of the salt retained by the piece of wood may be removed by leaching with water. But when a piece of wood of the same character, with the sap unremoved, is treated with a similar solution of copper sulphate, then leaching by water fails to remove a considerable proportion of the retained salt.

2. Again, if a piece of felled green timber is washed to remove the sap thoroughly, and then the wood is treated with the formula above set forth, and aged for one week, I find that a relatively small amount of the retained metallic salts remained non-leachable by laboratory test.

On the other hand, when a similar piece of felled green timber, with the sap unremoved, is

treated with a solution embodying the formula above set forth, and the pole allowed to age for one week, and borings are taken from the treated sap wood and these borings subjected to laboratory water leaching, the result was that a very much larger percent of the ingredients was found to be non-leachable.

The theoretical explanation of the unexpectedly favorable results obtained by my discovery is not positively known, involving as it does very complex organic reactions within the microscopic cells of the wood tissues, as well as in the organic digestive tracts of the wood enemies. However, my experiments indicate that the solution of an oxide of arsenic and one or more of the non-alkali metallic salts herein set forth are present in the treated sap wood portion in two forms: first, a portion of said solution reacts with the sap wetted wood cell wall or tissue, and/or with the sap, and/or the chemicals of the solution may interact inter se to form a reaction product which is a relatively non-leachable compound, and second, a portion of the solution is encased within the wood structure by said non-leachable compound. This second portion is more leachable than said first portion which forms said reaction product. Both portions possess toxic properties. Thus, the cell walls may be strongly water resisting and provide chambers or small pockets, as it were, for the retention of the more soluble portions of the solution. The soluble portion, being encased within the insoluble portion, cannot escape, and so adds to the retained toxicity under weathering conditions.

Experiments indicate that a greater amount of the formula may be introduced into the wood structure than is required to complete the reaction with the sap and wood tissue therein, and required to completely preserve the said wood tissue, so that to the extent that such chemicals are themselves present or are present in an inter se reaction product form deposited within the cells or interstices of the wood structure, they or it function or functions as an excluder of moisture, and serve or serves to reduce checking or cracking, commonly known as season checking.

Referring to the charts:

Fig. 6 is a chart showing the treatment of a pole identified in the experimental record as pole No. 2, which was given an eight foot butt treatment, and where it was desired to have at least 4 ozs. of arsenic at the top of the eight foot butt portion. This pole had its natural sap. The chart shows the number of ounces of chemical No. 1, (arsenic trioxide) per cubic foot of sap wood when the solution was formed with only arsenic trioxide, and shows the results of said treatment at different lengths of the pole and at different lengths of period of treatment.

Fig. 7 is a like chart for pole 3 showing the results when the treating solution comprised chemical No. 1 (arsenic trioxide) and chemical No. 2 (copper sulphate).

Fig. 8 is a like chart for pole 6 when the treating solution comprised chemicals No. 1 (arsenic trioxide), chemical No. 2 (copper sulphate) and chemical No. 3 (zinc sulphate).

Fig. 9 is a like chart for pole 7 when the treating solution comprised chemical No. 1 (arsenic trioxide), chemical No. 2 (copper sulphate), chemical No. 3 (zinc sulphate) and chemical No. 4 (iron sulphate).

Fig. 10 is a like chart, for pole 9 only in this instance the pole has had its sap washed out before treatment was made, and the treating solution comprised all four chemicals, No. 1 (arsenic trioxide), No. 2 (copper sulphate), No. 3 (zinc sulphate), and No. 4 (iron sulphate). The above test poles were selected because of their substantial uniformity of size and type.

In preparing the solution used for the chart shown in Fig. 6, one pound of arsenic trioxide was dissolved in ten gallons of boiling water.

In preparing the solution used for the chart shown in Fig. 7, one pound of arsenic trioxide was used with one and one-half pounds of copper sulphate and ten gallons of water, the water being boiled to dissolve the arsenic.

In preparing the solution used for the chart shown in Fig. 8, one pound of arsenic trioxide, one and one-half pounds copper sulphate and one and one-half pounds zinc sulphate and ten gallons of water were used, the water being boiled to dissolve the arsenic.

In preparing the solution used for the chart shown in Fig. 9, the preferred formula, as set forth in the above specification, was employed, i. e., the solution comprised one pound of arsenic trioxide, one and one-half pounds of copper sulphate, one and one-half pounds of zinc sulphate, four ounces iron sulphate and ten gallons of water, the water being boiled to dissolve the arsenic.

In preparing the solution used for the chart shown in Fig. 10, the same solution as in Fig. 9 was used.

The charts will now be considered in more detail: The chart of Fig. 6 has a segment **24** divided into compartments by radially and circumferentially directed lines. The figures 4, 8, 12, 20 and 24 represent in hours respectively the length of the different treating periods in the compartments reading from left to right, and the figures 10.4, 11.0, 11.9, 11.4, and 11.7 indicate the number of ounces of chemical No. 1 (arsenic trioxide) which was retained in the wood at the end of 4, 8, 12, 20 and 24 hours, respectively, at the butt of the log. Similarly segment **25** shows the results of the treatment at a point eight feet from the butt end of the log. Segment **26** omits the treatment for 4 and 8 hours, and shows the results for 12, 20 and 24 hours at a point in the log twenty feet from the butt end of the log. Segment **27** shows the results of the treatment for 4, 8, 12, 20 and 24 hours at the point forty feet from the butt end of the log i. e., at the top end of the log or pole. Segment **28** shows the liquid, which was forced through and dropped out at the end of the log, to contain, at the end of four hours, no chemical; at the end of eight hours, no chemical; at the end of twelve hours, a trace; at the end of twenty hours, .002 of an ounce of arsenic trioxide per gallon, and at twenty-four hours, .004 of an ounce of arenic trioxide per gallon.

The chart of Fig. 7 has the segment **29** similarly constructed to segment **24**. However, the hour period for the radial compartments are not given, but it is to be understood follow the same order as set forth in segment **24**, i. e., the first radial compartment indicates that at the end of four hours there was 8.5 ounces of chemical No. 1 (arsenic trioxide) and 2.0 ounces of chemical No. 2 (copper sulphate), and at eight hours 10.1 and 4.9 of said chemicals, respectively, etc. for the balance of the radial compartments. Segment **30** corresponds to the segment **25**, i. e., to the result of the treatment at a point eight feet from the butt. Segment **31** corresponds to segment **26**, showing the chemicals at 12, 20 and

24 hours to be respectively: 0.7 of chemical No. 1 and 0.4 of chemical No. 2, 1.2 of chemical No. 1 and 0.5 of chemical No. 2, and 1.5 of chemical No. 1 and 0.9 of chemical No. 2. This is for the treatment at twenty feet from the butt end of the log. Segment 32 corresponds to segment 27 in Fig. 6, however, showing the results of the treatment of both chemicals, i. e., chemical No. 1 (arsenic trioxide) and chemical No. 2 (copper sulphate). Segment 33 corresponds to segment 28 and indicates the amount per gallon of chemical No. 1 and chemical No. 2 in the liquid which dripped from the end of the pole as effluent.

The chart of Fig. 8 has the segment 34 corresponding to segment 24. However, the three chemicals are shown herein, i. e., chemical No. 1 (arsenic trioxide), chemical No. 2 (copper sulphate) and chemical No. 3 (zinc sulphate). Segment 35 corresponds to segment 25, only showing the added chemicals. Similarly segment 36 corresponds to segment 26, only showing the added chemicals, and likewise segment 37 corresponds to segment 27, only showing the added chemicals. Furthermore, segment 38 corresponds to segment 28, only showing the added chemicals per gallon in the effluent.

The chart of Fig. 9 has the segment 39 corresponding to segment 24, only showing the results of all four chemicals, as chemical No. 1 (arsenic trioxide), chemical No. 2 (copper sulphate), chemical No. 3 (zinc sulphate) and chemical No. 4 (iron sulphate). Segment 40 corresponds to segment 25, only showing the added chemicals. Segment 41 corresponds to segment 26, only showing the added chemicals. Likewise, segments 42 and 43 correspond to segments 27 and 28, respectively, only showing the added chemicals.

In the chart of Fig. 10 segments 44, 45, 46, 47, and 48 are similar to segments 24, 25, 26, 27, and 28 only showing the added chemicals in a pole with its sap washed out.

It will be understood that all the poles, of which data is shown in Figs. 6 to 14, were treated for a butt treatment to provide about 4.0 ounces of arsenic at the 8' point. The pressure about five pounds was the same in all said poles, and the quantity of chemicals used in each instance was the quantity specified in the preferred formula, i. e., where arsenic was used, one pound was used to ten gallons of water; and where said arsenic was used with another metallic salt, such as copper sulphate, then one and one-half pounds of copper sulphate was used, and where zinc sulphate was used, one and one-half pounds of zinc sulphate was used, and where iron sulphate was used, 4 ounces of iron sulphate was used. This is true for all poles, with the exception of pole 16 in Fig. 14, where it is expressly pointed out that an excessive amount of the iron sulphate was used. The water was boiled to dissolve the arsenic, and the temperature of the solution in all instances was substantially normal at the time of applying.

The charts speak for themselves and hence detailed reference is not necessary. However, it may be noted:

In reference to Fig. 6, by comparing the results of segment 24 with those shown in segment 27, it will be noted that at the end of twenty-four hours there is 11.7 ounces of arsenic trioxide in the butt end of the log, as compared to 1.0 ounce at the top, or at the end of the forty foot pole. By referring to segments 25 and 26 it is manifest that the amount of arsenic reaching points remote from the butt end of the log falls off rapidly during the first twenty-four hours. In the effluent at the end of twenty-four hours, as shown by segment 28, there is 0.004 of an ounce per gallon of chemical No. 1 (arsenic trioxide) present.

In Fig. 7 in segment 32 it is shown that when chemical No. 2, i. e., copper sulphate, is added to chemical No. 1 (arsenic trioxide) that at the end of twenty-four hours, at forty feet, as well as at the butt, at the eight foot and the twenty foot points on the pole, the quantity of arsenic trioxide deposited when the copper sulphate is also present in the solution is not greatly increased.

In Fig. 8, in comparing the results of segment 34 with those shown in 37, when the three chemicals, arsenic trioxide, copper sulphate and zinc sulphate are present in the treating solution, it is noted that there is an increase in the quantity of arsenic trioxide and copper sulphate deposited in the pole as compared to the results shown in Fig. 7 and in Fig. 6.

In Fig. 9, in comparing the results shown in segment 39 with those shown in segment 42, when all four chemicals, arsenic trioxide, copper sulphate, zinc sulphate and iron sulphate, are present in the treating solution, it is noted that, as respects the results shown in segment 37 of chart in Fig. 8, and segment 32 of the chart in Fig. 7, and segment 27 of the chart in Fig. 6, there is a considerable increase in the deposit of the arsenic trioxide, the amount being 1.8 as compared to 1.1, 1.0 and 1.0 in the corresponding segments of charts in Figures 8, 7 and 6.

These results thus show that there is a decided increase at the 40' point (in fact almost double) in the quantity of arsenic trioxide which may be deposited within the pole when the iron sulphate is added to the chemicals. Thus, the above is instructive as to the quantities of chemicals which may be deposited in the pole at different points and at different periods of time when the treatment has only as its object the providing of at least 4.0 ounces of arsenic trioxide at the 8' point in a butt treatment.

Comparing the results of the amount of the arsenic trioxide in the effluent, as shown in segment 43, as compared to that shown in segments 38 and 33, i. e., in the effluent of poles 6 and 3, it is noted that there is not a great deal of increase in the quantity of said arsenic trioxide.

In Fig. 10, i. e., pole 9, it will be noted that a considerable increase in the quantities of the chemicals were deposited in the cells of the washed pole in the period of 24 hours. This may be explained by the fact that the cells were more or less emptied of their soluble contents, so that larger quantities of the solution passed through the pole in the same length of time under the same pressure.

The leaching test hereinafter set forth will show that of the 15 ounces of arsenic deposited at the 8' point, only 3.77 ounces remained unleached. While in pole 7, where the pole was not washed, the total arsenic deposited in the 24 hour period at the 8' point was only 5.1 ounces, where a much smaller amount of fluid passed through the pole under the same pressure in the 24 hour period. But of this, the relatively large percentage, viz., 2.4 ounces remained unleached. The wastage of the solution on a washed pole is clearly shown.

Fig. 11, relating to pole 13, is a chart similar to the chart in Fig. 7, where the results of two chemicals are shown but in this instance chemicals 1 and 3 (arsenic trioxide and zinc sulphate) form the treating solution. Only the result of

twenty-four hour period treatment was noted. Segments 49, 50, 51 and 52 show the quantity of the chemicals at the respective points in the log, i. e., the butt, eight feet from the butt, twenty feet from the butt, and the top, or forty feet from the butt.

Fig. 12, relating to pole 14, is a chart similar to the chart shown in Fig. 8, where the results of three chemicals are shown, but in this instance chemicals 1, 3 and 4, i. e., arsenic trioxide, zinc sulphate, and iron sulphate, respectively, were employed to form the treating solution. Only the result of the twenty-four hour period treatment was noted. Segments 53, 54, 55 and 56 show the quantity of chemicals at the respective points in the log, i. e., the butt, eight feet from the butt, twenty feet from the butt, and the top, or forty feet from the butt.

Fig. 13, relating to pole 15, is a chart similar to the chart shown in Fig. 7, where the results of two chemicals are shown but in this instance chemicals 1 and 4, i. e., arsenic trioxide and iron sulphate, respectively, were used to form the treating solution. Only the result of the twenty-four hour period treatment was noted. Segments 57, 58, 59 and 60 show the quantity of chemicals at the respective points in the log, i. e., at the butt, eight feet from the butt, twenty feet from the butt, and the top, or forty feet from the butt.

Fig. 14, relating to pole 16, is a chart similar to the chart shown in Fig. 9. While in this instance all four chemicals were employed, however, in this treatment a large excess of chemical No. 4, iron sulphate, was employed in the solution,—twelve times the preferred amount, i. e., twelve times the amount in the preferred formula set forth in the specification hereinabove. It will be noted that such excess resulted in extensive concentration of all of the chemicals in the butt of the pole. The further fact is to be added that in the cap, before the chemical solution could enter the pole, there was in this instance the precipitation of very large amounts of chemicals 1 and 4 before even reaching the pole.

From a result of the study of the data shown for pole 13, (Fig. 11) as compared with pole 3, (Fig. 7) it is manifest that in pole 13 more chemicals reached the top of the pole than in pole 3. Compared with pole 7 (Fig. 9), the preferred treatment, less of chemical No. 1 and more of chemical No. 3 reached the top.

In referring to pole 14, in comparison with pole 6, there was little difference in the amount of chemical No. 1 at the top, but more of chemical No. 3 reached the top. Compared with pole 7 the same amount of chemical No. 1 and more of chemical No. 3 reached the top.

With reference to pole 15, (Fig. 13) an additional fact is that a large part of both chemicals No. 1 and No. 4 were precipitated before reaching the pole. The function of chemical No. 4 (iron sulphate) chiefly seems to be in retaining or fixing against leaching chemical No. 1 in the pole. The omission of chemical No. 2 and No. 3 increases the speed of the reaction between chemical No. 1 (arsenic trioxide) and chemical No. 4 (iron sulphate) and the above result of premature precipitation.

In obtaining the above quantities of chemicals, borings were taken, and these subjected to standard methods of analysis.

The above results of detailed experimental tests indicate clearly that the preferred formula, viz., one pound of arsenic trioxide (white arsenic) or any arsenic oxide that is soluble in water, one and one-half pounds of copper sulphate, one and one-half pounds of zinc sulphate, and four ounces of iron sulphate dissolved in ten gallons of water, gives the best distribution of chemicals through the sap wood of the pole, and the best retention or fixing against leaching as to quantity of chemicals.

The table immediately following brings out the results of the leaching test made on borings from the above five poles at eight feet from the butt after twenty-four hour treatment, viz., poles 2, 3, 6, 7, and 9 shown respectively in Figs. 6, 7, 8, 9 and 10.

Ounces per cubic foot dry sapwood leached

	As received	Unleached	Percent leached
Pole #2—Chemical #1	5.9	1.65	72.0
Pole #3—Chemical #1	5.0	1.62	67.6
#2	5.3	.57	89.2
Pole #6—Chemical #1	5.5	2.28	58.5
#2	8.5	1.65	80.6
#3	4.7	.75	84.0
Pole #7—Chemical #1	5.1	2.40	52.9
#2	9.7	1.70	82.5
#3	3.3	.67	79.7
#4	.9	.90	0.0
Pole #9—Chemical #1	15.0	3.77	74.8
#2	16.5	1.40	91.5
#3	10.2	1.03	90.0
#4	2.0	1.56	22.0

Referring to pole 2: When only chemical No. 1 (arsenic trioxide) was used, 72% was removed by leaching in the laboratory.

Referring to pole 3: When chemicals No. 1 (arsenic trioxide) and chemical No. 2 (copper sulphate) were employed, it showed that there was then leached from the borings 67.6% of chemical No. 1 and 89.2% of chemical No. 2. This shows that copper sulphate had a fixing effect upon chemical No. 1.

Referring to pole 6: When chemicals Nos. 1, 2 and 3 (arsenic trioxide, copper sulphate and zinc sulphate, respectively) were used in the treating solution, a still less quantity of the chemicals was leached out, i. e., there was less of chemicals Nos. 1 and 2 removed by the leaching, which shows that the zinc sulphate had its effect in fixing the chemicals.

Referring to pole 7: When all four chemicals were employed, according to the preferred formula, it is manifest that there was less of the chemicals removed by leaching. For example, instead of arsenic trioxide being leached out as in pole 2, to the extent of 72%, in pole 7 there was only 52.9% leached out, and as compared with pole 3 there was only 82.5% leached out of the copper sulphate, as opposed to 89.2%, and as to the zinc sulphate, there was only 79.7% leached out as compared with 84% in pole 6.

It is to be remembered that the utility of an invention of the character herein set forth is dependent upon not only getting toxic elements into the pole, but it is dependent upon getting them there in such quantities as to be effective, and then they must be so deposited within the pole as to be relatively non-leachable. The laboratory leaching tests, it must be noted, are much more severe than would be encountered in nature, as these tests are on small borings, and thus exposing more surface to the action of water than obtains in actual exposure in use.

Referring to pole 9, where all four chemicals

were used in connection with the pole from which the sap had been washed, it is manifest that the chemicals were leached out to a far greater extent than when the pole was treated with the natural sap in the wood. For example, as opposed to pole 7, where only 52.9% arsenic trioxide was leached, in pole 9, 74.8% was leached out. As to chemical No. 2 in pole No. 7, 82.5% was leached out, as opposed to 91.5% in pole 9. In pole 7 only 79.7% of zinc sulphate was leached, whereas in pole 9, 90.0% was leached out, and as to the iron sulphate in pole 7, 0.0% was leached, whereas in pole 9, 22% was leached out. These figures leave no doubt of the importance of the presence of the sap in providing for a non-leaching of the chemicals in question.

Obviously, my invention is further characterized by the advantage that there is no portion of the chemical adhering to the exterior of the wood and is not, therefore, a continuing menace to cattle or other animals. Where attempts have been made to provide a preserving chemical to be applied to the exterior of the wood, which chemical is of a poisonous character, a serious objection has obtained because the cattle are tempted to lick the same, owing to its salty character. Furthermore, such exteriorly applied preserving chemicals often result in poisoning the operators engaged in handling the timber thus treated.

Furthermore, the chemical composition embodying my invention is free of the objection of obnoxious odors.

In the case of other solutions commonly employed in preserving timber, particularly creosoting, serious objection obtains to the obnoxious odors, particularly while the same is in transfer on a ship. For example, a cargo of coffee or flour, or like food products, cannot be shipped on the vessel having a cargo of creosoted treated timber, because the said odors are absorbed to such an extent by such food products as to seriously impair the value of said products. Even storing such food products in warehouses where creosoted timbers are present has rendered such products highly objectionable, and naturally reduced their value. This is a most important consideration, because vessels running to countries where such food products are imported or exported, cannot well carry piling or timbers, which are creosoted, as a cargo. Such a chemical so contaminates the vessel that the return cargo of such food products as coffee, flour, etc. would be seriously damaged.

A further highly important advantage of this method of treatment, is that the surface of the pole or timber is left in condition to receive paint. This is not practical with other commonly employed solutions, particularly creosote.

Furthermore, experimentation has proven that a pole treated according to my invention has distinctly increased fire resistant qualities as compared to a pole untreated.

In treating a pole, it is to be understood that it is the sap wood portion of the pole that is mostly effected by the chemicals of my said formula. For this reason, care is taken in trimming the pole and binding thereon the treating receptacle, not to cut away any of the sap wood portion. Furthermore, the formula embodying my invention is characterized by embodying ingredients which do not injure the wood tissue, nor do the chemicals operate to be self-blocking, during the treating process, against the passage of the solution of the formula through the sap cells.

It has been found that when the wood is treated after the process herein set forth, and then placed in a dry-kiln, that it does not season check or warp nearly as much as when it is kiln-dried without such treatment. Likewise, the discoloration due to dry-kiln operation is lessened.

The facts and conclusions herein contained have been derived from chemical analysis, experience and observation of some 2000 poles treated in accordance with my invention in actual commercial operation.

This is a continuation-in-part of my now pending application Serial No. 673,415 filed May 29, 1933, and is to be substituted therefor with the express understanding that the invention disclosed in said co-pending application is in no-wise abandoned hereby.

Obviously, changes may be made in the forms, dimensions and arrangement of the parts of my invention, with out departing from the principle thereof, the above setting forth only preferred forms of embodiment.

I claim:

1. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to wash out the sap, i. e., of a sufficiently low pressure to permit substantial retention of sap to permit reaction of the sap and the solution, the solution comprising a water soluble oxide of arsenic; and a water soluble ferro metallic salt.

2. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to completely wash out the sap, the solution comprising a water soluble oxide of arsenic and copper sulphate; and periodically interrupting the treatment and cutting off a section of the end portion of the pole to which the treating solution is applied to present a fresh cross-section of the pole to the treating solution and to facilitate the flow of the solution lengthwise of the cells at a predetermined rate.

3. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to wash out the sap, i. e., of a sufficiently low pressure to permit substantial retention of sap to permit reaction of the sap and the solution, the solution comprising a water soluble oxide of arsenic and zinc sulphate.

4. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to wash out the sap, i. e., of a sufficiently low pressure to permit substantial retention of sap to permit reaction of the

sap and the solution, the solution comprising a water soluble oxide of arsenic and iron sulphate.

5. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution comprising a water soluble oxide of arsenic, copper sulphate and zinc sulphate.

6. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution comprising a water soluble oxide of arsenic, copper sulphate and iron sulphate.

7. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution comprising a water soluble oxide of arsenic, zinc sulphate and iron sulphate.

8. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution comprising a water soluble oxide of arsenic, copper sulphate, zinc sulphate and iron sulphate.

9. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to completely wash out the sap, the solution comprising arsenic trioxide and copper sulphate; and periodically interrupting the treatment and cutting off a section of the end portion of the pole to which the treating solution is applied to present a fresh cross-section of the pole to the treating solution and to facilitate the flow of the solution lengthwise of the cells at a predetermined rate.

10. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to wash out the sap, i. e., of a sufficiently low pressure to permit substantial retention of sap to permit reaction of the sap and the solution, the solution comprising arsenic trioxide and zinc sulphate.

11. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to wash out the sap, i. e., of a sufficiently low pressure to permit substantial retention of sap to permit reaction of the sap and the solution, the solution comprising arsenic trioxide and iron sulphate.

12. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution comprising arsenic trioxide, copper sulphate, and zinc sulphate.

13. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution comprising arsenic trioxide, copper sulphate and iron sulphate.

14. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution comprising arsenic trioxide, zinc sulphate and iron sulphate.

15. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution comprising arsenic trioxide, copper sulphate, zinc sulphate and iron sulphate.

16. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution comprising copper sulphate and zinc sulphate, which remain in solution while under impregnating pressure without objectionable depleting and self-blocking-against-impregnation reactions; and periodically interrupting the treatment and cutting off a section of the end portion of the pole to which the treating solution is applied to present a fresh cross-section of the pole to the treating solution and to facilitate the flow of the solution lengthwise of the cells at a predetermined rate.

17. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution comprising copper sulphate, zinc sulphate and iron sulphate, which remain in solution while under impregnating pressure without objectionable depleting and self-blocking-against-impregnation reactions; and periodically interrupting the treatment ar

cutting off a section of the end portion of the pole to which the treating solution is applied to present a fresh cross-section of the pole to the treating solution and to facilitate the flow of the solution lengthwise of the cells at a predetermined rate.

18. In the process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to completely wash out the sap, said solution containing reagents which react with the wood to produce non-leachable compounds, the step of periodically interrupting the treatment and cutting off a section of the end portion of the pole to which the treating solution was applied to present a fresh cross-section of the pole to the treating solution and facilitating the flow of the solution lengthwise of the cells at a predetermined rate.

19. In the process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to completely wash out the sap, said solution containing reagents which react with the wood to produce non-leachable compounds, the step of periodically, during treatment, cutting off a section of the end portion of the pole from which the solution escapes, and facilitating the rate of flow of the solution through the pole at a predetermined rate.

20. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution including copper sulphate, zinc sulphate, iron sulphate, and arsenic trioxide which form relatively non-leaching toxic compounds within the sap wood portion of the timber in substantially its natural condition and which remain in solution while under impregnating pressure without objectionable depleting and self-blocking-against-impregnation reactions.

21. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution including the following ingredients in substantially the following proportions, namely, one and one-half pounds of copper sulphate, one and one-half pounds of zinc sulphate, one pound of arsenic trioxide, four ounces of iron sulphate, and ten gallons of water which form relatively non-leaching toxic compounds within the sap wood portion of the timber in substantially its natural condition and which remain in solution while under impregnating pressure without objectionable depleting and self-blocking-against-impregnation reactions.

22. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution consisting of a water soluble oxide of arsenic, copper sulphate and iron sulphate.

23. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure, the solution consisting of a water soluble oxide of arsenic, zinc sulphate and iron sulphate.

24. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to wash out the sap, i. e., of a sufficiently low pressure to permit substantial retention of sap to permit reaction of the sap and the solution, the solution comprising a water soluble oxide of arsenic; and a water soluble zinc salt.

25. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to completely wash out the sap, the solution comprising a water soluble oxide of arsenic; and a water soluble copper salt; and periodically interrupting the treatment and cutting off a section of the end portion of the pole to which the treating solution is applied to present a fresh cross-section of the pole to the treating solution and to facilitate the flow of the solution lengthwise of the cells at a predetermined rate.

26. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to completely wash out the sap, the solution consisting of a water soluble oxide of arsenic and a water soluble copper salt in aqueous solution; and periodically interrupting the treatment and cutting off a section of the end portion of the pole to which the treating solution is applied to present a fresh cross-section of the pole to the treating solution and to facilitate the flow of the solution lengthwise of the cells at a predetermined rate.

27. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to wash out the sap, i. e., of a sufficiently low pressure to permit substantial retention of sap to permit reaction of

the sap and the solution, the solution consisting of a water soluble oxide of arsenic and a water soluble zinc salt in aqueous solution.

28. The process of preserving felled green timber having its natural sap comprising impregnating the timber with a toxic and substantially wood non-injuring aqueous solution applied under pressure over the cross section of the timber sufficient to force the said solution through the sap wood portion of the timber longitudinally of the cell structure but insufficient to wash out the sap, i. e., of a sufficiently low pressure to permit substantial retention of sap to permit reaction of the sap and the solution, the solution consisting of a water soluble oxide of arsenic and a water soluble ferro salt in aqueous solution.

MYRON M. CLAPSHAW.

References

Clapshaw, Myron M. 1938. Process for Preserving Felled Green Timber Containing Its Natural Sap. U.S. Patent 2,134,031. Filed 24 July 24, 1935, Issued 25 October 25, 1938.

APPENDIX C WHETLERITE PRODUCTION PROCESS OF CARLISLE LUMBER COMPANY, UNITED STATES ARMY, AND CROWN ZELLERBACH CORPORATION

C1.0 CARLISLE, ARMY, AND CROWN ZELLERBACH WHETLERITE PRODUCTION PROCESSES

Carlisle patented the processes and machinery associated with each stage of the production of activated carbon from wood waste. Collectively, these activated carbon production methods were referred to as "the Carlisle Process" by the Army.

Whetlerite was carbon that was activated and then impregnated with copper through a chemical process. Whetlerite was the most effective impregnated charcoal, and the United States began putting it into some canisters for use in gas masks at the end of World War I. By World War II, Whetlerite A was the standard filter material. Whetlerite A was prepared by deposition of copper amine carbonate into the pores of the charcoal and decomposing it to copper(II)oxide (Tien 1930). By 1942, Whetlerite AS was in use with added copper and silver, improving protection against arsine. By 1943, hexavalent chromium had been added to make Whetlerite ASC, with even better protection against cyanide and cyanogen chloride gas (Walk 2001). The equipment and methods ascribed to Carlisle appear to have been used at the Property during the entire time of operation by Carlisle and Crown Zellerbach. An inventory of Army laboratory equipment and supplies from 1947 (**Appendix D**) includes a list of reagents and chemicals utilized by the onsite CWS laboratory. These chemicals include:

- Arsenous Acid
- Chromium trioxide
- Copper sulfate
- Metallic copper powder Potassium chromate
- Potassium dichromate
- Potassium dichromate
- Silver nitrate
- Ammonia
- Carbon dioxide
- Hexavalent chromium
- Sodium dichromate
- Zinc metal analyte reagent
- Zinc metal

- Cupric (copper) carbonate
- Magnesium arsenite
- Magnesium arsenide

According to the 1947 Army inventory, the CWS laboratory was equipped with the following testing devices:

- Canister Testing Apparatus
- Chloropicrin Absorption Test
- Arsine Absorption Apparatus
- Phosgene Tube Machine Apparatus
- Hydrocyanic/Acid Absorption Test
- Cyanogen Chloride Tube Machine
- Charcoal Equilibrator Apparatus

Laboratory waste was routed to a septic system at the northeast corner of the Property that discharged into the LDW. Carbon was dumped in portions of the Property, such as ditches, as observed in the subsurface during investigation activities and as documented in the 1945 Pollution Control Commission Report (Foster 1945).

Brief descriptions of the material and Whetlerite production processes are provided in the following sections, as described in the USACE *Archives Search Report, Seattle Chemical Warfare Service Plant* (USACE 1994).

C1.1 Raw Materials

Charcoal was produced at the Seattle CWS from very dense, highly compressed wood briquettes derived primarily from Douglas fir plant mill shavings. The briquettes produced at the Seattle CWS were sold commercially in the Pacific Northwest under the trade name "Pres-to-logs" ("logs"). The logs were cylindrical in shape and measured approximately 13 inches in length and 4 inches in diameter with an average weight of approximately 7.7 pounds (USACE 1994). Each of the logs was sawed into six small pieces forming a small briquette approximately 1.9 inches thick. Logs were delivered to the Property via railroad and unloaded into a system of conveyor belts that transferred the logs to a storage room or directly to the automatic saws. The saws had the capability to cut an average of 800 logs per hour (USACE 1994). The briquettes were discharged from the saw

onto an elevator system and into a storage bin. From the storage bin, the briquettes were hand-loaded into metal trays.

The Archives Search Report indicates that the loaded trays were transferred via gravity conveyor belts to the furnace tubes. The trays were loaded by hand into the breach of the furnace tube and then hydraulically pushed into the furnace. During the charring process the briquettes were held under a pressure of 300 pounds per square inch. The report states that a mixture of graphite and low grade mineral oil was used in the breach to reduce friction.

Type ACS Whetlerite was produced by first impregnating the wood sawdust or shavings with a dehydrating or carbonizing agent such as zinc chloride, phosphoric acid, or potassium sulfide. After the initial impregnation, the mixture of wood shavings/sawdust was heated and agitated. The completed reaction charge is a "blackened, semi-plastic mass of a suitable consistency for compacting into shapes convenient for further processing" as described below (Slyh et al. 1945).

C1.2 Charcoal Production and Calcination

The facility utilized two charring furnaces, each reported to contain 14 stainless-steel tubes approximately 5 inches in diameter and 14 feet long. The interior of the furnaces were divided into four sections by using refractory brick baffle walls. At the start of the process, the furnaces were heated via gas burners; however, the gas was turned off when operating temperatures were reached. Temperatures in the four sections were 900 degrees Fahrenheit (°F) at the feed end and 1,000 °F; 1,100 °F; and 1,200 °F at the discharge end. The calcined carbon ("char") was held under pressure in the furnace from 90 to 110 minutes. The briquettes were reportedly compressed to a thickness of 0.75 inch during the charring process and the char "had the appearance of coal, being hard and dense." The char and plates were discharged from the furnace through water-jacket-cooled sections and onto shaker screens that separated the trays and char. From here, the char was transferred to storage bins and then to a crusher and grading screens. After fines and 6-mesh-plus sized material were removed, the char was fed into the calciner.

The calciner was a "slightly inclined steel rotary kiln," approximately 75 feet long. Refractory brick was used to separate the kiln into two halves. The feed end was heated via gas while the discharge end was heated electrically. The temperature at the feed end of the calciner was approximately 1,450 °F and increased towards 1,800 °F as the char became more conductive. At this

temperature, the char had become almost pure carbon. The process reportedly required 36 hours.

C1.3 Activation

The char flowed out of the calciner and was injected through a pipe into the activator. According to the Archives Search Report, the steam activator was smaller (60 feet in length); however, it was similar in design to the calciner. The interior of the activator was split in half via a refractory brick-lined wall. The activator was heated electrically. Steam nozzles were arranged equidistantly within the activator and, as the activator rotated, steam was injected into the carbon and then cut off as the nozzles were rotated away from the carbon. The temperature within the activator was maintained at a reported temperature of 1,650 °F. The process reportedly required 24 hours. The carbon was discharged from the activator into a grading system where carbon of the proper specification was screened into paper bags or barrels. Samples were collected from the activated carbon and tested using the chloripicrin absorption test to evaluate if they would pass CWS standards (i.e., testing with arsine and other chemical agents).

C1.4 Impregnation

After the CWS had approved the activated carbon, it was moved to the Whetlerite plant for impregnation. The carbon was elevated into a feed bin and fed into an impregnation screw, which was inclined with the lower portion servicing as the impregnation chamber. The upper end of the screw discharged into a pre-dryer and then into a dryer. Carlisle produced Type A Whetlerite, which was activated charcoal impregnated with an aqueous solution of copper ammonium carbonate. Crown Zellerbach produced Type ACS Whetlerite, which was prepared by impregnating an activated base charcoal with an aqueous solution containing a compound of cupric copper, ammonia, carbon dioxide, a hexavalent chromium compound, and silver nitrate (Birenzvige et al. 1992).

The 1942 and 1946 aerial photographs (Appendix A1) depict the Property during Carlisle and Army operations. The layout of the Army buildings is highlighted on **Figure 2-9.**

C1.5 References

Birenzvige, A., P.N. Krishnan, and G.K. Knoss. 1992. Evolution of Ammonia from Type ASC Whetlerite. Report number CRDEC-TR-315.

Foster, Richard F. 1945. Sources of Pollution in the Duwamish-Green River Drainage Area. Pollution Control Commission Survey. December.

Slyh, J.A., et al. 1945. "United States Patent: 2,508,474 – Production of Activated Carbon." Application September 19, 1956, Serial No. 617,456.

USACE (U.S. Army Corps of Engineers). 1994. Defense Environmental Restoration Program for Formerly Used Defense Sites, Ordnance and Explosive Waste, Chemical Warfare Materials, Archives Search Report, Seattle Chemical Warfare Service Plant. King County Washington, Site No. F10WA041600. June.

Walk, Lieutenant Colonel Robert D. 2001. The History of Military Mask Filters.

APPENDIX D UNITED STATES ARMY INVENTORIES AND SITE LAYOUT MAP

ADDRESS REPLY TO
THE DIVISION ENGINEER
(NOT TO INDIVIDUALS)

WAR DEPARTMENT
CORPS OF ENGINEERS
OFFICE OF THE DIVISION ENGINEER
NORTH PACIFIC DIVISION
500 PITTOCK BLOCK
PORTLAND 5, OREGON

43 NPDRM

10 April 1947

REFER TO FILE NO. NPD 680.41 (Seattle CWS Plant, Wn. - Reichhold Chemicals, Inc.)

SUBJECT: Re-execution of Signature Sheet of Joint Condition Report and Survey - marked Exhibit "B".

TO: Judge Advocate General, U. S. Army
2649 Munitions Building, WASHINGTON 25, D. C.

1. Pursuant to instructions from Chief of Chemical Corps, received through Office, Chief of Engineers, that the signature sheet of Exhibit "B" (Joint Condition Report and Survey) be signed by Major W. H. Bliss, Chemical Corps, San Francisco Chemical Procurement District, the signature sheet of Exhibit "B" was re-executed as of 9 January 1947 and now includes the signature of Major Bliss.

2. An executed copy of same is inclosed for your file.

FOR THE ACTING DIVISION ENGINEER:

Dick Darnielle

DICK DARNIELLE
Assistant Division Real Estate Officer

1 Incl.
Incl. 1 - Exec Cy Signature Sheet

Seattle CWS Plant

Wash

898802

91190

SUPPLEMENT TO JOINT CONDITION REPORT

AND SURVEY

On 9 January 1947 a Joint Condition Report and Survey called Joint Conditional Report and Survey in which the buildings, installed equipment and supplies situated within and comprising the Seattle, Washington, Chemical Warfare Service Plant, was listed purporting to reflect the true condition thereof as of 11 December 1946, which report and survey was signed by T. S. Lodgins in behalf of the Reichhold Chemicals, Incorporated, and by W. H. Bliss, Major, CWL, in behalf of the Chemical Warfare Service, and by LeRoy A. Anderson in behalf of the North Pacific Division Engineers. The report and survey thus compiled and executed is known as Exhibit "B" to Lease No. W35-063-eng-126, dated 31 January 1947.

Condition 5 of said lease provides that said report and survey (referred to therein as Survey and Inventory) may be amended from time to time by adding thereto such additional Government property, fixtures and installations as are furnished by or at the expense of the Government.

Said report and survey has been found to be in error in that structure No. 17 was omitted and that the dimensions and area of Building No. 13 were incorrectly shown, and it is agreed that said report and survey be amended in those regards.

NOW, THEREFORE, said report and survey is amended only in the following particulars and not otherwise:

a. Added thereto is miscellaneous structure No. 17 which consists of a concrete septic tank the size of which is 6' x 14' x 7'. Said tank is in operating condition and presumed to be in good repair; and

b. The size of building No. 13 is 14'6" x 36' and the area thereof is 522 square feet.

Encl. 8 2

Dated this 21 day of June 1948.

REICHHOLD CHEMICALS, INCORPORATED

By _____
T. S. HODGINS
Authorized Representative

DEPARTMENT OF THE ARMY

CHEMICAL CORPS

By _____
S. E. WHITESIDES, JR., Colonel, CML

SEATTLE DISTRICT
CORPS OF ENGINEERS

By _____
W. L. WHITE, Inspector
Real Estate Division

(Supplement one to exhibit "B" of lease W35-063-eng-126)

JOINT CONDITIONAL REPORT AND SURVEY

This report reflects the true condition of the buildings, installed equipment and supplies situated within and comprising the Seattle, Washington, Chemical Warfare Service Plant; said true condition being effective as of 11 December 1946, the day of the right of entry granted by the War Department to Reichold Chemicals, Incorporated.

Condition of each and every item in this Joint Conditional Report and Survey is "Good" unless otherwise noted to the contrary.

REICHOLD CHEMICALS, INCORPORATED

By J. S. Hodgins
Title
Manager, Pacific Northwest Division

CHEMICAL WARFARE SERVICE

FOR THE DIVISION ENGINEER NORTH PACIFIC DIVISION

Leroy G. Anderson
Head, Management Section, Seattle Sub-Office

Executed on the 9 day of January 1947.

NOTE: Check marks before and after items listed in Exhibit "B" identify such items as specialized equipment to be stored in Building No. 2 in accordance with Condition 1 of the lease.

Exhibit "B"

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
1	Presto Log Storage	40' x 43' 1720 Square Feet	$1,561.00 (Est.

Built to Plan No. Not Known (Leanto type building, adjoins Building No. 2)

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
123	Foundation Lin.Ft.	Concrete Blocks	Good
1720	Floor Framing Sq"	Wood Sills on Ground	"
123	Walls Framing Lin. Ft.	Wood	"
123	Walls Exterior "	Galvanized Iron	" Fair
X	Roof Framing	Wood	"
X	Roof	Galvanized Iron	" Fair - needs repair
0	Chimney		
0	Ventilator		
0	Paint Exterior		
2	Doors Outside	Metal Clad, 7' x 9'	Good
0	Door Screens		
0	Window		
0	Window Screens		
0	Window Blinds		
1720	Floors Interior Sq.Ft.	Wood Planking	Good
123	Walls Interior Lin.Ft.	Unfinished	"
X	Ceiling	"	"
0	Partition - Lin. Ft.		
0	Partition (Finish)		
2	Conveyors	Leather belts on wood framework occupies approximately 40% of floor space.	Good

INSTALLED PROPERTY

List Electric Switches, Light Fixtures, Toilets, Lavatories, etc.

No.	Items
	No Plumbing or Heating
6	Fixtures, Lighting, Metal Reflector Type -- Condition, Good.

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
2	Charcoal Building	44' x 282' 12,408 Sq. Ft.	$36,212.00 (Est.)

Built to Plan No.
Not Known (Factory type building)

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
652	Foundation Lin.Ft.	Concrete	Good
12,408	Floor Framing Sq.Ft.	None - Concrete	"
652	Walls Framing Lin. Ft.	Steel	"
652	Walls Exterior Lin.Ft.	Galvanized Iron	" Fair
X	Roof Framing	Steel	"
X	Roof	Galvanized Iron	" Fair - needs repair
4	Chimney	Furnace Stacks - 2 Steel and 2 Brick. Approx. 5' in Diam.	"
3	Ventilator	3-Monitors, 8' x 20', 6' High and 3 Ventilators	"
0	Paint Exterior		
2	Doors Outside	1 - 3' x 6'8", Wood 1 - Metal Clad, 4' x 6'8" (Fire Door)	Good
0	Door Screens		
24	Window	42" x 48", 4 Pane, Steel Slash. 4 Panes Broken	Good
0	Window Screens		
0	Window Blinds		
12,408	Floors Interior Sq.Ft.	Concrete, Unfinished	Good
652	Walls Interior Lin.Ft.	Unfinished	"
X	Ceiling	"	"
44	Partition - Approx. Lin. Feet Lin. Ft.	Wood Frame	"
44	Partition (Finish)	2" T&G on one side, plasterboard on the other.	"

INSTALLED PROPERTY

List Electric Switches, Light Fixtures, Toilets, Lavatories, etc.

No.	Items
	No Plumbing or Heating
24	Fixtures, Lighting, Metal Reflector Type. Condition - Good

JOINT CONDITION SURVEY

Bldg. No. 3 | Type: Whetlerite Building | Size: 56' x 81' | 4536 Square Feet | Cost: $15,639.00 (Est.)

Built to Plan No. Not Known (Factory Type Building, adjoins Buildings 2,4,5 & 6)

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
228	Foundation Lin.Ft.	Concrete	Good
4,536	Floor Framing Sq.Ft.	None - Concrete	"
228	Walls Framing Lin.Ft.	Steel	"
228	Walls Exterior Lin. Ft.	Galvanized Iron	"
X	Roof Framing	Steel	"
X	Roof	Galvanized Iron	"
1	Chimney	Steel Stack	"
4	Ventilator	Approx. 5' in Diam., Galvanized Iron.	"
0	Paint Exterior		
3	Doors Outside	1 - 5' x 10', Metal Clad, Fire Door. 2 - 10' x 10' " " " "	Good
0	Door Screens		
25	Window	Approx. 5' x 5', 12 Pane, Steel Sash, 5 Broken Panes	Good
0	Window Screens		
0	Window Blinds		
4,536	Floors Interior Sq.Ft.	Concrete, Unfinished	Good
228	Walls Interior Lin. Ft.	Unfinished	"
X	Ceiling	"	"
0	Partition - Lin. Feet		
0	Partition (Finish)		

INSTALLED PROPERTY

List Electric Switches, Light Fixtures, Toilets, Lavatories, etc.

No.	Items
	No Plumbing or Heating
16	Fixtures, Light, Metal Reflector Type. Condition - Good.

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
4	Barrel Storage Building	16' x 282' 4,512 Sq. Ft.	$5,640.00 (Est.)

Built to Plan No.
Not Known (Leanto type building, adjoins building No. 2)

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
314	Foundation Lin. Ft.	Concrete	Good
4,512	Floor Framing Sq.Ft.	None - Concrete	"
314	Walls Framing Lin.Ft.	Wood	"
314	Walls Exterior " "	Galvanized Iron	" Poor
X	Roof Framing	Wood	"
X	Roof	Galvanized Iron	Poor - needs repair
0	Chimney		
0	Ventilator		
0	Paint Exterior		
1	Doors Outside	Double Door, Wood, 8' x 10'	Good
0	Door Screens		
5	Window	5' x 5', 12 Pane, Steel Sash	Good
0	Window Screens		
0	Window Blinds		
4,512	Floors Interior Sq.Ft.	Concrete - Unfinished	Good
314	Walls Interior Lin.Ft.	Unfinished	"
X	Ceiling	"	"
0	Partition - Lin. Feet		
0	Partition (Finish)		
X	Sprinkler System	INSTALLED PROPERTY	Good

List Electric Switches, Light Fixtures, Toilets, Lavatories, etc.

No.	Items
	No Plumbing or Heating

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
5	Womens Service & First Aid Building	16' x 68' 1088 Sq. Ft.	$5,984.00 (Est.)

Built to Plan No.
Not Known (Adjoins Building No. 3 and No. 6)

No.	Item	Description	Condition (Good, Fair, Poor
0	Stoops		
34	Foundation Lin.Ft.	Concrete	Good
1088	Floor Framing Sq.Ft.	None - Concrete	"
84	Walls Framing Lin.Ft.	Wood	"
84	Walls Exterior Lin.Ft.	"	"
X	Roof Framing	"	"
X	Roof	Roofing Paper	"
0	Chimney		
0	Ventilator		
84	Paint Exterior Lin.Ft.	Painted Gray	Good
3	Doors Outside	Wood and Glass, 2'8" x 6'8"	"
0	Door Screens		
8	Window	Various Sizes	Good
0	Window Screens		
0	Window Blinds		
1088	Floors Interior Sq.Ft.	Concrete	Good
84	Walls Interior Lin.Ft.	Plasterboard - Painted	"
X	Ceiling	Plasterboard - Painted	"
54	Partition - Lin. Feet, Approx. Lin.Ft.	Wood - Plasterboard	"
54	Partition (Finish) Approx.	Painted	"

INSTALLED PROPERTY

List Electric Switches, Light Fixtures, Toilets, Lavatories, etc.

No.	Items	
1	Sink, Kitchen, Porcelain, & Cast Iron	The condition of opposite items is good.
4	Lavatories, Porcelain.	
3	Toilets, w/Tank	
4	Heads, Shower	
6	Fixtures, Light, Plastic Reflector Type	
8	" " Glass Bowl Type.	

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
6	Control Laboratory	21' x 76' 1596 Sq. Ft.	$9,945.00 (Est.)

Built to Plan No.
Not Known (Adjoins Buildings 2, 3 and 5)

No.	Item	Description	Condition (Good, Fair, Poor
0	Stoops		
118	Foundation Lin. Ft.	Concrete	Good
1596	Floor Framing Sq.Ft.	None - Concrete	"
118	Walls Framing Lin. Ft.	Wood & Tile	"
118	Walls Exterior	Wood & Tile	"
X	Roof Framing	Wood	"
X	Roof	Tar and Gravel	"
0	Chimney		
7	Ventilator	Galvanized iron stacks approx. 8" in Diam.	"
118	Paint Exterior Lin. Ft.	Painted Gray	"
3	Doors Outside	Wood and Glass, 2'8" x 6'8".	"
0	Door Screens		
14	Window	Various sizes, wood and steel sash.	"
0	Window Screens		
0	Window Blinds		
1596	Floors Interior Sq.Ft.	Concrete covered with asphault tile.	Good
118	Walls Interior Lin. Ft.	Plaster and Plasterboard - Painted	"
X	Ceiling	Plasterboard - Painted.	"
48	Partition - Lin. Ft.	Wood and Tile	"
48	Partition (Finish) Lin. Ft.	Plaster and Plasterboard	"

INSTALLED PROPERTY
List Electric Switches, Light Fixtures, Toilets, Lavatories, etc.

No.	Items
44	Fixtures, Light, Fluorescent, 2 Tube, 48"
2	" " Glass Bowl Type.

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
7	Control Laboratory	15' x 30' 450 Sq. Ft.	$900.00 (Est.)

Built to Plan No.
Not Known (Adjoins Building No. 2)

No.	Item	Description	Condition (Good, Fair, Poor
0	Stoops		
60	Foundation Lin. Ft.	Concrete	Good
450	Floor Framing Sq. Ft.	None - Concrete	"
60	Walls Framing Lin. Ft.	Wood and Tile	"
60	Walls Exterior Lin. Ft.	Wood and Tile	"
X	Roof Framing	None - Concrete Slab on small transformer Bldg.	"
X	Roof	" "	"
0	Chimney		
0	Ventilator		
60	Paint Exterior Lin.Ft.	Painted Gray	
0	Doors Outside		
0	Door Screens		
0	Window		
0	Window Screens		
0	Window Blinds		
450	Floors Interior Sq.Ft.	Unfinished	Good
60	Walls Interior Lin. Ft.	"	"
X	Ceiling	"	"
0	Partition - Lin. Feet		
0	Partition (Finish)		

INSTALLED PROPERTY
List Electric Switches, Light Fixtures, Toilets, Lavatories, etc.

No.	Items
	NONE

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
8	Mens Service and First Aid Building	31' x 60' 1860 Sq. Ft.	$13,875.00 (Est.

Built to Plan No. Not Known (Adjoins Building No. 2)

No.	Item	Description	Condition (Good, Fair, Poo
0	Stoops		
122	Foundation Lin.Ft.	Concrete	Good
1860	Floor Framing Sq.Ft.	None - Concrete	"
122	Walls Framing Lin.Ft.	Wood and Concrete Block.	"
122	Walls Exterior Lin.Ft.	Wood (Side of Building and Ends.)	"
X	Roof Framing	Wood	"
X	Roof	Roofing Paper	"
0	Chimney		
4	Ventilator	Approx. 12" x 12"	Good
122	Paint Exterior Lin.Ft.	Painted Gray	"
2	Doors Outside	Wood and Glass, 2'8" x 6'8"	"
0	Door Screens		
15	Window	Various Sizes	Good
0	Window Screens		
0	Window Blinds		
1860	Floors Interior Sq.Ft.	Unfinished	Good
182	Walls Interior Lin.Ft.	Plasterboard - Painted	"
X	Ceiling	" "	
100	Partition - Lin. Feet Lin.Ft.	Wood	
100	Partition (Finish)	Plasterboard - Painted	"

INSTALLED PROPERTY

List Electric Switches, Light Fixtures, Toilets, Lavatories, etc.

No.	Items
NONE	

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
9	Warehouse	9250 Sq.Ft. 37' x 250'	$11,693.00 (Lst.)

Built to Plan No.
Not Known

No.	Item	Description	Condition (Good,Fair,Poor)
0	Stoops		
574	Foundation Lin.Ft.	Concrete	Good
9250	Floor Framing Sq.Ft.	None - Concrete	"
574	Walls Framing Lin. Ft.	Wood	"
574	Walls Exterior	Wood	"
X	Roof Framing	Wood	"
X	Roof	Roofing Paper	"
0	Chimney		
0	Ventilator		
574	Paint Exterior Lin. Ft.	Painted Gray	Good
1	Doors Outside	8' x 10', Wood	"
0	Door Screens		
8	Window	4' x 5½', 9 Pane, 1 Pane Broken	Good
0	Window Screens		
0	Window Blinds		
9250	Floors Interior Sq.Ft.	Concrete, Unfinished	Good
574	Walls Interior	Unfinished	"
X	Ceiling	"	"
37	Partition - Lin. Feet Lin.Ft.	Wood	"
37	Partition (Finish)	Unfinished (Greater part of the South side adjacent to Spur track is open)	"

INSTALLED PROPERTY

No.	Items
NONE	

JOINT CONDITION SURVEY

Bldg. No. 10 Type Office Size 2,820 Sq.Ft. Cost $17,064 (Est.)

Built to Plan No. Not Known

No.	Item	Description	Condition (Good, Fair, Po
0	Stoops		
248	Foundation Lin.Ft.	Concrete	Good
2820	Floor Framing Sq.Ft.	Concrete covered with asphault tile	"
248	Walls Framing Lin.Ft.	Wood Frame	"
248	Walls Exterior Lin.Ft.	Wood	"
X	Roof Framing	Wood	"
X	Roof	Roofing Paper	"
0	Chimney		
0	Ventilator		
248	Paint Exterior Lin.Ft.	Painted Gray	Good
5	Doors Outside	Approx. 2'8" x 6'8", Wood and Glass	"
0	Door Screens		
36	Window	33 - Various Sizes. 3-Glass Brick	Good
0	Window Screens		
24	Window Blinds	Venetian Blinds - Wood	Good
2820	Floors Interior Sq.Ft.	Concrete covered with asphalt Tile	"
248	Walls Interior Lin.Ft.	Plaster	"
X	Ceiling	Wood and acoustic blocks	"
328	Partition - Lin. Ft. Approx.	Wood Frame	"
328	Partition (Finish) Lin. Ft. Approx.	Plaster and Glass Windows	"

INSTALLED PROPERTY

No.	Items	
2	Toilets, w/Tank	
2	Lavatories, Porcelain	
1	Urinal, Wall, Porcelain	(The condition of
1	Fountain, Drinking; Wall.	)opposite items is
1	Sink, Slop, Porcelain.	(good
6	Fixtures, Light, Aluminum Reflector Type.	
18	" " Plastic Bowl Type	
9	" " Glass Bowl Type	

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
11	Boiler Room and Shop	32' x 85' 2720 Sq. Ft.	$7,752.00 (Est.)

Built to Plan No.
Not Known

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
234	Foundation Lin. Ft.	Concrete	Good
2720	Floor Framing Sq.Ft.	Wood Planking and Concrete	"
234	Walls Framing Lin.Ft.	Steel	"
234	Walls Exterior Lin.Ft.	Galvanized Iron	"
X	Roof Framing	Steel	"
X	Roof	Galvanized Iron	"
2	Chimney	Steel Stacks	"
0	Ventilator		
0	Paint Exterior		
5	Doors Outside	1 Door Single 3' x 6'8", Iron Clad 2 Double Doors each unit of which is 4' x 10'.	Good
0	Door Screens		
24	Window	5' x 8', Steel Sash, 20 Pane. 2 Panes Cracked	Good
0	Window Screens		
0	Window Blinds		
2720	Floors Interior Sq.Ft.	Unfinished	Good
234	Walls Interior Lin.Ft.	Unfinished	"
X	Ceiling	Unfinished	"
50	Partition Lin.Ft.	Wood, Frame	"
50	Lin. Ft. Partition (Finish)	Unfinished	"

INSTALLED PROPERTY

No.	Items
5	Fixtures, Light, Fluorescent, 2 Tube, 48".
9	" " Glass Reflector Type
6	" " Metal Reflector Type

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
12	Carpenter Shop	10' x 16' 160 Sq. Ft.	$180.00 (Est.)

Built to Plan No.
Not Known

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
52	Foundation Lin.Ft.	Wood (On Skids)	Good
160	Floor Framing Sq.Ft.	Wood	"
52	Walls Framing Lin.Ft.	Wood	"
52	Walls Exterior Lin.Ft.	Wood	"
X	Roof Framing	Wood	"
X	Roof	Roofing Paper	"
0	Chimney		
0	Ventilator		
0	Paint Exterior		
2	Doors Outside	Approx. 3' x 7', Rough Wood.	Good
0	Door Screens		
1	Window	3' x 3', Wood Sash	Good
0	Window Screens		
0	Window Blinds		
160	Floors Interior Sq.Ft.	Wood	Good
52	Walls Interior Lin.Ft.	Unfinished	"
X	Ceiling	"	"
0	Partition - Lin. Ft.		
0	Partition (Finish)		

INSTALLED PROPERTY

No.	Items
	None

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
13	Experimental Laboratory	12' x 40' 480 Sq.Ft. Approx.	$1,134 (Est.)

Built to Plan No.
Not Known

No.	Item	Description	Condition (Good, Fair, Poor)
2	Stoops	3' x 4', Wood	Good
104	Foundation Lin.Ft.	Concrete Block	"
480	Floor Framing Sq.Ft.	Wood	"
104	Walls Framing Lin.Ft.	Wood	"
104	Walls Exterior Lin.Ft.	Wood, Siding	"
X	Roof Framing	Wood	
X	Roof	Roofing Paper	~~Good~~ Fair - needs repair
0	Chimney		
0	Ventilator		
104	Paint Exterior Lin.Ft.	Painted Gray	Good
3	Doors Outside	3' x 6'8", Wood, 5 Panel	"
0	Door Screens		
11	Window	Various Sizes, 3 Panes, Broken	Good
0	Window Screens		
0	Window Blinds		
480	Floors Interior Sq.Ft.	Wood, Unfinished	Good
104	Walls Interior Lin.Ft.	Plywood, Painted	~~Good~~ Fair
X	Ceiling	" "	~~Good~~ Poor
12	Partition - Lin.Ft.	Wood Frame	"
12	Partition (Finish) Lin. Ft.	Plywood Painted	" Poor

INSTALLED PROPERTY

No.	Items
None	

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
14	Storage Shed	30' x 60' 1800 Sq. Ft.	$2,700.00 (Est.)

Built to Plan No.
Not Known (Adjoins Building No. 2)

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
120	Foundation Lin.Ft.	Concrete	Good
1800	Floor Framing Sq.Ft.	None - Concrete	"
120	Walls Framing Lin.Ft.	Wood	"
120	Walls Exterior	Galvanized Iron	"
X	Roof Framing	Wood	"
X	Roof	Galvanized Iron	"
0	Chimney		
0	Ventilator		
0	Paint Exterior		
1	Doors Outside	Opening 10' x 12', No Door.	
0	Door Screens		
14	Window	Various Sizes	~~Good~~ Fair
0	Window Screens		
0	Window Blinds		
1800	Floors Interior Sq.Ft.	Concrete - Unfinished	Good
120	Walls Interior Lin. Ft.	Unfinished	"
X	Ceiling	Unfinished	"
0	Partition - Lin. Ft.		
0	Partition (Finish)		

INSTALLED PROPERTY

NO.	Items
	None

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
15	Platform and Shed	30'x50' Platform Shed, 8' x 10'	$880.00 (Est.)

Built to Plan No.
Not Known

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
36	Foundation Lin.Ft.	Wood (Shed)	Good
80	Walls Framing Lin.Ft.	" "	"
36	Walls Framing Lin. Ft.	" "	"
36	Walls Exterior " "	" "	"
X	Roof Framing	" "	"
X	Roof	Roofing Paper (Shed)	" Poor - needs repair
0	Chimney		
0	Ventilator		
0	Paint Exterior		
2	Doors Outside	Approx. 2½' x 7', Rough Lumber (Shed)	Good
0	Door Screens		
0	Window		
0	Window Screens		
0	Window Blinds		
80	Floors Interior Sq.Ft.	Wood - Unfinished (Shed)	Good
36	Walls Interior Lin.Ft.	" " "	"
X	Ceiling	" " "	"
0	Partition - Lin. Ft.		
0	Partition (Finish)		

INSTALLED PROPERTY

No.	Items
	None

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
16	Gate House	9' x 10'	$243.00 (Est.)

Built to Plan No.

Not Known

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
38	Foundation Lin.Ft.	Wood	Good
90	Floor Framing Sq.Ft.	Wood	"
38	Walls Framing Lin.Ft.	Wood	"
38	Walls Exterior Lin.Ft.	Wood	"
X	Roof Framing	Wood	"
X	Roof	Roofing Paper	"
0	Chimney		
0	Ventilator		
38	Paint Exterior Lin.Ft.	Painted Gray	~~Good~~ Poor
3	Doors Outside	2'8" x 6'3", Wood and Glass	"
0	Door Screens		
3	Window	30"X40", 1 Pane, Wood Sash.	Good
0	Window Screens		
0	Window Blinds		
90	Floors Interior Sq.Ft.	Wood, Unfinished	Good
38	Walls Interior Lin.Ft.	Plywood, Painted	"
X	Ceiling	Plywood, Painted	"
9	Partition - Lin. Ft.	Wood Frame	"
	Partition (Finish)	Plywood, Painted	"

INSTALLED PROPERTY

No.	Items
	NONE

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
18	Auto. Sprinkler Valve House		Not available

Built to Plan No.

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
	Foundation Lin.Ft.	Concrete	Good
	Floor Framing Sq. Ft.	None, Concrete	Good
	Walls Framing Lin.Ft.	Brick	"
	Walls Exterior Lin.Ft.	Brick	"
X	Roof Framing	Concrete Slab	"
X	Roof	Concrete Slab, Roofing Paper	"
0	Chimney		
0	Ventilator		
0	Paint Exterior		
1	Doors Outside	Iron Clad, 3' x 6'8"	Good
0	Door Screens		
0	Window		
0	Window Screens		
0	Window Blinds		
	Floors Interior Sq.Ft.	Concrete	Good
	Walls Interior Lin.Ft.	Unfinished	"
X	Ceiling	Unfinished	"
0	Partition - Lin. Ft.		
0	Partition (Finish)		

INSTALLED PROPERTY

No.	Items
	None

JOINT CONDITION SURVEY

Bldg. No. 19 | Type Shed covering Ammonia Storage Tanks | Size Approx. 15'x50' 750 Sq. Ft. | Cost $241.00 (Est.

Built to Plan No. Not Known

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
130	Foundation Lin. Ft.	Concrete Blocks	Good
0	Floor Framing		
130	Walls Framing Lin. Ft.	Wood Uprights for supporting roof only.	Good
0	Walls Exterior		
X	Roof Framing	Wood	Good
X	Roof	Roofing Paper	Good
0	Chimney		
0	Ventilator		
0	Paint Exterior		
0	Doors Outside		
0	Door Screens		
0	Window		
0	Window Screens		
0	Window Blinds		
0	Floors Interior		
0	Walls Interior		
X	Ceiling	Unfinished	Good
0	Partition - Lin. Feet		
0	Partition (Finish)		

INSTALLED PROPERTY

No.	Items
	None

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
20	Sawdust Storage Bunker	10' x 10' x 10'	Not available

Built to Plan No.
Not Known

No.	Item	Description	Condition (Good, Fair, Poor)
0	Stoops		
40	Foundation Lin.Ft.	Concrete Blocks	Good
0	Floor Framing		
40	Walls Framing Lin.Ft.	Wood	Good
40	Walls Exterior Lin.Ft.	"	"
X	Roof Framing	"	
X	Roof	Roofing Paper	Good
0	Chimney		
0	Ventilator		
0	Paint Exterior		
0	Doors Outside		
0	Door Screens		
0	Window		
0	Window Screens		
0	Window Blinds		
0	Floors Interior		
0	Walls Interior		
0	Ceiling		
0	Partition - Lin. Ft.		
0	Partition (Finish)		

INSTALLED PROPERTY

No.	Items
	None

JOINT CONDITION SURVEY

Bldg. No.	Type	Size	Cost
21	Oil House	7' x 9'	Not Available

Built to Plan No.
Not Known

No.	Item	Description	Condition (Good,Fair,Poor)
0	Stoops		
32	Foundation Lin.Ft.	Wood	Good
63	Floor Framing Sq.Ft.	Wood	"
32	Walls Framing Sq.Ft.	Wood	"
32	Walls Exterior Lin.Ft.	Galvanized Iron	"
X	Roof Framing	Wood	"
X	Roof	Galvanized Iron	"
0	Chimney		
0	Ventilator		
0	Paint Exterior		
1	Doors Outside	Iron Clad, 3' x 6'8",Fire Door	Good
0	Door Screens		
0	Window		
0	Window Screens		
0	Window Blinds		
63	Floors Interior Sq.Ft.	Wood, Unfinished	Good
32	Walls Interior Lin.Ft.	Unfinished	"
X	Ceiling	"	"
0	Partition Lin Ft.		
0	Partition (Finish)		

INSTALLED PROPERTY

No.	Items
	None

OK

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
3	Electric heaters, portable, 1250 watt, 115 volt		
4	" " " 3000 " 230 "		
5	" " " 2000 " 230 "		
4	" " " 1500 " 230 "		
2	Wheel Barrow, Steel, Rubber Tired	1754 & 1250	
	Activator, Steel Cylinder (Elect Furnace) 60Ft. rotary kiln, 104" Diameter, 3 sets cradles bearings, refractory lined, complete with feed unit,	CWS 1071	
	Fittings for introducing steam into activator for activating carbon	CWS 1072	
1	- Drive unit w/speed reducer driving gear and motor		
4	Pyrometers, alnor)Picked up from Carlisle	1140-1141-1142-1143	
1	Conveyor screw type)on cont. W1300 CWS 94 on Mar 31, 1943 Voucher 5197/3	CWS 1126	
	Motor, G.E. Model 5K *G 445JHI Frame 445 Type KG 440V - 60 CY - 3 PH - 30 HP - Serial #5584194 880RPM	1073	
	CONTROLS - Allen Bradley, Magnetic resistance starter, type 740 Serial #404980	1074	
	Reduction & drive gear - Western Gearhead frame OD 608 Serial #264 Pinion Speed: 300 rating: 30-300 HP	1075 1076	
1	Blowers, Gas w/argo fan (Blows Carbon into KILN) w/motor serial #CW 4862 MODEL #5K224B76 3450 RPM	1079 1080	
1	Blower, air w/argo fan (Blows air into Activator Serial #3625	1077	
1	Motor, G.E. Model 5K225B54 220/440V - 3PH - 60CY - 3460 RPM 5 HP - Serial 5617009	1078	
1	Conveyor Screw type discharge 6 Ft. long (less motor)	1126	
6	Pyrometer, alnor #36046A-36047A-36048A-36049A	1144-45-46-47-48-49-50	
1	Feeder, syntron & control (used for feeding charcoal at constant rate from cooler into screw conveyor vibrator type with rectifier Type FOC Serial #18C17106	1082 1083 Control	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
1	Bin feed, syntion	1084	
1	Flowmeter & recorder, Bristok, steam Model 1140M Serial #F 1549 110V - 60 Cy - F-10,000 Chart No.	1085	
1	Switchboard Control Panel Trumbul Serial #70247P	1098	
1	Voltmeter, G. E. Serial #1184666 0-600 Amps	1094	
3	Ammeters, G.E. Serial #1169989, 1170125, 1168005 0-2000	1090-91-92	
1	Watt Hour Meters, G.E. Type B3S Ser. #2039303H, #21121777	1096	
	Air Valve - Asco, Serial No. SE 763 Type PFA Max Pressure 150 lb. 110 Volt	1746	
	Apparatus, Canister Testing	5-4a-3	
2	Apparatus Canister Testing E-2 Includes (2) Mixing, Anolyzing units (2) Intermintent Breather Pumps (2) Spare Parts & accessories Serial No. 11&16 " " 13720	None	
3	Apparatus, Canister Testing E-2 Intermittent Breather Pump Spare Parts and accessories	2749-2781-2787	
	Apparatus Test, Arsine Absorption	1597	
	Apparatus, Arsine Absorption Test Serial No. 30	1986	
	Apparatus, Phosgene Tube Machine	1987	
2	Apparatus, Chloropecrin Absorption Test Serial Nos. 47 & 49	1988-1989	
	Apparatus, Hydracyanic/Acid Absorption Test Serial #38	1990	
	Apparatus, Cyanogen Chloride Tube Machine	1991	
	Apparatus, Equilibrator, Charcoal	2407	
	Apparatus, Equilibration, Charcoal	2600	
2	Apparatus, Chemical Container, Filling, E-10	2615-2616	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
1	Rotameter - 20", Fischer & Porter Co. Phila. Pa. Serial number 095333	5303	
1	Rotameter - 20", Fisher & Porter Co., Phila. Pa., Serial number 095335	5397	
2	Ammonia Piping Assembly for one Whetlerite Unit	None	
	Bag closing machine with stand sewing head style #806002 tape bound closing w/attachment No. 21884C. Union Special Machine Co.	1157	
	Balance, Analytical Serial No. B29631 Christian Becker Charnomatic With (1) set of weights. 100 mg. to 50 grams	1280-1281	
	Balance, Analytical, Charnomatic #IF3141 With (1) Set Metric weights (CWS 1969) Style No. 818 - 100 grams to 100 mg. Siederer-Kohbusch Inc.	1945-1969	
	Balance, Triple Beam With (1) set of weights. 1 to 1000 grams Welch Scientific - Mfgr.	1269-1271	
	Balance, Triple Beam With (1) set of weights. 1 to 600 grams Welch Scientific - Mfgr.	1270-1272	
2	Balance, Triple Beam 0-111g W.M. Welch Scientific Co.	1946-1947	
	Balance, Triple Beam With (1) Set Metric weights. 500 g to 1 g. W.M. Welch Scientific Co.	1948-1949	
	Balance, Analytical, Chainomatic B 29968 With set Metric weights, 12650, Img., 100gm And balance cover #12575 Christian Becker Inc.	1966-1967-1968	
	Balance, Triple Beam With extra weight and balance spring	5-4d-7 & 5-4d-8	
	Balance, Triple, Double Beam With set of weights	5-4d-5 & 5-4d-6	
	Barometer, Mercury	5-4d-10	
	Basket, Walnut (Waste paper basket)	1354	
	Bench, Steel Topped w/drawers 36" x 32" x 8'	1764	
	Bin, Sawdust (wood) with cyclone steel sawdust collector 10 Ft. square with hopper bottom	1013	
	Bin, Briquet 6 Ft. x 10 Ft. x 10 Ft. (North Bin)	1001	
	Bin, Briquet 6' x 10' x 10' (South Bin)	1002	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Bin, Storage - Steel 25' Long 4' Wide 8' High Stands on steel frame 10' above floor with (2) screw conveyor (a) stock bin feed (b) stock bin discharge (Less motor - conveyors run from motor CWS tag 1081)	1067-1068-1069	
10	Blast Gates Butterfly type 10 Inch diameter W. S. Rockwell Co., New York	0316 0318 (2) 0322 (2) 0338 0340 (2) 0344 (2)	
	Blender, Conical Dray, 7'6" diam. at girth Total volume 192 cu. ft. Complete w/electric motor and control Master Electric Style 121220 Type PA - Frame 326 - 15 HP - 1780 RPM; 220/440 V. - 60 Cy. 38-19 Amps. - Serial #QG55	1491	
	Block, Triple w/Becket. 1" Rope, Lignumvitae Sheaves Loose Side Hooks.	1424	
2	Blocks, Double/ w/Becket, 1" Rope, Lignumvitae Sheaves Loose Side Hooks	1425-1426	
	Block, Switch w/Becket, 1" Rope, Lignumvitae Sheaves Loose Side Hooks	1428	
	Block, Single w/Becket 1" Rope, Lignumvitae Sheaves Loose Side Hooks	1427	
	Block, Yale Spur Geared Block Model BB 5-Ton Yale & Towne Mfg. Co.	1727	
	Blower, American Type F Size 4 No. 4-A-1 With Motor Attached G.E. Motor Model 5K225B54 Frame 225 5HP 14.4/7.20 Amps. No. KX17298 Mfgr - American Blower Corp. GENERAL ELECTRIC MAGNETIC SWITCH CR - 7008 - A1A Catalog - 4386954 G104 Volts - 440 Cycle - 60 GENERAL ELECTRIC PUSH BUTTON STATION CR - 2943 A 200 A Max. Volts - 600	0390	
1	Blower, Industrial, Centrifugal, size No. 25, Manufactured by B.F. Sturtevant Co. Boston, Mass, Design No. 4, steel plate planing mill exhauster No. 367121. Equipped with 1 1/4" Fafnir Ball Bearings. Includes: 15'4" long x 10" in diam. Spiral-welded pipe/ Complete with 2 sheive V Belt drive and motor, Mfgr. - Louis Allis, 5HP, 220/440 volts, 60 Cy., AC 3PH, 1750 RPM, Type JS Form , Frame #254, Serial #353354, Class N, CWS #5065, 13.6/6.9 amps	5064	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	(Continuation of preceding item)		
1	Indicating thermometer mounted in pipe 50 degrees to 400 degrees F, manufactured by Consolidated Ashcraft, Hancock Co., Bridgeport, Conn.		
1	Cutler Hammer, motor control, Serial No. 9586BH1098B, 208/220 V, 60 cycles, maximum HP rating 5, 2 or 3 phase.		
1	Blower, Industrial - Centrifugal, size 4, type F, CWS#5076 Serial #59004 19" S.P., 3450 RPM, manufactured by American Blower Corporation including the following but without stack: Used w/Recovery Tower #15356 (a) 1-Motor, electric, General Electric, 3 HP, 220/440 V. 3450 RPM, AC, 60 Cycles, Model 5K284C860 Serial #KV-3023, Frame #284, CWS #5077 (b) Approximately 6' of 6" diameter spiral welded pipe with flanges & fittings. (c) 2-Manometers, 20" C.D., & type, graduations 0-10 (plus and minus), manufactured by Meriam Company, Cleveland, Ohio. (d) 1-Thermometer-40 degrees - 240 degrees F, manufactured by Consolidated Ashcraft Hancock Company, Bridgeport, Conn. End Item: ASC Whetlerite		
1	General Electric Motor Starting Switch - CR1062-C5, Catalogue #4981891, Maximum motor rating 2 or 3 phase 3 HP, 110 V - 5 HP, 220 V - 7½ HP, 440 V Single phase 1½ HP, 110 V - 3 HP, 220 V - 7½ HP, 440/600 V Remarks - Used 30 months at Barnebey-Cheney Engr. Co. Columbus, Ohio.		
1	Blower, Industrial - Centrifugal, size 4, type F, Serial #59004, capacity 350 CFM - 19" S.P. - 3450 R.P.M., Manufactured by American Blower Corp. Used with Recovery Column #15382. Equipped with the following but without stack: (a) 1-Motor, electric, 3 HP 220/440 V. 3450 RPM, AC, 60 Cy. Ser. #KU-3022, Frame #284 (Totally enclosed)	5162 CWS CWS #5163	
	(b) Approximately 6' of spiral welded pipe 6" diameter with flanged fittings. (c) 1-Manometer, U type, 20" C.O. graduated 0-10 (plus & minus) manufactured by Meriam Co. Cleveland, O. (d) 1-Manometer, U type, 20" C.O. graduated 0-10 (plus & minus) with rubber tubing, (e) 1-Thermometer 40 degree - 240 degree F, manufactured by Consolidated Ashcraft Hancock, Bridgeport, Conn.	CWS #15398	
1	General Electric starting switch, CR1062-05, Catalogue number 4981891. Maximum motor rating 2 or 3 phase 3 HP, 110 V., 5 HP, 220 V. - 7½ HP 440 V - single phase 1½ HP, 110 V., 3 HP, 220 V - 7½ HP 440/600 V.		

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Blower, Rotary Positive Pressure With Silencer and Filter Type AFS Size 44 Serial #4210-32 with Crocker Wheeler Motor Type SC Size CFC 225 1750 RPM Amps 5.0 - 2.5 2 HP 220/440 V, 60 Cy General Electric Switch - CR-7008 - A1A Catalog #4386954G104, 440 Volts - 60 Cycle General Electric Push Button Station CR - 2943A200A, Max Volts 600	0356	
	Blower, Rotary Positive Pressure with silencer & filter Type AFS Size 44 Serial #4210-34 With motor attached Crocker-Wheeler Type SC Size CFC 225, RPM 1750, Amps 5.0-215, HP 2, Volts 220/440 60 cy Boots, Connersville Blower Corp, Connersville, Ind. General Electric Switch CR-7008-A1A Catalog - 4386954 G104, 440 Volts, 60 Cycle, General Electric Button Station CR-2943A 200A Max. Volts - 600	0332	
	Blower, Steam, Western Mfg. (Used to blow sawdust into burner) Circulator Heater size 400 Order #50322 With Fairbanks Morse Motor (to drive blower) Frame FW 225 - 3400 RPM - 3 PH - 440 V - Serial #366912 Cutler Hammer Motor Control - Type 9586H 2458A	1756-1703	
	Blower, Root (Gas Pump) (Less Motor) Root Blower Corporation	1453	
2	Blowers, Exhaust, Sirocco Size #1-1/4	5-1-10a & b	
3	Blowers, Exhaust, Sirocco Size #1-1/2	5-1-11a,b & c	
	Boiler, Steam, Vertical Fire Tube With Oil Burner and Feed Boiler Control Johnson Oil Burner - size 4½ - Serial #63987, Westinghouse motor - Serial #FL Style #475376, 3/4 HP - 3450 RPM 60 Cy - 3 PH - 440 V., Minneapolis - Honeywell Modutrol With G.E. Push Button control and starter control #CR706DH40H	1897	
	Boiler, Steam, Vertical Fire Tube, 110 HP With Oil Burner & Automatic feed boiler control Johnson Oil Burner, size 4½ Serial #64037 Westinghouse Motor - Serial #FL Type CSA - 3/4 HP - 3450 RPM; 60 Cy; 3 PH; 440 V., Style #475376 With Minneapolis Honeywell Modutrol Type M904E102 with G.E. Push Button Control and Starter #CR7063J40H Mfgr - Washington Iron Works	1896	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
2	Bombs, Part, Chlorine Includes: (4) Cups (4) Tops (1) Stirrer (1) Wrench & Bomb Holder (1) Bomb Shield	1959-1960	
	Bookcase, Wood, Sectional Glass front	5-2-4	
	Bookcase, wood 49 x 70 x 13 Inches	1297	
	Bookcase - With Glass front	1917	
	Brake, Bending - Chicago Steel Size 416 - Serial #45678 Dries and Krump Co.	1163	
	Cabinet, Steel, 28" x 41" x 10"	1765	
2	Cabinets, File, Grade C (1) W/lock (1) Plain	1582 - 1583	
	Cabinet, Sliding door Kewaunee #S-1323 Glass front - wood structure Approx. 6' high 4' wide, 1' deep	5-1-2	
2	Cabinet, Sliding Door, Kewaunee #S-1318 Glass front - wood structure Approx. 6' high, 4' wide, 1' deep	5-1-1a & b	
	Cabinet, Blueprint Wooden 24" x 35" x 14"	1769	
	Calciner (electric furnace) steel cylinder refractory lined 65 Ft. long - 10¼" Diameter 3/4" shell 250 KVA capacity Includes:		
1	Premeder - gas, venture type		
1	Motor drive w/speed reducer & driving gear Westinghouse, type CS - frame W445 30 HP - 874 RPM 3 PH - 60 CY 220/440 V., style EM 9133, Serial #1EM2839, with allen Bradley Resistor Type Starter 30 HP - 440 V - 60 CY - 3 PH, Serial #404981 Type #740	1059	
1	Speed reduction gear	1061	
1	Driving Gears	1062	
1	Cooler rotary steel cylinder w/motor & motor control 30 Ft. Long - 48" diameter with 33 ft. screw conveyor	1063	
	Motor: G.E. Model 12F75 220/440V - 3 PH - 60 CY - Frame 254Y Type K - 1735 RPM Serial #5531453 G.E. Magnetic Switch #CK7006 040A	1064	
5	Pyrometer, alnor	1140-41-42- 43-44	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
1	Switchboard control panel, trumbull Elect. Mfg. Co. Mfrs No. 72047P Includes:	1097	
1	G. E. Voltemeter 0-300 Amps Serial No. 1176744	1093	
2	Ammeter, G. E. 0-1500 Amps Serial No. 1170675 - 1170176	1088-1089	
1	Watt hour meter G.E. type V-35 Ser. #20393034	1095	
	Chevrolet Dump Truck, 1½ Ton Motor No. GM 54-337231-9	None	
	" General Motors - Mfgr.		
3	Chairs, wood, stenographers	1357-1358-1360	
2	Chairs, desk, wood, with side arms	5-2a & b	
2	Chairs, Metal (Tilt)	1355-1356	
	Chair, Posture, Brown Leather	1349	
2	Chairs, Armchair, Brown Leather	1351-1352	
	Chair, Side, Oak	1382	
2	Chairs, straight back, wood	1293-1294	
2	Chairs, Swivel, wood	1291-1292	
	Chair, straight backed, wood	1578	
	Chair, Swivel, wood	1918	
	Chair, Stenographers, wood	1919	
4	Chairs, straight back, wood	1920-1923	
	Chair, Side, wood	1972	
	Circuit Breaker, Oil, Westinghouse 300 Amp. - Calciner 25,000 V, 2 Pole, single throw - With direct current operating Solenoid, 70-140 volts, including 1 direct current contactor and 1 - Mallory 220 V alternating current input rectifier.	1637	
	Circuit Breaker, Oil 600 Ampt - 34,500 V; triple pole, single throw Kelman Outdoor motor - operated - No. 37-LF2 Complete with alternating current motor and alternating current triple coil No. 292	1638	
2	Clocks, Electric	1604-1605	
	Compressor, Ingersoll Rand Class N 1 Serial #19860 Air Cylinder 8 dia. x 8 stroke - Westinghouse motor 30 HP - 3 PH - 440 V - 60 Cy - 646 Frame Style 243030B - Serial #2637429 With Westinghouse Auto Starter Style #290478	1898	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Compressor, Ingersoll Rand Serial #23943 - Air Cylinder 10 dia. x 12 Stroke Westinghouse Motor - 50 HP - 440 V - 60 Cy - 3 Ph - 1160 RPM Style 271820 - Serial #2591664 G.E. Starter - 50 HP Manual Starter	1899	
	Condenser, Serial #856, Vertical Cylinder, 8' long 18" diameter - Mfgr - Acme Boiler & Tank Co., Seattle, Washington (Cools vapor for recovering amonia)	1323	✓
	Controller - Temperature #4041-15 w/type H Drive Unit W/Bodine motor type HNSI-12-R (built in) 220 v, single phase, 60 cycle motor 502708 Used with Drier #5058 Mfgr - Foxboro Co., Foxboro, Mass.	5154	
1	Control - Electric Draft Automatic, type 3-AA156, 110 Volts, 60 cycles. Including: "Shutter type" damper at bottom of drier furnace and all necessary damper attachments. Used with Drier CWS Tag #5058 Mfgr - Automatic Temperature Control Co.	5151	
1	Column, copper dissolving, 24" dia., 10'4" high, with the following: Barnebey-Cheney Eng. Co. 2-1½" suction valves 1-1½" discharge valve 1-2" discharge valve 2-1" Drain valves 2-1" Air valves complete with fittings 1-Liquid level gage The above valves mfg. by Nordstrom End Item: Whetlerite ASC	15362	✓
1	Column, copper dissolving, 24" dia., 10'4" long, equipped with: 2- 1½" suction valves; 1-1½" discharge valve; 1-2" discharge valve; 2-1" drain valves; 2-1" air valves and connecting fittings; 1-Liquid level gage. The above valves mfg. by Nordstrom Mfgr - Barnebey-Cheney Eng. Co.	15363	✓
1	Column - Recovery, 3' 6" dia. 19' long, provided with gas scrubbing section & copper scrap area. 1/4" steel plate, welded construction. Complete with fittings, supports and the following accessories: 1 - Manometer, mfg. by Connelly Iron Governor Co., Chicago, Ill. 1 - Feed Chute, manufactured by W.S. Rockwell Co. End Item: Whetlerite ASC Mfgr. - Barnebey-Cheney Eng. Co.	15356	✓
1	Column - recovery. Column is 3'6" dia, 19' long, provided with gas scrubbing section & copper scrap area. 1/4" steel plate, welded construction. Barnebey-Cheney Dwg. #30543-G. Complete with supports, fittings and the following accessories:	15382	✓

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION

(Continued from preceding item)
1 - Manometer, manufactured by Connelly Iron Governor Co. Chicago, Ill.
1 - Feed chute, manufactured by W. S. Rockwell Co.
1 - Blower & equipment as described on sheet #2

Condensor, Ross - Length - 11' 0" Diameter - 17½"; Mfgr - Ross Heating & Equip. Co. As shown on Ross Heating & mfg. Co. Dwg. No. U-56343-A01-1 — 0321

Condensor, Ross - Length-11' 0"; Dia. - 17½" Mfgr - Ross Heating & Equip. Co. As shown on Ross Heating & Mfg. Co. Dwg. No. U-56343 - A01-1 — 0344

1 Conveyor, Screw, for Drier, Discharge, B.C. Dwg. #30152-G, enclosed 4" spiral in 10 gage steel trough x 6' long with motor, CWS #15359, Master Electric, ½ HP, 220/440 V., RPM 1725, AC, 3 PH, Ser. #QG3936, Style 69683, Type P.A., Frame #7420 (Totally enclosed Master Gearhead Motor 60 cy, 1.6 amps. at .8 R.P.M. counter shaft R.P.M. .58) Conveyor mounted on 25 degree incline on 2" x 2" x ¼" angle iron supports, welded. Used with Drier #5058 Mfgr - Jeffrey Mfg. Co. Columbus, Ohio
1 - Motor starting switch, General Electric, CR 1062-B7, Cat. #4981888 Max. motor rating 1½ HP, 110 V, 2 HP, 220/660 V 2 or 3 phase — 5067

Conveyor, Screw & Hopper Feeder Ser #128778 No. 25 Reeves Vari-speed motor Pulley - Syntron Vibrator V9, Style 1425 No. 12V49429, Control, VCR15 Style 4253A No. 12C4932A G.E. Motor, Type K, 1/2 HP Model 5K63AC413A, Speed reducer. D.O. James
High Speed 20 RPM Slow Speed 1RPM. Size 31HT. No. 66274 Starting Switch G.E. Magneter #CR7008A1A Catalog No. 4386954 G104 Push Button Station. General Electric; Spiril Feeder, 3 Ft. long, 4 in. dia. Hilicord driven thru chain drive
(1) Impregnating Screw Drawing No. 35035 Jeffrey Mfg. Co.
(1) Gear, Bevel CWS 0316
(1) Valve, Lunkenheimer cut off valve 350 GLP, 1 IN, Pipe connection
(1) Glass Pipe, 10 IN. long, 3/4" connection
(1) Complete lot of Steel Piping. — 0315

Screw Conveyor & Hopper Reeves Varispeed Motor Pulley, Serial #128778
(1) General Electric Motor - Type K, ½ HP, Model 5K63AC 413A
(1) Speed Reducer - Speed High 20 RPM; Speed Low 1 RPM; Size 31 HT No. 66274
(1) Spiral Feeder - Length 3' Dia. 4" Helicord driven thru chain drive — 0337

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	(Continued from preceding item) (1) Syntron Vibrator Type V9 Style 1425 110 Volts Serial #12V49432 (1) Syntron Elect Controler Type VCR9 Style 4259A 110 Volts Serial #12C49467 (1) G.E. Magnetic Switch CR 7008 A1A Catalog #4386954G104 (1) G.E. Push Button Station CR 2943A 200A Max Volts 600		
	Conveyor, Triple Chain - 80' long - 6" wide, w/U.S. Syncrogear motor - 3 HP - 1200 RPM - Type G.D. - Fram 54-4-40 - Serial #259710 30 RPM Countershaft. Mfgr - Link Belt	1054-1055	
	Conveyor, screw type, stock bin to activator 15' long w/motor, Master, Serial #NJ1840, Style #106039, 2 HP - 3 PH - 60 Cy - 440 V. 1800 RPM, 96 RPM countershaft (reducer) (feeds into activiator) This motor also runs conveyors CWS Tag 1068-1069	1081-1070	
	Conveyor, Elevator Type - 25' long w/motor and reduction gear (1) Master Gearhead Style No. 69696 Serial N96207 Type P.A. Frame 204 - 1 HP 60 CY - 3 PH - 220/440 V. 1725 RPM	1009	
	Conveyor, elevator type 25' long w/motor and reduction gear (1) Westinghouse Motor Frame 204, Style EM 7256, 1 HP - 60 CY - 440 V - Serial #1EM2041 1725 RPM - 87 RPM reduction gear	1007-1008	
	Conveyor, roller, 7 feet	1748	
	Costumer, wood	1295	
	Costumers, stand	1877	
4	Costumers, wood	1931-1934 Incl.	
	Crusher, Jaw, Saw Tooth, Size #10, Shop #1512 G.E. Motor, Model 5K284A164, 440 V - 3 PH - 60 CY 1150 RPM 5HP #AX17867 (Used for crushing charcoal when it come out of furnace w/switch (magnetic) #CR 7006 - D 40 A	1109-1110	
	Crusher, secondary - Ironclad - Size # 2-5 Shop #1500 (less motor) Mfgr - Robinson Mfg. Co.	1117	
	Crusher - 4 roll type w/motor - Mfgr. Wagner Mfg. Co. (1) Master motor, Serial #NL9980, Style 102887, 2 HP - 60 Cy - 3 PH - 440 V - 1725 RPM (1) Master motor, Serial #NK 16743, 3 PH - 60 CY 440 V - 3 PH - 1725 RPM Rack motor has a G.E. magnetic switch.	1133-1134 1135	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Crusher, w/2 screens (1) Screen 1/8" (1) Screen 1/4" - Mfgr. J. J. Ross Co.	1206	
4	Crushers, Corn - Mfgr. Jacobson 6 x 14	1722-1725 Incl.	
	Crusher, Corn, Jacobson - 6 x 20	1726	
	Crusher, Corn, Jacobson 22" x 4" opening x 8" diameter. With motor - U.S. Elec. 7½ HP; 1300 RPM	1893-1894	
	Cutter, knife, revolving, Jacobsen Mfg. 4 x 20	1158	
2	Desks, walnut (line) Executive type office.	1376-1379	
	Desks, walnut (stenographers)	1363-1364 1370	
	Desk, walnut, 66"	1350	
	Desk, wooden 36" x 50" x 43"	1768	
	Desk, oak, office - Flat top - double pedestal. 32" x 60" x 30½"	1915	
	Desk, stenographers, wood, 41" x 34"	1916	
	Desk Oak, Flat top double ped. 32" x 60" x 30½"	1962	
	Desk, Typist, Wood (Pedestal)	1971	
	Desk, Flat Top, Double, Wood	5-2-1	
	Desk, Executive, wood	1970	
3	Desks, Pedestal, wood, typist Mfgr - Southern Desk Co. Carolina	2178-2179 2180	
	Drill, Bench w/motor 1/2" With Walker Turner Drill, Serial #9DP140 Walker Turner Motor - 1/3 HP - 60 Cy - 110 V - Single PH. Type SAB3 - Frame 115D Serial #634990 Mfgr - Walker Turner	1737	
2	Desks, officer, wood	1289-1290	
	Drill, Electric, Radial, Prentice, Single Spindle 3' height 2" Bit - 36" Radius, U.S. Motor - Serial #228735, Frame 225-3, 3 Ph - 60 Cy - 1200 RPM - Type SC - 2 HP - 220/440 V	1738	
	Drill, Pedestal Type, 1/2" Walker Turner Mfgr. 1/2 HP - Single PH; 110 V; 60 Cy. Type SAB5 - Frame 118, Serial #560982	1739	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Drill w/motor. $\frac{1}{2}$ Inch, Black & Decker "Junior" Motor No. 240394	1829	
	Drill, Electric $\frac{1}{4}$" Bench type. Black & Decker Serial No. 995851	2032	
1	Drier, Rotary, Industrial - Rotating shell type, 38" diameter x 20' long, type L, indirect, with extension which makes drier a total of approximately 50' long. (Extension described below). Dwg. No. A4550B, Part No. A1556. Equipped with the following but without built up refactories: (but includes all steel framework of furnace.) Louisville Drying Machine Co. a. Thermocouples b. Feed Hopper-(mounted on drier at feed end). Mounted on feed hopper is an Indicating Thermometer 50° - 400° F. Manufactured by Consolidated Ashcroft-Hancock Company, Bridgeport, Conn. c. Wylo-lite insulation d. Two (2) Sets of Supports for cylindrical furnace (Rotating Shell) section (1 set on each end). Each consists of two 12" diameter x $4\frac{1}{4}$" face wheels mounted on 2" shaft with take-ups. Between the two wheels is mounted a 10" diameter x 2" face guide wheel. e. One (1) Drive Mechanism consisting of: 1 - Electric motor, Louis Allis, 3 HP, 220/440 V, 60 cycle, 3 phase, 1750 RPM, AC, Frame #225, Serial #340344, CWS #5060. w/Cutler Hammer Switch #95-86H-10388,208/220 V.,60Cy.,Max.HP rating 5,2 - 3 phase. 1 - Falk Speed Reducer No. 34-DZ, ratio 41.9-1, out put speed 41.9, C.W.S. #5059. 1 - Approx. 8' length of 1" pitch double roller chain. 2 - Double roller chain sprockets 1 - Counter-shaft, 2" x 52" long mounted on plain sleeve bearings 2 - Spur gears (1 large gear mounted around rotating shell - 1 small drive gear) f. Equipment as described on sheets 3 - 7 inclusive.	5058	
1	Extension for Drier, CWS #5058 (Unit B) Extended Drier to approximately 50' length. Combustion chamber rebuilt and piping and connections rearranged to conform to increase length. Extended section, general layout and feed inlet or vapor head as shown on Barnebey-Cheney Dwgs. 30753-G, 30727-G, 30730-G, 30746-G. This property carried under the original property number assigned to drier Pgh. CWS 5058. Mfg. - Louisville Drying Mach. Co. Louisville. End Item: Whetlerite - A.S.C.	(5058	
	Dryer, Charcoal Jeffrey, Jeffrey Dwg. #35035, W/G.E. Gear Heater Frame K2243352, Ratio - 132.3 to 1 G.E. Induction Motor Frame 224, Type K Model 1LM L352RAL4 60 Cycle 3 PH 220/440 V, Code L No. MX20797; (2) Chain Guards (1) Steel pipe Length $25\frac{1}{4}$" - 8" Dia. (1) Steel pipe Length 162" - 8" Dia. (1) Steel Elbow 12" Dia. 90 Degree (1) Steel Elbow 10" Dia. (2) Steel "L" Pipe 8" Dia.	0317	

ITEMS	DESCRIPTION	PROPERTY NO.	CONDITION
	Dryer, Charcoal, Jeffreys, As shown on Jeffreys Dwg. No. 35035 sheet #1 (2) Chain Guards (1) G.E. Gear Motor, Frame K224 B352 (1) G.E. Induction Motor Ratio: 132.3 to 1. Frame 224; Model 1AWL352RAL4 Cycle: 60, 3 Ph; 220/440 Volt; Type K; Code L; Serial No: 4839317, 1/2 HP (1) G.E. Push Button Station CR 2943A200A Max Volts - 600 Mfgr - Jeffrey Mfg. Co.	0339	
	Dryer, Rotary as per Bartlett & Snow Dwg. #88-71, 9763-5 & 9763-22 (Less built up refractories) (1) Oil Burners, North American No. 220-2 (11) Copper Tubing (1) Flame unit - Brown Protestglo #73361 (1) Cuno Oil Strainer (1) Rotrotral Oil, air, Complete with Pressure gages (10) Blast Valves (1) Cash oil pressure regulator (1) Atmospheric regulator & air valve (1) Nother American adjustable part Air valve D-4 (1) Griplek air-oil safety shut-off valve (1) Lot of Manifold piping (1) Turbo Blower, North American No. 312012 (1) G.E. Induction Motor, fan cooled, totally enclosed Model 5K24B80 Frame 224 Volts 220/440 RPM 3450 Code J HP 2, Serial #EK 14615 (1) Steel Steps (1) Complete lot of duct piping (consisting of 9 pieces) (1) Lot of Manifold piping with: (10) Brown solenoid valves #437A (10) Valves (2) Butterfly Valves (1) Brown Feed Pipe (11) AB Push Button Stations (10) Ignition Transformers (10) Minneapolis Honeywell M.H. Controls (1) Brown Proctest Glo Combustion Safeguard	0175	
	Dryer, Rotary (Louisville Drying Machine Co.) Serial #10625, 28' Steel Cylinder, 38" diameter	1308	(1) Junction Box
	1 - Oil Burner, Ray Type A P-11, size 10 - Serial #95782 - $\frac{1}{4}$ HP Westinghouse Motor 440 Volt - 3 Ph. - 60 Cycle - 3450 RPM - Style #800563X - Serial #FJ Automatic Temperature Control (damper) - Type 2 AA15X - Serial #A13169 Type 2 AA15X - 110 Volt - 60 cycle - With G.E. Magnetic Switch	1313	
	1 - Motor and Drive Unit for Dryer Louis Allis Motor - Type J.S.; Frame 225 - Form R - 3 HP - 1750 RPM - 220/440 Volt - 3 Ph - 60 Cycle - Serial #363146 - With General Electric Switch	1309	
	1 - Motor Reducer, Falk - Size 34DZ - 1750 to 41.9 RPM Serial #MO 13394		
	1 - Controller, Wheeler Capacitrol for Dryer (Temperature Controller Serial #2-17731		
	1 - Pyrometer Recorder Foxboro, Serial #C68578	1328	
	1 - Controller Foxboro Potentrometer Serial No. C67159 - Model 40A1-5 With Controller (Cont'd.)	1329	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	(Continued from preceding item) Motor, Foxboro, 110 Volt - 60 Cycle - Serial #55203 - Type RMS112R	1330	
	1 - Exhaust Fan Sturdeyvant - Serial #369832 - size 25 - Design 4 With motor - Louis Allis - Type JS - Frame 254 - 5 HP - 1750 RPM 220/440 V - 3 Ph - 60 cycle - Serial #401062	1310 1311	
	1 - Combustion Chamber (Made of brick)	1312	
2	Drying ovens, Precision 35 - 260°C Precision 140°C	1951-1952	
	Dust Collector, Wet type, Whetlerite (as shown on Louisville Drying Machine Co. Drawing #A-6013, Oreder No. 10708) Louisville Drying Machine Company	0320	
	Dust Collector, wet type Whetlerite as shown on Louisville Drying Machine Co. Dwg. No. A-6013 (1) Lukenheimer Valve (Main Valve) (2) Lunkenheimer Valve GLP - 350 (1) Glass Gage (2) Monorails & supports No. 424 Standard American Truss Rail Length 21' 0" Misc. Valves Unions, elbows, pipes & fittings (2) Pressure Controlling Valves Type A-11520 Initial Pressure - 125 Pounds Reduced Pressure - 30 Pounds (2) Monometers - 20 Inch Length (2) Monometers - 15 Inch Length (6) Monometers - 10 Inch Length (24) Thermometers, Ashcroft 240 Degree (4) Thermometers, Ashcroft 400 Degree Lot of assorted lengths of ammonia piping Lot of drain piping Lot of Steam, water & gas piping	0342	
	Dust Scrubber, Serial No. 10625 Steel stack - 12' high w/sledge steel tank on bottom (used to remove dust from vapor when it comes from dryer before it hits condenser) With Solution Pump - Centrifugal And Motor for Pump: - G.E. G.E. Frame #204 - Type "K", Model #5K204A1045 - 3 Ph. - 60 Cycle 220/440 V. - 1725 RPM - 1 HP	1305-1306- 1307 1306 1307	
	Dust Collector w/fan and motor with dust cyclone Bin #1157; Fan: Argo Blower and Mfg Co. - Size 35 Shop #3639; Motor: Fairbanks Morse, Type 2SSC, Serial #411504 - 15 HP - 3 PH - 60 CY - 1740 RPM 440 V Control: Allen Bradley Magnetic Control - 60 Cy - 3 PH 440 V.	1056-1057	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
1	Dust Collector w/fan and motor Fan: Argo Size 45 Shop #5799 Motor: G.E. Type KT 323 1800 RPM - 220/440 V - 3 PH - 60 CY - 1750 RPM Serial #4024042 G.E. Magnetic Starter Size CR 7006 D 30 B Catalog #4381269G104 440 V. - 60 CY - 25 HP	1011-1012	
	Dust Collector w/fan and motor Fan: Western Blower #18 Motor: Fairbanks Morse - Type 2, Frame FW 225, Serial #410324, 5 HP - 3 PH - 60 CY - 3460 RPM - 440 V	1124-1125	
	Duct Work Piping For Louisville Dryers CWS #0318 & 0340 - Vacuum & Pressure Gauges 300# Pressure 30# Vacuum Mfgr. - York Ace Machine Corp., York, Pa.	None	
✓	Elevator, Bucket Type - 30 Ft. Height Activator discharge elevator Steel shaft w/motor Master motor - Serial #PF10571, Frame 224 - 2 HP - 60 CY - 3 PH - 440 V - 1725 RPM W/G.E. magnetic switch, Serial #CR 7006 D 40A	1127-1128 ✓	✓
✓	Elevator - Bucket type, steel shaft w/motor 27' high Westinghouse motor, Serial #5EM 3807, 2 HP - 1700 RPM 3 PH - 60 CY - 440 V., Frame 255, Type CS, w/G.E. magnetic switch, type CR 7006 D 40 A Mfgr. - Jeffrey Mfg. Co.	1113-1114 ✓	✓
✓	Elevator, Bucket Type, steel shaft w/motor 38 Ft. High - Westinghouse, Serial #3EM 3807 2 HP - 1700 RPM - 3 PH - 60 CY - 440 V., Frame 255, Type CS, w/G.E. magnetic switch, type CR 7006 D 40 A Mfgr. - Jeffrey Mfg. Co.	1115-1116 ✓	✓
	Elevator, Bucket Type, 12 Ft. High, Enclosed in steel shaft, w/motor and G.E. magnetic switch - Sterling 12VP, Serial #57011, 1800 RPM, Frame F55-204, 220/440 V., 3 PH, 60 Cycle	1458-1459	
✓	Elevator, steel shaft, bucket type w/motor, 36' high Master Gearhead Motor, Serial #NH 3327, Style 106010, 2 HP, 60 CY - 440 V. - 1725 RPM - 3 PH w/G.E. magnetic switch, type CR 7006 D 40 A Mfgr - Jeffrey Mfg. Co.	1120-1121 ✓	✓
✓	Elevator, steel, bucket type w/motor, 27' high Elevator #1105 Westinghouse Motor #2EM3807, 2 HP - 1700 RPM - 60 CY - 440 V., Frame 255, Type CS, w/G.E. magnetic switch motor #1106, type CR 7006 D 40 A Mfgr. - Jeffrey Mfg. Co.	1105-1106 ✓	✓
✓	Elevator, steel, bucket type w/motor, 46' high Westinghouse, Serial #4EM 3807, 2 HP - 1700 RPM - 3 PH - 60 CY - 440 V., Frame 255, Type CS w/G.E. magnetic switch, type CR 7006 - D 40 A, Mfgr. Jeffrey Mfg. Co.	1102-1103 ✓	✓

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Elevator, Stock Bin; bucket type, chain 125' High Steel Shaft With Master Motor, Style 66684; Serial No.: NS1840, Frame 225; 440 V; 3 PH; 60 Cy; 1725 RPM; Serial #NL 2741	1065-1066	
2	Feeders, automatic (Jeffrey Waytrol) W/Control (1) Model 118, Serial #W351, 33 1/2 Lbs. per min maximum capacity. (1) Model 118, Serial #350, 33 1/2 Lbs. per min maximum capacity Feeds charcoal from storage bin at constant rate thru shaft to elevators	1153-1154	
2	Cabinets, File, Grade C (1) W/lock, (1) Plain	1582-1583	
3	File Cabinet, 4 drawer, wooden letter size Mfgr - Globe Wernick	1579-1581	
	File Cabinet, 8 drawer, wood, map file - blueprint	1584	
	Cabinet, filing, steel, 2 drawer, letter size.	1873	
	Cabinet, filing, special order, 2 drawer	1874	
2	Filing Cabinets, desk height, metal - 2 drawers - letter size	5-2-2a & b	
	Filing Cabinet, 4 drawer, wood. #3404	1914	
	Cabinet, File, letter, wood	1973	
	Fire Extinguisher, Pyrene	1185	
	Fire Extinguisher, C.O.2, Type B; Size 7½	1213	
	Fire Extinguisher, Stempel Mfg., Quart Size	1239	
	Fire Extinguisher, Pyrene, 1 Quart Size	1253	
	Fire Extinguisher, Soda Acid, 2½ Gal.	1255	
	Fire Extinguisher, Sanderson Stempel Mfg. Trigger Type	1626	
2	Fire Extinguishers, CO2, Sanderson Mfg., Type A Size	1627-1628	
	Fire Extinguisher, Foam Type, Sanderson - 2½ Gal. Mfgr. - Sanderson	1629	
	Fire Extinguisher, Soda Acid, 2½ Gals.	1283	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Fire Extinguisher, Sanderson Mfgr., C.O.2 Type B, Size 7½	1758	
	Fire Extinguisher, Foam Type, 2½ Gal.	1876	
	Fire Extinguisher, Sanderson Mfg., Foam Type 2½ Gal., #720000	1890	
	Fire Extinguisher, Type A - Size 4, C.O.2, Mfgr - Sanderson	1891	
	Fire Extinguisher C.O.2, 2 Lb., Fire Equipment Co.	5-3-5	
	Fire Extinguisher, C.O.2, 15 Lb.	5-3-4	
	Mfgr. - Fire Fighting Equipment		
	4 Lengths, Fire Hose, canvas, 25 Ft. Lenghts -	1186-1187	
	Total 100 Ft., 1½" width with nozzle and reel	1188-1189	
	Furnace Charring, refractory housing, 60 Ft. Long		
	2 bank of 7 tubes - 5" in diameter, stainless steel		
	Hydraulic loading mechanism, gas fired		
	Timing Device described below		
4	Premeders, Madon, Serials #22560 - #22562 - #22594	1025-1026	
	#22571, each premeder has motor & motor control	1027-1028	
1	Sterling 1 1/2 HP - 3600 RPM - 60 CY - 220/440 V - 3 PH, type KF, frame 204, Serial #59632, CWS tag	1029	
1	G.E. - ½ HP - 3 PH - 440 V - 60 CY - 3450 RPM Type K, Frame 49B, Model #5K49BC 1255	1030	
1	U.S. - 1 HP - 220/440 V. - 3 PH - 60 CY - 3600 RPM Style SC - Serial #267587	1031	
1	G.E. - ½ HP - 3 PH - 60 CY - 3450 RPM, Model #5K49BC1/55	(1032	
4	Switches, Trumbull w/magnetic starter, (1) for each premeder type CM 7 ½		
4	Pyrometer controls, Bristol, 110 V - AC - 25 AMPS -	1021-1022	
	Model 478, Serial #6759 - #6751 - #6751 - #6756	1023-1024	
1	Gas Ignitition System	1135	
1	Timing Device, motor driven flasher switch, variable speed motor (no name plate) 7 CAM operated switches.		
1	Pump, centrifugal, worthington w/motor	1123	
	200 Lb. Pressure, 3" Section - 2" Discharge		
	with (1) suction tank for storing liquid	1017	
	Motor Fairbanks Morse, Serial #286364, 25 HP - 440 V., 3 PH - 3540 RPM W/G.E. control, catalog #2248569G104 25 HP - 440 V.	1139	
	Furnace Charring, refractory housing, 60 Ft. long		
	2 Banks of 7 tubes - 5" in diameter, Standard steel,		
	Hydraulic loading mechanism, gas filled		
4	Premeder, motor, Serial #22567, #22568 - #22755 - #22754 -	1040-	
	Each premeder has motor and motorocontrol.	1043 Incl.	
1	G.E. Motor - Model 5K 49B C 1255, 1/2 H.P. - 3 PH - 3450 RPM - 440 V. Class 1 - Group D - Explosion Proof	1044	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	(Continued from preceding item)		
1	G.E. Motor - Model 5 K 49 BC 1255 (Serial Missing) 1/2 HP - 3 PH - 3450 RPM - 440 V., Class 1 - Group D - Explosion Proof	1045	
1	G.E. Motor - Model 5 K - 49 BC 1255, 1/2 H.P. - 3 PH 3450 RPM - 440 V. (Serial #FA 403688)	1046	
1	G.E. Motor - Model 5 K - 49 BC 1255, ½ HP - 3 PH - 3450 RPM - 440 V. (Serial # FA 353829)	1047	
4	Pyrometer controllers, Bristol, Serial #6755 - 6760 6752, 110 V - AC - 25 Amps - Model 478	1036-1037 1038-1039	
1	Pump, Centrifugal, Worthington of Motor, 200 Lbs. Pressure, 3" Suction - 2" Discharge, With (1) Suction Tank for storing liquid, motor: G.E. - Type - T501 Form BA, 25 HP - 440 V. - 3 PH - 3540 RPM Model 99E29CI	1122 1016 Tank	
	Serial #5198344 w/G.E. Control Catalog #2248569 G104 25 HP - 440 V.	1138	
1	Timing Device, Motor driven flassher switch, variable speed motor (no name plate) 7 Cam operated switches		
1	Gas Ignitition System	1133	
	Grinder, Saw (Automatic Gummer w/motor) Size 928 - Shop #1064, Westinghouse motor - Serial #86EM677, 1½ HP; 3 Ph; 60 Cy.; 220/440 V.; 1134 RPM Cutler Hammer Controls	1244	
	Grinder, Saw (Hand Gummer) w/motor, General Electric ¼ HP - 1800 RPM - 110 V., Single Ph.	1245	
	Grinder, (Saw Slaughter) Bench type w/motor, Dunlap motor - Type SL0 13, ¼ HP; 110 V; 1750 RPM; 1 HP	1246	
	Grinder, Bench, Dunlop Type SS0, ¼ HP - 110 V - 60 Cy - 1 Ph - 3450 RPM, Model #1155273 - Serial #G21	1490	
	Grinder w/motor, Sterling motor, 3 HP - 3600 RPM - 60 Cy - 440 Volt, Serial #56269 - Frame 224 - Type KF	1730	
	Grinder, w/motor (Tool Post), G.E. Motor - Model #5KH454B403B, Type KH, Single Ph, - 110 V - 60 Cy - 1/4 HP	1731	
	Grinder, Baldor, Type Y - 2C 6565, ½ HP - 60 Cy 1 Ph - 110 Volt - 3400 RPM, Serial #K3289, With reversing switch	1733	
	Grinder, Autostart (Pedestal type), U.S. Electric Motor - Serial #240312, 2 HP - 440 Volt - 3 PH - 60 Cy - 1800 RPM - Frame 256, With 2 grinders and 2 shields	1755	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Grinder, Bench Grinder (Craftsman), Catalog #5608, 1 HP - 110 Volt - 60 CY - 3450 RPM	1828	
	Grinder, Portable, Electric 4" Serial No: 406827	1830	
	Heat Exchanger (Cooler), Serial #855 Steel cylinder, 8 ft. long - 12" diameter (Cools solution off when it returns from recovery tower) (Water tubes run within cylinder to cool)	1322	
	Heater, Unit, Steam - Western Blower Co., Blower type, size 12 - Order #53237, With motor enclosed	1267	
	Heater, Unit, Steam, Western Blower w/Air Conditioning and Heating Unit, installed complete w/four filters and automatic steam control valve Size 14 - Order #53238 With Minneapolis Honeywell Thermostat Mfgr - Western Blower Co.	1643-1644	
	Hoist, chain, 1 ton, geared, steel	1423	
	Hoist, Hand, two-ton Beebe Mfgr.	1166	
	Hoist, Hand, one ton	1191	
	Hoist, Barrel, Electric With Master Gearhead Motor, Style #76799, Serial #NH 23828, $\frac{1}{2}$ HP - 60 Cy - 3 PH - 440 Volt - 1725 RPM, Countershaft Speed - 40	1208	
1	Hoist Electric, 500# Cap (Pendant type) Ser. #11666 Grame Jr, 220 V., 3 phase, 60 cycle with built in motor with approximately 25' of flexible cable, Show-box, 1/2 HP, 220 V., RPM 1725, AC, 3 PH, Serial FM 3811, Frame #33, Type P, CWS #5037, 60 cycles.	5036	
1	Pendant type push button control, Cutler Hammer		
1	GE Motor starting Switch CR 1062-B7 Cat #4981888 Max. Motor Rating $1\frac{1}{2}$ HP, 110 V. - 2 HP, 220/600 V., 2 or 3 phase. Mfgr. - Manning, Maxwell & Moore Co.		
1	Hoist Electric 500# Cap (Pendant Type) Frame JR $\frac{1}{4}$ 220 V., 3 phase, 60 cy with a built in motor and approximately 25' of flexible cable, shaw-box, 1/2 HP, 220 V., RPM 1725, AC, 3 PH, Ser #FM 3812, CWS 5079, Frame #33, Type P, 60 cycles,	5078	
1	Pendant type push button starter, cutler hammer		
1	GE Motor starting switch CR 1062-B7 Cat. #4981888 Max Motor rating $1\frac{1}{2}$ HP, 110 V., 2 HP, 220/600 V, 2 or 3 phase. Mfgr - Manning Maxwell & Moore		

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
1	Hoist, Electric, 500# cap (Pendant type) Serial No. H 11614 Frame Jr, 220 V, 3 phase, 60 cycles. Complete with built in motor, Shaw-Box, 1/2 HP, 220 V., RPM 1725, AC 3 PH, Motor #FM 3798, CWS #5165, Frame #33, Type P, 60 cycles, and approximately 25' of flexible cable. Mfgr. - Manning, Maxwell & Moore Muskegon, Mich.	5164	
1	Pendant type control, push button control, cutler hammer		
1	G.E. Motor starting switch CR 1062-B7 C t. #4981888 Max. Motor rating 1½ HP, 110V, 2 HP, 220/600 V, 2 or 3 phase		
1	Hoist, electric, 500# cap. (Pendant Type) Serial #H 1165 Frame Jr, 220 V, 3 phase, 60 cycle, complete with motor (built in) Shaw-Box, ½ HP, 220 V, RPM 1720, AC, 3 PH, #FM 3810, Frame #33, Type P, and approximately 25' of flexible cable. Mfgr. - Manning, Maxwell & Moore	15140	
1	Pendant type push button control, cutler hammer.		
1 -	G.E. Motor starting switch CR 1062-B7 Cat. #4981888		
	Hoist, "Budgit", ¼ ton capacity, Serial #M46654, 1 Ph; 60 Cy; 110 V., Frame "G" Mfgr. - Manning, Maxwell & Moore	1588	
	Hoist "Budgit" - ¼ ton capacity, Serial #M46655, 110 V; 1 Ph; 60 Cy. Mfgr. - Manning, Maxwell & Moore	1589	
	Hoist, Coffin, No. FR 4733 Chain operated by lever.	1783	
	Hoist with Monorail, 500 Lb. capacity, 220 V. - 3 PH - 60 CY - Serial #H7923, 20' of monorail Mfgr. - Robbins & Meyers	1456	
	Hoist w/Monorail - Wright Mfg. Manually operated, Model #BV, ½ ton, high speed, With 10 ft. Monorail	1732	
	Hoist w/Monorail - "Cyclone", manually operated 1 Ton - Model K	1752	
2	Hoods, Sash Front, Kewaunee #S-1925. With air vacuum, gas, cold water - 110 V - Electric cup sink with wash connection	5-1-3a & b	
3	Hoods, open front, Kewaunee #S-1803. With 2 - #S-190 cupboard base units per hood, with air vacuum 110 V electric	5-1-4a, b & c	
1	Hopper, Back feed, fabricated of ¼" steel plate, Welded construction 35" wide x 43" long x 15" deep, tapering to an opening 4" x 4", making the total depth 31" complete with supports and approximately 4 ft. of 4" x 4", welded steel duct with plate shut off approximately 12" from bottom of Hopper. End Item: Whetlerite ASC. Mfgr. - Barnebey-Cheney	15381	

ITEM	DESCRIPTION	PROPERTY NO. CONDITION
1	Hopper, Back feed, fabricated of $\frac{1}{2}$" steel plate welded construction 35" wide x 43" long x 15" deep, tapering to an opening 4" x 4", making the total depth 31", complete with supports, approximately 4' of 4" x 4" welded steel duct, with plate shut off approximately 12" from bottom of Hopper End Items: Whetlerite ASC Mfgr. - Barnebey-Cheney Eng. Co.	15389
	Hot plate, gas, 10" x 20"	1956
	Hot plate, electric	2387
	Ice chest, metal covering, wood frame Mfgr. - Commercial Product	5-3-6
	Impregnating screw, as shown on Jeffrey Mfg. Co. Dwg. No. 35035 (1) Bevel Gear (1) Lukenheimer Valve (1) Glass Gage	0338
	Indicator, canister resistance #5166	2026
2	Jacks, Joyce - No. 166, 50-Ton	1728-1729
	Knife sharpener, Style B, No. 3 automatic knife sharpner. Mfgr - Waldrom & Co.	2029
	Lamp, desk, fluorescent	1577
	Lamp, fluorescent - desk, metal. Tube light type. Mfgr. - Mitchell	1913
2	Lamps, Fluorescent	1999-2000
	Lathe, Adelson, 16" - 96" Bed area, Complete w/#3 jaw - 12". Universal chuck and faceplate and #4 jaw independent check - 15" and faceplate. 6 lathe dogs and motor Westinghouse - Type CS - Style 1077572 Frame W254 - Serial #42EM1016 3 HP - 3 PH - 60 Cy - 440 Volt Mfgr. - Adelson	1742
4	Liquefiers, Carbon Dioxide 1500 lb. working pressure 150 lb. capacity Serial Nos. 5528, 5529, 5530, 5531	2002 thru 2005
	Locker, wardrobe (cabinet) metal	5-2-3
52	Lockers - wooden, Individual, 18" x 40" x 15"	1568

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
156	Lockers, Individual, 18" x 40" x 15"	1569	
	Locker - wooden cabinet, 15 x 67 x 7'8"	1859	
	Magnetic separator, Dingers, Serial No: 15033, 115 Volt, 12" x 8" AF Mfgr. - Dinges	1767	
	Meter - Gas, Precision Wet Test (3 liter)	1958	
	Meter, Dry Gas, Size 30B-600, Complete w/connections & special index calibrate against air.	2603	
	Meter, Water, 5/8" - Smith Mfg. Serial No. 569675	1832	
	Meter, Water, 5/8", Worthington Serial No: 627857	1833	
1	Mixer, lightning Portable, M-1, 1 HP w/Ser #RD 12458, Style 123669, Type PA, Frame 204, 1140 RPM, totally enclosed motor Master Electric, 220 V., 3 Phase, 60 Cy, 7/8" dia. x 60" long shaft with dual 6" propellors. Shaft & propellors of Monel Metal with Monel tube & chuck Mfgr. - Mixing Equipment Co., Rochester, N.Y.	15139	
	Monometer, steel Case, 20" scale (Used to measure air pressure in vapour line)	1338	
	Motor, Master, Less Stator, 2 HP; Disc. Magnetic Brake, Worm Reduction Gear (Other details inaccessible)	2034	
	Motor, G.E., 15 HP; 1740 RPM; Model 5KF326B27 Frame 326; 220/440 Volts; 3 Ph; 60 Cy Serial No: 5253629. Mfgr. - General Electric	2035	
	Motor, General Electric, Serial No: 4325484 30 HP; 3540 RPM; Model 17447; Frame 513 220/440 Volts; 3 Ph; 60 Cycle	2036	
	Motor, Master, Gear 1½ HP Approx; Name Plate missing 48 RPM on Counter Shaft; 220/440 V, 3 PH; 60 Cy. Mfgr. - Master	2037	
	Motor, Master, Serial No: 50189, 1½ HP; 3600 RPM; 220/440 V; 3 PH; 30 Cy	2038	
	Motor, General Electric, Model 5AH45AB558 ¼ HP; 1725 RPM; type KH; 110 V; 1 Ph; 60 Cycle	2039	
	Motor, Wagner, Serial No: 8660M, 1/40 HP; 1000 RPM; Model L893; 110 V; 1 Ph; 60 Cy	2040	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Motor, Master, $\frac{1}{2}$ HP; 440 V; 3 Ph; 60 Cy. Name Plate Missing	2041	
	Motor, Century, Serial No. SKL2 $\frac{1}{4}$ HP; 1750 RPM; 110 V; 1 Ph; 60 Cy Type SP; Frame S6C	2042	
	Motor, Master, Stator Only, Nameplate Missing 2 HP; 440 V; 3 Ph; 60 Cy; 1725 RPM	2043	
	Motor, Master, Gearhead, 1/2 HP - 1725 RPM 220/440 V. CO 48 RPM rewound	1690	
	Motor, Premixer, General Electric, Serial No. FA 35582-8 Frame: #49-B; $\frac{1}{2}$ HP; 440 Volt; 1725 RPM	1720	
	Motor, Electric, Walker Turner, Serial No. 594445 $\frac{1}{4}$ HP; Single Phase; 110 Volt; AC	1609	
	Motor, General Electric, Gearhead, Model 5K43AC866-A, 440 Volt; $\frac{1}{4}$ HP; 1725 RPM; CO 192 RPM Ratio: 9:1	1696	
	Motor, Westinghouse, Serial No: DL, Frame: 145-K; $\frac{1}{4}$ HP; 440 Volt; 1725 RPM	1719	
	Motor, Westinghouse Gearhead, Serial #1 EM 2042 Frame W-225, 1 HP - 220/440 V. - 873 RPM - Gear Ratio 40:1, Countershaft 22 RPM	1686	
	Motor, Westinghouse, Gearhead, Serial No. 1 - EM 2160 Serial No. 1 - EM 2160, Frame W-204, 1 HP - 220/440 V. - 1720 RPM - Gear Ratio 140:1, Countershaft 12.5 RPM	1687	
	Motor, General Electric - Serial No. 5447130 Model 5KF365A1; Frame 365; 220/440 Volt; 3 Ph; 60 Cy; 1160 RPM; 15 HP	1018	
	Motor, General Electric, Serial No: 5447448 Model 5 KF365A1, Frame 365, 220/440 Volt; 3 Ph; 1160 RPM; 15 HP	1019	
	Motor, Dayton, Serial BS1482-45, 850 RPM, 110 Volts - 1 Ph 60 Cy, Type C1D63618 - 1/8 HP	1156	
	Motor, Westinghouse, Gearhead, Serial No. 5-EM 3807 Frame 225 - 2 HP - 440 V. - 1700 RPM - Gear Ratio 32:1, Countershaft 55 RPM	1688	
	Motor, Westinghouse, Gearhead, Serial No: 1 EM 2208, Frame W-204, 1 HP; 220/440 Volt; 1720 RPM; CO 194 RPM	1693	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Motor, Westinghoue, Gearhead, Serial No. 1EM-2168, Frame W-204; 1 HP; 220/440 Volt; 1720 RPM; CO 44 RPM; Ratio: 40:1	1694	
	Motor, Master, Gearhead, Serial No: NF3541 Frame: 203; 1 HP: 220/440 Volt; 1725 RPM; CO 575 RPM	1695	
	Motor, Master, Gearhead, Serial No: NB 2915 Frame: 204; 220/440 Volt; 1725 RPM; CO 288 RPM; (No gears) 1 HP	1697	
	Motor, Westinghous, Serial No; 167EM1099 Frame: W-204, 1 HP; 220/440 Volt; 1720 RPM	1708	
	Motor, General Electric, Model No: 6-W-15917 Frame: 203, 1 HP; 220/440 Volt; 1720 RPM	1709	
	Motor, Sterling Mfg., No Serial No. Frame 161, 1 HP; 220/440 Volt; 3600 RPM	1712	
	Motor, U. S. Electric Co., Serial No: 248980 Frame: 59-2, 1½ HP; 220/440 Volt; 3600 RPM	1714	
	Motor, Sterling Mfg., Serial No: 50189, Frame: 224 1½ HP; 440 Volt; 3600 RPM, AC	1716	
	Motor, Master, Gearhead, Frame 224 - 2 HP 220/440 V. - 1725 RPM, CO 38 RPM, AC Mfgr. - Master	1689	
	Motor, Master, Gearhead, Frame 224; 2 HP; 220/440 Volt; 1725 RPM; CO 48 RPM, AC Mfgr. - Master	1691	
	Motor, Master, Gearhead, Serial No. ND 4831 Frame 225; 2 HP; 220/440 Volt; 1725 RPM, AC CO 96 RPM, Mfgr. - Master	1692	
	Motor, U. S. Elec., Serial No: 241270 Frame: 224-4, 2 HP; 220/440 Volt; 1800 RPM, AC Mfgr. - U. S. Electric	1710	
	Motor, Westinghouse, Serial No: 85-EM640 Frame: W-225, 3 HP; 220/440 Volt; 1690 RPM, AC	1706	
	Motor, Master Electric, Serial No: NF5586 Frame: 5825; 1/3 HP; 440 Volt; 1725 RPM, AC Mfgr. - Master Electric Co.	1713	
	Motor, Sterling Mfg., Serial No: 159541 5 HP; 3 Ph; 60 Cy; 900/30 RPM, 220/440 Volt; KFWFB Slo-Speed.	2024	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Motor, Master Mfg., 5 HP; 3 Ph; 1150 RPM; Type PA & Coupling, AC	1204	
	Motor, Crocker Wheeler Mfg., 5 HP, 220/440 V; 3 Ph; 60 Cycle; 900 RPM, Serial #103430	1454	
	Motor, General Electric, Serial No: FX 20476 Frame 284, 5 HP; 220/440 Volt; 1150 RPM, AC	1701	
	Motor, Master, Serial No: NB 306, Frame 284 5 HP; 220/440 Volt; 1150 RPM, AC Mfgr. - Master Elect. Co.	1702	
	Motor, U.S., Serial No: 248689, Frame 324-4 7½ HP; 220/440 Volt; 1200 RPM, Mfgr. - U. S. Elect. Co.	1698	
	Motor, U. S. Electric Co., Serial No: 261480 Frame: 284-4, 7½ HP; 220/440 Volt; 1800 RPM, AC	1699	
	Motor, Fairbanks, Morse, Serial No: 396762 Frame FW-326, 15 HP; 440 Volt; 1740 RPM	1700	
	Motor, Westinghouse, 30 HP; 400 Volt; 3 Ph; 60 Cy 900 RPM; Type CS; Frame W445. 39.4 Amps; 2 3/8" x 7 1/8" shaft. Class 2. Complete inclosed & fan cooled. Explosion proof. Mfgr. - Westinghouse Elec.	1608	
	Motor, Westinghouse Mfg., 40 HP; 440 Volt; 3 Ph; 60 Cy; 3600 RPM; Type CS, Frame W-405-S; 47.5 Amps; 1 7/8" x 4½" shaft. Class 1. Completely enclosed & fan cooled. Explosion proof. Rotation: Clockwise looking at back toward shaft end.	1607	
	Oven, Electric, Serial No: 14-26-27, 110 Volt; 700 Watt. Mfgr. - Precision Scientific Co.	1868	
	Oven, Constant Temperature. 30° - 135° - 220 V	5-4d-46	
	Oven stand, 36" x 30", with asbestos top	5-1-12	
	Predrier, Jeffrey Mfg., w/motor, 3 pass, made of 3 steel cylinders w/screw conveyor, Motor: G. E. Radee 14WT 352 WV 2 Reduction Gear #K224352, Frame 224 - 1730 RPM 1½ Hp - 3 ph. 440 V. - 60 Cy - Serial #FW17554 w/G.E. Magnetic switch #7006 D 40 A	1302-1303 1304	
1	Premixer - Size 1½", Serial #22683, Unit A & B. Complete with;	5061	
1	Gas Burner - Mfg. by Maxon Premix Burner Co.		
1	Electric Motor - Robbins Meyer, ¼ HP,, 220 V., RPM 3400, AC, 3 PH, Frame #18, Type P.P., #M17875QC .86 Amps.	5062	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	(Continued from preceding item)		
1	Gas regulating diaphram valve, mfg. by Reynolds Gas Regulator Co; Anderson, Ind.		
1	Automatic temperature control, type 2-AA15H, Serial #A19548, 220 V., 60 Cycles; Mfgr'd by Automatic Temperature Control Co. Inc. Phila, Pa.		
1	Manometer 20" C.D. Standard Clean Out - Mfg. by Meriam Co. Cleveland, Ohio		
1	Safety shut off valve 1¼", 220 Volts, 60 Cycles	5063	
1	Cutler Hammer push button motor control		
1	G. E. Motor, starting switch, CR 1062-B7, Cat #4981888, Max. motor rating 1½ HP, 110 V., 2 HP, 220/600 V, 2 or 3 phase		
	Press, with Jack 25 Ton No. 2511, manually operated, 7 ft., Buddah J95	1753	
	Press, Chem. Container Bottom, E4. Complete w/4 chucks & (2) springs. Hand operated. Mfgr. - Atlas Mfg. Co.	2012	
	Press, Drill, Artos #42, With Motor, Electric #2520; 110 Volt; 60 Cy.	2014	
1	Pump, Centrifugal Size 1, Type GA Serial 25862, 1725 RPM, GPM 10--Ft. HD 30, Mfg. by Weiman Pump Co. Columbus, Ohio. Complete with motor as listed below: Master Elec. Co., ½ HP, 220/440 V., RPM 1725, AC, 3 PH, Serial #HB7852, type PA, frame 7420. Used with Column, copper dissolving 24" dia., 10'4". CWS Tag 15362	5074	
1	G.E. Motor starting switch CR1062-B7, Cat. #4981888		
1	Pump, centrifugal w/Motor, size 1, Type GA, Serial #2428F Cap. 10 gpm at 30' head integral w/½ HP electric motor 220/440 Volt, 3 Phase, 60 cycle, 1750 RPM, Serial MK1821, Type PA, Frame #7420, Style 96075, motor Mfg. by Master Electric Co. (Motor is integral part of Pump) Used with Column CWS #15363 Mfgr. - Weiman Pump Co, Columbus, Ohio	5161	
1	G.E. Motor starting switch CR 1062-B7 Cat. #4981888		
8	Pumps, Weiman, Type E.M.A, G.P.M. 10, Size 1¼, F.T.HD. 14, Serial #30237J, 30237A, 30237H, 30237D, 30237L, 30237M, 30237F, 30230C. With Motor, Style 104773, Type PA, Frame 5820K, ½ HP, 440 V, 60 Cycle, 3 PH Serial #PJ-13844, PJ-13835, PJ-13843, PJ-13838, PJ-13834, PJ-13839, PJ-13841, PJ-13842 Mfgr. - Weiman Pump Co., Columbus, Ohio	0325,0330, 0348,0354, 0355,0392, 0398,0399	
4	Pump, Weiman, Type GA, GPM 10, Size 1, FT. HD 30 Serial #30239F - 30239A - 30239C - 30239G	0349-0350 0393-0394	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	(Continued from preceding item) With Motor, Style 96075 - Type PA - Frame 7420W ½ 2VP - 60 Cycle - 220/400 V - 3 Ph, Serial #PJ-14195 - PH-14190 - PJ - 14192 - PJ-14196 Mfgr. - Weiman Pump Co., Columbia, Ohio	0349-0350 0393-0394	
2	Pumps, Centrifugal, Gear, Isaacson BJA340 (Less motor), Special "Triple A" Mfgr. - Isaacson	1014-1015	
	Pump, Centrifugal, vertical w/motor, 50 gal. capacity (Used on strong solution tank) Mfgr. - Pacific Pump Co., San Francisco, Cal. Motor: Westinghouse - 1 HP, 3600 RPM, Serial #247115, (Motor details inaccessible)	1315	
	Pump, Centrifugal, vertical w/motor 50 gal. capacity, (Used on strong solution tank) Motor: G.E. - Serial #5K678C55B, 1 HP (details inaccessible) Mfgr. - Facific Pump Co., San Francisco, Cal.	1316	
	Pump, Centrifugal, vertical w/motor, 50 gal. cap. (Used on weak solution tank) Motor: G.E. - 1 HP, Model #5K67EC888B (Motor details inaccessible) Mfgr. - Pacific Pump Co., San Francisco, Calif.	1318	
	Pump, Centrifugal, vertical, w/motor 50 gal. capacity, (Used on weak solution tank) Motor: U.S. Serial #247114, 1 H.P., Type SCV, 3 PH. - 440 Volt - 3600 RPM - Frame 562 Mfgr. - Pacific Pump Co., San Francisco, Cal.	1319	
2	Pumps, Centrifugal	1617-1618	
	Pump, Sump - 1½" Centrifugal, w/U.S. Motor 2 HP - 440 V. - Type SC - 1800 RPM - Serial #235830	1052-1053	
	Pump, Gear, Isaacson Mfg. No. 21332 Spec. Triple A Pump (Less motor)	1901	
	Pump, Jaeger, Model 1½", Gasoline engine driven Sure prime w/suction and discharge hose and couplings.	1587	
1	Pyrometer, 6 point, millivoltmeter, compensated model #1066-x10, 230 Volts, 60 cycles, couple MA, resistance of instrument 111, range 0° - 1000° F., chart #3449, external resistance 2.5. Mfgr. - Brown Instrument Company	15569	

ITEM	DESCRIPTION	PROPERTY NO. CONDITION
1	Pyrometer six point millevoltmeter model #1066-x10, 230 volt, 60 cycles, manufactured by Brown Instrument Company, couple MA, resistance of instrument Ill, range 0 - 1000° F., chart #3449, external resistance 2.5.	15571
	Pyrometer, Bristol - Portable, 2500° F	1190
2	Pyrometer controllers, Bristol - Serial No's. 6754-6757	1086-1087
	Pyrometer, Portable - Bristol - Model 622, No. 1575 Mfgr. - Bristol Mfg. Co.	1223
	Pyrometer	2389
	Rack, Walnut (Costumer)	1353
	30 cu. ft. Rashing Rings	None
	Recovery Tower, 18" Diameter, with Sturdeyvant Centrifugal Compressor Type Pump, Serial #P19498 Design 9 Sze 16241, with motor G.E. - Model 1254824, Serial #6273731, 5 HP - 3 PH - 60 CY - 200/440 V - 3460 RPM Used for recovering ammonia after condension reform to liquid state from vapours.	1324-1299 1492
	Recovery Tower, 24" diameter, w/Exhaust Fan, Motor & Control Fan, Sterling Motor picked up from U.S. Army Engineers on 18 Sept. 1943, 3 HP, 3600 RPM, 60 Cycle, 220/440 V., Serial #66015, Frame 224-Type KF (Fan picked up on Contract W266 CWS-5 on 6/23/42 from Carlisle Co. Used for recovering ammonia after condensor reforms to liquid state from vapor.	1462-1325 1704
2	Reduction Gears, Boston, Catalog No. 4D48, Serial No's. 157199, 156605	1743-1744
	Refrigerator - Electric, "Utility" SU-2517587 Mfgr. - Refrigeration Engineering Co.	1944
	Rotameter, Schutte and Koesting w/piping ammonia, 22 cu. ft. per min.	1336
	Rotometer, Air w/Piping, Mfgr. - Schutte and Koerting, 55 cubic ft. per minute	1337
2	Rotameters, 0-300 Cubic feet per min.	2008-2009
	Sampling Thief, 20th Century, Brass	1943
2	Saws, Anvil, bench type (Anvil with hammer)	1247

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
	Saw, Band, w/Walker Turner Motor - Serial #11356390, Vertical blade $\frac{1}{2}$", $\frac{1}{2}$ HP - 60 Cy - 1725 RPM - Single Ph., Frame 118D - Serial #3354D654960	1864	
	Saw, Circular, 8" Blade, Craftsman motor, Catalog #5611, Single Ph - 60 Cy - 110 V - 3450 RPM, Model #31561 Mfgr. - Sears Roebuck	1865	
	Saw, log, turret type w/turret guide (North Log Saw) Special make - Stetson Ross Mfg., 7 Blades on each mandrel, circular saw with westinghouse motor & Fram W504, 40 HP - 3 PH - 60 CY - 220/440 V - 3500 RPM Serial #8088581, includes G.E. push button control #CK2943A200A & Westinghouse live starter - Style 941903A	1003-1004	
	Saw, Metal Hacksaw with Motor, Toledo - 4 inch capacity, Brown Brock Meyer, Mfr's. No. MS8529ES4179, Serial #1631824, 1/2 HP - 60 Cy - 3 PH - 440 V - 850 RPM AC	1861	
	Saw Log, Turret type w/turret guide (south log saw) special make - Stetson Ross, 4 blades on each mandrel, circular saws, with General Elect. Motor, Model 5KF404CM1, Frame 4045, Type KF, 220/440V - 3 PH - 60 CY - 3540 RPM - 40 HP, Serial No. 5446627, includes G.E. push button control #CK2943A200A Westinghouse HVE starter - Style 941903A	1005-1006	
	Scale, platform, Fairbanks Morse, 1000 Lb. capacity Serial #F694111 Mfgr. - Pacific Pump Co., San Francisco, Calif.	1333	
	Scale, (filling machine), exact weight speed sacking Model No. 2226, with rapid sacking valve and dustite bag holder. Mfgr. - Exact Weight Scale	1155	
	Scale, Platform, 600 lb. capacity, Mfgr. - Fairbanks Morse	1203	
	Scale, Platform, capacity 200 lbs. Mfgr. - Fairbanks Morse	1759	
	Scale, Toledo, Platform, 75 lb. capacity, Style 34-0861 FB, Wgt: 308#, Serial No: 696698	2017	
	Seal, Platform, Mfgr. - Fairbanks Morse 600 lb. capacity	1480	
	Screener, roted, model 22, w/motor and General Electric magnetic switch, Serial #18868, G. E. motor, frame 224, Model #5K224A1002, 3 PH - 60 CY - 220/440 V. 1730 RPM, fuel load, Serial #KX19784	1151-1152	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
2	Screeners, Rotor, Size #24, w/motors G.E. frame 224 - model 5K224A1002 - 60 CY - 3 PH - 440V - 1½ HP - 1730 RPM, Serial No. EX 15923, & EX15981 each screen has G.E. Magnetic switch #CR 7006 D 40	1129-1131 1130-1132	
	Screener, Rotor, Model #44, w/motor, Serial #18720, for screening charcoal, G.E. motor, Serial #NW22493, Model #5K225K2063, 3 HP, 1300 RPM, 220/440 V. - 60 CY 3 PH	1111-1112	
	Screen, shaker (for furnace), 2½" mesh w/motor, Master Gearhead Motor, 1 HP - 440V - 3 PH - 60 CY - 1725 RPM (RPM 216 countershaft) Serial No. inaccessible	1050-1051	
	Screen, shaker (for furnace), 2½" mesh w/motor Master Gearhead Motor, Serial #RJ20007, Style #127891, 1 HP - 440V - 3 PH - 60 CY - 1725 RPM (RPM 216 countershaft)	1048-1049	
	Separators, magnetic, 16" diameter, 24" long Motor driven, Sterling Motor & Rectifier, 3 PH - 440 V. - 60 CY - 2 HP - Serial #50234, 1200 RPM with magnetic starter control #CR7006 D40A (to separate iron from charcoal)	1107-1108	
	Shaper, Niles and Bement, U. S. Motor - Serial #135693, 3 HP - 440 V; 60 Cy; 3 Ph; 1200 RPM With complete V drive and cone pulley Mfgr. - Niles and Bement	1740	
	Sieve shaker, Ro-Tap testing w/motor and timer With Tyler Time Switch, Westinghouse motor, type FHT - Frame 145, 1/4 HP; 1725 RPM; 60 Cy; Single Ph. - 110 Volt - Serial #1177150D & 4198 Mfgr. - W.S. Tyler Co.	1984-1985	
	Sieve shaker, Ro-Tap, Serial #3623, Complete with motor and timer, ¼ HP - 1725 RPM - 60 Cy - 1 Ph - 110 Volt.	1298	
	Sieve shaker - Ro Tap Testing w/timer. Serial No: 4183	1 - 35	
	Stacker, Portable Elevator w/steel operating platform 2,000# capacity, 16 ft. lift, With: Starr Electric Motor - Serial #241529, Type AHB15, 440 V. - 60 Cy. - 3 Ph - 1 HP - 1600 RPM Mfgr. - Barrett Cravens Co., Chicago, Ill.	1334-1335	
	Stacker, Electric, Warm drive, Revolving type "PB" Spacemaster - 2,000 lbs. capacity, Overall height 12'0" Lifting height 9'6", Uprights hinged to 6'6" base, width 36" x 48" long. Equipped w/G.E. High Torque. 2 HP; 3 Ph; 60 Cy; 208 Volt; AC. Explosion Proof Motor.	2016	

ITEM	DESCRIPTION	PROPERTY NO. CONDITION
	Still, Gas Fired, Barnstead, capacity - 2 gal. distilled water per hour, Cinco 12760 B or equal Mfgr. - Central Scientific Co.	5-3-2
	Still, Electric - Barnstead Mfg. With automatic shut-off	1955
6	Stools, laboratory, 30 Inch	1620-1625 Incl.
2	Stools, laboratory	1887-1888
2	Stools, laboratory, adjustable	5-1-13A & b
6	Stools, wood	1924-1929
	Storage bin (backfeed) steel, with syntron vibrator Type VCR9, Style 4259A, Serial #C4C66094, 110 Volt; 60 Cy; 1½ Amps on Vibrator	2007
	Storage bin, steel, 8 ton	1119
	Storage bin, steel, 10 ton	1104
	Storage bin (charcoal feed), steel - 3 bbl capacity	1300
	Storage bin, 7 compartment, steel, 20' long, 4' wide - 4' high. With screw conveyor and Sterling motor CWS 1137 (motor details inacessible)	1136-1137
	Structural steel supports and framework for two Whetlerite units including balcony framework, handrails, checherplats and stairways. (See converse Bridge & Steel Co. Chatanooga, Tenn. for steel details) Contract No. 4227-X1 Mfgr. - Converse Bridge & Steel Co., Chatanooga, Tenn.	none
	Table, Balance, Kewaunee #S-2160, with Kenwald top	5-1-5
	Table, Balance, Kewaunee #S-2165, with Kenwald top	5-1-6
	Table, chemistry, Kewaunee #S-1610, With #S-691 sink with gas, air, vacuum, 110 V - electric, cold water and hot water (at sink) services With one table top	5-1-7
3	Tables, Chemistry, Kewaunee #S-2080, With gas, air, vacuum - 110 V - Electric and cold water services With one table top	5-1-8a, b, c
	Table, laboratory, Kewaunee, #S-2110, Without services, with one table top.	5-1-9
	Table, with Masonite top, 8' x 38" x 31"	1639
	Table, with Masonite Top, 9' x 38" x 31"	1640
	Table, with Masonite Top, 6' x 38" x 31"	1641

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
2	Tables, steel, 18" x 48" x 26"	1766	
3	Tables, wooden, (1) 10' x 4', (1) 3' x 2', (1) 22" x 25-3/4" heavy, oak balance table	1939-1941 Incl.	
2	Tables, wooden, Masonite Top, Size 37" x 8' x 31"	2030-2031	
	Tank, Misling, steel (Auxiliary) 100 Gallon capacity	1317	
	Impregnator Tank with screw conveyor, 13 Ft. long steel jacketed, With gear drive, CWS Dwg. D57-1-72 (Less Motor) Run by motor CWS 1303	1301	
1	Tank, processing, steel, 50 Gal. Cap. (Chromic acid Dissolving) Tank is fabricated of 1/8" steel sheeting 24" dia. x 29" deep, welded construction, complete with 24" dia. (Semi-circular) x 16" long steel apron welded to tank. Mfgr. - Barnebey Cheney Eng. Co.	15367	
2	Tanks strong solution forming (1) Strong solution forming (1) strong solution storage includes: (1) Glass gage piping for tanks (1) Tank valve, "L" type, $\frac{1}{2}$ inch connection (4) Lunkenheimer, 3/4" connection 350 GLP (2) Pipe valves, L.L. types, 3/8" connection (2) Glass pipes, 5/8" connection (8) Pipe joints, 1" connection (1) Steel pipe - length 13$\frac{1}{2}$" - Dia. 8" (2) Steel pipe - " 45" - " 8$\frac{1}{2}$" (2) Steel pipe elbows (plugged) 45 degree - Dia. 8" (1) Steel pipe elbow 45 degree dia. 12" (1) Steel pipe - length 1'4" dia. 12" (1) Steel pipe - length 2'6" dia. 12" (1) Steel pipe - length 2' 4$\frac{1}{2}$" dia. 9" (1) Steel pipe - length 11" dia. 10" (1) Steel pipe elbow - 90 degrees - Dia. 12" (1) Steel pipe elbow - 45 degree - dia. 10" Complete lot of steel piping 0342, 0344, 0345	0328-0329 CWS #0339	
	Strong solution forming tank (1) Header pipe (4) Lunkenheimer valves GLP 350 Dia. 3/4 inch (2) Glass Gages (1) Powell Gate Valves	0351	
	Strong solution storage tank	0352	
	Weak solution storage tank	3047	
	Tank, weak solution storage, 8 ft. long, 5 ft. Dia. Tank valve Powell, Type L, Pipe connection $\frac{1}{4}$ inch Glass Gage	0321	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
2	Tanks, Steel (Make-up) For solution forming	1320-1321	
1	Tank, steel (make-up) For solution forming	1455	
	Tank, strong solution w/steam coil and liquid level gauge, 10 ft. long, 4 ft. diameter, w/temperature control, type 110V (Instrument Lab Co.) Serial #101	1314-1327	
2	Tanks, Ammonia & handling facilities. 5,115 gal capacity each. Open shed roof over tanks. 864 sq. ft. of roof 54' x 16'	1402-1403	
	Tank, steel, cylindrical, horizontal	1619	
	Tank, storage, oil, steel underground, 8500 gal.	1904	
	Tank, storage, oil, steel, 2000 gals.	1905	
	Telephone system, Pax Automatic, 12 Extensions	1571	
	Temperature controller for Whetlerite solution tank. Model 251, Serial No: A-16445, Range 0-200°F	2006	
	Time clock - International, with metal and wooden time card racks.	1889	
11	Thermocouples, Mfgr. - Louisville Dryer Co.	0318	
	Tower, steel scaffold - Safeway, complete, custom made	1207	
	Tractor, "Clarkat" Heavy, 12 HP capacity, complete w/pin eye coupler. 4 Cylinder gasoline motor. Serial #206 and electrical equipment. Mfgr. - Clark Equip. Co.	2021	
	Transformer, 500 KVA, Packard Type A, Activator Transformer, 3 PH - Range 26,000 to 440 V., Serial #46704.	1630	
2	Transformers, 500 KVA, Packard Type A, Electric Furnace Transformer, Range 26,000 to 440 V, Serial #49477 - 49478	1631-1632	
	Transformer - 250 K.V.A., Calciner Transformer Single Ph - Make AC, Order No. 1244, Ratio 26,000 to 220 V. - Serial No. 11686	1633	
2	Transformer - 30 KW, G.E. Lighting Transformer - Type 24 - Single Ph - Ratio 2200 to 220 V., Serial #385721 - 385719	1634-1635	
	Transformer - 30 KW, Gray & Barash Mfg., Light Transformer, rebuilt, Single Ph - Ratio 2200 volts to 220 V., Serial #1047	1636	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
2	Trucks, barrel, steel, 2 wheel	1200-1201	
3	Trucks, hand, steel, 2 wheel	1202-1222 1196	
	Truck, hand - 2 wheel, rubber tired	1489	
	Truck, hand - 2 wheel	1668	
	Truck, hand, steel, 2 wheel	1761	
2	Trucks, hand. Whse., 4 wheel - 72" x 36", 4000# capacity, equipped w/resinoid wheels and 2 end racks each.	2027-2028	
2	Trucks, Hand, curved back, 2 wheel, 60" x 22" 900# capacity. Mfgr. - Lewis Shepard	2010-2011	
	Truck, Lift - Barrett, RKL 91148, Capacity 3500 lbs. Serial #110001 Mfgr. - Barrett Mfg. Co.	1164	
	Typewriter, Remington Pica - 13 Inch, Serial #9705 Mfgr. - Remington	1573	
	Typewriter, Royal Standard, 12 Inch, Serial #KHM2205895, Mfgr. - Royal	1574	
	Typewriter - Non-portable, Royal, Serial No: KMM-12-2756972, Model MM-12, Elite, Longtail numerals, with 10-keyset decimal tabulators Mfgr. - Royal Typewriter Co.	2022	
	Vacuum pump, motor driven, 220 V - 3 Ph - 60 Cy 15 cu.ft. displacement to operate per min. at 15/2 in vacuum. To include ballast tank and vacuum relief valve to maintain specified pressure Mfgr. - New Jersey Machine Co.	5-3-3	
	Typewriter, Royal, Stnd. carriage up to 18", Serial No: 12-2884845	2023	
23	Venetian Blinds, Large	1570	
	Volumeter, E2R3	2107	
	Welder, Arc - Kraftsman, Model #1131931 Serial #H40P901, Primary volts 220 - KW 8.2 Second Volt 36 - Amps 200, Time Rating ½ Hr. Mfgr. - Kraftsman	1760	
	Welder, Smooth Arc, P & H Hanson, Serial No: 217642, 25 volts; 3500 RPM. With squirrel cage motor. Type H 205 W, 220/440 Volt; 7½ HP; 60 Cy; 3 Ph; 23/115 amps.	1835-1836	

ITEM	DESCRIPTION	PROPERTY NO.	CONDITION
3	Welder, Acetylene. Complete w/cart, hose, torch, & reducing valves Mfgr. - Welder Acetylene	1892	
	Welder, Arc, with motor, P and H Type H 2850, 220/440 V - 56/28 Amps Generator Type WK300, 20 HP - Serial #232972, 3 Ph - 60 Cy. Mfgr. - Harnischfeger Corp., Milwaukee, Wisc.	1895	
4	Wheel barrow, rubber tired	1251, 1165a, b, c	

UNIT	ITEM & DESCRIPTION	CONDITION
7 only	Valves, Iron Ammonia, 1", Used	
3	Ditto, 1/2"	
1	Magnetic Pulley, Dings, with Frame	
1	Spring Front, 1934 Chevrolet Truck	
2	Tees, Pipe 1 1/4" x 1 1/4" x 1"	
3	Tees, Pipe 1 1/4"	
5	Street Ells, 1 1/2" 90 degree	
3	Elbows, Pipe 90 degree, 1 1/2"	
4	Unions, Pipe 2 inch	
2	Street Ells, 90 degree, 2 inch	
6	Elbows, Pipe, 90 degree, 2 inch	
6	Ditto, 45 degree, 2 inch	
2	Reducers, Pipe, 2" x 1/2"	
1	Reducers, Pipe, 2" x 3/4"	
2	Reducers, Pipe, 2" x 1 1/4"	
2	Reducers, Pipe 2 1/2" x 2"	
2	Reducers, Pipe, 2 1/2" x 1"	
19	Couplings, Pipe, 2 1/2"	
7	Elbows, Pipe 90 degree, 2 1/2"	
9	Elbows, 90 degree 2 1/2"	
15	Hose Clamps, 1 1/2" - 12 Ga. Wide	
50	Hose Clamps, 1 1/2" - 12 Ga. Narrow	
75	Hose Clamps, 2" - 12 Ga. Narrow	
75	Hose Clamps, 1 1/2" to 2"	
40 ft	Chain, #145-K	
20 ft	Chain, Roller Chain, #50 Whitney	
10 ft	Ditto, #41	
1 only	Pulley, Cast Iron, 12" Dia. 4" Face	
1	Fan Impeller only, 24" dia.	
50 ft	Asbestos Rope, 1 inch	
100 ft	Wire Cloth, Steel, 28 mesh 40" wide	
1 only	Saw, Cross Cut, 7 ft with handles	
1 sheet	Transite, 1/2", 48" x 65"	
3 sheet	Stainless Steel, 18-8, 8 gauge, 48" x 144"	
1 only	Fixture, Fluorescent, 4 lamp, used	
1 only	Fan Impeller, 28" dia.	
1	Crane, I-Beam 4 inch with Trolley, 10 ft	
1	Ditto, 6"	
1	Shaft, Pinion, Spare Idler, Calciner	
1 pc	Shaft, 5" x 24"	
2 only	Dial indicator, Starrett, with attachments	
1 qt	Steel Blue, Dyken	
2 only	Ball Bearings, SKF #1211 K	
2 lbs	Lead Wire #20	
1 only	Drill, Taper Shank 55/64" High Speed	

UNIT	ITEM & DESCRIPTION	CONDITION
50 only	Perforated Nozzle Plates, for Activator	
6 ft	Pipe, Transite, 3" size	
40 ft	Pipe, 18-8 Stainless, 3/4"	
35 ft	Ditto, 1/2"	
30 ft	Rod, 18-8 Stainless, 3/4" dia	
60 ft	Pipe, 18-8 Stainless, 1"	
16 ft	Bar, 18-8, 1/2" x 2 1/2" Stainless Steel	
11 ft	Shafting, Cold Rolled, 2 1/4"	
5 ft	Ditto, 2 1/2"	
3 ft	Ditto, 2 3/4"	
6½ ft	Ditto, 1 1/2"	
1 only	Sprocket, for H-104 Chain, 6 Tooth, 2 1/4" Bore	
15 only	Steam Gauges, 3", 30 lb, used	
2	Pulley, Cast Iron, 16" dia. 5" face	
1	Control, Maxon Premix	
2	Reducer, Speed, Worm Gear, Bond 1/2HP	
3	Pillow Blocks, Housings Only A-115F Dodge	
1	Reducer, Speed, Boston Worm Drive 1/2HP	
2	Guards, Grinder Wheel, 6" Dia	
1	Pulley, Pressed Steel, Split, 12" Dia 7" Face	
1	Pulley, Cast Iron, 8" Dia 2 1/2"face	
1	Pulley, Paper, Motor 7" dia 3 1/2" face	
1	Pulley, Paper, Motor, 7" dia 5 1/2" face	
2	Rolls, Crusher, 7" x 14", Wagner, spare	
1	Pulley, 3-Sheave, V Belt, 16 inch	
3	Valve, Bodies, Charring Furnace	
6 ft	Hose, Rubber, 4 inch Steam	
30 ft	Ditto, 1 inch	
5 ft	Ditto, 2 1/4"	
4 ft	Ditto, 1 3/4"	
2 ft	Ditto, 3"	
9 ft	Ditto, 1 1/4"	
20 ft	Ditto, 3/4"	
50 ft	Belting, Rubber, 10" 4 ply	
2 only	Belting, Rubber, 14" 4 ply Waytrol, used	
1	Cam Switch, Mercoid, for furnace time control	
140 pcs	Bar 18-8 Stainless 5/8" x 2 1/2"	
50 ft	Hose, Air, 3/8" equipped with hand nozzle	
25 ft	Ditto, 1/4"	
1 only	Sprocket, Triple Roller Chain, Steel 23" dia, new	
1 only	Sprocket, Triple Roller Chain, Steel 23" dia, used	

MACHINE SHOP

UNIT	ITEM & DESCRIPTION	CONDITION
2 only	Impeller, Maxon Premix, spare	
1	Impeller, Fan, 12 inch dia	
1	Ditto, 16"	
1	Sprocket Double Roller Chain, 6" dia 3/4" pitch	
2	Sprocket Triple Roller Chain 5" dia 5/8" pitch	
2	" Single " " 12" dia 5/8" "	
1	" Triple " " 16" dia 5/8" "	
2	" Single " " 3" dia 5/8" "	
2	Journal Bearing, Jeffrey No. 264161	
1	Gear, Bevel Cast Iron, 6" dia	
1	Pattern, Casting, Wood, with Corebox, Kiln Tire	
1	" " " " " Trunnion Brg.	
1	" " " " " Kiln Brg Bedplate	
1	" " " " " Electrode, Quad	
1	" " " " " " , Cyl	
1	" " " " " End Bell, Calc	
1	" " " " " End Bell, Act	
1 lot	" " " " Small Parts, Charring Furnace	
1 pc	Bushing Stock 1" x 10" Cast Iron	
1 pc	Bushing Stock 1" x 14" Cast Iron	
1 pc	Bushing Stock $1\frac{1}{2}$" x 14" Cast Iron	
1 pc	Bushing Stock 1" x $\frac{1}{2}$", 14" Bronze	
1 pc	Bushing Stock $1\frac{1}{4}$" x 3/4", 13" Stonewall	

UNIT	ITEM & DESCRIPTION	CONDITION

MACHINE SHOP

1 pc	Bushing Stock 1 3/8" x 1", 13"	Stonewall
1 pc	" " 1 1/2" x 1", 13"	"
1 pc	" " 1 1/4" x 3/4", 13"	"
1 pc	" " 2" x 1 1/4", 13"	"
1 pc	" " 2" x 1 1/2", 13"	"
1 pc	" " 2 1/4" x 1 1/4", 13"	"
1 pc	" " 2 1/4" x 1 3/4", 13"	"
32 pc	" " 2 1/2" x 2", 13"	Bronze
1 pc	" " 2 1/2" x 1 1/2", 8"	Bronze
1 pc	" " 2 1/2" x 2", 13"	"
1 pc	" " 3" x 2 1/4", 13"	"
1 pc	" " 4" x 3 1/4", 10"	"
1 pc	" " 1 7/8" x 1 3/8", 9"	"
1 pc	" " 4" x 3 1/4", 13"	"
1 pc	" " 6" x 4 3/4", 7"	"
2 pc	Coupling Discs, Flexible, Leather 8" dia 1" thick	
2 pc	Bearing Linings, Motor, G.E. 15 HP 2	
20 ft	Roller Chain, Triple, Rex 50	
50 ft	Asbestos Rope, 1"	
60 ft	Chain No. 78, Jeffrey	
1 only	Sprocket for No. 78 Jeffrey Chain, 24" dia	
1 only	Ditto, 18" dia	
9 ft	Hose, 4" Metal Flexible	
2 bbl	Oil, Transformer	
3 only	Pump, Oil Barrel, Bennett	
2 only	Pump, Oil Barrel, Bantam	
2 only	Tanks, Oil, Bowser 30 gal cap	
105 lbs	Grease, Spring Control Compound	
75 ft	Pipe, 18-8 Stainless, 3 inch	
36 ft	Ditto, 1/2"	
20 ft	Ditto, 1 1/2"	
260 ft	Pipe, Black Iron 1/8"	
20 ft	Ditto, 1/4"	
90 ft	Ditto, 3/8"	
160 ft	Pipe, Galv. Iron 3/8"	
200 ft	Pipe, Black Iron 1/2"	
100 ft	Ditto, 1"	
60 ft	Ditto, 1 1/4"	
40 ft	Ditto, 1 1/2"	
40 ft	Ditto, 2 1/2"	
18 ft	Ditto, 3"	
110 ft	Pipe, 18-8 Stainless, 3" Double Extra Strong	
40 ft	Pipe, Duraloy Alloy, 1½" Cast	
6 ft	Rod, Black Iron, 1½"	
80 ft	Ditto, 3/4"	
12 ft	Ditto, 1"	
1 only	Ladder, 12 ft	
1	Ladder, Step, 6 ft	
1	Plate, Mild Steel, 1/2", 8 ft x 11½ ft	
1	Ditto, 3/8", 5½ ft x 10 ft	
1	Ditto, 1/2", 4 ft x 6½ ft	
1	Ditto, 3/4", 3½ ft x 4½ ft	
5	Wrenches, End, Large	
2	Clamps, "C", 6"	

MACHINE SHOP

UNIT	ITEM & DESCRIPTION	CONDITION
4	Ditto, 4"	
1 only	Rolls, Sheet Metal Forming, 36"	
1	Shear Bench, Sheet Metal, 4" Cut	
2	Vise, Bench, Machinists, Reed No. 2C	
1	Vise, Drill, 3"	
1	Vise, Prentiss Bulldog #518, Bench, 6 inch	
1	Vise, Columbian, No. 604 1/2, Bench	
1	Stand, Blacksmiths Roll, Adjustable, CWS No. 1863	
2	Stand, Blacksmiths Roll, Non-Adjustable	
1	Anvil, Blacksmiths, 100 lb	
1	Forge "	
1	Water Bath " , on Casters, CWS No. 1856	
1	Radiator, Cast Iron, 9 Section	
8	Tips, Acetylene Torch	
1	Table, Steel, Welders, 4 ft x 6 ft 1/2" Steel Top	
27	150 Watt Standards	
66	100 Watt Standards	
44	40 Watt Fluorescents, 48"	
6	100 Watt Fluorescents, 60"	
32	200 Watt Standards	
4	150 Watt Reflector Flood Lights	
90	7½" White Coated Globes	
3	40 Watt Red Globes	
8	200 Watt Silvered Bowl Globes	
1	Reeves Belt, Endless Rubber V, Size #25	
32	Toilet Seat Covers, Conseco Self-disposing	
29 cans	13 oz Cans Watch Dog Lye	
36 cans	Old Dutch Cleanser	
50 ft	1½" Fire Hose, Cotton, New (1 length)	
4 only	Scoop Shovels, Long Handle	
1	Pick Handle	
1	Single Bit Ax Handle	
1	Scythe with Two Blades	
2	Brooms, Warehouse, New	
10,000	14 Gauge Wire Ties	
10	Lamp Guards, Wire	
10	Rubber Safety Handles	
700 lbs	Welding Rod, 3/16" P & H "Electrodes"	
30 lbs	Boraxo, Powdered Soap	
25 gal	Euchrelyptum, Disinfectant	
18 rolls	"Fabrik" Toilet Paper	
10 gal	"Solio", Disinfectant	
50 ft	1/2" Clean-out Snake	
14 only	16" Dia. Steel Saws, 11 ga. 28 Teeth, 1 13/16" Eye, 2 Keyways 3/8 x 3/16	

CARBON PLANT

UNIT	ITEM & DESCRIPTION	CONDITION
25 only	Saws, Circular, 16 inch, Good Condition	
30	Saws, Circular, 13 inch, poor condition	
19	Emery Wheels, 8" dia, 3/4" Thick, New	
9	Emery Wheels, 8" dia, 3/8" Thick, New	
1 box	Parts, Repair for Covell-Hanchet Grinder	
1 only	Socket Wrench, Speed Handle, 7/8"	
1	Socket Wrench, Tee Handle, 7/8"	
1	Grease Gun, "Alemite Gat Gun"	
4,325 lbs	Graphite, #16 Mexican, in 25 lb Bags	
1 only	Barrel Hooks and Chain	
1	Barrel Rack, Steel, 3 bbl	
2	Jacks, Lift, Joyce, 5 ton	
1	Stepladder, 14 ft	
1	Lockers, Wood, 3 unit	
1	Stepladder, 5 ft	
50 ft	Hose, Rubber, 1/2 inch Air	
5 only	Cords, Portable Extension, 50 ft 2 conductor	
1	Vise, Pipe, Portable on Tripod, Williams No. V-1	
2	Dolly, Timber, 5 inch roll	
1	Welder, Table, Steel, 4 ft dia	
4	Clamps, "C", 4 inch	
2	Clamps, "C", 12 inch	
4	Shovels, Scoop, Short Handled	
3	Ditto, Long Handled	
10	Shovels, Square Nose	
3	Shovels, Round Nose, Long Handled	
2	Picks, Miners	
5 pr	Tongs, Blacksmiths	
1 only	Wrench, Pipe, 36"	
1	Bolt Cutters, 36"	
2	Drills, Star, 1/2"	
1	Sledge, 16 lb Blacksmiths	
1	Bar, Pry, 60"	
1	Extension Ladder, 32 ft	
1	Pyrometer, Bristol Portable 0-2400 degrees F	
1	Vise, Pipe, CWS No. 612	
1	Vise, Bench, Machinists, 4½"	
1	Bench, Wood, Metal Top, Built-in cupboard, 3 ft x 10 ft	
2	Cupboard, Wood, 4 ft x 6 ft 18" deep	
2	Lockers, Wood, 3 individual	
420 pcs	Pipe, extra strong 3", 24" long	
1,260 pcs	Pipe, extra strong 3", 4" long	
~~51,612 lbs~~	~~Whetlerite, Type ASC, Grade 2 (Surplus property sold by WAA.)~~	

WHETLERITE PLANT

UNIT	ITEM & DESCRIPTION	CONDITION
1 only	Barrel Hooks with Chain	
5	Oilers, Hand, 1 pt	
1	Sledge Hammer, 10 lb	
4	Stove Pipe, 3 ft lengths, new	
1	Cradle, Barrel Hoist	
1	Wrench, Pipe, 48"	
5	Weights, Scale Test, 10-50 lb	
1	Ice Box, 3 ft x 5 ft Inside	
1	Lockers, Wood, 6 Individual	
1	Switchboard, Power, 22 Disconnects, Bus, etc. compl	
1	Switchboard, Lighting, 20 Circuit	
2	Stepladder, 5 ft	
8	Wrenches, Barrel Top	
1	Pyrometer, Bristol Portable, 0-2500 degrees F	
1	Stepladder, 8 ft	
1	Tool Box, Wood, 2" Plank, 26" x 64"	
1	Desk, Wood, Poor Condition	
50 ft	Hose, Rubber, Water, 3/4"	
50 ft	Hose, Rubber, Air 1/2"	
50 ft	Hose, Rubber, Steam 3/4"	

W A R E H O U S E

UNIT	ITEM & DESCRIPTION	CONDITION
1429 only	Kiln Liners, Arco, Refractory, 80-10¼" x 12"	
22	Electrode Blocks, Refractory No. 3	
62	Nozzle Blocks, Refractory, No. 2	
200 ft	Rubber Hose, 1", on Portable Wood Reel	
1 lot	Patterns, Wooden, for Castings	
6 only	Wash Basins, Cast Iron, Vitreous Enamelled, used	
1 lot	Wood Sash, Glazed, various sizes, used	
175 pcs	Plaster Board, 16" x 48"	
20 pcs	Wall Board, 1/2" thick, 4 ft x 8 ft	
2 bx	Glass Window various sizes	
192 pcs	Insulating Blocks, J-M Superex, 3" x 6" x 36"	
1 roll	Asbestos Paper, 1/16" thick, 36" wide	
1 only	Tank, Galv. Hot Water, 40 ga. used	
1 only	Reducing Valve, 1/2 inch, 50 lb stream	
1	Screen, Vibrating Magnetic, Tyler "Hummer" CWS #331	
14,533	Plates, Steel, 3/8" thick 4-5/8" dia Furnace, used, approx.	
7,693	Plates, Steel, 3/8" thick, 4-5/8" dia Furnace, new approx.	
2 bbls	Raschig Rings, 1/2" x 1/2"	
1 only	Hangers, Shafting, with Shifter, 1", 5 ft long	
1	Stand, Iron Wash Basin, Triple, used	
650	Hexahelix Tile, 3 x 3 inches	
1	Table, Wood, 3 ft x 7 ft 32 Inch	
2	Car Movers, Advance	
1	Screen, 165 Mesh Stainless Steel, 36" x 60" new	
2	Clamps, Tyler Vibrating Screen, Tension, new	
150 ft	Hose, Cotton, 1 1/2 inch, Fire	
3 only	Nozzles, Brass, 1 1/2"	
1	Spray Gun, Paint, DeVilbiss	
1	Spray Gun, Paint, Sears	
50 ft	Hose, Air, 1/4"	
1 only	Reducing Valve, Air 100 lb	
1	Gauge, Air, 3" 0-100 lb	
20 gal	Sodium Silicate, Steel Drum approx.	

MAIN OFFICE BUILDING

UNIT	ITEM & DESCRIPTION	CONDITION
1 only	Cabinet, Map File, Wood, 8 drawers, CWS 584	
1	International Time Clock with Card Racks, CWS 889	
4	Winchester Riot Guns, 12 ga Model 97, CWS 296 CWS 881, 882, (?)	
1	Colt, Revolver, 32-20 with holster, CWS 883	
1	Electric Heater (Guard-House)	
1	Triner Precision Postal Scale	
3	Blankets, Gray Wool	
1	Bulletin Board, wooden, CWS 1576	
1	Pair of adjustable horses for drafting boards CWS 675	
1	Waste Baskets, steel, 11" top	
4	Ditto, 13" top	
1	Ditto, 15" top	
1	Garbage Pail, Sanette	
1	Stepladder 4 ft	
1	Rubber door mat 16-½" x 25"	
1	Wire letter tray tier for desk, 3-tier	
1	Pencil Sharpener and clamp	
1	Flashlight, 3 cell, per-focused	
1	First Aid Kit	
2	Weighing Scoops, Aluminum, 2-7/16" dia	
2	Beaker Tongs	
9	Crucible Tongs	
13	Filter Pumps	
6	Test Tube Holders	
16	Pinch Clamps	
8	Screw Clamps	
1 set	Cork Borers w/sharpener	
3 only	Spatulas	
1	Ice-Crushing Machine	
5	Fisher Burette Stands	
4	Ring Stands	
2	Mortars and Pestles	
1	Screwdriver	
1	Hammer	
1	Pipe Wrench	
9	Burette Clamps	
6	Bunsen Burners	
5	Rings for Ring Stand	
2	Tripods	
1	4-Hole Funnel Rack (screw type for ring stand)	
1	Pressure Gauge and Reduction Valve for Oxygen Tank	
1	Oil Can and Bracket	
1	Balance Cover	
4	Needle Valves	

OFFICE & LABORATORY

UNIT	ITEM & DESCRIPTION	CONDITION
1 only	BOOK, "Principles of Chemical Engineering" - Walker Lewis McAdams & Gilliland - McGraw Hill	
1	BOOK, "Handbook of Chemistry & Physics" 24th Edition Pub. by Chem. Rubr Pub. Co. 1940-41	
1	BOOK, "Machinery's Handbook, 10th Edition"	
1	BOOK, "Chemical Warfare" Prices West	
1	BOOK, "Chemicals in War" A. M. Prentiss	
1	BOOK, "Van Nostrand's Chemical Annual"	
1	BOOK, Desk Dictionary, Webster Coll. 5th Edition	
1	BOOK, "War Department Correspondence File" Rev. Edition	
1	Pencil Sharpener and Clamp	
1	Steel Tape, 100 ft Grad. Ft., In., & 8ths. Lufkin #546	
1	Tape Rule, 6' w/case	
1	Cutter, Paper, 12" (Wesco Trimmer)	

LABORATORY SUPPLIES

UNIT	ITEM & DESCRIPTION	CONDITION
10	Beakers, 50 ml	
10	Beakers, 100 ml	
5	Beakers, 250 ml	
2	Beakers, 500 ml	
1	Beaker, 1 liter	
1	Beaker, 2 liter	
4	Beakers, 600 ml	
1	A- Bottles, Aspirator Tubular at bottom, 500 ml (pyrex)	
2	" " " " " 2 liter	
1	" " " " " 3 liter	
2	" " " " " 10 liter	
2	B- Bottles, Glass Stoppered 125 ml	
3	" " " 250 ml	
16	" " " 500 ml	
19	" " " 1 liter	
4	C- Bottles, Narrow Mouthed clear glass, 250 ml	
18	" " " " " 500 ml	
11	" " " " " 1 liter	
5	" " " brown " 500 ml	
19	D- Bottles, Wide Mouthed, 125 ml	
1	" " " 250 ml	
22	" " " 500 ml	
21	" " " 1 liter	
2	E- Bottles, Dispensing 250 ml	
6	F- Bottles, Carboys, 3 gal	
11	" " 5 gal	
1	G- Bottles, Indicator 50 ml	
4	" " 125 ml	
8	H- Bottles, Acid 2 1/2 liter	
4	I- Bottles, Screw Cap. 1 gal	
9	J- Bottles, Reagent 250 ml	
13	" " 500 ml	

UNIT	ITEM & DESCRIPTION	CONDITION
2	K- Bottles, Weighing, 25 x 40 mm	
1	" " 25 x 30	
1	" " 30 x 60	
1	" " 30 x 40	
7	" " 15 x 50	
11	" 5 gal	
7	" 2 1/2 gal	
5	" 1 gal, glass stoppered	
96	" 1/2 gal, Mason Jars	
1	Burettes, Exax 5 ml	
10	" " 10 ml	
4	" Normax 50 ml	
3	" Exax 50 ml	
5	" Mohr 50 ml	
5	" Schellbach 50 ml	
2	" Exax 100 ml	
2	" Mohr 100 ml	
4	" Schellbach 100 ml	
	" Gas 100 ml	
3	" dispensing 500 ml	
	" Misc.	
32	Bulbs, Rubber, Plain	
13	Bulbs, Rubber, inlet & outlet	
2	Brushes, 1/2"	
1	" 1/8"	
1	" 1 1/2"	
1	" 4"	
6	" Camels hair	
1	" Steel	
1	" Sieve	
3	" Burette	
14	" Test Tube, assorted	
2	" Funnel	
2	Bulletin Boards	
3	Condensers, Glass	
5	Desiccators	
2	Desiccator Heater	

UNIT	ITEM & DESCRIPTION			CONDITION
6	Element Replacements for Elect. Heater			700 WT
6	" " " "			800 WT
81	A- Flasks, Erlenmeyer, pyrex			50 ml
1	" " "			125 "
23	" " "	narrow mouthed		250 "
12	" " "	wide mouthed		250 "
10	" " "			300 "
21	" " "			500 "
6	" " "			750 "
6	" " "			1 liter
1	" " "			2 "
6	" " "	glass stoppered		500 ml
1	" " "	" "		1 liter
10	B- Florence, Flask			1 "
9	C- Volumetric Flask			125 ml
3	" "			250 ml
3	" "			500 ml
4	" "			1 liter
7	D- Vacuum "			
2	E- Kjeldahl "			500 ml
1	A- Funnels, Buchner			8"
2	" "			4"
5	B- " Burette			
2	C- " Filter			8"
3	" "			3½"
13	" "			2½"
2	" "			5¼"
5	" "			3¼"
4	" "			2"
2	" "			4"
2	" "			3"
1	D- " Fluted			5"
2	E- " Separatory			500 cc
18	F- " Sintered			
1	G- " Dropping			

UNIT	ITEM & DESCRIPTION	CONDITION
2	Filter Cones	5 1/2"
100 ft	Fine Iron Wire	
1	Glass Turn Table	
2	Glass Stoppered U Tubes with side arms	
1 pair	Glass Balance pans & handles	
7	Glass T's	
1	Graduates	10 ml
6	"	25 ml
3	"	100 ml
1	"	50 ml
4	"	250 ml
2	"	500 ml
4	"	1 liter
61	Hydrometer Cylinders Wicks--4	1"x6"
3	" "	2"x15"
6	" "	1½"x12"
4	Hopkins Heads	
1	Hydrometer 1.200-1.400	
2	" 1.660-1.130	
4	" 1.120-1.190	
1	" 1.000-1.200	
1	Leveling Bulbs	250 ml
3	Pipettes, Exax	2 ml
4	" Normax	2 ml
4	" Graduated	5 ml
9	" Exax	10 ml
3	" Normax	10 ml
4	" Graduated	10 ml
1	" Exax	20 ml
6	" Normax	25 ml
4	" Exax	25 ml
0	" Normax	50 ml
2	" Exax	50 ml
3	" Normax	100 ml

UNIT	ITEM & DESCRIPTION	CONDITION
5	Plates, (desiccator)	9"
1	" "	5½"
2	PS Tube Fillers	
4	Pipe Stem Tri.	
2	Pipette Racks	
1	Psychrometer	
5	Pie Pans	
1/4 box	Paper, Filter	No. 1 -7.0cms.
1/2 box	" "	No. 1 18.5cms.
3 "	" "	No. 1 15.0cms.
4 "	" "	No. 30 11.0cms.
2 "	" "	No. 42 11.0cms.
1 "	" "	No. 31 11.0cms.
1 "	" "	No. 1 11.0cms.
1 "	" "	No. 7 11.0cms.
1 "	" "	No. 4 15.0cms.
1 "	" "	No. 201 20.0cms.
1	Rubberized Sheets	4-1/2x3
1	" "	3x3
1	" "	1-1/4x3
22	Test Tubes, soft glass	3/4x6
8	" " pyrex	3/4x6
19	" " "	1" x 8
14	" " "	1" x 6
2	Tweezers	
1	Thermometers	0-100c x 10ths
1	"	17-32c x 50ths
1	"	-10-150 x 1
2	"	0-220F x 1
2	"	-40-120F x 1
8	"	20-120F x 1
8	"	-5-360c x 1
1	"	0-250c x 1
1	"	-5-200c x 1
2	"	15-220F x 1
1	" (Metal) case	100-300F x 1
1	"	-10-110C x 1
1	"	0-360C x 1

UNIT	ITEM & DESCRIPTION		CONDITION
2 doz	Stirring Rods		
2	Silver Determining Apparati		
2	Sieve Pans	#12	
2	Sieve Pans	#16	
3	Sieve Pans	#20	
2	Sieve Pans	#30	
1	Sieve Pan Bottom		
2	Sieve Pan Tops		
4"	Wire Screen		
3 pr	Scissors		
42	Glass Stopcocks (assorted)		
	Soldering Iron		
1	Solder Master No. 71		
150	Toggle Clamps		
3	Watch Glasses	3"	
4	" "	3½"	
7	" "	4"	
6	" "	6"	
1	" "	7"	
2	Witte Plates	22mm	
1	Atomizer		
2	Aluminum Balance Pans with counter Balances		
20 lbs	Assorted Sizes Rubber Stoppers		
2 lbs	Assorted sizes corks		
75 ft	Assorted Sizes Rubber Tubing		
136	Canister Bottom		

UNIT	ITEM & DESCRIPTION	CONDITION
7	Tubes $CaCl_2$ 5"	
2	" " 7"	
13	Clip boards	
1	Gas Erlenmeyer Flask Dryer	
10 lbs	Glass Tubing (assorted sizes, pyrex)	
2	Dishes, Porc. Evaporating No. 0	
2	" " " No. 000	
18	" Glass Crystallizing	
7	Standard Offices for Resistante Meter	
6	Capillaries for Resistante Meter	
10	Service Gas Masks and Training Masks	
180	1/2 pt. cans (tin)	
72	Salve cans (tin) large	
65	Salve cans (tin) small	
23	1/4 pt. cans	
385	Quart tin cans	
400	1/2 gal. tin cans	
80	Gal tin cans	
200	Quart Fibreaard cans	
500	1/2 pt. cans	

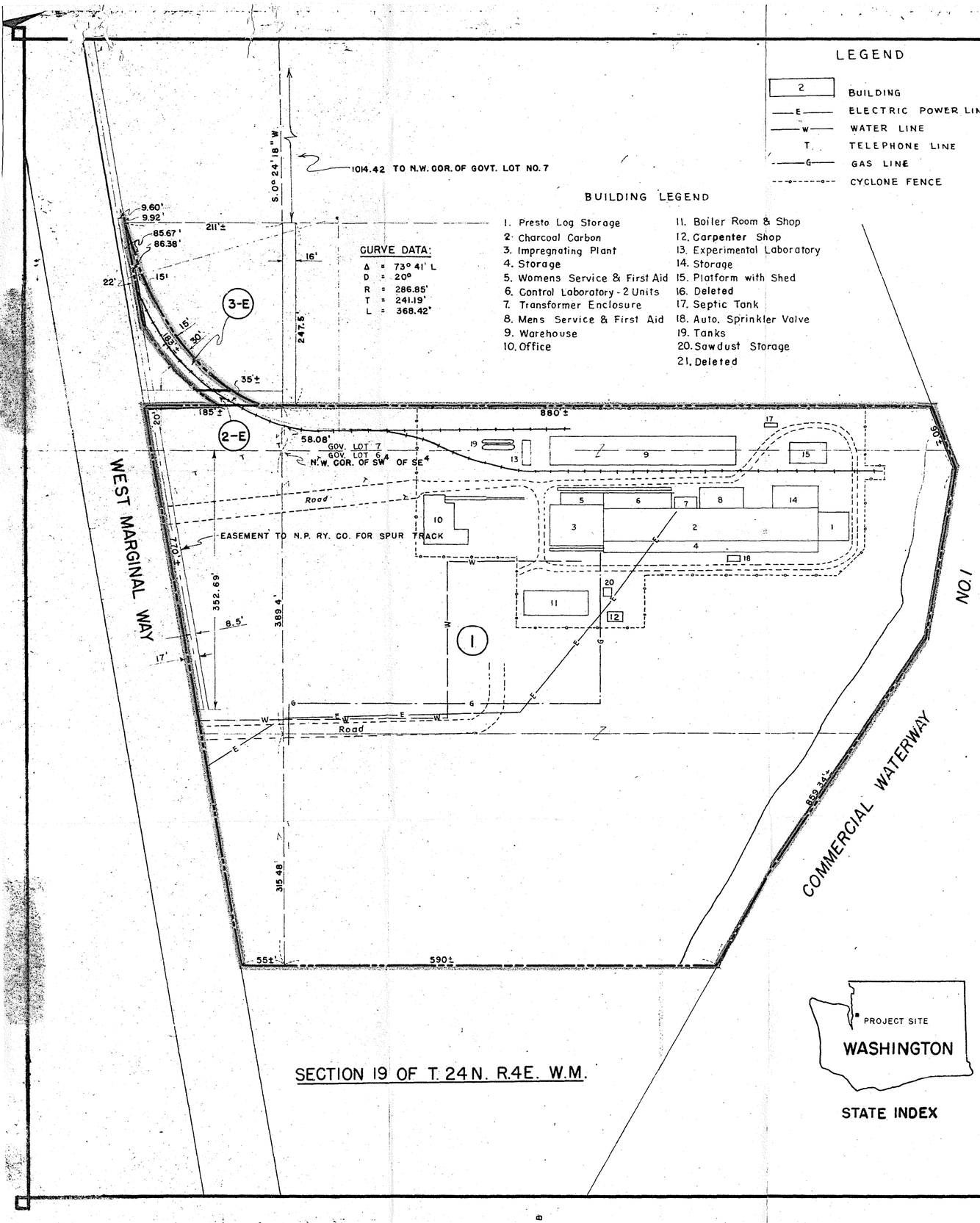
CHEMICALS

UNIT		ITEM	CONDITION
1	lb	Gum Arabic	
1/4	"	Gum Guiac	
1/2	"	Act. Alumina	
1	"	Boric Acid CP	
1	"	Aersol	
6	oz	Arseneous Acid CP	
1	lb	Oxalic Acid CP	
1 doz	sheets	Aluminum 4 x 4	
1	lb	Ammonium Bifluoride Cp	
1 1/2	"	Amm. Acetate CP	
2 1/4	"	Amm. Carbonate CP	
1	"	Amm. Chloride CP	
3/4	"	Amm. Oxalate CP	
2/3	"	Amm. Fluoride CP	
3/4	"	Ascarite	
1	"	Soda Lime Tech.	
1	"	Dehydrite	
5 3/4	"	Barium Chloride CP	
1/2	"	Calcium Carbonate CP	
3 1/2	"	Chrom. Trioxide CP	
1/4	"	Copper Sulphate CP	
1	"	Metallic Copper Powder	
1/4	"	Diphenylamine (purified)	
1/4	"	Ferrous Sulphate	
1	pint	Glycerine CP USP	
3	tubes	Lubri Seal	
5	grains	Gold Chloride	
4	lb	Calcium Chloride Anhyd.	
5 1/2	"	Iodine CP	
1/2	"	Iron Wire for Standardizing	
1 1/4	oz	Methyl Red Chrystal	
2	"	Potassium Iodate	
1/2	"	Methyl Orange Solid	
1	"	Red Congo	
35	gms	Phenyl Naphthylamine	
7	"	Dimethlaminobenzaldahyde	
3	lb	Mercury	
1 1/4	oz	Phenolphthalein	
1 1/4	lb	Litharge (Comm.)	
10	oz	Lead Acetate CP	
12	"	Mercuric Bromide CP	
6 1/4	lb	Mercuric Chloride CP	
2	oz	Potassium Bitartrate CP	
6	"	Pot. Biphthalate CP	
2	lb	Pot. Chromate CP	
2	"	Pot. Ferrocyanide CP	

UNIT	ITEM	CONDITION
1 lb	Pot. Dichromate CP	
5 1/2 "	Pot. Iodide CP	
2 1/2 "	Pot. Dichromate (Tech.)	
1 1/2 "	Pot. Permanganate CP	
1/2 "	Pot. Chlorate	
3/4 "	Potato Starch	
1 "	Sodium Carbonate CP	
11 lb 3 oz	Silver Nitrate CP	
12 oz	Sodium Sulphite CP	
12 1/2 lb	Sod. Bicarbonate CP	
1 "	Sod. Bisulphite CP	
5 "	Sod. Thiosulphate CP	
1/4 "	Sod. Oxalate CP	
1/2 "	Sod. Fluoride CP	
10 oz	Sod. Chloride (Annalyt. Reagent)	
1 1/2 lb	Sod. Dichromate (Tech.)	
1 1/2 oz	Stannous Chloride (Annalyt Reagent)	
14 lb	Sodium Chloride (Tech.)	
3 1/2 "	Sod. Hydroxide CP	
9 "	Sod. Peroxide CP	
4 "	Sod. Phosphate CP	
2 "	Sod. Hydroxide (Stick) CP	
5 "	Amm. Sulphate CP	
3/4 "	Zinc Metal Analyt. Reagent	
1 1/4 "	Zinc Metal CP (Mossy)	
2 1/2 "	Zinc Metal CP (Stick)	
2 1/4 "	Asbestos Med. Fibre	
6 "	Amm. Carbonate (Lump) CP	
12 "	Cupric Carbonate CP	
7 "	Sodium Sulphate CP	
2 "	Ferric Amm. Sulphate CP	
1/2 gal	Silica Gel	
1 lb	Vasoline, White	
2 "	Calcium Chloride (Tech.)	
2 "	Sod. Hydroxide Med. Flake	
8 "	Magnesium Arsenite	
10 "	Pyridine	
4 "	Tri Sod. Phosphate (Tech)	
1/2 "	Pumice Gran.	
1 "	Glass Wool	
1 gal	Alcohol Methanol CP	
200 lb	Mag. Arsenide	

MISCELLANEOUS

UNIT	ITEM	CONDITION
1	Buzzer System, CWS 586	
1	Electric Drying Oven, CWS 279	
1	Fan, Ventilating I.G.L. CWS 472	



SECTION 19 OF T. 24 N. R.4E. W.M.

LEGEND

- 2 — BUILDING
- —E— ELECTRIC POWER LINE
- —W— WATER LINE
- T — TELEPHONE LINE
- —G— GAS LINE
- ---------- CYCLONE FENCE

BUILDING LEGEND

1. Presto Log Storage
2. Charcoal Carbon
3. Impregnating Plant
4. Storage
5. Womens Service & First Aid
6. Control Laboratory - 2 Units
7. Transformer Enclosure
8. Mens Service & First Aid
9. Warehouse
10. Office
11. Boiler Room & Shop
12. Carpenter Shop
13. Experimental Laboratory
14. Storage
15. Platform with Shed
16. Deleted
17. Septic Tank
18. Auto. Sprinkler Valve
19. Tanks
20. Sawdust Storage
21. Deleted

CURVE DATA:

Δ = 73° 41' L
D = 20°
R = 286.85'
T = 241.19'
L = 368.42'

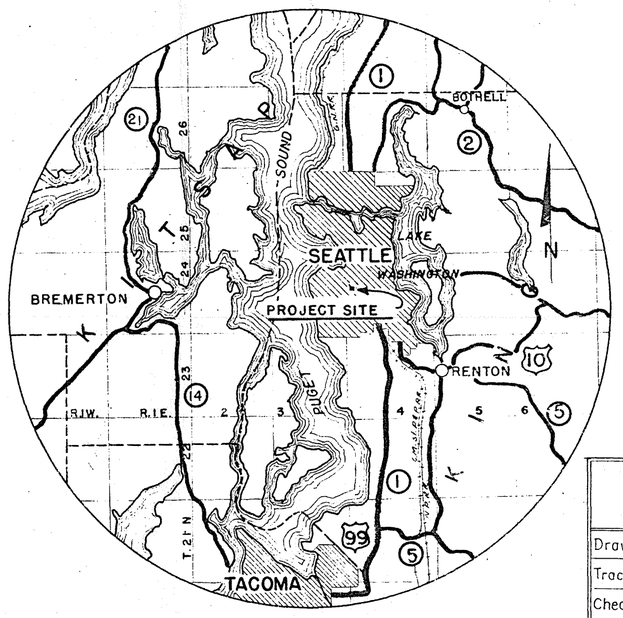
ACQUISITION TRACT REGISTER

TRACT NO.	LAND OWNER	ACREAGE FEE	ACREAGE EASEM'T	REMARKS
1	W.A. Carlisle, et al	15.60		
2-E	Duwamish Shipyard Inc.		0.032	Formerly shown as Tract No. 2
3-E	General Construction Company		0.145	" " " " 3

LEASING AUTHORIZATION

Letter from O.C.E.
Dated 22 April 46

NOTE: Bldgs. 16 (Gate House) & 21 (Oil Storage) removed 23 June 48 by Dept. of the Army. Otherwise map reflects status as of the original date of lease, 31 Jan. 47.



VICINITY MAP

—SCALE—

0 5 10 20
MILES

STATE INDEX

LAND MANAGEMENT

(TYPE OF MAP)

STATE WASHINGTON
COUNTY KING
DIVISION SEATTLE
DISTRICT NORTH PACIFIC
SIXTH ARMY AREA
USING AGENCY CHEM. WARFARE SER.
~~MILES~~ AT ~~OF~~ SEATTLE
MILES OF

— TRANSPORTATION FACILITIES —

C.M. ST.P.&P., G.N., N.P. & U.P. RAILROAD
2, 5 & IK STATE ROAD
10 & 99 FEDERAL ROAD
N.W. & UNITED AIRLINE

— ACQUISITION —

TOTAL ACRES ACQUIRED
ACRES FEE
ACRES LEASED BY W. D.
ACRES LEASED FROM W. D.
ACRES EASEMENT TO W. D.
ACRES DONATED TO W. D.

— DISPOSAL —

TOTAL ACRES DISPOSED OF
ACRES TRANSFERRED
ACRES EXCHANGED
ACRES IN THIS LEASE 15.777

— LEGEND —

BOUNDARY LINE
STATE OR PROVINCE LINE
COUNTY LINE
CIVIL DISTRICT PRECINCT
LAND-GRANT LINE
CITY, VILLAGE, OR BOROUGH
CEMETERY, SMALL PARK, ETC.
TOWNSHIP LINE
SECTION LINE

— Scale —

0' 100' 200'
1" = 100'

DEPARTMENT OF THE ARMY
OFFICE OF THE DISTRICT ENGINEER
SEATTLE DISTRICT

Drawn By: .....
Traced By: .....
Checked By: .....

SUBMITTED BY: F.A. Munro
CHIEF, CADASTRAL SEC.

RECOMMENDED BY:
CHIEF, REAL ESTATE DIV.

REAL ESTATE

LEASE TO REICHHOLD CHEMICALS INC.

SEATTLE CHEMICAL WARFARE SERVICE PLANT

Lease No. W35-063 eng 126

APPROVED: H. M. Kent DATE: 24 May 48
DISTRICT ENGINEER

Supersedes map, file no. 192 A

SE-RE 25 B

EXHIBIT "C"

5-B

LAND MANAGEMENT

PROJECT MAP

AGENCY: DEPARTMENT OF THE ARMY
STATE WASHINGTON
COUNTY KING
DIVISION NORTH PACIFIC
DISTRICT SEATTLE
ARMY AREA SIXTH

LOCATION OF PROJECT

IN ~~MILES~~ ~~OF~~ SEATTLE
~~MILES~~ OF

TRANSPORTATION FACILITIES

RAILROADS
STATE ROADS
FEDERAL ROADS
AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED
ACRES FEE
ACRES TRANSFERRED
ACRES LEASED
ACRES LESSER INTERESTS

DISPOSAL

TOTAL ACRES DISPOSED OF
ACRES SOLD
ACRES TRANSFERRED
ACRES LEASES TERMINATED
ACRES LESS. INT'S. TERMINATED
ACRES REASSIGNED
ACRES TO

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW, MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 22.

RESERVATION LINE
RESERVATION LINE (Actual Survey)
TRACT BOUNDARY LINE
TRACT NUMBER
AVIGATION EASEMENT
CONTOUR LINE
DISPOSAL

LEGEND

Gov't. Property
Gov't. Property Removed
Reichold Chem. Inc. Property
Gravel filled Drainage Ditch
Open ditch

Tract 3-E 0.145 ac. Easement from Gen. Constr. Co.
Tract 2-E 0.032 ac. Easement from Duwamish Shipyard Co.

BUILDING LEGEND

1 - Presto Log Storage
2 - Charcoal Carbon
3 - Impregnating Plant
4 - Storage
5 - Womens Service & First Aid
6 - Control Laboratory – 2 Units
7 - Transformer Enclosure
8 - Mens Service & First Aid
9 - Warehouse
10 - Office
11 - Boiler Room & Shop
12 -
13 - Experimental Laboratory
14 - Storage
15 -
16 -
17 - Septic Tank
18 - Auto. Sprinkler Valve
19 - Tanks
20 - Sawdust Storage
21 - New Boiler Room
22 - Oil Storage Tank
23 - Underground Gasoline Storage Tank & Pump

Open Ditch
R.R. Gate
R.R. Spur No. 4
R.R. Spur No. 3
PIPE TRESTLE OVERPASS
Gate No. 1
Gate No. 2
Gate No. 3
Parking Area
ACCESS ROAD
Fee Title acquired subject to Easement to N.P. Ry. Co. dated 31 March 1942 for spur track
TRACT NO. 1
15.60 Ac.
PIPE TRESTLE
HYDRANT
S.T.
2" GAS LINE
HIGH VOLTAGE LINES
VALVE BOX
R.R. Spur No. 2
GRAVEL & CRUSHED ROCK SURFACE FILL
Easement to N.P. Ry. Co. 11 October 1956.
3' Gate
SEALED
West Line Commercial Waterway
S13°45'54"W
Old Meander Line Duwamish River - Easterly Boundary Government Owned Tract Westerly Boundary of Commercial Waterway District No. 1 Property
S32°51'01"W 393.3'
S29°07'49"W 145'±
55'±
590'±
Gas line
Fire line, water
Service line, water
Drainage

DATE	REVISIONS	BY
29 Sept. 61	Revised to current status after restoration by lessee.	RGG
29 Sept. 61	Revised Boundary Line per survey data	L.F.
8 Oct. '57	Added gas line. Deleted impounding basin.	[illegible]
1 Oct 57	Revise reservation line	H2
6 July 56	Brought up to date	CMB
26 Jan. 56	Condition to date	CMB

DEPARTMENT OF THE ARMY
OFFICE OF THE SEATTLE DISTRICT ENGINEER
NORTH PACIFIC DIVISION

DRAWN BY CMB
TRACED BY CMB
CHECKED BY
SUBMITTED BY:
RECOMMENDED BY:
APPROVED BY:
DATE 26 Jan. 1956

REAL ESTATE

SEATTLE CHEMICAL CORES REAR LAND
MILITARY RESERVATION

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D. C.
INSTALLATION OR PROJECT NO.
Scale 0 50 100 150 1" = 50'
SHEET 1 OF 1 DRAWING NO. SE RE 25.

STANDARD FORM 118a
DECEMBER 1953
PRESCRIBED BY GENERAL SERVICES ADMINISTRATION REGULATION 2-IV-201.00

BUILDINGS, STRUCTURES, UTILITIES, AND MISCELLANEOUS FACILITIES

SCHEDULE A—SUPPLEMENT TO REPORT OF EXCESS REAL PROPERTY

1. HOLDING AGENCY NO. NPSRE-MD-242

2. PAGE 1 OF 3 PAGES OF THIS SCHEDULE

GSA CONTROL NO. (*GSA use only*)

3. ANNUAL RENTAL

LINE NO. (a)	HOLDING AGENCY BUILDING NO. (b)	DESCRIPTION (c)	COST (d)	OUTSIDE DIMENSIONS (e)	FLOOR AREA (*Sq. ft.*) (f)*	NO. OF FLOORS (g)*	CLEAR HEADROOM (h)*	FLOOR LOAD RANGE (i)*	RESTRICTIONS ON USE OR TRANSFER OF GOVERNMENT INTEREST (j)
1	1	Presto Log Stge;frame&corr. metal	$ 1,561.	40'x 43'	1,720				
2									
3	2	Charcoal Bldg; steel frame & corr.	36,212.	44'x282'	12,408				
4		metal; concrete floor							
5									
6	3	Whetlerite Bldg; steel frame &	15,639.	56' x 81'	4,536				
7		corr. metal; concrete floor							
8									
9	4	Barrel Stge.(lean-to portion of	5,640.	16'x282'	4,512				
10		Bldg.No.2) frame & corr. metal;							
11		concrete floor							
12									
13	5	Women's Service Bldg. (converted	5,984.	16'x68'	1,088				
14		to office & Lab.)frame on concrete							
15		floor							
16									
17	6	Lab., frame&clay tile; conc.floor	9,945.	21'x76'	1,596				
18									
19	7	Transformer Enclosure; man-proof	900.	8'x12'	96				
20		fence w/clay tile Bldg., approx.							
21		8' x 12' x 12' high							
22									
23	8	Men's Service Bldg; frame & conc.	13,875.	31'x60'	1,860				
24		block on concrete floor							
25									
26	9	Warehouse-Shop; frame on conc.floor	11,693.	37'x250'	10,546				
27				24'x54'					
28									
29	10	Office, frame on concrete floor	17,064	67'x39'6"	3,039				
30				20'x19'6"					
31									
32	11	Boiler Room - Shop; steel frame &	7,752	32'x85'	2,720				
		Sub-TOTAL	126,265.		44,121.				

*Prefix figures with symbols to denote type of space, as follows: (a) for office; (b) for storage; (c) for other.

16—00841-1 U. S. GOVERNMENT PRINTING OFFICE

FILE COPY

CORRECTION

STANDARD FORM 118a
DECEMBER 1953
PRESCRIBED BY GENERAL SERVICES ADMINISTRATION REGULATION 2-IV-201.00

BUILDINGS, STRUCTURES, UTILITIES, AND MISCELLANEOUS FACILITIES

SCHEDULE A—SUPPLEMENT TO REPORT OF EXCESS REAL PROPERTY

1. HOLDING AGENCY NO. NPSRE-MD-242B - 4 SEP 1963

2. PAGE 2 OF 4 PAGES OF THIS SCHEDULE

GSA CONTROL NO. (GSA use only)

3. ANNUAL RENTAL

LINE NO. (a)	HOLDING AGENCY BUILDING NO. (b)	DESCRIPTION (c)	COST (d)	OUTSIDE DIMENSIONS (e)	FLOOR AREA (Sq. ft.) (f)*	NO. OF FLOORS (g)*	CLEAR HEADROOM (h)*	FLOOR LOAD RANGE (i)*	RESTRICTIONS ON USE OR TRANSFER OF GOVERNMENT INTEREST (j)
1		corr. metal on concrete floor							
2		(Boiler Room equiomont has been							
3		removed)							
4									
5	13	Experimental Lab. (converted to	1,134.	12' x 40'	480				
6		office & gate house); frame							
7									
8	14	Storage Shed; frame on concrete	2,700.	30' x 60'	1,800				
9									
10	17	Septic Tank, concrete	500.	6'x14'x7'					
11									
12	18	Automatic Sprinkler Valve House,	330.	6' x 6'	36				
13		Brick w/concrete floor							
14									
15	19	Shed (covers 2 above-ground	2,241.	15' x 50'	750				
16		Ammonia Tanks); frame							
17									
18	20	Sawdust Storage Bunker, frame	1,000.	10' x 10'	100				
19									
20	21	Boiler House (new), steel & corr.	none	40' x 40'	1,600				
21		metal on concrete floor							
22									
23		Sub-Total, Bldgs.	(134,170)						
24									
25	22	Oil Storage Tank	800.	5,000 gal					
26									
27	23	Gasoline Storage Tank, underground,	600.	------					
28		w/pump							
29		Electrical System w/transformers	59,100.	1,700 ft.					
30		Steam Distribution Lines	13,000.	2,800 ft.					
31		Gas Transmission Lines	1,918	847 ft.					
32		Sewage Collection	10,300	1,350 ft.					
		TOTAL							

*Prefix figures with symbols to denote type of space, as follows: (a) for office; (b) for storage; (c) for other.

16—69841-1 U. S. GOVERNMENT PRINTING OFFICE

CORRECTION

STANDARD FORM 118a
DECEMBER 1953
PRESCRIBED BY GENERAL SERVICES ADMINISTRATION REGULATION 2-IV-201.00

BUILDINGS, STRUCTURES, UTILITIES, AND MISCELLANEOUS FACILITIES

SCHEDULE A—SUPPLEMENT TO REPORT OF EXCESS REAL PROPERTY

1. HOLDING AGENCY NO. NPSRE-MD-242B

- 4 SEP 1963

2. PAGE 3 OF 4 PAGES OF THIS SCHEDULE

GSA CONTROL NO. (GSA use only)

3. ANNUAL RENTAL

LINE NO. (a)	HOLDING AGENCY BUILDING NO. (b)	DESCRIPTION (c)	COST (d)	OUTSIDE DIMENSIONS (e)	FLOOR AREA (Sq. ft.) (f)*	NO. OF FLOORS (g)*	CLEAR HEADROOM (h)*	FLOOR LOAD RANGE (i)*	RESTRICTIONS ON USE OR TRANSFER OF GOVERNMENT INTEREST (j)
1		Water Distribution Lines	13,300.	5,210 ft.					
2		Roads	4,800.	2,673 s.y.					
3		Walks, Parking	2,600.	7,442 s.y.					
4		Railroads	20,200.	2,000 ft.					
5		Man-Proof Fencing	2,400.	2,200 ft.					
6		Ammonia Tanks (2)	6,000.	10,230 gal.					
7		Tank, Oil, Underground	3,000.	8,500 gal.					
8		Tank, Oil, Underground	1,000.	2,000 gal.					
9		Telephone System	400.	800 ft.					
10		Compressed Air System	1,200.	1,200 ft.					
11									
12		(Sub-Total, Utilities	154,618)						
13									
14		* DELETIONS:							
15					* (Other costs and quantities figures				
16		Electrical: 1 only 50 KVA Transformer			herein shown have been adjusted to				
17		(at substation enclosure)			reflect these deletions)				
18									
19		11 each Electrical Poles							
20									
21		3 each In-Line Pole top switches							
22									
23		900 feet (approx.) Electrical							
24		Line, 3-wire #2, 26,000 Volt							
25		with pins, crossarms and							
26		equipment	5,000.						
27									
28		Gas Line: 653 feet Gas Transmission							
29		Line (from street main to							
30		Inside Building No. 2)	1,482.						
31									
32		(Sub-Total, Deletions	6,482)						
		TOTAL							

*Prefix figures with symbols to denote type of space, as follows: (a) for office; (b) for storage; (c) for other.

16—69841-1 U. S. GOVERNMENT PRINTING OFFICE

CORRECTION

STANDARD FORM 118a
DECEMBER 1953
PRESCRIBED BY GENERAL SERVICES ADMINISTRATION
REGULATION 2-IV-201.00

BUILDINGS, STRUCTURES, UTILITIES, AND MISCELLANEOUS FACILITIES

SCHEDULE A--SUPPLEMENT TO REPORT OF EXCESS REAL PROPERTY

1. HOLDING AGENCY NO. -NPSRE-MD-242B - 4 SEP 1963

2. PAGE 4 OF 4 PAGES OF THIS SCHEDULE

GSA CONTROL NO. (*GSA use only*)

3. ANNUAL RENTAL

LINE NO. (a)	HOLDING AGENCY BUILDING NO. (b)	DESCRIPTION (c)	COST (d)	OUTSIDE DIMENSIONS (e)	FLOOR AREA (*Sq. ft.*) (f)*	NO. OF FLOORS (g)*	CLEAR HEADROOM (h)*	FLOOR LOAD RANGE (i)*	RESTRICTIONS ON USE OR TRANSFER OF GOVERNMENT INTEREST (j)
1		Additions and Improvements to							
2		Plant which are not identifiable							
3		by items. (Sub-Total	55,228.)						
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
		TOTAL	865,118.		18,887				

*Prefix figures with symbols to denote type of space, as follows: (a) for office; (b) for storage; (c) for other.

16-60841-1 U. S. GOVERNMENT PRINTING OFFICE

STANDARD FORM 118c
DECEMBER 1953
PRESCRIBED BY GENERAL
SERVICES ADMINISTRATION
REGULATION 2-IV-201.00

RELATED PERSONAL PROPERTY

SCHEDULE C—SUPPLEMENT TO REPORT OF EXCESS REAL PROPERTY

1. HOLDING AGENCY NO. NPSRE-MD-242A
2. PAGE 1 OF 1 PAGES OF THIS SCHEDULE
3. SCC GROUP (2 digits)
GSA CONTROL NO. (GSA use only)

ITEM NO. (a)	DESCRIPTION (b)	STANDARD COMMODITY CLASSIFICATION (c)	CONDITION (d)	UNIT (e)	NUMBER OF UNITS (f)	UNIT COST (g)	TOTAL COST (h)	DO NOT USE THIS SPACE (i)
	Manufacturing, processing, and related property, either installed or stored on the premises, as shown on the attached two lists						$489,902.	
	TOTAL						$489,902.	

U. S. GOVERNMENT PRINTING OFFICE 16—00835-1

STANDARD FORM 118b
DECEMBER 1953
PRESCRIBED BY GENERAL SERVICES ADMINISTRATION
REGULATION 2-IV-201.00

LAND

SCHEDULE B—SUPPLEMENT TO REPORT OF EXCESS REAL PROPERTY

1. HOLDING AGENCY NO. NPSRE-MD-242

2. PAGE 1 OF 1 PAGES OF THIS SCHEDULE

3. GOVERNMENT INTEREST
- [ ] LEASE
- [ ] LICENSE
- [ ] PERMIT
- [X] EASEMENT
- [X] FEE
- [ ] INFORMAL AGREEMENT

GSA CONTROL NO. (GSA use only)

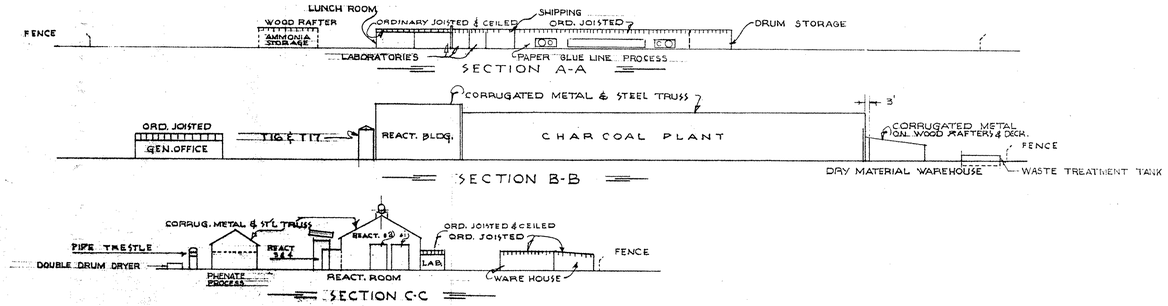
LINE NO. (a)	TRACT NO. (b)	NAME OF FORMER OWNER OR LESSOR AND ADDRESS (c)	TRACT ACQUIRED (Acres or sq.ft.) (d)	EXCESS REAL PROPERTY: ACRES OR SQUARE FEET (e)	EXCESS REAL PROPERTY: COST (f)	EXCESS REAL PROPERTY: ANNUAL RENTAL (g)	TYPE OF ACQUISITION (h)	RESTRICTIONS ON USE OR TRANSFER OF GOVERNMENT INTEREST (i)
1	1	W.A. Carlisle, et al	15.6	15.6	$31,200.		Purchase	Subject to Easement to Northern
2								Pacific Railway Company
3								
4	2E	Duwamish Shipyard, Inc.	0.032	0.032	None		"	
5								
6	3E	General Construction Co.	0.145	0.145	None		"	
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
		TOTAL	15.777	15.777	$31,200.			

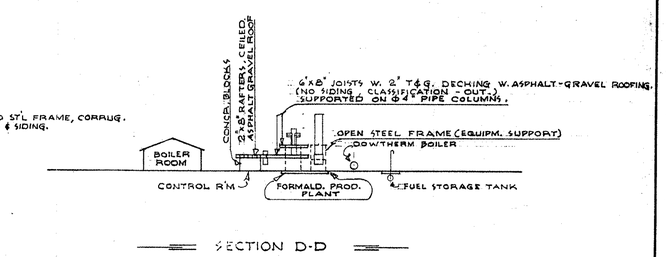
U. S. GOVERNMENT PRINTING OFFICE 16—69812-1

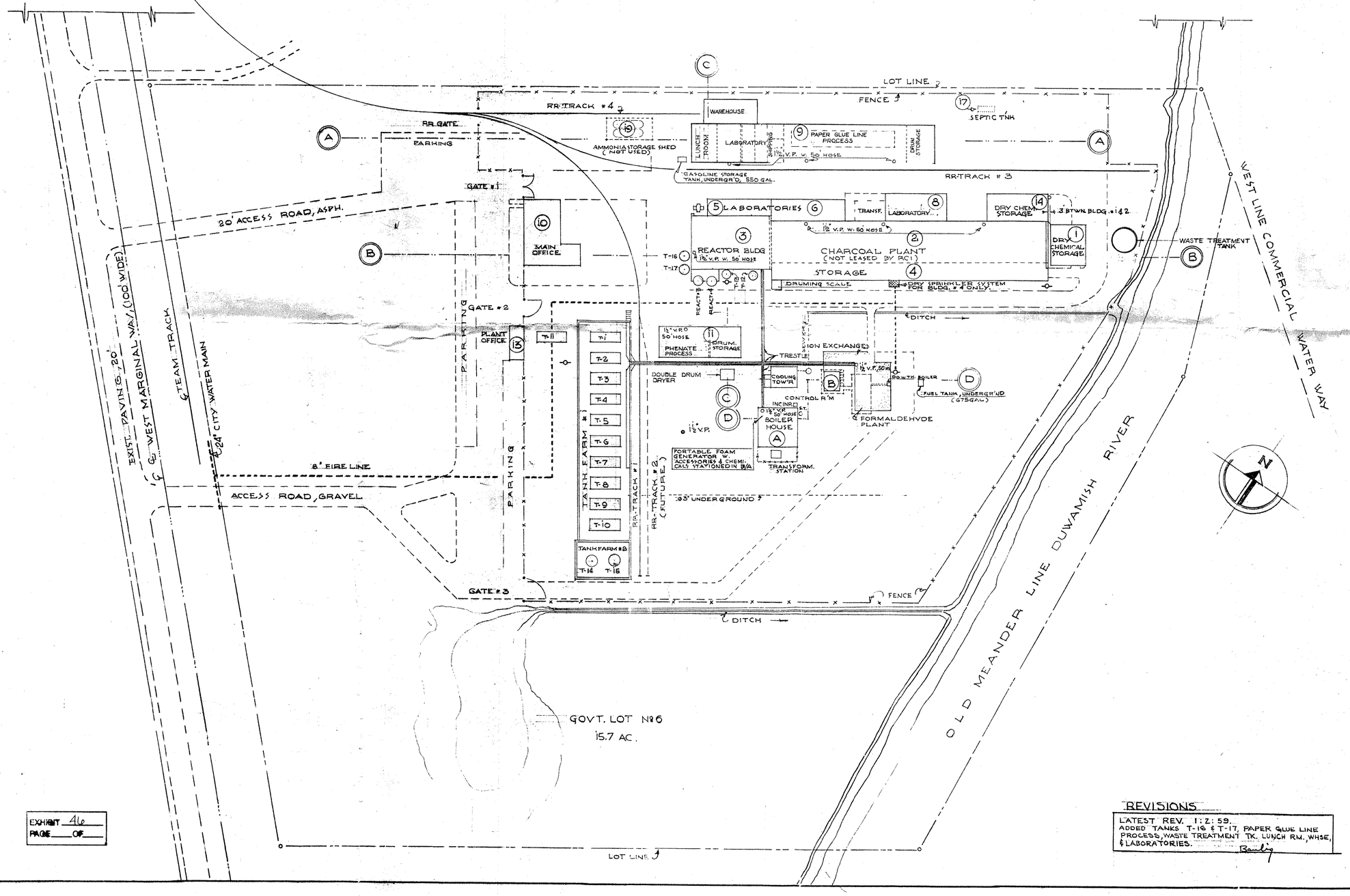
2	Tanks, Ammonia & handling facilities. 5,115 gal. capacity each. Open shed roof over tanks. 384 sq. ft. of roof 54' x 16'	1402-1403
	Tank, steel, cylindrical, horizontal	1619
	Telephone system, Pax Automatic, 12 Extensions	1571
	Temperature controller for Whetlerite solution tank. Model 251, Serial No: A-16445, Range 0-200° F	2006
11	Thermocouples, Mfgr. - Louisville Dryer Co.	0318
	Tower, steel scaffold - Safeway, complete, custom made Continued ----See Sheet 27a-----	1207
	Transformer - 250 K.V.A., Calciner Transformer Single PH - Make AC, Order No. 1244, Ratio 26,000 to 220 V. - Serial No. 11686	1633
2	Transformers, 500 K.V.A., Packard Type A, Electric Furnace Transformer, Range 26,000 to 440 V, Serial #49477 - 49478	1631-1632
2	Transformer - 30 KW, G.E. Lighting Transformer-Type 24 - Single PH - Ratio 2200 to 220 V., Serial #385721 - 385719	1634-1635
	Transformer - 30 KW, Gray & Barash Mfg., Light Transformer, rebuilt, Single PH - Ratio 2200 volts to 220 volts. Serial #1047	1636
2	Trucks, barrel, steel, 2 wheel	1200-1201
	Truck, hand - 2 wheel	1668
	Truck, hand, steel, 2 wheel	1761
1	Truck, hand, Whse., 4 wheel, 72" x 36" 4000# capacity, equipped w/resinoid wheels and 2 end racks each.	2028
2	Trucks, Hand, curved back, 2 wheel, 60" x 22" 900# capacity. Mfgr. - Lewis Shepard	2010-2011
	Truck, Lift - Barrett, RKL 91148, Capacity 3500 lbs. Serial #110001 Mfgr. - Barrett Mfg. Co,	1164

	Transformer, 500 KVA, Packard Type A, (Activator Transformer), 3 PH - Range 26,000 to 440 V., Serial #46704.	1630
2	Transformers, 500 KVA, Packard Type A, Electric Furnace Transformer, Range 26,000 to 440 V, Serial #49477 - 49478	1631-1632

APPENDIX E REICHHOLD 1959 SITE LAYOUT AND DEEP WATER OUTFALL







STORAGE TANKS

TANK Nº	CONTENTS	CAPY GAL.	SET	INSULATD	DIKED
1	BLENDING TANK	25,000	HORIZONTL	NO	YES
2	PHENOL	"	"	YES	"
3	PHENOL	"	"	"	"
4	FUEL OIL (BOILER)	"	"	NO	"
5	FORMALDEHYDE (RAW MATERIAL)	"	"	"	"
6	PHENOL	"	"	YES	"
7	P-398	"	"	NO	"
8	P-398	"	"	"	"
9	METHANOL	"	"	"	"
10	METHANOL	"	"	"	"
11	CAUSTIC SODA	"	"	YES	NO
12	UREA RESIN (P-364-AA)	10,000	VERTIC'L	NO	"
13	P-398	"	"	"	"
14	FORMALDEHYDE (FINISHED PRODUCT)	25,000	"	"	YES
15	FORMALDEHYDE (FINISHED PRODUCT)	"	"	"	"
16	HARDBOARD RESIN SW 1840	10,000	"	"	NO
17	SPECIALTY RESIN SW 1838, 1910 & 1320	"	"	"	"

KEY

- INCOMBUSTIBLE OR METAL — TILE, CLAY
- BRICH
- CONCRETE OR CONCR. BLOCKS
- FRAME
- FRAME METAL CLAD
- HYDRANT
- O.V.P. HOSE + STANDPIPE
- FIRE RESISTIVE / FIRE WALL /
- (Nº) REGISTER NUMBER OF BUILDING
- (Nº) " " " HORIZ. TANK
- (Nº) " " " VERT. "

REICHHOLD CHEMICALS, INC.
PACIFIC NORTHWEST DIVISION
SEATTLE, WASHINGTON

LAY OUT

BUILDINGS, TANKS & FIRE HYDRANTS

SCALE: 1" = 50'
DATE: FEBRUARY 3rd, 1954.
DRAWN BY:
CHECK'D:
PLANT: SEATTLE
PROJECT NO. SWP
DWG NO. SW-54-2-1

REVISIONS

LATEST REV. 1:2:59.
ADDED TANKS T-16 & T-17, PAPER GLUE LINE PROCESS, WASTE TREATMENT TK. LUNCH RM., WHSE, & LABORATORIES.

EXHIBIT 46
PAGE ___ OF ___

CORPS OF ENGINEERS, U.S.ARI
OFFICE OF THE DISTRICT ENGINEER
SEATTLE DISTRICT
4735 E. Marginal Way
Seattle 4, Washington

RECEIVED
AUG 18 1955
Pollution Control Commission

REFER TO FILE NO. NPSKS 800.6(Duwamish Wwy., Wn.)94/3

16 August 1955

PUBLIC NOTICE NO. P-55-51

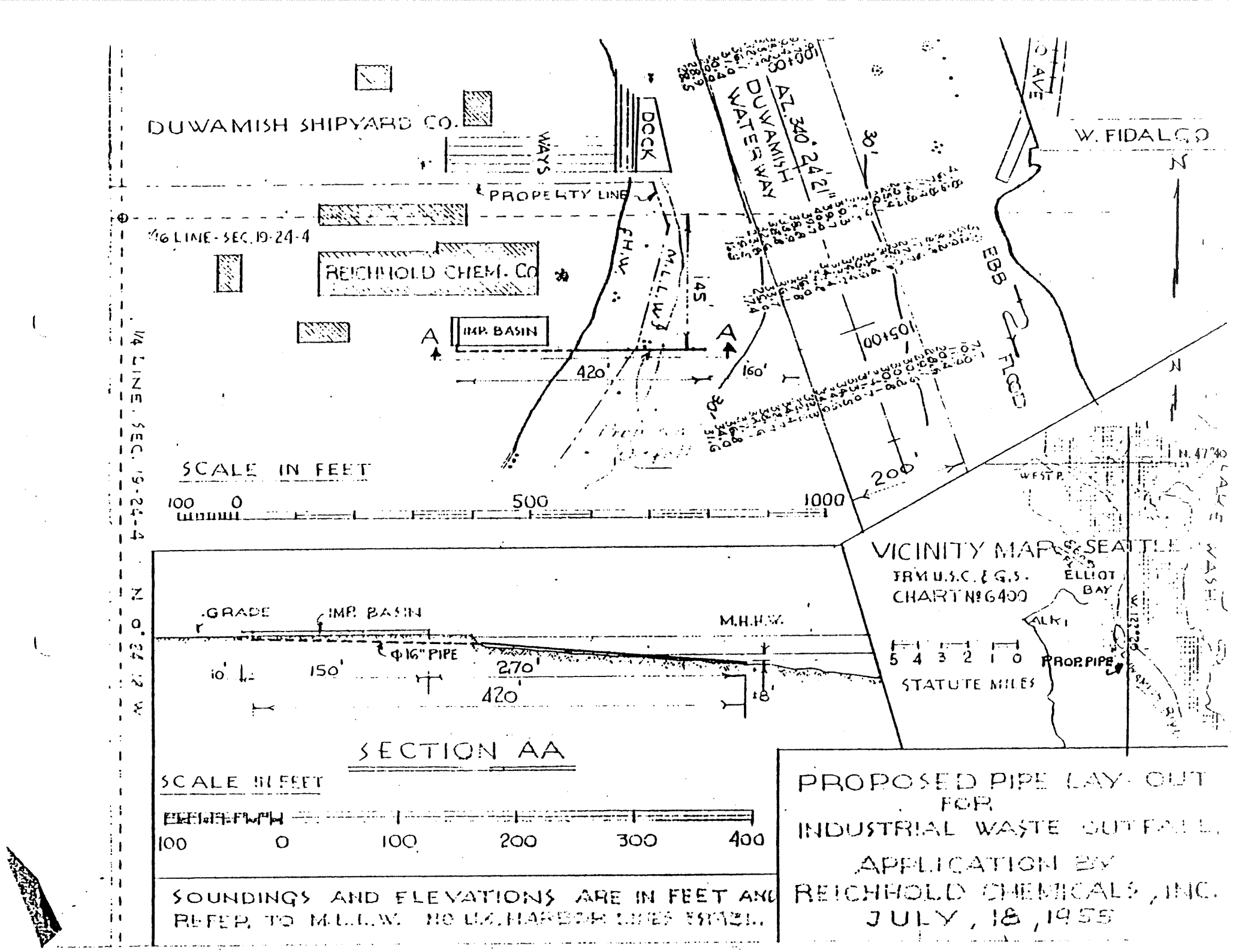
Application has been received from the Reichhold Chemicals, Inc., 5900 West Marginal Way, Seattle, for Department of the Army permit to install an industrial waste outfall in the Duwamish Waterway in front of its plant as shown on the inclosed print.

Permit issued by the Department of the Army does not give any property rights, either in real estate or material, or any exclusive privileges, and does not authorize injury to private property or invasion of private rights, or infringement of Federal, State or local laws or regulations; nor does it obviate the necessity of obtaining State assent to the work authorized. It expresses the assent of the Federal Government only insofar as it concerns the public rights of navigation.

Interested parties are invited to submit in writing any objections that they may have to the proposed work. The decision as to whether or not the plans will be approved must rest primarily upon the effect the proposed work will have on navigation. Objections should be forwarded so as to reach this office not later than 6 September 1955.

1 Incl
Print

For K. F. SMRHA
Chief, Operations Division



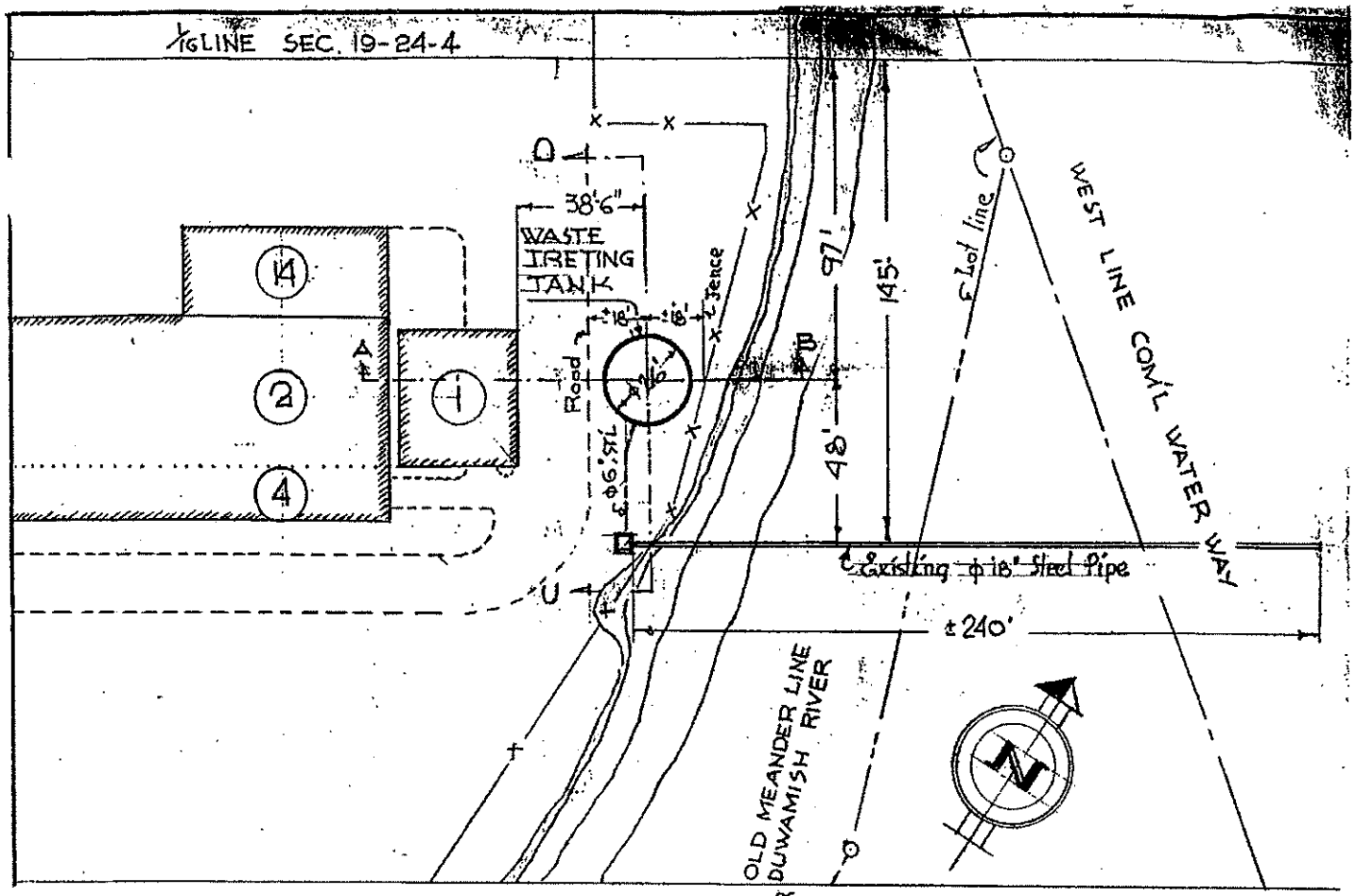
SOUNDINGS AND ELEVATIONS ARE IN FEET AND REFER TO M.L.L.W. NO U.S. HARBOR LINES ESTABL.

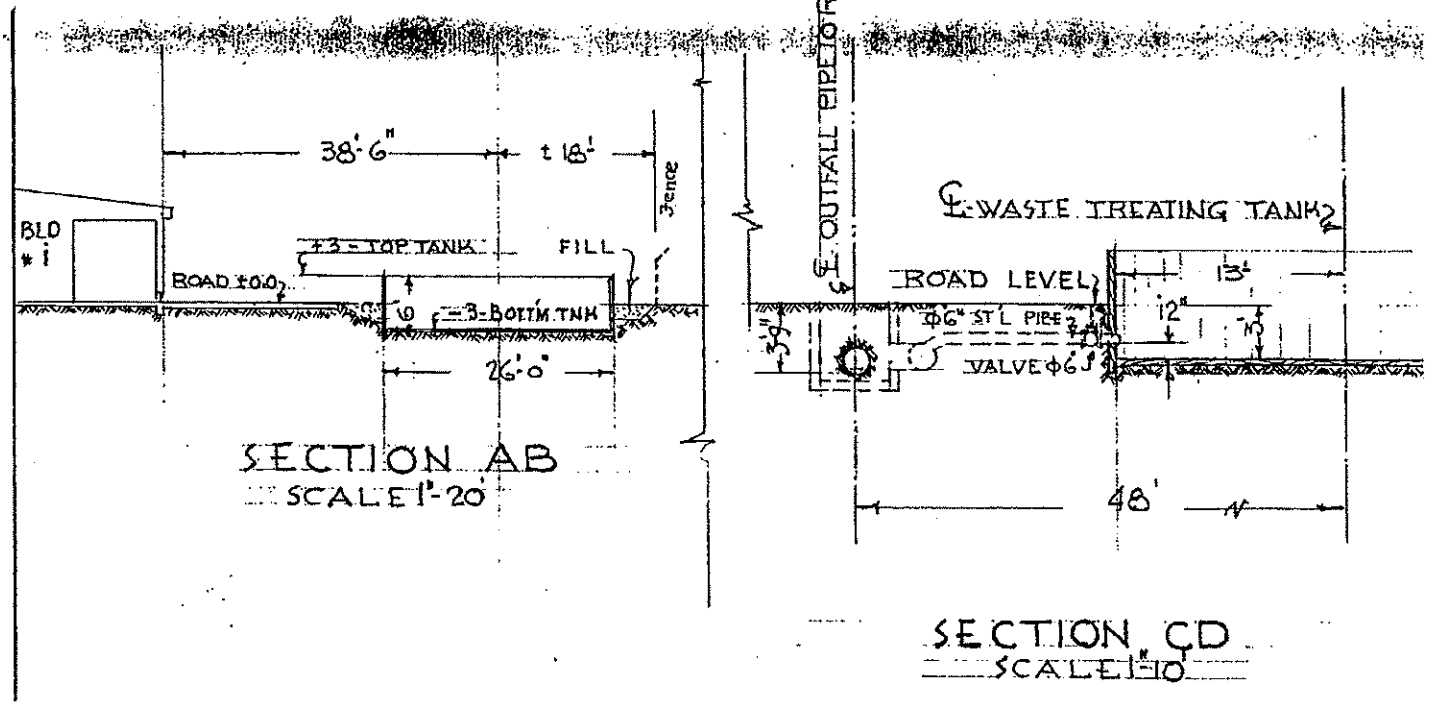
PROPOSED PIPE LAY-OUT FOR INDUSTRIAL WASTE OUTFALL

APPLICATION BY

REICHHOLD CHEMICALS, INC.

JULY, 18, 1955





SECTION AB
SCALE 1"-20'

SECTION CD
SCALE 1"=10'

REICHHOLD CHEMICALS, INC.
SEATTLE, WASH.

PROPOSED WASTE TRETING TANK
MAY 7, 1956.

AL 167

REICHHOLD CHEMICALS, INC.

Creative Chemistry . . . Your Partner in Progress

Executive Offices · R C I BUILDING, WHITE PLAINS, N. Y.

CABLE: BECKACITE WHITE PLAINS
TELEPHONE WHITE PLAINS 8-6200

January 16, 1956

RECEIVED
JAN 19 1956
Pollution Control Com.

State of Washington
Pollution Control Commission
408 Old Capitol Building
Olympia, Washington

Reference: Your letter of July 19 and October 24, 1955

Subject: Progress report on stream pollution control at Seattle Plant

Gentlemen:

The following steps are being taken toward controlling discharge of plant chemicals into the Duwamish River.

1) A deep water outfall pipe is now being installed. In the near future, all plant waste water containing possible contaminants will be directed into this outfall.

2) The Pentachlorophenol Plant will be moved from Seattle to what is hoped will be a more favorable location.

3) Continuous laboratory control work reveals that with the above provisions it is unlikely that the phenol concentration will average over 1 ppm from the outfall pipe.

We are taking these steps in order to solve the pollution problem with a reasonable expenditure. We ask the indulgence and cooperation of the Pollution Commission so that we may determine whether the above procedure will be effective. We hope that it will prove unnecessary to install the extensive control facilities previously discussed.

Very truly yours,

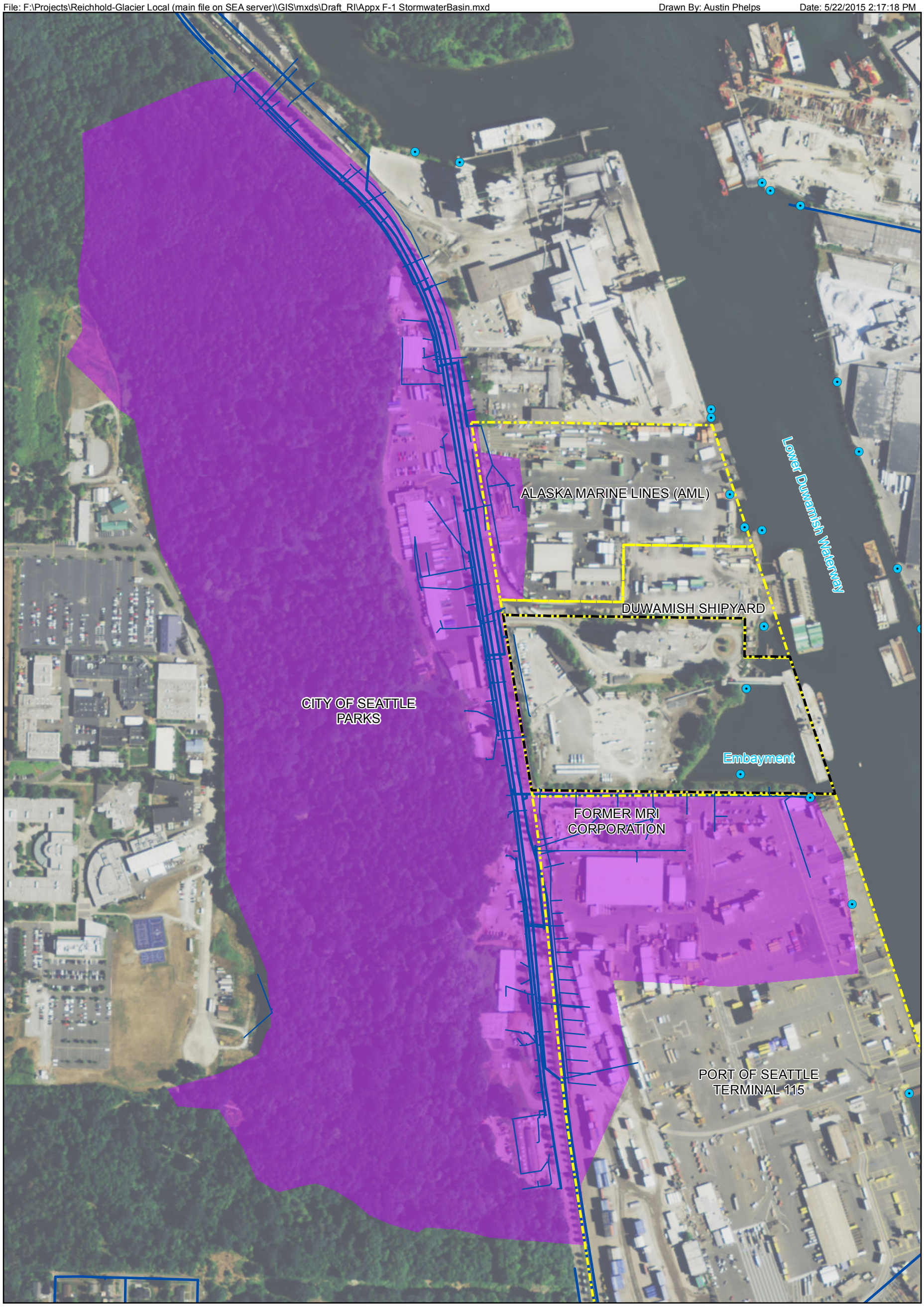
REICHHOLD CHEMICALS, INC.

George L. Hagen

George L. Hagen, Plant Engineer
Pacific Northwest Division

APPENDIX F GLACIER BAY SW KENNY STORMWATER DRAINAGE BASIN

File: F:\Projects\Reichhold-Glacier Local (main file on SEA server)\GIS\mxds\Draft_RI\Appx F-1 StormwaterBasin.mxd Drawn By: Austin Phelps Date: 5/22/2015 2:17:18 PM



Legend

- Stormwater Outfall
- Sewer Lateral
- Storm Water/Combined Sewer Mainline
- Glacier Bay- SW Kenny Stormwater Drainage Basin
- Current Property Boundary
- King County Parcel Boundary

N

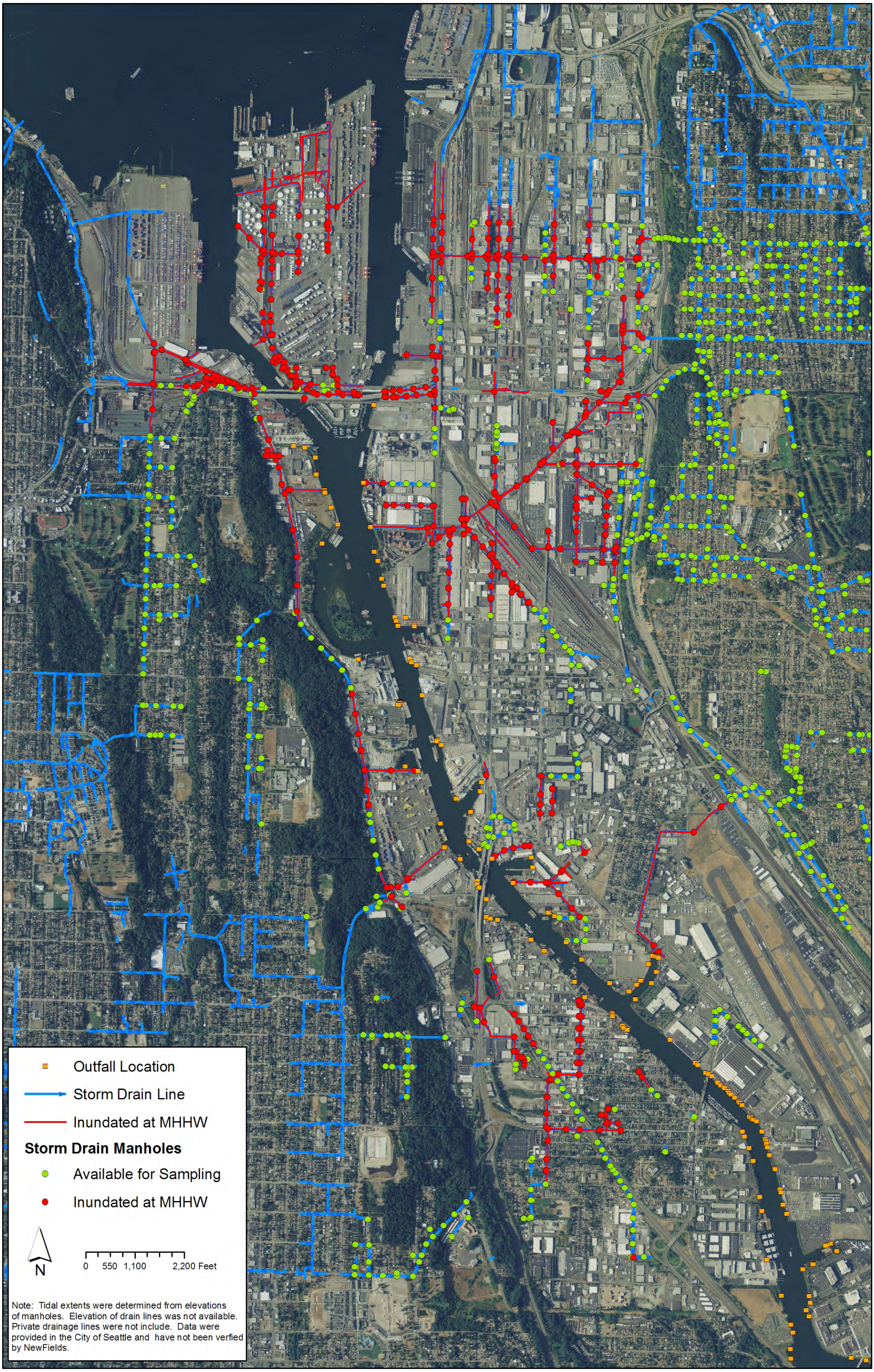
0 200 400 800 Feet

FIGURE F-1
GLACIER BAY SW KENNY
STORMWATER DRAINAGE BASIN
5900 West Marginal Way Site
Seattle, Washington

Notes:
Sewerlines provided by City of Seattle. Drainage basin from LDW Remedial Investigation, Windward 200X.

Environmental Resources Management
1218 3rd Avenue, Suite 1412
Seattle, Washington 98101
425-214-0468
ERM

APPENDIX G WASHINGTON STATE DEPARTMENT OF ECOLOGY STORM DRAIN INUNDATION EVALUATION


Outfall Location
Storm Drain Line
Inundated at MHHW
Storm Drain Manholes
Available for Sampling
Inundated at MHHW
N
0 550 1,100 2,200 Feet
Note: Tidal extents were determined from elevations of manholes. Elevation of drain lines was not available. Private drainage lines were not include. Data were provided in the City of Seattle and have not been verfied by NewFields.

Outfall Location

Storm Drain Line

Inundated at MHHW

Storm Drain Manholes

Available for Sampling

Inundated at MHHW

N

0 260 520 1,040 Feet

Note: Tidal extents were determined from elevations of manholes. Elevation of drain lines was not available. Private drainage lines were not include. Data were provided in the City of Seattle and have not been verfied by NewFields.

Outfall Location
Storm Drain Line
Inundated at MHHW
Storm Drain Manholes
Available for Sampling
Inundated at MHHW
N
0 260 520 1,040 Feet
Note: Tidal extents were determined from elevations of manholes. Elevation of drain lines was not available. Private drainage lines were not include. Data were provided in the City of Seattle and have not been verfied by NewFields.

Outfall Location

Storm Drain Line

Inundated at MHHW

Storm Drain Manholes

Available for Sampling

Inundated at MHHW

N

0 275 550 1,100 Feet

Note: Tidal extents were determined from elevations of manholes. Elevation of drain lines was not available. Private drainage lines were not include. Data were provided in the City of Seattle and have not been verfied by NewFields.

APPENDIX H PORT OF SEATTLE STORMWATER INFORMATION

N 1000
N 1500
N 2000
N 2500
N 3000
N 3500
E 30,000
E 30,500
E 31,000
E 31,500
WEST MARGINAL WAY S.W.
EXISTING 8"ϕ CONC. PIPE
N 3518.017
E 29817.993
EXISTING 12" ϕ CONCRETE PIPE
EXISTING CATCH BASIN
FINISH EL. +22'
18"ϕ,16GA. GALV. CMP (NEW)
N 2470.125
E 29,950.263
EXISTING 18"ϕ CONCRETE PIPE
EXTEND 18"ϕ CMP THROUGH EXISTING 22"ϕ STEEL PIPE
EXTEND EXISTING CULVERT WITH NEW 18"ϕ,16GA. GALV. CMP
YARD FILL
LIMIT OF PHASE I
8"ϕ CMP (NEW)
CONNECT EXISTING WASTE WATER DRAIN LINE TO NEW 8" ϕ CMP STORM DRAIN
16'
8" Drain with indication that MRI was connected.
18"ϕ CMP CONTINUOUS THROUGH EXISTING 36"ϕ CMP
EXISTING 36"ϕ CMP
20'-0"
18"ϕ CMP OUTFALL AT MAX. INVERT ELEVATION OF -1.
YARD FILL
WS @ EL. +8.6 (1-18-69)
18"ϕ GALV. 16 GA. CMP NEW
TOE OF DIKE FILL
N 3,526.681
E 30,870.653
RELOCATE EXISTING BREASTING DOLPHIN PER ENGINEERS INSTRUCTION
10'
20'
100' RAD.
5'
20'-0"
FINISH EL. +20' (MHHW)
EL. +11.3 (MHW)
EL. 0 (MLLW)
16'-1"
PROTECT EXISTING MOORING DOLPHIN
N 3527.990
E 31029.404
N 2879.715
E 31,100.900
17.38
18"ϕ CMP OUTFALL AT MAX. INVERT ELEVATION OF -1.
CONSTRUCTION BASELINE
S 19° 35' 39" E
15.00
10.00
WEST BOUNDARY OF DUWAMISH WATERWAY
℄ DUWAMISH WATERWAY
N 1760.838
E 31,499.232
5.00
61+00.775
N 1868.380
E 31620.171

NOTES:
1. PERIMETER DIKE AND YARD FILL FINAL ELEVATION SHALL VARY ON A STRAIGHT LINE FROM ELEVATION +20 AT THE CONSTRUCTION BASELINE TO ELEVATION +22 AT THE WESTERLY MARGIN OF THE TERMINAL SITE OR AS OTHERWISE INDICATED.
2. CONNECT EXISTING STORM AND SERVICE DRAINS AS DIRECTED BY ENGINEER.

REVISIONS				
NO.	DESCRIPTION	DATE	BY	APP'D
A2	WASTE WATER CONN. NORTH DIKE WIDTH	12-11-69	B.H.	
B2	ADDED DOLPHIN	1-2-70	D.L.H.	
C2	DELETE 48"ϕ S.D.	2-10-70	S.M.	
A3	CORRECTED CMP SIZE	2-13-70	S.M.	
	AS BUILT	8/1/72		

DENNIS E. DAHLGARD STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER

PORT OF SEATTLE

MARINE FACILITIES
LOWER DUWAMISH INDUSTRIAL DISTRICT
TERMINAL NO. 115 - DEVELOPMENT UNIT NO. 1

PHASE I - PLAN

APPROVED: Dennis E Dahlgard
DENNIS E. DAHLGARD, CHIEF, ENGINEER

DESIGN NO. D 68237
DWG. NO. 250-336

DRAWN BY D.L.H. M.A.C. DATE
CHECKED BY SCALE 1"=100'

115-6902-C-5

CRYSTALENE II

LEGEND

- CB — CATCH BASIN
- MH UKWN — MANHOLE UNKNOWN
- MH COMB — MANHOLE COMBINATION
- MH SD — MANHOLE STORM
- MH O_S — MANHOLE OIL/WATER SEPERATOR
- RD — ROOF DRAIN
- CB SAMPLING LOCATION EXISTING BUILDINGS
- EXISTING BUILDINGS
- EXISTING FENCE
- PROPERTY LINE
- FIRE HYDRANT
- P13 — POWER POLE w/ BOLLARDS

LEASE AREAS

1. CRANE EQUIPMENT
   MONTH-TO-MONTH LEASE
   31,000 S.F. - YARD
2. CONTAINER-CARE INT'L
   2 LEASES ENDING 12-31-02,
   AND 04-30-03; A TOTAL OF
   156,527 S.F. (3.6 ACRES)
3. RAIL PRODUCTS & FABRICATION 2
   LEASES MONTH-TO-MONTH AND THE
   OTHER ENDS 06-30-03, A TOTAL OF
   137,311 S.F. (3.15 ACRES) - YARD,
   6,116 S.F. - BUILDING
4. NORTHLAND TERMINAL SERVICES
   MONTH-TO-MONTH LEASE
   196,020 S.F. (4.5 ACS) - DOCK AREA
   790,178 S.F. (18.14 ACS) - YARD
   43,560 S.F. (1 AC) - SUBMERGED
5. NW CONTAINER
   LEASE ENDS 12-31-03
   407,108 S.F. (9.35 ACs) - YARD
6. INT'L TERMINAL CORP.
   LEASE ENDS 11-30-02
   283,140 S.F. (6.5 ACS) - UPLAND
   87,120 S.F. (2 ACRES) - SUBMERGED
   43,200 S.F. - WAREHOUSE
7. SEAPAC
   2 MONTH-TO-MONTH LEASES TOTAL
   OF 220,610 S.F. (5.07 ACS) - YARD
   1,456 S.F. - OFFICE, 48,000 S.F. -
   WAREHOUSE
8. POLAR SUPPLY
   LEASE ENDS 12-31-09
   81,954 S.F. (1.88 ACS)
   9,697 S.F. - WAREHOUSE
9. FORMER KJR LEASE AREA

- NEW EXPANSION AREA - EFFECTIVE JAN 1, 2004 APPROX. 18 ACRES.
- ORIGINAL NORTHLAND LEASE BOUNDARIES
- EXPANSION AREA - ACCESS JULY 1, 2003 USE JAN 1 OR APRIL 1, 2004 @ NORTHLAND OPTION
- EXPANDED EXCLUSIVE USE AREA PER LEASE EXHIBIT
- FORMER LEASE BOUNDARY

1"=100' scale: 100 0 100 200 feet

RY-1-CB

SP-1-CB

CR-1-CB

SEATTLE/P.O.S STORM OUTFALL

P.O.S STORM OUTFALL

TO OUTFALL

LADDER

WOOD WALK OVER WATER

P.O.S STORM OUTFALL

30" OUTFALL

CONC RET WALL

WOOD WALK

BLKHD PENETRATION IE 6.83

P.O.S STORM OUTFALL

SEATTLE/P.O.S STORM OUTFALL

DUWAMISH WATERWAY

Georgetown Reach

SITE PLAN

TERMINAL 115
STORM AND SANITA' LAYOUT

HARBOR ENGINEERING COMPANY
A DIVISION OF BERRYMAN & HENIGAR
ENGINEERS · PLANNERS · SURVEYORS
3006 FURHMAN AVENUE EAST
SEATTLE WASHINGTON 98102
PHONE: (206) 709-2397

PROJECT ENGR./ARCH:	
DESIGNER:	J. HUTCHINS
DRAWN BY:	M.T.C.
SCALE:	1:100
DATE:	JUNE 23 2004
CHECKED BY:	J. HUTCHINS
APPROVED BY:	J. HUTCHINS

REVISIONS

NO.	DATE	BY	DESCRIPTION	APP'D	NO.	DATE	BY	DESCRIPTION	APP'D

PROGRAM MANAGER:	
DESIGN ENGINEER:	
DRAWN BY:	
SCALE:	
DATE:	
CHECKED BY:	
APPROVED BY:	

Port of Sattle
MARINEFACILITIES

PROJECT: NORTHLANMARINE SERVICES, INC.
TERMINAL 5 MODIFICATIONS

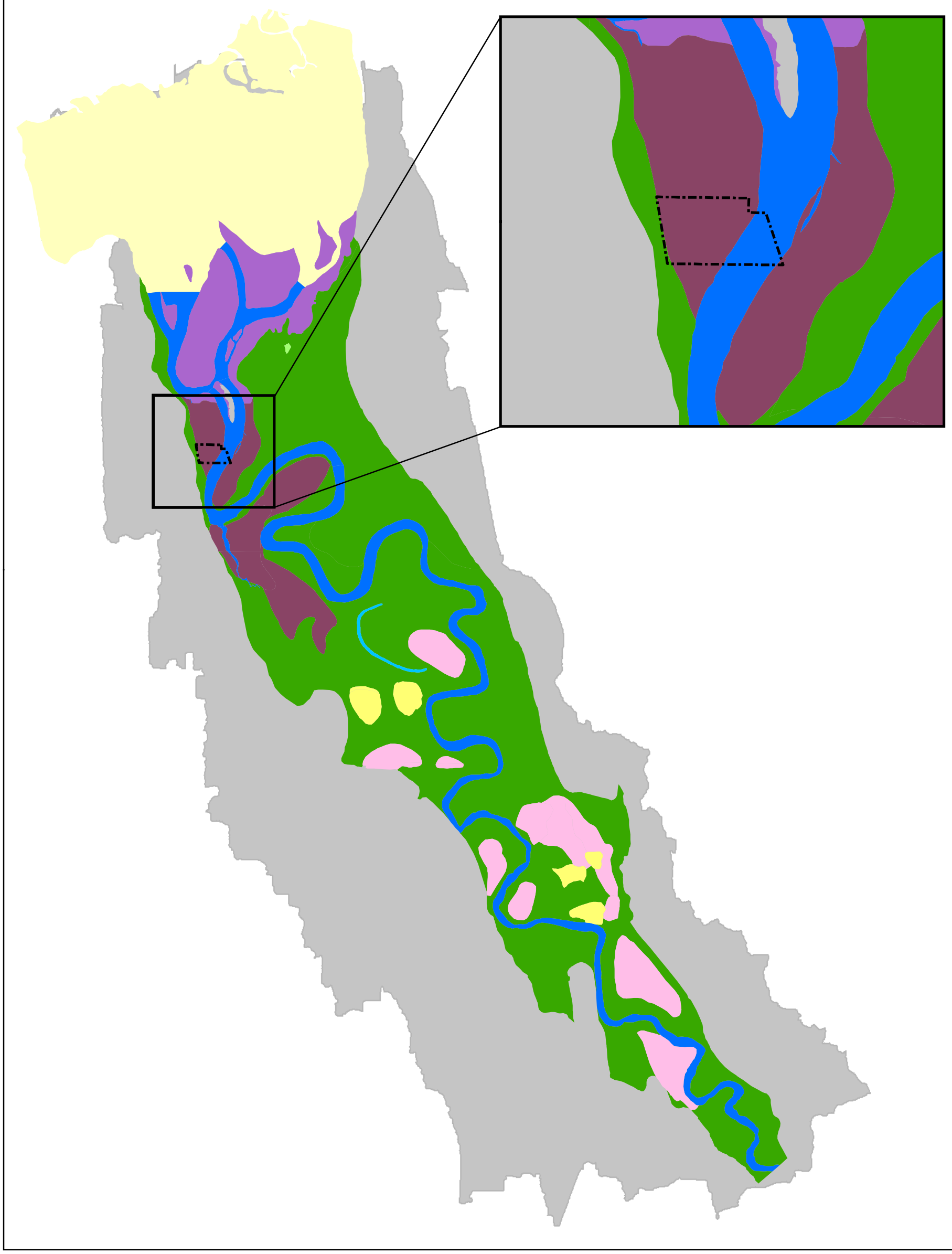
SHEET TITLE: T-115 RAINAGE SYSTEM
ENVIRONINTAL ASSESSMENT AMENDMENT 1

WORK ORDER NO.

SHEET NO.
FIGURE 1

PORT OF SEATTLE NO.

APPENDIX I SITE CONDITIONS CIRCA 1865



Legend

- Forest
- Herbaceous/Historical Prairies
- Riverine Tidal Wetland
- Estuarine Wetland
- Palustrine Wetland
- Uplands
- Tideflat
- Water
- Channel and Tributaries
- Subwatershed Boundary
- Current Property Boundary

N

0 0.5 1 2 Miles

FIGURE I-1
SITE CONDITIONS CIRCA 1865
5900 West Marginal Way Site
Seattle, Washington

Notes:
Landcover data provided by City of Seattle: King County: Department of Natural Resources and Parks, Water and Land Resources Division. Data previously presented in the *WRIA 9 Strategic Assessment Report - Scientific Foundation for Salmonid Habitat Conservation*, November 2005.

Environmental Resources Management
1218 3rd Avenue, Suite 1412
Seattle, Washington 98101
425-214-0468
ERM

APPENDIX J TIDAL STUDY DATA 2013 AND 2014

Memorandum

Environmental Resources Management

1218 3rd Avenue
Suite 1412
Seattle, WA 98101
(425) 462-8591
(425) 455-3573 (fax)

To:	Donna Ortiz De Anaya/Washington State Department of Ecology
From:	Michael Mendes, PG/ERM-West, Inc. Erik Ipsen, PE/ERM-West, Inc.
CC:	Ron Timm/Washington State Department of Ecology John J. Oldham/Reichhold Scott Isaacson/Glacier Northwest
Date:	30 September 2013
Subject:	July 2013 Tidal Study Results Summary - 5900 West Marginal Way SW, Seattle, Washington

ERM-West, Inc. (ERM) prepared this memorandum on behalf of Glacier Northwest, Inc. and Reichhold, Inc. (Glacier-Reichhold; together "the Companies") for the property located at 5900 West Marginal Way SW, Seattle, Washington (the "site"). Glacier-Reichhold has completed the effort summarized in this memorandum to complete remedial investigation/feasibility study activities required under Agreed Order No. DE 6000 (the "Agreed Order"). The purpose of this memorandum is to summarize the methodology and results associated with a tidal study that was conducted at the site to evaluate:

- Net hydraulic gradients in the shallow and deep aquifers;
- Tidal response across the aquitard in the existing shallow and deep well pairs, and use that data to assess competence of the aquitard;
- Tidal effect lag time observed in site monitoring wells for timing of groundwater sampling; and
- Optimization of future placement of monitoring wells at the site.

The methods and results of the tidal study are presented in the following sections.

TIDAL STUDY METHODOLOGY

Tidally-influenced groundwater regimes are characterized by the cyclical rise and fall of groundwater levels due to the hydraulic influence of tides in adjacent surface water bodies. To determine if tidal influences are present in a particular aquifer, the fluctuation of groundwater levels in the area of interest can be monitored and compared to the tidal fluctuation of surface water levels.

Puget Sound tides are classified as mixed and semidiurnal, having two unequal high tides and two unequal low tides, within a period of approximately 25 hours. Unconfined aquifers adjacent to tidally-influenced surface water typically experience smaller groundwater level fluctuations due to pressure exertion by the water from the adjacent tidally-influenced surface water body on the

groundwater table. The distance that surface water penetrates the aquifer depends on several factors, including the hydraulic conductivity of the aquifer, net hydraulic gradients, aquifer thickness, and discharge. Although tidal influence may affect groundwater levels some distance inland from the groundwater/surface water interface, the actual surface water intrusion distance into the aquifer as a result of tidal cycles is typically small (i.e., less than 10 feet) because of the short duration and limited inland extent of tidally "reversed" hydraulic gradients.

Water levels in aquifers that are hydraulically connected to a tidally-influenced surface water body will rise and fall as the tidal stage in the surface water body rises and falls, typically with some time lag proportional to distance inland from the surface water/groundwater interface. The tidal fluctuations in unconfined aquifers are much less than in confined aquifers because unconfined aquifer water level fluctuations involve physical movement of water into previously-unsaturated pore spaces (during rising tides), or physically draining water out of previously-saturated pores (during decreasing tides). This process of repeatedly filling and draining pores takes time and makes unconfined aquifers inefficient at responding to tides. By contrast, confined aquifer water level fluctuations involve the inland propagation of a pressure wave rather than physical movement of water in the aquifer, something that happens very quickly and efficiently due to the nearly zero compressibility of water. Therefore, tidally-induced changes in static water levels will be transmitted more quickly and farther inland within a confined aquifer than in an adjacent unconfined aquifer during a given tidal cycle (Greg 1966).

To accurately determine groundwater elevations and flow directions in tidally-influenced aquifers, the water levels must be corrected for the tidally-influenced head changes by calculating the mean hydraulic head and gradient over one or more tidal cycles using what Serfes (1991) refers to as filtering methods.

Tides are caused by gravitational forces, mainly from the moon and sun, with lunar effects about 50 percent greater than solar effects (Liddle and Johnson 1997). The filtering method used to calculate the mean water levels at the monitoring points cancels out major lunar and solar effects. A more complete description can be found in Serfes (1991).

Water Level Monitoring

The tidal study was conducted at the site between 18 and 29 July 2013 during a spring tide (i.e., full moon on 22 July 2013) when typically the tide rises the highest and falls the lowest from the mean sea level. The tidal study occurred during a period of fair weather when the effects of precipitation and large barometric pressure changes were minimal. ERM confirmed with the United States Army Corps of Engineers Reservoir Control Center that there were no planned or anticipated

large releases of water from the Howard Hanson Dam, ensuring no sudden river stage changes during the study period.

During the tidal study, groundwater levels were monitored in 15 wells screened in the shallow aquifer and in 5 wells screened in the deep aquifer (Table 1). Water levels were monitored in wells at various distances from the shoreline of the Lower Duwamish Waterway. The groundwater levels were monitored in each well using the Schlumberger Water Services CTD-Diver (Di27x), a multi-parameter (pressure, specific conductance, and temperature) transducer/data logger system. A permanent tidal stilling well was installed in the Lower Duwamish River at the Glacier dock, with a pressure transducer/data logger system to measure the fluctuations in river stage during the study. Barometric pressure was recorded during the study period using a barometric pressure data logger system. Water level elevations, specific conductance, temperature, and barometric pressure were recorded at 10-minute intervals over the approximate 10-day study period.

TIDAL STUDY DATA PROCESSING AND RESULTS

Prior to analysis, the water level data from the transducer/data loggers were compensated for barometric pressure and converted to elevations using the surveyed monitoring well and tidal stilling well top of casing elevations. The barometrically-compensated water levels recorded by the transducers during the study period in the shallow and deep aquifer monitoring wells are shown on Figures 1 and 2, respectively. The water level data corrected for barometric pressure, specific conductance data, and temperature data tables are provided in Appendix A.

Determination of Mean Groundwater Elevations and Hydraulic Gradients

Water levels were recorded every 10 minutes resulting in six observations per hour. The 10-minute interval water level data recorded over 71-hour periods were used to calculate mean water levels. The barometrically-adjusted water levels were further filtered to develop an approximation of mean water levels in both aquifers throughout the study period. The data filtering technique used was a three-step process developed by Serfes (1991). In the application of this process, a sequence of three moving averages is calculated over a minimum 71-hour period. Each of the three sequences consists of approximately 24 one-hour long intervals. The first filter calculates a mean from each of the three periods. Next, a similar sequence of moving averages is calculated using the first set of moving averages. Last, the average of the second set of moving averages is calculated, which yields the mean hydraulic head over the 71-hour interval.

During the 10-day study, groundwater elevations in the shallow aquifer were generally observed to be decreasing in elevation (Figure 1). To minimize the effect of the observed decreasing trend in water levels, the Serfes method was applied to three consecutive 71-hour data sets, rather than a single data set across the entire 10 days. Figure 3 shows a graphical representation of the unfiltered and filtered groundwater elevations observed in monitoring well MW-1D over the study period.

The three 71-hour intervals of filtered mean water levels for the monitoring wells and tidal stilling well included in the analysis were:

- 19 July 2013 17:00 hours to 22 July 2013 16:00 hours;
- 22 July 2013 16:00 hours to 25 July 2013 15:00 hours; and
- 25 July 2013 15:00 hours to 29 July 2013 14:00 hours.

The mean groundwater elevations and the three filtered mean water levels for the monitoring wells and tidal stilling well are presented in Table 1.

The filtered mean water levels in the shallow and deep aquifers were then contoured using two-dimensional kriging to determine mean hydraulic gradients. The resulting potentiometric surfaces in the shallow and deep aquifers that are associated with each of the three 71-hour periods are shown on Figures 4a, 4b, 4c, and 5a, 5b, 5c, respectively.

Groundwater Flow Direction

Two distinct saturated zones have been identified underlying the site. Shallow groundwater present within the upper silty sand/sandy silt fill unit ("shallow aquifer") is encountered beneath the site between 4 and 13 feet below ground surface. This shallow unconfined aquifer lies above the aquitard, which is a confining layer composed of organic silt and clay. The saturated thickness of the shallow aquifer varies across the site from 2 to 11 feet, and exhibits seasonal fluctuations of approximately 1 to 4 feet. The deeper confined aquifer lies below the aquitard, and is at least 11.5 feet thick.

As shown on Figures 4a, 4b, 4c, 5a, 5b, and 5c, the contoured mean groundwater elevations calculated using the Serfes method show that the net hydraulic gradient in both the shallow and deep aquifers is toward the river. The mean horizontal net gradient in the shallow aquifer is toward the Lower Duwamish Waterway at 0.003 foot/foot, consistent with previous gradient measurements. The mean horizontal net gradient in the deep aquifer is toward the Lower Duwamish Waterway at 0.001 foot/foot, consistent with previous gradient measurements in the deeper aquifer. The vertical net gradient between the shallow and deep aquifers ranged between -

0.34 to -0.21 foot/foot indicative of a net downward gradient (i.e., from the shallow aquifer to the deeper aquifer; Table 2).

In the past, concerns have been voiced that the former washwater impoundment, which is monitored by the well pair MW-2S and MW-2D, might be a location where the aquitard between the two aquifers monitored at the site could have been breached (Figure 2-19). The vertical hydraulic gradient at the MW-2S/MW-2D cluster was consistently the second greatest in magnitude among the five well pairs at the site; indicating substantial hydraulic independence between the two aquifers at this location and, consequently, evidence that the low-permeability aquitard is present and was not breached by the former impoundment in the area. Additional evidence that the former washwater impoundment did not breach the aquitard is that the bottom of impoundment likely did not intercept the aquitard. Based on a review of historical Site information, the approximate depth of the former washwater impoundment was 6 feet below ground surface (bgs) at the time of construction, which is likely at the top of the shallow fill layer. Assuming the maximum depth of the former washwater impoundment did not exceed 6 feet bgs, the bottom of the impoundment would not have intercepted the aquitard.

Similarly, question as to whether the aquitard may have been breached during construction of the existing City of Seattle 48-inch diameter storm water pipe has been raised. The nearest shallow and deep well pair to the City of Seattle 48-inch storm water pipe is MW-3S and MW-3D. If the aquitard had been breached in the vicinity of this well pair, the degree of communication between the shallow and deep aquifers would have increased, resulting in smaller head differences between the shallow and deep aquifers. In addition, because gradients are downward, and the shallow aquifer is warmer and less conductive than the deep aquifer, a breach would cause the average temperature in the deep aquifer to increase, and the specific conductance to go down. As shown in Table 2, wells pairs MW-3S/MW-3D had neither the greatest nor the least differences in temperature or specific conductance between the shallow and deep aquifers, suggesting that the relationship between the shallow and deep aquifers is not substantively different at these locations than at the other wells pairs. Taken together with the temperature and specific conductance data, these are additional lines of evidence that hydraulic independence exists due to low-permeability aquitard present between the two aquifers.

Determination of Time Lags in Aquifer Water Levels

The distance to the shoreline for shallow monitoring wells evaluated in the tidal study are presented on Figure 1. As shown on Figure 1, the groundwater elevation is greatest in wells furthest from the shoreline and lowest in wells near the shoreline (MW-2S, MW-30S, MW-31S, MW-33S, and MW-35S) and in the southern portion of

the site where groundwater flows toward the bedding material around the 48-inch diameter SPU stormwater line (MW-18, MW-3S and MW-26). Wells nearest the shoreline and nearest the 48-inch-diameter SPU stormwater line are also the wells that exhibited the greatest tidal influence.

The time lag in tidally-influenced aquifers is equal to the time between tidal peaks/troughs in the tidally-influenced surface water body and tidally-influenced peaks/troughs in the aquifer water level. The time lag is directly proportional to the square root of storage coefficient. Therefore, lag times will be shorter in confined aquifer conditions than in unconfined conditions because the storage coefficients in unconfined aquifers are orders of magnitude greater than in confined aquifers. Under ideal conditions of a homogenous, isotropic aquifer, a trend of decreasing amplitude and increasing phase shift would be expected with increasing distance from the surface body that caused the tidal influence.

The lag times were calculated for the five deep aquifer monitoring wells and for the eight shallow aquifer monitoring wells, which showed tidally-influenced water level fluctuations (Table 3). The lag times were calculated by graphically overlaying the water level data with the stage data from the tidal stilling well.

As presented in Table 2, the lag times for shallow zone wells were approximately one order of magnitude greater than for the deep zone wells. The lag time in the shallow aquifer ranged from 360 minutes to 540 minutes from maximum and minimum tidal stage, and in the deep aquifer from 30 to 140 minutes.

DISCUSSION OF RESULTS

Discussion of the results of the July 2013 tidal study is presented in the following sections.

Summary of Groundwater and Surface Water Elevation Observations

During the 10-day study period, a total of 18 tidal cycles were observed in the river and in the shallow and deep aquifers (18 high tides and 19 low tides). The maximum high tide elevation was 9.7 feet above mean sea level (amsl), and the minimum low tide elevation was -5.9 feet amsl. The amplitude of the tidal fluctuation varied over the course of the study, with the greatest variation between low and high tide observed on 22 July and the least variation on 28 July 2013.

During the study period, the variation of the river stage due to tidal influence (the difference between the highest tide and lowest tide) was 15.62 feet. Throughout the entire study period, the greatest groundwater elevation variation observed at a

single monitoring location in the shallow aquifer was 0.31 feet, and the smallest variation observed was 0.16 feet. In the deep aquifer, the greatest variation was 7.44 feet, and the minimum variation was 3.54 feet.

Water levels in the river, the shallow aquifer, and the deep aquifer all decreased during the study period (except MW-31S), consistent with the seasonal variation of river stage and dry period preceding and during the study period. The net increase in water level at MW-31S suggests that the transducer may have dropped slightly into the well during the tidal study, either due to slippage of the knot or as a result of vibrations from truck traffic.

Hydraulic Relationship of Aquifers to the Duwamish River

Each aquifer is hydraulically influenced by river stage fluctuations, and that is because high tides in the river are high enough to rise above the water table in the shallow aquifer, whereas the deep aquifer is always in hydraulic connection with the Lower Duwamish Waterway.

Distance of shallow monitoring wells evaluated in the tidal study are presented on Figure 1. As shown on Figure 1, the groundwater elevation is greatest in wells furthest from the shoreline and lowest in wells near the shoreline (MW-2S, MW-30S, MW-31S, MW-33S, and MW-35S) and in the southern portion of the site where groundwater flows toward the bedding material around the 48-inch-diameter SPU stormwater line (MW-18, MW-3S and MW-26). Wells nearest the shoreline and nearest the 48-inch-diameter SPU stormwater line are also the wells that exhibited the greatest tidal influence.

Confining Conditions in the Deep Aquifer

As presented on Figure 6, the silt layer below the shallow aquifer and above the deep aquifer is considered a confining layer for the deep aquifer. Observations from the tidal study support the conclusion that the silt layer is acting as an effective aquitard. As shown in Table 4, the range of the groundwater elevation fluctuations in all of the deep aquifer monitoring wells (average of 5.47 feet) was much greater than in the shallow monitoring wells (average of 0.23 feet) which, as discussed above, suggests that the deep aquifer is confined (Gregg 1966). As expected, the range of fluctuation (Table 4) in the deep aquifer decreases with distance from the river. For example, the greatest fluctuation was observed in MW-2D (7.44 feet), located only 86 feet from the river, and the least fluctuation was observed in MW-32DR (3.54 feet), located 697 feet from the river. As shown on Figures 7 through 11, the head difference between the shallow and deep aquifers ranged from approximately 1.5 feet during high tide, to nearly 5 feet during low tide at the well pairs. This head difference indicates a low permeability barrier (aquitard) is

separating the shallow and deep aquifers. In addition, as shown in Table 2, the lag time in the deep aquifer monitoring wells (average of 72 minutes) was much less than the shallow monitoring wells (average of 450 minutes), which is also consistent with the two aquifers independently exhibiting confined (deep) and unconfined (shallow) aquifer characteristics.

Finally as shown on Figure 12a through j, the temperature in each of the shallow aquifer wells was greater than in the deep aquifer wells, and the specific conductance was less. The change in temperature and conductance over time in the deep aquifer correlates with changes in river stage but no such correlation was observed in the shallow aquifer, indicating that they are independent groundwater regimes separated by a confining unit (i.e., the aquitard).

Aquitard Continuity within the Study Area

If the aquitard within the study area were leaky, or discontinuous, one would expect to observe: (1) fluctuations of groundwater elevations in response to changing tides within the deep aquifer to be dampened and/or inconsistent at different monitoring locations, and (2) the head difference between the shallow and deep aquifers to be small due to direct communication between the aquifers. Observed changes in deep aquifer groundwater elevations (Figures 7 through 11) are consistent across the site, and move in direct relation to river stage; thus, there is no evidence that the fluctuations of groundwater elevations in the deep aquifer are being dampened.

Also, as discussed above, the difference in groundwater elevations observed in the shallow and deep aquifers suggests that the two aquifers are separated by a low permeability confining layer (i.e., the aquitard). If the confining layer were discontinuous or leaky near any of these well pairs, one would expect the difference in the groundwater elevations in the shallow and deep aquifers near a discontinuity or artificial penetration to be much smaller than in other well pairs. As discussed above, MW-3S/MW-3D exhibited a smaller vertical gradient than the other well pairs; however, the difference in groundwater elevation at this pair is significant (3.1 feet), and the relationship between water quality parameters in the shallow and deep aquifers at this location was consistent with the other well pairs.

Monitoring Well Placement Optimization

Eight new groundwater monitoring wells will be installed at the site, currently anticipated in the locations shown on Figure 13. The mean potentiometric surface contours for the shallow and deep aquifers (first filtered mean) are also presented on this figure. Based on the results of the tidal study conducted in July 2013, the selected monitoring well locations are positioned appropriately to characterize groundwater in the shallow and deeper aquifers.

CONCLUSIONS

The purpose of the tidal study discussed in this memorandum was to evaluate the net hydraulic gradients in the shallow and deep aquifers, the tidal response in well pairs to assess the competence of the aquitard, tidal lag effects, and to optimize placement of future monitoring wells at the site. In summary, the study concluded:

- The mean horizontal net gradient in the shallow and deep aquifers is toward the Lower Duwamish Waterway at 0.003 foot/foot and 0.001 foot/foot, respectively, consistent with previous gradient measurements.
- The net vertical hydraulic gradients ranged from -0.21 to -0.34, indicative of net downward gradient (i.e., from the shallow aquifer to the deeper aquifer).
- The tidal responses observed in the five shallow and deep well pairs were consistent with a contiguous (i.e., not breached) aquitard present throughout the site as supported by:
    - An average difference in groundwater elevations between the shallow and deep aquifers of approximately 4 feet, indicative of a confining unit present between aquifers.
    - A larger range of groundwater elevation fluctuations in all of the deep aquifer monitoring wells (average of 5.47 feet) in comparison to very small fluctuations in the shallow monitoring wells (average of 0.23 feet) which, as discussed above, suggests that the deep aquifer is confined.
    - A time lag that is proportional to distance from the river in the deep aquifer (i.e., lag increases with distance from the river) due to efficient tidal pressure wave propagation in confined aquifer settings.
    - Change in temperature and conductance over time in the deep aquifer correlates with changes in river stage but no such correlation was observed in the shallow aquifer, indicating that they are independent groundwater regimes separated by a confining unit (i.e., the aquitard)
- The lag time in the shallow aquifer ranged from 360 minutes to 540 minutes from maximum and minimum tidal stage, and in the deep aquifer from 30 to 140 minutes.
- Based on the results of the 10-day tidal study conducted in July 2013, the selected monitoring well locations are positioned downgradient of the features or areas they are intended to measure, thus, are appropriate to characterize groundwater in the shallow and deeper aquifers.

RECOMMENDATIONS

The Companies completed a 10-day tidal study at the site in July 2013 during a spring tide, when typically the tide rises the highest and falls the lowest from mean sea level. The tidal study data were evaluated using the Serfes method, which was applied to three consecutive 71-hour data sets. The similarity in results provided by the three 71-hour data sets indicates that future tidal studies at the site, if any, should be conducted over shorter periods of time, with duration of 3 days.

REFERENCES

Gregg, D.O., 1966, "An Analysis of Ground Water Fluctuations Caused By Ocean Tides in Glynn County, Georgia. Ground Water," v. 4, no. 3, pp. 24-32.

R. L. Liddle and B. S. Johnson, 1997, "Determination of Mean Hydraulic Head and Gradient, Aquifer Efficiency, and Lag Time In A Tidally Affected Two-Aquifer System," National Ground Water Association, Proceedings of the National Outdoor Action Conference and Exposition System, pp. 409-422.

Serfes, M. E., 1991, "Determining the mean hydraulic gradient of ground water affected by tidal fluctuations. Ground Water," v. 29, no. 4, pp. 549-555.

Figures

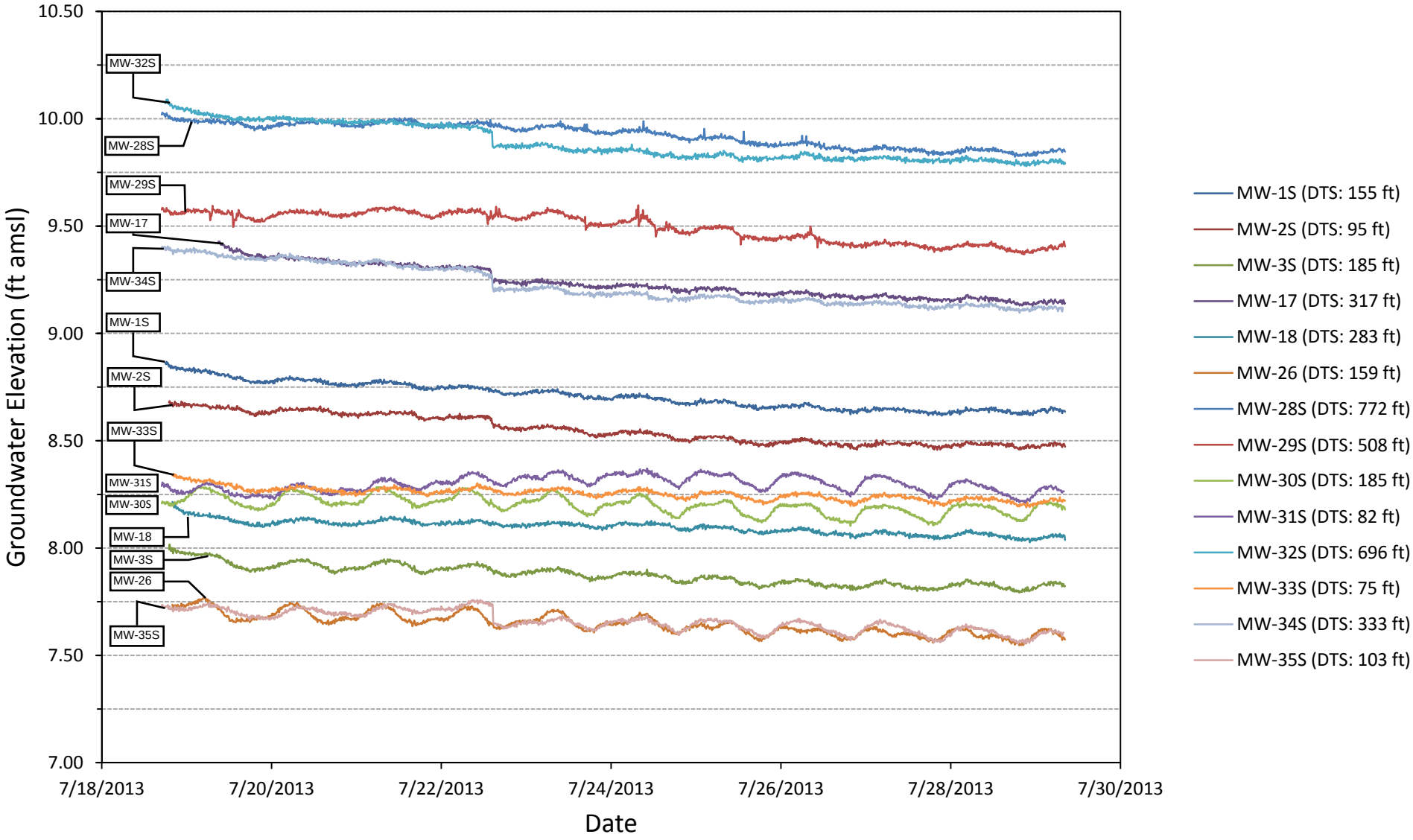


Figure 1
Shallow Zone Groundwater Elevations During Study Period
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Notes:
DTS = Distance to Shoreline

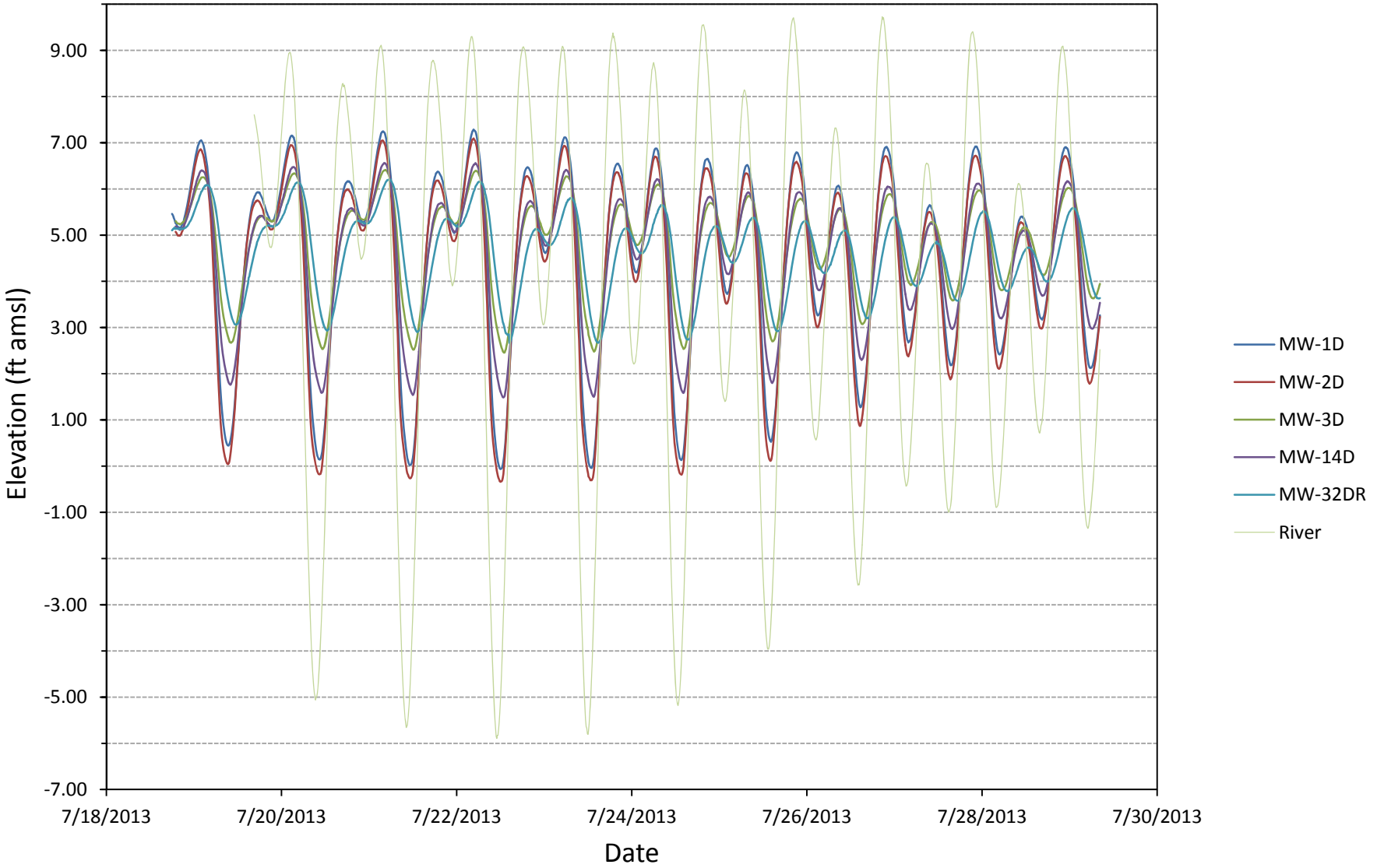


Figure 2

Deep Zone Groundwater Elevations with River Stage
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

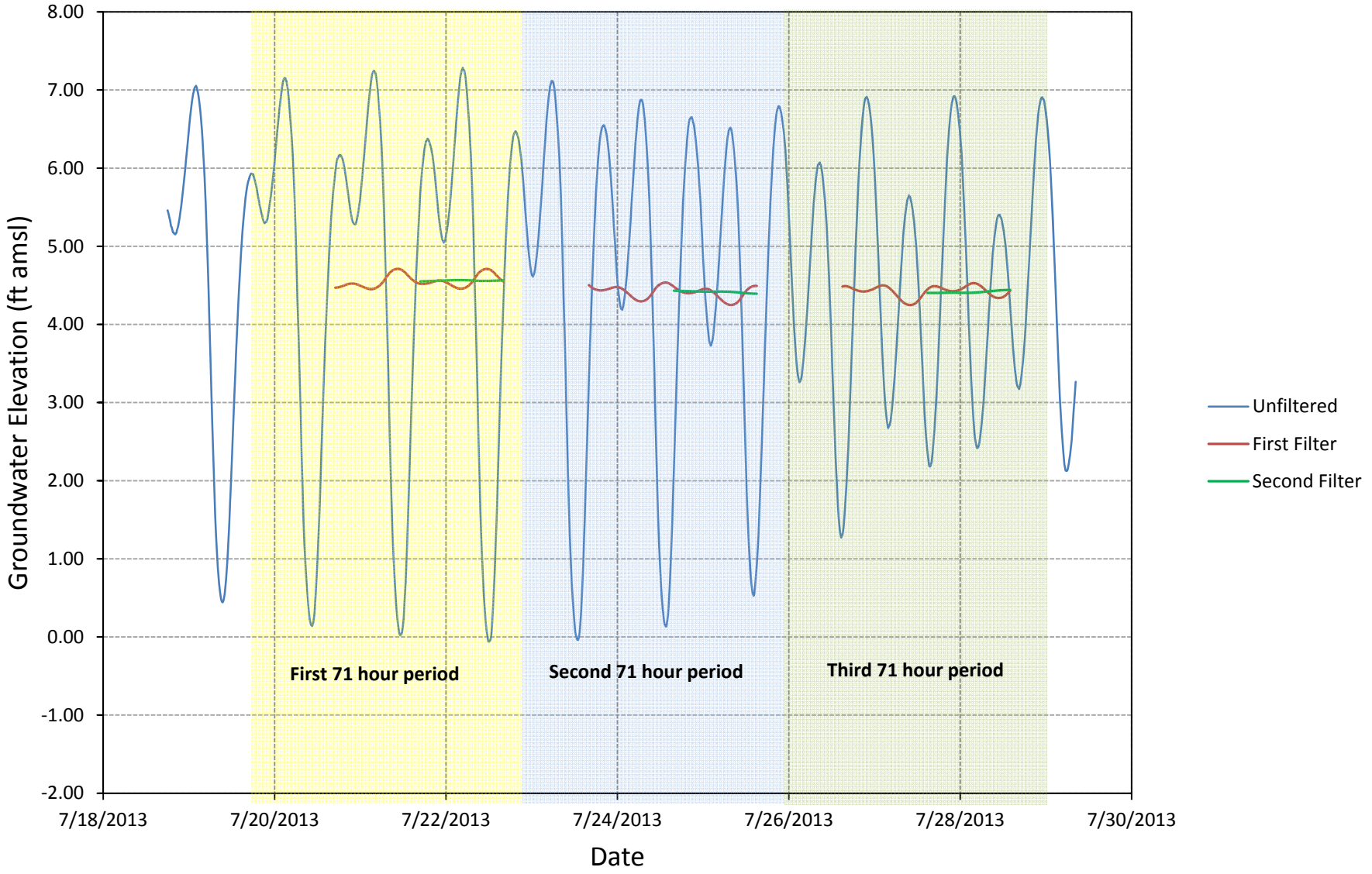
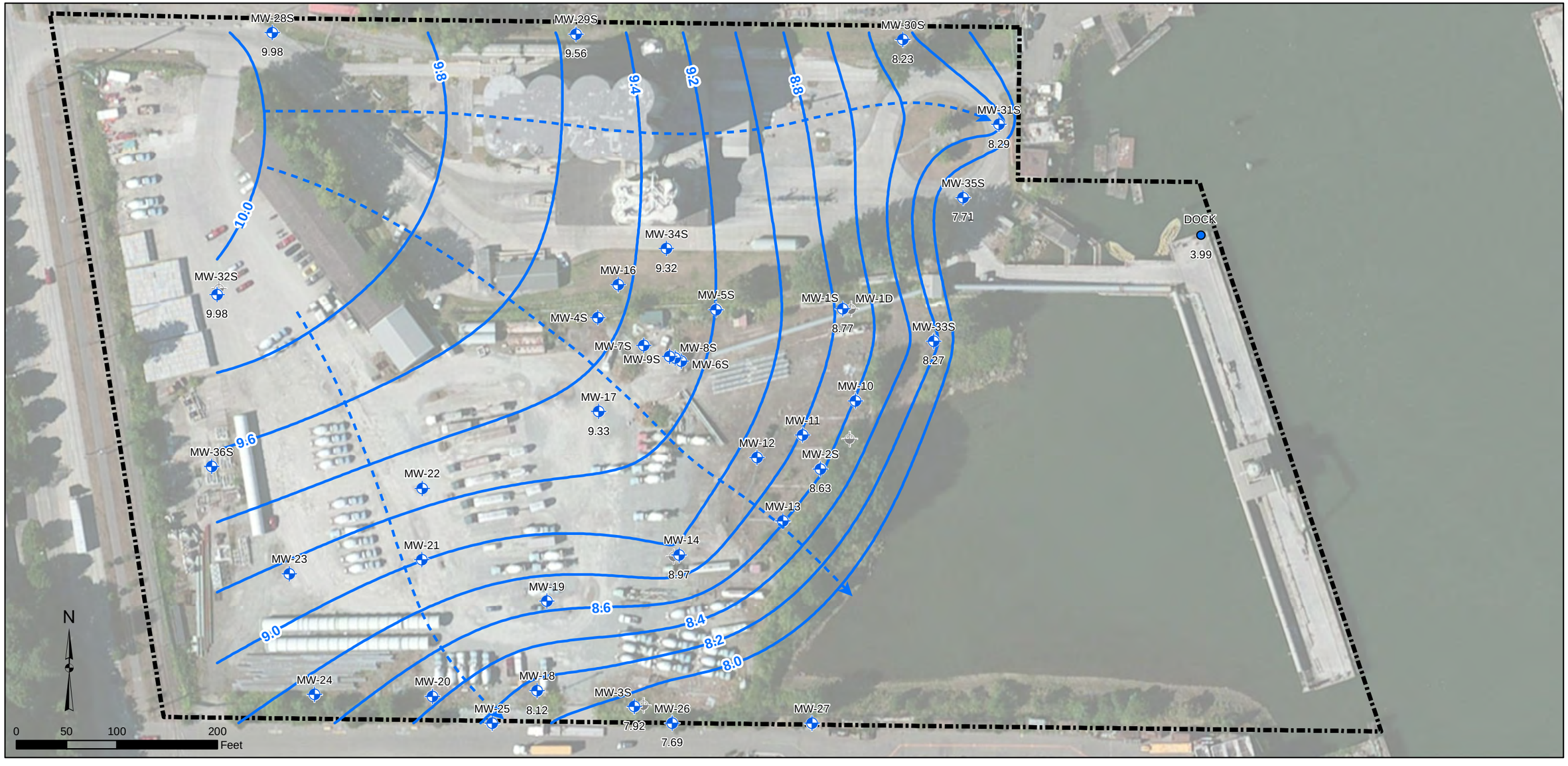


Figure 3

Unfiltered and Filtered Mean Groundwater Elevations For All Three Periods: MW-1D
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

F:\Projects\Reichhold-Glacier Local (main file on SEA server)\0155129_107WE05 R-G Site Rem (2012)\Groundwater Figures 20130808\F4A Glacier Northwest-Reichhold Shallow Zone Water Levels - First Filtered Mean.mxd

Drawn By: Mike Appel Date: 9/11/2013 Project: 0155129.11



Legend

- Contoured Shallow Zone Groundwater Elevation (ft amsl)
- Shallow Monitoring Well
- Dock/Stilling Pipe
- Deep Monitoring Well
- Current Property Boundary
- Approximate Groundwater Flow Direction

Figure 4A

CONTOURED GROUNDWATER ELEVATION
SHALLOW ZONE
FIRST FILTERED MEAN WATER LEVELS
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

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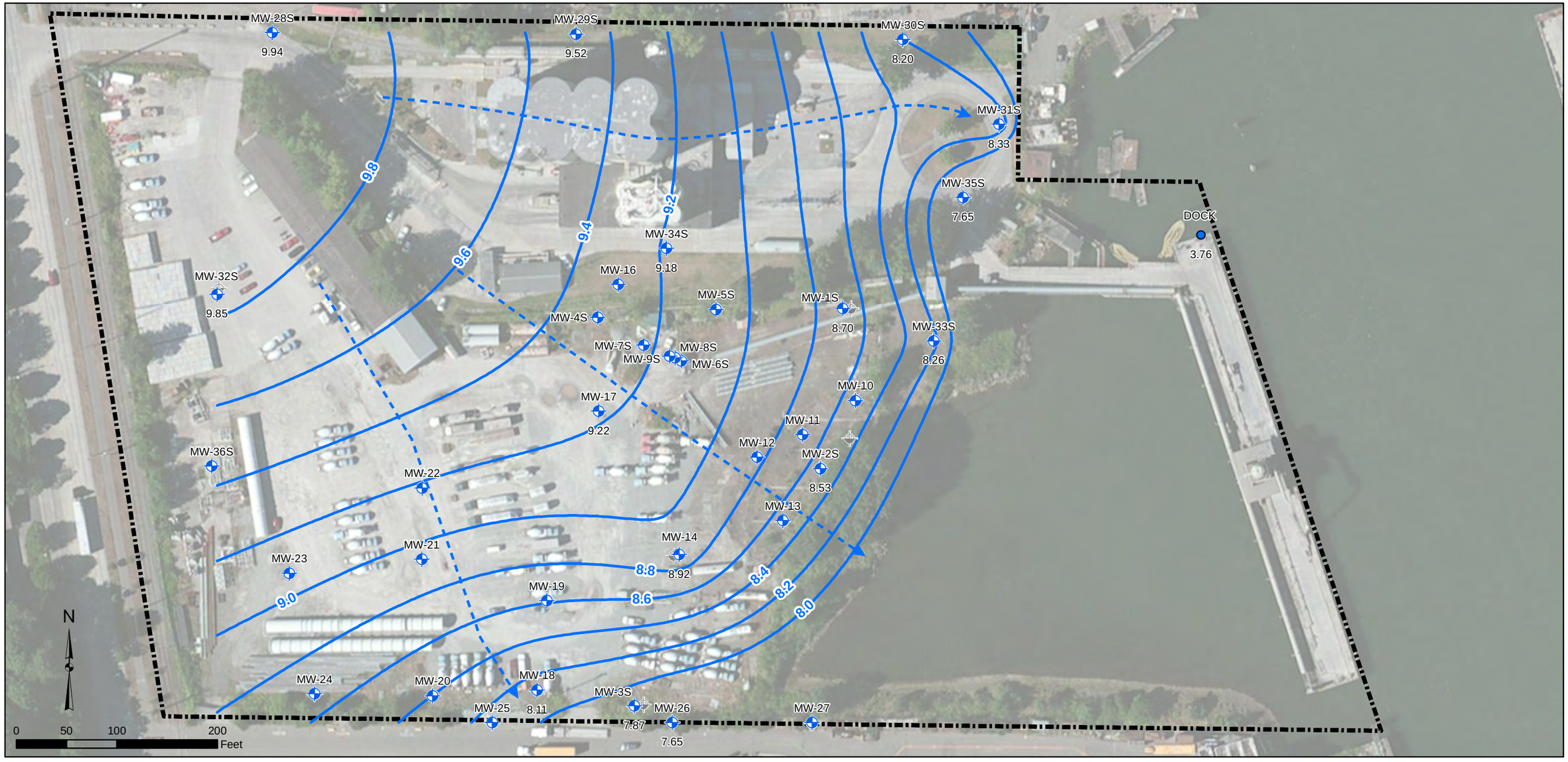
F:\Projects\Reichhold-Glacier Local (main file on SEA server)\0155129_107WE05 R-G Site Rem (2012)\Groundwater Figures 20130808\F4B Glacier Northwest-Reichhold Shallow Zone Water Levels - Second Filtered Mean.mxd

Drawn By: Mike Appel Date: 9/11/2013 Project: 0155129.11



Legend

- Contoured Shallow Zone Groundwater Elevation (ft amsl)
- Shallow Monitoring Well
- Dock/Stilling Pipe
- Deep Monitoring Well
- Current Property Boundary
- Approximate Groundwater Flow Direction

Figure 4B

CONTOURED GROUNDWATER ELEVATION
SHALLOW ZONE
SECOND FILTERED MEAN WATER LEVELS
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

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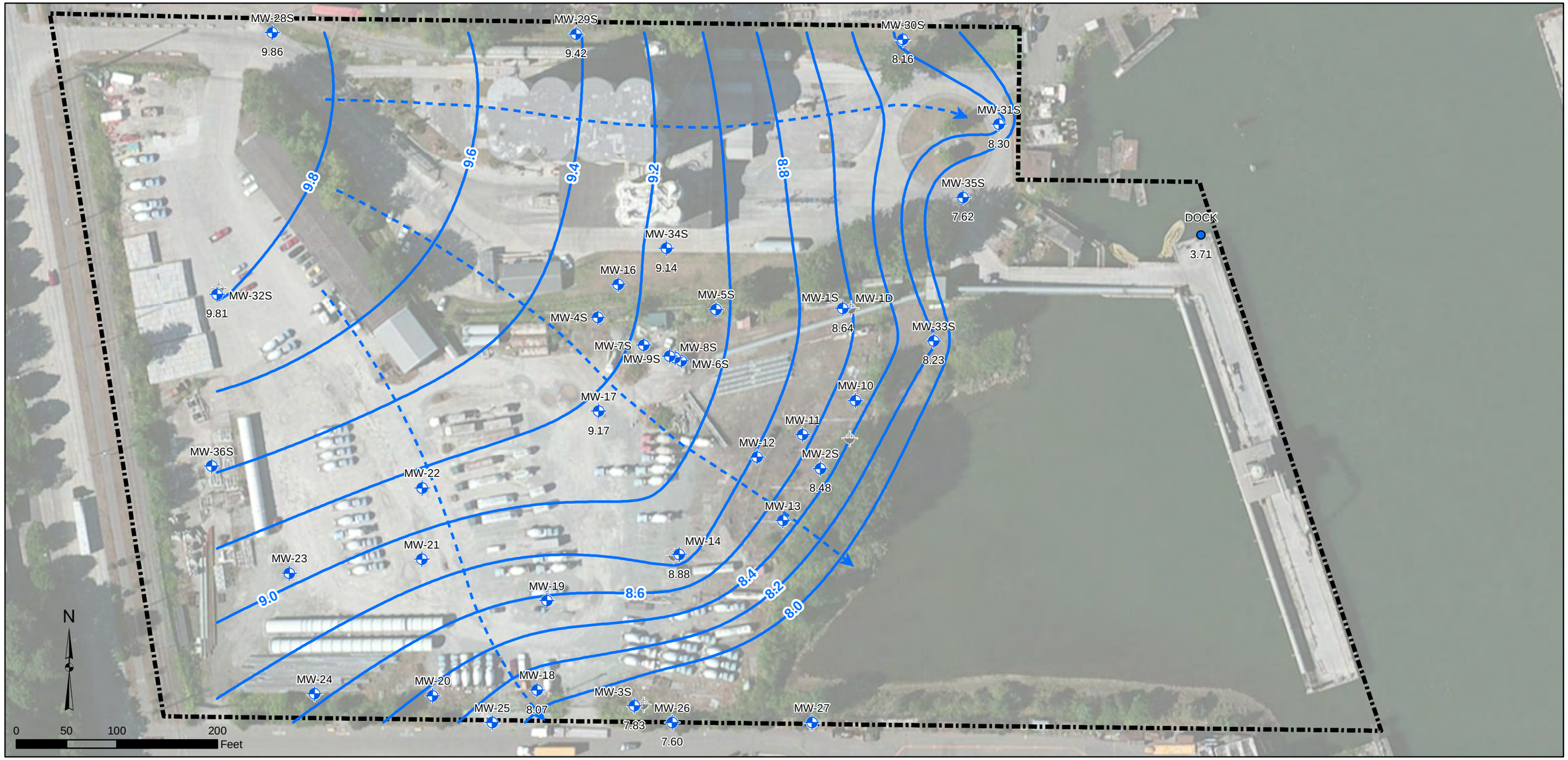
Drawn By: Mike Appel Date: 9/11/2013 Project: 0155129.11



Legend

- Contoured Shallow Zone Groundwater Elevation (ft amsl)
- Shallow Monitoring Well
- Dock/Stilling Pipe
- Deep Monitoring Well
- Current Property Boundary
- Approximate Groundwater Flow Direction

Figure 4C

CONTOURED GROUNDWATER ELEVATION
SHALLOW ZONE
THIRD FILTERED MEAN WATER LEVELS
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

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F:\Projects\Reichhold-Glacier Local (main file on SEA server)\0155129_107WE05 R-G Site Rem (2012)\Groundwater Figures 20130808\F5A Glacier Northwest-Reichhold Deep Zone Water Levels - First Filtered Mean.mxd

Drawn By: Mike Appel Date: 9/11/2013 Project: 0155129.11

Legend

- Contoured Deep Zone Groundwater Elevation (ft amsl)
- Deep Monitoring Well
- Dock/Stilling Pipe
- Shallow Monitoring Well
- Current Property Boundary
- Approximate Groundwater Flow Direction

Figure 5A

CONTOURED GROUNDWATER ELEVATION
DEEP ZONE
FIRST FILTERED MEAN WATER LEVELS
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

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Drawn By: Mike Appel Date: 9/11/2013 Project: 0155129.11

Legend

- Contoured Deep Zone Groundwater Elevation (ft amsl)
- Deep Monitoring Well
- Dock/Stilling Pipe
- Shallow Monitoring Well
- Current Property Boundary
- Approximate Groundwater Flow Direction

Figure 5B

CONTOURED GROUNDWATER ELEVATION
DEEP ZONE
SECOND FILTERED MEAN WATER LEVELS
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

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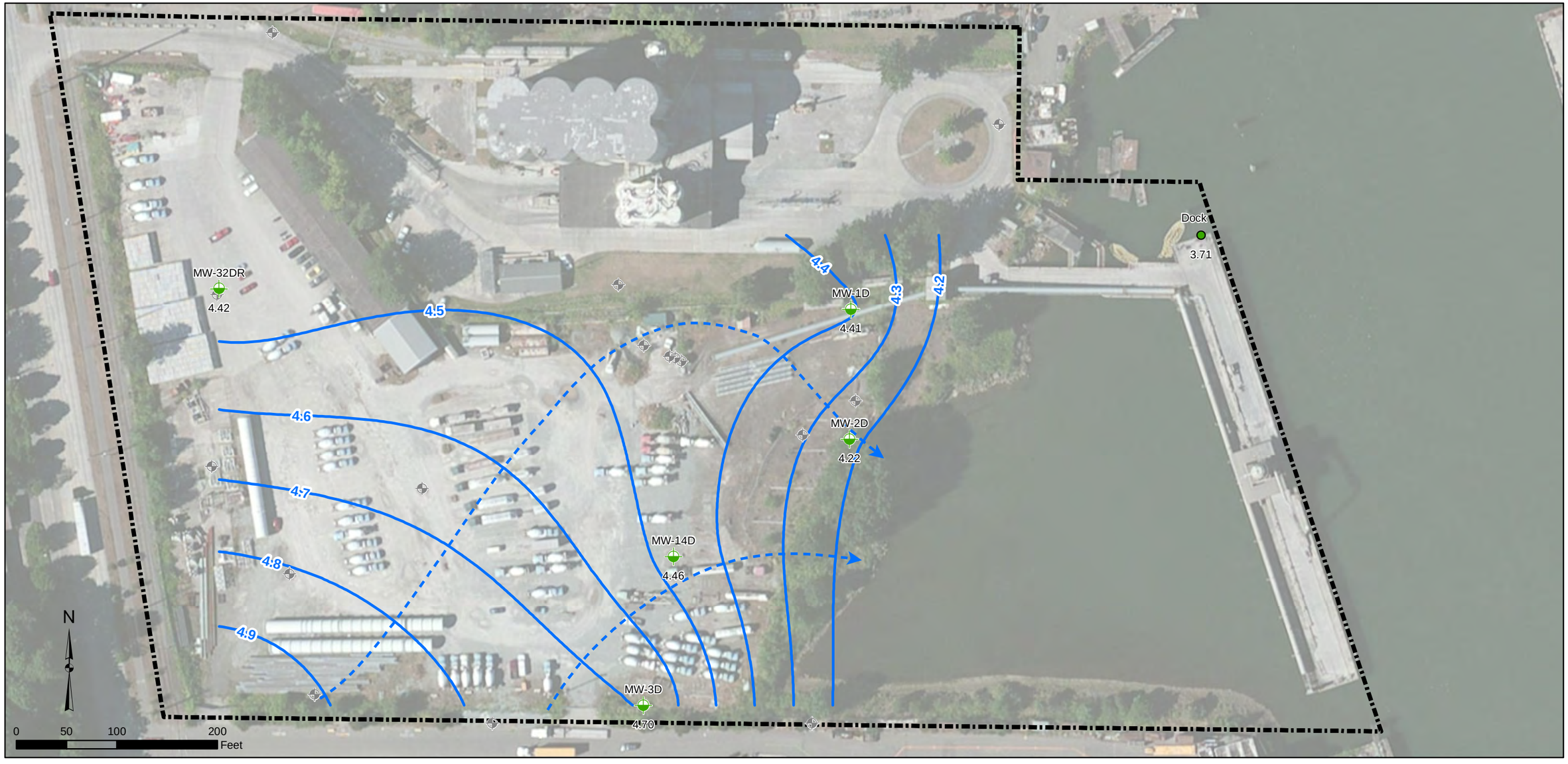
Drawn By: Mike Appel Date: 9/11/2013 Project: 0155129.11



Legend

- Contoured Deep Zone Groundwater Elevation (ft amsl)
- Deep Monitoring Well
- Dock/Stilling Pipe
- Shallow Monitoring Well
- Current Property Boundary
- Approximate Groundwater Flow Direction

Figure 5C

CONTOURED GROUNDWATER ELEVATION
DEEP ZONE
THIRD FILTERED MEAN WATER LEVELS
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

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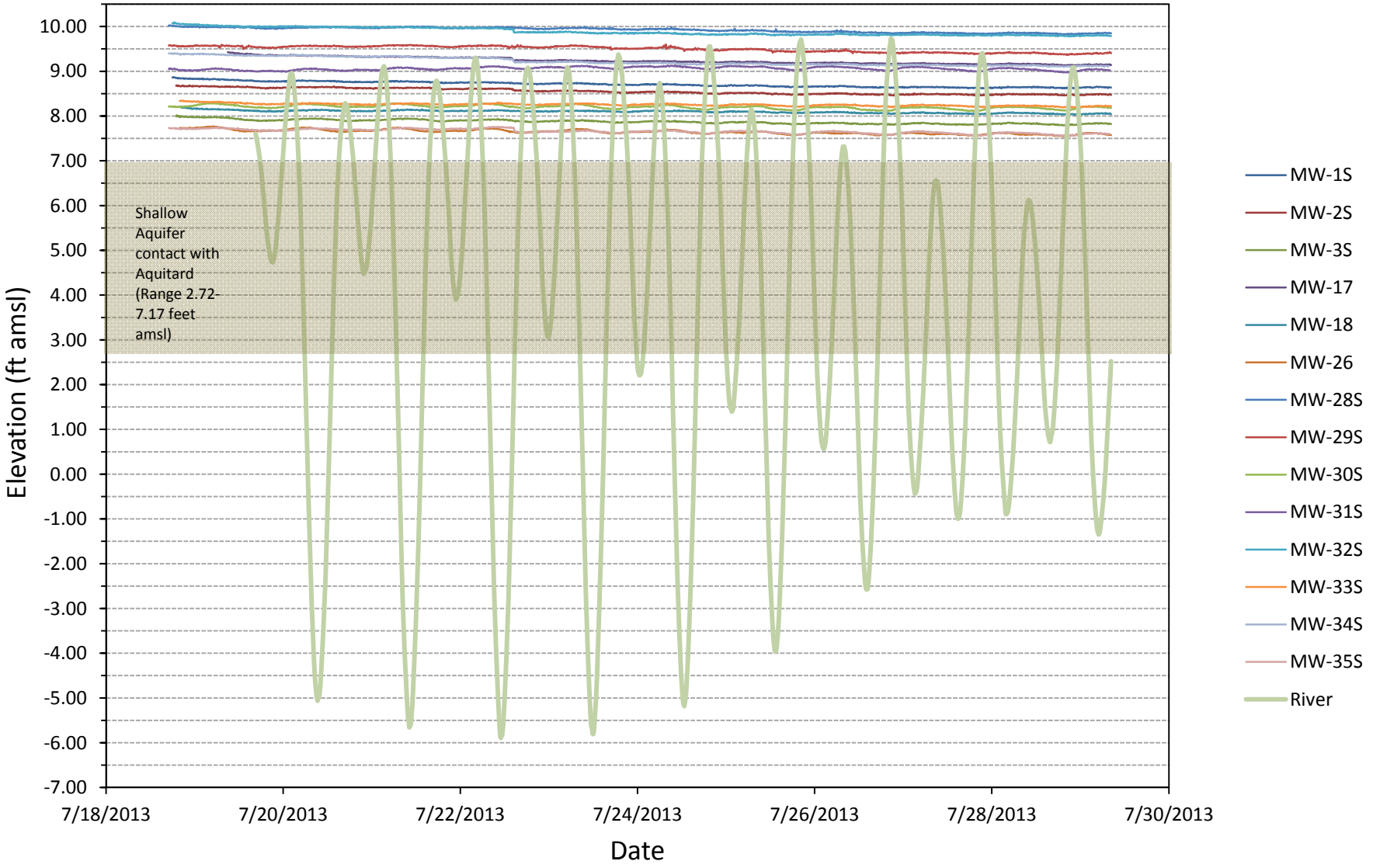


Figure 6

Shallow Zone Groundwater Elevations with River Stage
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

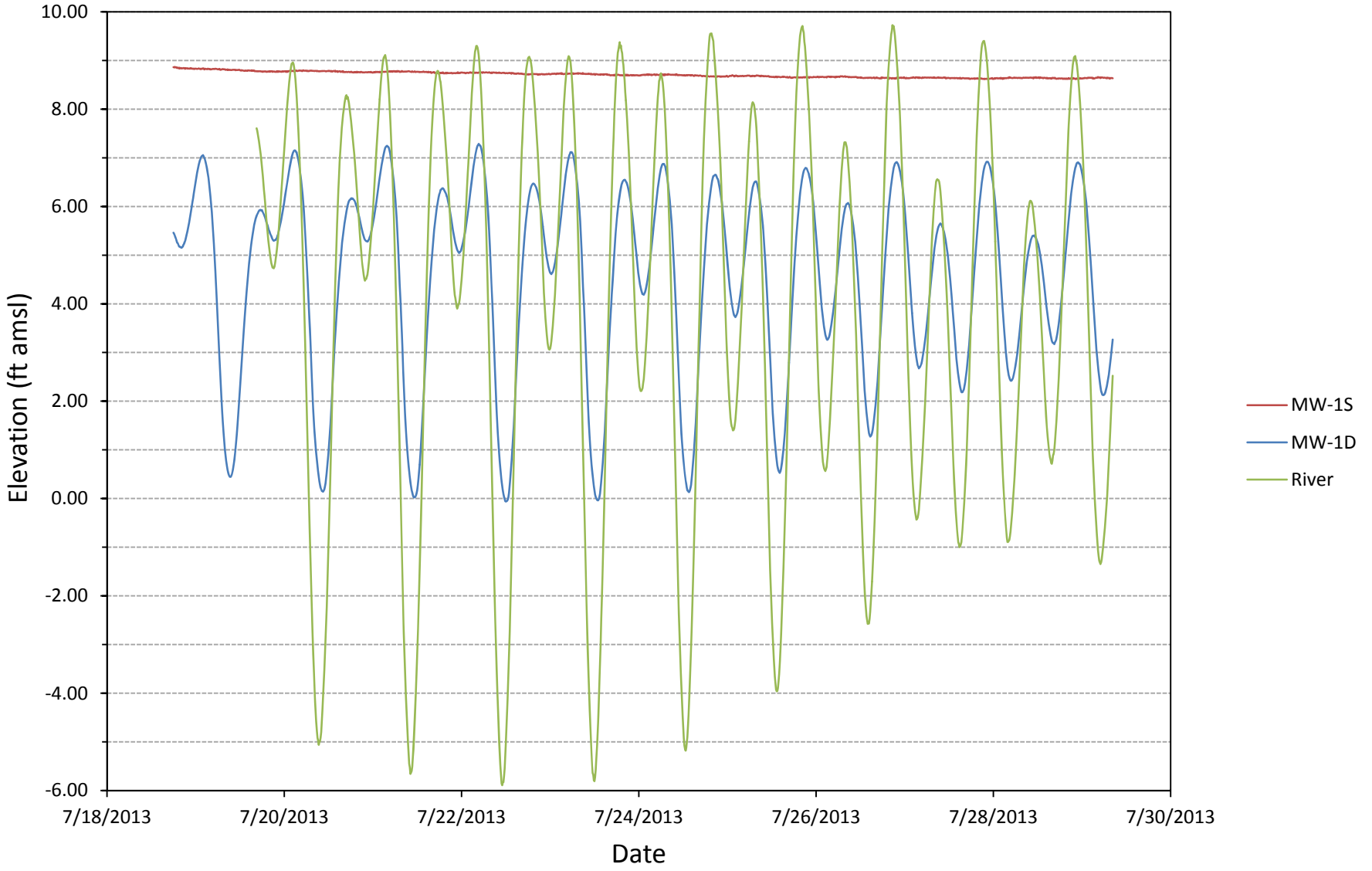


Figure 7

Shallow and Deep Groundwater Elevations and River Stage for Well Pair MW-1S and MW-1D
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

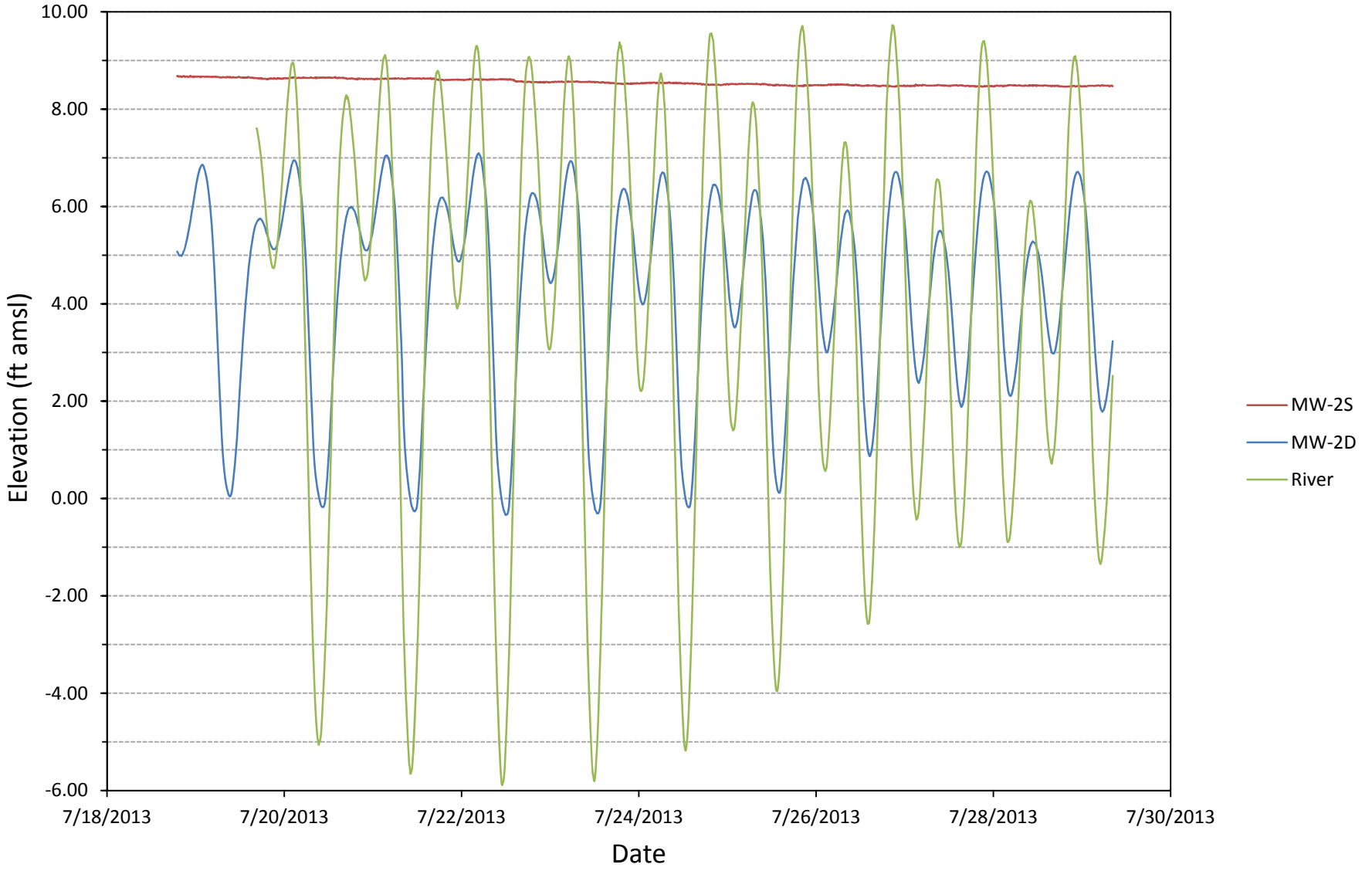


Figure 8

Shallow and Deep Groundwater Elevations and River Stage for Well Pair MW-2S and MW-2D
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

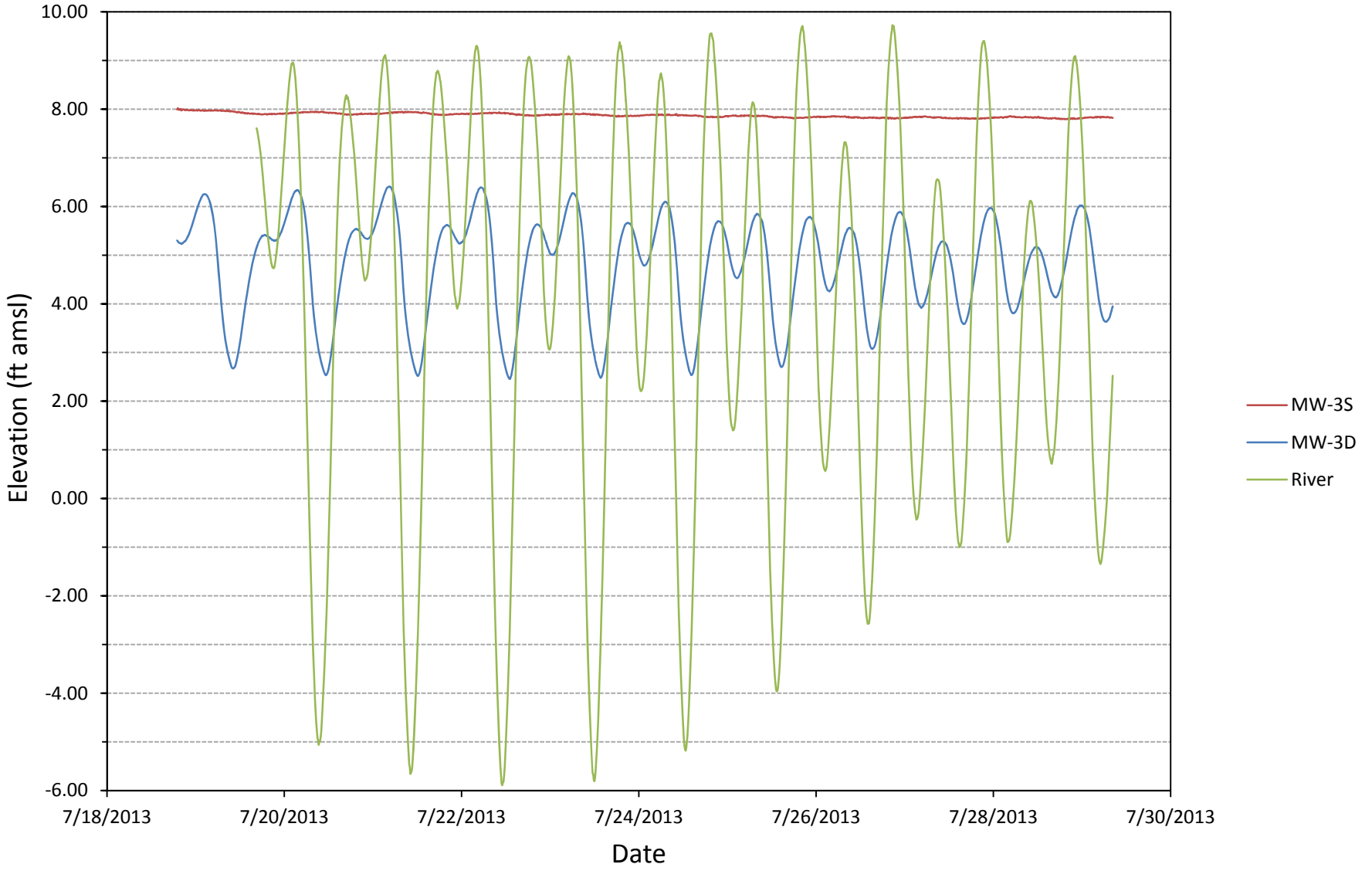


Figure 9

Shallow and Deep Groundwater Elevations and River Stage for Well Pair MW-3S and MW-3D
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

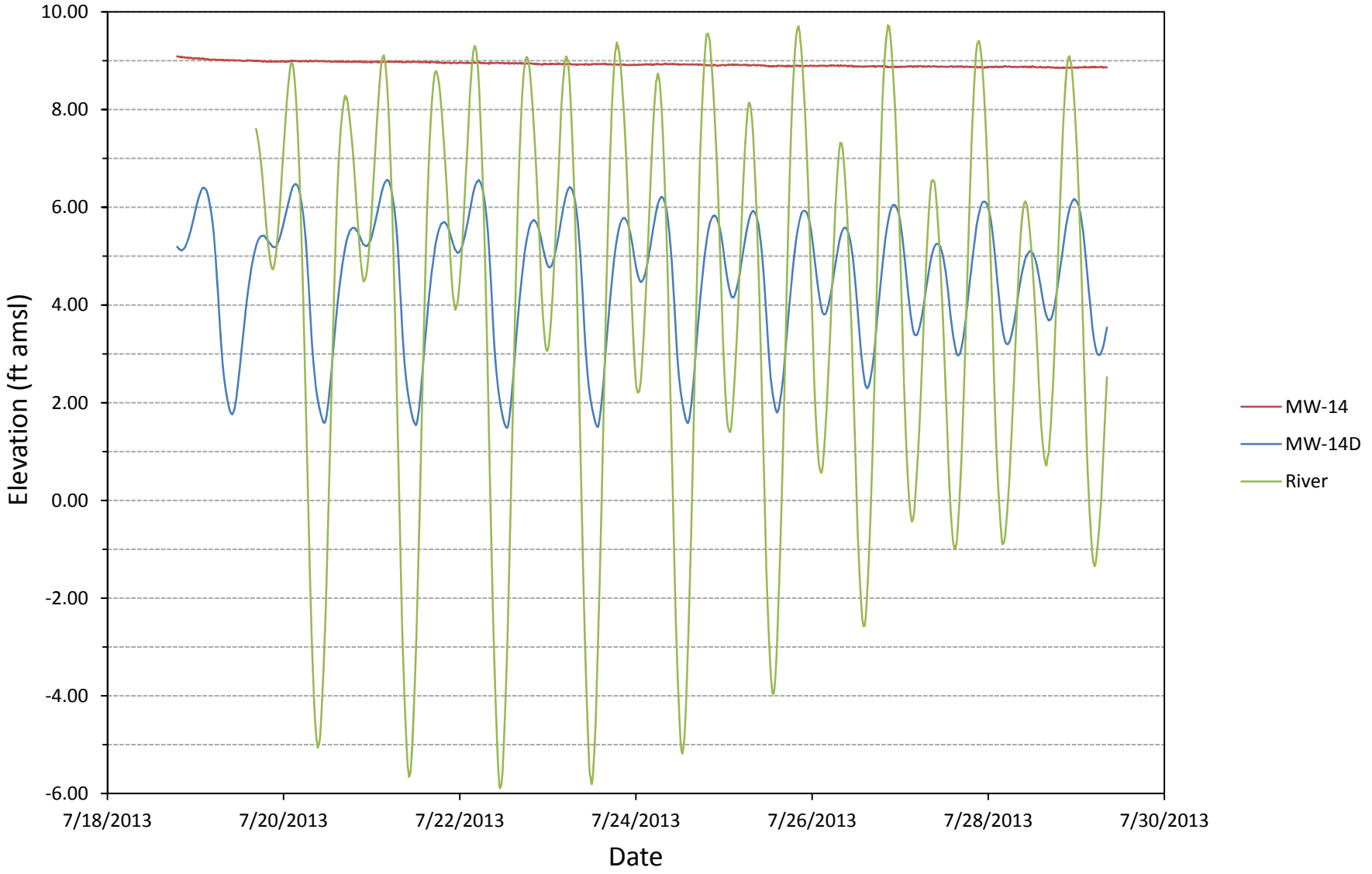


Figure 10

Shallow and Deep Groundwater Elevations and River Stage for Well Pair MW-14 and MW-14D
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

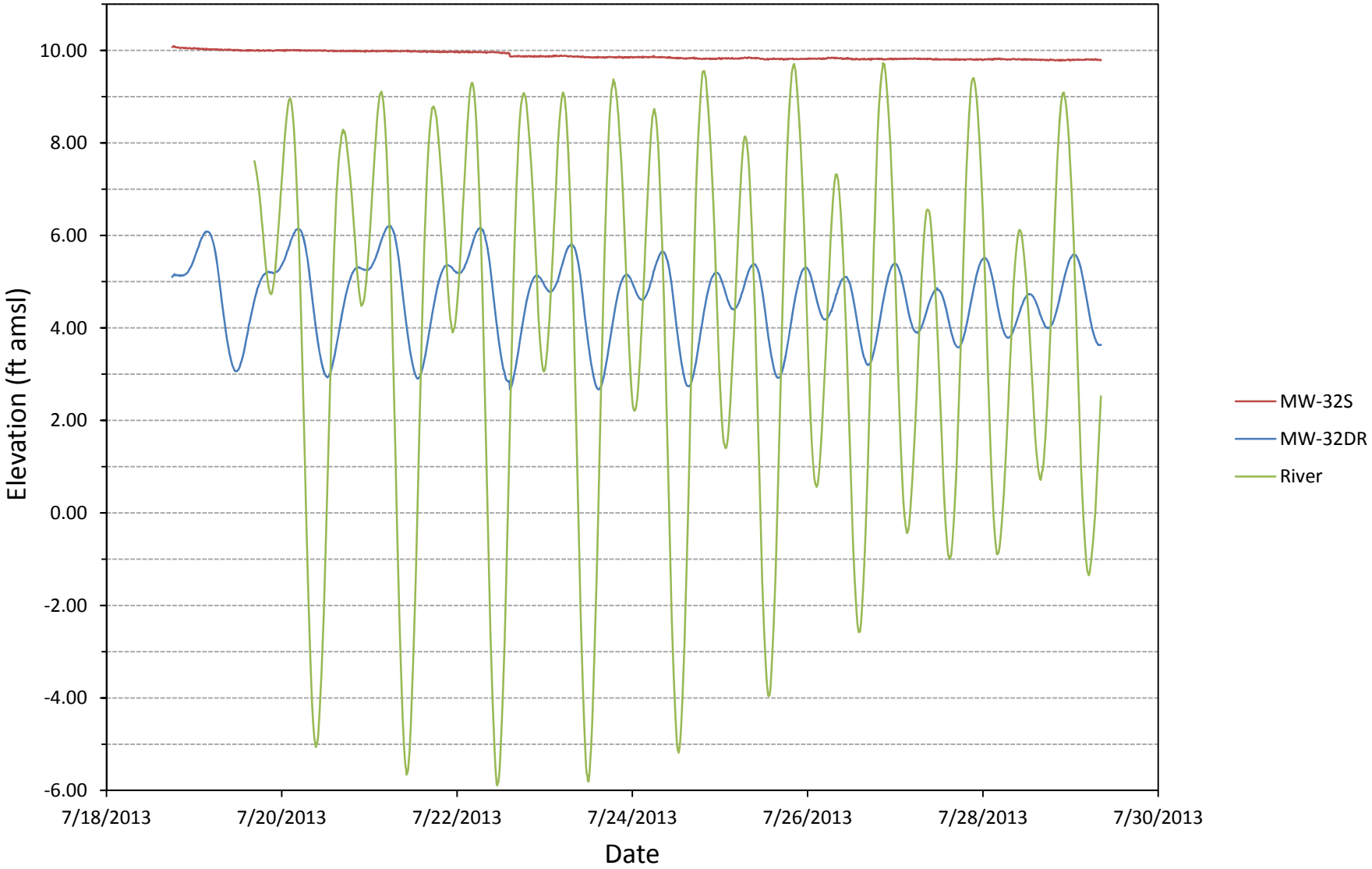


Figure 11

Shallow and Deep Groundwater Elevations and River Stage for Well Pair MW-32S and MW-32DR
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Figure 12a: MW-1S & MW-1D Specific conductance in shallow and deep aquifers relative to river stage

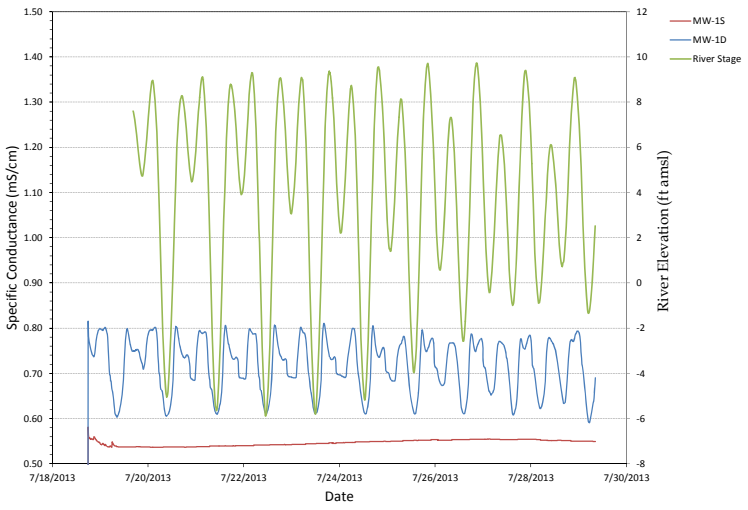


Figure 12b: MW-1S & MW-1D Temperature in the shallow and deep aquifers, and in the river, relative to river stage

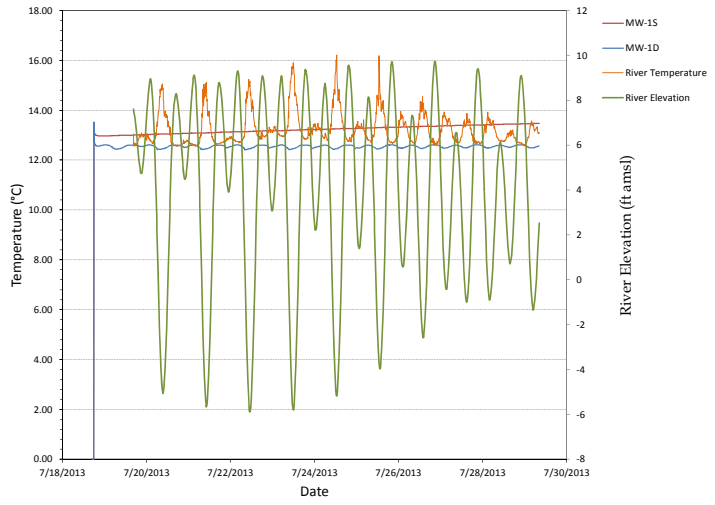


Figure 12c: MW-2S & MW-2D Specific conductance in shallow and deep aquifers relative to river stage

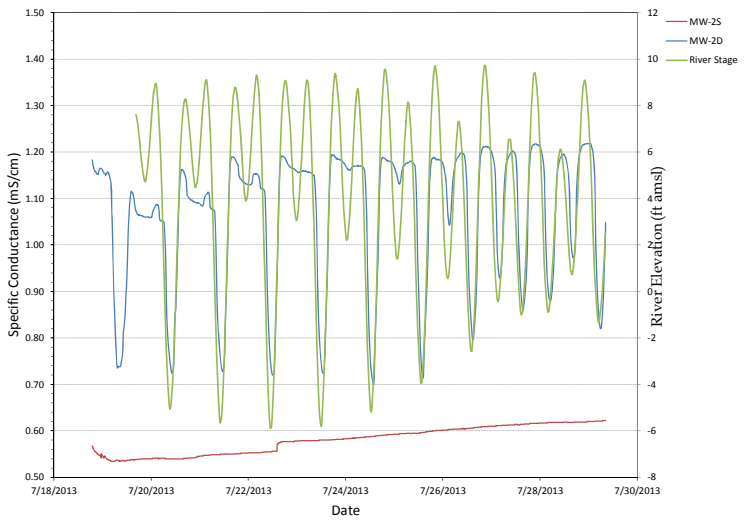


Figure 12d: MW-2S & MW-2D Temperature in the shallow and deep aquifers, and in the river, relative to river stage

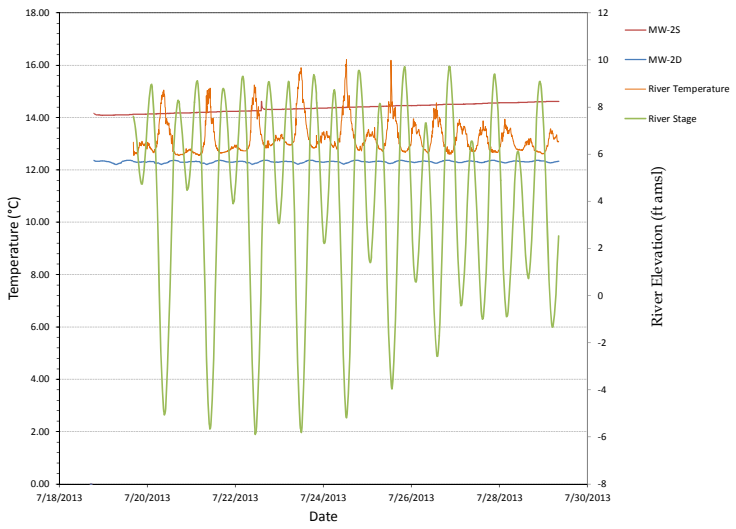


Figure 12e: MW-3S & MW-3D Specific conductance in shallow and deep aquifers relative to river stage

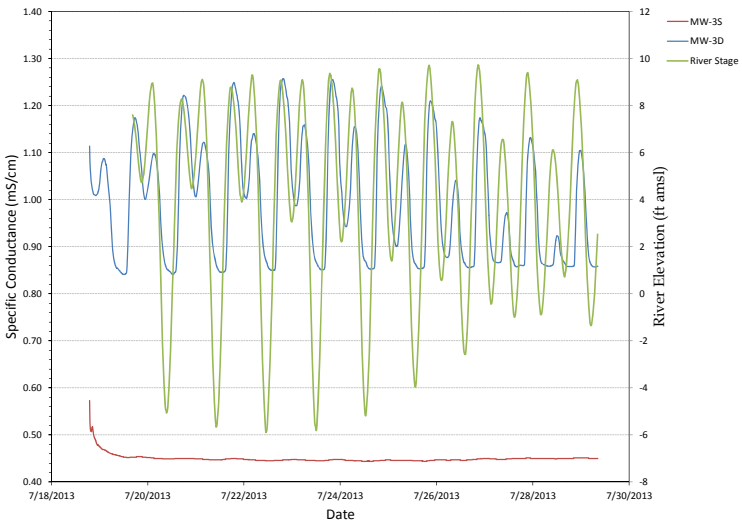


Figure 12f: MW-3S & MW-3D Temperature in the shallow and deep aquifers, and in the river, relative to river stage

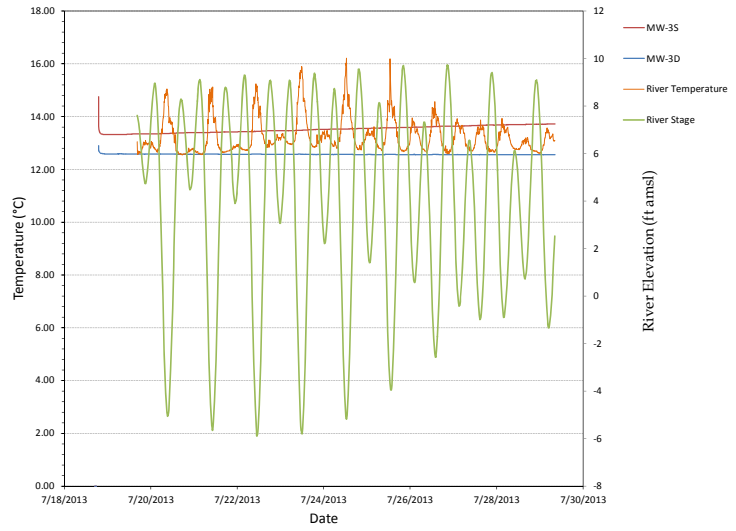


Figure 12g: MW-14S & MW-14D Specific conductance in shallow and deep aquifers relative to river stage

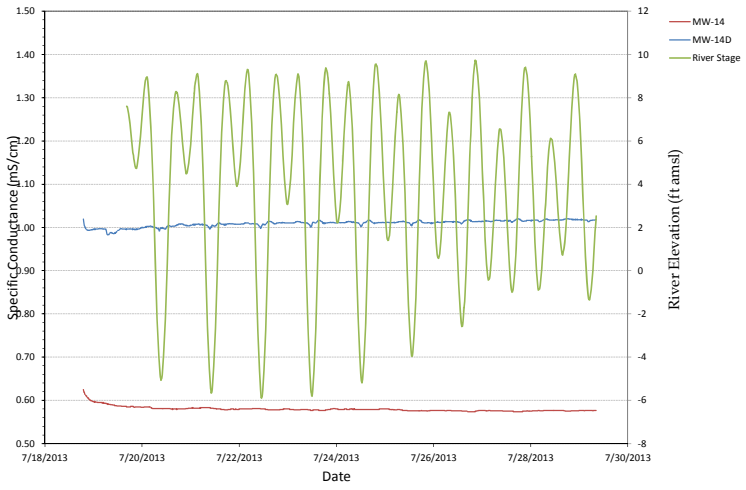


Figure 12h: MW-14S & MW-14D Temperature in the shallow and deep aquifers, and in the river, relative to river stage

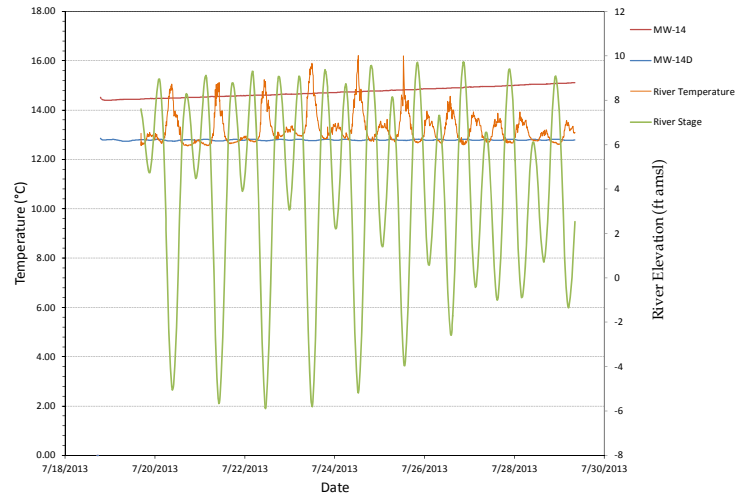


Figure 12i: MW-32S & MW-32D Specific conductance in shallow and deep aquifers relative to river stage

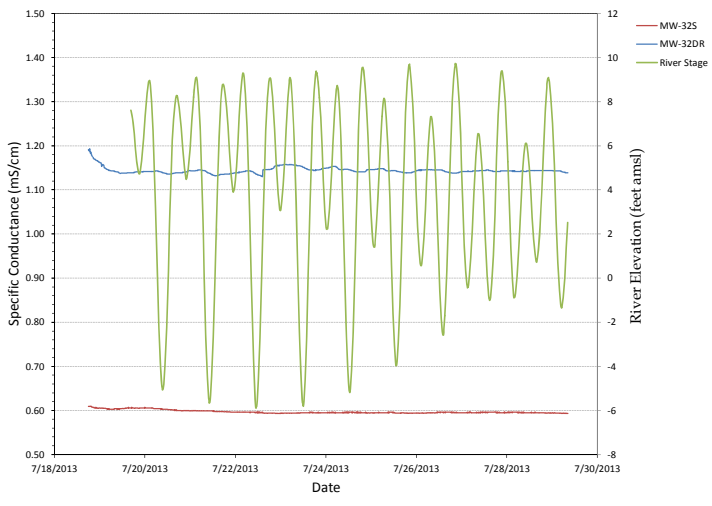
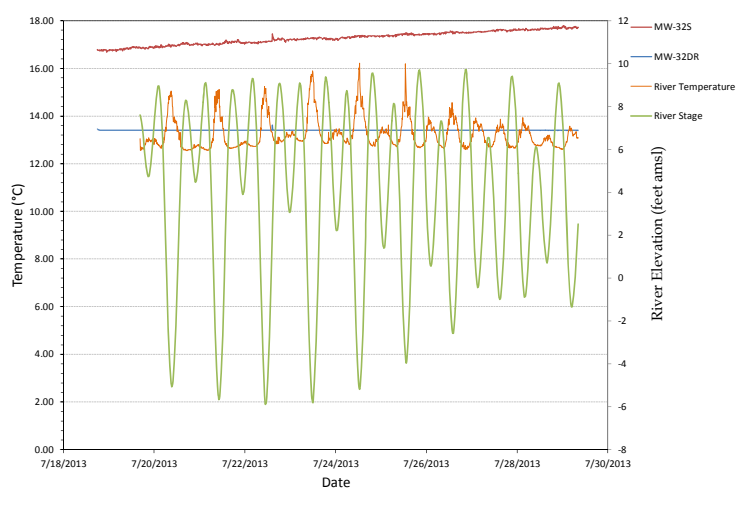


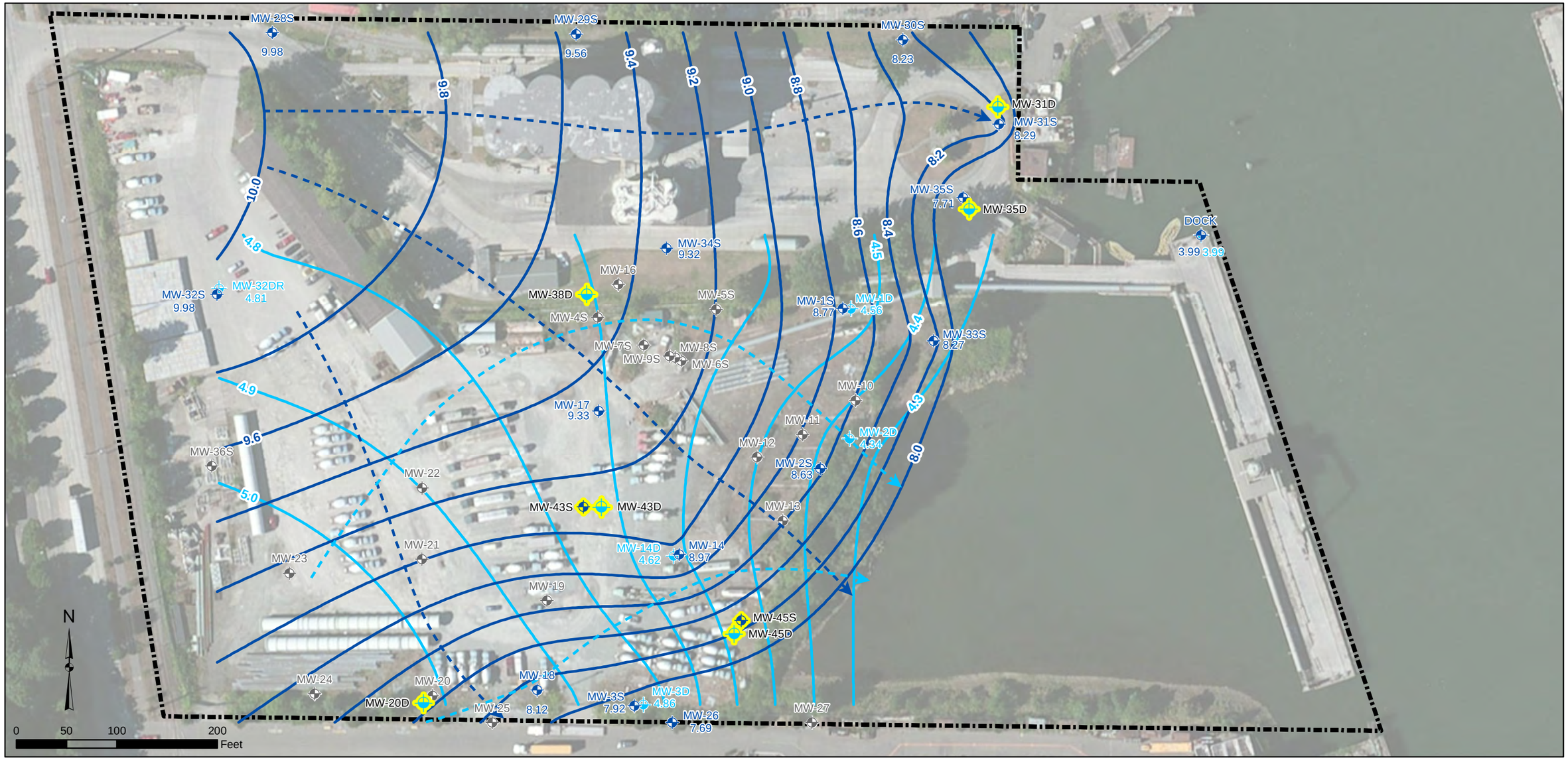
Figure 12j: MW-32S & MW-32DR Temperature in the shallow and deep aquifers, and in the river, relative to river stage



Figures 12a-12j
Specific Conductance and Temperature in Shallow and Deep Aquifers Relative to River Stage at MW Pairs
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

F:\Projects\Reichhold-Glacier Local (main file on SEA server)\0155129_107WE05 R-G Site Rem (2012)\TidalStudy\F13 Glacier Northwest-Reichhold Comparison.mxd

Drawn By: Mike Appel Date: 9/17/2013 Project: 0155129.11



Legend

- Ecology Proposed Shallow Monitoring Well
- Ecology Proposed Deep Monitoring Well
- Shallow Monitoring Well or Dock/Stilling Pipe Used in Tidal Study
- Deep Monitoring Well or Dock/Stilling Pipe Used in Tidal Study
- Shallow Monitoring Well Not Used in Tidal Study
- Deep Monitoring Well Not Used in Tidal Study
- Contoured Shallow Zone Groundwater Elevation (ft amsl)
- Contoured Deep Zone Groundwater Elevation (ft amsl)
- Current Property Boundary
- Approximate Groundwater Flow Direction

Figure 13

CONTOURED GROUNDWATER ELEVATION COMPARISON
SHALLOW AND DEEP ZONES
FIRST FILTERED MEAN WATER LEVELS
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

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Tables

Table 1

Monitoring Wells Included in Tidal Study and Mean Groundwater Elevations
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Monitoring Well	Zone	Location		Total Depth (feet)	Screen Interval (feet)	Mean Groundwater Elevation (feet amsl)	Filtered Mean - First 71 Hours (feet amsl)	Filtered Mean - Second 71 Hours (feet amsl)	Filtered Mean - Third 71 Hours (feet amsl)
		Northing	Easting						
MW-1S	Shallow	204056.5438	1267772.564	12.5	5.0 - 10.0	8.71	8.77	8.70	8.64
MW-1D	Deep	204056.5875	1267780.484	25.1	17.5 - 22.5	4.49	4.56	4.42	4.41
MW-2S	Shallow	203897.5437	1267750.177	12.4	5.0 - 10.0	8.55	8.63	8.53	8.48
MW-2D	Deep	203927.3617	1267779.323	25.0	17.8 - 22.8	4.28	4.35	4.21	4.22
MW-3S	Shallow	203661.21	1267565.264	13.4	5.9 - 10.9	7.87	7.92	7.87	7.83
MW-3D	Deep	203662.556	1267574.284	27.6	20.2 - 25.5	4.78	4.86	4.74	4.70
MW-14	Shallow	203812.1169	1267609.888	11.0	4.0 - 11.0	8.93	8.97	8.92	8.88
MW-14D	Deep	203810.58	1267604.157	24.0	19.0 - 24.0	4.54	4.62	4.49	4.46
MW-17	Shallow	203954.6049	1267530.003	11.5	4.5 - 11.5	9.24	9.33	9.22	9.17
MW-18	Shallow	203677.0623	1267468.567	13.0	3.0 - 13.0	8.10	8.12	8.11	8.07
MW-26	Shallow	203644.9972	1267602.704	15.0	5.0 - 15.0	7.65	7.69	7.65	7.60
MW-28S	Shallow	204331.271	1267205.032	9.0	3.0 - 9.0	9.92	9.98	9.94	9.86
MW-29S	Shallow	204330.024	1267507.117	9.0	3.0 - 9.0	9.50	9.56	9.52	9.42
MW-30S	Shallow	204324.182	1267832.083	7.0	3.0 - 7.0	8.20	8.23	8.20	8.16
MW-30S Baro Logger	NA			-	-	5.88	-	-	-
MW-31S	Shallow	204239.862	1267927.964	9.0	3.0 - 9.0	9.06	8.29	8.33	8.30
MW-32S	Shallow	204071.093	1267150.058	11.0	4.0 - 11.0	9.89	9.98	9.85	9.81
MW-32DR	Deep	204076.862	1267152.185	26.0	21.0 - 26.0	4.60	4.81	4.48	4.42
MW-33S	Shallow	204024.709	1267862.874	11.0	4.0 - 11.0	8.25	8.27	8.26	8.23
MW-34S	Shallow	204116.604	1267597.096	10.5	3.5 - 10.5	9.22	9.32	9.18	9.14
MW-35S	Shallow	204167.254	1267892.288	10.0	3.0 - 10.0	7.66	7.71	7.65	7.62
Tidal Stilling Well	River	204129.9234	1268128.749	-	-	3.85	3.99	3.76	3.71

Notes:
amsl = above mean sea level
- or NA = Not Applicable
Mean Groundwater Elevation = full tidal study period mean
Filtered Mean Groundwater Elevation = 71-hour mean (Serfes 1991)
First Filtered Mean = 19 July 2013 17:00 hours to 22 July 2013 16:00 hours;
Second Filtered Mean = 22 July 2013 16:00 hours to 25 July 2013 15:00 hours; and
Third Filtered Mean = 25 July 2013 15:00 hours to 29 July 2013 14:00 hours.

Table 2

Summary of Parameters for Shallow/Deep Well Pairs
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Monitoring Well	Aquifer Zone	Average Groundwater Temperature (deg C)	Average Groundwater Specific Conductance (mS/cm)	Well Pair Temperature Difference (deg C)	Well Pair Specific Conductance Difference (mS/cm)	Top Screen Depth (ft bgs)	Bottom Screen Depth (ft bgs)	Screen Midpoint Depth (ft bgs)	Filtered Mean First 71 Hours (ft amsl)	Filtered Mean Second 71 Hours (ft amsl)	Filtered Mean Third 71 Hours (ft amsl)	Average Difference in Groundwater Elevation Between Aquifers (ft)	Vertical Gradient			Vertical Direction of Groundwater Movement
													First 71 Hours (ft/ft)	Second 71 Hours (ft/ft)	Third 71 Hours (ft/ft)	
MW-1S	Shallow	13.22	0.546	0.677	-0.171	5.0	10.0	7.5	8.765	8.701	8.643	4.240	-0.34	-0.34	-0.34	Downward
MW-1D	Deep	12.55	0.717			17.5	22.5	20.0	4.560	4.416	4.414					Shallow to Deeper Aquifer
MW-2S	Shallow	14.35	0.580	2.047	-0.490	5.0	10.0	7.5	8.626	8.534	8.483	4.289	-0.33	-0.34	-0.33	Downward
MW-2D	Deep	12.31	1.071			17.8	22.8	20.3	4.345	4.211	4.220					Shallow to Deeper Aquifer
MW-3S	Shallow	13.52	0.450	0.947	-0.545	5.9	10.9	8.4	7.915	7.872	7.825	3.104	-0.21	-0.22	-0.22	Downward
MW-3D	Deep	12.57	0.995			20.2	25.5	22.9	4.860	4.745	4.695					Shallow to Deeper Aquifer
MW-14	Shallow	14.73	0.580	1.941	-0.429	4.0	11.0	7.5	8.975	8.923	8.881	4.405	-0.31	-0.32	-0.32	Downward
MW-14D	Deep	12.79	1.009			19.0	24.0	21.5	4.616	4.488	4.459					Shallow to Deeper Aquifer
MW-32S	Shallow	17.27	0.597	3.869	-0.547	4.0	11.0	7.5	9.983	9.847	9.814	5.311	-0.32	-0.34	-0.34	Downward
MW-32DR	Deep	13.40	1.144			21.0	26.0	23.5	4.814	4.475	4.421					Shallow to Deeper Aquifer

Notes:
amsl = Above Mean Sea Level
bgs = Below Ground Surface
C = Celsius
deg = Degrees
ft = feet
ms/cm = millisiemens per centimeter

Table 3

Summary of Graphically Calculated Lag Times
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Shallow Monitoring Wells			Deep Monitoring Wells		
Monitoring Well Location	Minimum Time Lag (minutes)	Distance From River (feet)	Monitoring Well Location	Minimum Time Lag (minutes)	Distance from River (feet)
Dock	0	0	MW-1D	40	150
MW-1S	540	155	MW-2D	30	86
MW-2S	540	95	MW-3D	80	181
MW-3S	480	190	MW-14D	70	173
MW-26	360	159	MW-32DR	140	697
MW-30S	420	185	-	-	-
MW-31S	360	82	-	-	-
MW-33S	480	75	-	-	-
MW-35S	420	103	-	-	-
Minimum	360	-	-	30	-
Maximum	540	-	-	140	-
Mean	450	-	-	72	-

Notes:
Shaded = Summary of Parameters
- or NA = Not Applicable

Table 4

Analysis of Water Level Fluctuations
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Shallow Monitoring wells			Deep Monitoring wells				Ratio of Shallow Zone Fluctuation Range Over Deep (feet/feet)
Monitoring Well Location	Mean Elevation (feet amsl)	Range of Fluctuation (feet)	Monitoring Well Location	Mean Elevation (feet amsl)	Range of Fluctuation (feet)	Distance from River (feet)	
MW-1S	8.71	0.25	MW-1D	4.49	7.35	150	0.034
MW-2S	8.55	0.23	MW-2D	4.28	7.44	86	0.031
MW-3S	7.87	0.22	MW-3D	4.78	3.96	181	0.057
MW-14	8.93	0.24	MW-14D	4.54	5.08	173	0.048
MW-17	9.24	0.30	-	-	-	-	-
MW-18	8.10	0.19	-	-	-	-	-
MW-26	7.65	0.22	-	-	-	-	-
MW-28S	9.92	0.21	-	-	-	-	-
MW-29S	9.50	0.23	-	-	-	-	-
MW-30S	8.20	0.18	-	-	-	-	-
MW-31S	9.06	0.16	-	-	-	-	-
MW-32S	9.89	0.31	MW-32DR	4.60	3.54	697	0.087
MW-33S	8.25	0.15	-	-	-	-	-
MW-34S	9.22	0.31	-	-	-	-	-
MW-35S	7.66	0.20	-	-	-	-	-
Maximum	9.92	0.31	-	4.78	7.44	-	0.09
Minimum	7.65	0.15	-	4.28	3.54	-	0.03
Mean	8.72	0.23	-	4.54	5.47	-	0.05

Notes:
amsl = above mean sea level
Shaded = Summary of Parameters
- or NA = Not Applicable

Appendix A
Tidal Study Data

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/18/2013 17:00												10.020	9.577	8.208	8.289				9.399	7.732	
7/18/2013 17:10												10.028	9.585	8.217	8.305				9.404	7.736	
7/18/2013 17:20												10.024	9.58	8.213	8.301				9.399	7.728	
7/18/2013 17:30												10.024	9.58	8.213	8.301				9.394	7.723	
7/18/2013 17:40												10.017	9.567	8.208	8.284				9.399	7.723	
7/18/2013 17:50												10.021	9.571	8.212	8.293				9.404	7.727	
7/18/2013 18:00	8.863	5.460										10.009	9.567	8.204	8.289	10.072	5.105		9.388	7.723	
7/18/2013 18:10	8.857	5.439										10.015	9.567	8.209	8.289	10.078	5.117		9.388	7.728	
7/18/2013 18:20	8.868	5.408										10.026	9.584	8.215	8.297	10.089	5.136		9.399	7.728	
7/18/2013 18:30	8.857	5.370										10.020	9.573	8.209	8.286	10.078	5.141		9.394	7.728	
7/18/2013 18:40	8.863	5.339										10.013	9.571	8.215	8.297	10.089	5.164		9.405	7.734	
7/18/2013 18:50	8.857	5.295										10.007	9.573	8.204	8.286	10.07	5.136		9.394	7.717	
7/18/2013 19:00	8.846	5.255	8.678	5.073	7.994	5.300	9.087	5.191				10.001	9.567	8.198	8.28	10.07	5.136		9.388	7.717	
7/18/2013 19:10	8.851	5.246	8.684	5.052	8.017	5.287	9.092	5.185				10.013	9.571	8.209	8.286	10.07	5.147		9.399	7.728	
7/18/2013 19:20	8.850	5.212	8.676	5.025	8.004	5.262	9.085	5.16				10.005	9.558	8.208	8.278	10.061	5.14		9.398	7.715	
7/18/2013 19:30	8.838	5.179	8.665	4.997	7.987	5.255	9.079	5.141				10.000	9.552	8.196	8.267	10.063	5.134		9.386	7.715	
7/18/2013 19:40	8.850	5.177	8.676	4.989	7.998	5.249	9.077	5.145				10.005	9.564	8.202	8.267	10.068	5.14		9.386	7.715	
7/18/2013 19:50	8.840	5.164	8.676	4.993	7.987	5.249	9.077	5.136				10.005	9.558	8.208	8.272	10.061	5.14		9.386	7.721	
7/18/2013 20:00	8.846	5.158	8.672	4.992	8.000	5.243	9.087	5.12		8.215	7.736	9.999	9.559	8.204	8.268	10.057	5.141	8.339	9.388	7.717	
7/18/2013 20:10	8.838	5.152	8.659	4.985	7.975	5.230	9.066	5.113		8.202	7.723	9.994	9.552	8.196	8.261	10.049	5.123	8.337	9.369	7.704	
7/18/2013 20:20	8.840	5.165	8.666	5.010	7.989	5.239	9.073	5.12		8.202	7.730	9.994	9.559	8.204	8.268	10.051	5.136	8.345	9.382	7.711	
7/18/2013 20:30	8.840	5.173	8.666	5.019	7.989	5.243	9.066	5.128		8.189	7.730	9.994	9.559	8.204	8.263	10.057	5.13	8.333	9.388	7.711	
7/18/2013 20:40	8.846	5.210	8.682	5.067	7.998	5.260	9.075	5.143		8.206	7.734	10.004	9.569	8.214	8.272	10.061	5.14	8.343	9.386	7.727	
7/18/2013 20:50	8.842	5.231	8.675	5.087	7.991	5.270	9.068	5.151		8.191	7.733	9.996	9.556	8.212	8.265	10.059	5.132	8.336	9.379	7.713	
7/18/2013 21:00	8.844	5.265	8.676	5.121	7.981	5.285	9.070	5.166		8.193	7.734	9.998	9.564	8.208	8.267	10.055	5.14	8.341	9.386	7.721	
7/18/2013 21:10	8.830	5.295	8.661	5.163	7.977	5.287	9.060	5.177		8.183	7.724	9.988	9.554	8.204	8.251	10.045	5.136	8.327	9.377	7.711	
7/18/2013 21:20	8.840	5.349	8.666	5.224	7.983	5.306	9.066	5.214		8.189	7.730	10.001	9.554	8.213	8.257	10.051	5.147	8.333	9.388	7.717	
7/18/2013 21:30	8.840	5.406	8.672	5.283	7.989	5.325	9.066	5.248		8.189	7.736	10.001	9.554	8.219	8.268	10.057	5.153	8.333	9.394	7.723	
7/18/2013 21:40	8.840	5.462	8.672	5.341	7.983	5.356	9.060	5.277		8.183	7.730	9.996	9.561	8.219	8.257	10.045	5.159	8.327	9.388	7.723	
7/18/2013 21:50	8.834	5.510	8.661	5.391	7.983	5.369	9.054	5.307		8.177	7.721	9.990	9.556	8.213	8.257	10.053	5.172	8.331	9.382	7.705	
7/18/2013 22:00	8.838	5.583	8.665	5.460	7.981	5.404	9.066	5.346		8.181	7.725	9.994	9.56	8.217	8.255	10.049	5.182	8.335	9.386	7.715	
7/18/2013 22:10	8.832	5.646	8.665	5.527	7.975	5.423	9.052	5.386		8.175	7.729	9.988	9.56	8.212	8.255	10.044	5.193	8.326	9.386	7.709	
7/18/2013 22:20	8.834	5.715	8.666	5.595	7.977	5.461	9.054	5.432		8.177	7.726	9.997	9.556	8.219	8.257	10.047	5.214	8.327	9.382	7.723	
7/18/2013 22:30	8.840	5.789	8.682	5.672	7.983	5.492	9.060	5.48		8.175	7.742	10.003	9.567	8.225	8.268	10.051	5.237	8.333	9.388	7.717	
7/18/2013 22:40	8.834	5.860	8.666	5.733	7.977	5.528	9.054	5.507		8.169	7.730	9.990	9.556	8.219	8.251	10.045	5.254	8.327	9.388	7.711	
7/18/2013 22:50	8.840	5.939	8.678	5.815	7.983	5.572	9.060	5.57		8.175	7.736	9.996	9.567	8.225	8.263	10.051	5.285	8.327	9.382	7.717	
7/18/2013 23:00	8.834	6.015	8.672	5.903	7.977	5.608	9.052	5.612		8.175	7.736	10.003	9.567	8.225	8.263	10.045	5.302	8.327	9.382	7.723	
7/18/2013 23:10	8.832	6.098	8.665	5.967	7.975	5.639	9.045	5.662		8.160	7.725	9.996	9.56	8.217	8.255	10.044	5.325	8.32	9.381	7.709	
7/18/2013 23:20	8.830	6.170	8.657	6.052	7.973	5.679	9.042	5.723		8.158	7.726	9.986	9.557	8.221	8.253	10.035	5.352	8.317	9.372	7.707	
7/18/2013 23:30	8.832	6.260	8.676	6.133	7.981	5.731	9.050	5.773		8.166	7.734	9.994	9.565	8.229	8.255	10.044	5.39	8.326	9.386	7.715	
7/18/2013 23:40	8.824	6.339	8.666	6.215	7.971	5.763	9.046	5.824		8.162	7.726	9.990	9.561	8.225	8.257	10.039	5.417	8.322	9.377	7.711	
7/18/2013 23:50	8.832	6.425	8.665	6.290	7.975	5.811	9.050	5.884		8.166	7.730	9.994	9.573	8.238	8.261	10.049	5.456	8.326	9.386	7.715	
7/19/2013 0:00	8.834	6.507	8.672	6.374	7.977	5.855	9.044	5.943		8.168	7.732	9.996	9.567	8.236	8.263	10.043	5.494	8.327	9.394	7.711	
7/19/2013 0:10	8.834	6.589	8.666	6.447	7.977	5.894	9.052	5.998		8.168	7.738	9.996	9.575	8.24	8.263	10.051	5.53	8.32	9.388	7.711	
7/19/2013 0:20	8.829	6.649	8.670	6.516	7.975	5.934	9.050	6.052		8.166	7.736	9.986	9.579	8.238	8.261	10.044	5.565	8.318	9.381	7.709	
7/19/2013 0:30	8.827	6.720	8.665	6.581	7.970	5.972	9.045	6.089		8.154	7.734	9.996	9.567	8.238	8.255	10.044	5.599	8.32	9.381	7.709	
7/19/2013 0:40	8.834	6.796	8.672	6.638	7.977	6.016	9.052	6.153		8.168	7.744	9.996	9.575	8.246	8.263	10.038	5.637	8.327	9.388	7.723	
7/19/2013 0:50	8.838	6.856	8.670	6.692	7.981	6.058	9.043	6.194		8.166	7.742	9.994	9.573	8.256	8.261	10.044	5.678	8.33	9.386	7.715	
7/19/2013 1:00	8.830	6.905	8.666	6.747	7.977	6.091	9.052	6.23		8.168	7.744	9.996	9.575	8.257	8.268	10.038	5.716	8.32	9.394	7.723	
7/19/2013 1:10	8.830	6.949	8.662	6.782	7.973	6.117	9.040	6.268		8.158	7.739	9.991	9.571	8.253	8.258	10.047	5.74	8.321	9.39	7.713	
7/19/2013 1:20	8.823	6.976	8.655	6.807	7.966	6.140	9.041	6.295		8.156	7.736	9.976	9.563	8.246	8.257	10.026	5.781	8.308	9.377	7.711	
7/19/2013 1:30	8.834	7.014	8.666	6.835	7.971	6.177	9.039	6.335		8.156	7.738	9.990	9.569	8.257	8.266	10.032	5.823	8.314	9.388	7.721	
7/19/2013 1:40	8.828	7.035	8.666	6.847	7.977	6.196	9.033	6.364		8.162	7.747	9.990	9.569	8.257	8.263	10.032	5.865	8.314	9.388	7.721	
7/19/2013 1:50	8.830	7.044	8.668	6.860	7.973	6.217	9.048	6.387		8.163	7.745	9.991	9.571	8.263	8.274	10.033	5.895	8.316	9.39	7.718	
7/19/2013 2:00	8.840	7.054	8.672	6.847	7.977	6.246	9.052	6.396		8.168	7.749	9.996	9.58	8.273	8.278	10.038	5.936	8.32	9.399	7.726	
7/19/2013 2:10	8.832	7.033	8.670	6.828	7.970	6.250	9.045	6.404		8.154	7.742	9.996	9.573	8.265	8.276	10.03	5.951	8.318	9.386	7.725	
7/19/2013 2:20	8.817	7.001	8.665	6.778	7.964	6.250	9.033	6.393		8.149	7.740	9.982	9.562	8.265	8.27	10.024	5.976	8.312	9.375	7.719	
7/19/2013 2:30	8.832	6.972	8.665	6.746	7.970	6.255	9.031	6.391		8.154	7.753	9.988	9.567	8.277	8.276	10.038	6.012	8.318	9.392	7.721	
7/19/2013 2:40	8.828	6.928	8.666	6.692	7.966	6.251	9.035	6.373		8.156	7.744	9.992	9.577	8.273	8.278	10.026	6.026	8.304	9.388	7.726	
7/19/2013 2:50	8.828	6.865	8.666	6.638	7.971	6.246	9.035	6.366		8.156	7.749	9.992	9.577	8.278	8.278	10.026	6.045	8.314	9.388	7.723	
7/19/2013 3:00	8.823	6.811	8.670	6.577	7.971	6.234	9.035	6.345		8.156	7.755	9.984	9.569	8.278	8.284	10.02	6.068	8.314	9.388	7.721	
7/19/2013 3:10	8.823	6.737	8.664	6.485	7.966	6.215	9.029	6.303		8.150	7.744	9.978	9.571	8.278	8.284	10.02	6.062	8.314	9.377	7.721	
7/19/2013 3:20	8.834	6.673	8.666	6.413	7.971	6.196	9.035	6.268		8.164	7.761	9.992	9.577	8.284	8.289	10.039	6.085	8.32	9.382	7.726	
7/19/2013 3:30	8.828	6.566	8.664	6.303	7.971	6.165	9.029	6.215		8.150	7.755	9.986	9.571	8.282	8.289	10.02	6.085	8.314	9.382	7.726	
7/19/2013 3:40	8.823	6.457	8.664	6.194	7.971	6.135	9.021	6.163		8.150	7.761	9.986	9.571	8.288	8.284	10.028	6.079	8.314	9.388	7.726	
7/19/2013 3:50	8.828	6.333	8.664	6.072	7.971	6.104	9.021	6.107		8.150	7.761	9.986	9.571	8.282	8.289	10.02	6.079	8.308	9.382	7.732	
7/19/2013 4:00	8.817	6.210	8.661	5.942	7.971	6.060	9.021	6.039		8.150	7.755	9.986	9.563	8.278	8.289	10.028	6.068	8.314	9.377	7.726	
7/19/2013 4:10	8.817	6.072	8.664	5.792	7.966	6.005	9.021	5.96		8.150	7.761	9.986	9.571	8.282	8.289	10.026	6.062	8.31	9.377	7.726	
7/19/2013 4:20	8.823	5.923	8.661	5.639	7.971	5.957	9.021	5.878		8.150	7.761	9.986	9.571	8.282	8.295	10.02	6.045	8.31	9.382	7.726	
7/19/2013 4:30	8.823	5.751	8.661	5.461	7.971	5.888	9.021	5.792		8.150	7.761	9.986	9.563	8.282	8.295	10.026	6.02	8.31	9.382	7.726	
7/19/2013 4:40	8.828	5.567	8.670	5.266	7.971	5.821	9.021	5.686		8.158	7.767	9.992	9.571	8.282	8.301	10.02	5.997	8.31	9.382	7.738	
7/19/2013 4:50	8.828	5.362	8.664	5.035	7.971	5.727	9.023	5.56		8.152	7.767	9.986	9.571	8.282	8.295	10.015	5.961	8.304	9.382	7.738	
7/19/2013 5:00	8.823	5.144	8.664	4.792	7.971	5.635	9.023	5.417		8.152	7.767	9.986	9.571	8.276	8.301	10.028	5.913	8.316	9.388	7.732	
7/19/2013 5:10	8.828	4.913	8.664	4.541	7.977	5.530	9.029	5.275		8.152	7.767	9.986	9.579	8.282	8.295	10.022	5.871	8.31	9.377	7.732	

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/19/2013 5:20	8.834	4.679	8.670	4.279	7.977	5.419	9.023	5.122		8.152	7.767	9.994	9.579	8.282	8.301	10.022	5.823	8.316	9.388	7.732	
7/19/2013 5:30	8.828	4.413	8.661	3.988	7.971	5.296	9.023	4.955		8.154	7.755	9.996	9.565	8.282	8.301	10.016	5.758	8.316	9.382	7.738	
7/19/2013 5:40	8.828	4.153	8.664	3.706	7.977	5.166	9.018	4.772		8.154	7.761	9.988	9.573	8.276	8.307	10.024	5.693	8.31	9.371	7.738	
7/19/2013 5:50	8.823	3.887	8.664	3.393	7.971	5.025	9.018	4.59		8.154	7.755	9.996	9.573	8.276	8.301	10.03	5.626	8.316	9.371	7.738	
7/19/2013 6:00	8.817	3.607	8.659	3.090	7.966	4.877	9.018	4.389		8.148	7.761	9.990	9.567	8.276	8.301	10.024	5.538	8.316	9.377	7.738	
7/19/2013 6:10	8.823	3.341	8.659	2.790	7.971	4.728	9.018	4.192		8.148	7.744	9.990	9.567	8.276	8.295	10.024	5.459	8.316	9.377	7.738	
7/19/2013 6:20	8.817	3.060	8.655	2.487	7.971	4.575	9.018	3.989		8.148	7.749	9.982	9.567	8.276	8.295	10.016	5.369	8.316	9.377	7.726	
7/19/2013 6:30	8.828	2.800	8.659	2.196	7.977	4.420	9.023	3.786		8.162	7.755	9.996	9.565	8.282	8.301	10.024	5.293	8.322	9.382	7.749	
7/19/2013 6:40	8.811	2.528	8.649	1.896	7.971	4.255	9.020	3.57		8.143	7.744	9.992	9.527	8.271	8.295	10.018	5.174	8.31	9.371	7.738	
7/19/2013 6:50	8.811	2.279	8.649	1.632	7.966	4.104	9.012	3.375		8.143	7.744	9.984	9.554	8.271	8.295	10.013	5.071	8.316	9.371	7.726	
7/19/2013 7:00	8.815	2.029	8.653	1.356	7.964	3.938	9.012	3.178		8.143	7.742	9.977	9.546	8.258	8.299	10.003	4.962	8.308	9.369	7.725	
7/19/2013 7:10	8.823	1.793	8.655	1.127	7.971	3.809	9.020	3.009		8.150	7.744	9.992	9.561	8.271	8.295	10.018	4.858	8.31	9.377	7.732	
7/19/2013 7:20	8.823	1.585	8.661	0.931	7.966	3.681	9.012	2.862		8.150	7.744	9.992	9.594	8.271	8.301	10.024	4.759	8.316	9.371	7.732	
7/19/2013 7:30	8.821	1.393	8.655	0.761	7.966	3.582	9.021	2.712		8.145	7.744	9.986	9.575	8.265	8.295	10.013	4.629	8.304	9.373	7.726	
7/19/2013 7:40	8.821	1.223	8.655	0.621	7.966	3.465	9.014	2.599		8.150	7.738	9.999	9.575	8.265	8.295	10.013	4.54	8.304	9.373	7.736	
7/19/2013 7:50	8.821	1.079	8.655	0.512	7.966	3.383	9.014	2.487		8.145	7.738	9.986	9.575	8.265	8.289	10.013	4.424	8.31	9.373	7.732	
7/19/2013 8:00	8.811	0.951	8.655	0.403	7.960	3.287	9.000	2.372		8.145	7.732	9.980	9.569	8.259	8.289	10.007	4.322	8.304	9.365	7.726	
7/19/2013 8:10	8.815	0.834	8.655	0.327	7.960	3.199	9.008	2.287		8.139	7.732	9.986	9.563	8.259	8.289	10.007	4.217	8.299	9.365	7.736	
7/19/2013 8:20	8.811	0.739	8.649	0.256	7.966	3.136	9.016	2.211		8.139	7.726	9.986	9.563	8.259	8.284	10.015	4.118	8.299	9.371	7.73	
7/19/2013 8:30	8.811	0.662	8.664	0.200	7.971	3.086	9.014	2.144		8.150	7.726	9.992	9.575	8.259	8.284	10.02	4.024	8.304	9.359	7.73	
7/19/2013 8:40	8.817	0.587	8.664	0.152	7.960	3.011	9.014	2.077		8.150	7.726	9.999	9.575	8.259	8.289	10.013	3.936	8.304	9.365	7.736	
7/19/2013 8:50	8.805	0.530	8.655	0.105	7.966	2.950	9.016	2		8.147	7.715	9.988	9.577	8.259	8.284	10.007	3.846	8.299	9.354	7.726	
7/19/2013 9:00	8.811	0.486	8.655	0.070	7.960	2.891	9.008	1.945	9.427	8.145	7.721	9.988	9.563	8.253	8.284	10.015	3.763	8.304	9.359	7.73	
7/19/2013 9:10	8.805	0.457	8.653	0.051	7.954	2.845	9.000	1.895	9.421	8.139	7.715	9.988	9.563	8.253	8.284	10.007	3.675	8.299	9.365	7.726	
7/19/2013 9:20	8.811	0.444	8.664	0.041	7.966	2.801	9.014	1.851	9.427	8.152	7.715	9.994	9.575	8.253	8.289	10.018	3.599	8.31	9.365	7.726	
7/19/2013 9:30	8.805	0.444	8.659	0.057	7.954	2.759	9.008	1.811	9.421	8.145	7.715	9.980	9.569	8.248	8.278	10.015	3.522	8.299	9.359	7.721	
7/19/2013 9:40	8.805	0.465	8.647	0.095	7.960	2.715	9.008	1.786	9.413	8.139	7.709	9.988	9.563	8.248	8.278	10.007	3.453	8.299	9.359	7.721	
7/19/2013 9:50	8.805	0.499	8.653	0.145	7.954	2.684	9.008	1.773	9.413	8.139	7.709	9.980	9.556	8.248	8.278	10.015	3.388	8.299	9.365	7.715	
7/19/2013 10:00	8.811	0.545	8.653	0.223	7.954	2.678	9.014	1.761	9.411	8.145	7.701	9.986	9.569	8.25	8.284	10.013	3.341	8.297	9.365	7.726	
7/19/2013 10:10	8.811	0.622	8.659	0.332	7.954	2.669	9.014	1.775	9.419	8.145	7.701	9.986	9.561	8.25	8.272	10.013	3.287	8.304	9.371	7.721	
7/19/2013 10:20	8.811	0.697	8.653	0.447	7.948	2.684	9.006	1.809	9.411	8.137	7.701	9.986	9.561	8.25	8.266	10.005	3.235	8.304	9.359	7.721	
7/19/2013 10:30	8.811	0.806	8.653	0.568	7.948	2.690	9.006	1.845	9.411	8.145	7.690	9.978	9.556	8.244	8.266	10.005	3.187	8.299	9.354	7.724	
7/19/2013 10:40	8.809	0.900	8.651	0.708	7.947	2.707	9.012	1.894	9.410	8.135	7.688	9.984	9.56	8.248	8.259	10.011	3.157	8.297	9.358	7.719	
7/19/2013 10:50	8.800	1.030	8.647	0.862	7.943	2.747	9.000	1.954	9.398	8.139	7.684	9.973	9.556	8.232	8.261	10.001	3.122	8.293	9.359	7.715	
7/19/2013 11:00	8.805	1.188	8.653	1.056	7.937	2.795	9.006	2.035	9.404	8.137	7.684	9.986	9.556	8.244	8.266	10.013	3.094	8.287	9.354	7.715	
7/19/2013 11:10	8.805	1.326	8.653	1.224	7.937	2.845	9.006	2.123	9.404	8.137	7.684	9.986	9.556	8.232	8.266	9.999	3.071	8.299	9.359	7.715	
7/19/2013 11:20	8.805	1.497	8.653	1.414	7.931	2.895	9.006	2.217	9.398	8.137	7.679	9.986	9.556	8.238	8.261	10.005	3.065	8.293	9.354	7.703	
7/19/2013 11:30	8.805	1.680	8.659	1.626	7.943	2.967	9.006	2.322	9.404	8.135	7.684	9.992	9.567	8.238	8.266	10.011	3.065	8.299	9.365	7.721	
7/19/2013 11:40	8.811	1.864	8.661	1.831	7.943	3.036	9.004	2.433	9.402	8.141	7.684	9.990	9.573	8.238	8.266	10.011	3.063	8.299	9.359	7.726	
7/19/2013 11:50	8.809	2.052	8.665	2.042	7.941	3.121	9.008	2.548	9.406	8.145	7.683	9.994	9.571	8.242	8.27	10.007	3.075	8.303	9.363	7.725	
7/19/2013 12:00	8.800	2.239	8.655	2.252	7.931	3.203	9.004	2.661	9.402	8.133	7.673	9.990	9.567	8.229	8.255	10.011	3.082	8.299	9.359	7.715	
7/19/2013 12:10	8.796	2.438	8.649	2.462	7.925	3.283	9.004	2.787	9.386	8.125	7.661	9.982	9.559	8.223	8.251	9.997	3.105	8.293	9.354	7.709	
7/19/2013 12:20	8.802	2.635	8.649	2.673	7.931	3.369	9.002	2.911	9.386	8.133	7.661	9.980	9.559	8.223	8.251	10.001	3.134	8.299	9.354	7.705	
7/19/2013 12:30	8.796	2.840	8.649	2.870	7.920	3.461	9.002	3.03	9.386	8.125	7.661	9.975	9.552	8.217	8.245	10.001	3.164	8.291	9.354	7.7	
7/19/2013 12:40	8.800	3.036	8.647	3.083	7.935	3.557	8.999	3.16	9.396	8.135	7.665	9.984	9.562	8.221	8.255	10.005	3.209	8.301	9.363	7.709	
7/19/2013 12:50	8.796	3.221	8.655	3.282	7.931	3.639	9.000	3.283	9.390	8.129	7.667	9.986	9.571	8.223	8.257	9.992	3.247	8.291	9.359	7.709	
7/19/2013 13:00	8.790	3.412	8.643	3.463	7.920	3.725	8.993	3.409	9.383	8.122	7.661	9.999	9.558	8.213	8.251	9.999	3.287	8.285	9.348	7.705	
7/19/2013 13:10	8.790	3.596	8.649	3.645	7.920	3.813	8.993	3.522	9.375	8.122	7.656	9.971	9.496	8.213	8.245	9.992	3.346	8.285	9.352	7.7	
7/19/2013 13:20	8.788	3.772	8.653	3.814	7.912	3.909	8.997	3.643	9.379	8.126	7.660	9.982	9.508	8.212	8.244	9.996	3.385	8.278	9.346	7.698	
7/19/2013 13:30	8.796	3.944	8.643	3.993	7.920	4.016	8.997	3.761	9.386	8.133	7.656	9.982	9.529	8.208	8.245	9.997	3.429	8.285	9.354	7.705	
7/19/2013 13:40	8.792	4.122	8.649	4.150	7.914	4.089	8.997	3.876	9.381	8.120	7.656	9.975	9.529	8.202	8.24	9.997	3.492	8.274	9.346	7.694	
7/19/2013 13:50	8.790	4.276	8.647	4.292	7.912	4.162	9.001	3.985	9.383	8.124	7.654	9.979	9.533	8.212	8.244	9.994	3.561	8.284	9.344	7.692	
7/19/2013 14:00	8.786	4.421	8.643	4.428	7.908	4.238	8.995	4.092	9.379	8.118	7.656	9.980	9.527	8.208	8.245	9.995	3.622	8.274	9.346	7.688	
7/19/2013 14:10	8.798	4.584	8.661	4.587	7.920	4.336	9.012	4.209	9.396	8.127	7.673	9.990	9.558	8.215	8.257	9.999	3.704	8.297	9.357	7.705	
7/19/2013 14:20	8.798	4.719	8.661	4.725	7.914	4.408	9.012	4.305	9.388	8.127	7.661	9.990	9.552	8.209	8.251	10.005	3.763	8.285	9.352	7.696	
7/19/2013 14:30	8.794	4.844	8.651	4.830	7.910	4.479	9.006	4.391	9.382	8.121	7.663	9.986	9.546	8.211	8.247	9.993	3.834	8.281	9.359	7.697	
7/19/2013 14:40	8.792	4.970	8.647	4.941	7.907	4.556	9.003	4.477	9.385	8.116	7.665	9.988	9.575	8.208	8.249	10.003	3.902	8.284	9.356	7.694	
7/19/2013 14:50	8.792	5.079	8.647	5.035	7.912	4.623	9.003	4.563	9.385	8.124	7.660	9.981	9.562	8.202	8.249	9.99	3.961	8.284	9.35	7.688	
7/19/2013 15:00	8.792	5.194	8.653	5.132	7.907	4.684	9.008	4.653	9.391	8.122	7.665	9.979	9.562	8.204	8.249	10.009	4.083	8.289	9.35	7.688	
7/19/2013 15:10	8.800	5.292	8.643	5.234	7.914	4.747	9.002	4.731	9.386	8.124	7.661	9.980	9.556	8.2	8.245	9.997	4.104	8.285	9.357	7.69	
7/19/2013 15:20	8.788	5.380	8.643	5.310	7.908	4.810	8.995	4.795	9.379	8.118	7.656	9.973	9.542	8.194	8.24	9.995	4.169	8.279	9.346	7.684	
7/19/2013 15:30	8.794	5.468	8.649	5.377	7.914	4.877	9.006	4.879	9.383	8.122	7.673	9.984	9.554	8.206	8.251	10.007	4.232	8.285	9.363	7.696	
7/19/2013 15:40	8.788	5.537	8.638	5.436	7.902	4.927	9.000	4.936	9.371	8.116	7.667	9.973	9.548	8.194	8.245	9.995	4.292	8.274	9.357	7.69	
7/19/2013 15:50	8.794	5.611	8.643	5.515	7.908	4.988	8.999	5.003	9.377	8.114	7.667	9.978	9.548	8.194	8.245	10.001	4.351	8.279	9.355	7.69	
7/19/2013 16:00	8.779	5.680	8.638	5.565	7.908	5.030	8.993	5.061	9.377	8.122	7.661	9.971	9.54	8.194	8.24	10.001	4.428	8.274	9.355	7.684	
7/19/2013 16:10	8.783	5.732	8.642	5.611	7.907	5.078	8.997	5.114	9.373	8.118	7.660	9.975	9.544	8.194	8.238	9.998	4.478	8.266	9.354	7.685	
7/19/2013 16:20	8.783	5.772	8.636	5.638	7.901	5.115	8.997	5.157	9.366	8.110	7.660	9.967	9.539	8.194	8.238	9.998	4.543	8.266	9.348	7.688	
7/19/2013 16:30	8.778	5.808	8.637	5.667	7.902	5.160	8.990	5.2	9.366	8.119	7.660	9.960	9.539	8.189	8.239	9.991	4.586	8.267	9.343	7.68	7.606
7/19/2013 16:40	8.783	5.839	8.636	5.701	7.901	5.195	9.003	5.247	9.371	8.116	7.660	9.973	9.537	8.189	8.232	9.996	4.642	8.266	9.348	7.685	7.558
7/19/2013 16:50	8.778	5.861	8.631	5.707	7.896	5.227	8.996	5.278	9.365	8.109	7.660	9.960	9.538	8.189	8.233	9.991	4.691	8.267	9.343	7.685	7.482
7/19/2013 17:00	8.779	5.893	8.636	5.735	7.907	5.268	8.999	5.314	9.369	8.120	7.671	9.971	9.535	8.194	8.24	10.001	4.753	8.272	9.348	7.69	7.409
7/19/2013 17:10	8.779	5.912	8.630	5.733	7.895	5.287	8.991	5.336	9.362	8.114	7.660	9.971	9.535	8.189	8.234	10.001	4.79	8.261	9.348	7.679	7.322
7/19/2013 17:20	8.780	5.926	8.637	5.751	7.902	5.319	8.998	5.364	9.368	8.121	7.666	9.970	9.541	8.195	8.235	10.008	4.855	8.273	9.349	7.674	7.247
7/19/2013 17:30	8.779	5.931	8.636	5.751	7.895	5.337	8.991	5.382	9.360	8.105	7.665	9.961	9.541	8.194	8.24	9.994	4.878	8.27	9.348	7.673	7.127

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/19/2013 17:40	8.778	5.928	8.631	5.740	7.894	5.359	8.996	5.395	9.365	8.110	7.665	9.959	9.54	8.19	8.239	10.004	4.917	8.271	9.347	7.678	7.013
7/19/2013 17:50	8.774	5.913	8.622	5.728	7.890	5.374	8.992	5.406	9.361	8.106	7.655	9.962	9.536	8.186	8.235	9.987	4.949	8.261	9.343	7.664	6.939
7/19/2013 18:00	8.774	5.922	8.633	5.713	7.896	5.397	8.996	5.416	9.365	8.109	7.672	9.966	9.539	8.197	8.246	9.998	4.995	8.271	9.355	7.68	6.812
7/19/2013 18:10	8.768	5.890	8.627	5.686	7.890	5.391	8.982	5.42	9.353	8.104	7.660	9.955	9.528	8.18	8.241	9.993	5.014	8.256	9.349	7.674	6.665
7/19/2013 18:20	8.774	5.863	8.622	5.663	7.896	5.405	8.988	5.416	9.359	8.102	7.666	9.960	9.534	8.191	8.246	9.998	5.049	8.271	9.343	7.685	6.506
7/19/2013 18:30	8.774	5.834	8.622	5.631	7.896	5.405	8.980	5.416	9.365	8.109	7.666	9.958	9.526	8.186	8.246	9.991	5.072	8.265	9.355	7.676	6.349
7/19/2013 18:40	8.776	5.806	8.627	5.598	7.902	5.416	8.994	5.422	9.357	8.115	7.678	9.964	9.532	8.191	8.252	9.997	5.102	8.271	9.355	7.685	6.223
7/19/2013 18:50	8.774	5.771	8.626	5.564	7.900	5.415	8.992	5.406	9.355	8.106	7.676	9.957	9.538	8.19	8.245	10.003	5.124	8.275	9.347	7.684	6.081
7/19/2013 19:00	8.776	5.731	8.622	5.522	7.902	5.410	8.994	5.391	9.357	8.107	7.678	9.964	9.532	8.186	8.246	10.004	5.148	8.271	9.355	7.68	5.917
7/19/2013 19:10	8.770	5.677	8.616	5.462	7.896	5.397	8.980	5.372	9.357	8.102	7.666	9.945	9.52	8.18	8.241	9.991	5.15	8.26	9.343	7.68	5.714
7/19/2013 19:20	8.768	5.647	8.614	5.432	7.889	5.390	8.979	5.355	9.357	8.100	7.670	9.951	9.524	8.178	8.245	9.989	5.166	8.258	9.342	7.674	5.599
7/19/2013 19:30	8.774	5.609	8.627	5.394	7.902	5.386	8.980	5.333	9.351	8.102	7.672	9.953	9.526	8.18	8.246	9.998	5.179	8.26	9.349	7.676	5.452
7/19/2013 19:40	8.774	5.561	8.616	5.355	7.896	5.374	8.988	5.32	9.359	8.109	7.672	9.953	9.52	8.186	8.246	9.991	5.185	8.254	9.343	7.676	5.339
7/19/2013 19:50	8.770	5.513	8.622	5.302	7.896	5.361	8.980	5.309	9.359	8.102	7.666	9.953	9.526	8.18	8.241	9.998	5.19	8.26	9.349	7.68	5.174
7/19/2013 20:00	8.780	5.490	8.631	5.279	7.906	5.370	8.990	5.288	9.369	8.119	7.682	9.962	9.53	8.184	8.251	10.001	5.2	8.269	9.353	7.686	5.107
7/19/2013 20:10	8.770	5.446	8.622	5.237	7.902	5.349	8.980	5.266	9.351	8.102	7.672	9.953	9.52	8.174	8.241	9.998	5.204	8.26	9.343	7.67	5.013
7/19/2013 20:20	8.776	5.417	8.627	5.208	7.902	5.342	8.986	5.257	9.357	8.107	7.678	9.958	9.526	8.186	8.252	10.004	5.215	8.265	9.349	7.67	4.929
7/19/2013 20:30	8.780	5.393	8.637	5.185	7.906	5.334	8.998	5.248	9.369	8.119	7.682	9.968	9.53	8.184	8.256	10.008	5.214	8.269	9.353	7.686	4.836
7/19/2013 20:40	8.778	5.354	8.626	5.158	7.894	5.315	8.979	5.221	9.357	8.108	7.670	9.957	9.519	8.178	8.245	9.989	5.202	8.258	9.342	7.674	4.792
7/19/2013 20:50	8.768	5.327	8.626	5.130	7.900	5.309	8.986	5.206	9.357	8.100	7.670	9.957	9.519	8.178	8.245	9.997	5.196	8.271	9.347	7.674	4.744
7/19/2013 21:00	8.774	5.308	8.627	5.122	7.902	5.311	8.980	5.194	9.366	8.102	7.678	9.958	9.526	8.18	8.246	9.998	5.204	8.265	9.343	7.67	4.742
7/19/2013 21:10	8.774	5.295	8.622	5.120	7.907	5.299	8.988	5.186	9.351	8.102	7.678	9.966	9.534	8.186	8.246	9.998	5.198	8.273	9.349	7.676	4.73
7/19/2013 21:20	8.774	5.302	8.639	5.126	7.907	5.305	8.988	5.188	9.359	8.109	7.678	9.966	9.534	8.186	8.246	9.998	5.204	8.273	9.343	7.68	4.759
7/19/2013 21:30	8.768	5.310	8.627	5.126	7.896	5.294	8.984	5.184	9.347	8.098	7.672	9.955	9.522	8.18	8.235	9.987	5.187	8.261	9.343	7.68	4.816
7/19/2013 21:40	8.767	5.311	8.626	5.140	7.895	5.299	8.978	5.183	9.346	8.099	7.671	9.948	9.521	8.179	8.24	9.988	5.186	8.261	9.342	7.667	4.911
7/19/2013 21:50	8.774	5.333	8.622	5.164	7.902	5.307	8.986	5.19	9.355	8.100	7.672	9.956	9.522	8.18	8.239	9.995	5.181	8.267	9.343	7.674	4.986
7/19/2013 22:00	8.768	5.352	8.622	5.193	7.902	5.319	8.979	5.205	9.347	8.100	7.672	9.949	9.522	8.184	8.239	9.995	5.192	8.267	9.337	7.674	5.078
7/19/2013 22:10	8.780	5.400	8.639	5.248	7.907	5.330	8.984	5.232	9.361	8.113	7.678	9.955	9.528	8.189	8.241	10	5.192	8.273	9.343	7.674	5.245
7/19/2013 22:20	8.768	5.434	8.627	5.290	7.907	5.343	8.979	5.249	9.355	8.107	7.672	9.949	9.53	8.184	8.241	10.002	5.204	8.267	9.337	7.668	5.385
7/19/2013 22:30	8.773	5.481	8.632	5.343	7.907	5.367	8.983	5.279	9.352	8.105	7.677	9.961	9.535	8.189	8.24	10	5.214	8.266	9.337	7.673	5.541
7/19/2013 22:40	8.780	5.536	8.633	5.394	7.907	5.393	8.984	5.318	9.353	8.113	7.678	9.962	9.536	8.201	8.246	10	5.215	8.267	9.349	7.674	5.687
7/19/2013 22:50	8.774	5.603	8.627	5.455	7.913	5.418	8.984	5.343	9.353	8.106	7.678	9.970	9.536	8.195	8.241	10.008	5.221	8.267	9.349	7.68	5.869
7/19/2013 23:00	8.773	5.659	8.632	5.527	7.912	5.448	8.983	5.384	9.352	8.112	7.683	9.969	9.541	8.194	8.238	10	5.239	8.266	9.348	7.673	6.05
7/19/2013 23:10	8.768	5.721	8.622	5.591	7.902	5.468	8.979	5.423	9.347	8.107	7.678	9.956	9.536	8.195	8.235	10.002	5.246	8.261	9.349	7.668	6.225
7/19/2013 23:20	8.774	5.796	8.627	5.665	7.907	5.504	8.992	5.475	9.353	8.113	7.683	9.962	9.541	8.195	8.241	10.008	5.269	8.273	9.349	7.67	6.435
7/19/2013 23:30	8.770	5.867	8.623	5.732	7.903	5.536	8.988	5.513	9.349	8.101	7.674	9.958	9.537	8.197	8.231	9.996	5.284	8.269	9.351	7.666	6.607
7/19/2013 23:40	8.780	5.953	8.633	5.822	7.913	5.585	8.990	5.573	9.359	8.111	7.683	9.968	9.547	8.207	8.244	10.006	5.311	8.273	9.355	7.676	6.814
7/19/2013 23:50	8.774	6.022	8.627	5.889	7.907	5.615	8.984	5.617	9.353	8.113	7.678	9.955	9.541	8.195	8.235	10	5.336	8.261	9.349	7.67	6.988
7/20/2013 0:00	8.776	6.098	8.635	5.973	7.909	5.653	8.986	5.668	9.349	8.115	7.685	9.964	9.543	8.197	8.24	9.996	5.355	8.275	9.351	7.672	7.174
7/20/2013 0:10	8.780	6.198	8.639	6.063	7.913	5.701	8.982	5.728	9.359	8.119	7.695	9.960	9.547	8.207	8.241	10.006	5.382	8.279	9.355	7.676	7.392
7/20/2013 0:20	8.780	6.275	8.639	6.136	7.919	5.738	8.990	5.777	9.359	8.127	7.695	9.968	9.555	8.212	8.241	10.006	5.418	8.279	9.349	7.68	7.582
7/20/2013 0:30	8.767	6.343	8.632	6.212	7.907	5.769	8.978	5.821	9.354	8.114	7.688	9.963	9.542	8.2	8.232	9.988	5.436	8.272	9.342	7.673	7.759
7/20/2013 0:40	8.779	6.431	8.638	6.306	7.918	5.817	8.991	5.89	9.360	8.120	7.694	9.969	9.548	8.206	8.234	10.007	5.465	8.278	9.354	7.673	7.946
7/20/2013 0:50	8.768	6.502	8.633	6.377	7.907	5.851	8.980	5.927	9.342	8.109	7.689	9.966	9.543	8.201	8.227	9.989	5.491	8.267	9.349	7.668	8.089
7/20/2013 1:00	8.783	6.589	8.632	6.459	7.912	5.905	8.985	5.995	9.354	8.107	7.694	9.963	9.548	8.206	8.234	10.001	5.532	8.272	9.354	7.679	8.268
7/20/2013 1:10	8.779	6.661	8.629	6.532	7.909	5.944	8.982	6.043	9.351	8.109	7.691	9.968	9.545	8.208	8.235	9.991	5.563	8.269	9.339	7.681	8.412
7/20/2013 1:20	8.785	6.752	8.644	6.612	7.918	5.997	8.991	6.102	9.360	8.118	7.700	9.969	9.554	8.217	8.244	10.013	5.614	8.284	9.36	7.679	8.587
7/20/2013 1:30	8.788	6.829	8.638	6.667	7.918	6.041	8.983	6.152	9.352	8.112	7.700	9.977	9.554	8.217	8.249	10.007	5.662	8.272	9.354	7.679	8.687
7/20/2013 1:40	8.776	6.887	8.640	6.729	7.915	6.074	8.988	6.202	9.357	8.109	7.702	9.966	9.551	8.218	8.246	10.004	5.678	8.269	9.345	7.675	8.781
7/20/2013 1:50	8.791	6.965	8.644	6.800	7.925	6.120	8.990	6.256	9.366	8.127	7.712	9.968	9.561	8.224	8.256	10	5.722	8.279	9.36	7.68	8.875
7/20/2013 2:00	8.785	7.019	8.650	6.856	7.930	6.164	9.003	6.304	9.372	8.125	7.718	9.981	9.566	8.233	8.258	10.006	5.765	8.279	9.366	7.691	8.937
7/20/2013 2:10	8.785	7.061	8.639	6.888	7.913	6.189	8.992	6.334	9.353	8.113	7.701	9.962	9.555	8.222	8.244	10	5.795	8.267	9.36	7.68	8.946
7/20/2013 2:20	8.787	7.103	8.652	6.922	7.921	6.222	8.992	6.384	9.355	8.121	7.714	9.977	9.556	8.235	8.248	10.008	5.85	8.275	9.356	7.681	8.959
7/20/2013 2:30	8.785	7.128	8.656	6.949	7.930	6.256	9.003	6.417	9.365	8.125	7.724	9.981	9.566	8.245	8.262	10.006	5.885	8.273	9.366	7.685	8.929
7/20/2013 2:40	8.778	7.148	8.649	6.946	7.929	6.280	8.996	6.436	9.365	8.117	7.722	9.966	9.559	8.243	8.26	10.004	5.918	8.271	9.364	7.689	8.853
7/20/2013 2:50	8.778	7.155	8.649	6.946	7.923	6.299	8.996	6.45	9.357	8.125	7.716	9.974	9.559	8.243	8.262	9.999	5.949	8.271	9.364	7.684	8.747
7/20/2013 3:00	8.791	7.149	8.650	6.932	7.930	6.319	8.998	6.47	9.366	8.125	7.724	9.983	9.561	8.251	8.273	10.006	5.992	8.279	9.366	7.697	8.623
7/20/2013 3:10	8.785	7.122	8.639	6.909	7.925	6.319	8.992	6.472	9.361	8.127	7.724	9.970	9.555	8.249	8.267	10.008	6.009	8.273	9.355	7.697	8.456
7/20/2013 3:20	8.789	7.113	8.643	6.881	7.923	6.335	8.996	6.476	9.357	8.125	7.728	9.974	9.559	8.253	8.266	10.012	6.044	8.271	9.364	7.695	8.286
7/20/2013 3:30	8.785	7.060	8.638	6.828	7.924	6.336	8.991	6.464	9.352	8.120	7.729	9.977	9.562	8.248	8.267	10	6.062	8.272	9.36	7.696	8.065
7/20/2013 3:40	8.785	7.013	8.644	6.779	7.930	6.337	8.990	6.457	9.359	8.132	7.735	9.976	9.568	8.26	8.273	10	6.094	8.273	9.36	7.703	7.846
7/20/2013 3:50	8.789	6.956	8.643	6.711	7.929	6.324	8.996	6.436	9.357	8.125	7.728	9.974	9.567	8.264	8.283	10.004	6.115	8.277	9.364	7.701	7.567
7/20/2013 4:00	8.791	6.883	8.650	6.626	7.930	6.312	8.990	6.401	9.353	8.132	7.735	9.976	9.568	8.266	8.285	10	6.124	8.279	9.366	7.712	7.268
7/20/2013 4:10	8.795	6.801	8.644	6.538	7.925	6.281	8.992	6.363	9.347	8.127	7.735	9.978	9.562	8.266	8.279	10.008	6.136	8.273	9.36	7.703	6.96
7/20/2013 4:20	8.791	6.701	8.640	6.429	7.926	6.260	8.988	6.317	9.351	8.122	7.731	9.973	9.564	8.262	8.275	9.996	6.132	8.269	9.356	7.698	6.64
7/20/2013 4:30	8.791	6.592	8.644	6.327	7.932	6.229	8.988	6.259	9.349	8.130	7.731	9.973	9.558	8.268	8.281	10.004	6.143	8.269	9.351	7.704	6.297
7/20/2013 4:40	8.789	6.481	8.643	6.201	7.936	6.189	8.992	6.202	9.355	8.128	7.735	9.978	9.562	8.266	8.285	10.008	6.136	8.273	9.355	7.708	5.924
7/20/2013 4:50	8.783	6.353	8.643	6.065	7.936	6.141	8.986	6.132	9.342	8.123	7.735	9.972	9.564	8.264	8.279	9.997	6.13	8.279	9.355	7.706	5.532
7/20/2013 5:00	8.789	6.209	8.643	5.926	7.930	6.097	8.986	6.057	9.349	8.130	7.735	9.966	9.564	8.264	8.279	9.989	6.119	8.273	9.355	7.712	5.103
7/20/2013 5:10	8.801	6.056	8.654	5.761	7.942	6.042	8.998	5.982	9.361	8.134	7.747	9.983	9.576	8.276	8.29	10.008	6.111	8.29	9.372	7.718	4.652
7/20/2013 5:20	8.795	5.873	8.648	5.572	7.942	5.973	8.992	5.879	9.355	8.128	7.741	9.978	9.57	8.276	8.29	10.002	6.088	8.284	9.357	7.712	4.185
7/20/2013 5:30	8.789	5.681	8.643	5.355	7.942	5.900	8.992	5.774	9.355	8.136	7.741	9.972	9.57	8.276	8.296	10.002	6.057	8.279	9.366	7.718	3.675
7/20/2013 5:40	8.789	5.471	8.643	5.131	7.936	5.807	8.986	5.64	9.349	8.130	7.741	9.972	9.564	8.276	8.296	9.997	6.023	8.279	9.355	7.712	3.186
7/20/2013 5:50	8.795	5.237	8.648	4.879	7.942	5.709	8.994	5.5	9.349	8.130	7.741	9.972	9.57	8.276	8.296	9.997	5.981	8.284	9.355	7.712	2.655

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/20/2013 6:00	8.789	4.998	8.643	4.624	7.936	5.598	8.994	5.349	9.349	8.123	7.741	9.972	9.564	8.27	8.296	9.997	5.933	8.279	9.362	7.724	2.154
7/20/2013 6:10	8.783	4.740	8.643	4.333	7.936	5.474	8.988	5.173	9.351	8.125	7.735	9.974	9.564	8.264	8.296	9.998	5.879	8.279	9.355	7.718	1.607
7/20/2013 6:20	8.789	4.479	8.643	4.040	7.942	5.357	8.996	5.006	9.343	8.117	7.735	9.974	9.572	8.27	8.296	10.004	5.82	8.279	9.349	7.712	1.098
7/20/2013 6:30	8.783	4.200	8.643	3.727	7.936	5.215	8.982	4.811	9.338	8.127	7.729	9.968	9.566	8.264	8.29	9.991	5.749	8.273	9.355	7.712	0.56
7/20/2013 6:40	8.783	3.921	8.643	3.411	7.936	5.068	8.982	4.62	9.345	8.127	7.737	9.976	9.559	8.264	8.29	9.993	5.676	8.279	9.351	7.712	0.041
7/20/2013 6:50	8.789	3.626	8.643	3.087	7.936	4.913	8.982	4.409	9.345	8.134	7.737	9.976	9.566	8.264	8.29	9.991	5.587	8.279	9.349	7.718	-0.468
7/20/2013 7:00	8.789	3.331	8.648	2.747	7.942	4.758	8.990	4.191	9.353	8.140	7.737	9.983	9.566	8.27	8.296	9.993	5.51	8.284	9.355	7.724	-0.966
7/20/2013 7:10	8.795	3.033	8.654	2.414	7.948	4.591	9.003	3.975	9.359	8.138	7.747	9.989	9.578	8.27	8.302	10.004	5.426	8.296	9.36	7.733	-1.448
7/20/2013 7:20	8.789	2.730	8.648	2.073	7.942	4.411	8.998	3.745	9.353	8.132	7.729	9.983	9.566	8.27	8.29	9.998	5.324	8.284	9.351	7.724	-1.922
7/20/2013 7:30	8.793	2.449	8.648	1.761	7.942	4.245	8.990	3.521	9.359	8.132	7.741	9.983	9.572	8.264	8.302	9.998	5.223	8.284	9.355	7.727	-2.342
7/20/2013 7:40	8.788	2.151	8.643	1.442	7.943	4.068	8.985	3.298	9.340	8.127	7.730	9.978	9.561	8.265	8.286	10.001	5.111	8.285	9.35	7.719	-2.789
7/20/2013 7:50	8.788	1.877	8.638	1.163	7.943	3.913	8.993	3.103	9.348	8.135	7.730	9.978	9.561	8.265	8.297	10.001	4.998	8.285	9.346	7.723	-3.192
7/20/2013 8:00	8.788	1.621	8.643	0.928	7.943	3.771	8.987	2.921	9.342	8.137	7.724	9.978	9.561	8.259	8.291	9.988	4.879	8.291	9.34	7.719	-3.487
7/20/2013 8:10	8.782	1.403	8.643	0.744	7.937	3.649	8.987	2.768	9.348	8.137	7.730	9.978	9.561	8.265	8.297	9.995	4.768	8.291	9.35	7.719	-3.834
7/20/2013 8:20	8.788	1.213	8.649	0.604	7.948	3.561	8.993	2.647	9.354	8.143	7.724	9.984	9.575	8.265	8.303	10.001	4.663	8.285	9.355	7.724	-4.151
7/20/2013 8:30	8.788	1.043	8.638	0.478	7.943	3.444	8.993	2.523	9.356	8.137	7.719	9.978	9.569	8.253	8.291	9.995	4.539	8.279	9.346	7.719	-4.421
7/20/2013 8:40	8.788	0.899	8.649	0.372	7.948	3.350	8.999	2.416	9.354	8.135	7.724	9.992	9.567	8.265	8.303	10.001	4.433	8.285	9.352	7.728	-4.612
7/20/2013 8:50	8.779	0.756	8.638	0.263	7.937	3.266	8.993	2.312	9.348	8.129	7.719	9.978	9.561	8.259	8.297	9.995	4.32	8.285	9.35	7.723	-4.779
7/20/2013 9:00	8.788	0.639	8.649	0.191	7.943	3.191	8.999	2.226	9.354	8.143	7.724	9.984	9.575	8.265	8.303	10.001	4.221	8.291	9.35	7.724	-4.919
7/20/2013 9:10	8.782	0.530	8.643	0.101	7.943	3.111	8.993	2.136	9.348	8.137	7.719	9.978	9.569	8.259	8.291	9.995	4.11	8.285	9.35	7.728	-4.976
7/20/2013 9:20	8.777	0.436	8.643	0.038	7.937	3.036	8.987	2.052	9.350	8.131	7.713	9.980	9.563	8.253	8.286	9.99	4.003	8.285	9.344	7.717	-5.062
7/20/2013 9:30	8.782	0.354	8.649	-0.024	7.937	2.969	8.987	1.983	9.350	8.131	7.713	9.980	9.563	8.253	8.28	10.003	3.909	8.285	9.344	7.723	-5.005
7/20/2013 9:40	8.777	0.283	8.643	-0.075	7.937	2.908	8.987	1.92	9.350	8.139	7.707	9.980	9.563	8.253	8.286	9.997	3.815	8.279	9.344	7.713	-4.988
7/20/2013 9:50	8.782	0.222	8.649	-0.116	7.943	2.845	8.987	1.849	9.350	8.131	7.707	9.980	9.563	8.253	8.286	9.995	3.727	8.285	9.34	7.713	-4.915
7/20/2013 10:00	8.782	0.189	8.649	-0.148	7.948	2.795	8.993	1.799	9.348	8.129	7.707	9.986	9.569	8.253	8.286	9.995	3.645	8.291	9.346	7.719	-4.8
7/20/2013 10:10	8.782	0.155	8.643	-0.171	7.943	2.753	8.993	1.75	9.348	8.137	7.701	9.986	9.556	8.248	8.286	10.001	3.557	8.285	9.344	7.713	-4.589
7/20/2013 10:20	8.784	0.147	8.649	-0.177	7.948	2.703	8.993	1.706	9.354	8.143	7.701	9.986	9.561	8.253	8.286	10.001	3.486	8.279	9.35	7.719	-4.394
7/20/2013 10:30	8.784	0.140	8.655	-0.175	7.937	2.659	8.993	1.673	9.354	8.143	7.696	9.986	9.561	8.253	8.286	10.001	3.415	8.279	9.344	7.719	-4.144
7/20/2013 10:40	8.784	0.161	8.655	-0.169	7.943	2.615	8.993	1.637	9.354	8.135	7.696	9.978	9.561	8.248	8.286	9.994	3.339	8.279	9.344	7.719	-3.843
7/20/2013 10:50	8.784	0.186	8.643	-0.138	7.937	2.585	8.993	1.6	9.348	8.135	7.696	9.986	9.561	8.248	8.286	10.001	3.279	8.279	9.338	7.713	-3.568
7/20/2013 11:00	8.784	0.243	8.643	-0.081	7.931	2.560	8.985	1.587	9.348	8.135	7.696	9.986	9.561	8.244	8.274	9.994	3.208	8.274	9.333	7.719	-3.233
7/20/2013 11:10	8.779	0.311	8.650	0.012	7.932	2.536	8.986	1.59	9.341	8.136	7.685	9.987	9.562	8.245	8.275	9.987	3.158	8.275	9.345	7.72	-2.885
7/20/2013 11:20	8.778	0.418	8.644	0.138	7.930	2.534	8.990	1.607	9.345	8.132	7.683	9.983	9.559	8.243	8.285	9.998	3.108	8.273	9.343	7.718	-2.518
7/20/2013 11:30	8.783	0.541	8.650	0.312	7.930	2.553	8.988	1.663	9.351	8.138	7.683	9.989	9.572	8.249	8.273	10.004	3.072	8.284	9.349	7.724	-2.141
7/20/2013 11:40	8.783	0.657	8.648	0.465	7.930	2.578	8.982	1.713	9.345	8.132	7.678	9.983	9.559	8.243	8.279	9.991	3.026	8.273	9.343	7.718	-1.777
7/20/2013 11:50	8.788	0.815	8.653	0.654	7.930	2.619	8.987	1.794	9.343	8.137	7.683	9.988	9.564	8.242	8.284	9.998	2.996	8.284	9.337	7.723	-1.351
7/20/2013 12:00	8.783	0.971	8.644	0.841	7.919	2.664	8.982	1.862	9.338	8.132	7.672	9.983	9.566	8.237	8.273	9.998	2.974	8.279	9.332	7.712	-0.916
7/20/2013 12:10	8.789	1.155	8.650	1.070	7.930	2.725	8.988	1.971	9.343	8.138	7.678	9.981	9.559	8.237	8.279	9.991	2.955	8.284	9.337	7.718	-0.449
7/20/2013 12:20	8.783	1.354	8.650	1.296	7.925	2.800	8.988	2.078	9.351	8.132	7.678	9.981	9.564	8.237	8.273	9.991	2.944	8.284	9.343	7.712	0.047
7/20/2013 12:30	8.778	1.547	8.643	1.520	7.925	2.869	8.982	2.197	9.338	8.119	7.666	9.976	9.553	8.226	8.267	9.991	2.932	8.273	9.332	7.706	0.525
7/20/2013 12:40	8.788	1.784	8.649	1.774	7.930	2.958	8.985	2.332	9.348	8.130	7.671	9.979	9.569	8.237	8.272	9.988	2.943	8.278	9.342	7.723	1.095
7/20/2013 12:50	8.777	2.008	8.644	2.026	7.924	3.052	8.980	2.47	9.341	8.122	7.671	9.986	9.556	8.233	8.267	9.982	2.954	8.266	9.331	7.711	1.6
7/20/2013 13:00	8.772	2.219	8.639	2.261	7.919	3.133	8.975	2.599	9.336	8.117	7.655	9.974	9.551	8.228	8.262	9.983	2.972	8.267	9.326	7.701	2.054
7/20/2013 13:10	8.783	2.453	8.644	2.513	7.925	3.236	8.979	2.75	9.342	8.128	7.666	9.985	9.557	8.228	8.267	9.989	3.001	8.273	9.332	7.712	2.598
7/20/2013 13:20	8.785	2.684	8.650	2.754	7.925	3.347	8.984	2.899	9.340	8.127	7.666	9.991	9.568	8.228	8.267	9.993	3.043	8.273	9.332	7.712	3.073
7/20/2013 13:30	8.784	2.906	8.649	2.982	7.923	3.457	8.981	3.043	9.344	8.131	7.665	9.995	9.567	8.232	8.266	9.991	3.082	8.277	9.342	7.707	3.505
7/20/2013 13:40	8.776	3.136	8.658	3.215	7.921	3.559	8.984	3.188	9.347	8.126	7.662	9.991	9.57	8.226	8.269	9.994	3.127	8.275	9.339	7.704	4.027
7/20/2013 13:50	8.789	3.354	8.660	3.432	7.923	3.667	8.992	3.336	9.348	8.129	7.665	9.993	9.578	8.234	8.266	9.995	3.181	8.271	9.34	7.712	4.441
7/20/2013 14:00	8.774	3.559	8.639	3.637	7.913	3.755	8.982	3.458	9.338	8.119	7.655	9.983	9.561	8.212	8.256	9.985	3.225	8.26	9.33	7.703	4.906
7/20/2013 14:10	8.780	3.769	8.644	3.845	7.919	3.866	8.980	3.611	9.349	8.123	7.660	9.995	9.566	8.224	8.264	9.997	3.301	8.279	9.341	7.714	5.295
7/20/2013 14:20	8.780	3.955	8.639	4.033	7.913	3.958	8.980	3.735	9.343	8.117	7.655	9.989	9.561	8.218	8.252	9.977	3.349	8.273	9.336	7.703	5.643
7/20/2013 14:30	8.764	4.152	8.633	4.209	7.907	4.046	8.975	3.862	9.336	8.117	7.647	9.981	9.553	8.207	8.25	9.991	3.401	8.267	9.324	7.697	6.016
7/20/2013 14:40	8.774	4.340	8.649	4.389	7.911	4.153	8.985	3.992	9.346	8.127	7.651	9.991	9.563	8.217	8.26	9.987	3.487	8.269	9.336	7.707	6.351
7/20/2013 14:50	8.776	4.506	8.650	4.550	7.913	4.241	8.986	4.114	9.347	8.121	7.653	9.993	9.564	8.212	8.262	9.989	3.554	8.265	9.33	7.697	6.621
7/20/2013 15:00	8.782	4.676	8.639	4.697	7.913	4.335	8.977	4.231	9.340	8.127	7.653	9.991	9.564	8.214	8.258	9.981	3.636	8.271	9.336	7.703	6.918
7/20/2013 15:10	8.776	4.826	8.644	4.840	7.913	4.421	8.992	4.334	9.340	8.119	7.653	9.983	9.564	8.209	8.252	9.981	3.701	8.271	9.33	7.693	7.13
7/20/2013 15:20	8.764	4.964	8.639	4.967	7.902	4.501	8.977	4.436	9.332	8.113	7.649	9.983	9.551	8.203	8.252	9.987	3.772	8.265	9.33	7.693	7.339
7/20/2013 15:30	8.770	5.099	8.644	5.082	7.907	4.582	8.975	4.537	9.338	8.119	7.647	9.981	9.557	8.203	8.252	9.987	3.849	8.26	9.33	7.693	7.484
7/20/2013 15:40	8.776	5.239	8.643	5.208	7.911	4.664	8.985	4.647	9.348	8.121	7.657	9.991	9.559	8.213	8.251	9.989	3.935	8.275	9.334	7.697	7.704
7/20/2013 15:50	8.765	5.362	8.643	5.312	7.906	4.739	8.985	4.731	9.340	8.121	7.653	9.985	9.559	8.203	8.251	9.989	3.998	8.264	9.334	7.691	7.817
7/20/2013 16:00	8.778	5.476	8.650	5.418	7.913	4.813	8.992	4.83	9.347	8.127	7.664	9.999	9.566	8.216	8.264	9.995	4.082	8.277	9.353	7.704	7.936
7/20/2013 16:10	8.762	5.564	8.635	5.499	7.892	4.872	8.974	4.899	9.343	8.109	7.643	9.989	9.549	8.201	8.248	9.979	4.143	8.267	9.331	7.695	8.023
7/20/2013 16:20	8.762	5.664	8.639	5.585	7.890	4.943	8.979	4.979	9.342	8.113	7.647	9.985	9.547	8.199	8.252	9.989	4.224	8.265	9.33	7.699	8.129
7/20/2013 16:30	8.762	5.760	8.633	5.661	7.896	4.995	8.979	5.05	9.334	8.113	7.653	9.985	9.547	8.199	8.246	9.983	4.295	8.265	9.33	7.693	8.202
7/20/2013 16:40	8.764	5.834	8.635	5.734	7.892	5.069	8.978	5.128	9.334	8.113	7.649	9.985	9.547	8.201	8.254	9.991	4.361	8.267	9.33	7.7	8.265
7/20/2013 16:50	8.767	5.911	8.637	5.803	7.894	5.133	8.979	5.192	9.334	8.113	7.657	9.985	9.555	8.203	8.251	9.997	4.44	8.275	9.332	7.697	8.286
7/20/2013 17:00	8.762	5.955	8.622	5.836	7.884	5.171	8.969	5.251	9.330	8.109	7.647	9.976	9.545	8.193	8.246	9.981	4.494	8.26	9.324	7.687	8.213
7/20/2013 17:10	8.762	6.022	8.622	5.901	7.890	5.227	8.980	5.314	9.322	8.109	7.653	9.981	9.543	8.199	8.246	9.985	4.565	8.26	9.322	7.693	8.251
7/20/2013 17:20	8.768	6.070	8.627	5.929	7.896	5.276	8.986	5.362	9.336	8.115	7.659	9.987	9.549	8.205	8.258	9.985	4.635	8.265	9.328	7.695	8.196
7/20/2013 17:30	8.767	6.108	8.631	5.962	7.894	5.317	8.985	5.408	9.340	8.119	7.663	9.984	9.553	8.209	8.256	9.989	4.699	8.269	9.338	7.699	8.131
7/20/2013 17:40	8.762	6.131	8.627	5.973	7.884	5.349	8.973	5.439	9.328	8.107	7.653	9.979	9.543	8.201	8.258	9.991	4.746	8.26	9.322	7.683	8.022
7/20/2013 17:50	8.760	6.138	8.623	5.971	7.880	5.376	8.982	5.461	9.330	8.109	7.649	9.966	9.545	8.203	8.248	9.979	4.802	8.261	9.33	7.685	7.911
7/20/2013 18:00	8.768	6.160	8.631	5.989	7.889	5.420	8.981	5.512	9.336	8.115	7.668	9.980	9.551	8.211	8.256	9.987	4.863	8.269	9.338	7.699	7.813
7/20/2013 18:10	8.770	6.169	8.633	5.993	7.890	5.447	8.982	5.534	9.338	8.117	7.670	9.981	9.553	8.212	8.258	9.987	4.917	8.265	9.328	7.701	7.71

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/20/2013 18:20	8.759	6.157	8.628	5.982	7.885	5.461	8.977	5.543	9.333	8.112	7.659	9.976	9.542	8.196	8.253	9.99	4.954	8.26	9.323	7.69	7.579
7/20/2013 18:30	8.757	6.166	8.631	5.968	7.889	5.483	8.973	5.56	9.336	8.115	7.663	9.974	9.545	8.211	8.256	9.98	4.997	8.264	9.332	7.688	7.448
7/20/2013 18:40	8.757	6.152	8.626	5.945	7.889	5.495	8.981	5.567	9.330	8.108	7.663	9.974	9.545	8.205	8.256	9.98	5.039	8.264	9.326	7.688	7.301
7/20/2013 18:50	8.753	6.135	8.627	5.931	7.896	5.510	8.975	5.577	9.332	8.104	7.664	9.976	9.547	8.207	8.258	9.995	5.076	8.265	9.334	7.689	7.162
7/20/2013 19:00	8.764	6.120	8.618	5.910	7.896	5.521	8.980	5.582	9.343	8.115	7.670	9.981	9.553	8.207	8.269	9.993	5.118	8.26	9.339	7.695	7.042
7/20/2013 19:10	8.759	6.094	8.619	5.877	7.897	5.528	8.976	5.583	9.331	8.116	7.665	9.975	9.546	8.208	8.27	9.988	5.147	8.266	9.334	7.696	6.865
7/20/2013 19:20	8.764	6.056	8.623	5.845	7.896	5.539	8.986	5.58	9.336	8.115	7.676	9.972	9.545	8.212	8.275	9.993	5.181	8.265	9.339	7.701	6.684
7/20/2013 19:30	8.753	6.009	8.616	5.788	7.894	5.531	8.979	5.558	9.321	8.108	7.663	9.972	9.538	8.205	8.268	9.978	5.204	8.258	9.332	7.693	6.504
7/20/2013 19:40	8.770	5.980	8.629	5.757	7.902	5.539	8.986	5.563	9.334	8.106	7.676	9.978	9.557	8.218	8.281	9.991	5.234	8.271	9.334	7.701	6.318
7/20/2013 19:50	8.757	5.913	8.610	5.689	7.889	5.520	8.973	5.529	9.321	8.100	7.663	9.964	9.538	8.199	8.262	9.983	5.24	8.246	9.32	7.688	6.112
7/20/2013 20:00	8.760	5.865	8.622	5.642	7.896	5.521	8.980	5.511	9.321	8.107	7.670	9.972	9.545	8.207	8.269	9.985	5.265	8.26	9.328	7.695	5.928
7/20/2013 20:10	8.765	5.819	8.633	5.589	7.900	5.518	8.983	5.5	9.330	8.117	7.680	9.982	9.555	8.213	8.279	10.001	5.286	8.269	9.338	7.699	5.756
7/20/2013 20:20	8.760	5.762	8.623	5.535	7.902	5.495	8.979	5.473	9.334	8.113	7.676	9.964	9.551	8.209	8.269	9.983	5.288	8.26	9.334	7.701	5.57
7/20/2013 20:30	8.755	5.700	8.618	5.478	7.896	5.477	8.973	5.441	9.321	8.107	7.664	9.964	9.545	8.203	8.264	9.977	5.296	8.248	9.328	7.689	5.4
7/20/2013 20:40	8.765	5.657	8.628	5.430	7.906	5.476	8.983	5.424	9.325	8.110	7.674	9.968	9.555	8.213	8.273	9.987	5.311	8.264	9.338	7.699	5.234
7/20/2013 20:50	8.766	5.589	8.629	5.367	7.913	5.458	8.984	5.391	9.326	8.119	7.682	9.976	9.557	8.214	8.275	9.983	5.313	8.26	9.334	7.701	5.071
7/20/2013 21:00	8.760	5.522	8.623	5.302	7.902	5.433	8.979	5.356	9.326	8.106	7.676	9.970	9.557	8.212	8.269	9.991	5.313	8.254	9.334	7.701	4.874
7/20/2013 21:10	8.755	5.469	8.618	5.252	7.896	5.408	8.973	5.32	9.315	8.107	7.670	9.964	9.545	8.207	8.264	9.985	5.301	8.254	9.322	7.685	4.776
7/20/2013 21:20	8.760	5.432	8.623	5.214	7.902	5.403	8.979	5.305	9.326	8.113	7.676	9.970	9.543	8.212	8.275	9.983	5.307	8.254	9.334	7.695	4.692
7/20/2013 21:30	8.755	5.385	8.622	5.175	7.902	5.378	8.980	5.272	9.321	8.107	7.670	9.964	9.551	8.207	8.269	9.977	5.296	8.248	9.328	7.689	4.594
7/20/2013 21:40	8.755	5.341	8.612	5.135	7.902	5.361	8.967	5.247	9.315	8.102	7.676	9.966	9.553	8.207	8.269	9.979	5.29	8.254	9.322	7.689	4.519
7/20/2013 21:50	8.760	5.316	8.622	5.112	7.907	5.353	8.980	5.24	9.322	8.115	7.670	9.964	9.545	8.207	8.275	9.985	5.282	8.254	9.322	7.695	4.475
7/20/2013 22:00	8.760	5.302	8.623	5.103	7.907	5.347	8.973	5.224	9.321	8.115	7.670	9.964	9.545	8.207	8.275	9.985	5.276	8.254	9.328	7.695	4.504
7/20/2013 22:10	8.760	5.289	8.627	5.099	7.907	5.342	8.973	5.219	9.328	8.107	7.670	9.964	9.551	8.207	8.269	9.977	5.271	8.26	9.328	7.695	4.512
7/20/2013 22:20	8.760	5.283	8.627	5.103	7.907	5.336	8.973	5.209	9.321	8.107	7.670	9.964	9.551	8.207	8.275	9.985	5.271	8.26	9.328	7.695	4.556
7/20/2013 22:30	8.756	5.278	8.617	5.098	7.902	5.331	8.968	5.206	9.323	8.102	7.665	9.967	9.554	8.202	8.27	9.986	5.254	8.255	9.311	7.684	4.597
7/20/2013 22:40	8.759	5.285	8.616	5.120	7.902	5.336	8.967	5.205	9.322	8.109	7.670	9.966	9.553	8.201	8.269	9.972	5.254	8.248	9.316	7.683	4.671
7/20/2013 22:50	8.765	5.311	8.622	5.147	7.908	5.342	8.974	5.216	9.329	8.108	7.671	9.965	9.559	8.208	8.276	9.986	5.254	8.255	9.323	7.684	4.771
7/20/2013 23:00	8.760	5.331	8.623	5.183	7.907	5.353	8.973	5.23	9.321	8.107	7.670	9.964	9.559	8.207	8.269	9.972	5.254	8.254	9.328	7.683	4.897
7/20/2013 23:10	8.761	5.374	8.622	5.226	7.908	5.367	8.974	5.252	9.329	8.116	7.671	9.973	9.552	8.208	8.27	9.986	5.254	8.26	9.323	7.684	5.058
7/20/2013 23:20	8.759	5.406	8.620	5.269	7.906	5.384	8.971	5.265	9.319	8.106	7.668	9.970	9.549	8.205	8.268	9.983	5.246	8.252	9.32	7.688	5.188
7/20/2013 23:30	8.766	5.461	8.629	5.323	7.913	5.408	8.979	5.301	9.334	8.113	7.676	9.970	9.564	8.212	8.269	9.991	5.259	8.265	9.334	7.689	5.342
7/20/2013 23:40	8.756	5.504	8.622	5.373	7.897	5.417	8.968	5.315	9.316	8.110	7.665	9.959	9.546	8.202	8.264	9.988	5.254	8.243	9.323	7.684	5.519
7/20/2013 23:50	8.755	5.566	8.616	5.438	7.902	5.441	8.967	5.356	9.315	8.109	7.664	9.966	9.545	8.201	8.264	9.979	5.259	8.242	9.311	7.689	5.704
7/21/2013 0:00	8.749	5.639	8.622	5.514	7.902	5.472	8.967	5.4	9.322	8.102	7.664	9.966	9.553	8.201	8.254	9.979	5.271	8.248	9.316	7.683	5.911
7/21/2013 0:10	8.760	5.716	8.618	5.591	7.907	5.508	8.973	5.441	9.328	8.115	7.676	9.964	9.559	8.207	8.269	9.985	5.296	8.254	9.322	7.689	6.106
7/21/2013 0:20	8.764	5.785	8.612	5.669	7.902	5.539	8.967	5.485	9.322	8.109	7.676	9.966	9.553	8.201	8.264	9.979	5.296	8.248	9.322	7.68	6.33
7/21/2013 0:30	8.755	5.859	8.606	5.744	7.902	5.577	8.975	5.538	9.322	8.115	7.670	9.966	9.566	8.201	8.258	9.987	5.319	8.248	9.322	7.683	6.539
7/21/2013 0:40	8.763	5.946	8.622	5.836	7.900	5.617	8.979	5.598	9.327	8.113	7.680	9.962	9.557	8.211	8.268	9.983	5.336	8.252	9.326	7.678	6.747
7/21/2013 0:50	8.770	6.049	8.623	5.926	7.913	5.663	8.979	5.663	9.334	8.127	7.687	9.978	9.564	8.218	8.269	9.997	5.372	8.265	9.339	7.691	6.971
7/21/2013 1:00	8.763	6.131	8.616	6.008	7.906	5.698	8.979	5.705	9.327	8.113	7.680	9.962	9.557	8.211	8.262	9.983	5.39	8.252	9.326	7.684	7.174
7/21/2013 1:10	8.765	6.217	8.628	6.102	7.911	5.748	8.985	5.766	9.332	8.119	7.691	9.976	9.563	8.222	8.273	9.989	5.418	8.258	9.332	7.688	7.398
7/21/2013 1:20	8.768	6.302	8.622	6.188	7.911	5.784	8.971	5.824	9.321	8.113	7.680	9.970	9.563	8.217	8.262	9.983	5.443	8.252	9.332	7.682	7.601
7/21/2013 1:30	8.760	6.405	8.623	6.283	7.907	5.830	8.973	5.883	9.328	8.115	7.687	9.972	9.559	8.218	8.264	9.991	5.474	8.248	9.322	7.683	7.827
7/21/2013 1:40	8.764	6.489	8.618	6.354	7.902	5.879	8.967	5.938	9.315	8.109	7.682	9.958	9.553	8.212	8.258	9.987	5.51	8.254	9.322	7.683	8.001
7/21/2013 1:50	8.770	6.583	8.618	6.458	7.913	5.921	8.980	5.999	9.321	8.115	7.689	9.972	9.564	8.218	8.264	9.985	5.546	8.254	9.328	7.689	8.204
7/21/2013 2:00	8.756	6.673	8.619	6.541	7.902	5.966	8.968	6.058	9.316	8.110	7.684	9.959	9.559	8.213	8.259	9.972	5.578	8.249	9.329	7.684	8.381
7/21/2013 2:10	8.764	6.755	8.623	6.622	7.907	6.021	8.973	6.12	9.321	8.115	7.695	9.972	9.564	8.23	8.269	9.985	5.617	8.26	9.322	7.689	8.56
7/21/2013 2:20	8.765	6.832	8.624	6.696	7.908	6.066	8.976	6.178	9.323	8.116	7.690	9.975	9.559	8.225	8.264	9.988	5.649	8.249	9.323	7.678	8.702
7/21/2013 2:30	8.770	6.912	8.623	6.772	7.907	6.107	8.980	6.235	9.328	8.115	7.695	9.972	9.564	8.23	8.269	9.985	5.696	8.26	9.334	7.689	8.831
7/21/2013 2:40	8.770	6.994	8.629	6.837	7.913	6.151	8.973	6.283	9.328	8.115	7.701	9.972	9.564	8.233	8.269	9.985	5.738	8.265	9.328	7.683	8.939
7/21/2013 2:50	8.770	7.055	8.623	6.898	7.913	6.193	8.980	6.332	9.328	8.115	7.701	9.972	9.564	8.233	8.269	9.977	5.78	8.265	9.328	7.683	9.028
7/21/2013 3:00	8.764	7.111	8.618	6.953	7.913	6.237	8.973	6.382	9.328	8.115	7.706	9.972	9.572	8.239	8.275	9.985	5.82	8.265	9.334	7.689	9.071
7/21/2013 3:10	8.770	7.159	8.623	6.992	7.913	6.268	8.980	6.424	9.328	8.121	7.701	9.979	9.572	8.239	8.275	9.991	5.868	8.265	9.334	7.695	9.086
7/21/2013 3:20	8.770	7.205	8.635	7.036	7.919	6.304	8.986	6.465	9.334	8.127	7.716	9.985	9.578	8.245	8.281	9.991	5.91	8.265	9.339	7.701	9.111
7/21/2013 3:30	8.770	7.226	8.629	7.045	7.919	6.329	8.980	6.493	9.321	8.115	7.712	9.972	9.578	8.245	8.281	9.985	5.946	8.271	9.339	7.695	9.042
7/21/2013 3:40	8.770	7.239	8.618	7.051	7.919	6.362	8.973	6.514	9.328	8.121	7.712	9.972	9.572	8.251	8.275	9.985	5.977	8.271	9.334	7.695	8.973
7/21/2013 3:50	8.770	7.247	8.623	7.045	7.919	6.379	8.973	6.535	9.328	8.121	7.710	9.972	9.572	8.251	8.281	9.985	6.011	8.271	9.334	7.695	8.873
7/21/2013 4:00	8.764	7.233	8.618	7.024	7.913	6.392	8.975	6.543	9.322	8.115	7.710	9.966	9.572	8.251	8.287	9.985	6.042	8.265	9.328	7.695	8.722
7/21/2013 4:10	8.770	7.226	8.623	7.001	7.925	6.404	8.980	6.562	9.321	8.115	7.718	9.972	9.578	8.256	8.292	9.993	6.078	8.271	9.339	7.701	8.54
7/21/2013 4:20	8.776	7.199	8.623	6.965	7.925	6.409	8.980	6.554	9.321	8.121	7.724	9.979	9.572	8.262	8.292	9.991	6.101	8.271	9.339	7.706	8.336
7/21/2013 4:30	8.780	7.148	8.628	6.919	7.929	6.414	8.977	6.551	9.325	8.119	7.733	9.991	9.582	8.266	8.296	9.995	6.136	8.275	9.338	7.71	8.116
7/21/2013 4:40	8.770	7.090	8.623	6.850	7.925	6.398	8.980	6.528	9.328	8.128	7.727	9.972	9.578	8.266	8.298	9.985	6.155	8.265	9.334	7.706	7.848
7/21/2013 4:50	8.776	7.027	8.629	6.777	7.930	6.398	8.986	6.512	9.334	8.127	7.733	9.985	9.583	8.272	8.31	9.991	6.172	8.277	9.345	7.718	7.559
7/21/2013 5:00	8.782	6.946	8.629	6.683	7.936	6.379	8.980	6.465	9.328	8.121	7.729	9.987	9.578	8.272	8.31	9.993	6.191	8.277	9.345	7.718	7.252
7/21/2013 5:10	8.770	6.851	8.629	6.584	7.925	6.342	8.975	6.424	9.322	8.115	7.724	9.974	9.572	8.272	8.304	9.979	6.191	8.271	9.339	7.712	6.923
7/21/2013 5:20	8.770	6.742	8.623	6.475	7.919	6.318	8.975	6.367	9.322	8.123	7.729	9.981	9.58	8.272	8.304	9.979	6.197	8.271	9.334	7.706	6.569
7/21/2013 5:30	8.782	6.631	8.629	6.354	7.936	6.281	8.980	6.315	9.328	8.121	7.729	9.979	9.585	8.278	8.31	9.991	6.209	8.271	9.345	7.712	6.194
7/21/2013 5:40	8.782	6.502	8.629	6.224	7.936	6.243	8.980	6.248	9.328	8.128	7.735	9.979	9.585	8.283	8.315	9.991	6.203	8.271	9.339	7.722	5.796
7/21/2013 5:50	8.782	6.357	8.635	6.069	7.936	6.193	8.980	6.177	9.336	8.128	7.741	9.979	9.585	8.283	8.315	9.993	6.203	8.271	9.345	7.722	5.354
7/21/2013 6:00	8.770	6.196	8.623	5.908	7.925	6.126	8.969	6.082	9.324	8.125	7.735	9.976	9.566	8.272	8.304	9.974	6.168	8.265	9.328	7.716	4.877
7/21/2013 6:10	8.776	6.031	8.635	5.719	7.936	6.071	8.975	5.99	9.330	8.130	7.735	9.987	9.58	8.283	8.321	9.979	6.161	8.271	9.339	7.722	4.397
7/21/2013 6:20	8.770	5.832	8.629	5.512	7.930	5.985	8.975	5.871	9.317	8.125	7.729	9.976	9.58	8.278	8.31	9.981	6.132	8.265	9.339	7.716	3.888
7/21/2013 6:30	8.785	5.614	8.629	5.279	7.936	5.904	8.980	5.756	9.330	8.130	7.735	9.987	9.585	8.283	8.315	9.993	6.107	8.277	9.345	7.722	3.354

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/21/2013 6:40	8.776	5.383	8.629	5.020	7.930	5.793	8.975	5.611	9.324	8.125	7.741	9.981	9.58	8.281	8.315	9.981	6.067	8.277	9.339	7.722	2.828
7/21/2013 6:50	8.785	5.142	8.635	4.747	7.942	5.694	8.980	5.46	9.330	8.138	7.741	9.987	9.585	8.283	8.321	9.993	6.025	8.277	9.339	7.727	2.267
7/21/2013 7:00	8.776	4.876	8.635	4.458	7.942	5.577	8.980	5.289	9.330	8.146	7.741	9.987	9.585	8.283	8.327	9.987	5.977	8.282	9.339	7.727	1.716
7/21/2013 7:10	8.776	4.594	8.629	4.142	7.942	5.441	8.980	5.108	9.338	8.138	7.741	9.995	9.585	8.283	8.327	9.987	5.916	8.277	9.339	7.727	1.121
7/21/2013 7:20	8.764	4.296	8.627	3.807	7.936	5.294	8.969	4.897	9.326	8.127	7.729	9.983	9.582	8.276	8.31	9.981	5.839	8.277	9.334	7.716	0.592
7/21/2013 7:30	8.770	4.007	8.623	3.470	7.942	5.144	8.982	4.7	9.317	8.125	7.735	9.989	9.58	8.278	8.321	9.981	5.768	8.277	9.334	7.733	0.032
7/21/2013 7:40	8.770	3.681	8.629	3.124	7.936	4.984	8.975	4.478	9.324	8.132	7.735	9.981	9.58	8.278	8.321	9.987	5.69	8.277	9.328	7.733	-0.535
7/21/2013 7:50	8.785	3.385	8.629	2.762	7.948	4.817	8.980	4.252	9.330	8.138	7.741	9.995	9.585	8.278	8.327	9.987	5.606	8.288	9.339	7.739	-1.075
7/21/2013 8:00	8.776	3.057	8.629	2.397	7.942	4.631	8.975	4.007	9.324	8.140	7.735	9.989	9.58	8.272	8.327	9.987	5.51	8.282	9.334	7.733	-1.612
7/21/2013 8:10	8.771	2.723	8.624	2.024	7.937	4.441	8.970	3.753	9.319	8.135	7.724	9.984	9.575	8.267	8.31	9.982	5.398	8.283	9.329	7.728	-2.113
7/21/2013 8:20	8.769	2.404	8.619	1.678	7.925	4.251	8.964	3.51	9.314	8.129	7.719	9.978	9.569	8.261	8.31	9.978	5.285	8.266	9.317	7.723	-2.58
7/21/2013 8:30	8.775	2.101	8.624	1.349	7.937	4.077	8.970	3.285	9.327	8.135	7.724	9.976	9.582	8.267	8.31	9.976	5.172	8.266	9.323	7.728	-3.037
7/21/2013 8:40	8.769	1.822	8.622	1.075	7.937	3.924	8.972	3.082	9.327	8.129	7.724	9.986	9.577	8.261	8.31	9.984	5.059	8.278	9.323	7.728	-3.447
7/21/2013 8:50	8.774	1.567	8.623	0.854	7.948	3.799	8.969	2.918	9.326	8.134	7.729	9.991	9.582	8.272	8.315	9.989	4.947	8.282	9.334	7.739	-3.848
7/21/2013 9:00	8.772	1.347	8.626	0.697	7.940	3.673	8.967	2.769	9.330	8.138	7.722	9.989	9.58	8.27	8.319	9.987	4.827	8.275	9.326	7.737	-4.169
7/21/2013 9:10	8.774	1.157	8.627	0.553	7.936	3.564	8.969	2.645	9.326	8.140	7.724	9.999	9.574	8.266	8.321	9.981	4.706	8.277	9.322	7.739	-4.523
7/21/2013 9:20	8.774	0.985	8.623	0.433	7.936	3.464	8.969	2.53	9.326	8.140	7.716	9.999	9.574	8.266	8.315	9.983	4.587	8.277	9.328	7.739	-4.81
7/21/2013 9:30	8.780	0.828	8.639	0.322	7.948	3.378	8.975	2.423	9.332	8.146	7.722	9.997	9.587	8.272	8.321	9.987	4.482	8.282	9.328	7.739	-5.055
7/21/2013 9:40	8.780	0.684	8.629	0.224	7.942	3.292	8.975	2.325	9.332	8.146	7.722	9.997	9.58	8.266	8.327	9.987	4.364	8.282	9.334	7.739	-5.264
7/21/2013 9:50	8.780	0.554	8.633	0.127	7.942	3.211	8.982	2.227	9.332	8.138	7.712	9.997	9.58	8.26	8.321	9.987	4.258	8.277	9.322	7.733	-5.45
7/21/2013 10:00	8.774	0.436	8.631	0.047	7.940	3.135	8.973	2.141	9.330	8.144	7.714	9.995	9.586	8.259	8.314	9.993	4.146	8.281	9.32	7.737	-5.52
7/21/2013 10:10	8.770	0.334	8.633	-0.024	7.942	3.062	8.975	2.065	9.332	8.138	7.716	9.997	9.587	8.26	8.315	9.989	4.048	8.282	9.322	7.739	-5.658
7/21/2013 10:20	8.770	0.252	8.633	-0.097	7.942	2.989	8.975	1.982	9.324	8.138	7.718	9.997	9.587	8.26	8.315	9.995	3.946	8.282	9.322	7.733	-5.635
7/21/2013 10:30	8.764	0.171	8.633	-0.157	7.936	2.921	8.969	1.913	9.319	8.132	7.706	9.983	9.582	8.249	8.31	9.975	3.841	8.277	9.316	7.727	-5.603
7/21/2013 10:40	8.776	0.122	8.635	-0.183	7.942	2.871	8.980	1.854	9.330	8.146	7.712	10.002	9.591	8.26	8.321	9.993	3.759	8.294	9.328	7.739	-5.509
7/21/2013 10:50	8.770	0.068	8.629	-0.222	7.936	2.810	8.969	1.793	9.324	8.132	7.706	9.997	9.585	8.255	8.31	9.989	3.665	8.282	9.322	7.733	-5.31
7/21/2013 11:00	8.764	0.034	8.629	-0.248	7.936	2.760	8.975	1.735	9.317	8.140	7.701	9.997	9.585	8.249	8.304	9.981	3.577	8.282	9.316	7.733	-5.153
7/21/2013 11:10	8.770	0.020	8.623	-0.260	7.936	2.704	8.975	1.688	9.324	8.138	7.693	9.997	9.574	8.245	8.31	9.974	3.493	8.277	9.316	7.727	-4.883
7/21/2013 11:20	8.776	0.026	8.629	-0.264	7.942	2.668	8.980	1.651	9.322	8.138	7.695	9.995	9.585	8.251	8.31	9.987	3.416	8.288	9.316	7.727	-4.577
7/21/2013 11:30	8.764	0.034	8.633	-0.254	7.942	2.618	8.975	1.609	9.317	8.132	7.689	9.997	9.574	8.239	8.304	9.974	3.34	8.277	9.311	7.727	-4.275
7/21/2013 11:40	8.764	0.060	8.627	-0.229	7.936	2.582	8.975	1.582	9.324	8.132	7.687	9.981	9.574	8.245	8.298	9.974	3.271	8.271	9.305	7.722	-3.911
7/21/2013 11:50	8.770	0.108	8.627	-0.197	7.936	2.557	8.975	1.561	9.324	8.132	7.687	9.989	9.58	8.239	8.304	9.981	3.206	8.277	9.311	7.722	-3.555
7/21/2013 12:00	8.770	0.171	8.633	-0.122	7.936	2.526	8.975	1.54	9.324	8.138	7.682	9.989	9.58	8.239	8.298	9.981	3.152	8.277	9.311	7.722	-3.228
7/21/2013 12:10	8.770	0.273	8.633	-0.005	7.942	2.519	8.975	1.552	9.322	8.138	7.682	10.002	9.585	8.245	8.304	9.979	3.1	8.282	9.316	7.727	-2.795
7/21/2013 12:20	8.765	0.396	8.634	0.164	7.931	2.525	8.976	1.589	9.323	8.139	7.677	9.988	9.573	8.24	8.293	9.98	3.048	8.278	9.306	7.723	-2.346
7/21/2013 12:30	8.770	0.545	8.633	0.351	7.930	2.555	8.980	1.653	9.328	8.136	7.682	9.993	9.578	8.245	8.304	9.985	3.007	8.282	9.314	7.724	-1.93
7/21/2013 12:40	8.764	0.696	8.627	0.542	7.925	2.588	8.975	1.724	9.315	8.130	7.670	9.995	9.572	8.228	8.292	9.979	2.97	8.271	9.309	7.718	-1.475
7/21/2013 12:50	8.765	0.875	8.628	0.759	7.925	2.644	8.976	1.821	9.316	8.131	7.671	9.988	9.573	8.234	8.282	9.98	2.935	8.272	9.306	7.719	-0.992
7/21/2013 13:00	8.764	1.073	8.627	0.999	7.919	2.704	8.967	1.919	9.315	8.123	7.664	9.987	9.572	8.228	8.298	9.979	2.922	8.271	9.305	7.718	-0.474
7/21/2013 13:10	8.764	1.295	8.622	1.248	7.919	2.773	8.975	2.044	9.315	8.123	7.664	9.987	9.58	8.228	8.281	9.979	2.905	8.271	9.299	7.712	0.03
7/21/2013 13:20	8.764	1.509	8.627	1.505	7.925	2.859	8.973	2.181	9.313	8.136	7.664	9.993	9.578	8.23	8.292	9.972	2.905	8.277	9.311	7.718	0.554
7/21/2013 13:30	8.768	1.745	8.631	1.781	7.923	2.961	8.969	2.323	9.319	8.140	7.668	9.997	9.576	8.234	8.296	9.981	2.921	8.275	9.315	7.722	1.151
7/21/2013 13:40	8.774	1.997	8.637	2.047	7.934	3.060	8.975	2.476	9.325	8.146	7.668	10.003	9.574	8.234	8.296	9.974	2.932	8.275	9.315	7.722	1.733
7/21/2013 13:50	8.764	2.244	8.627	2.295	7.925	3.154	8.965	2.614	9.321	8.128	7.659	9.993	9.572	8.218	8.287	9.972	2.945	8.271	9.309	7.712	2.261
7/21/2013 14:00	8.766	2.485	8.629	2.563	7.925	3.265	8.971	2.767	9.321	8.134	7.664	9.993	9.57	8.224	8.292	9.97	2.982	8.277	9.314	7.712	2.786
7/21/2013 14:10	8.761	2.725	8.630	2.811	7.925	3.371	8.979	2.917	9.314	8.127	7.659	9.994	9.571	8.225	8.287	9.971	3.017	8.278	9.311	7.713	3.322
7/21/2013 14:20	8.766	2.964	8.623	3.049	7.925	3.481	8.971	3.071	9.313	8.127	7.653	9.993	9.564	8.224	8.287	9.97	3.058	8.271	9.314	7.712	3.825
7/21/2013 14:30	8.766	3.207	8.629	3.290	7.925	3.592	8.977	3.217	9.326	8.132	7.659	9.991	9.57	8.224	8.292	9.975	3.11	8.277	9.314	7.718	4.326
7/21/2013 14:40	8.760	3.429	8.629	3.510	7.919	3.688	8.977	3.364	9.319	8.125	7.659	9.999	9.562	8.218	8.281	9.983	3.164	8.277	9.314	7.712	4.764
7/21/2013 14:50	8.760	3.635	8.623	3.719	7.913	3.791	8.963	3.504	9.313	8.127	7.659	9.985	9.557	8.212	8.269	9.97	3.217	8.271	9.309	7.706	5.195
7/21/2013 15:00	8.770	3.869	8.633	3.953	7.917	3.904	8.979	3.659	9.328	8.134	7.668	10.001	9.572	8.224	8.291	9.991	3.29	8.281	9.319	7.716	5.676
7/21/2013 15:10	8.760	4.077	8.629	4.142	7.919	4.002	8.975	3.791	9.317	8.125	7.664	9.989	9.568	8.214	8.277	9.981	3.351	8.277	9.309	7.712	6.083
7/21/2013 15:20	8.760	4.269	8.629	4.318	7.907	4.105	8.967	3.917	9.309	8.117	7.653	9.989	9.562	8.209	8.275	9.974	3.422	8.265	9.309	7.706	6.405
7/21/2013 15:30	8.765	4.471	8.634	4.505	7.907	4.202	8.972	4.045	9.314	8.130	7.658	10.002	9.567	8.214	8.276	9.973	3.498	8.27	9.314	7.706	6.764
7/21/2013 15:40	8.765	4.661	8.639	4.686	7.906	4.301	8.977	4.185	9.319	8.127	7.651	9.991	9.572	8.207	8.285	9.978	3.568	8.269	9.313	7.71	7.105
7/21/2013 15:50	8.745	4.816	8.618	4.829	7.896	4.379	8.956	4.296	9.303	8.111	7.636	9.976	9.557	8.186	8.264	9.96	3.629	8.254	9.297	7.691	7.369
7/21/2013 16:00	8.750	4.991	8.617	4.998	7.907	4.479	8.966	4.42	9.308	8.122	7.646	9.981	9.56	8.196	8.27	9.971	3.716	8.259	9.302	7.702	7.667
7/21/2013 16:10	8.755	5.159	8.628	5.145	7.911	4.572	8.969	4.547	9.319	8.133	7.651	9.991	9.57	8.203	8.281	9.976	3.803	8.269	9.307	7.707	7.896
7/21/2013 16:20	8.761	5.308	8.633	5.277	7.917	4.670	8.981	4.662	9.330	8.129	7.663	9.995	9.576	8.209	8.281	9.981	3.891	8.275	9.319	7.712	8.053
7/21/2013 16:30	8.761	5.452	8.628	5.403	7.906	4.756	8.981	4.756	9.323	8.129	7.657	9.995	9.568	8.203	8.275	9.981	3.973	8.269	9.319	7.707	8.24
7/21/2013 16:40	8.746	5.564	8.617	5.509	7.889	4.826	8.970	4.847	9.312	8.110	7.641	9.984	9.558	8.192	8.265	9.971	4.045	8.253	9.308	7.696	8.411
7/21/2013 16:50	8.754	5.694	8.624	5.626	7.897	4.906	8.970	4.948	9.319	8.120	7.642	9.992	9.565	8.194	8.278	9.976	4.129	8.26	9.315	7.703	8.545
7/21/2013 17:00	8.745	5.802	8.610	5.723	7.889	4.978	8.967	5.037	9.309	8.115	7.640	9.982	9.563	8.186	8.27	9.968	4.203	8.258	9.301	7.695	8.64
7/21/2013 17:10	8.745	5.917	8.610	5.823	7.894	5.047	8.973	5.127	9.309	8.121	7.651	9.980	9.555	8.197	8.27	9.98	4.28	8.262	9.301	7.707	8.751
7/21/2013 17:20	8.746	5.998	8.611	5.890	7.895	5.121	8.972	5.204	9.322	8.122	7.652	9.986	9.567	8.194	8.276	9.973	4.355	8.263	9.314	7.702	8.75
7/21/2013 17:30	8.751	6.072	8.610	5.958	7.889	5.177	8.964	5.273	9.315	8.121	7.645	9.980	9.561	8.197	8.27	9.978	4.431	8.262	9.307	7.701	8.786
7/21/2013 17:40	8.740	6.143	8.599	6.016	7.883	5.227	8.958	5.336	9.309	8.115	7.645	9.974	9.561	8.188	8.264	9.966	4.496	8.256	9.296	7.695	8.78
7/21/2013 17:50	8.752	6.197	8.611	6.066	7.889	5.289	8.964	5.398	9.316	8.122	7.646	9.979	9.562	8.194	8.276	9.98	4.573	8.263	9.295	7.696	8.729
7/21/2013 18:00	8.742	6.252	8.603	6.104	7.885	5.340	8.966	5.455	9.310	8.116	7.648	9.975	9.556	8.19	8.272	9.974	4.651	8.258	9.296	7.698	8.702
7/21/2013 18:10	8.738	6.287	8.607	6.143	7.880	5.383	8.960	5.505	9.310	8.108	7.648	9.967	9.55	8.196	8.266	9.974	4.711	8.253	9.296	7.698	8.606
7/21/2013 18:20	8.748	6.339	8.611	6.170	7.889	5.431	8.970	5.549	9.312	8.110	7.652	9.977	9.552	8.2	8.276	9.977	4.786	8.263	9.3	7.698	8.559
7/21/2013 18:30	8.742	6.346	8.600	6.179	7.878	5.461	8.957	5.58	9.299	8.105	7.646	9.963	9.546	8.194	8.276	9.965	4.832	8.251	9.3	7.696	8.434
7/21/2013 18:40	8.742	6.365	8.605	6.184	7.883	5.497	8.962	5.609	9.304	8.102	7.651	9.976	9.551	8.194	8.281	9.97	4.896	8.25	9.294	7.697	8.307
7/21/2013 18:50	8.753	6.376	8.605	6.184	7.889	5.527	8.960	5.646	9.309	8.115	7.657	9.974	9.551	8.205	8.281	9.968	4.955	8.25	9.305	7.703	8.173

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/21/2013 19:00	8.754	6.371	8.605	6.179	7.889	5.553	8.961	5.668	9.304	8.109	7.663	9.975	9.552	8.206	8.282	9.969	5.008	8.257	9.3	7.707	8.029
7/21/2013 19:10	8.736	6.357	8.593	6.154	7.883	5.575	8.954	5.676	9.298	8.110	7.651	9.961	9.551	8.205	8.287	9.97	5.049	8.25	9.294	7.701	7.854
7/21/2013 19:20	8.737	6.331	8.594	6.126	7.878	5.578	8.949	5.677	9.299	8.105	7.652	9.963	9.546	8.2	8.276	9.957	5.092	8.251	9.295	7.702	7.686
7/21/2013 19:30	8.738	6.306	8.596	6.104	7.880	5.593	8.951	5.686	9.300	8.106	7.654	9.957	9.542	8.196	8.278	9.972	5.134	8.247	9.296	7.703	7.506
7/21/2013 19:40	8.737	6.283	8.600	6.078	7.884	5.607	8.955	5.698	9.299	8.110	7.658	9.961	9.546	8.206	8.288	9.971	5.174	8.245	9.3	7.702	7.342
7/21/2013 19:50	8.748	6.256	8.600	6.034	7.889	5.614	8.962	5.698	9.312	8.110	7.663	9.969	9.552	8.206	8.288	9.963	5.209	8.251	9.306	7.707	7.156
7/21/2013 20:00	8.737	6.209	8.600	5.994	7.884	5.620	8.949	5.687	9.306	8.105	7.658	9.963	9.541	8.2	8.282	9.965	5.232	8.24	9.295	7.702	6.974
7/21/2013 20:10	8.748	6.180	8.600	5.950	7.884	5.622	8.962	5.677	9.312	8.110	7.669	9.969	9.541	8.21	8.293	9.977	5.268	8.245	9.3	7.713	6.783
7/21/2013 20:20	8.742	6.112	8.599	5.888	7.889	5.608	8.956	5.65	9.298	8.112	7.663	9.955	9.54	8.203	8.287	9.964	5.284	8.244	9.294	7.707	6.568
7/21/2013 20:30	8.742	6.064	8.605	5.834	7.894	5.602	8.962	5.642	9.304	8.110	7.668	9.968	9.545	8.209	8.298	9.978	5.315	8.244	9.299	7.712	6.334
7/21/2013 20:40	8.742	5.995	8.605	5.761	7.889	5.600	8.962	5.613	9.304	8.110	7.668	9.968	9.551	8.215	8.298	9.97	5.332	8.256	9.299	7.712	6.104
7/21/2013 20:50	8.742	5.928	8.599	5.685	7.889	5.583	8.956	5.586	9.298	8.112	7.663	9.962	9.54	8.209	8.293	9.964	5.338	8.25	9.294	7.707	5.867
7/21/2013 21:00	8.742	5.852	8.605	5.614	7.900	5.560	8.956	5.55	9.298	8.112	7.668	9.970	9.534	8.209	8.298	9.97	5.351	8.25	9.305	7.712	5.639
7/21/2013 21:10	8.746	5.772	8.605	5.532	7.895	5.536	8.957	5.509	9.306	8.112	7.669	9.971	9.541	8.215	8.305	9.973	5.358	8.257	9.306	7.719	5.361
7/21/2013 21:20	8.745	5.689	8.605	5.444	7.894	5.510	8.958	5.472	9.307	8.113	7.668	9.957	9.534	8.215	8.302	9.959	5.363	8.256	9.299	7.718	5.125
7/21/2013 21:30	8.734	5.601	8.605	5.356	7.889	5.485	8.952	5.424	9.302	8.115	7.668	9.959	9.542	8.209	8.302	9.974	5.357	8.25	9.294	7.718	4.874
7/21/2013 21:40	8.740	5.515	8.610	5.273	7.894	5.455	8.944	5.38	9.302	8.115	7.668	9.959	9.536	8.215	8.298	9.972	5.351	8.256	9.299	7.712	4.684
7/21/2013 21:50	8.741	5.445	8.605	5.203	7.895	5.436	8.953	5.338	9.302	8.116	7.669	9.959	9.537	8.215	8.299	9.967	5.346	8.251	9.3	7.719	4.486
7/21/2013 22:00	8.741	5.376	8.605	5.136	7.901	5.406	8.953	5.298	9.302	8.116	7.669	9.967	9.537	8.215	8.305	9.967	5.341	8.263	9.308	7.719	4.322
7/21/2013 22:10	8.741	5.301	8.605	5.071	7.901	5.381	8.959	5.254	9.302	8.116	7.669	9.959	9.542	8.215	8.305	9.967	5.327	8.257	9.308	7.713	4.182
7/21/2013 22:20	8.741	5.254	8.605	5.023	7.901	5.350	8.959	5.225	9.310	8.109	7.669	9.967	9.542	8.219	8.305	9.975	5.322	8.263	9.302	7.713	4.115
7/21/2013 22:30	8.740	5.192	8.610	4.971	7.900	5.336	8.965	5.184	9.309	8.115	7.674	9.966	9.547	8.218	8.314	9.972	5.309	8.262	9.301	7.718	4.032
7/21/2013 22:40	8.745	5.149	8.610	4.927	7.906	5.311	8.958	5.148	9.309	8.115	7.674	9.966	9.549	8.224	8.314	9.974	5.298	8.267	9.307	7.718	3.944
7/21/2013 22:50	8.745	5.109	8.605	4.892	7.900	5.288	8.952	5.131	9.304	8.115	7.668	9.966	9.544	8.218	8.308	9.974	5.281	8.262	9.307	7.712	3.902
7/21/2013 23:00	8.756	5.083	8.611	4.878	7.901	5.276	8.953	5.111	9.310	8.116	7.675	9.961	9.55	8.219	8.309	9.975	5.262	8.259	9.302	7.719	3.935
7/21/2013 23:10	8.744	5.064	8.605	4.874	7.901	5.251	8.947	5.088	9.304	8.110	7.669	9.961	9.544	8.214	8.303	9.963	5.245	8.253	9.296	7.719	3.985
7/21/2013 23:20	8.741	5.045	8.600	4.866	7.895	5.241	8.949	5.07	9.299	8.105	7.663	9.956	9.546	8.214	8.303	9.963	5.228	8.259	9.296	7.713	4.012
7/21/2013 23:30	8.742	5.054	8.607	4.874	7.902	5.237	8.958	5.07	9.300	8.114	7.665	9.965	9.554	8.215	8.305	9.959	5.224	8.255	9.298	7.715	4.097
7/21/2013 23:40	8.752	5.073	8.607	4.906	7.902	5.247	8.958	5.078	9.308	8.114	7.671	9.973	9.561	8.221	8.31	9.972	5.21	8.26	9.298	7.715	4.216
7/21/2013 23:50	8.750	5.087	8.600	4.932	7.901	5.247	8.951	5.076	9.301	8.107	7.663	9.958	9.541	8.219	8.297	9.965	5.191	8.253	9.296	7.711	4.316
7/22/2013 0:00	8.755	5.138	8.605	4.988	7.911	5.269	8.969	5.102	9.311	8.125	7.674	9.976	9.557	8.224	8.308	9.983	5.202	8.269	9.307	7.728	4.491
7/22/2013 0:10	8.755	5.180	8.605	5.032	7.906	5.271	8.964	5.125	9.313	8.119	7.674	9.978	9.559	8.224	8.308	9.976	5.191	8.258	9.301	7.722	4.642
7/22/2013 0:20	8.749	5.222	8.599	5.076	7.906	5.282	8.958	5.14	9.307	8.113	7.668	9.964	9.559	8.218	8.296	9.957	5.185	8.264	9.301	7.716	4.801
7/22/2013 0:30	8.750	5.290	8.605	5.150	7.907	5.308	8.959	5.183	9.314	8.122	7.669	9.973	9.567	8.225	8.309	9.973	5.186	8.264	9.302	7.717	5.012
7/22/2013 0:40	8.750	5.343	8.596	5.220	7.897	5.325	8.956	5.202	9.304	8.112	7.659	9.971	9.55	8.215	8.299	9.955	5.182	8.255	9.292	7.713	5.251
7/22/2013 0:50	8.749	5.411	8.600	5.302	7.902	5.355	8.956	5.242	9.303	8.111	7.664	9.962	9.557	8.218	8.304	9.962	5.187	8.265	9.291	7.712	5.429
7/22/2013 1:00	8.740	5.487	8.601	5.373	7.902	5.390	8.956	5.296	9.304	8.112	7.671	9.971	9.563	8.225	8.305	9.963	5.193	8.266	9.298	7.713	5.659
7/22/2013 1:10	8.740	5.563	8.607	5.459	7.897	5.417	8.951	5.34	9.298	8.106	7.665	9.965	9.558	8.219	8.299	9.963	5.201	8.26	9.292	7.707	5.894
7/22/2013 1:20	8.747	5.662	8.605	5.562	7.906	5.459	8.954	5.401	9.302	8.117	7.668	9.968	9.561	8.228	8.302	9.966	5.221	8.264	9.301	7.716	6.162
7/22/2013 1:30	8.749	5.771	8.610	5.668	7.911	5.518	8.960	5.462	9.315	8.123	7.674	9.974	9.567	8.228	8.314	9.98	5.244	8.275	9.296	7.716	6.434
7/22/2013 1:40	8.749	5.850	8.612	5.767	7.907	5.544	8.956	5.515	9.298	8.113	7.670	9.970	9.557	8.224	8.31	9.97	5.259	8.265	9.297	7.718	6.678
7/22/2013 1:50	8.743	5.940	8.606	5.849	7.894	5.577	8.950	5.565	9.299	8.115	7.664	9.964	9.559	8.224	8.298	9.964	5.276	8.26	9.297	7.712	6.881
7/22/2013 2:00	8.743	6.051	8.606	5.949	7.902	5.632	8.950	5.63	9.307	8.115	7.670	9.964	9.564	8.224	8.304	9.958	5.301	8.265	9.303	7.718	7.147
7/22/2013 2:10	8.755	6.164	8.618	6.063	7.911	5.694	8.969	5.707	9.311	8.127	7.682	9.983	9.576	8.235	8.31	9.968	5.349	8.277	9.309	7.724	7.417
7/22/2013 2:20	8.759	6.271	8.622	6.167	7.910	5.748	8.960	5.774	9.317	8.125	7.680	9.974	9.568	8.234	8.308	9.981	5.376	8.275	9.307	7.722	7.655
7/22/2013 2:30	8.749	6.372	8.612	6.261	7.907	5.787	8.950	5.835	9.307	8.121	7.676	9.964	9.564	8.23	8.298	9.964	5.397	8.26	9.303	7.712	7.903
7/22/2013 2:40	8.749	6.474	8.612	6.377	7.907	5.837	8.958	5.904	9.307	8.121	7.682	9.979	9.572	8.23	8.304	9.972	5.439	8.265	9.299	7.712	8.154
7/22/2013 2:50	8.755	6.577	8.612	6.475	7.905	5.887	8.952	5.967	9.309	8.115	7.682	9.966	9.566	8.228	8.304	9.972	5.474	8.265	9.297	7.718	8.372
7/22/2013 3:00	8.743	6.675	8.606	6.563	7.900	5.942	8.946	6.032	9.296	8.109	7.682	9.968	9.553	8.222	8.292	9.96	5.504	8.26	9.303	7.706	8.59
7/22/2013 3:10	8.754	6.779	8.611	6.658	7.901	5.987	8.955	6.098	9.304	8.110	7.684	9.969	9.567	8.229	8.299	9.967	5.547	8.26	9.304	7.713	8.773
7/22/2013 3:20	8.748	6.861	8.605	6.740	7.901	6.037	8.956	6.161	9.298	8.112	7.682	9.963	9.561	8.234	8.299	9.955	5.584	8.255	9.298	7.711	8.936
7/22/2013 3:30	8.753	6.956	8.610	6.821	7.905	6.090	8.961	6.229	9.309	8.117	7.695	9.976	9.566	8.239	8.31	9.974	5.642	8.265	9.311	7.712	9.065
7/22/2013 3:40	8.743	7.030	8.604	6.886	7.905	6.134	8.956	6.279	9.303	8.111	7.687	9.970	9.568	8.233	8.298	9.96	5.678	8.26	9.305	7.716	9.18
7/22/2013 3:50	8.751	7.098	8.614	6.950	7.910	6.182	8.967	6.348	9.307	8.123	7.697	9.974	9.572	8.243	8.302	9.964	5.725	8.264	9.309	7.72	9.232
7/22/2013 4:00	8.751	7.159	8.614	7.000	7.904	6.218	8.954	6.39	9.302	8.117	7.699	9.968	9.567	8.243	8.302	9.959	5.772	8.258	9.309	7.72	9.297
7/22/2013 4:10	8.748	7.204	8.611	7.035	7.906	6.265	8.958	6.437	9.306	8.114	7.701	9.971	9.563	8.244	8.31	9.955	5.811	8.272	9.306	7.728	9.299
7/22/2013 4:20	8.747	7.245	8.610	7.072	7.905	6.289	8.963	6.47	9.313	8.113	7.699	9.970	9.568	8.249	8.315	9.962	5.853	8.265	9.305	7.722	9.272
7/22/2013 4:30	8.747	7.266	8.604	7.078	7.905	6.319	8.958	6.493	9.299	8.115	7.701	9.964	9.557	8.249	8.31	9.964	5.893	8.265	9.305	7.71	9.203
7/22/2013 4:40	8.753	7.285	8.616	7.095	7.917	6.356	8.963	6.526	9.313	8.121	7.706	9.978	9.582	8.255	8.319	9.975	5.941	8.271	9.311	7.727	9.105
7/22/2013 4:50	8.754	7.262	8.602	7.068	7.907	6.365	8.953	6.524	9.303	8.111	7.702	9.968	9.566	8.256	8.309	9.966	5.967	8.273	9.301	7.723	8.961
7/22/2013 5:00	8.759	7.258	8.600	7.051	7.911	6.381	8.958	6.541	9.307	8.115	7.706	9.964	9.57	8.264	8.319	9.964	6.002	8.277	9.311	7.722	8.797
7/22/2013 5:10	8.757	7.241	8.626	7.022	7.915	6.392	8.975	6.559	9.317	8.133	7.716	9.982	9.58	8.274	8.329	9.974	6.054	8.281	9.309	7.737	8.59
7/22/2013 5:20	8.757	7.195	8.614	6.967	7.921	6.392	8.969	6.545	9.311	8.127	7.716	9.984	9.574	8.268	8.335	9.968	6.071	8.275	9.303	7.732	8.334
7/22/2013 5:30	8.753	7.136	8.610	6.907	7.913	6.388	8.958	6.528	9.307	8.123	7.712	9.979	9.576	8.27	8.331	9.964	6.098	8.271	9.299	7.727	8.077
7/22/2013 5:40	8.747	7.071	8.600	6.819	7.907	6.377	8.946	6.501	9.303	8.111	7.712	9.976	9.564	8.264	8.325	9.958	6.109	8.265	9.299	7.722	7.784
7/22/2013 5:50	8.758	6.996	8.614	6.739	7.915	6.365	8.961	6.48	9.311	8.124	7.720	9.975	9.579	8.277	8.338	9.966	6.141	8.273	9.312	7.739	7.465
7/22/2013 6:00	8.757	6.898	8.612	6.639	7.917	6.339	8.954	6.438	9.311	8.117	7.718	9.976	9.564	8.281	8.331	9.966	6.145	8.271	9.311	7.731	7.141
7/22/2013 6:10	8.751	6.791	8.606	6.523	7.919	6.297	8.956	6.384	9.298	8.111	7.718	9.976	9.566	8.276	8.325	9.968	6.157	8.271	9.305	7.731	6.78
7/22/2013 6:20	8.751	6.688	8.606	6.408	7.917	6.266	8.948	6.327	9.303	8.111	7.718	9.970	9.566	8.276	8.331	9.966	6.157	8.277	9.299	7.737	6.416
7/22/2013 6:30	8.757	6.558	8.610	6.276	7.919	6.235	8.948	6.258	9.303	8.119	7.724	9.976	9.566	8.276	8.336	9.96	6.157	8.271	9.293	7.737	6.016
7/22/2013 6:40	8.757	6.422	8.612	6.134	7.919	6.191	8.956	6.195	9.311	8.119	7.729	9.976	9.572	8.279	8.342	9.968	6.151	8.271	9.299	7.737	5.591
7/22/2013 6:50	8.757	6.257	8.600	5.958	7.919	6.136	8.950	6.105	9.298	8.121	7.724	9.978	9.566	8.279	8.342	9.962	6.122	8.271	9.299	7.737	5.109
7/22/2013 7:00	8.751	6.081	8.604	5.776	7.919	6.069	8.944	6.001	9.299	8.123	7.724	9.972	9.561	8.274	8.342	9.962	6.103	8.271	9.293	7.737	4.619
7/22/2013 7:10	8.751	5.884	8.610	5.570	7.913	5.988	8.946	5.89	9.301	8.117	7.718	9.974	9.562	8.274	8.336	9.958	6.111	8.271	9.288	7.737	4.085

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/22/2013 7:20	8.751	5.679	8.604	5.340	7.919	5.908	8.946	5.772	9.301	8.117	7.712	9.981	9.562	8.274	8.342	9.956	6.055	8.271	9.305	7.737	3.54
7/22/2013 7:30	8.760	5.440	8.604	5.091	7.925	5.810	8.946	5.63	9.301	8.117	7.724	9.987	9.568	8.279	8.348	9.964	6.021	8.271	9.305	7.743	2.987
7/22/2013 7:40	8.755	5.187	8.616	4.810	7.928	5.697	8.952	5.483	9.309	8.130	7.729	9.981	9.576	8.274	8.354	9.972	5.979	8.277	9.307	7.752	2.409
7/22/2013 7:50	8.743	4.921	8.610	4.502	7.919	5.569	8.948	5.309	9.298	8.119	7.718	9.976	9.564	8.268	8.348	9.953	5.902	8.265	9.301	7.747	1.815
7/22/2013 8:00	8.743	4.629	8.604	4.186	7.911	5.441	8.935	5.121	9.292	8.113	7.712	9.970	9.564	8.262	8.342	9.947	5.86	8.271	9.29	7.741	1.256
7/22/2013 8:10	8.755	4.347	8.616	3.866	7.925	5.297	8.956	4.943	9.311	8.119	7.724	9.976	9.578	8.274	8.348	9.96	5.807	8.277	9.307	7.752	0.675
7/22/2013 8:20	8.743	4.033	8.610	3.508	7.919	5.150	8.950	4.719	9.298	8.121	7.718	9.978	9.564	8.268	8.348	9.96	5.728	8.271	9.295	7.747	0.074
7/22/2013 8:30	8.755	3.725	8.610	3.143	7.925	4.984	8.963	4.493	9.311	8.134	7.729	9.983	9.578	8.274	8.348	9.96	5.65	8.282	9.307	7.752	-0.487
7/22/2013 8:40	8.755	3.396	8.616	2.775	7.925	4.809	8.963	4.252	9.311	8.134	7.729	9.983	9.583	8.274	8.354	9.966	5.567	8.282	9.307	7.758	-1.017
7/22/2013 8:50	8.755	3.063	8.604	2.404	7.925	4.618	8.950	4.005	9.313	8.121	7.724	9.978	9.572	8.268	8.354	9.96	5.472	8.277	9.295	7.752	-1.591
7/22/2013 9:00	8.749	2.722	8.610	2.025	7.925	4.421	8.952	3.747	9.307	8.130	7.718	9.979	9.572	8.262	8.348	9.968	5.365	8.284	9.295	7.752	-2.12
7/22/2013 9:10	8.749	2.407	8.610	1.669	7.925	4.235	8.958	3.498	9.307	8.130	7.712	9.979	9.572	8.262	8.348	9.962	5.257	8.282	9.295	7.758	-2.596
7/22/2013 9:20	8.753	2.093	8.610	1.329	7.925	4.057	8.952	3.27	9.307	8.123	7.718	9.987	9.572	8.262	8.348	9.962	5.143	8.279	9.295	7.752	-3.05
7/22/2013 9:30	8.743	1.792	8.610	1.043	7.919	3.902	8.952	3.066	9.307	8.125	7.712	9.974	9.561	8.256	8.348	9.964	5.02	8.284	9.284	7.747	-3.517
7/22/2013 9:40	8.747	1.540	8.610	0.829	7.919	3.761	8.952	2.89	9.307	8.125	7.718	9.981	9.574	8.251	8.348	9.964	4.901	8.284	9.295	7.752	-3.903
7/22/2013 9:50	8.747	1.312	8.610	0.664	7.919	3.644	8.952	2.746	9.307	8.130	7.712	9.981	9.566	8.256	8.348	9.964	4.785	8.29	9.301	7.752	-4.276
7/22/2013 10:00	8.747	1.123	8.610	0.523	7.930	3.533	8.952	2.612	9.299	8.130	7.712	9.981	9.574	8.256	8.342	9.964	4.666	8.29	9.29	7.752	-4.636
7/22/2013 10:10	8.753	0.937	8.616	0.402	7.936	3.433	8.958	2.495	9.313	8.130	7.718	9.995	9.58	8.262	8.348	9.97	4.549	8.302	9.295	7.758	-4.954
7/22/2013 10:20	8.747	0.761	8.616	0.268	7.919	3.334	8.959	2.375	9.307	8.130	7.706	9.989	9.574	8.256	8.354	9.956	4.431	8.29	9.29	7.741	-5.277
7/22/2013 10:30	8.747	0.617	8.616	0.171	7.925	3.248	8.959	2.279	9.307	8.130	7.712	9.989	9.566	8.256	8.352	9.956	4.314	8.296	9.295	7.752	-5.486
7/22/2013 10:40	8.741	0.481	8.610	0.069	7.919	3.162	8.954	2.183	9.301	8.125	7.706	9.976	9.568	8.251	8.336	9.958	4.197	8.284	9.29	7.747	-5.677
7/22/2013 10:50	8.741	0.351	8.616	-0.023	7.913	3.076	8.948	2.086	9.303	8.127	7.701	9.978	9.568	8.245	8.336	9.958	4.084	8.279	9.284	7.747	-5.853
7/22/2013 11:00	8.747	0.256	8.616	-0.088	7.919	3.014	8.954	2.007	9.309	8.132	7.701	9.983	9.582	8.251	8.336	9.958	3.99	8.296	9.29	7.758	-5.892
7/22/2013 11:10	8.747	0.168	8.610	-0.162	7.919	2.940	8.948	1.921	9.296	8.127	7.695	9.983	9.562	8.245	8.331	9.958	3.877	8.29	9.284	7.747	-5.83
7/22/2013 11:20	8.747	0.091	8.616	-0.214	7.919	2.873	8.956	1.85	9.303	8.127	7.695	9.978	9.562	8.245	8.336	9.953	3.778	8.279	9.29	7.752	-5.829
7/22/2013 11:30	8.749	0.033	8.617	-0.260	7.926	2.813	8.957	1.793	9.305	8.128	7.691	9.985	9.564	8.241	8.344	9.96	3.686	8.28	9.285	7.754	-5.704
7/22/2013 11:40	8.741	-0.010	8.616	-0.291	7.925	2.748	8.956	1.724	9.303	8.127	7.689	9.983	9.555	8.239	8.336	9.953	3.596	8.284	9.284	7.752	-5.549
7/22/2013 11:50	8.737	-0.055	8.606	-0.329	7.909	2.696	8.946	1.659	9.301	8.117	7.679	9.973	9.558	8.224	8.327	9.943	3.493	8.275	9.268	7.742	-5.335
7/22/2013 12:00	8.741	-0.064	8.610	-0.340	7.919	2.651	8.942	1.613	9.298	8.121	7.678	9.972	9.557	8.228	8.331	9.939	3.409	8.279	9.272	7.747	-5.065
7/22/2013 12:10	8.741	-0.058	8.616	-0.329	7.919	2.601	8.956	1.58	9.303	8.121	7.678	9.983	9.568	8.228	8.336	9.953	3.338	8.284	9.278	7.747	-4.787
7/22/2013 12:20	8.741	-0.048	8.615	-0.328	7.918	2.556	8.947	1.545	9.302	8.118	7.677	9.982	9.562	8.227	8.336	9.952	3.255	8.289	9.283	7.746	-4.409
7/22/2013 12:30	8.736	-0.026	8.599	-0.302	7.913	2.526	8.942	1.512	9.298	8.113	7.666	9.978	9.557	8.216	8.331	9.939	3.179	8.279	9.272	7.741	-4.047
7/22/2013 12:40	8.741	0.024	8.610	-0.252	7.919	2.490	8.948	1.492	9.296	8.121	7.666	9.978	9.555	8.212	8.331	9.945	3.12	8.273	9.267	7.741	-3.639
7/22/2013 12:50	8.747	0.112	8.616	-0.168	7.913	2.471	8.954	1.485	9.301	8.125	7.672	9.989	9.555	8.218	8.331	9.951	3.083	8.284	9.272	7.747	-3.209
7/22/2013 13:00	8.743	0.208	8.616	-0.049	7.907	2.457	8.954	1.496	9.301	8.125	7.660	9.976	9.528	8.218	8.325	9.951	3.037	8.279	9.276	7.741	-2.824
7/22/2013 13:10	8.741	0.332	8.604	0.115	7.896	2.459	8.948	1.521	9.296	8.113	7.649	9.970	9.509	8.207	8.313	9.937	2.974	8.273	9.27	7.741	-2.368
7/22/2013 13:20	8.745	0.501	8.614	0.328	7.911	2.500	8.958	1.602	9.300	8.115	7.659	9.980	9.545	8.211	8.317	9.941	2.913	8.277	9.275	7.745	-1.876
7/22/2013 13:30	8.728	0.669	8.606	0.530	7.903	2.528	8.936	1.678	9.292	8.107	7.639	9.964	9.53	8.197	8.315	9.933	2.874	8.275	9.257	7.731	-1.402
7/22/2013 13:40	8.743	0.870	8.610	0.766	7.913	2.607	8.946	1.787	9.301	8.117	7.655	9.974	9.534	8.207	8.319	9.943	2.867	8.284	9.267	7.747	-0.902
7/22/2013 13:50	8.743	1.082	8.604	1.022	7.907	2.668	8.946	1.9	9.294	8.117	7.647	9.995	9.539	8.207	8.319	9.949	2.85	8.279	9.276	7.741	-0.315
7/22/2013 14:00	8.733	1.296	8.594	1.286	7.898	2.744	8.942	2.026	9.290	8.105	7.651	9.962	9.57	8.226	8.315	9.937	2.838	8.275	9.272	7.731	0.205
7/22/2013 14:10	8.738	1.545	8.604	1.562	7.902	2.836	8.952	2.17	9.257	8.115	7.647	9.979	9.553	8.207	8.313	9.941	2.85	8.271	9.265	7.735	0.789
7/22/2013 14:20	8.730	1.791	8.580	1.832	7.894	2.934	8.956	2.308	9.256	8.113	7.645	9.970	9.544	8.211	8.312	9.939	2.854	8.277	9.269	7.739	1.362
7/22/2013 14:30	8.732	2.055	8.581	2.111	7.896	3.041	8.952	2.468	9.250	8.123	7.647	9.972	9.532	8.207	8.313	9.87	2.666	8.271	9.211	7.735	1.938
7/22/2013 14:40	8.728	2.305	8.576	2.395	7.890	3.144	8.952	2.618	9.242	8.115	7.641	9.972	9.545	8.203	8.308	9.87	2.695	8.271	9.205	7.653	2.544
7/22/2013 14:50	8.726	2.544	8.560	2.643	7.879	3.252	8.938	2.78	9.236	8.109	7.630	9.960	9.539	8.191	8.296	9.864	2.725	8.26	9.194	7.647	3.048
7/22/2013 15:00	8.733	2.806	8.571	2.898	7.892	3.376	8.946	2.947	9.244	8.109	7.631	9.968	9.555	8.199	8.298	9.866	2.769	8.267	9.196	7.649	3.604
7/22/2013 15:10	8.734	3.050	8.576	3.143	7.884	3.485	8.950	3.104	9.255	8.113	7.630	9.972	9.545	8.197	8.296	9.868	2.813	8.265	9.211	7.649	4.077
7/22/2013 15:20	8.739	3.316	8.570	3.424	7.896	3.608	8.948	3.265	9.254	8.119	7.630	9.978	9.557	8.197	8.308	9.868	2.877	8.271	9.211	7.649	4.661
7/22/2013 15:30	8.732	3.546	8.568	3.631	7.894	3.705	8.954	3.416	9.244	8.117	7.628	9.968	9.59	8.195	8.3	9.872	2.928	8.258	9.198	7.647	5.123
7/22/2013 15:40	8.728	3.752	8.570	3.843	7.896	3.843	8.948	3.556	9.246	8.111	7.624	9.970	9.564	8.191	8.302	9.874	3.001	8.265	9.205	7.643	5.507
7/22/2013 15:50	8.728	3.986	8.570	4.069	7.884	3.921	8.940	3.707	9.246	8.113	7.624	9.962	9.551	8.186	8.296	9.876	3.072	8.26	9.2	7.637	6.012
7/22/2013 16:00	8.732	4.208	8.570	4.276	7.883	4.038	8.944	3.858	9.244	8.110	7.630	9.966	9.547	8.186	8.3	9.872	3.135	8.269	9.209	7.647	6.42
7/22/2013 16:10	8.728	4.414	8.566	4.469	7.884	4.138	8.946	4.001	9.246	8.111	7.630	9.968	9.543	8.182	8.296	9.874	3.2	8.265	9.2	7.643	6.805
7/22/2013 16:20	8.732	4.623	8.576	4.672	7.889	4.247	8.956	4.138	9.248	8.113	7.636	9.978	9.58	8.192	8.3	9.878	3.286	8.264	9.215	7.642	7.17
7/22/2013 16:30	8.724	4.793	8.562	4.813	7.880	4.338	8.942	4.254	9.232	8.105	7.622	9.962	9.558	8.178	8.292	9.868	3.355	8.267	9.196	7.639	7.409
7/22/2013 16:40	8.724	4.994	8.560	5.009	7.884	4.440	8.952	4.396	9.244	8.109	7.632	9.966	9.562	8.182	8.29	9.874	3.441	8.26	9.205	7.643	7.784
7/22/2013 16:50	8.722	5.171	8.564	5.168	7.883	4.544	8.950	4.518	9.248	8.106	7.634	9.970	9.545	8.18	8.295	9.884	3.522	8.264	9.215	7.642	8.026
7/22/2013 17:00	8.718	5.323	8.555	5.315	7.873	4.631	8.938	4.633	9.236	8.102	7.626	9.958	9.541	8.17	8.29	9.872	3.6	8.254	9.205	7.632	8.294
7/22/2013 17:10	8.724	5.478	8.560	5.447	7.879	4.731	8.950	4.757	9.248	8.106	7.637	9.964	9.547	8.178	8.29	9.878	3.701	8.26	9.211	7.637	8.487
7/22/2013 17:20	8.717	5.620	8.559	5.576	7.871	4.808	8.941	4.861	9.239	8.098	7.634	9.962	9.545	8.18	8.291	9.874	3.782	8.258	9.204	7.632	8.638
7/22/2013 17:30	8.714	5.748	8.556	5.694	7.875	4.888	8.938	4.95	9.244	8.096	7.626	9.960	9.543	8.174	8.288	9.866	3.862	8.25	9.207	7.624	8.804
7/22/2013 17:40	8.717	5.860	8.553	5.796	7.871	4.963	8.941	5.058	9.239	8.098	7.628	9.955	9.545	8.171	8.291	9.869	3.947	8.246	9.198	7.626	8.891
7/22/2013 17:50	8.713	5.974	8.564	5.890	7.883	5.041	8.946	5.14	9.239	8.104	7.634	9.961	9.544	8.176	8.291	9.874	4.029	8.252	9.196	7.626	8.968
7/22/2013 18:00	8.713	6.070	8.564	5.972	7.877	5.116	8.944	5.228	9.244	8.102	7.634	9.959	9.544	8.176	8.291	9.872	4.111	8.252	9.202	7.632	9.042
7/22/2013 18:10	8.720	6.160	8.566	6.050	7.879	5.185	8.946	5.307	9.246	8.104	7.636	9.953	9.551	8.178	8.298	9.876	4.188	8.254	9.203	7.628	9.065
7/22/2013 18:20	8.713	6.227	8.559	6.115	7.866	5.240	8.939	5.376	9.229	8.102	7.628	9.951	9.544	8.176	8.285	9.859	4.262	8.252	9.202	7.626	9.077
7/22/2013 18:30	8.719	6.302	8.564	6.169	7.871	5.302	8.944	5.433	9.242	8.108	7.640	9.964	9.542	8.176	8.296	9.872	4.345	8.252	9.208	7.632	9.042
7/22/2013 18:40	8.719	6.363	8.559	6.213	7.871	5.363	8.944	5.496	9.242	8.108	7.640	9.957	9.542	8.176	8.296	9.872	4.416	8.246	9.202	7.632	9.013
7/22/2013 18:50	8.720	6.405	8.560	6.249	7.873	5.407	8.946	5.552	9.238	8.102	7.641	9.958	9.543	8.184	8.304	9.88	4.488	8.254	9.203	7.628	8.939
7/22/2013 19:00	8.720	6.433	8.549	6.270	7.867	5.451	8.946	5.598	9.236	8.102	7.641	9.958	9.538	8.184	8.304	9.866	4.559	8.254	9.203	7.634	8.847
7/22/2013 19:10	8.715	6.453	8.555	6.276	7.867	5.487	8.946	5.632	9.236	8.102	7.647	9.953	9.543	8.184	8.304	9.866	4.618	8.254	9.209	7.634	8.699
7/22/2013 19:20	8.720	6.468	8.555	6.276	7.867	5.525	8.946	5.67	9.236	8.102	7.641	9.953	9.538	8.184	8.304	9.874	4.683	8.254	9.203	7.634	8.561
7/22/2013 19:30	8.724	6.472	8.559	6.272	7.866	5.554	8.944	5.686	9.235	8.108	7.645	9.957	9.536	8.188	8.306	9.872	4.733	8.252	9.202	7.632	8.42

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/22/2013 19:40	8.720	6.460	8.555	6.253	7.867	5.573	8.938	5.709	9.236	8.109	7.647	9.953	9.538	8.189	8.308	9.88	4.788	8.248	9.209	7.634	8.238
7/22/2013 19:50	8.720	6.447	8.555	6.243	7.879	5.594	8.938	5.72	9.236	8.102	7.653	9.945	9.538	8.195	8.304	9.874	4.842	8.248	9.205	7.639	8.093
7/22/2013 20:00	8.720	6.418	8.555	6.205	7.873	5.611	8.938	5.73	9.236	8.094	7.647	9.953	9.53	8.195	8.313	9.866	4.888	8.254	9.205	7.639	7.869
7/22/2013 20:10	8.720	6.397	8.560	6.176	7.879	5.623	8.938	5.743	9.236	8.102	7.647	9.953	9.53	8.195	8.319	9.88	4.924	8.254	9.203	7.639	7.693
7/22/2013 20:20	8.720	6.357	8.555	6.132	7.873	5.630	8.931	5.733	9.244	8.109	7.653	9.945	9.538	8.199	8.319	9.874	4.965	8.248	9.203	7.639	7.484
7/22/2013 20:30	8.720	6.317	8.555	6.094	7.879	5.636	8.938	5.728	9.236	8.109	7.653	9.953	9.538	8.199	8.325	9.866	5.007	8.248	9.209	7.645	7.272
7/22/2013 20:40	8.709	6.257	8.549	6.023	7.867	5.625	8.927	5.701	9.232	8.098	7.647	9.941	9.532	8.193	8.319	9.868	5.024	8.248	9.192	7.634	7.038
7/22/2013 20:50	8.719	6.206	8.553	5.974	7.877	5.623	8.939	5.694	9.237	8.110	7.657	9.945	9.53	8.203	8.312	9.872	5.057	8.246	9.202	7.642	6.805
7/22/2013 21:00	8.713	6.139	8.547	5.895	7.866	5.610	8.925	5.667	9.231	8.104	7.651	9.940	9.524	8.197	8.317	9.861	5.076	8.246	9.204	7.636	6.541
7/22/2013 21:10	8.720	6.072	8.560	5.820	7.873	5.606	8.933	5.645	9.238	8.111	7.659	9.947	9.538	8.211	8.319	9.882	5.1	8.254	9.211	7.649	6.259
7/22/2013 21:20	8.714	5.980	8.550	5.732	7.875	5.582	8.923	5.601	9.228	8.099	7.654	9.943	9.528	8.201	8.315	9.866	5.108	8.25	9.201	7.633	5.985
7/22/2013 21:30	8.718	5.894	8.560	5.644	7.879	5.562	8.935	5.569	9.240	8.104	7.659	9.947	9.532	8.211	8.325	9.876	5.129	8.26	9.205	7.655	5.681
7/22/2013 21:40	8.724	5.800	8.555	5.545	7.879	5.539	8.935	5.521	9.234	8.106	7.659	9.949	9.526	8.211	8.331	9.87	5.137	8.26	9.2	7.649	5.386
7/22/2013 21:50	8.718	5.691	8.549	5.439	7.879	5.502	8.929	5.471	9.236	8.100	7.659	9.951	9.528	8.209	8.331	9.864	5.131	8.254	9.198	7.649	5.09
7/22/2013 22:00	8.718	5.589	8.549	5.336	7.879	5.470	8.923	5.412	9.234	8.107	7.659	9.951	9.534	8.209	8.331	9.872	5.123	8.248	9.205	7.649	4.78
7/22/2013 22:10	8.717	5.484	8.562	5.223	7.877	5.432	8.927	5.353	9.233	8.106	7.663	9.949	9.532	8.213	8.335	9.876	5.129	8.252	9.204	7.647	4.487
7/22/2013 22:20	8.717	5.377	8.553	5.122	7.883	5.395	8.929	5.284	9.229	8.100	7.657	9.943	9.534	8.207	8.329	9.87	5.116	8.252	9.204	7.647	4.215
7/22/2013 22:30	8.713	5.270	8.543	5.024	7.879	5.347	8.917	5.232	9.231	8.096	7.653	9.939	9.53	8.209	8.325	9.861	5.095	8.248	9.2	7.643	3.984
7/22/2013 22:40	8.717	5.186	8.553	4.921	7.877	5.315	8.921	5.175	9.221	8.100	7.657	9.943	9.526	8.213	8.329	9.87	5.087	8.252	9.204	7.647	3.764
7/22/2013 22:50	8.718	5.082	8.560	4.837	7.890	5.286	8.936	5.119	9.234	8.107	7.659	9.951	9.541	8.22	8.336	9.886	5.077	8.26	9.211	7.655	3.586
7/22/2013 23:00	8.724	5.008	8.560	4.749	7.884	5.248	8.936	5.067	9.242	8.115	7.664	9.958	9.541	8.226	8.336	9.872	5.06	8.26	9.217	7.655	3.425
7/22/2013 23:10	8.717	4.918	8.559	4.670	7.889	5.198	8.929	5.01	9.227	8.108	7.657	9.943	9.54	8.224	8.335	9.87	5.034	8.258	9.204	7.653	3.289
7/22/2013 23:20	8.722	4.836	8.553	4.598	7.889	5.160	8.937	4.964	9.227	8.108	7.657	9.943	9.54	8.213	8.329	9.865	5.011	8.252	9.204	7.647	3.19
7/22/2013 23:30	8.722	4.776	8.549	4.534	7.884	5.125	8.933	4.911	9.231	8.104	7.653	9.947	9.536	8.214	8.331	9.874	4.989	8.26	9.2	7.653	3.113
7/22/2013 23:40	8.728	4.722	8.555	4.496	7.890	5.100	8.938	4.874	9.244	8.109	7.664	9.953	9.541	8.23	8.342	9.872	4.972	8.271	9.211	7.664	3.067
7/22/2013 23:50	8.722	4.676	8.549	4.456	7.879	5.058	8.927	4.834	9.232	8.098	7.653	9.941	9.53	8.214	8.331	9.876	4.936	8.254	9.2	7.649	3.059
7/23/2013 0:00	8.718	4.638	8.550	4.431	7.875	5.035	8.923	4.801	9.221	8.094	7.649	9.943	9.533	8.21	8.327	9.87	4.909	8.255	9.196	7.645	3.078
7/23/2013 0:10	8.716	4.623	8.555	4.425	7.879	5.022	8.929	4.778	9.227	8.100	7.659	9.941	9.532	8.212	8.325	9.863	4.89	8.26	9.205	7.643	3.14
7/23/2013 0:20	8.724	4.611	8.556	4.436	7.886	5.010	8.930	4.772	9.236	8.101	7.654	9.950	9.539	8.22	8.338	9.864	4.867	8.261	9.207	7.649	3.233
7/23/2013 0:30	8.728	4.634	8.560	4.462	7.896	5.008	8.940	4.769	9.240	8.111	7.664	9.947	9.551	8.218	8.342	9.876	4.854	8.271	9.205	7.659	3.341
7/23/2013 0:40	8.726	4.646	8.559	4.483	7.889	5.013	8.925	4.784	9.239	8.112	7.657	9.953	9.542	8.217	8.335	9.874	4.823	8.264	9.198	7.651	3.484
7/23/2013 0:50	8.728	4.680	8.560	4.529	7.890	5.008	8.935	4.79	9.240	8.113	7.660	9.955	9.543	8.218	8.336	9.868	4.819	8.26	9.211	7.664	3.635
7/23/2013 1:00	8.726	4.728	8.553	4.588	7.883	5.020	8.927	4.8	9.233	8.098	7.653	9.947	9.536	8.211	8.329	9.861	4.794	8.264	9.198	7.657	3.852
7/23/2013 1:10	8.732	4.776	8.564	4.655	7.894	5.037	8.939	4.83	9.239	8.110	7.665	9.953	9.549	8.222	8.329	9.88	4.794	8.275	9.209	7.657	4.03
7/23/2013 1:20	8.730	4.843	8.562	4.723	7.886	5.060	8.936	4.857	9.236	8.107	7.656	9.950	9.547	8.214	8.327	9.872	4.779	8.267	9.207	7.654	4.232
7/23/2013 1:30	8.722	4.929	8.566	4.816	7.890	5.089	8.935	4.912	9.240	8.106	7.659	9.955	9.557	8.218	8.331	9.874	4.783	8.265	9.205	7.659	4.506
7/23/2013 1:40	8.722	4.998	8.555	4.890	7.879	5.114	8.929	4.947	9.240	8.106	7.653	9.949	9.551	8.218	8.319	9.876	4.777	8.26	9.2	7.649	4.694
7/23/2013 1:50	8.734	5.086	8.560	4.999	7.890	5.158	8.935	5.008	9.246	8.111	7.660	9.955	9.564	8.224	8.331	9.868	4.788	8.265	9.211	7.659	4.975
7/23/2013 2:00	8.732	5.182	8.562	5.091	7.889	5.187	8.927	5.052	9.239	8.104	7.659	9.955	9.549	8.217	8.329	9.869	4.794	8.258	9.209	7.651	5.255
7/23/2013 2:10	8.734	5.285	8.566	5.193	7.890	5.231	8.935	5.123	9.240	8.111	7.666	9.955	9.564	8.224	8.336	9.882	4.813	8.273	9.217	7.659	5.497
7/23/2013 2:20	8.726	5.379	8.562	5.294	7.883	5.267	8.927	5.181	9.239	8.104	7.657	9.955	9.549	8.217	8.329	9.874	4.823	8.266	9.204	7.651	5.779
7/23/2013 2:30	8.734	5.490	8.566	5.417	7.896	5.324	8.935	5.251	9.248	8.111	7.666	9.962	9.557	8.224	8.336	9.884	4.848	8.273	9.217	7.655	6.074
7/23/2013 2:40	8.734	5.601	8.560	5.522	7.890	5.368	8.935	5.311	9.240	8.113	7.660	9.964	9.559	8.224	8.319	9.876	4.865	8.267	9.217	7.653	6.332
7/23/2013 2:50	8.738	5.714	8.564	5.635	7.900	5.422	8.946	5.385	9.252	8.117	7.670	9.968	9.563	8.222	8.335	9.888	4.894	8.271	9.215	7.657	6.638
7/23/2013 3:00	8.726	5.825	8.564	5.750	7.894	5.470	8.933	5.454	9.239	8.112	7.665	9.962	9.557	8.228	8.323	9.874	4.917	8.266	9.204	7.651	6.904
7/23/2013 3:10	8.738	5.953	8.570	5.872	7.900	5.539	8.939	5.531	9.252	8.117	7.670	9.968	9.563	8.228	8.335	9.888	4.953	8.271	9.215	7.657	7.19
7/23/2013 3:20	8.728	6.066	8.560	5.983	7.896	5.585	8.929	5.588	9.242	8.115	7.666	9.966	9.559	8.224	8.325	9.878	4.978	8.271	9.211	7.647	7.488
7/23/2013 3:30	8.722	6.183	8.555	6.104	7.890	5.640	8.931	5.665	9.236	8.102	7.660	9.953	9.561	8.218	8.319	9.878	5.001	8.265	9.205	7.641	7.748
7/23/2013 3:40	8.722	6.311	8.560	6.215	7.896	5.701	8.929	5.747	9.250	8.107	7.666	9.951	9.559	8.224	8.325	9.878	5.049	8.265	9.211	7.647	8.012
7/23/2013 3:50	8.724	6.412	8.556	6.323	7.892	5.760	8.932	5.821	9.238	8.111	7.662	9.954	9.555	8.226	8.321	9.874	5.091	8.275	9.213	7.649	8.219
7/23/2013 4:00	8.726	6.520	8.560	6.417	7.896	5.818	8.923	5.888	9.236	8.117	7.672	9.966	9.553	8.224	8.319	9.872	5.137	8.273	9.217	7.647	8.412
7/23/2013 4:10	8.728	6.613	8.560	6.515	7.896	5.874	8.936	5.965	9.250	8.107	7.678	9.966	9.559	8.23	8.319	9.884	5.19	8.271	9.211	7.653	8.592
7/23/2013 4:20	8.732	6.717	8.566	6.603	7.896	5.923	8.944	6.036	9.242	8.115	7.678	9.972	9.559	8.23	8.319	9.886	5.232	8.279	9.219	7.653	8.755
7/23/2013 4:30	8.738	6.805	8.572	6.680	7.907	5.979	8.942	6.103	9.255	8.113	7.683	9.972	9.564	8.241	8.325	9.889	5.292	8.277	9.225	7.659	8.879
7/23/2013 4:40	8.724	6.877	8.560	6.748	7.892	6.024	8.925	6.15	9.238	8.111	7.674	9.962	9.562	8.231	8.315	9.881	5.324	8.275	9.207	7.643	8.973
7/23/2013 4:50	8.726	6.950	8.558	6.806	7.896	6.065	8.923	6.204	9.236	8.117	7.678	9.960	9.561	8.233	8.319	9.878	5.37	8.265	9.207	7.647	9.042
7/23/2013 5:00	8.732	7.011	8.570	6.861	7.902	6.109	8.931	6.254	9.236	8.117	7.683	9.960	9.561	8.239	8.331	9.878	5.424	8.265	9.211	7.653	9.09
7/23/2013 5:10	8.732	7.052	8.564	6.894	7.902	6.147	8.931	6.302	9.244	8.117	7.689	9.960	9.561	8.245	8.336	9.88	5.466	8.273	9.217	7.653	9.071
7/23/2013 5:20	8.732	7.080	8.564	6.921	7.896	6.178	8.925	6.332	9.238	8.104	7.689	9.960	9.561	8.239	8.331	9.88	5.508	8.267	9.211	7.647	9.021
7/23/2013 5:30	8.732	7.115	8.564	6.936	7.896	6.208	8.938	6.373	9.236	8.117	7.695	9.966	9.574	8.251	8.336	9.886	5.556	8.273	9.213	7.653	8.971
7/23/2013 5:40	8.732	7.115	8.564	6.927	7.890	6.233	8.933	6.38	9.238	8.111	7.689	9.968	9.561	8.245	8.331	9.88	5.592	8.267	9.213	7.653	8.818
7/23/2013 5:50	8.732	7.115	8.570	6.921	7.902	6.252	8.938	6.407	9.236	8.109	7.701	9.966	9.566	8.251	8.342	9.88	5.632	8.273	9.217	7.659	8.692
7/23/2013 6:00	8.732	7.099	8.576	6.894	7.907	6.275	8.944	6.415	9.250	8.123	7.706	9.966	9.585	8.262	8.348	9.884	5.669	8.271	9.219	7.664	8.473
7/23/2013 6:10	8.738	7.067	8.570	6.850	7.902	6.270	8.931	6.407	9.236	8.125	7.701	9.966	9.574	8.26	8.348	9.872	5.711	8.273	9.223	7.664	8.271
7/23/2013 6:20	8.726	7.019	8.564	6.794	7.896	6.270	8.925	6.396	9.231	8.111	7.701	9.968	9.574	8.26	8.346	9.866	5.722	8.273	9.213	7.659	8.008
7/23/2013 6:30	8.726	6.958	8.564	6.727	7.902	6.264	8.925	6.375	9.238	8.111	7.701	9.968	9.574	8.26	8.352	9.874	5.765	8.267	9.213	7.664	7.735
7/23/2013 6:40	8.732	6.877	8.564	6.639	7.890	6.245	8.927	6.354	9.232	8.113	7.701	9.962	9.568	8.266	8.346	9.874	5.759	8.267	9.211	7.659	7.421
7/23/2013 6:50	8.731	6.787	8.569	6.537	7.907	6.227	8.926	6.318	9.239	8.112	7.706	9.969	9.575	8.265	8.351	9.867	5.771	8.272	9.212	7.663	7.085
7/23/2013 7:00	8.732	6.697	8.564	6.433	7.902	6.208	8.919	6.269	9.232	8.113	7.706	9.970	9.568	8.266	8.352	9.874	5.789	8.273	9.219	7.668	6.741
7/23/2013 7:10	8.736	6.590	8.570	6.324	7.902	6.178	8.927	6.221	9.240	8.119	7.706	9.962	9.576	8.272	8.352	9.882	5.801	8.279	9.219	7.664	6.391
7/23/2013 7:20	8.732	6.466	8.570	6.190	7.902	6.141	8.927	6.164	9.240	8.121	7.712	9.970	9.568	8.272	8.357	9.876	5.801	8.279	9.225	7.668	5.982
7/23/2013 7:30	8.741	6.330	8.570	6.048	7.902	6.092	8.927	6.101	9.240	8.119	7.712	9.970	9.576	8.276	8.357	9.868	5.807	8.279	9.219	7.668	5.563
7/23/2013 7:40	8.728	6.177	8.560	5.885	7.892	6.032	8.917	6.001	9.230	8.117	7.702	9.960	9.566	8.266	8.348	9.864	5.785	8.269	9.215	7.658	5.09
7/23/2013 7:50	8.736	5.997	8.558	5.707	7.896	5.969	8.923	5.908	9.234	8.123	7.712	9.966	9.564	8.27	8.357	9.863	5.772	8.267	9.207	7.662	4.604

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/23/2013 8:00	8.736	5.811	8.558	5.493	7.896	5.895	8.915	5.797	9.234	8.115	7.706	9.966	9.57	8.27	8.357	9.863	5.747	8.267	9.213	7.668	4.064
7/23/2013 8:10	8.736	5.607	8.564	5.275	7.896	5.816	8.923	5.684	9.236	8.115	7.706	9.966	9.564	8.264	8.352	9.87	5.742	8.279	9.213	7.668	3.536
7/23/2013 8:20	8.730	5.367	8.558	5.028	7.902	5.722	8.923	5.542	9.229	8.115	7.706	9.972	9.57	8.264	8.352	9.864	5.699	8.273	9.207	7.668	2.944
7/23/2013 8:30	8.729	5.120	8.552	4.752	7.901	5.616	8.922	5.394	9.234	8.114	7.706	9.965	9.564	8.259	8.351	9.869	5.657	8.278	9.212	7.667	2.369
7/23/2013 8:40	8.730	4.849	8.558	4.448	7.902	5.500	8.923	5.234	9.234	8.115	7.706	9.966	9.57	8.26	8.357	9.87	5.617	8.273	9.213	7.668	1.802
7/23/2013 8:50	8.741	4.573	8.564	4.136	7.907	5.418	8.929	5.058	9.240	8.121	7.712	9.972	9.576	8.266	8.357	9.87	5.562	8.279	9.219	7.674	1.233
7/23/2013 9:00	8.730	4.282	8.558	3.815	7.913	5.232	8.923	4.863	9.234	8.115	7.712	9.979	9.557	8.26	8.363	9.87	5.497	8.284	9.207	7.674	0.719
7/23/2013 9:10	8.726	3.974	8.558	3.468	7.902	5.091	8.923	4.66	9.234	8.115	7.706	9.972	9.57	8.255	8.352	9.857	5.426	8.279	9.207	7.674	0.081
7/23/2013 9:20	8.726	3.672	8.558	3.118	7.907	4.919	8.923	4.432	9.234	8.115	7.701	9.966	9.564	8.255	8.357	9.864	5.347	8.279	9.207	7.674	-0.435
7/23/2013 9:30	8.726	3.343	8.558	2.749	7.907	4.758	8.923	4.2	9.236	8.123	7.706	9.972	9.57	8.255	8.352	9.864	5.263	8.279	9.202	7.68	-0.996
7/23/2013 9:40	8.720	3.015	8.564	2.389	7.896	4.572	8.923	3.956	9.223	8.109	7.701	9.989	9.559	8.243	8.352	9.864	5.169	8.273	9.202	7.668	-1.532
7/23/2013 9:50	8.726	2.707	8.558	2.031	7.902	4.392	8.929	3.714	9.234	8.115	7.701	9.966	9.564	8.249	8.357	9.863	5.066	8.279	9.207	7.674	-2.087
7/23/2013 10:00	8.720	2.372	8.553	1.650	7.890	4.189	8.917	3.464	9.229	8.102	7.695	9.960	9.559	8.237	8.352	9.851	4.961	8.273	9.202	7.662	-2.583
7/23/2013 10:10	8.726	2.070	8.564	1.327	7.902	4.029	8.929	3.244	9.240	8.121	7.706	9.972	9.562	8.243	8.357	9.863	4.861	8.284	9.202	7.685	-3.067
7/23/2013 10:20	8.731	1.780	8.563	1.046	7.901	3.873	8.934	3.036	9.245	8.120	7.706	9.977	9.567	8.248	8.362	9.873	4.747	8.284	9.201	7.679	-3.466
7/23/2013 10:30	8.720	1.517	8.558	0.821	7.896	3.724	8.929	2.855	9.234	8.113	7.701	9.964	9.562	8.239	8.352	9.861	4.626	8.279	9.196	7.674	-3.884
7/23/2013 10:40	8.725	1.292	8.569	0.648	7.901	3.607	8.926	2.713	9.232	8.120	7.694	9.969	9.554	8.238	8.351	9.854	4.512	8.278	9.206	7.679	-4.264
7/23/2013 10:50	8.726	1.090	8.564	0.511	7.902	3.502	8.927	2.579	9.232	8.121	7.695	9.970	9.555	8.239	8.354	9.861	4.39	8.279	9.2	7.674	-4.619
7/23/2013 11:00	8.715	0.902	8.553	0.372	7.884	3.380	8.915	2.449	9.229	8.109	7.683	9.951	9.543	8.228	8.336	9.849	4.26	8.267	9.182	7.668	-4.941
7/23/2013 11:10	8.725	0.741	8.563	0.262	7.889	3.304	8.926	2.347	9.239	8.120	7.688	9.961	9.548	8.233	8.351	9.86	4.154	8.272	9.201	7.673	-5.2
7/23/2013 11:20	8.715	0.592	8.564	0.153	7.890	3.211	8.927	2.237	9.232	8.113	7.678	9.955	9.549	8.222	8.348	9.861	4.044	8.279	9.194	7.668	-5.486
7/23/2013 11:30	8.716	0.470	8.554	0.050	7.898	3.133	8.921	2.151	9.226	8.115	7.679	9.956	9.551	8.22	8.342	9.849	3.927	8.269	9.184	7.66	-5.637
7/23/2013 11:40	8.716	0.357	8.558	-0.023	7.884	3.056	8.917	2.059	9.231	8.111	7.678	9.960	9.547	8.218	8.342	9.853	3.826	8.273	9.194	7.664	-5.675
7/23/2013 11:50	8.724	0.255	8.560	-0.088	7.898	2.991	8.925	1.994	9.230	8.119	7.679	9.968	9.549	8.226	8.338	9.858	3.722	8.278	9.196	7.666	-5.794
7/23/2013 12:00	8.721	0.168	8.562	-0.154	7.894	2.944	8.935	1.919	9.233	8.121	7.676	9.962	9.544	8.217	8.335	9.855	3.623	8.281	9.198	7.674	-5.807
7/23/2013 12:10	8.705	0.078	8.547	-0.229	7.879	2.840	8.925	1.827	9.217	8.104	7.660	9.953	9.534	8.201	8.319	9.845	3.514	8.26	9.182	7.659	-5.725
7/23/2013 12:20	8.722	0.034	8.555	-0.246	7.890	2.796	8.929	1.778	9.229	8.115	7.660	9.958	9.545	8.207	8.336	9.857	3.432	8.277	9.182	7.664	-5.576
7/23/2013 12:30	8.722	-0.001	8.560	-0.273	7.896	2.741	8.935	1.724	9.240	8.113	7.666	9.964	9.545	8.209	8.336	9.849	3.349	8.277	9.188	7.664	-5.341
7/23/2013 12:40	8.716	-0.028	8.558	-0.306	7.890	2.685	8.935	1.674	9.227	8.106	7.660	9.964	9.538	8.203	8.336	9.849	3.261	8.271	9.182	7.653	-5.166
7/23/2013 12:50	8.716	-0.037	8.555	-0.300	7.890	2.649	8.935	1.63	9.232	8.119	7.664	9.955	9.551	8.209	8.342	9.855	3.185	8.271	9.188	7.659	-4.891
7/23/2013 13:00	8.711	-0.039	8.553	-0.306	7.883	2.603	8.933	1.581	9.223	8.110	7.657	9.961	9.536	8.201	8.335	9.846	3.101	8.269	9.187	7.651	-4.519
7/23/2013 13:10	8.711	-0.012	8.553	-0.286	7.889	2.553	8.925	1.548	9.223	8.110	7.651	9.953	9.542	8.19	8.323	9.846	3.03	8.264	9.179	7.647	-4.186
7/23/2013 13:20	8.711	0.030	8.547	-0.254	7.877	2.523	8.925	1.519	9.223	8.104	7.651	9.945	9.542	8.19	8.323	9.84	2.965	8.252	9.179	7.647	-3.803
7/23/2013 13:30	8.713	0.099	8.549	-0.185	7.884	2.499	8.933	1.506	9.223	8.111	7.647	9.953	9.543	8.193	8.319	9.853	2.907	8.26	9.188	7.649	-3.381
7/23/2013 13:40	8.705	0.187	8.541	-0.082	7.883	2.479	8.931	1.502	9.221	8.102	7.640	9.945	9.534	8.186	8.317	9.851	2.854	8.258	9.181	7.642	-2.984
7/23/2013 13:50	8.717	0.323	8.547	0.110	7.877	2.490	8.929	1.542	9.221	8.108	7.645	9.957	9.54	8.186	8.323	9.849	2.8	8.258	9.181	7.647	-2.462
7/23/2013 14:00	8.717	0.474	8.559	0.297	7.877	2.515	8.927	1.611	9.227	8.106	7.645	9.957	9.54	8.186	8.317	9.855	2.764	8.258	9.185	7.647	-2.058
7/23/2013 14:10	8.711	0.637	8.553	0.496	7.871	2.559	8.935	1.688	9.227	8.113	7.634	9.949	9.532	8.18	8.317	9.842	2.724	8.264	9.185	7.642	-1.583
7/23/2013 14:20	8.707	0.830	8.549	0.728	7.873	2.609	8.929	1.781	9.229	8.107	7.636	9.943	9.541	8.182	8.319	9.843	2.702	8.26	9.18	7.643	-1.078
7/23/2013 14:30	8.718	1.040	8.555	0.984	7.879	2.677	8.935	1.902	9.234	8.113	7.636	9.956	9.547	8.178	8.325	9.863	2.683	8.265	9.186	7.649	-0.533
7/23/2013 14:40	8.713	1.262	8.543	1.241	7.879	2.748	8.935	2.028	9.227	8.113	7.637	9.956	9.539	8.178	8.319	9.849	2.672	8.265	9.18	7.649	-0.001
7/23/2013 14:50	8.717	1.483	8.541	1.495	7.875	2.833	8.927	2.153	9.225	8.112	7.628	9.955	9.538	8.171	8.312	9.848	2.67	8.258	9.179	7.642	0.556
7/23/2013 15:00	8.718	1.743	8.549	1.786	7.883	2.938	8.935	2.298	9.219	8.119	7.630	9.955	9.539	8.172	8.319	9.855	2.683	8.265	9.18	7.649	1.136
7/23/2013 15:10	8.715	1.989	8.543	2.065	7.877	3.043	8.935	2.451	9.225	8.111	7.630	9.955	9.539	8.172	8.313	9.855	2.695	8.254	9.18	7.639	1.737
7/23/2013 15:20	8.719	2.254	8.547	2.334	7.875	3.147	8.939	2.607	9.229	8.108	7.628	9.959	9.536	8.171	8.314	9.851	2.724	8.258	9.185	7.644	2.307
7/23/2013 15:30	8.707	2.506	8.541	2.605	7.871	3.258	8.939	2.771	9.223	8.102	7.628	9.951	9.53	8.165	8.308	9.846	2.747	8.258	9.185	7.638	2.86
7/23/2013 15:40	8.709	2.768	8.549	2.871	7.873	3.370	8.925	2.934	9.225	8.104	7.624	9.947	9.524	8.167	8.304	9.847	2.79	8.248	9.186	7.639	3.415
7/23/2013 15:50	8.703	3.008	8.543	3.124	7.867	3.481	8.925	3.081	9.225	8.104	7.618	9.947	9.532	8.163	8.31	9.847	2.831	8.254	9.186	7.634	3.926
7/23/2013 16:00	8.709	3.276	8.549	3.382	7.873	3.619	8.936	3.251	9.229	8.115	7.630	9.958	9.53	8.174	8.315	9.859	2.901	8.265	9.192	7.639	4.468
7/23/2013 16:10	8.698	3.511	8.536	3.610	7.866	3.713	8.921	3.405	9.221	8.108	7.617	9.943	9.523	8.161	8.308	9.851	2.94	8.246	9.179	7.632	5.006
7/23/2013 16:20	8.694	3.744	8.537	3.843	7.861	3.824	8.923	3.561	9.215	8.102	7.613	9.945	9.524	8.157	8.304	9.84	3.007	8.248	9.18	7.628	5.459
7/23/2013 16:30	8.699	3.949	8.532	4.037	7.861	3.927	8.923	3.697	9.215	8.102	7.613	9.974	9.517	8.157	8.304	9.84	3.083	8.248	9.18	7.628	5.796
7/23/2013 16:40	8.699	4.196	8.537	4.268	7.867	4.038	8.921	3.85	9.213	8.107	7.613	9.943	9.543	8.163	8.304	9.851	3.154	8.248	9.18	7.628	6.34
7/23/2013 16:50	8.699	4.407	8.537	4.471	7.867	4.157	8.935	3.996	9.219	8.098	7.613	9.949	9.482	8.163	8.298	9.857	3.236	8.248	9.18	7.634	6.711
7/23/2013 17:00	8.699	4.611	8.537	4.674	7.861	4.254	8.927	4.137	9.219	8.106	7.613	9.941	9.501	8.151	8.298	9.843	3.288	8.248	9.18	7.628	7.122
7/23/2013 17:10	8.703	4.815	8.536	4.843	7.860	4.350	8.925	4.272	9.217	8.102	7.622	9.974	9.492	8.155	8.296	9.853	3.374	8.246	9.185	7.626	7.423
7/23/2013 17:20	8.694	5.008	8.532	5.032	7.856	4.457	8.921	4.415	9.213	8.098	7.613	9.941	9.495	8.147	8.287	9.857	3.453	8.242	9.186	7.616	7.846
7/23/2013 17:30	8.709	5.190	8.530	5.201	7.860	4.567	8.923	4.543	9.216	8.108	7.622	9.951	9.505	8.161	8.296	9.853	3.552	8.252	9.19	7.622	8.12
7/23/2013 17:40	8.699	5.369	8.526	5.373	7.861	4.660	8.919	4.666	9.219	8.104	7.618	9.947	9.507	8.157	8.298	9.863	3.642	8.254	9.186	7.622	8.41
7/23/2013 17:50	8.705	5.526	8.526	5.518	7.861	4.752	8.925	4.784	9.225	8.102	7.618	9.947	9.513	8.159	8.298	9.861	3.699	8.254	9.192	7.628	8.617
7/23/2013 18:00	8.699	5.670	8.520	5.644	7.844	4.832	8.919	4.889	9.211	8.090	7.613	9.941	9.501	8.153	8.287	9.855	3.776	8.237	9.173	7.622	8.808
7/23/2013 18:10	8.705	5.819	8.526	5.784	7.850	4.928	8.925	4.999	9.210	8.096	7.618	9.939	9.513	8.153	8.292	9.855	3.87	8.248	9.173	7.624	9.03
7/23/2013 18:20	8.709	5.948	8.524	5.891	7.854	5.018	8.929	5.104	9.221	8.100	7.622	9.943	9.517	8.157	8.302	9.859	3.956	8.252	9.188	7.622	9.161
7/23/2013 18:30	8.705	6.053	8.526	5.991	7.867	5.085	8.925	5.188	9.217	8.096	7.618	9.939	9.507	8.159	8.292	9.855	4.048	8.248	9.184	7.618	9.22
7/23/2013 18:40	8.703	6.160	8.530	6.071	7.848	5.164	8.923	5.284	9.216	8.102	7.622	9.938	9.511	8.157	8.296	9.853	4.127	8.246	9.183	7.622	9.302
7/23/2013 18:50	8.699	6.252	8.526	6.151	7.856	5.223	8.919	5.355	9.211	8.098	7.618	9.934	9.507	8.157	8.298	9.849	4.207	8.242	9.173	7.613	9.375
7/23/2013 19:00	8.695	6.320	8.526	6.205	7.856	5.294	8.919	5.425	9.219	8.098	7.618	9.934	9.501	8.157	8.298	9.849	4.289	8.237	9.18	7.622	9.27
7/23/2013 19:10	8.699	6.389	8.520	6.261	7.856	5.345	8.921	5.488	9.213	8.092	7.607	9.935	9.501	8.151	8.298	9.843	4.365	8.237	9.167	7.616	9.306
7/23/2013 19:20	8.698	6.449	8.518	6.297	7.854	5.403	8.925	5.55	9.217	8.096	7.622	9.940	9.513	8.161	8.302	9.853	4.446	8.241	9.171	7.621	9.205
7/23/2013 19:30	8.694	6.485	8.526	6.335	7.850	5.451	8.913	5.601	9.213	8.092	7.624	9.928	9.501	8.163	8.298	9.843	4.511	8.242	9.18	7.622	9.153
7/23/2013 19:40	8.698	6.516	8.518	6.351	7.860	5.495	8.925	5.655	9.217	8.089	7.628	9.932	9.513	8.173	8.302	9.853	4.586	8.235	9.185	7.621	8.996
7/23/2013 19:50	8.694	6.533	8.514	6.364	7.856	5.535	8.913	5.689	9.206	8.092	7.630	9.928	9.509	8.163	8.31	9.843	4.647	8.231	9.18	7.616	8.914
7/23/2013 20:00	8.698	6.545	8.518	6.362	7.860	5.566	8.925	5.718	9.217	8.089	7.634	9.932	9.505	8.173	8.319	9.848	4.71	8.235	9.19	7.621	8.723
7/23/2013 20:10	8.698	6.550	8.518	6.356	7.860	5.600	8.925	5.745	9.210	8.089	7.634	9.940	9.505	8.178	8.319	9.853	4.77	8.246	9.185	7.626	8.596

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/23/2013 20:20	8.709	6.543	8.530	6.347	7.871	5.631	8.923	5.766	9.223	8.102	7.640	9.945	9.511	8.19	8.329	9.867	4.833	8.252	9.19	7.632	8.349
7/23/2013 20:30	8.694	6.514	8.532	6.303	7.856	5.640	8.915	5.772	9.208	8.092	7.630	9.930	9.495	8.178	8.313	9.851	4.871	8.237	9.18	7.628	8.183
7/23/2013 20:40	8.709	6.497	8.524	6.280	7.860	5.652	8.920	5.782	9.217	8.096	7.640	9.934	9.507	8.188	8.323	9.849	4.923	8.246	9.19	7.626	7.99
7/23/2013 20:50	8.699	6.458	8.520	6.243	7.861	5.661	8.921	5.781	9.213	8.100	7.641	9.930	9.503	8.189	8.325	9.859	4.959	8.242	9.192	7.634	7.788
7/23/2013 21:00	8.705	6.418	8.532	6.194	7.867	5.667	8.921	5.777	9.221	8.100	7.647	9.935	9.517	8.195	8.331	9.859	5.001	8.242	9.192	7.639	7.559
7/23/2013 21:10	8.694	6.359	8.526	6.138	7.861	5.661	8.910	5.764	9.210	8.096	7.636	9.939	9.505	8.189	8.325	9.853	5.03	8.237	9.175	7.634	7.318
7/23/2013 21:20	8.694	6.292	8.520	6.056	7.856	5.650	8.912	5.737	9.211	8.090	7.636	9.934	9.499	8.188	8.325	9.834	5.053	8.237	9.175	7.634	7.004
7/23/2013 21:30	8.694	6.244	8.520	5.996	7.861	5.653	8.912	5.724	9.211	8.083	7.636	9.934	9.499	8.193	8.331	9.847	5.089	8.237	9.18	7.637	6.764
7/23/2013 21:40	8.697	6.162	8.520	5.914	7.867	5.648	8.912	5.695	9.219	8.090	7.649	9.934	9.505	8.199	8.336	9.855	5.106	8.248	9.192	7.643	6.468
7/23/2013 21:50	8.703	6.085	8.532	5.839	7.867	5.629	8.919	5.661	9.219	8.098	7.649	9.941	9.505	8.205	8.336	9.849	5.123	8.242	9.18	7.643	6.179
7/23/2013 22:00	8.697	5.970	8.520	5.717	7.861	5.602	8.913	5.613	9.219	8.092	7.647	9.935	9.499	8.199	8.336	9.857	5.137	8.248	9.186	7.637	5.796
7/23/2013 22:10	8.690	5.861	8.518	5.608	7.854	5.573	8.906	5.561	9.212	8.092	7.642	9.928	9.5	8.203	8.329	9.842	5.141	8.246	9.179	7.636	5.473
7/23/2013 22:20	8.697	5.754	8.532	5.501	7.861	5.537	8.908	5.508	9.213	8.094	7.653	9.930	9.507	8.203	8.336	9.857	5.148	8.254	9.182	7.649	5.13
7/23/2013 22:30	8.701	5.662	8.524	5.394	7.860	5.504	8.920	5.462	9.217	8.098	7.653	9.940	9.505	8.207	8.346	9.855	5.152	8.258	9.179	7.659	4.832
7/23/2013 22:40	8.692	5.517	8.526	5.258	7.861	5.454	8.910	5.379	9.208	8.088	7.643	9.930	9.501	8.197	8.336	9.845	5.143	8.248	9.169	7.643	4.441
7/23/2013 22:50	8.697	5.398	8.532	5.133	7.867	5.416	8.915	5.32	9.221	8.107	7.660	9.930	9.507	8.209	8.348	9.857	5.143	8.254	9.186	7.649	4.079
7/23/2013 23:00	8.692	5.262	8.526	4.997	7.861	5.361	8.910	5.244	9.210	8.102	7.643	9.930	9.501	8.199	8.342	9.838	5.118	8.248	9.175	7.643	3.777
7/23/2013 23:10	8.697	5.145	8.532	4.881	7.861	5.311	8.915	5.175	9.221	8.100	7.655	9.935	9.507	8.203	8.342	9.857	5.112	8.26	9.186	7.655	3.509
7/23/2013 23:20	8.697	5.015	8.526	4.749	7.861	5.263	8.917	5.096	9.210	8.102	7.643	9.930	9.501	8.203	8.342	9.845	5.083	8.248	9.18	7.649	3.231
7/23/2013 23:30	8.697	4.891	8.532	4.618	7.867	5.206	8.923	5.018	9.213	8.107	7.649	9.935	9.507	8.205	8.342	9.857	5.072	8.254	9.18	7.655	2.971
7/23/2013 23:40	8.696	4.780	8.536	4.510	7.866	5.156	8.914	4.947	9.219	8.106	7.653	9.928	9.505	8.207	8.34	9.863	5.039	8.258	9.185	7.653	2.774
7/23/2013 23:50	8.692	4.667	8.526	4.393	7.867	5.100	8.917	4.866	9.215	8.102	7.643	9.930	9.509	8.197	8.342	9.851	5.007	8.254	9.169	7.659	2.594
7/24/2013 0:00	8.692	4.552	8.526	4.287	7.861	5.039	8.912	4.792	9.210	8.104	7.641	9.924	9.495	8.197	8.342	9.847	4.972	8.248	9.175	7.653	2.41
7/24/2013 0:10	8.690	4.455	8.524	4.200	7.860	4.990	8.910	4.719	9.208	8.094	7.642	9.922	9.501	8.201	8.34	9.844	4.934	8.246	9.173	7.647	2.3
7/24/2013 0:20	8.696	4.392	8.530	4.138	7.871	4.946	8.916	4.668	9.221	8.108	7.642	9.936	9.507	8.201	8.346	9.857	4.911	8.252	9.185	7.657	2.25
7/24/2013 0:30	8.692	4.319	8.532	4.075	7.867	4.911	8.917	4.612	9.223	8.102	7.641	9.930	9.509	8.199	8.342	9.851	4.871	8.248	9.18	7.655	2.21
7/24/2013 0:40	8.701	4.279	8.536	4.039	7.871	4.882	8.921	4.574	9.219	8.106	7.645	9.934	9.513	8.207	8.346	9.857	4.852	8.252	9.185	7.659	2.21
7/24/2013 0:50	8.703	4.234	8.537	4.014	7.873	4.855	8.923	4.541	9.221	8.107	7.649	9.930	9.507	8.209	8.348	9.857	4.819	8.26	9.192	7.66	2.231
7/24/2013 1:00	8.703	4.200	8.526	3.987	7.873	4.823	8.915	4.507	9.221	8.107	7.649	9.935	9.507	8.205	8.354	9.851	4.777	8.254	9.182	7.66	2.265
7/24/2013 1:10	8.705	4.193	8.536	3.991	7.871	4.804	8.914	4.484	9.212	8.106	7.645	9.934	9.505	8.203	8.34	9.849	4.747	8.258	9.179	7.659	2.369
7/24/2013 1:20	8.707	4.187	8.532	4.006	7.873	4.785	8.915	4.47	9.221	8.107	7.641	9.930	9.507	8.209	8.342	9.851	4.718	8.254	9.18	7.66	2.449
7/24/2013 1:30	8.709	4.213	8.537	4.040	7.879	4.785	8.921	4.476	9.227	8.113	7.655	9.941	9.513	8.214	8.354	9.863	4.7	8.265	9.192	7.66	2.606
7/24/2013 1:40	8.701	4.238	8.530	4.087	7.877	4.789	8.920	4.482	9.233	8.112	7.647	9.934	9.511	8.213	8.346	9.861	4.67	8.264	9.185	7.659	2.782
7/24/2013 1:50	8.709	4.282	8.537	4.146	7.879	4.798	8.921	4.507	9.219	8.113	7.653	9.941	9.513	8.211	8.348	9.849	4.654	8.26	9.18	7.66	2.985
7/24/2013 2:00	8.703	4.343	8.532	4.207	7.879	4.811	8.921	4.522	9.219	8.113	7.647	9.935	9.513	8.211	8.348	9.849	4.635	8.26	9.186	7.666	3.187
7/24/2013 2:10	8.713	4.401	8.541	4.290	7.883	4.835	8.925	4.551	9.223	8.117	7.651	9.945	9.524	8.215	8.352	9.861	4.628	8.269	9.185	7.665	3.396
7/24/2013 2:20	8.715	4.491	8.543	4.385	7.884	4.859	8.927	4.602	9.225	8.119	7.653	9.947	9.526	8.216	8.354	9.855	4.618	8.265	9.192	7.666	3.668
7/24/2013 2:30	8.701	4.571	8.541	4.473	7.877	4.884	8.920	4.629	9.217	8.119	7.651	9.940	9.519	8.213	8.346	9.848	4.605	8.264	9.185	7.659	3.926
7/24/2013 2:40	8.713	4.655	8.543	4.573	7.879	4.917	8.929	4.687	9.227	8.113	7.653	9.941	9.52	8.214	8.342	9.863	4.612	8.265	9.186	7.66	4.186
7/24/2013 2:50	8.717	4.757	8.547	4.682	7.883	4.957	8.933	4.748	9.231	8.117	7.657	9.945	9.524	8.218	8.352	9.867	4.616	8.269	9.19	7.67	4.449
7/24/2013 3:00	8.705	4.849	8.536	4.785	7.877	4.990	8.921	4.802	9.219	8.106	7.645	9.934	9.513	8.207	8.34	9.842	4.611	8.258	9.185	7.653	4.738
7/24/2013 3:10	8.707	4.967	8.543	4.907	7.884	5.039	8.923	4.872	9.221	8.115	7.647	9.943	9.528	8.209	8.348	9.851	4.624	8.265	9.18	7.666	5.042
7/24/2013 3:20	8.711	5.081	8.547	5.032	7.889	5.087	8.927	4.943	9.225	8.119	7.651	9.955	9.524	8.218	8.358	9.863	4.647	8.275	9.185	7.67	5.331
7/24/2013 3:30	8.697	5.186	8.537	5.137	7.884	5.133	8.917	5.002	9.223	8.109	7.641	9.945	9.515	8.203	8.342	9.859	4.654	8.265	9.18	7.66	5.628
7/24/2013 3:40	8.705	5.314	8.541	5.262	7.889	5.192	8.927	5.087	9.227	8.113	7.651	9.941	9.526	8.218	8.346	9.857	4.682	8.269	9.187	7.665	5.942
7/24/2013 3:50	8.707	5.432	8.543	5.384	7.884	5.248	8.931	5.159	9.223	8.117	7.653	9.945	9.528	8.214	8.348	9.851	4.706	8.271	9.188	7.66	6.267
7/24/2013 4:00	8.711	5.569	8.547	5.522	7.883	5.304	8.921	5.242	9.227	8.123	7.657	9.951	9.526	8.218	8.346	9.857	4.735	8.269	9.19	7.663	6.592
7/24/2013 4:10	8.717	5.691	8.547	5.631	7.889	5.363	8.929	5.317	9.229	8.123	7.651	9.943	9.521	8.218	8.346	9.851	4.77	8.275	9.19	7.663	6.822
7/24/2013 4:20	8.713	5.796	8.543	5.742	7.884	5.410	8.917	5.391	9.225	8.119	7.653	9.947	9.517	8.214	8.342	9.861	4.796	8.26	9.186	7.659	7.073
7/24/2013 4:30	8.701	5.934	8.537	5.866	7.879	5.468	8.919	5.458	9.225	8.113	7.647	9.941	9.517	8.209	8.331	9.847	4.836	8.26	9.18	7.653	7.362
7/24/2013 4:40	8.701	6.043	8.532	5.972	7.879	5.533	8.912	5.536	9.225	8.113	7.647	9.941	9.517	8.209	8.331	9.855	4.873	8.26	9.188	7.649	7.597
7/24/2013 4:50	8.714	6.161	8.545	6.088	7.880	5.586	8.921	5.62	9.226	8.115	7.654	9.935	9.518	8.21	8.332	9.855	4.92	8.267	9.19	7.656	7.842
7/24/2013 5:00	8.711	6.281	8.541	6.194	7.883	5.656	8.923	5.694	9.229	8.110	7.663	9.951	9.521	8.218	8.34	9.859	4.971	8.269	9.192	7.668	8.057
7/24/2013 5:10	8.705	6.382	8.541	6.293	7.889	5.705	8.931	5.762	9.229	8.117	7.657	9.945	9.521	8.218	8.34	9.859	5.016	8.269	9.192	7.663	8.252
7/24/2013 5:20	8.701	6.462	8.526	6.366	7.873	5.755	8.921	5.823	9.219	8.106	7.653	9.935	9.518	8.212	8.336	9.863	5.043	8.267	9.188	7.653	8.382
7/24/2013 5:30	8.707	6.564	8.537	6.471	7.890	5.816	8.927	5.898	9.225	8.113	7.664	9.941	9.524	8.218	8.336	9.855	5.1	8.265	9.188	7.659	8.575
7/24/2013 5:40	8.707	6.646	8.537	6.527	7.884	5.866	8.927	5.969	9.225	8.113	7.664	9.947	9.524	8.224	8.342	9.855	5.154	8.265	9.188	7.659	8.611
7/24/2013 5:50	8.717	6.725	8.547	6.603	7.889	5.916	8.939	6.023	9.229	8.117	7.676	9.951	9.534	8.234	8.34	9.88	5.231	8.269	9.198	7.668	8.694
7/24/2013 6:00	8.713	6.782	8.543	6.649	7.884	5.960	8.935	6.074	9.225	8.113	7.672	9.947	9.53	8.23	8.342	9.855	5.255	8.265	9.194	7.67	8.736
7/24/2013 6:10	8.707	6.820	8.539	6.670	7.880	5.982	8.925	6.106	9.215	8.109	7.668	9.945	9.528	8.231	8.338	9.858	5.293	8.267	9.184	7.66	8.678
7/24/2013 6:20	8.718	6.860	8.545	6.699	7.892	6.023	8.930	6.147	9.228	8.115	7.674	9.950	9.533	8.237	8.344	9.858	5.347	8.273	9.196	7.672	8.621
7/24/2013 6:30	8.711	6.874	8.537	6.697	7.879	6.048	8.923	6.168	9.213	8.107	7.672	9.943	9.539	8.235	8.342	9.851	5.376	8.265	9.182	7.664	8.537
7/24/2013 6:40	8.699	6.875	8.532	6.691	7.879	6.061	8.923	6.183	9.215	8.109	7.666	9.937	9.534	8.233	8.342	9.851	5.418	8.265	9.177	7.659	8.378
7/24/2013 6:50	8.711	6.874	8.543	6.685	7.879	6.084	8.923	6.21	9.221	8.115	7.678	9.943	9.539	8.239	8.348	9.851	5.46	8.271	9.188	7.67	8.263
7/24/2013 7:00	8.699	6.847	8.532	6.636	7.873	6.086	8.917	6.212	9.223	8.109	7.672	9.945	9.534	8.239	8.342	9.851	5.477	8.265	9.182	7.664	8.02
7/24/2013 7:10	8.715	6.822	8.536	6.590	7.883	6.102	8.927	6.208	9.233	8.112	7.682	9.947	9.576	8.249	8.358	9.853	5.529	8.275	9.192	7.674	7.771
7/24/2013 7:20	8.705	6.757	8.543	6.532	7.879	6.097	8.929	6.202	9.221	8.115	7.683	9.951	9.559	8.251	8.348	9.857	5.556	8.271	9.188	7.67	7.543
7/24/2013 7:30	8.711	6.682	8.537	6.448	7.879	6.086	8.923	6.168	9.215	8.102	7.678	9.937	9.539	8.245	8.342	9.851	5.585	8.273	9.182	7.664	7.195
7/24/2013 7:40	8.709	6.612	8.541	6.366	7.887	6.071	8.935	6.143	9.219	8.106	7.688	9.949	9.597	8.249	8.346	9.849	5.608	8.283	9.187	7.674	6.885
7/24/2013 7:50	8.705	6.506	8.537	6.272	7.879	6.053	8.931	6.099	9.223	8.109	7.683	9.937	9.499	8.245	8.348	9.845	5.621	8.265	9.182	7.664	6.537
7/24/2013 8:00	8.721	6.413	8.547	6.178	7.889	6.027	8.941	6.067	9.225	8.112	7.699	9.962	9.523	8.255	8.363	9.861	5.65	8.283	9.192	7.68	6.206
7/24/2013 8:10	8.715	6.304	8.553	6.054	7.889	6.008	8.941	6.011	9.225	8.112	7.699	9.955	9.53	8.255	8.367	9.861	5.65	8.283	9.187	7.68	5.821
7/24/2013 8:20	8.712	6.171	8.545	5.912	7.886	5.956	8.932	5.946	9.225	8.111	7.691	9.947	9.522	8.252	8.359	9.853	5.647	8.28	9.184	7.677	5.453
7/24/2013 8:30	8.711	6.047	8.537	5.772	7.879	5.906	8.923	5.873	9.223	8.109	7.689	9.945	9.553	8.245	8.357	9.851	5.646	8.265	9.177	7.676	5.027

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/24/2013 8:40	8.705	5.876	8.537	5.593	7.873	5.845	8.925	5.77	9.217	8.104	7.683	9.939	9.534	8.239	8.346	9.851	5.634	8.267	9.177	7.664	4.564
7/24/2013 8:50	8.705	5.704	8.537	5.413	7.879	5.784	8.931	5.688	9.223	8.109	7.689	9.945	9.539	8.251	8.357	9.851	5.621	8.273	9.182	7.67	4.041
7/24/2013 9:00	8.711	5.526	8.537	5.204	7.879	5.709	8.931	5.575	9.223	8.109	7.689	9.953	9.574	8.245	8.363	9.851	5.592	8.273	9.182	7.676	3.496
7/24/2013 9:10	8.705	5.302	8.532	4.978	7.879	5.629	8.931	5.454	9.223	8.109	7.689	9.989	9.547	8.245	8.363	9.843	5.567	8.265	9.182	7.67	2.988
7/24/2013 9:20	8.705	5.076	8.543	4.720	7.879	5.529	8.923	5.314	9.223	8.109	7.689	9.945	9.534	8.239	8.363	9.838	5.508	8.277	9.182	7.67	2.422
7/24/2013 9:30	8.709	4.813	8.536	4.441	7.883	5.416	8.935	5.156	9.219	8.113	7.688	9.949	9.544	8.243	8.362	9.849	5.482	8.275	9.187	7.668	1.898
7/24/2013 9:40	8.707	4.558	8.545	4.144	7.884	5.295	8.930	4.991	9.223	8.109	7.691	9.952	9.547	8.241	8.359	9.845	5.443	8.273	9.184	7.677	1.31
7/24/2013 9:50	8.709	4.292	8.536	3.847	7.887	5.168	8.933	4.811	9.225	8.119	7.693	9.955	9.536	8.24	8.358	9.853	5.386	8.269	9.187	7.68	0.792
7/24/2013 10:00	8.701	3.993	8.532	3.514	7.877	5.022	8.923	4.618	9.221	8.115	7.683	9.935	9.532	8.23	8.354	9.836	5.317	8.265	9.182	7.676	0.257
7/24/2013 10:10	8.718	3.704	8.549	3.191	7.900	4.892	8.940	4.432	9.231	8.125	7.695	9.960	9.549	8.247	8.371	9.861	5.261	8.282	9.194	7.687	-0.292
7/24/2013 10:20	8.711	3.394	8.536	2.837	7.883	4.722	8.933	4.207	9.216	8.117	7.693	9.945	9.528	8.234	8.363	9.853	5.166	8.275	9.181	7.674	-0.845
7/24/2013 10:30	8.697	3.080	8.533	2.480	7.869	4.549	8.925	3.974	9.215	8.109	7.679	9.945	9.52	8.226	8.344	9.837	5.079	8.267	9.173	7.666	-1.364
7/24/2013 10:40	8.697	2.772	8.533	2.146	7.869	4.367	8.925	3.739	9.207	8.109	7.674	9.937	9.52	8.22	8.349	9.837	4.985	8.255	9.159	7.654	-1.825
7/24/2013 10:50	8.707	2.481	8.543	1.803	7.884	4.205	8.935	3.517	9.217	8.119	7.683	9.947	9.53	8.23	8.359	9.847	4.896	8.271	9.171	7.67	-2.326
7/24/2013 11:00	8.701	2.164	8.543	1.478	7.879	4.038	8.929	3.28	9.211	8.121	7.683	9.941	9.532	8.218	8.354	9.836	4.79	8.26	9.175	7.664	-2.757
7/24/2013 11:10	8.700	1.883	8.534	1.180	7.871	3.859	8.921	3.062	9.212	8.106	7.676	9.934	9.511	8.211	8.346	9.834	4.676	8.26	9.164	7.657	-3.141
7/24/2013 11:20	8.700	1.624	8.536	0.927	7.877	3.721	8.927	2.894	9.210	8.127	7.676	9.940	9.517	8.217	8.352	9.834	4.565	8.266	9.173	7.657	-3.522
7/24/2013 11:30	8.701	1.390	8.541	0.733	7.884	3.617	8.935	2.733	9.219	8.121	7.678	9.935	9.518	8.218	8.359	9.842	4.454	8.273	9.175	7.664	-3.89
7/24/2013 11:40	8.695	1.178	8.530	0.565	7.879	3.470	8.917	2.587	9.208	8.109	7.672	9.930	9.507	8.201	8.336	9.838	4.325	8.256	9.158	7.647	-4.215
7/24/2013 11:50	8.697	1.007	8.527	0.433	7.875	3.370	8.919	2.464	9.209	8.111	7.662	9.931	9.509	8.203	8.344	9.839	4.222	8.257	9.161	7.654	-4.474
7/24/2013 12:00	8.695	0.849	8.526	0.330	7.879	3.284	8.923	2.356	9.213	8.115	7.666	9.935	9.505	8.207	8.342	9.83	4.113	8.261	9.169	7.653	-4.722
7/24/2013 12:10	8.694	0.698	8.528	0.219	7.871	3.185	8.921	2.251	9.214	8.108	7.659	9.936	9.498	8.195	8.329	9.821	3.994	8.254	9.162	7.645	-4.925
7/24/2013 12:20	8.701	0.575	8.535	0.132	7.879	3.112	8.923	2.158	9.213	8.123	7.666	9.943	9.505	8.203	8.348	9.843	3.897	8.261	9.169	7.653	-5.076
7/24/2013 12:30	8.690	0.453	8.520	0.046	7.873	3.026	8.917	2.065	9.208	8.109	7.655	9.924	9.486	8.197	8.336	9.838	3.797	8.256	9.163	7.641	-5.145
7/24/2013 12:40	8.690	0.361	8.532	-0.017	7.867	2.970	8.923	1.994	9.213	8.115	7.660	9.930	9.451	8.197	8.342	9.828	3.678	8.254	9.154	7.647	-5.182
7/24/2013 12:50	8.701	0.298	8.532	-0.070	7.879	2.907	8.929	1.927	9.219	8.113	7.659	9.928	9.465	8.197	8.342	9.842	3.59	8.26	9.163	7.653	-5.119
7/24/2013 13:00	8.701	0.225	8.532	-0.120	7.873	2.840	8.929	1.845	9.211	8.113	7.659	9.935	9.478	8.197	8.348	9.828	3.479	8.26	9.163	7.653	-5.023
7/24/2013 13:10	8.694	0.168	8.530	-0.154	7.871	2.770	8.927	1.791	9.217	8.112	7.645	9.934	9.482	8.19	8.329	9.84	3.388	8.258	9.156	7.647	-4.9
7/24/2013 13:20	8.700	0.154	8.536	-0.170	7.871	2.729	8.925	1.741	9.216	8.117	7.651	9.932	9.488	8.19	8.34	9.832	3.311	8.258	9.167	7.653	-4.642
7/24/2013 13:30	8.701	0.135	8.532	-0.180	7.867	2.681	8.921	1.682	9.206	8.113	7.636	9.928	9.484	8.186	8.336	9.834	3.231	8.254	9.163	7.649	-4.428
7/24/2013 13:40	8.700	0.133	8.524	-0.185	7.866	2.624	8.927	1.64	9.212	8.112	7.634	9.934	9.482	8.184	8.329	9.832	3.147	8.252	9.156	7.647	-4.148
7/24/2013 13:50	8.695	0.162	8.526	-0.158	7.867	2.595	8.927	1.617	9.217	8.113	7.641	9.934	9.49	8.188	8.331	9.834	3.079	8.254	9.158	7.643	-3.802
7/24/2013 14:00	8.701	0.217	8.526	-0.103	7.867	2.568	8.927	1.592	9.211	8.106	7.641	9.926	9.49	8.176	8.331	9.826	3.02	8.248	9.158	7.637	-3.387
7/24/2013 14:10	8.690	0.279	8.532	-0.019	7.867	2.536	8.919	1.584	9.211	8.111	7.632	9.934	9.484	8.176	8.331	9.82	2.949	8.248	9.158	7.637	-3.075
7/24/2013 14:20	8.700	0.384	8.530	0.121	7.860	2.540	8.923	1.604	9.216	8.110	7.630	9.930	9.488	8.174	8.329	9.825	2.9	8.252	9.162	7.642	-2.67
7/24/2013 14:30	8.700	0.514	8.530	0.309	7.866	2.553	8.923	1.65	9.216	8.117	7.624	9.930	9.48	8.169	8.323	9.825	2.848	8.252	9.162	7.642	-2.225
7/24/2013 14:40	8.695	0.675	8.532	0.504	7.867	2.576	8.925	1.72	9.217	8.111	7.630	9.924	9.49	8.17	8.325	9.832	2.808	8.248	9.158	7.643	-1.767
7/24/2013 14:50	8.686	0.837	8.520	0.695	7.867	2.633	8.917	1.804	9.210	8.104	7.615	9.924	9.482	8.165	8.319	9.819	2.771	8.242	9.158	7.632	-1.327
7/24/2013 15:00	8.684	1.027	8.524	0.940	7.871	2.685	8.921	1.902	9.206	8.108	7.619	9.928	9.48	8.165	8.312	9.828	2.752	8.246	9.162	7.636	-0.812
7/24/2013 15:10	8.697	1.232	8.526	1.183	7.873	2.760	8.923	2.015	9.213	8.115	7.632	9.935	9.48	8.172	8.319	9.83	2.743	8.248	9.163	7.637	-0.296
7/24/2013 15:20	8.696	1.456	8.524	1.432	7.871	2.833	8.927	2.153	9.225	8.112	7.636	9.940	9.498	8.176	8.323	9.826	2.741	8.258	9.162	7.647	0.219
7/24/2013 15:30	8.692	1.683	8.526	1.690	7.873	2.930	8.929	2.281	9.219	8.106	7.624	9.928	9.494	8.172	8.319	9.828	2.737	8.254	9.163	7.643	0.782
7/24/2013 15:40	8.692	1.922	8.526	1.962	7.867	3.022	8.921	2.421	9.213	8.106	7.624	9.928	9.52	8.167	8.319	9.836	2.748	8.254	9.163	7.643	1.362
7/24/2013 15:50	8.692	2.171	8.526	2.230	7.867	3.133	8.921	2.572	9.206	8.106	7.618	9.920	9.499	8.161	8.313	9.836	2.76	8.248	9.163	7.637	1.942
7/24/2013 16:00	8.690	2.420	8.518	2.494	7.860	3.242	8.920	2.714	9.212	8.112	7.611	9.926	9.498	8.159	8.312	9.826	2.777	8.241	9.15	7.636	2.52
7/24/2013 16:10	8.686	2.675	8.514	2.768	7.856	3.336	8.921	2.88	9.213	8.106	7.613	9.920	9.48	8.155	8.308	9.836	2.813	8.242	9.146	7.626	3.067
7/24/2013 16:20	8.688	2.939	8.520	3.041	7.867	3.460	8.925	3.054	9.217	8.109	7.618	9.932	9.497	8.163	8.313	9.834	2.865	8.248	9.158	7.637	3.62
7/24/2013 16:30	8.694	3.178	8.526	3.283	7.861	3.571	8.925	3.207	9.210	8.117	7.618	9.924	9.511	8.157	8.31	9.834	2.913	8.242	9.158	7.628	4.15
7/24/2013 16:40	8.692	3.419	8.524	3.528	7.860	3.700	8.929	3.357	9.214	8.108	7.617	9.928	9.501	8.161	8.314	9.844	2.969	8.252	9.16	7.626	4.654
7/24/2013 16:50	8.688	3.670	8.514	3.776	7.861	3.799	8.923	3.512	9.208	8.102	7.613	9.924	9.497	8.163	8.31	9.845	3.024	8.248	9.156	7.622	5.239
7/24/2013 17:00	8.682	3.903	8.514	3.991	7.856	3.902	8.910	3.661	9.202	8.096	7.607	9.918	9.492	8.151	8.298	9.819	3.083	8.242	9.15	7.616	5.702
7/24/2013 17:10	8.676	4.123	8.503	4.199	7.844	4.009	8.919	3.804	9.190	8.098	7.601	9.912	9.486	8.14	8.298	9.82	3.137	8.242	9.152	7.616	6.119
7/24/2013 17:20	8.680	4.359	8.518	4.427	7.848	4.119	8.921	3.962	9.200	8.100	7.611	9.922	9.488	8.15	8.302	9.836	3.217	8.246	9.162	7.626	6.621
7/24/2013 17:30	8.682	4.565	8.514	4.620	7.844	4.226	8.923	4.109	9.202	8.102	7.613	9.916	9.497	8.151	8.298	9.832	3.301	8.242	9.167	7.622	7.013
7/24/2013 17:40	8.682	4.784	8.511	4.833	7.844	4.337	8.923	4.248	9.208	8.102	7.607	9.916	9.49	8.145	8.292	9.832	3.372	8.237	9.175	7.616	7.49
7/24/2013 17:50	8.678	4.975	8.505	4.992	7.844	4.436	8.915	4.382	9.202	8.102	7.601	9.924	9.49	8.145	8.298	9.819	3.449	8.237	9.167	7.611	7.769
7/24/2013 18:00	8.681	5.150	8.507	5.155	7.847	4.531	8.918	4.503	9.204	8.096	7.604	9.919	9.479	8.142	8.295	9.821	3.539	8.245	9.171	7.607	8.051
7/24/2013 18:10	8.672	5.325	8.499	5.327	7.838	4.622	8.915	4.627	9.194	8.094	7.601	9.916	9.471	8.14	8.287	9.819	3.619	8.231	9.169	7.605	8.338
7/24/2013 18:20	8.677	5.492	8.503	5.463	7.843	4.718	8.914	4.744	9.206	8.090	7.605	9.920	9.488	8.144	8.291	9.823	3.723	8.229	9.165	7.605	8.577
7/24/2013 18:30	8.671	5.651	8.503	5.608	7.837	4.812	8.914	4.863	9.198	8.090	7.599	9.913	9.48	8.14	8.285	9.823	3.788	8.229	9.165	7.605	8.809
7/24/2013 18:40	8.672	5.790	8.503	5.744	7.844	4.894	8.915	4.962	9.187	8.086	7.601	9.916	9.471	8.14	8.287	9.824	3.877	8.225	9.161	7.605	9.007
7/24/2013 18:50	8.678	5.940	8.509	5.864	7.838	4.991	8.921	5.073	9.208	8.092	7.607	9.914	9.476	8.142	8.287	9.817	3.966	8.237	9.161	7.611	9.168
7/24/2013 19:00	8.672	6.064	8.497	5.981	7.838	5.060	8.910	5.173	9.194	8.086	7.601	9.909	9.476	8.14	8.287	9.811	4.042	8.231	9.161	7.601	9.344
7/24/2013 19:10	8.667	6.181	8.497	6.088	7.838	5.135	8.904	5.257	9.196	8.081	7.595	9.903	9.465	8.14	8.275	9.813	4.119	8.231	9.15	7.595	9.492
7/24/2013 19:20	8.672	6.284	8.503	6.182	7.838	5.209	8.910	5.356	9.188	8.088	7.601	9.911	9.465	8.14	8.287	9.819	4.207	8.231	9.156	7.599	9.547
7/24/2013 19:30	8.677	6.376	8.507	6.247	7.848	5.281	8.914	5.428	9.200	8.092	7.611	9.907	9.469	8.15	8.285	9.823	4.293	8.235	9.165	7.609	9.538
7/24/2013 19:40	8.672	6.454	8.503	6.314	7.844	5.338	8.904	5.504	9.204	8.081	7.607	9.903	9.471	8.151	8.292	9.813	4.371	8.237	9.161	7.605	9.555
7/24/2013 19:50	8.672	6.523	8.503	6.370	7.844	5.393	8.910	5.571	9.204	8.088	7.607	9.911	9.465	8.157	8.292	9.819	4.442	8.231	9.156	7.611	9.499
7/24/2013 20:00	8.672	6.577	8.497	6.414	7.833	5.456	8.904	5.626	9.196	8.081	7.613	9.903	9.465	8.157	8.298	9.819	4.519	8.231	9.161	7.611	9.45
7/24/2013 20:10	8.677	6.623	8.507	6.448	7.848	5.508	8.908	5.684	9.200	8.092	7.622	9.915	9.482	8.167	8.306	9.83	4.588	8.241	9.165	7.615	9.398
7/24/2013 20:20	8.671	6.632	8.503	6.446	7.838	5.542	8.904	5.718	9.198	8.083	7.618	9.905	9.465	8.157	8.302	9.82	4.647	8.231	9.152	7.611	9.206
7/24/2013 20:30	8.671	6.640	8.497	6.440	7.833	5.579	8.904	5.745	9.196	8.083	7.618	9.905	9.465	8.161	8.302	9.82	4.712	8.225	9.158	7.622	9.011
7/24/2013 20:40	8.675	6.652	8.501	6.448	7.837	5.610	8.902	5.774	9.202	8.089	7.622	9.911	9.471	8.165	8.306	9.825	4.775	8.229	9.162	7.615	8.891
7/24/2013 20:50	8.675	6.652	8.507	6.433	7.843	5.646	8.908	5.806	9.208	8.094	7.628	9.909	9.469	8.176	8.312	9.825	4.846	8.229	9.167	7.626	8.679

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/24/2013 21:00	8.675	6.625	8.507	6.406	7.837	5.665	8.910	5.822	9.194	8.089	7.622	9.903	9.471	8.171	8.317	9.819	4.886	8.229	9.167	7.621	8.478
7/24/2013 21:10	8.665	6.588	8.497	6.379	7.833	5.673	8.900	5.812	9.192	8.079	7.613	9.901	9.461	8.172	8.308	9.809	4.93	8.219	9.146	7.616	8.271
7/24/2013 21:20	8.676	6.571	8.503	6.347	7.844	5.697	8.919	5.831	9.204	8.090	7.636	9.905	9.472	8.184	8.325	9.826	4.989	8.237	9.163	7.628	8.039
7/24/2013 21:30	8.676	6.531	8.503	6.291	7.844	5.697	8.913	5.833	9.198	8.092	7.630	9.907	9.467	8.188	8.325	9.815	5.03	8.231	9.158	7.628	7.794
7/24/2013 21:40	8.676	6.477	8.503	6.247	7.838	5.697	8.908	5.823	9.192	8.094	7.632	9.901	9.474	8.182	8.325	9.817	5.066	8.231	9.169	7.626	7.599
7/24/2013 21:50	8.671	6.418	8.503	6.171	7.838	5.692	8.910	5.804	9.194	8.081	7.632	9.901	9.469	8.182	8.325	9.824	5.089	8.237	9.163	7.626	7.289
7/24/2013 22:00	8.675	6.348	8.495	6.102	7.848	5.690	8.900	5.782	9.193	8.087	7.628	9.907	9.467	8.186	8.329	9.815	5.116	8.229	9.167	7.624	7.035
7/24/2013 22:10	8.665	6.269	8.491	6.027	7.838	5.669	8.891	5.751	9.183	8.077	7.618	9.889	9.457	8.176	8.313	9.813	5.131	8.225	9.152	7.626	6.741
7/24/2013 22:20	8.674	6.192	8.497	5.939	7.838	5.661	8.896	5.722	9.196	8.088	7.636	9.903	9.469	8.188	8.331	9.824	5.16	8.231	9.158	7.637	6.414
7/24/2013 22:30	8.671	6.097	8.497	5.836	7.838	5.644	8.904	5.68	9.196	8.088	7.636	9.903	9.469	8.193	8.331	9.819	5.179	8.237	9.169	7.643	6.07
7/24/2013 22:40	8.671	5.974	8.497	5.715	7.838	5.613	8.904	5.63	9.202	8.083	7.637	9.903	9.469	8.188	8.331	9.819	5.185	8.237	9.169	7.643	5.645
7/24/2013 22:50	8.674	5.857	8.503	5.593	7.838	5.581	8.904	5.575	9.202	8.083	7.630	9.903	9.474	8.193	8.336	9.811	5.196	8.242	9.163	7.643	5.252
7/24/2013 23:00	8.674	5.735	8.509	5.470	7.844	5.544	8.904	5.517	9.202	8.088	7.637	9.903	9.474	8.193	8.336	9.824	5.196	8.237	9.169	7.649	4.908
7/24/2013 23:10	8.671	5.599	8.509	5.336	7.850	5.500	8.912	5.454	9.202	8.088	7.630	9.903	9.469	8.188	8.342	9.819	5.196	8.237	9.158	7.649	4.533
7/24/2013 23:20	8.673	5.454	8.507	5.191	7.854	5.451	8.910	5.372	9.200	8.087	7.636	9.901	9.467	8.192	8.34	9.823	5.189	8.235	9.162	7.647	4.122
7/24/2013 23:30	8.671	5.318	8.503	5.038	7.850	5.397	8.912	5.295	9.202	8.096	7.643	9.903	9.469	8.193	8.342	9.826	5.179	8.237	9.169	7.649	3.76
7/24/2013 23:40	8.678	5.186	8.518	4.900	7.860	5.344	8.916	5.213	9.206	8.092	7.645	9.907	9.486	8.201	8.352	9.836	5.164	8.252	9.167	7.647	3.435
7/24/2013 23:50	8.686	5.025	8.520	4.758	7.861	5.290	8.917	5.125	9.215	8.102	7.647	9.909	9.488	8.203	8.354	9.838	5.148	8.248	9.177	7.66	3.105
7/25/2013 0:00	8.674	4.874	8.509	4.590	7.856	5.221	8.912	5.022	9.204	8.098	7.636	9.905	9.471	8.191	8.348	9.813	5.114	8.242	9.165	7.653	2.789
7/25/2013 0:10	8.665	4.726	8.505	4.438	7.846	5.146	8.902	4.933	9.192	8.094	7.631	9.901	9.472	8.193	8.338	9.822	5.079	8.232	9.161	7.645	2.494
7/25/2013 0:20	8.673	4.591	8.518	4.295	7.860	5.085	8.910	4.838	9.208	8.102	7.640	9.909	9.475	8.201	8.352	9.83	5.053	8.246	9.169	7.659	2.244
7/25/2013 0:30	8.678	4.441	8.507	4.148	7.860	5.009	8.904	4.742	9.202	8.089	7.634	9.903	9.482	8.195	8.352	9.811	5.011	8.241	9.167	7.651	1.994
7/25/2013 0:40	8.686	4.319	8.514	4.029	7.861	4.955	8.912	4.658	9.210	8.104	7.636	9.911	9.49	8.197	8.359	9.832	4.978	8.248	9.171	7.659	1.827
7/25/2013 0:50	8.686	4.204	8.520	3.907	7.861	4.892	8.917	4.581	9.210	8.104	7.641	9.918	9.482	8.203	8.354	9.832	4.936	8.254	9.18	7.664	1.658
7/25/2013 1:00	8.680	4.093	8.514	3.803	7.861	4.831	8.912	4.497	9.210	8.096	7.641	9.911	9.49	8.197	8.354	9.826	4.89	8.254	9.163	7.659	1.547
7/25/2013 1:10	8.690	4.001	8.518	3.725	7.866	4.779	8.916	4.43	9.206	8.108	7.645	9.915	9.494	8.207	8.358	9.823	4.846	8.264	9.179	7.668	1.481
7/25/2013 1:20	8.697	3.936	8.520	3.665	7.867	4.731	8.923	4.367	9.215	8.109	7.647	9.924	9.488	8.209	8.365	9.83	4.813	8.265	9.18	7.67	1.45
7/25/2013 1:30	8.692	3.859	8.514	3.600	7.873	4.689	8.917	4.311	9.215	8.102	7.653	9.916	9.495	8.209	8.354	9.83	4.765	8.26	9.18	7.664	1.4
7/25/2013 1:40	8.684	3.804	8.518	3.549	7.866	4.643	8.916	4.252	9.214	8.108	7.645	9.915	9.494	8.207	8.358	9.836	4.718	8.264	9.179	7.665	1.404
7/25/2013 1:50	8.674	3.760	8.514	3.520	7.867	4.599	8.912	4.216	9.204	8.090	7.636	9.905	9.49	8.197	8.354	9.82	4.666	8.254	9.169	7.659	1.436
7/25/2013 2:00	8.686	3.744	8.514	3.514	7.867	4.572	8.917	4.179	9.210	8.111	7.641	9.911	9.49	8.203	8.354	9.826	4.632	8.26	9.18	7.664	1.519
7/25/2013 2:10	8.682	3.727	8.510	3.523	7.863	4.549	8.913	4.16	9.213	8.107	7.637	9.914	9.491	8.199	8.355	9.828	4.585	8.25	9.173	7.656	1.62
7/25/2013 2:20	8.692	3.750	8.520	3.562	7.873	4.540	8.923	4.164	9.215	8.109	7.647	9.953	9.501	8.209	8.359	9.838	4.565	8.26	9.182	7.666	1.783
7/25/2013 2:30	8.682	3.775	8.510	3.596	7.857	4.530	8.921	4.154	9.205	8.099	7.631	9.914	9.491	8.199	8.355	9.828	4.52	8.261	9.171	7.66	1.962
7/25/2013 2:40	8.682	3.807	8.510	3.650	7.857	4.528	8.923	4.154	9.207	8.086	7.631	9.901	9.486	8.199	8.349	9.822	4.486	8.25	9.161	7.654	2.159
7/25/2013 2:50	8.674	3.863	8.514	3.723	7.856	4.538	8.906	4.181	9.198	8.092	7.624	9.907	9.492	8.197	8.348	9.82	4.461	8.248	9.169	7.659	2.382
7/25/2013 3:00	8.678	3.936	8.518	3.809	7.854	4.551	8.918	4.216	9.210	8.104	7.634	9.911	9.488	8.201	8.352	9.825	4.44	8.252	9.169	7.663	2.602
7/25/2013 3:10	8.678	4.011	8.518	3.909	7.860	4.580	8.918	4.256	9.210	8.104	7.634	9.911	9.488	8.201	8.352	9.832	4.417	8.258	9.173	7.663	2.876
7/25/2013 3:20	8.680	4.102	8.520	4.008	7.861	4.612	8.919	4.302	9.217	8.098	7.641	9.912	9.497	8.203	8.359	9.84	4.419	8.254	9.177	7.67	3.136
7/25/2013 3:30	8.680	4.192	8.520	4.104	7.856	4.637	8.913	4.342	9.211	8.107	7.636	9.912	9.492	8.203	8.354	9.82	4.402	8.254	9.175	7.664	3.377
7/25/2013 3:40	8.684	4.284	8.520	4.209	7.873	4.674	8.921	4.401	9.213	8.100	7.630	9.912	9.492	8.203	8.354	9.82	4.402	8.26	9.171	7.67	3.641
7/25/2013 3:50	8.678	4.378	8.520	4.324	7.861	4.708	8.915	4.459	9.206	8.094	7.624	9.907	9.486	8.203	8.342	9.828	4.396	8.254	9.165	7.664	3.882
7/25/2013 4:00	8.684	4.487	8.520	4.444	7.861	4.756	8.915	4.514	9.206	8.094	7.630	9.914	9.486	8.203	8.354	9.822	4.402	8.254	9.165	7.664	4.194
7/25/2013 4:10	8.686	4.605	8.522	4.561	7.869	4.800	8.917	4.587	9.202	8.103	7.631	9.916	9.488	8.205	8.349	9.824	4.421	8.255	9.171	7.672	4.504
7/25/2013 4:20	8.678	4.732	8.514	4.685	7.867	4.848	8.908	4.662	9.200	8.102	7.630	9.914	9.499	8.203	8.348	9.822	4.431	8.26	9.177	7.664	4.824
7/25/2013 4:30	8.678	4.843	8.514	4.808	7.856	4.897	8.910	4.729	9.194	8.096	7.618	9.901	9.486	8.201	8.342	9.822	4.442	8.26	9.171	7.664	5.119
7/25/2013 4:40	8.684	4.979	8.514	4.934	7.873	4.959	8.915	4.821	9.206	8.094	7.630	9.914	9.492	8.203	8.348	9.828	4.473	8.265	9.171	7.664	5.429
7/25/2013 4:50	8.684	5.103	8.514	5.061	7.867	5.014	8.910	4.899	9.202	8.102	7.624	9.916	9.486	8.201	8.342	9.822	4.49	8.26	9.165	7.659	5.725
7/25/2013 5:00	8.684	5.226	8.520	5.193	7.867	5.070	8.910	4.978	9.200	8.102	7.630	9.909	9.494	8.201	8.348	9.822	4.519	8.26	9.171	7.659	6.035
7/25/2013 5:10	8.684	5.364	8.520	5.321	7.867	5.133	8.917	5.054	9.208	8.096	7.630	9.909	9.499	8.201	8.336	9.817	4.549	8.26	9.171	7.659	6.336
7/25/2013 5:20	8.690	5.499	8.520	5.449	7.873	5.200	8.915	5.142	9.213	8.102	7.630	9.922	9.499	8.207	8.342	9.836	4.589	8.265	9.177	7.67	6.619
7/25/2013 5:30	8.691	5.610	8.522	5.571	7.869	5.257	8.919	5.222	9.209	8.098	7.631	9.910	9.501	8.208	8.344	9.824	4.627	8.267	9.178	7.666	6.883
7/25/2013 5:40	8.690	5.739	8.520	5.679	7.867	5.311	8.912	5.299	9.202	8.104	7.630	9.918	9.488	8.207	8.342	9.824	4.66	8.254	9.177	7.664	7.128
7/25/2013 5:50	8.690	5.842	8.520	5.782	7.861	5.374	8.917	5.376	9.217	8.096	7.636	9.918	9.501	8.207	8.346	9.824	4.708	8.254	9.171	7.67	7.337
7/25/2013 6:00	8.688	5.953	8.518	5.882	7.873	5.430	8.919	5.444	9.211	8.098	7.636	9.918	9.495	8.207	8.342	9.84	4.754	8.261	9.177	7.659	7.549
7/25/2013 6:10	8.678	6.051	8.518	5.970	7.861	5.479	8.906	5.508	9.211	8.100	7.630	9.912	9.49	8.207	8.334	9.834	4.785	8.256	9.177	7.659	7.737
7/25/2013 6:20	8.676	6.154	8.518	6.061	7.861	5.529	8.900	5.573	9.200	8.094	7.632	9.907	9.49	8.207	8.334	9.828	4.825	8.256	9.177	7.653	7.899
7/25/2013 6:30	8.682	6.242	8.518	6.151	7.861	5.590	8.913	5.64	9.211	8.100	7.643	9.912	9.503	8.216	8.34	9.834	4.873	8.261	9.177	7.659	8.024
7/25/2013 6:40	8.678	6.326	8.520	6.212	7.863	5.642	8.909	5.699	9.207	8.096	7.633	9.916	9.505	8.212	8.336	9.843	4.922	8.257	9.178	7.658	8.104
7/25/2013 6:50	8.687	6.392	8.517	6.271	7.861	5.689	8.913	5.765	9.211	8.099	7.648	9.919	9.495	8.215	8.336	9.846	4.971	8.266	9.176	7.662	8.143
7/25/2013 7:00	8.682	6.435	8.512	6.305	7.856	5.715	8.902	5.789	9.208	8.096	7.643	9.916	9.497	8.211	8.334	9.843	5.009	8.267	9.171	7.657	8.125
7/25/2013 7:10	8.682	6.477	8.518	6.331	7.856	5.753	8.902	5.841	9.215	8.096	7.643	9.930	9.497	8.216	8.34	9.838	5.06	8.261	9.171	7.657	8.096
7/25/2013 7:20	8.676	6.498	8.512	6.339	7.861	5.778	8.904	5.862	9.202	8.090	7.643	9.911	9.486	8.216	8.334	9.83	5.102	8.261	9.171	7.651	8.014
7/25/2013 7:30	8.682	6.512	8.518	6.337	7.856	5.814	8.912	5.89	9.210	8.090	7.643	9.911	9.499	8.216	8.34	9.838	5.139	8.261	9.171	7.657	7.895
7/25/2013 7:40	8.682	6.518	8.518	6.328	7.861	5.820	8.912	5.91	9.210	8.098	7.649	9.911	9.499	8.216	8.34	9.832	5.181	8.261	9.171	7.657	7.783
7/25/2013 7:50	8.692	6.504	8.524	6.316	7.856	5.839	8.912	5.925	9.217	8.098	7.649	9.911	9.492	8.226	8.34	9.851	5.229	8.267	9.179	7.662	7.614
7/25/2013 8:00	8.692	6.472	8.518	6.283	7.867	5.851	8.917	5.925	9.210	8.104	7.655	9.918	9.499	8.222	8.346	9.845	5.252	8.267	9.171	7.662	7.392
7/25/2013 8:10	8.691	6.423	8.514	6.227	7.855	5.844	8.917	5.918	9.209	8.097	7.648	9.923	9.491	8.225	8.339	9.845	5.287	8.266	9.176	7.662	7.116
7/25/2013 8:20	8.687	6.363	8.513	6.152	7.862	5.840	8.907	5.893	9.205	8.093	7.656	9.913	9.5	8.221	8.341	9.838	5.308	8.262	9.172	7.652	6.848
7/25/2013 8:30	8.687	6.302	8.513	6.080	7.868	5.828	8.907	5.876	9.212	8.099	7.656	9.906	9.494	8.221	8.347	9.84	5.331	8.257	9.172	7.663	6.568
7/25/2013 8:40	8.681	6.228	8.513	5.991	7.857	5.809	8.907	5.843	9.207	8.093	7.650	9.908	9.494	8.215	8.341	9.827	5.331	8.257	9.172	7.657	6.283
7/25/2013 8:50	8.685	6.138	8.512	5.908	7.861	5.790	8.905	5.813	9.197	8.099	7.654	9.912	9.487	8.225	8.345	9.833	5.36	8.261	9.178	7.662	5.973
7/25/2013 9:00	8.675	6.030	8.502	5.794	7.857	5.761	8.901	5.761	9.201	8.095	7.650	9.908	9.496	8.215	8.341	9.829	5.373	8.257	9.168	7.657	5.617
7/25/2013 9:10	8.687	5.927	8.508	5.691	7.862	5.737	8.914	5.709	9.207	8.093	7.650	9.913	9.489	8.215	8.347	9.835	5.379	8.257	9.168	7.657	5.234

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/25/2013 9:20	8.685	5.828	8.517	5.582	7.866	5.716	8.911	5.666	9.211	8.097	7.660	9.917	9.493	8.219	8.351	9.831	5.377	8.261	9.182	7.662	4.921
7/25/2013 9:30	8.681	5.694	8.519	5.433	7.862	5.673	8.907	5.585	9.207	8.093	7.656	9.908	9.489	8.215	8.341	9.835	5.373	8.257	9.172	7.652	4.528
7/25/2013 9:40	8.683	5.542	8.519	5.283	7.868	5.606	8.912	5.507	9.212	8.099	7.661	9.919	9.494	8.221	8.352	9.84	5.373	8.262	9.174	7.663	4.103
7/25/2013 9:50	8.675	5.366	8.508	5.096	7.857	5.532	8.909	5.403	9.201	8.087	7.656	9.908	9.483	8.209	8.335	9.821	5.35	8.257	9.166	7.652	3.646
7/25/2013 10:00	8.679	5.200	8.517	4.910	7.866	5.471	8.905	5.308	9.205	8.099	7.660	9.912	9.493	8.219	8.345	9.839	5.329	8.261	9.172	7.656	3.169
7/25/2013 10:10	8.679	5.009	8.517	4.706	7.861	5.389	8.899	5.191	9.205	8.101	7.648	9.906	9.487	8.214	8.345	9.833	5.301	8.255	9.172	7.656	2.733
7/25/2013 10:20	8.681	4.786	8.509	4.460	7.862	5.287	8.909	5.061	9.207	8.102	7.656	9.915	9.496	8.209	8.347	9.835	5.272	8.257	9.172	7.657	2.187
7/25/2013 10:30	8.675	4.543	8.513	4.196	7.857	5.195	8.903	4.921	9.208	8.097	7.656	9.909	9.483	8.204	8.341	9.837	5.229	8.251	9.166	7.652	1.673
7/25/2013 10:40	8.675	4.316	8.509	3.934	7.857	5.072	8.903	4.758	9.203	8.089	7.650	9.909	9.477	8.2	8.341	9.829	5.189	8.257	9.166	7.652	1.19
7/25/2013 10:50	8.679	4.059	8.502	3.653	7.861	4.954	8.901	4.596	9.207	8.087	7.648	9.908	9.475	8.187	8.339	9.822	5.121	8.249	9.172	7.65	0.67
7/25/2013 11:00	8.675	3.782	8.498	3.347	7.851	4.826	8.897	4.416	9.203	8.083	7.650	9.904	9.471	8.194	8.33	9.817	5.057	8.245	9.168	7.646	0.174
7/25/2013 11:10	8.681	3.514	8.504	3.048	7.851	4.688	8.903	4.232	9.208	8.089	7.644	9.902	9.469	8.188	8.335	9.823	4.998	8.251	9.166	7.646	-0.316
7/25/2013 11:20	8.664	3.236	8.492	2.738	7.839	4.537	8.891	4.025	9.197	8.085	7.638	9.898	9.466	8.183	8.324	9.817	4.91	8.239	9.155	7.634	-0.789
7/25/2013 11:30	8.668	2.974	8.502	2.440	7.849	4.391	8.888	3.832	9.193	8.089	7.642	9.902	9.47	8.187	8.322	9.816	4.843	8.249	9.159	7.644	-1.24
7/25/2013 11:40	8.665	2.698	8.500	2.141	7.847	4.236	8.893	3.633	9.199	8.087	7.640	9.900	9.46	8.173	8.325	9.819	4.758	8.241	9.164	7.642	-1.683
7/25/2013 11:50	8.664	2.429	8.498	1.846	7.845	4.085	8.891	3.428	9.197	8.085	7.638	9.898	9.466	8.177	8.324	9.817	4.663	8.251	9.155	7.634	-2.054
7/25/2013 12:00	8.662	2.182	8.496	1.577	7.838	3.934	8.890	3.237	9.188	8.084	7.637	9.896	9.464	8.175	8.322	9.81	4.573	8.238	9.161	7.633	-2.384
7/25/2013 12:10	8.662	1.929	8.491	1.316	7.832	3.781	8.884	3.042	9.190	8.078	7.631	9.891	9.458	8.17	8.316	9.804	4.462	8.238	9.147	7.621	-2.704
7/25/2013 12:20	8.662	1.717	8.496	1.085	7.843	3.651	8.897	2.866	9.188	8.076	7.637	9.896	9.456	8.175	8.316	9.81	4.372	8.243	9.153	7.633	-2.987
7/25/2013 12:30	8.664	1.495	8.481	0.872	7.828	3.511	8.880	2.699	9.185	8.074	7.621	9.886	9.454	8.16	8.307	9.806	4.263	8.239	9.145	7.623	-3.248
7/25/2013 12:40	8.658	1.311	8.485	0.702	7.828	3.400	8.888	2.557	9.178	8.081	7.621	9.886	9.414	8.154	8.312	9.806	4.152	8.234	9.145	7.629	-3.47
7/25/2013 12:50	8.658	1.144	8.492	0.564	7.828	3.306	8.886	2.444	9.178	8.072	7.621	9.886	9.439	8.16	8.312	9.812	4.07	8.228	9.145	7.629	-3.661
7/25/2013 13:00	8.669	1.007	8.502	0.455	7.839	3.220	8.889	2.337	9.189	8.083	7.627	9.896	9.45	8.162	8.312	9.823	3.968	8.245	9.151	7.634	-3.795
7/25/2013 13:10	8.658	0.871	8.490	0.350	7.828	3.128	8.878	2.234	9.178	8.080	7.615	9.885	9.439	8.15	8.301	9.798	3.857	8.234	9.145	7.623	-3.931
7/25/2013 13:20	8.664	0.775	8.502	0.279	7.834	3.059	8.891	2.14	9.184	8.078	7.621	9.890	9.445	8.156	8.301	9.812	3.769	8.234	9.151	7.629	-3.962
7/25/2013 13:30	8.656	0.678	8.494	0.204	7.832	2.971	8.882	2.062	9.182	8.068	7.614	9.940	9.437	8.148	8.299	9.81	3.674	8.232	9.143	7.621	-3.958
7/25/2013 13:40	8.664	0.616	8.502	0.154	7.839	2.923	8.897	2	9.189	8.076	7.610	9.890	9.458	8.156	8.307	9.817	3.585	8.234	9.145	7.623	-3.895
7/25/2013 13:50	8.664	0.568	8.502	0.129	7.839	2.862	8.889	1.935	9.189	8.076	7.604	9.883	9.45	8.15	8.297	9.817	3.509	8.234	9.145	7.623	-3.763
7/25/2013 14:00	8.664	0.542	8.490	0.114	7.834	2.807	8.889	1.88	9.189	8.070	7.604	9.890	9.45	8.15	8.301	9.81	3.423	8.234	9.145	7.619	-3.608
7/25/2013 14:10	8.660	0.526	8.486	0.122	7.834	2.762	8.889	1.845	9.187	8.074	7.598	9.888	9.45	8.144	8.303	9.816	3.344	8.234	9.143	7.619	-3.397
7/25/2013 14:20	8.654	0.553	8.486	0.166	7.834	2.728	8.882	1.809	9.187	8.074	7.610	9.881	9.45	8.144	8.297	9.81	3.268	8.222	9.149	7.613	-3.154
7/25/2013 14:30	8.660	0.607	8.492	0.252	7.839	2.703	8.895	1.799	9.185	8.080	7.610	9.886	9.456	8.15	8.303	9.814	3.216	8.228	9.149	7.619	-2.848
7/25/2013 14:40	8.660	0.681	8.496	0.384	7.839	2.701	8.901	1.821	9.191	8.085	7.610	9.892	9.454	8.152	8.303	9.827	3.157	8.234	9.143	7.619	-2.465
7/25/2013 14:50	8.666	0.777	8.492	0.495	7.839	2.709	8.893	1.847	9.184	8.085	7.602	9.886	9.441	8.146	8.297	9.819	3.097	8.239	9.143	7.619	-2.186
7/25/2013 15:00	8.670	0.890	8.491	0.675	7.843	2.728	8.897	1.909	9.188	8.089	7.608	9.896	9.453	8.15	8.301	9.823	3.044	8.232	9.153	7.623	-1.776
7/25/2013 15:10	8.660	1.016	8.490	0.824	7.828	2.757	8.893	1.964	9.184	8.080	7.598	9.885	9.454	8.141	8.291	9.814	3.004	8.228	9.137	7.613	-1.424
7/25/2013 15:20	8.664	1.171	8.489	1.018	7.832	2.805	8.897	2.045	9.188	8.084	7.596	9.875	9.453	8.145	8.295	9.81	2.977	8.226	9.147	7.618	-0.993
7/25/2013 15:30	8.664	1.334	8.500	1.213	7.832	2.855	8.895	2.142	9.188	8.082	7.595	9.889	9.451	8.145	8.295	9.816	2.945	8.23	9.147	7.618	-0.553
7/25/2013 15:40	8.660	1.504	8.491	1.422	7.832	2.910	8.895	2.227	9.188	8.082	7.595	9.894	9.445	8.145	8.29	9.816	2.937	8.224	9.141	7.618	-0.126
7/25/2013 15:50	8.654	1.679	8.491	1.624	7.838	2.977	8.888	2.332	9.188	8.082	7.589	9.889	9.445	8.139	8.295	9.816	2.92	8.23	9.147	7.618	0.322
7/25/2013 16:00	8.655	1.882	8.491	1.851	7.833	3.053	8.896	2.442	9.181	8.083	7.590	9.882	9.438	8.14	8.29	9.817	2.921	8.225	9.142	7.607	0.818
7/25/2013 16:10	8.666	2.098	8.485	2.105	7.832	3.138	8.894	2.569	9.186	8.080	7.589	9.894	9.451	8.139	8.29	9.822	2.925	8.226	9.147	7.612	1.342
7/25/2013 16:20	8.649	2.312	8.479	2.338	7.826	3.226	8.888	2.699	9.180	8.074	7.583	9.881	9.437	8.133	8.284	9.808	2.931	8.22	9.141	7.606	1.858
7/25/2013 16:30	8.649	2.543	8.480	2.586	7.827	3.319	8.889	2.838	9.181	8.075	7.578	9.874	9.438	8.13	8.285	9.809	2.944	8.214	9.136	7.597	2.412
7/25/2013 16:40	8.655	2.789	8.486	2.848	7.827	3.424	8.889	2.991	9.187	8.073	7.578	9.888	9.451	8.136	8.279	9.817	2.974	8.214	9.148	7.603	2.95
7/25/2013 16:50	8.666	3.028	8.491	3.092	7.832	3.534	8.899	3.136	9.191	8.078	7.583	9.893	9.449	8.135	8.284	9.814	3.014	8.219	9.153	7.602	3.458
7/25/2013 17:00	8.655	3.262	8.480	3.342	7.821	3.634	8.881	3.286	9.187	8.073	7.584	9.880	9.438	8.13	8.273	9.822	3.051	8.214	9.148	7.603	4.012
7/25/2013 17:10	8.644	3.499	8.480	3.575	7.827	3.738	8.889	3.435	9.187	8.073	7.578	9.880	9.444	8.13	8.273	9.809	3.097	8.219	9.148	7.597	4.544
7/25/2013 17:20	8.643	3.719	8.479	3.806	7.820	3.848	8.888	3.589	9.186	8.072	7.572	9.871	9.443	8.124	8.272	9.8	3.147	8.219	9.147	7.591	5.035
7/25/2013 17:30	8.649	3.951	8.486	4.021	7.821	3.954	8.900	3.737	9.185	8.071	7.578	9.886	9.444	8.136	8.273	9.813	3.208	8.219	9.148	7.597	5.52
7/25/2013 17:40	8.644	4.179	8.474	4.251	7.816	4.059	8.881	3.871	9.171	8.067	7.572	9.880	9.43	8.124	8.267	9.801	3.261	8.214	9.142	7.592	6.012
7/25/2013 17:50	8.649	4.397	8.474	4.460	7.810	4.165	8.889	4.019	9.179	8.065	7.567	9.872	9.438	8.124	8.262	9.809	3.332	8.214	9.142	7.586	6.493
7/25/2013 18:00	8.654	4.599	8.479	4.646	7.820	4.267	8.899	4.152	9.190	8.076	7.577	9.891	9.441	8.129	8.272	9.82	3.408	8.224	9.153	7.596	6.832
7/25/2013 18:10	8.654	4.804	8.485	4.838	7.815	4.367	8.892	4.292	9.182	8.070	7.577	9.877	9.441	8.129	8.272	9.82	3.484	8.219	9.153	7.591	7.269
7/25/2013 18:20	8.654	5.003	8.479	5.016	7.815	4.472	8.892	4.425	9.182	8.078	7.572	9.877	9.441	8.124	8.261	9.804	3.555	8.219	9.145	7.591	7.638
7/25/2013 18:30	8.649	5.189	8.480	5.196	7.814	4.566	8.879	4.547	9.177	8.065	7.567	9.878	9.436	8.119	8.262	9.807	3.627	8.214	9.14	7.58	7.989
7/25/2013 18:40	8.656	5.386	8.485	5.377	7.826	4.669	8.890	4.692	9.182	8.076	7.583	9.883	9.441	8.129	8.267	9.818	3.714	8.219	9.151	7.591	8.316
7/25/2013 18:50	8.661	5.543	8.486	5.520	7.819	4.762	8.898	4.809	9.175	8.069	7.578	9.884	9.442	8.13	8.273	9.819	3.797	8.219	9.152	7.592	8.533
7/25/2013 19:00	8.655	5.702	8.480	5.673	7.819	4.850	8.892	4.909	9.177	8.063	7.578	9.878	9.45	8.124	8.267	9.813	3.874	8.202	9.146	7.586	8.814
7/25/2013 19:10	8.657	5.865	8.480	5.817	7.825	4.942	8.891	5.031	9.188	8.069	7.578	9.876	9.442	8.13	8.267	9.819	3.967	8.214	9.152	7.592	9.017
7/25/2013 19:20	8.651	5.994	8.479	5.927	7.820	5.027	8.897	5.128	9.182	8.068	7.577	9.883	9.447	8.129	8.267	9.818	4.049	8.213	9.151	7.585	9.177
7/25/2013 19:30	8.651	6.118	8.480	6.042	7.825	5.108	8.891	5.23	9.183	8.077	7.584	9.876	9.442	8.13	8.262	9.819	4.126	8.208	9.152	7.586	9.344
7/25/2013 19:40	8.656	6.247	8.473	6.162	7.824	5.193	8.897	5.331	9.182	8.068	7.583	9.875	9.433	8.126	8.267	9.818	4.208	8.207	9.151	7.579	9.506
7/25/2013 19:50	8.651	6.363	8.480	6.262	7.825	5.269	8.904	5.429	9.188	8.075	7.590	9.889	9.448	8.136	8.279	9.824	4.297	8.214	9.152	7.592	9.582
7/25/2013 20:00	8.656	6.457	8.484	6.337	7.823	5.342	8.895	5.502	9.179	8.081	7.594	9.880	9.446	8.14	8.277	9.823	4.383	8.212	9.15	7.59	9.649
7/25/2013 20:10	8.651	6.548	8.474	6.410	7.821	5.405	8.891	5.575	9.183	8.069	7.590	9.884	9.434	8.136	8.267	9.805	4.444	8.208	9.146	7.586	9.687
7/25/2013 20:20	8.651	6.622	8.473	6.476	7.820	5.465	8.897	5.654	9.174	8.068	7.583	9.868	9.433	8.141	8.278	9.812	4.524	8.213	9.147	7.585	9.707
7/25/2013 20:30	8.657	6.678	8.486	6.519	7.819	5.521	8.898	5.709	9.183	8.069	7.590	9.868	9.442	8.147	8.279	9.813	4.609	8.214	9.142	7.592	9.626
7/25/2013 20:40	8.655	6.728	8.474	6.557	7.821	5.565	8.885	5.766	9.169	8.071	7.590	9.870	9.436	8.147	8.279	9.813	4.674	8.214	9.154	7.592	9.57
7/25/2013 20:50	8.660	6.760	8.491	6.564	7.826	5.614	8.897	5.813	9.182	8.076	7.600	9.875	9.447	8.152	8.278	9.818	4.747	8.219	9.153	7.602	9.386
7/25/2013 21:00	8.651	6.775	8.479	6.579	7.826	5.651	8.892	5.851	9.182	8.070	7.595	9.877	9.441	8.15	8.29	9.812	4.807	8.213	9.147	7.596	9.29
7/25/2013 21:10	8.660	6.794	8.491	6.591	7.832	5.695	8.897	5.89	9.182	8.082	7.600	9.883	9.433	8.162	8.29	9.812	4.86	8.219	9.159	7.602	9.175
7/25/2013 21:20	8.660	6.789	8.485	6.568	7.832	5.720	8.899	5.905	9.182	8.076	7.600	9.877	9.435	8.168	8.295	9.812	4.931	8.219	9.159	7.602	8.953
7/25/2013 21:30	8.660	6.775	8.485	6.547	7.830	5.739	8.886	5.92	9.184	8.078	7.606	9.871	9.443	8.168	8.295	9.814	4.977	8.219	9.159	7.608	8.744

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/25/2013 21:40	8.655	6.743	8.474	6.519	7.827	5.753	8.889	5.925	9.179	8.073	7.601	9.872	9.438	8.168	8.296	9.815	5.026	8.214	9.142	7.603	8.523
7/25/2013 21:50	8.655	6.709	8.486	6.475	7.827	5.764	8.889	5.931	9.179	8.073	7.601	9.880	9.43	8.172	8.296	9.809	5.068	8.219	9.148	7.607	8.294
7/25/2013 22:00	8.660	6.679	8.491	6.436	7.838	5.781	8.894	5.93	9.184	8.078	7.618	9.877	9.443	8.183	8.307	9.814	5.119	8.224	9.164	7.618	8.059
7/25/2013 22:10	8.644	6.615	8.480	6.370	7.821	5.778	8.889	5.919	9.173	8.075	7.607	9.867	9.432	8.172	8.302	9.817	5.15	8.221	9.148	7.607	7.811
7/25/2013 22:20	8.660	6.570	8.491	6.321	7.838	5.789	8.899	5.914	9.178	8.086	7.623	9.885	9.443	8.189	8.307	9.822	5.197	8.224	9.159	7.623	7.521
7/25/2013 22:30	8.660	6.515	8.496	6.265	7.838	5.781	8.894	5.893	9.184	8.078	7.618	9.885	9.443	8.189	8.318	9.82	5.228	8.232	9.164	7.623	7.303
7/25/2013 22:40	8.655	6.422	8.486	6.169	7.833	5.764	8.894	5.873	9.179	8.081	7.618	9.872	9.43	8.189	8.313	9.815	5.246	8.225	9.148	7.624	6.958
7/25/2013 22:50	8.654	6.339	8.485	6.080	7.832	5.752	8.894	5.838	9.186	8.072	7.618	9.871	9.437	8.189	8.313	9.814	5.27	8.226	9.147	7.618	6.62
7/25/2013 23:00	8.655	6.250	8.486	5.972	7.838	5.734	8.894	5.789	9.179	8.081	7.626	9.872	9.444	8.195	8.323	9.815	5.288	8.231	9.159	7.63	6.276
7/25/2013 23:10	8.655	6.127	8.491	5.861	7.838	5.703	8.889	5.747	9.187	8.081	7.618	9.872	9.438	8.189	8.319	9.817	5.294	8.227	9.159	7.63	5.899
7/25/2013 23:20	8.666	6.002	8.491	5.731	7.843	5.670	8.899	5.696	9.191	8.078	7.631	9.877	9.443	8.2	8.328	9.814	5.304	8.238	9.17	7.635	5.481
7/25/2013 23:30	8.661	5.873	8.491	5.595	7.844	5.629	8.894	5.626	9.185	8.079	7.632	9.878	9.444	8.195	8.325	9.82	5.305	8.237	9.154	7.636	5.05
7/25/2013 23:40	8.661	5.723	8.497	5.445	7.844	5.579	8.900	5.555	9.185	8.079	7.632	9.878	9.45	8.201	8.331	9.815	5.305	8.237	9.159	7.641	4.644
7/25/2013 23:50	8.660	5.571	8.496	5.293	7.838	5.534	8.899	5.47	9.191	8.078	7.631	9.893	9.456	8.206	8.336	9.822	5.299	8.249	9.159	7.64	4.199
7/26/2013 0:00	8.655	5.398	8.491	5.124	7.833	5.462	8.896	5.364	9.181	8.075	7.626	9.874	9.438	8.195	8.329	9.817	5.276	8.238	9.148	7.636	3.79
7/26/2013 0:10	8.661	5.247	8.491	4.955	7.838	5.401	8.889	5.278	9.181	8.083	7.626	9.874	9.446	8.195	8.334	9.811	5.259	8.238	9.159	7.641	3.392
7/26/2013 0:20	8.667	5.082	8.497	4.785	7.850	5.338	8.894	5.186	9.194	8.088	7.632	9.880	9.444	8.201	8.334	9.828	5.234	8.244	9.154	7.647	3.019
7/26/2013 0:30	8.667	4.910	8.497	4.603	7.850	5.265	8.902	5.081	9.194	8.088	7.632	9.880	9.451	8.205	8.346	9.83	5.209	8.237	9.159	7.653	2.655
7/26/2013 0:40	8.656	4.750	8.486	4.430	7.845	5.174	8.891	4.965	9.176	8.078	7.627	9.877	9.447	8.2	8.335	9.819	5.17	8.239	9.143	7.642	2.34
7/26/2013 0:50	8.656	4.572	8.492	4.254	7.834	5.099	8.891	4.854	9.184	8.078	7.633	9.877	9.447	8.194	8.335	9.819	5.128	8.245	9.143	7.642	2.017
7/26/2013 1:00	8.665	4.405	8.497	4.081	7.850	5.030	8.896	4.755	9.188	8.083	7.637	9.882	9.446	8.205	8.346	9.817	5.085	8.25	9.165	7.645	1.727
7/26/2013 1:10	8.660	4.243	8.492	3.917	7.834	4.944	8.891	4.638	9.189	8.078	7.627	9.877	9.447	8.2	8.341	9.825	5.032	8.234	9.155	7.646	1.451
7/26/2013 1:20	8.666	4.094	8.498	3.766	7.845	4.870	8.891	4.532	9.189	8.085	7.627	9.877	9.447	8.2	8.341	9.825	4.992	8.245	9.16	7.646	1.255
7/26/2013 1:30	8.660	3.950	8.486	3.616	7.839	4.785	8.886	4.427	9.184	8.080	7.633	9.879	9.448	8.194	8.33	9.819	4.939	8.239	9.155	7.646	1.074
7/26/2013 1:40	8.664	3.832	8.491	3.500	7.843	4.721	8.897	4.332	9.188	8.084	7.637	9.883	9.453	8.204	8.345	9.818	4.883	8.249	9.159	7.656	0.896
7/26/2013 1:50	8.666	3.703	8.492	3.370	7.839	4.640	8.893	4.243	9.191	8.087	7.627	9.886	9.441	8.194	8.341	9.821	4.828	8.251	9.155	7.652	0.752
7/26/2013 2:00	8.660	3.607	8.498	3.282	7.845	4.577	8.901	4.159	9.191	8.087	7.627	9.879	9.448	8.2	8.341	9.821	4.774	8.251	9.155	7.652	0.681
7/26/2013 2:10	8.654	3.508	8.486	3.192	7.834	4.504	8.895	4.079	9.187	8.076	7.621	9.875	9.437	8.194	8.335	9.823	4.703	8.239	9.143	7.646	0.616
7/26/2013 2:20	8.660	3.424	8.492	3.125	7.845	4.458	8.895	4.021	9.193	8.081	7.627	9.879	9.443	8.194	8.341	9.816	4.657	8.245	9.155	7.652	0.585
7/26/2013 2:30	8.660	3.363	8.492	3.065	7.839	4.399	8.895	3.951	9.193	8.081	7.627	9.879	9.443	8.2	8.341	9.816	4.604	8.245	9.149	7.652	0.564
7/26/2013 2:40	8.660	3.320	8.498	3.029	7.845	4.368	8.901	3.901	9.199	8.087	7.627	9.886	9.448	8.2	8.347	9.821	4.556	8.251	9.155	7.657	0.597
7/26/2013 2:50	8.653	3.279	8.491	3.004	7.838	4.326	8.894	3.851	9.191	8.080	7.625	9.879	9.433	8.192	8.339	9.82	4.497	8.249	9.141	7.656	0.647
7/26/2013 3:00	8.666	3.261	8.492	3.004	7.845	4.297	8.895	3.832	9.193	8.087	7.627	9.886	9.448	8.194	8.352	9.827	4.456	8.251	9.149	7.657	0.773
7/26/2013 3:10	8.671	3.267	8.498	3.027	7.845	4.278	8.901	3.811	9.193	8.087	7.627	9.886	9.456	8.2	8.352	9.821	4.416	8.257	9.16	7.657	0.899
7/26/2013 3:20	8.671	3.288	8.508	3.073	7.845	4.267	8.901	3.811	9.193	8.095	7.627	9.886	9.456	8.2	8.347	9.829	4.374	8.257	9.155	7.657	1.075
7/26/2013 3:30	8.667	3.311	8.503	3.126	7.847	4.263	8.897	3.807	9.189	8.091	7.623	9.882	9.444	8.202	8.343	9.825	4.324	8.247	9.156	7.659	1.272
7/26/2013 3:40	8.660	3.359	8.496	3.190	7.845	4.255	8.889	3.817	9.182	8.083	7.621	9.875	9.445	8.194	8.347	9.81	4.286	8.245	9.149	7.661	1.483
7/26/2013 3:50	8.669	3.426	8.508	3.274	7.845	4.272	8.895	3.847	9.187	8.089	7.627	9.888	9.456	8.2	8.352	9.823	4.263	8.257	9.149	7.663	1.715
7/26/2013 4:00	8.658	3.493	8.494	3.362	7.843	4.284	8.888	3.874	9.188	8.082	7.619	9.881	9.443	8.192	8.345	9.816	4.231	8.249	9.147	7.66	1.95
7/26/2013 4:10	8.669	3.583	8.508	3.463	7.857	4.317	8.895	3.926	9.195	8.089	7.621	9.881	9.456	8.204	8.352	9.829	4.215	8.262	9.156	7.663	2.205
7/26/2013 4:20	8.664	3.667	8.496	3.561	7.851	4.336	8.897	3.97	9.189	8.083	7.621	9.883	9.458	8.194	8.347	9.831	4.198	8.251	9.155	7.657	2.461
7/26/2013 4:30	8.664	3.749	8.502	3.657	7.851	4.361	8.891	4.01	9.184	8.085	7.610	9.877	9.452	8.192	8.341	9.812	4.181	8.239	9.151	7.656	2.695
7/26/2013 4:40	8.664	3.862	8.508	3.783	7.857	4.403	8.897	4.073	9.195	8.091	7.610	9.890	9.464	8.198	8.352	9.825	4.181	8.251	9.156	7.667	2.968
7/26/2013 4:50	8.662	3.966	8.506	3.902	7.855	4.445	8.903	4.135	9.195	8.089	7.619	9.889	9.456	8.202	8.351	9.829	4.185	8.255	9.161	7.665	3.265
7/26/2013 5:00	8.662	4.082	8.502	4.024	7.855	4.487	8.903	4.2	9.193	8.097	7.619	9.889	9.462	8.202	8.351	9.823	4.185	8.249	9.161	7.671	3.541
7/26/2013 5:10	8.652	4.182	8.496	4.129	7.845	4.527	8.893	4.257	9.184	8.087	7.610	9.886	9.452	8.198	8.335	9.819	4.181	8.251	9.151	7.656	3.797
7/26/2013 5:20	8.665	4.311	8.509	4.263	7.852	4.578	8.901	4.337	9.191	8.095	7.617	9.894	9.46	8.2	8.343	9.834	4.2	8.252	9.158	7.669	4.122
7/26/2013 5:30	8.658	4.432	8.496	4.395	7.845	4.627	8.901	4.4	9.184	8.087	7.604	9.885	9.447	8.198	8.335	9.833	4.211	8.251	9.151	7.652	4.427
7/26/2013 5:40	8.669	4.568	8.513	4.533	7.851	4.699	8.905	4.49	9.195	8.099	7.621	9.896	9.458	8.204	8.347	9.846	4.246	8.257	9.156	7.663	4.748
7/26/2013 5:50	8.664	4.693	8.502	4.665	7.851	4.749	8.899	4.578	9.191	8.085	7.615	9.892	9.458	8.204	8.341	9.84	4.263	8.257	9.156	7.657	5.068
7/26/2013 6:00	8.669	4.830	8.513	4.809	7.851	4.810	8.907	4.657	9.191	8.093	7.615	9.921	9.458	8.204	8.341	9.838	4.292	8.257	9.162	7.661	5.393
7/26/2013 6:10	8.664	4.955	8.502	4.925	7.851	4.873	8.901	4.741	9.191	8.087	7.610	9.886	9.452	8.198	8.341	9.835	4.322	8.251	9.156	7.656	5.686
7/26/2013 6:20	8.660	5.087	8.503	5.048	7.847	4.931	8.897	4.821	9.187	8.083	7.611	9.888	9.448	8.2	8.337	9.831	4.353	8.252	9.158	7.657	5.948
7/26/2013 6:30	8.673	5.223	8.508	5.167	7.845	4.990	8.895	4.911	9.185	8.095	7.615	9.894	9.441	8.204	8.341	9.84	4.357	8.257	9.162	7.661	6.197
7/26/2013 6:40	8.677	5.342	8.512	5.286	7.843	5.044	8.899	4.984	9.191	8.087	7.614	9.893	9.453	8.202	8.339	9.846	4.409	8.255	9.161	7.66	6.438
7/26/2013 6:50	8.673	5.454	8.502	5.387	7.845	5.103	8.903	5.057	9.187	8.083	7.610	9.888	9.448	8.202	8.335	9.837	4.439	8.251	9.162	7.656	6.633
7/26/2013 7:00	8.675	5.554	8.503	5.488	7.847	5.166	8.897	5.125	9.197	8.091	7.617	9.898	9.463	8.209	8.343	9.838	4.494	8.252	9.164	7.657	6.824
7/26/2013 7:10	8.675	5.655	8.509	5.580	7.847	5.221	8.904	5.206	9.202	8.091	7.617	9.919	9.45	8.203	8.337	9.844	4.536	8.258	9.164	7.657	7.014
7/26/2013 7:20	8.668	5.743	8.508	5.660	7.845	5.264	8.889	5.26	9.189	8.083	7.604	9.875	9.448	8.196	8.335	9.831	4.569	8.251	9.156	7.65	7.14
7/26/2013 7:30	8.668	5.833	8.502	5.725	7.845	5.319	8.889	5.329	9.189	8.083	7.615	9.883	9.454	8.202	8.33	9.831	4.617	8.251	9.156	7.65	7.228
7/26/2013 7:40	8.672	5.906	8.506	5.800	7.849	5.366	8.901	5.39	9.193	8.087	7.619	9.887	9.472	8.206	8.334	9.843	4.673	8.255	9.161	7.654	7.317
7/26/2013 7:50	8.677	5.960	8.506	5.850	7.855	5.410	8.909	5.432	9.193	8.095	7.619	9.894	9.466	8.206	8.334	9.841	4.726	8.261	9.166	7.654	7.319
7/26/2013 8:00	8.663	6.007	8.503	5.874	7.847	5.445	8.901	5.47	9.185	8.087	7.617	9.886	9.458	8.203	8.337	9.827	4.735	8.258	9.164	7.651	7.318
7/26/2013 8:10	8.668	6.040	8.496	5.898	7.834	5.469	8.893	5.507	9.178	8.087	7.615	9.886	9.458	8.196	8.324	9.833	4.782	8.245	9.156	7.644	7.263
7/26/2013 8:20	8.668	6.053	8.496	5.907	7.834	5.494	8.893	5.533	9.185	8.080	7.615	9.886	9.498	8.208	8.324	9.833	4.835	8.251	9.156	7.644	7.211
7/26/2013 8:30	8.669	6.063	8.509	5.920	7.835	5.532	8.895	5.558	9.185	8.081	7.617	9.880	9.486	8.203	8.331	9.829	4.871	8.252	9.158	7.651	7.096
7/26/2013 8:40	8.662	6.072	8.508	5.913	7.845	5.536	8.899	5.575	9.189	8.085	7.621	9.892	9.464	8.202	8.33	9.831	4.91	8.257	9.162	7.656	6.966
7/26/2013 8:50	8.656	6.048	8.490	5.890	7.828	5.555	8.895	5.577	9.172	8.074	7.610	9.881	9.458	8.196	8.324	9.827	4.94	8.245	9.156	7.644	6.794
7/26/2013 9:00	8.663	6.036	8.498	5.865	7.841	5.562	8.903	5.587	9.185	8.089	7.623	9.888	9.46	8.198	8.337	9.834	4.982	8.247	9.164	7.646	6.621
7/26/2013 9:10	8.660	5.990	8.494	5.812	7.832	5.559	8.899	5.583	9.182	8.078	7.625	9.885	9.456	8.194	8.328	9.839	5.015	8.249	9.155	7.648	6.385
7/26/2013 9:20	8.658	5.942	8.492	5.744	7.829	5.551	8.891	5.564	9.181	8.070	7.617	9.882	9.454	8.186	8.32	9.817	5.024	8.241	9.152	7.64	6.131
7/26/2013 9:30	8.660	5.883	8.494	5.686	7.832	5.542	8.894	5.547	9.184	8.072	7.625	9.879	9.456	8.194	8.328	9.818	5.052	8.249	9.161	7.642	5.91
7/26/2013 9:40	8.654	5.805	8.485	5.599	7.822	5.518	8.884	5.508	9.174	8.078	7.615	9.869	9.441	8.185	8.318	9.81	5.059	8.245	9.151	7.638	5.594
7/26/2013 9:50	8.660	5.738	8.494	5.521	7.832	5.511	8.899	5.491	9.184	8.080	7.625	9.885	9.451	8.183	8.328	9.825	5.08	8.249	9.155	7.642	5.33

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/26/2013 10:00	8.660	5.646	8.485	5.429	7.828	5.488	8.889	5.445	9.180	8.068	7.621	9.875	9.439	8.185	8.324	9.827	5.09	8.251	9.151	7.638	5.054
7/26/2013 10:10	8.660	5.554	8.494	5.335	7.838	5.461	8.894	5.4	9.184	8.080	7.625	9.879	9.443	8.189	8.322	9.82	5.1	8.243	9.155	7.642	4.764
7/26/2013 10:20	8.658	5.435	8.486	5.212	7.824	5.445	8.891	5.346	9.181	8.070	7.617	9.877	9.4	8.171	8.32	9.815	5.097	8.241	9.147	7.634	4.401
7/26/2013 10:30	8.662	5.330	8.490	5.096	7.834	5.388	8.895	5.286	9.185	8.074	7.627	9.881	9.425	8.179	8.318	9.827	5.101	8.245	9.156	7.633	4.051
7/26/2013 10:40	8.660	5.198	8.500	4.964	7.832	5.343	8.899	5.21	9.182	8.078	7.625	9.885	9.443	8.179	8.322	9.831	5.1	8.255	9.151	7.637	3.692
7/26/2013 10:50	8.662	5.062	8.502	4.805	7.839	5.289	8.899	5.131	9.189	8.085	7.627	9.892	9.45	8.186	8.318	9.838	5.088	8.262	9.158	7.644	3.351
7/26/2013 11:00	8.652	4.888	8.492	4.617	7.835	5.218	8.882	5.041	9.174	8.068	7.617	9.867	9.44	8.171	8.32	9.815	5.055	8.247	9.147	7.628	2.899
7/26/2013 11:10	8.656	4.719	8.496	4.436	7.834	5.147	8.893	4.938	9.178	8.066	7.621	9.879	9.431	8.169	8.318	9.833	5.034	8.251	9.151	7.644	2.463
7/26/2013 11:20	8.645	4.517	8.485	4.217	7.822	5.050	8.874	4.806	9.166	8.060	7.615	9.860	9.42	8.158	8.301	9.821	4.994	8.239	9.139	7.627	2.032
7/26/2013 11:30	8.650	4.337	8.496	4.015	7.834	4.975	8.886	4.693	9.184	8.072	7.621	9.871	9.437	8.164	8.318	9.825	4.975	8.245	9.151	7.633	1.609
7/26/2013 11:40	8.649	4.124	8.489	3.785	7.832	4.879	8.884	4.552	9.176	8.070	7.619	9.870	9.435	8.156	8.311	9.823	4.933	8.238	9.138	7.625	1.219
7/26/2013 11:50	8.650	3.919	8.490	3.559	7.828	4.789	8.886	4.421	9.178	8.072	7.615	9.871	9.437	8.158	8.312	9.812	4.887	8.239	9.139	7.623	0.792
7/26/2013 12:00	8.654	3.700	8.483	3.322	7.820	4.682	8.876	4.269	9.176	8.070	7.614	9.870	9.435	8.156	8.305	9.816	4.839	8.238	9.143	7.625	0.387
7/26/2013 12:10	8.643	3.464	8.477	3.069	7.820	4.560	8.878	4.11	9.163	8.059	7.608	9.885	9.437	8.147	8.299	9.804	4.774	8.232	9.132	7.616	-0.032
7/26/2013 12:20	8.650	3.263	8.485	2.838	7.816	4.456	8.886	3.962	9.170	8.066	7.615	9.864	9.431	8.148	8.307	9.819	4.688	8.234	9.133	7.621	-0.362
7/26/2013 12:30	8.645	3.037	8.479	2.604	7.822	4.330	8.878	3.807	9.162	8.066	7.610	9.864	9.431	8.142	8.301	9.812	4.623	8.234	9.133	7.621	-0.712
7/26/2013 12:40	8.641	2.827	8.479	2.372	7.822	4.206	8.886	3.654	9.170	8.066	7.610	9.864	9.424	8.142	8.295	9.804	4.546	8.228	9.133	7.617	-1.095
7/26/2013 12:50	8.641	2.620	8.473	2.145	7.811	4.089	8.878	3.491	9.170	8.058	7.610	9.856	9.424	8.137	8.295	9.806	4.481	8.222	9.133	7.612	-1.369
7/26/2013 13:00	8.641	2.423	8.479	1.930	7.816	3.953	8.878	3.344	9.170	8.058	7.598	9.856	9.418	8.137	8.295	9.804	4.399	8.228	9.128	7.617	-1.627
7/26/2013 13:10	8.645	2.234	8.483	1.735	7.826	3.863	8.882	3.201	9.172	8.061	7.608	9.866	9.428	8.141	8.293	9.822	4.332	8.226	9.143	7.616	-1.896
7/26/2013 13:20	8.641	2.071	8.485	1.561	7.822	3.748	8.884	3.063	9.174	8.062	7.610	9.867	9.422	8.142	8.295	9.81	4.251	8.228	9.132	7.606	-2.077
7/26/2013 13:30	8.645	1.904	8.483	1.395	7.824	3.647	8.880	2.933	9.170	8.066	7.608	9.866	9.426	8.143	8.293	9.82	4.173	8.232	9.138	7.616	-2.254
7/26/2013 13:40	8.645	1.761	8.489	1.247	7.820	3.549	8.880	2.806	9.178	8.066	7.602	9.866	9.412	8.143	8.293	9.806	4.085	8.232	9.136	7.604	-2.415
7/26/2013 13:50	8.646	1.619	8.490	1.113	7.820	3.451	8.882	2.689	9.172	8.068	7.604	9.860	9.414	8.139	8.289	9.808	4.005	8.234	9.133	7.606	-2.498
7/26/2013 14:00	8.639	1.508	8.477	1.014	7.819	3.369	8.872	2.582	9.165	8.066	7.596	9.858	9.42	8.131	8.288	9.806	3.921	8.226	9.13	7.604	-2.576
7/26/2013 14:10	8.647	1.424	8.494	0.951	7.830	3.301	8.884	2.51	9.176	8.070	7.602	9.862	9.424	8.137	8.288	9.81	3.85	8.238	9.136	7.616	-2.551
7/26/2013 14:20	8.643	1.343	8.485	0.897	7.826	3.229	8.880	2.431	9.178	8.066	7.592	9.865	9.42	8.133	8.289	9.8	3.769	8.234	9.139	7.602	-2.568
7/26/2013 14:30	8.647	1.300	8.483	0.870	7.830	3.172	8.884	2.368	9.176	8.070	7.596	9.870	9.418	8.131	8.288	9.81	3.697	8.232	9.136	7.61	-2.474
7/26/2013 14:40	8.648	1.273	8.485	0.874	7.832	3.130	8.886	2.331	9.178	8.072	7.592	9.871	9.42	8.139	8.295	9.806	3.622	8.234	9.143	7.612	-2.325
7/26/2013 14:50	8.647	1.286	8.483	0.930	7.824	3.103	8.882	2.315	9.182	8.076	7.591	9.868	9.416	8.143	8.293	9.816	3.572	8.232	9.141	7.616	-2.126
7/26/2013 15:00	8.641	1.305	8.483	0.968	7.824	3.079	8.882	2.297	9.182	8.068	7.591	9.860	9.424	8.131	8.288	9.816	3.502	8.226	9.141	7.612	-1.923
7/26/2013 15:10	8.643	1.349	8.481	1.042	7.826	3.074	8.878	2.307	9.176	8.062	7.587	9.869	9.418	8.129	8.284	9.81	3.44	8.222	9.132	7.608	-1.705
7/26/2013 15:20	8.643	1.410	8.481	1.140	7.820	3.074	8.884	2.328	9.168	8.070	7.587	9.862	9.418	8.129	8.284	9.804	3.392	8.222	9.137	7.602	-1.432
7/26/2013 15:30	8.648	1.500	8.492	1.261	7.832	3.092	8.889	2.366	9.180	8.081	7.598	9.873	9.424	8.135	8.291	9.823	3.35	8.234	9.149	7.613	-1.148
7/26/2013 15:40	8.653	1.591	8.491	1.387	7.830	3.103	8.888	2.406	9.186	8.072	7.589	9.866	9.428	8.139	8.284	9.814	3.331	8.232	9.147	7.606	-0.842
7/26/2013 15:50	8.637	1.690	8.486	1.519	7.826	3.130	8.884	2.46	9.174	8.068	7.585	9.862	9.418	8.135	8.28	9.804	3.281	8.222	9.137	7.596	-0.482
7/26/2013 16:00	8.637	1.812	8.486	1.661	7.822	3.161	8.884	2.515	9.174	8.062	7.581	9.862	9.418	8.129	8.274	9.804	3.245	8.222	9.137	7.602	-0.19
7/26/2013 16:10	8.647	1.954	8.473	1.827	7.820	3.209	8.888	2.59	9.178	8.059	7.574	9.866	9.414	8.127	8.272	9.808	3.226	8.22	9.141	7.6	0.214
7/26/2013 16:20	8.641	2.115	8.485	2.013	7.815	3.258	8.888	2.667	9.170	8.066	7.574	9.866	9.414	8.127	8.278	9.814	3.201	8.22	9.141	7.595	0.655
7/26/2013 16:30	8.649	2.280	8.485	2.218	7.826	3.331	8.892	2.78	9.182	8.070	7.585	9.877	9.426	8.139	8.284	9.818	3.207	8.226	9.147	7.606	1.066
7/26/2013 16:40	8.639	2.440	8.475	2.399	7.816	3.390	8.882	2.862	9.166	8.060	7.569	9.860	9.416	8.118	8.274	9.802	3.197	8.216	9.132	7.59	1.474
7/26/2013 16:50	8.639	2.631	8.469	2.617	7.816	3.457	8.889	2.98	9.166	8.060	7.573	9.860	9.41	8.123	8.268	9.81	3.21	8.216	9.132	7.59	1.958
7/26/2013 17:00	8.637	2.840	8.479	2.832	7.820	3.553	8.892	3.109	9.176	8.070	7.577	9.862	9.412	8.124	8.272	9.818	3.226	8.219	9.147	7.6	2.442
7/26/2013 17:10	8.633	3.022	8.475	3.050	7.811	3.629	8.872	3.221	9.172	8.058	7.568	9.850	9.416	8.119	8.263	9.8	3.233	8.209	9.132	7.587	2.899
7/26/2013 17:20	8.631	3.242	8.473	3.278	7.820	3.733	8.882	3.359	9.174	8.061	7.572	9.860	9.418	8.124	8.267	9.818	3.272	8.219	9.136	7.596	3.388
7/26/2013 17:30	8.633	3.445	8.469	3.490	7.816	3.821	8.878	3.482	9.170	8.057	7.568	9.850	9.401	8.119	8.263	9.8	3.298	8.209	9.126	7.587	3.86
7/26/2013 17:40	8.649	3.673	8.479	3.720	7.826	3.917	8.882	3.633	9.180	8.066	7.577	9.860	9.424	8.124	8.267	9.816	3.343	8.213	9.141	7.591	4.343
7/26/2013 17:50	8.637	3.885	8.479	3.936	7.820	4.016	8.888	3.767	9.172	8.066	7.577	9.860	9.41	8.124	8.267	9.822	3.391	8.213	9.141	7.591	4.863
7/26/2013 18:00	8.649	4.088	8.485	4.145	7.826	4.120	8.888	3.907	9.170	8.072	7.583	9.866	9.416	8.129	8.267	9.816	3.436	8.219	9.147	7.596	5.326
7/26/2013 18:10	8.644	4.309	8.486	4.345	7.827	4.214	8.894	4.04	9.179	8.067	7.580	9.867	9.417	8.124	8.267	9.815	3.491	8.219	9.142	7.592	5.804
7/26/2013 18:20	8.644	4.506	8.480	4.542	7.827	4.306	8.889	4.176	9.173	8.065	7.578	9.859	9.417	8.124	8.267	9.815	3.544	8.219	9.136	7.592	6.209
7/26/2013 18:30	8.643	4.718	8.485	4.750	7.826	4.405	8.888	4.301	9.172	8.064	7.574	9.858	9.41	8.124	8.261	9.816	3.607	8.219	9.136	7.585	6.658
7/26/2013 18:40	8.639	4.923	8.479	4.932	7.815	4.504	8.880	4.443	9.170	8.066	7.572	9.858	9.41	8.118	8.249	9.814	3.666	8.213	9.136	7.579	7.074
7/26/2013 18:50	8.645	5.106	8.485	5.113	7.820	4.608	8.886	4.567	9.170	8.064	7.579	9.856	9.416	8.124	8.261	9.82	3.737	8.213	9.141	7.585	7.389
7/26/2013 19:00	8.645	5.298	8.473	5.299	7.815	4.707	8.878	4.697	9.170	8.064	7.579	9.856	9.416	8.118	8.255	9.82	3.808	8.207	9.128	7.585	7.809
7/26/2013 19:10	8.645	5.489	8.485	5.481	7.815	4.805	8.892	4.824	9.176	8.063	7.579	9.862	9.414	8.124	8.251	9.825	3.884	8.219	9.141	7.585	8.163
7/26/2013 19:20	8.639	5.654	8.473	5.630	7.815	4.893	8.886	4.936	9.170	8.064	7.574	9.856	9.409	8.118	8.246	9.814	3.953	8.213	9.136	7.579	8.444
7/26/2013 19:30	8.645	5.824	8.479	5.789	7.826	4.990	8.884	5.059	9.169	8.070	7.585	9.862	9.414	8.124	8.255	9.82	4.035	8.213	9.145	7.585	8.737
7/26/2013 19:40	8.623	5.959	8.463	5.910	7.804	5.060	8.868	5.154	9.160	8.046	7.574	9.845	9.398	8.103	8.239	9.809	4.101	8.196	9.131	7.569	8.958
7/26/2013 19:50	8.645	6.111	8.485	6.042	7.820	5.163	8.892	5.275	9.176	8.063	7.585	9.854	9.422	8.124	8.261	9.818	4.196	8.219	9.141	7.585	9.121
7/26/2013 20:00	8.639	6.235	8.479	6.172	7.820	5.237	8.894	5.359	9.170	8.057	7.579	9.856	9.416	8.124	8.261	9.814	4.271	8.213	9.136	7.585	9.298
7/26/2013 20:10	8.639	6.358	8.473	6.267	7.826	5.312	8.886	5.459	9.176	8.064	7.585	9.856	9.422	8.124	8.255	9.82	4.349	8.213	9.141	7.585	9.431
7/26/2013 20:20	8.634	6.464	8.468	6.366	7.804	5.382	8.868	5.531	9.166	8.054	7.580	9.853	9.411	8.119	8.25	9.809	4.413	8.202	9.131	7.58	9.539
7/26/2013 20:30	8.628	6.552	8.463	6.442	7.810	5.451	8.868	5.622	9.160	8.054	7.574	9.838	9.406	8.119	8.25	9.817	4.49	8.196	9.129	7.58	9.603
7/26/2013 20:40	8.637	6.662	8.468	6.545	7.820	5.517	8.882	5.708	9.165	8.053	7.579	9.852	9.41	8.124	8.255	9.808	4.571	8.207	9.136	7.579	9.726
7/26/2013 20:50	8.639	6.719	8.463	6.591	7.811	5.576	8.872	5.767	9.162	8.051	7.575	9.842	9.401	8.125	8.257	9.8	4.638	8.197	9.137	7.575	9.669
7/26/2013 21:00	8.633	6.796	8.463	6.646	7.811	5.631	8.866	5.83	9.157	8.045	7.581	9.844	9.408	8.123	8.263	9.808	4.709	8.209	9.137	7.581	9.705
7/26/2013 21:10	8.633	6.838	8.463	6.679	7.805	5.681	8.866	5.882	9.159	8.045	7.581	9.844	9.402	8.129	8.263	9.808	4.774	8.199	9.132	7.581	9.615
7/26/2013 21:20	8.639	6.880	8.469	6.702	7.816	5.725	8.874	5.931	9.166	8.060	7.592	9.852	9.41	8.141	8.274	9.808	4.851	8.209	9.137	7.585	9.51
7/26/2013 21:30	8.627	6.895	8.458	6.711	7.811	5.756	8.870	5.97	9.155	8.057	7.587	9.841	9.404	8.139	8.268	9.804	4.904	8.203	9.132	7.585	9.366
7/26/2013 21:40	8.635	6.907	8.473	6.709	7.809	5.790	8.882	5.993	9.159	8.053	7.596	9.852	9.403	8.148	8.278	9.808	4.968	8.213	9.141	7.595	9.209
7/26/2013 21:50	8.647	6.913	8.471	6.704	7.820	5.821	8.882	6.022	9.172	8.061	7.596	9.852	9.409	8.154	8.288	9.816	5.025	8.219	9.136	7.6	9.049
7/26/2013 22:00	8.637	6.895	8.479	6.688	7.822	5.855	8.878	6.039	9.168	8.064	7.604	9.856	9.412	8.156	8.291	9.812	5.074	8.222	9.137	7.596	8.874
7/26/2013 22:10	8.647	6.873	8.477	6.654	7.815	5.865	8.876	6.052	9.167	8.055	7.596	9.854	9.41	8.16	8.29	9.816	5.134	8.22	9.13	7.606	8.658

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/26/2013 22:20	8.643	6.834	8.473	6.606	7.811	5.880	8.878	6.046	9.170	8.058	7.598	9.850	9.412	8.16	8.295	9.814	5.178	8.211	9.139	7.602	8.394
7/26/2013 22:30	8.641	6.802	8.473	6.562	7.811	5.880	8.872	6.04	9.164	8.053	7.598	9.850	9.406	8.16	8.289	9.808	5.214	8.211	9.132	7.606	8.18
7/26/2013 22:40	8.647	6.750	8.483	6.510	7.820	5.890	8.882	6.043	9.174	8.063	7.614	9.854	9.416	8.175	8.305	9.823	5.258	8.22	9.136	7.612	7.916
7/26/2013 22:50	8.646	6.691	8.479	6.447	7.816	5.886	8.872	6.025	9.162	8.058	7.610	9.850	9.399	8.171	8.301	9.812	5.285	8.222	9.139	7.608	7.646
7/26/2013 23:00	8.651	6.620	8.483	6.375	7.815	5.884	8.882	6.002	9.174	8.068	7.614	9.860	9.41	8.181	8.311	9.823	5.325	8.22	9.143	7.616	7.359
7/26/2013 23:10	8.641	6.536	8.479	6.286	7.816	5.861	8.866	5.972	9.172	8.058	7.610	9.850	9.401	8.177	8.307	9.808	5.339	8.228	9.143	7.612	7.052
7/26/2013 23:20	8.645	6.452	8.477	6.193	7.815	5.842	8.871	5.941	9.155	8.064	7.614	9.856	9.405	8.179	8.311	9.82	5.362	8.226	9.132	7.616	6.727
7/26/2013 23:30	8.645	6.348	8.477	6.087	7.820	5.823	8.871	5.899	9.170	8.057	7.614	9.848	9.412	8.179	8.316	9.804	5.373	8.215	9.138	7.621	6.371
7/26/2013 23:40	8.641	6.239	8.477	5.969	7.820	5.792	8.878	5.849	9.163	8.064	7.619	9.856	9.412	8.179	8.316	9.812	5.385	8.232	9.143	7.627	5.971
7/26/2013 23:50	8.656	6.109	8.489	5.844	7.826	5.762	8.884	5.8	9.169	8.070	7.625	9.862	9.424	8.196	8.334	9.823	5.396	8.232	9.147	7.633	5.589
7/27/2013 0:00	8.639	5.960	8.477	5.682	7.820	5.706	8.865	5.71	9.165	8.066	7.619	9.850	9.399	8.185	8.322	9.814	5.385	8.232	9.138	7.627	5.122
7/27/2013 0:10	8.641	5.810	8.479	5.523	7.828	5.658	8.874	5.633	9.166	8.068	7.621	9.852	9.414	8.186	8.324	9.821	5.386	8.228	9.145	7.629	4.673
7/27/2013 0:20	8.633	5.646	8.471	5.356	7.820	5.595	8.874	5.537	9.165	8.061	7.614	9.852	9.407	8.185	8.322	9.808	5.368	8.22	9.138	7.627	4.239
7/27/2013 0:30	8.646	5.483	8.473	5.195	7.828	5.541	8.882	5.455	9.172	8.068	7.621	9.860	9.422	8.192	8.33	9.816	5.358	8.228	9.145	7.64	3.806
7/27/2013 0:40	8.641	5.299	8.485	5.004	7.816	5.461	8.876	5.342	9.166	8.062	7.627	9.854	9.408	8.186	8.33	9.81	5.333	8.228	9.145	7.638	3.37
7/27/2013 0:50	8.635	5.116	8.479	4.809	7.828	5.381	8.876	5.237	9.166	8.062	7.615	9.854	9.416	8.186	8.324	9.816	5.304	8.228	9.139	7.634	2.943
7/27/2013 1:00	8.639	4.940	8.483	4.623	7.826	5.310	8.880	5.122	9.170	8.066	7.625	9.858	9.412	8.191	8.328	9.814	5.272	8.232	9.143	7.639	2.53
7/27/2013 1:10	8.635	4.752	8.473	4.424	7.822	5.220	8.876	5.007	9.168	8.062	7.621	9.854	9.408	8.186	8.324	9.81	5.231	8.228	9.145	7.634	2.182
7/27/2013 1:20	8.641	4.566	8.479	4.227	7.834	5.139	8.874	4.885	9.172	8.060	7.627	9.860	9.414	8.192	8.33	9.821	5.195	8.239	9.145	7.64	1.818
7/27/2013 1:30	8.639	4.366	8.471	4.019	7.832	5.046	8.880	4.751	9.170	8.066	7.625	9.858	9.42	8.185	8.322	9.82	5.146	8.238	9.143	7.639	1.46
7/27/2013 1:40	8.646	4.184	8.485	3.823	7.834	4.954	8.882	4.626	9.166	8.068	7.627	9.860	9.414	8.192	8.335	9.816	5.099	8.245	9.145	7.644	1.139
7/27/2013 1:50	8.646	3.994	8.473	3.626	7.828	4.856	8.876	4.494	9.174	8.070	7.627	9.862	9.416	8.192	8.33	9.817	5.028	8.239	9.132	7.638	0.84
7/27/2013 2:00	8.646	3.808	8.479	3.440	7.828	4.762	8.884	4.37	9.174	8.070	7.621	9.854	9.422	8.192	8.335	9.816	4.975	8.245	9.145	7.644	0.58
7/27/2013 2:10	8.651	3.648	8.477	3.268	7.838	4.675	8.888	4.248	9.172	8.074	7.625	9.858	9.42	8.191	8.339	9.814	4.92	8.243	9.143	7.648	0.347
7/27/2013 2:20	8.658	3.493	8.485	3.109	7.839	4.575	8.889	4.127	9.180	8.076	7.633	9.873	9.427	8.198	8.341	9.823	4.858	8.251	9.151	7.65	0.145
7/27/2013 2:30	8.651	3.342	8.477	2.960	7.843	4.483	8.882	4.016	9.172	8.076	7.625	9.860	9.42	8.194	8.334	9.816	4.786	8.238	9.143	7.648	-0.03
7/27/2013 2:40	8.646	3.207	8.490	2.830	7.839	4.405	8.884	3.918	9.174	8.083	7.633	9.867	9.422	8.196	8.341	9.823	4.722	8.245	9.145	7.656	-0.155
7/27/2013 2:50	8.641	3.085	8.473	2.713	7.834	4.318	8.878	3.801	9.170	8.072	7.621	9.856	9.41	8.185	8.33	9.812	4.646	8.234	9.145	7.65	-0.278
7/27/2013 3:00	8.656	2.987	8.502	2.615	7.845	4.263	8.889	3.721	9.182	8.083	7.633	9.875	9.429	8.196	8.341	9.823	4.592	8.245	9.151	7.656	-0.358
7/27/2013 3:10	8.654	2.890	8.494	2.520	7.843	4.187	8.888	3.635	9.180	8.082	7.625	9.873	9.428	8.194	8.334	9.822	4.527	8.249	9.149	7.66	-0.434
7/27/2013 3:20	8.654	2.810	8.494	2.459	7.838	4.125	8.882	3.566	9.174	8.070	7.619	9.868	9.422	8.194	8.339	9.816	4.457	8.243	9.143	7.648	-0.421
7/27/2013 3:30	8.645	2.739	8.479	2.407	7.834	4.066	8.872	3.493	9.164	8.066	7.610	9.858	9.412	8.185	8.335	9.814	4.382	8.234	9.139	7.644	-0.396
7/27/2013 3:40	8.651	2.706	8.489	2.388	7.843	4.020	8.882	3.453	9.174	8.076	7.619	9.868	9.414	8.189	8.339	9.816	4.332	8.249	9.149	7.654	-0.329
7/27/2013 3:50	8.639	2.674	8.483	2.375	7.843	3.984	8.876	3.405	9.176	8.078	7.614	9.862	9.416	8.194	8.334	9.823	4.267	8.243	9.143	7.66	-0.237
7/27/2013 4:00	8.652	2.695	8.490	2.418	7.845	3.966	8.891	3.392	9.176	8.078	7.621	9.869	9.424	8.196	8.341	9.825	4.217	8.251	9.151	7.667	-0.048
7/27/2013 4:10	8.648	2.704	8.492	2.454	7.847	3.951	8.880	3.382	9.179	8.081	7.617	9.865	9.419	8.192	8.337	9.821	4.165	8.247	9.147	7.663	0.13
7/27/2013 4:20	8.646	2.735	8.490	2.504	7.834	3.930	8.886	3.38	9.178	8.080	7.610	9.864	9.418	8.196	8.335	9.819	4.11	8.245	9.145	7.65	0.289
7/27/2013 4:30	8.641	2.765	8.485	2.562	7.839	3.918	8.880	3.388	9.172	8.066	7.610	9.858	9.418	8.185	8.33	9.819	4.064	8.239	9.133	7.656	0.486
7/27/2013 4:40	8.641	2.821	8.479	2.644	7.834	3.924	8.872	3.401	9.172	8.066	7.610	9.858	9.418	8.19	8.33	9.814	4.022	8.239	9.139	7.65	0.716
7/27/2013 4:50	8.652	2.899	8.502	2.728	7.851	3.949	8.891	3.442	9.184	8.085	7.621	9.877	9.424	8.202	8.335	9.817	3.999	8.251	9.145	7.656	0.93
7/27/2013 5:00	8.646	2.963	8.496	2.818	7.845	3.961	8.886	3.474	9.178	8.080	7.615	9.871	9.418	8.196	8.335	9.825	3.97	8.251	9.139	7.661	1.169
7/27/2013 5:10	8.648	3.052	8.492	2.920	7.847	3.981	8.887	3.518	9.179	8.074	7.611	9.865	9.425	8.198	8.337	9.827	3.947	8.258	9.141	7.657	1.423
7/27/2013 5:20	8.652	3.154	8.496	3.033	7.851	4.016	8.891	3.564	9.184	8.085	7.615	9.877	9.437	8.202	8.33	9.825	3.934	8.257	9.151	7.661	1.665
7/27/2013 5:30	8.651	3.244	8.494	3.144	7.855	4.045	8.890	3.612	9.182	8.084	7.614	9.875	9.435	8.2	8.334	9.823	3.921	8.249	9.149	7.66	1.95
7/27/2013 5:40	8.651	3.344	8.489	3.259	7.849	4.089	8.890	3.671	9.188	8.076	7.608	9.868	9.428	8.2	8.334	9.823	3.903	8.243	9.138	7.654	2.211
7/27/2013 5:50	8.650	3.462	8.485	3.408	7.845	4.127	8.886	3.74	9.178	8.080	7.610	9.871	9.424	8.196	8.33	9.819	3.899	8.245	9.139	7.65	2.53
7/27/2013 6:00	8.645	3.579	8.485	3.523	7.839	4.165	8.880	3.801	9.172	8.066	7.604	9.858	9.418	8.196	8.324	9.814	3.894	8.245	9.133	7.65	2.838
7/27/2013 6:10	8.650	3.696	8.485	3.662	7.839	4.215	8.872	3.88	9.172	8.066	7.604	9.865	9.418	8.196	8.33	9.819	3.899	8.239	9.139	7.644	3.137
7/27/2013 6:20	8.650	3.831	8.485	3.800	7.839	4.276	8.888	3.966	9.172	8.074	7.598	9.865	9.418	8.196	8.33	9.827	3.917	8.245	9.145	7.65	3.45
7/27/2013 6:30	8.650	3.967	8.485	3.932	7.839	4.332	8.882	4.044	9.166	8.060	7.598	9.860	9.425	8.19	8.324	9.814	3.922	8.239	9.139	7.65	3.787
7/27/2013 6:40	8.646	4.103	8.480	4.083	7.835	4.383	8.878	4.126	9.168	8.064	7.594	9.856	9.416	8.186	8.32	9.817	3.935	8.235	9.135	7.64	4.105
7/27/2013 6:50	8.650	4.237	8.485	4.221	7.839	4.450	8.882	4.207	9.172	8.076	7.598	9.867	9.42	8.196	8.33	9.821	3.964	8.245	9.139	7.65	4.407
7/27/2013 7:00	8.650	4.375	8.485	4.348	7.839	4.512	8.876	4.295	9.166	8.070	7.598	9.854	9.406	8.19	8.324	9.81	3.982	8.239	9.139	7.65	4.677
7/27/2013 7:10	8.650	4.505	8.485	4.491	7.834	4.567	8.884	4.379	9.174	8.070	7.592	9.862	9.414	8.19	8.324	9.816	4.018	8.245	9.133	7.644	5.003
7/27/2013 7:20	8.645	4.635	8.485	4.617	7.828	4.630	8.878	4.465	9.168	8.064	7.592	9.864	9.414	8.19	8.318	9.817	4.047	8.239	9.139	7.638	5.28
7/27/2013 7:30	8.648	4.752	8.485	4.732	7.828	4.686	8.878	4.55	9.168	8.064	7.587	9.864	9.414	8.19	8.312	9.81	4.081	8.245	9.133	7.644	5.494
7/27/2013 7:40	8.648	4.869	8.485	4.847	7.828	4.747	8.891	4.626	9.176	8.072	7.592	9.864	9.422	8.194	8.312	9.81	4.123	8.245	9.139	7.644	5.734
7/27/2013 7:50	8.654	4.997	8.485	4.952	7.834	4.808	8.884	4.705	9.168	8.064	7.592	9.869	9.414	8.19	8.318	9.823	4.163	8.245	9.145	7.642	5.937
7/27/2013 8:00	8.643	5.095	8.485	5.046	7.822	4.858	8.878	4.774	9.162	8.066	7.587	9.850	9.408	8.185	8.312	9.812	4.2	8.245	9.139	7.636	6.107
7/27/2013 8:10	8.648	5.204	8.490	5.132	7.834	4.908	8.886	4.842	9.162	8.066	7.598	9.858	9.422	8.188	8.307	9.817	4.248	8.245	9.141	7.636	6.27
7/27/2013 8:20	8.644	5.282	8.486	5.222	7.829	4.959	8.880	4.915	9.172	8.068	7.594	9.859	9.423	8.186	8.308	9.813	4.289	8.241	9.143	7.634	6.388
7/27/2013 8:30	8.639	5.368	8.490	5.293	7.828	5.007	8.878	4.974	9.162	8.058	7.587	9.858	9.422	8.185	8.307	9.812	4.336	8.239	9.133	7.633	6.505
7/27/2013 8:40	8.645	5.435	8.490	5.347	7.834	5.069	8.884	5.028	9.168	8.064	7.598	9.864	9.422	8.185	8.312	9.823	4.382	8.245	9.139	7.638	6.545
7/27/2013 8:50	8.650	5.494	8.486	5.396	7.835	5.101	8.880	5.083	9.164	8.068	7.600	9.865	9.423	8.186	8.314	9.806	4.425	8.247	9.143	7.634	6.56
7/27/2013 9:00	8.648	5.546	8.496	5.438	7.834	5.143	8.884	5.122	9.168	8.072	7.598	9.869	9.414	8.185	8.312	9.823	4.464	8.245	9.141	7.642	6.545
7/27/2013 9:10	8.654	5.586	8.496	5.482	7.834	5.180	8.891	5.162	9.168	8.072	7.604	9.869	9.422	8.19	8.312	9.823	4.512	8.251	9.151	7.638	6.543
7/27/2013 9:20	8.647	5.612	8.494	5.490	7.832	5.203	8.890	5.191	9.174	8.078	7.602	9.868	9.426	8.189	8.311	9.822	4.556	8.243	9.143	7.637	6.511
7/27/2013 9:30	8.644	5.630	8.492	5.503	7.835	5.220	8.880	5.213	9.172	8.068	7.600	9.865	9.423	8.18	8.308	9.813	4.59	8.247	9.147	7.634	6.434
7/27/2013 9:40	8.647	5.652	8.489	5.500	7.832	5.247	8.882	5.241	9.174	8.070	7.596	9.854	9.42	8.177	8.305	9.822	4.621	8.243	9.139	7.631	6.318
7/27/2013 9:50	8.645	5.640	8.485	5.490	7.834	5.266	8.878	5.246	9.168	8.072	7.598	9.864	9.422	8.179	8.307	9.81	4.665	8.245	9.139	7.633	6.178
7/27/2013 10:00	8.645	5.627	8.490	5.467	7.822	5.279	8.884	5.256	9.168	8.072	7.604	9.864	9.422	8.185	8.307	9.81	4.694	8.251	9.139	7.633	6.011
7/27/2013 10:10	8.643	5.585	8.489	5.433	7.820	5.283	8.876	5.25	9.167	8.070	7.602	9.862	9.42	8.177	8.299	9.802	4.715	8.238	9.132	7.631	5.849
7/27/2013 10:20	8.645	5.560	8.479	5.391	7.816	5.279	8.878	5.248	9.162	8.064	7.598	9.856	9.414	8.179	8.295	9.804	4.741	8.234	9.128	7.627	5.661
7/27/2013 10:30	8.650	5.513	8.486	5.337	7.818	5.281	8.872	5.236	9.156	8.066	7.606	9.858	9.416	8.18	8.297	9.811	4.766	8.235	9.135	7.634	5.45

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/27/2013 10:40	8.652	5.471	8.486	5.287	7.824	5.273	8.878	5.231	9.168	8.072	7.606	9.856	9.421	8.175	8.297	9.804	4.789	8.235	9.135	7.628	5.213
7/27/2013 10:50	8.646	5.408	8.480	5.228	7.824	5.262	8.878	5.21	9.170	8.064	7.600	9.856	9.416	8.169	8.302	9.811	4.806	8.235	9.135	7.617	5.002
7/27/2013 11:00	8.649	5.342	8.489	5.157	7.826	5.256	8.886	5.189	9.170	8.072	7.608	9.864	9.424	8.177	8.299	9.818	4.82	8.249	9.138	7.631	4.792
7/27/2013 11:10	8.633	5.263	8.485	5.073	7.811	5.222	8.876	5.137	9.153	8.055	7.598	9.846	9.406	8.164	8.284	9.794	4.818	8.228	9.122	7.61	4.53
7/27/2013 11:20	8.643	5.192	8.483	5.000	7.820	5.214	8.878	5.105	9.163	8.059	7.608	9.856	9.43	8.173	8.293	9.812	4.834	8.238	9.138	7.625	4.306
7/27/2013 11:30	8.639	5.102	8.483	4.897	7.820	5.176	8.878	5.053	9.155	8.059	7.596	9.856	9.416	8.173	8.293	9.82	4.862	8.232	9.126	7.616	3.994
7/27/2013 11:40	8.643	5.001	8.477	4.794	7.815	5.145	8.878	5.005	9.147	8.059	7.596	9.856	9.41	8.168	8.288	9.804	4.814	8.232	9.12	7.619	3.705
7/27/2013 11:50	8.645	4.895	8.485	4.675	7.811	5.103	8.878	4.94	9.162	8.064	7.604	9.856	9.418	8.164	8.289	9.804	4.822	8.234	9.128	7.621	3.384
7/27/2013 12:00	8.641	4.762	8.479	4.535	7.811	5.055	8.878	4.869	9.155	8.058	7.598	9.850	9.418	8.164	8.289	9.804	4.816	8.234	9.122	7.615	3.054
7/27/2013 12:10	8.641	4.637	8.485	4.392	7.822	5.005	8.878	4.797	9.162	8.057	7.604	9.856	9.416	8.169	8.284	9.81	4.81	8.234	9.128	7.621	2.717
7/27/2013 12:20	8.631	4.482	8.475	4.230	7.812	4.938	8.874	4.702	9.156	8.045	7.594	9.844	9.412	8.156	8.279	9.8	4.783	8.229	9.118	7.607	2.356
7/27/2013 12:30	8.641	4.340	8.485	4.080	7.816	4.881	8.882	4.611	9.166	8.068	7.604	9.860	9.422	8.165	8.284	9.802	4.768	8.239	9.132	7.617	2.057
7/27/2013 12:40	8.639	4.189	8.480	3.905	7.812	4.814	8.876	4.515	9.160	8.054	7.600	9.854	9.416	8.156	8.285	9.802	4.741	8.235	9.122	7.607	1.728
7/27/2013 12:50	8.639	4.026	8.486	3.729	7.812	4.739	8.874	4.415	9.158	8.052	7.606	9.846	9.416	8.156	8.285	9.802	4.712	8.235	9.127	7.607	1.383
7/27/2013 13:00	8.639	3.856	8.486	3.553	7.807	4.659	8.874	4.312	9.158	8.052	7.600	9.852	9.416	8.152	8.279	9.802	4.676	8.241	9.122	7.613	1.056
7/27/2013 13:10	8.639	3.691	8.492	3.369	7.812	4.578	8.874	4.191	9.156	8.052	7.594	9.858	9.414	8.156	8.285	9.808	4.636	8.235	9.122	7.609	0.752
7/27/2013 13:20	8.637	3.518	8.490	3.193	7.811	4.496	8.878	4.077	9.161	8.062	7.604	9.856	9.418	8.156	8.284	9.812	4.592	8.234	9.132	7.608	0.471
7/27/2013 13:30	8.643	3.359	8.490	3.017	7.811	4.408	8.884	3.96	9.166	8.062	7.604	9.862	9.41	8.15	8.286	9.802	4.55	8.239	9.126	7.608	0.189
7/27/2013 13:40	8.635	3.192	8.489	2.845	7.815	4.321	8.882	3.84	9.159	8.053	7.591	9.852	9.416	8.148	8.284	9.8	4.491	8.232	9.124	7.6	-0.076
7/27/2013 13:50	8.639	3.049	8.490	2.682	7.811	4.236	8.882	3.727	9.159	8.053	7.604	9.852	9.41	8.156	8.286	9.808	4.439	8.228	9.126	7.608	-0.295
7/27/2013 14:00	8.639	2.894	8.496	2.529	7.811	4.156	8.888	3.621	9.164	8.066	7.604	9.850	9.408	8.15	8.286	9.808	4.385	8.232	9.126	7.608	-0.484
7/27/2013 14:10	8.639	2.758	8.492	2.392	7.822	4.068	8.888	3.522	9.164	8.066	7.596	9.865	9.408	8.146	8.274	9.808	4.328	8.234	9.126	7.602	-0.653
7/27/2013 14:20	8.631	2.636	8.483	2.269	7.809	3.986	8.871	3.423	9.155	8.057	7.589	9.848	9.414	8.145	8.272	9.806	4.261	8.232	9.124	7.6	-0.786
7/27/2013 14:30	8.634	2.512	8.482	2.163	7.800	3.915	8.873	3.328	9.158	8.052	7.591	9.851	9.409	8.141	8.269	9.801	4.204	8.232	9.121	7.603	-0.897
7/27/2013 14:40	8.637	2.419	8.485	2.072	7.815	3.856	8.882	3.26	9.167	8.061	7.595	9.854	9.405	8.145	8.267	9.81	4.143	8.224	9.124	7.606	-0.938
7/27/2013 14:50	8.631	2.341	8.485	1.990	7.815	3.789	8.876	3.176	9.167	8.053	7.579	9.854	9.405	8.145	8.272	9.802	4.083	8.224	9.118	7.596	-0.999
7/27/2013 15:00	8.644	2.292	8.491	1.952	7.816	3.745	8.881	3.117	9.171	8.060	7.597	9.859	9.411	8.145	8.279	9.809	4.032	8.237	9.131	7.613	-0.981
7/27/2013 15:10	8.634	2.236	8.491	1.914	7.821	3.694	8.881	3.068	9.171	8.060	7.586	9.851	9.404	8.14	8.273	9.801	3.967	8.233	9.131	7.609	-0.944
7/27/2013 15:20	8.628	2.189	8.486	1.878	7.810	3.646	8.875	3.014	9.152	8.054	7.574	9.845	9.398	8.134	8.267	9.796	3.902	8.221	9.117	7.592	-0.895
7/27/2013 15:30	8.633	2.180	8.491	1.894	7.815	3.620	8.886	2.982	9.163	8.057	7.585	9.856	9.403	8.135	8.267	9.806	3.859	8.23	9.128	7.596	-0.779
7/27/2013 15:40	8.639	2.186	8.479	1.923	7.809	3.607	8.876	2.981	9.169	8.063	7.579	9.854	9.401	8.141	8.267	9.799	3.813	8.23	9.128	7.596	-0.62
7/27/2013 15:50	8.639	2.214	8.485	1.973	7.815	3.588	8.882	2.965	9.167	8.053	7.585	9.860	9.407	8.141	8.272	9.804	3.771	8.23	9.128	7.602	-0.432
7/27/2013 16:00	8.636	2.240	8.480	2.033	7.816	3.583	8.877	2.979	9.162	8.061	7.584	9.847	9.407	8.13	8.262	9.797	3.724	8.225	9.129	7.597	-0.256
7/27/2013 16:10	8.636	2.307	8.480	2.121	7.816	3.588	8.883	2.993	9.167	8.052	7.580	9.845	9.4	8.136	8.267	9.811	3.696	8.225	9.123	7.597	-0.007
7/27/2013 16:20	8.629	2.374	8.473	2.205	7.802	3.598	8.881	3.012	9.158	8.052	7.582	9.851	9.398	8.125	8.26	9.796	3.654	8.223	9.121	7.59	0.229
7/27/2013 16:30	8.636	2.470	8.480	2.322	7.816	3.625	8.887	3.06	9.164	8.058	7.584	9.857	9.411	8.132	8.264	9.815	3.636	8.219	9.135	7.593	0.529
7/27/2013 16:40	8.636	2.558	8.474	2.433	7.816	3.650	8.871	3.106	9.164	8.050	7.578	9.849	9.392	8.126	8.256	9.801	3.613	8.225	9.117	7.588	0.797
7/27/2013 16:50	8.632	2.677	8.480	2.567	7.810	3.686	8.885	3.165	9.162	8.056	7.578	9.849	9.411	8.126	8.258	9.813	3.596	8.219	9.123	7.588	1.117
7/27/2013 17:00	8.636	2.807	8.484	2.718	7.814	3.727	8.881	3.242	9.166	8.060	7.582	9.846	9.408	8.125	8.256	9.803	3.587	8.223	9.133	7.592	1.458
7/27/2013 17:10	8.634	2.929	8.484	2.879	7.802	3.771	8.874	3.317	9.160	8.060	7.571	9.838	9.402	8.121	8.251	9.803	3.581	8.218	9.121	7.58	1.819
7/27/2013 17:20	8.627	3.069	8.474	3.028	7.804	3.822	8.875	3.395	9.162	8.054	7.572	9.840	9.404	8.117	8.246	9.797	3.577	8.219	9.115	7.576	2.16
7/27/2013 17:30	8.632	3.226	8.474	3.202	7.810	3.889	8.875	3.485	9.160	8.060	7.572	9.845	9.396	8.122	8.252	9.811	3.583	8.219	9.115	7.582	2.546
7/27/2013 17:40	8.619	3.393	8.467	3.377	7.802	3.950	8.868	3.575	9.145	8.045	7.565	9.830	9.389	8.109	8.245	9.796	3.593	8.206	9.108	7.575	2.966
7/27/2013 17:50	8.625	3.551	8.473	3.555	7.802	4.017	8.879	3.69	9.158	8.045	7.565	9.844	9.394	8.115	8.233	9.802	3.612	8.212	9.12	7.569	3.371
7/27/2013 18:00	8.628	3.735	8.474	3.740	7.810	4.105	8.887	3.802	9.164	8.058	7.578	9.842	9.4	8.117	8.241	9.809	3.648	8.214	9.127	7.578	3.788
7/27/2013 18:10	8.632	3.913	8.474	3.918	7.810	4.178	8.879	3.913	9.156	8.056	7.572	9.842	9.394	8.117	8.241	9.801	3.671	8.214	9.121	7.578	4.198
7/27/2013 18:20	8.627	4.103	8.478	4.121	7.814	4.262	8.875	4.032	9.160	8.054	7.571	9.840	9.404	8.121	8.256	9.805	3.705	8.212	9.125	7.582	4.658
7/27/2013 18:30	8.627	4.281	8.478	4.303	7.808	4.343	8.875	4.145	9.154	8.054	7.571	9.840	9.404	8.121	8.239	9.805	3.74	8.223	9.125	7.577	5.086
7/27/2013 18:40	8.632	4.466	8.474	4.486	7.810	4.425	8.877	4.26	9.156	8.048	7.572	9.847	9.4	8.119	8.241	9.807	3.784	8.208	9.115	7.578	5.519
7/27/2013 18:50	8.633	4.648	8.474	4.655	7.814	4.509	8.874	4.375	9.160	8.052	7.571	9.846	9.396	8.123	8.239	9.811	3.828	8.212	9.12	7.571	5.89
7/27/2013 19:00	8.621	4.820	8.463	4.824	7.802	4.590	8.868	4.482	9.154	8.046	7.559	9.832	9.39	8.106	8.233	9.792	3.876	8.212	9.114	7.565	6.29
7/27/2013 19:10	8.633	5.002	8.474	5.005	7.814	4.682	8.879	4.597	9.158	8.058	7.571	9.851	9.402	8.117	8.245	9.803	3.939	8.212	9.114	7.571	6.7
7/27/2013 19:20	8.628	5.170	8.459	5.160	7.804	4.752	8.869	4.696	9.148	8.040	7.567	9.834	9.379	8.107	8.235	9.799	3.988	8.196	9.11	7.561	7.03
7/27/2013 19:30	8.633	5.345	8.469	5.329	7.808	4.848	8.872	4.828	9.158	8.050	7.577	9.844	9.389	8.117	8.239	9.803	4.052	8.212	9.12	7.571	7.385
7/27/2013 19:40	8.638	5.507	8.474	5.480	7.808	4.942	8.877	4.936	9.156	8.056	7.577	9.842	9.394	8.117	8.239	9.809	4.123	8.218	9.125	7.577	7.712
7/27/2013 19:50	8.628	5.676	8.470	5.642	7.810	5.018	8.873	5.044	9.152	8.044	7.572	9.838	9.39	8.113	8.235	9.811	4.182	8.214	9.115	7.572	8.039
7/27/2013 20:00	8.628	5.825	8.470	5.776	7.810	5.097	8.868	5.142	9.160	8.052	7.572	9.845	9.39	8.113	8.229	9.805	4.247	8.208	9.121	7.567	8.303
7/27/2013 20:10	8.621	5.967	8.457	5.912	7.802	5.170	8.866	5.244	9.150	8.043	7.565	9.836	9.389	8.111	8.228	9.809	4.31	8.206	9.114	7.565	8.546
7/27/2013 20:20	8.628	6.112	8.470	6.046	7.804	5.263	8.879	5.349	9.158	8.058	7.572	9.844	9.396	8.119	8.235	9.811	4.388	8.214	9.121	7.567	8.776
7/27/2013 20:30	8.625	6.242	8.470	6.165	7.810	5.338	8.873	5.448	9.158	8.050	7.572	9.836	9.39	8.119	8.241	9.811	4.459	8.208	9.127	7.567	8.965
7/27/2013 20:40	8.634	6.370	8.476	6.282	7.816	5.412	8.879	5.54	9.158	8.048	7.578	9.842	9.396	8.124	8.246	9.817	4.53	8.212	9.121	7.572	9.126
7/27/2013 20:50	8.627	6.472	8.469	6.368	7.808	5.478	8.872	5.617	9.156	8.041	7.571	9.834	9.394	8.123	8.239	9.802	4.592	8.212	9.12	7.565	9.258
7/27/2013 21:00	8.623	6.564	8.459	6.446	7.810	5.542	8.860	5.689	9.152	8.044	7.572	9.830	9.384	8.119	8.241	9.797	4.658	8.2	9.115	7.561	9.344
7/27/2013 21:10	8.627	6.650	8.463	6.521	7.814	5.602	8.872	5.762	9.156	8.048	7.582	9.842	9.389	8.129	8.239	9.802	4.733	8.204	9.12	7.571	9.377
7/27/2013 21:20	8.623	6.725	8.469	6.586	7.814	5.663	8.864	5.831	9.156	8.048	7.582	9.842	9.394	8.134	8.245	9.802	4.804	8.204	9.12	7.565	9.398
7/27/2013 21:30	8.617	6.784	8.465	6.632	7.810	5.703	8.862	5.885	9.146	8.046	7.578	9.832	9.384	8.134	8.241	9.799	4.859	8.202	9.121	7.567	9.402
7/27/2013 21:40	8.628	6.837	8.476	6.664	7.816	5.759	8.873	5.942	9.152	8.044	7.590	9.845	9.398	8.145	8.246	9.805	4.93	8.208	9.127	7.572	9.339
7/27/2013 21:50	8.623	6.866	8.470	6.693	7.810	5.795	8.862	5.984	9.154	8.046	7.584	9.832	9.392	8.14	8.252	9.799	4.989	8.196	9.121	7.567	9.27
7/27/2013 22:00	8.623	6.898	8.470	6.714	7.816	5.845	8.873	6.032	9.160	8.052	7.590	9.838	9.398	8.151	8.258	9.797	5.053	8.208	9.121	7.572	9.183
7/27/2013 22:10	8.628	6.919	8.476	6.720	7.816	5.870	8.860	6.061	9.160	8.052	7.590	9.838	9.39	8.145	8.258	9.811	5.106	8.196	9.115	7.572	9.059
7/27/2013 22:20	8.623	6.919	8.470	6.716	7.816	5.900	8.868	6.089	9.160	8.044	7.595	9.838	9.39	8.157	8.258	9.797	5.16	8.202	9.115	7.572	8.912
7/27/2013 22:30	8.628	6.918	8.476	6.705	7.821	5.925	8.866	6.109	9.158	8.058	7.595	9.836	9.396	8.163	8.269	9.811	5.219	8.208	9.127	7.584	8.743
7/27/2013 22:40	8.623	6.898	8.482	6.687	7.816	5.944	8.860	6.116	9.152	8.052	7.595	9.838	9.404	8.163	8.269	9.805	5.267	8.202	9.133	7.59	8.561
7/27/2013 22:50	8.623	6.866	8.470	6.647	7.816	5.950	8.854	6.11	9.154	8.046	7.601	9.840	9.392	8.161	8.269	9.799	5.303	8.202	9.121	7.584	8.347

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/27/2013 23:00	8.627	6.836	8.469	6.603	7.814	5.968	8.858	6.115	9.158	8.058	7.605	9.844	9.402	8.165	8.273	9.803	5.344	8.206	9.131	7.588	8.133
7/27/2013 23:10	8.628	6.797	8.476	6.561	7.821	5.969	8.873	6.116	9.160	8.060	7.613	9.838	9.404	8.172	8.281	9.811	5.38	8.214	9.138	7.59	7.913
7/27/2013 23:20	8.633	6.732	8.480	6.498	7.820	5.968	8.858	6.099	9.158	8.050	7.611	9.836	9.402	8.176	8.285	9.809	5.415	8.212	9.137	7.594	7.643
7/27/2013 23:30	8.634	6.667	8.470	6.429	7.827	5.962	8.868	6.082	9.160	8.052	7.607	9.845	9.39	8.184	8.287	9.811	5.439	8.219	9.127	7.595	7.367
7/27/2013 23:40	8.640	6.611	8.476	6.364	7.833	5.956	8.873	6.066	9.158	8.058	7.618	9.844	9.404	8.184	8.298	9.803	5.47	8.225	9.138	7.601	7.107
7/27/2013 23:50	8.621	6.516	8.469	6.257	7.820	5.929	8.860	6.019	9.145	8.045	7.599	9.838	9.39	8.176	8.285	9.79	5.474	8.206	9.12	7.588	6.77
7/28/2013 0:00	8.624	6.424	8.466	6.168	7.823	5.915	8.869	5.984	9.148	8.055	7.609	9.841	9.394	8.185	8.288	9.793	5.491	8.215	9.129	7.595	6.431
7/28/2013 0:10	8.623	6.319	8.465	6.052	7.821	5.883	8.868	5.932	9.154	8.054	7.607	9.832	9.392	8.184	8.287	9.799	5.5	8.214	9.121	7.593	6.072
7/28/2013 0:20	8.638	6.204	8.480	5.949	7.837	5.866	8.877	5.894	9.156	8.054	7.622	9.848	9.4	8.199	8.302	9.807	5.522	8.223	9.131	7.609	5.706
7/28/2013 0:30	8.628	6.070	8.474	5.805	7.827	5.820	8.873	5.82	9.150	8.058	7.618	9.844	9.404	8.189	8.298	9.811	5.518	8.219	9.121	7.605	5.281
7/28/2013 0:40	8.634	5.940	8.476	5.667	7.827	5.770	8.873	5.749	9.150	8.058	7.613	9.836	9.404	8.195	8.304	9.803	5.512	8.219	9.133	7.611	4.887
7/28/2013 0:50	8.638	5.781	8.484	5.511	7.831	5.719	8.872	5.676	9.149	8.056	7.622	9.842	9.402	8.194	8.302	9.809	5.504	8.223	9.131	7.609	4.46
7/28/2013 1:00	8.640	5.626	8.486	5.353	7.827	5.659	8.879	5.582	9.158	8.058	7.624	9.844	9.409	8.199	8.298	9.803	5.487	8.225	9.138	7.616	4.033
7/28/2013 1:10	8.633	5.454	8.484	5.166	7.831	5.596	8.872	5.481	9.156	8.064	7.622	9.850	9.402	8.197	8.306	9.809	5.462	8.223	9.131	7.615	3.588
7/28/2013 1:20	8.633	5.276	8.478	4.975	7.825	5.522	8.872	5.368	9.156	8.056	7.622	9.842	9.408	8.197	8.306	9.809	5.438	8.223	9.131	7.615	3.161
7/28/2013 1:30	8.634	5.086	8.480	4.777	7.833	5.443	8.873	5.259	9.158	8.065	7.624	9.851	9.409	8.199	8.308	9.817	5.41	8.219	9.133	7.628	2.742
7/28/2013 1:40	8.634	4.895	8.480	4.573	7.827	5.357	8.866	5.146	9.158	8.058	7.624	9.844	9.404	8.199	8.308	9.803	5.374	8.219	9.133	7.628	2.343
7/28/2013 1:50	8.630	4.697	8.476	4.367	7.834	5.265	8.875	5.016	9.159	8.067	7.626	9.845	9.411	8.201	8.309	9.805	5.334	8.227	9.134	7.624	1.947
7/28/2013 2:00	8.646	4.510	8.486	4.163	7.838	5.183	8.885	4.893	9.164	8.071	7.630	9.857	9.415	8.211	8.313	9.817	5.29	8.231	9.138	7.634	1.603
7/28/2013 2:10	8.636	4.309	8.482	3.946	7.834	5.081	8.875	4.755	9.159	8.067	7.626	9.845	9.411	8.201	8.309	9.805	5.232	8.227	9.134	7.624	1.241
7/28/2013 2:20	8.634	4.100	8.480	3.742	7.833	4.980	8.873	4.616	9.158	8.065	7.618	9.851	9.409	8.199	8.308	9.811	5.177	8.225	9.127	7.616	0.883
7/28/2013 2:30	8.623	3.911	8.470	3.522	7.821	4.875	8.868	4.47	9.146	8.060	7.618	9.838	9.404	8.189	8.302	9.797	5.112	8.214	9.115	7.622	0.583
7/28/2013 2:40	8.640	3.733	8.482	3.340	7.833	4.775	8.879	4.346	9.164	8.063	7.630	9.849	9.409	8.201	8.313	9.817	5.058	8.231	9.133	7.628	0.301
7/28/2013 2:50	8.628	3.547	8.470	3.143	7.827	4.672	8.868	4.2	9.144	8.060	7.618	9.838	9.404	8.193	8.308	9.797	4.982	8.219	9.121	7.616	0.058
7/28/2013 3:00	8.638	3.377	8.480	2.977	7.837	4.582	8.872	4.088	9.156	8.071	7.622	9.857	9.408	8.197	8.312	9.809	4.923	8.229	9.131	7.626	-0.161
7/28/2013 3:10	8.640	3.218	8.488	2.819	7.838	4.492	8.879	3.967	9.158	8.073	7.624	9.859	9.409	8.205	8.313	9.824	4.848	8.231	9.133	7.634	-0.355
7/28/2013 3:20	8.638	3.069	8.480	2.663	7.841	4.398	8.872	3.847	9.164	8.071	7.622	9.857	9.415	8.203	8.312	9.823	4.781	8.229	9.131	7.638	-0.525
7/28/2013 3:30	8.634	2.935	8.476	2.532	7.833	4.306	8.873	3.737	9.160	8.067	7.618	9.845	9.404	8.199	8.308	9.811	4.706	8.225	9.127	7.628	-0.669
7/28/2013 3:40	8.640	2.805	8.482	2.400	7.833	4.220	8.868	3.624	9.160	8.075	7.618	9.853	9.411	8.199	8.308	9.805	4.63	8.225	9.133	7.634	-0.801
7/28/2013 3:50	8.642	2.707	8.489	2.304	7.844	4.153	8.875	3.534	9.167	8.075	7.620	9.853	9.419	8.206	8.315	9.818	4.566	8.238	9.134	7.635	-0.893
7/28/2013 4:00	8.640	2.604	8.482	2.220	7.842	4.078	8.873	3.45	9.160	8.067	7.618	9.845	9.411	8.199	8.304	9.811	4.488	8.225	9.133	7.634	-0.893
7/28/2013 4:10	8.640	2.535	8.491	2.171	7.844	4.015	8.873	3.379	9.166	8.073	7.618	9.859	9.417	8.205	8.31	9.817	4.423	8.225	9.133	7.634	-0.874
7/28/2013 4:20	8.657	2.491	8.497	2.132	7.854	3.979	8.891	3.334	9.177	8.084	7.630	9.863	9.421	8.216	8.321	9.828	4.364	8.242	9.144	7.645	-0.855
7/28/2013 4:30	8.644	2.449	8.492	2.115	7.852	3.927	8.883	3.284	9.175	8.075	7.628	9.869	9.413	8.209	8.314	9.813	4.299	8.235	9.142	7.638	-0.78
7/28/2013 4:40	8.650	2.422	8.495	2.106	7.852	3.883	8.883	3.242	9.177	8.077	7.622	9.863	9.427	8.203	8.319	9.821	4.228	8.235	9.137	7.632	-0.68
7/28/2013 4:50	8.646	2.416	8.491	2.121	7.854	3.849	8.885	3.223	9.179	8.079	7.618	9.865	9.428	8.205	8.315	9.822	4.165	8.237	9.138	7.634	-0.56
7/28/2013 5:00	8.640	2.426	8.491	2.146	7.842	3.831	8.879	3.203	9.166	8.073	7.618	9.851	9.417	8.199	8.313	9.803	4.111	8.231	9.133	7.628	-0.397
7/28/2013 5:10	8.640	2.449	8.486	2.203	7.842	3.812	8.873	3.203	9.166	8.081	7.613	9.859	9.409	8.199	8.31	9.811	4.059	8.231	9.133	7.634	-0.231
7/28/2013 5:20	8.640	2.479	8.486	2.255	7.848	3.807	8.879	3.196	9.166	8.073	7.613	9.859	9.409	8.199	8.31	9.811	4.006	8.231	9.133	7.628	-0.062
7/28/2013 5:30	8.646	2.522	8.486	2.316	7.848	3.807	8.879	3.211	9.173	8.081	7.613	9.859	9.417	8.199	8.308	9.817	3.966	8.231	9.127	7.634	0.148
7/28/2013 5:40	8.651	2.589	8.497	2.398	7.850	3.818	8.885	3.238	9.171	8.086	7.618	9.870	9.415	8.205	8.313	9.809	3.935	8.237	9.138	7.639	0.342
7/28/2013 5:50	8.642	2.646	8.483	2.475	7.834	3.820	8.875	3.255	9.161	8.069	7.603	9.861	9.405	8.195	8.3	9.807	3.891	8.232	9.129	7.63	0.55
7/28/2013 6:00	8.646	2.726	8.491	2.576	7.842	3.837	8.879	3.295	9.166	8.081	7.607	9.859	9.409	8.199	8.304	9.811	3.864	8.231	9.138	7.628	0.805
7/28/2013 6:10	8.646	2.809	8.488	2.676	7.838	3.862	8.879	3.339	9.166	8.073	7.601	9.859	9.417	8.199	8.304	9.811	3.841	8.237	9.138	7.634	1.042
7/28/2013 6:20	8.646	2.895	8.482	2.783	7.833	3.881	8.873	3.383	9.167	8.067	7.601	9.853	9.404	8.205	8.302	9.805	3.818	8.231	9.133	7.628	1.291
7/28/2013 6:30	8.640	2.988	8.482	2.892	7.837	3.912	8.868	3.431	9.162	8.069	7.590	9.853	9.406	8.199	8.302	9.799	3.801	8.225	9.127	7.622	1.563
7/28/2013 6:40	8.642	3.099	8.487	3.020	7.834	3.950	8.869	3.494	9.163	8.071	7.597	9.855	9.407	8.206	8.298	9.801	3.791	8.232	9.134	7.624	1.838
7/28/2013 6:50	8.644	3.218	8.490	3.160	7.837	3.996	8.879	3.563	9.166	8.073	7.594	9.865	9.415	8.203	8.3	9.809	3.794	8.229	9.131	7.632	2.141
7/28/2013 7:00	8.644	3.337	8.491	3.283	7.833	4.042	8.875	3.63	9.162	8.069	7.590	9.853	9.406	8.205	8.302	9.807	3.782	8.231	9.127	7.622	2.437
7/28/2013 7:10	8.640	3.459	8.486	3.422	7.838	4.092	8.875	3.707	9.162	8.075	7.590	9.853	9.411	8.199	8.292	9.805	3.795	8.237	9.127	7.628	2.747
7/28/2013 7:20	8.644	3.588	8.480	3.560	7.833	4.147	8.869	3.778	9.162	8.069	7.584	9.855	9.413	8.199	8.296	9.801	3.801	8.242	9.127	7.622	3.046
7/28/2013 7:30	8.638	3.721	8.486	3.702	7.833	4.203	8.877	3.862	9.162	8.069	7.584	9.855	9.413	8.205	8.292	9.807	3.812	8.237	9.127	7.628	3.35
7/28/2013 7:40	8.640	3.853	8.482	3.832	7.829	4.254	8.873	3.936	9.158	8.065	7.586	9.859	9.409	8.201	8.292	9.803	3.831	8.232	9.129	7.624	3.658
7/28/2013 7:50	8.638	3.984	8.480	3.968	7.827	4.308	8.866	4.021	9.150	8.065	7.584	9.851	9.402	8.193	8.287	9.803	3.841	8.225	9.123	7.622	3.968
7/28/2013 8:00	8.644	4.120	8.480	4.113	7.833	4.377	8.871	4.12	9.156	8.071	7.584	9.857	9.413	8.199	8.287	9.815	3.877	8.237	9.129	7.628	4.248
7/28/2013 8:10	8.649	4.242	8.480	4.240	7.833	4.432	8.871	4.204	9.164	8.071	7.590	9.857	9.413	8.199	8.296	9.815	3.9	8.225	9.129	7.622	4.527
7/28/2013 8:20	8.644	4.378	8.480	4.372	7.838	4.494	8.871	4.289	9.164	8.063	7.584	9.849	9.413	8.199	8.296	9.815	3.937	8.237	9.127	7.622	4.803
7/28/2013 8:30	8.644	4.495	8.480	4.486	7.838	4.555	8.871	4.365	9.171	8.063	7.590	9.857	9.413	8.205	8.296	9.815	3.971	8.237	9.133	7.622	5.03
7/28/2013 8:40	8.649	4.617	8.491	4.595	7.844	4.616	8.877	4.449	9.169	8.069	7.595	9.863	9.413	8.205	8.296	9.82	4.011	8.242	9.138	7.628	5.239
7/28/2013 8:50	8.644	4.721	8.486	4.695	7.838	4.666	8.879	4.52	9.164	8.071	7.590	9.865	9.413	8.199	8.296	9.809	4.048	8.231	9.127	7.622	5.429
7/28/2013 9:00	8.648	4.822	8.480	4.783	7.833	4.723	8.881	4.581	9.158	8.073	7.578	9.851	9.407	8.199	8.285	9.803	4.082	8.231	9.133	7.622	5.603
7/28/2013 9:10	8.648	4.918	8.480	4.875	7.838	4.765	8.873	4.652	9.158	8.073	7.584	9.851	9.415	8.193	8.29	9.803	4.124	8.225	9.127	7.622	5.752
7/28/2013 9:20	8.642	5.002	8.480	4.948	7.833	4.815	8.875	4.702	9.160	8.060	7.578	9.853	9.409	8.193	8.281	9.805	4.159	8.219	9.121	7.616	5.861
7/28/2013 9:30	8.648	5.076	8.486	5.018	7.838	4.865	8.881	4.771	9.166	8.073	7.584	9.851	9.415	8.193	8.285	9.809	4.212	8.231	9.133	7.62	5.959
7/28/2013 9:40	8.642	5.153	8.480	5.082	7.827	4.909	8.868	4.822	9.152	8.067	7.584	9.853	9.409	8.188	8.281	9.805	4.243	8.225	9.127	7.615	6.022
7/28/2013 9:50	8.648	5.220	8.491	5.137	7.833	4.951	8.881	4.866	9.173	8.073	7.590	9.859	9.407	8.193	8.29	9.817	4.289	8.231	9.135	7.62	6.096
7/28/2013 10:00	8.653	5.268	8.480	5.185	7.838	4.995	8.881	4.924	9.166	8.073	7.584	9.859	9.407	8.193	8.287	9.809	4.331	8.231	9.135	7.62	6.119
7/28/2013 10:10	8.648	5.316	8.486	5.219	7.838	5.026	8.873	4.958	9.166	8.065	7.584	9.859	9.415	8.193	8.275	9.803	4.371	8.225	9.135	7.615	6.114
7/28/2013 10:20	8.644	5.350	8.486	5.246	7.827	5.056	8.873	4.993	9.166	8.065	7.590	9.851	9.407	8.193	8.281	9.809	4.408	8.225	9.127	7.62	6.091
7/28/2013 10:30	8.649	5.379	8.480	5.267	7.827	5.075	8.881	5.02	9.166	8.065	7.590	9.859	9.415	8.199	8.275	9.803	4.454	8.225	9.135	7.611	6.056
7/28/2013 10:40	8.644	5.398	8.491	5.283	7.833	5.106	8.873	5.043	9.152	8.058	7.595	9.859	9.407	8.188	8.281	9.811	4.482	8.231	9.135	7.611	5.98
7/28/2013 10:50	8.632	5.400	8.480	5.265	7.821	5.112	8.862	5.052	9.146	8.054	7.578	9.847	9.409	8.188	8.275	9.799	4.513	8.219	9.123	7.605	5.871
7/28/2013 11:00	8.653	5.404	8.491	5.263	7.827	5.142	8.873	5.081	9.158	8.073	7.595	9.859	9.421	8.199	8.281	9.811	4.559	8.231	9.14	7.616	5.765
7/28/2013 11:10	8.649	5.392	8.486	5.254	7.838	5.154	8.873	5.092	9.166	8.065	7.590	9.859	9.415	8.188	8.279	9.803	4.584	8.225	9.14	7.616	5.651

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/28/2013 11:20	8.649	5.371	8.491	5.237	7.833	5.162	8.873	5.102	9.158	8.058	7.595	9.859	9.415	8.193	8.279	9.803	4.612	8.231	9.135	7.611	5.52
7/28/2013 11:30	8.657	5.365	8.493	5.217	7.834	5.175	8.881	5.102	9.165	8.073	7.603	9.859	9.428	8.195	8.286	9.816	4.637	8.238	9.142	7.618	5.382
7/28/2013 11:40	8.642	5.322	8.474	5.168	7.825	5.166	8.864	5.095	9.156	8.056	7.588	9.850	9.413	8.18	8.273	9.802	4.653	8.229	9.133	7.609	5.218
7/28/2013 11:50	8.644	5.283	8.486	5.122	7.827	5.162	8.873	5.075	9.152	8.058	7.590	9.851	9.407	8.182	8.269	9.796	4.677	8.225	9.127	7.611	5.036
7/28/2013 12:00	8.645	5.248	8.489	5.085	7.840	5.161	8.888	5.069	9.165	8.065	7.597	9.866	9.415	8.189	8.282	9.803	4.696	8.238	9.134	7.618	4.875
7/28/2013 12:10	8.655	5.212	8.488	5.039	7.844	5.154	8.877	5.06	9.164	8.063	7.595	9.863	9.419	8.193	8.281	9.815	4.712	8.237	9.133	7.616	4.697
7/28/2013 12:20	8.649	5.149	8.482	4.967	7.833	5.137	8.879	5.025	9.158	8.058	7.590	9.857	9.407	8.182	8.269	9.801	4.723	8.231	9.127	7.605	4.477
7/28/2013 12:30	8.638	5.082	8.482	4.904	7.821	5.118	8.871	4.997	9.156	8.063	7.590	9.849	9.407	8.182	8.264	9.809	4.723	8.225	9.127	7.605	4.273
7/28/2013 12:40	8.655	5.021	8.488	4.842	7.827	5.104	8.877	4.968	9.164	8.063	7.595	9.863	9.419	8.188	8.275	9.807	4.735	8.231	9.138	7.611	4.077
7/28/2013 12:50	8.644	4.939	8.482	4.756	7.821	5.074	8.871	4.928	9.150	8.063	7.584	9.849	9.4	8.182	8.264	9.809	4.729	8.231	9.127	7.605	3.842
7/28/2013 13:00	8.644	4.851	8.482	4.664	7.827	5.049	8.871	4.876	9.150	8.058	7.590	9.849	9.407	8.176	8.269	9.801	4.729	8.231	9.127	7.605	3.586
7/28/2013 13:10	8.644	4.768	8.482	4.576	7.827	5.012	8.864	4.83	9.164	8.056	7.590	9.849	9.407	8.176	8.264	9.809	4.723	8.225	9.121	7.599	3.348
7/28/2013 13:20	8.644	4.665	8.488	4.469	7.821	4.976	8.864	4.775	9.158	8.058	7.590	9.857	9.4	8.172	8.264	9.796	4.712	8.225	9.127	7.599	3.098
7/28/2013 13:30	8.636	4.562	8.478	4.353	7.814	4.930	8.862	4.71	9.149	8.056	7.582	9.848	9.406	8.174	8.256	9.807	4.699	8.218	9.125	7.598	2.851
7/28/2013 13:40	8.644	4.460	8.486	4.243	7.821	4.888	8.864	4.646	9.156	8.050	7.590	9.849	9.4	8.172	8.258	9.801	4.683	8.219	9.121	7.593	2.606
7/28/2013 13:50	8.644	4.343	8.486	4.123	7.816	4.840	8.871	4.578	9.150	8.058	7.584	9.849	9.394	8.167	8.258	9.794	4.666	8.219	9.11	7.588	2.342
7/28/2013 14:00	8.644	4.229	8.486	3.996	7.810	4.790	8.871	4.509	9.150	8.050	7.584	9.849	9.394	8.167	8.258	9.801	4.641	8.219	9.121	7.593	2.093
7/28/2013 14:10	8.638	4.118	8.491	3.885	7.816	4.741	8.877	4.438	9.156	8.056	7.590	9.855	9.406	8.172	8.258	9.807	4.624	8.225	9.121	7.593	1.894
7/28/2013 14:20	8.638	4.009	8.486	3.771	7.816	4.685	8.869	4.357	9.156	8.056	7.584	9.855	9.406	8.167	8.258	9.807	4.595	8.225	9.121	7.593	1.67
7/28/2013 14:30	8.645	3.886	8.482	3.646	7.817	4.631	8.871	4.283	9.158	8.057	7.580	9.849	9.407	8.168	8.26	9.795	4.566	8.227	9.123	7.595	1.455
7/28/2013 14:40	8.632	3.777	8.480	3.531	7.810	4.561	8.864	4.197	9.150	8.050	7.567	9.842	9.394	8.155	8.246	9.801	4.524	8.214	9.115	7.582	1.306
7/28/2013 14:50	8.636	3.685	8.484	3.430	7.808	4.509	8.860	4.126	9.154	8.054	7.577	9.846	9.398	8.159	8.251	9.798	4.5	8.218	9.12	7.586	1.178
7/28/2013 15:00	8.633	3.594	8.478	3.333	7.808	4.467	8.868	4.057	9.147	8.046	7.577	9.846	9.398	8.153	8.251	9.798	4.458	8.218	9.108	7.586	1.033
7/28/2013 15:10	8.638	3.507	8.480	3.241	7.810	4.413	8.869	3.992	9.148	8.056	7.578	9.847	9.4	8.155	8.246	9.794	4.425	8.219	9.121	7.584	0.914
7/28/2013 15:20	8.634	3.423	8.482	3.171	7.811	4.365	8.865	3.928	9.152	8.044	7.580	9.843	9.388	8.157	8.248	9.795	4.379	8.215	9.111	7.584	0.852
7/28/2013 15:30	8.638	3.349	8.480	3.101	7.814	4.318	8.866	3.873	9.152	8.052	7.577	9.846	9.39	8.159	8.251	9.803	4.347	8.218	9.108	7.588	0.799
7/28/2013 15:40	8.628	3.295	8.470	3.043	7.804	4.270	8.856	3.82	9.141	8.040	7.572	9.842	9.386	8.151	8.246	9.794	4.295	8.214	9.104	7.584	0.732
7/28/2013 15:50	8.630	3.241	8.472	2.997	7.806	4.229	8.863	3.779	9.142	8.050	7.574	9.843	9.38	8.147	8.242	9.788	4.262	8.209	9.106	7.58	0.715
7/28/2013 16:00	8.646	3.210	8.488	2.986	7.816	4.214	8.873	3.751	9.150	8.058	7.584	9.844	9.396	8.157	8.252	9.803	4.235	8.225	9.121	7.59	0.778
7/28/2013 16:10	8.640	3.197	8.476	2.980	7.816	4.184	8.866	3.726	9.152	8.050	7.578	9.844	9.39	8.157	8.246	9.797	4.193	8.219	9.121	7.59	0.883
7/28/2013 16:20	8.642	3.185	8.478	2.976	7.811	4.166	8.867	3.703	9.154	8.052	7.574	9.838	9.384	8.153	8.242	9.799	4.16	8.215	9.111	7.586	0.919
7/28/2013 16:30	8.636	3.172	8.472	2.990	7.817	4.147	8.867	3.685	9.146	8.046	7.574	9.838	9.384	8.153	8.242	9.791	4.132	8.221	9.111	7.586	0.994
7/28/2013 16:40	8.644	3.207	8.486	3.021	7.820	4.149	8.874	3.699	9.160	8.060	7.565	9.846	9.398	8.155	8.245	9.798	4.109	8.222	9.123	7.588	1.142
7/28/2013 16:50	8.636	3.230	8.476	3.066	7.816	4.132	8.862	3.695	9.148	8.048	7.567	9.842	9.394	8.147	8.241	9.801	4.077	8.217	9.114	7.578	1.306
7/28/2013 17:00	8.625	3.258	8.476	3.116	7.804	4.134	8.856	3.699	9.143	8.042	7.561	9.836	9.383	8.142	8.229	9.796	4.04	8.206	9.108	7.572	1.49
7/28/2013 17:10	8.625	3.323	8.476	3.185	7.810	4.145	8.862	3.726	9.141	8.040	7.555	9.842	9.381	8.142	8.229	9.788	4.023	8.206	9.114	7.569	1.672
7/28/2013 17:20	8.630	3.392	8.488	3.273	7.804	4.163	8.868	3.76	9.146	8.046	7.561	9.847	9.386	8.142	8.235	9.794	4.017	8.217	9.114	7.574	1.894
7/28/2013 17:30	8.625	3.470	8.477	3.366	7.799	4.183	8.863	3.796	9.147	8.047	7.562	9.833	9.381	8.137	8.23	9.787	3.995	8.212	9.109	7.569	2.172
7/28/2013 17:40	8.632	3.568	8.482	3.487	7.810	4.224	8.866	3.86	9.144	8.050	7.567	9.844	9.384	8.142	8.235	9.797	4	8.217	9.114	7.574	2.445
7/28/2013 17:50	8.632	3.664	8.470	3.591	7.810	4.254	8.858	3.906	9.150	8.050	7.567	9.836	9.384	8.138	8.231	9.79	4	8.212	9.114	7.574	2.701
7/28/2013 18:00	8.631	3.766	8.469	3.706	7.797	4.297	8.856	3.963	9.143	8.048	7.559	9.834	9.377	8.136	8.224	9.782	3.993	8.204	9.106	7.567	2.981
7/28/2013 18:10	8.627	3.883	8.465	3.842	7.799	4.341	8.851	4.035	9.138	8.037	7.550	9.823	9.38	8.133	8.226	9.791	4.001	8.207	9.109	7.564	3.307
7/28/2013 18:20	8.632	4.005	8.470	3.968	7.798	4.390	8.856	4.112	9.135	8.042	7.559	9.834	9.384	8.138	8.225	9.796	4.011	8.206	9.108	7.569	3.626
7/28/2013 18:30	8.632	4.141	8.470	4.106	7.804	4.452	8.862	4.187	9.141	8.048	7.561	9.840	9.39	8.138	8.231	9.809	4.023	8.206	9.114	7.569	3.922
7/28/2013 18:40	8.631	4.256	8.469	4.226	7.797	4.494	8.854	4.258	9.133	8.041	7.557	9.832	9.383	8.125	8.218	9.794	4.039	8.199	9.106	7.561	4.24
7/28/2013 18:50	8.621	4.387	8.465	4.368	7.798	4.547	8.856	4.346	9.143	8.035	7.559	9.828	9.377	8.126	8.225	9.79	4.069	8.194	9.108	7.557	4.571
7/28/2013 19:00	8.625	4.543	8.463	4.521	7.802	4.613	8.860	4.434	9.139	8.039	7.557	9.832	9.381	8.13	8.224	9.794	4.086	8.199	9.112	7.555	4.935
7/28/2013 19:10	8.632	4.680	8.465	4.664	7.802	4.679	8.862	4.528	9.135	8.048	7.559	9.826	9.383	8.132	8.225	9.801	4.122	8.2	9.114	7.563	5.258
7/28/2013 19:20	8.621	4.818	8.459	4.800	7.793	4.739	8.856	4.602	9.135	8.035	7.548	9.828	9.377	8.126	8.214	9.79	4.153	8.194	9.102	7.563	5.582
7/28/2013 19:30	8.621	4.962	8.465	4.942	7.793	4.806	8.848	4.687	9.129	8.042	7.548	9.828	9.377	8.126	8.214	9.79	4.188	8.194	9.096	7.569	5.936
7/28/2013 19:40	8.632	5.119	8.470	5.087	7.798	4.878	8.854	4.788	9.135	8.040	7.553	9.834	9.383	8.132	8.22	9.788	4.228	8.206	9.108	7.569	6.274
7/28/2013 19:50	8.621	5.256	8.459	5.229	7.796	4.942	8.856	4.88	9.135	8.042	7.553	9.828	9.377	8.126	8.22	9.782	4.27	8.2	9.108	7.563	6.609
7/28/2013 20:00	8.625	5.406	8.463	5.369	7.800	5.013	8.854	4.968	9.133	8.033	7.548	9.827	9.375	8.125	8.218	9.788	4.31	8.199	9.106	7.567	6.935
7/28/2013 20:10	8.621	5.551	8.465	5.510	7.796	5.077	8.856	5.054	9.129	8.035	7.553	9.828	9.371	8.126	8.22	9.79	4.364	8.2	9.108	7.563	7.233
7/28/2013 20:20	8.638	5.700	8.470	5.648	7.808	5.158	8.862	5.159	9.135	8.048	7.559	9.834	9.383	8.132	8.22	9.796	4.417	8.206	9.114	7.574	7.545
7/28/2013 20:30	8.625	5.829	8.463	5.777	7.806	5.223	8.854	5.251	9.133	8.041	7.548	9.834	9.369	8.125	8.218	9.788	4.469	8.204	9.106	7.567	7.804
7/28/2013 20:40	8.627	5.968	8.470	5.899	7.804	5.294	8.864	5.343	9.143	8.042	7.567	9.836	9.377	8.132	8.22	9.796	4.528	8.206	9.114	7.563	8.051
7/28/2013 20:50	8.625	6.083	8.463	6.012	7.797	5.365	8.856	5.428	9.135	8.035	7.554	9.834	9.369	8.13	8.212	9.782	4.574	8.204	9.106	7.555	8.267
7/28/2013 21:00	8.636	6.208	8.470	6.134	7.808	5.430	8.858	5.511	9.137	8.042	7.561	9.830	9.379	8.138	8.22	9.784	4.635	8.2	9.114	7.569	8.472
7/28/2013 21:10	8.630	6.324	8.476	6.238	7.814	5.498	8.858	5.598	9.144	8.037	7.561	9.836	9.384	8.142	8.22	9.797	4.699	8.2	9.108	7.574	8.659
7/28/2013 21:20	8.625	6.423	8.465	6.321	7.803	5.549	8.847	5.663	9.134	8.039	7.556	9.825	9.381	8.131	8.209	9.779	4.747	8.19	9.109	7.558	8.796
7/28/2013 21:30	8.623	6.516	8.474	6.401	7.800	5.608	8.851	5.736	9.137	8.043	7.571	9.836	9.377	8.14	8.224	9.782	4.81	8.193	9.112	7.567	8.91
7/28/2013 21:40	8.640	6.604	8.480	6.485	7.818	5.675	8.864	5.812	9.143	8.041	7.577	9.842	9.39	8.151	8.229	9.796	4.886	8.212	9.118	7.573	8.994
7/28/2013 21:50	8.630	6.682	8.482	6.546	7.814	5.726	8.860	5.871	9.144	8.044	7.578	9.838	9.386	8.153	8.229	9.799	4.934	8.2	9.114	7.574	9.067
7/28/2013 22:00	8.629	6.742	8.474	6.594	7.802	5.774	8.860	5.919	9.137	8.045	7.571	9.830	9.379	8.151	8.222	9.784	4.992	8.2	9.112	7.573	9.08
7/28/2013 22:10	8.620	6.794	8.465	6.640	7.799	5.815	8.857	5.966	9.134	8.041	7.573	9.827	9.376	8.152	8.224	9.789	5.036	8.195	9.103	7.558	9.091
7/28/2013 22:20	8.619	6.828	8.465	6.661	7.802	5.839	8.850	6.009	9.135	8.027	7.567	9.828	9.375	8.151	8.218	9.782	5.089	8.191	9.102	7.563	9.007
7/28/2013 22:30	8.631	6.869	8.471	6.696	7.803	5.888	8.857	6.056	9.134	8.034	7.573	9.835	9.376	8.158	8.23	9.789	5.141	8.201	9.109	7.569	8.972
7/28/2013 22:40	8.625	6.895	8.471	6.711	7.803	5.926	8.857	6.085	9.134	8.034	7.573	9.827	9.381	8.164	8.236	9.789	5.195	8.203	9.105	7.573	8.893
7/28/2013 22:50	8.625	6.903	8.477	6.711	7.809	5.955	8.857	6.113	9.136	8.041	7.585	9.835	9.376	8.169	8.236	9.789	5.249	8.201	9.116	7.573	8.782
7/28/2013 23:00	8.629	6.906	8.480	6.709	7.812	5.979	8.860	6.138	9.137	8.045	7.594	9.838	9.385	8.173	8.241	9.798	5.3	8.204	9.12	7.577	8.646
7/28/2013 23:10	8.619	6.883	8.470	6.682	7.804	5.992	8.856	6.141	9.127	8.035	7.590	9.828	9.375	8.172	8.235	9.796	5.332	8.194	9.108	7.567	8.462
7/28/2013 23:20	8.630	6.881	8.476	6.666	7.819	6.009	8.862	6.17	9.141	8.040	7.590	9.834	9.388	8.184	8.246	9.794	5.38	8.208	9.119	7.578	8.32
7/28/2013 23:30	8.640	6.859	8.480	6.638	7.818	6.021	8.866	6.166	9.145	8.045	7.599	9.846	9.385	8.188	8.245	9.805	5.426	8.204	9.125	7.582	8.127

Appendix A - Table 1

Barometrically Corrected Groundwater Elevation Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-17	MW-18	MW-26	MW-28S	MW-29S	MW-30S	MW-31S	MW-32S	MW-32DR	MW-33S	MW-34S	MW-35S	Dock
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)
7/28/2013 23:40	8.630	6.814	8.470	6.590	7.814	6.017	8.862	6.162	9.141	8.040	7.601	9.842	9.388	8.189	8.246	9.794	5.451	8.208	9.115	7.584	7.894
7/28/2013 23:50	8.630	6.761	8.465	6.534	7.814	6.017	8.856	6.143	9.135	8.035	7.601	9.828	9.383	8.184	8.246	9.782	5.481	8.202	9.11	7.578	7.658
7/29/2013 0:00	8.632	6.720	8.472	6.480	7.810	6.019	8.858	6.129	9.137	8.044	7.603	9.843	9.384	8.191	8.26	9.797	5.508	8.204	9.123	7.591	7.426
7/29/2013 0:10	8.630	6.644	8.465	6.398	7.814	6.011	8.856	6.107	9.135	8.035	7.595	9.828	9.383	8.189	8.258	9.788	5.523	8.208	9.115	7.584	7.166
7/29/2013 0:20	8.636	6.575	8.470	6.331	7.816	5.998	8.862	6.084	9.141	8.040	7.607	9.842	9.388	8.195	8.264	9.794	5.546	8.2	9.119	7.59	6.889
7/29/2013 0:30	8.636	6.493	8.470	6.249	7.816	5.979	8.856	6.061	9.141	8.040	7.607	9.834	9.388	8.201	8.264	9.801	5.565	8.208	9.119	7.59	6.606
7/29/2013 0:40	8.642	6.403	8.476	6.151	7.825	5.960	8.868	6.019	9.146	8.046	7.607	9.847	9.394	8.207	8.269	9.807	5.577	8.214	9.125	7.601	6.28
7/29/2013 0:50	8.640	6.299	8.470	6.040	7.825	5.931	8.862	5.971	9.141	8.048	7.618	9.842	9.394	8.207	8.269	9.788	5.588	8.214	9.127	7.595	5.928
7/29/2013 1:00	8.641	6.185	8.471	5.921	7.826	5.899	8.863	5.908	9.149	8.041	7.613	9.842	9.389	8.208	8.276	9.794	5.584	8.209	9.122	7.596	5.565
7/29/2013 1:10	8.640	6.047	8.465	5.788	7.825	5.856	8.862	5.844	9.148	8.048	7.613	9.842	9.388	8.207	8.275	9.794	5.583	8.208	9.121	7.601	5.176
7/29/2013 1:20	8.636	5.917	8.470	5.660	7.825	5.812	8.862	5.774	9.148	8.040	7.618	9.842	9.388	8.207	8.264	9.801	5.571	8.208	9.121	7.601	4.786
7/29/2013 1:30	8.646	5.783	8.474	5.507	7.829	5.761	8.866	5.701	9.150	8.050	7.622	9.844	9.398	8.217	8.279	9.798	5.57	8.218	9.125	7.605	4.382
7/29/2013 1:40	8.640	5.620	8.480	5.342	7.829	5.700	8.866	5.611	9.150	8.043	7.617	9.844	9.398	8.211	8.279	9.798	5.545	8.21	9.125	7.605	3.946
7/29/2013 1:50	8.648	5.450	8.482	5.156	7.831	5.632	8.868	5.515	9.144	8.044	7.624	9.838	9.392	8.207	8.281	9.799	5.523	8.206	9.119	7.607	3.52
7/29/2013 2:00	8.648	5.273	8.477	4.971	7.832	5.559	8.861	5.401	9.147	8.045	7.619	9.839	9.401	8.208	8.282	9.8	5.494	8.214	9.114	7.602	3.098
7/29/2013 2:10	8.643	5.095	8.483	4.767	7.832	5.472	8.861	5.288	9.140	8.045	7.613	9.839	9.393	8.208	8.282	9.806	5.469	8.212	9.109	7.602	2.685
7/29/2013 2:20	8.648	4.895	8.482	4.576	7.838	5.397	8.879	5.177	9.156	8.056	7.624	9.849	9.398	8.212	8.281	9.796	5.431	8.225	9.125	7.613	2.282
7/29/2013 2:30	8.643	4.698	8.477	4.349	7.832	5.306	8.874	5.036	9.151	8.051	7.619	9.844	9.393	8.208	8.287	9.798	5.386	8.212	9.114	7.608	1.891
7/29/2013 2:40	8.648	4.498	8.482	4.142	7.831	5.206	8.866	4.911	9.150	8.050	7.624	9.844	9.398	8.212	8.281	9.797	5.343	8.219	9.119	7.607	1.534
7/29/2013 2:50	8.636	4.288	8.482	3.918	7.827	5.102	8.860	4.765	9.139	8.052	7.624	9.845	9.386	8.207	8.275	9.799	5.278	8.212	9.119	7.601	1.151
7/29/2013 3:00	8.642	4.083	8.482	3.698	7.831	5.003	8.868	4.622	9.139	8.052	7.624	9.845	9.392	8.207	8.287	9.799	5.223	8.219	9.119	7.607	0.788
7/29/2013 3:10	8.630	3.886	8.476	3.478	7.825	4.886	8.862	4.478	9.133	8.046	7.613	9.840	9.386	8.207	8.275	9.794	5.158	8.214	9.114	7.607	0.458
7/29/2013 3:20	8.630	3.687	8.476	3.269	7.831	4.786	8.862	4.336	9.139	8.046	7.618	9.840	9.386	8.201	8.275	9.794	5.087	8.214	9.11	7.607	0.16
7/29/2013 3:30	8.636	3.507	8.476	3.084	7.831	4.695	8.860	4.21	9.144	8.052	7.618	9.845	9.4	8.207	8.281	9.792	5.024	8.219	9.119	7.607	-0.087
7/29/2013 3:40	8.642	3.337	8.482	2.913	7.842	4.595	8.873	4.084	9.152	8.058	7.624	9.844	9.398	8.218	8.287	9.797	4.965	8.219	9.125	7.613	-0.305
7/29/2013 3:50	8.648	3.155	8.488	2.731	7.838	4.496	8.873	3.94	9.144	8.050	7.618	9.844	9.406	8.212	8.287	9.797	4.888	8.219	9.125	7.613	-0.543
7/29/2013 4:00	8.642	2.994	8.476	2.561	7.827	4.390	8.860	3.818	9.146	8.052	7.618	9.845	9.4	8.207	8.287	9.805	4.806	8.225	9.115	7.618	-0.745
7/29/2013 4:10	8.648	2.851	8.488	2.414	7.842	4.298	8.873	3.701	9.150	8.058	7.618	9.851	9.406	8.212	8.287	9.797	4.741	8.231	9.121	7.618	-0.9
7/29/2013 4:20	8.659	2.719	8.488	2.276	7.844	4.218	8.871	3.588	9.158	8.063	7.624	9.857	9.411	8.212	8.292	9.811	4.67	8.231	9.125	7.618	-1.063
7/29/2013 4:30	8.653	2.581	8.488	2.144	7.838	4.124	8.873	3.485	9.150	8.058	7.618	9.851	9.398	8.207	8.287	9.805	4.587	8.231	9.125	7.613	-1.18
7/29/2013 4:40	8.653	2.464	8.488	2.035	7.838	4.038	8.866	3.387	9.150	8.058	7.613	9.851	9.406	8.207	8.281	9.805	4.505	8.231	9.119	7.613	-1.277
7/29/2013 4:50	8.653	2.365	8.482	1.941	7.838	3.958	8.873	3.288	9.150	8.065	7.607	9.859	9.392	8.207	8.281	9.811	4.44	8.231	9.114	7.613	-1.314
7/29/2013 5:00	8.640	2.269	8.474	1.863	7.825	3.883	8.858	3.211	9.137	8.050	7.599	9.844	9.39	8.199	8.273	9.803	4.345	8.218	9.118	7.605	-1.348
7/29/2013 5:10	8.653	2.208	8.488	1.826	7.842	3.835	8.879	3.14	9.144	8.058	7.613	9.851	9.398	8.201	8.281	9.797	4.281	8.231	9.119	7.613	-1.314
7/29/2013 5:20	8.653	2.173	8.493	1.799	7.838	3.780	8.873	3.085	9.150	8.058	7.613	9.851	9.398	8.207	8.281	9.797	4.216	8.225	9.125	7.613	-1.251
7/29/2013 5:30	8.653	2.133	8.493	1.784	7.838	3.736	8.866	3.043	9.158	8.058	7.613	9.851	9.406	8.207	8.281	9.805	4.153	8.225	9.125	7.618	-1.159
7/29/2013 5:40	8.648	2.125	8.488	1.799	7.844	3.705	8.866	3.014	9.150	8.065	7.607	9.851	9.398	8.207	8.287	9.811	4.082	8.231	9.125	7.618	-1.054
7/29/2013 5:50	8.643	2.124	8.477	1.816	7.834	3.670	8.868	2.988	9.147	8.060	7.602	9.846	9.393	8.196	8.282	9.8	4.018	8.226	9.12	7.608	-0.919
7/29/2013 6:00	8.648	2.133	8.488	1.847	7.837	3.655	8.868	2.981	9.144	8.052	7.601	9.853	9.392	8.201	8.275	9.799	3.958	8.225	9.115	7.607	-0.795
7/29/2013 6:10	8.648	2.154	8.488	1.897	7.837	3.638	8.868	2.974	9.144	8.060	7.601	9.853	9.392	8.212	8.269	9.805	3.912	8.219	9.114	7.607	-0.627
7/29/2013 6:20	8.643	2.189	8.483	1.949	7.834	3.633	8.863	2.976	9.140	8.055	7.596	9.854	9.395	8.19	8.27	9.794	3.865	8.22	9.103	7.602	-0.463
7/29/2013 6:30	8.642	2.229	8.482	2.010	7.833	3.631	8.873	2.987	9.146	8.060	7.595	9.859	9.406	8.201	8.275	9.799	3.824	8.219	9.119	7.613	-0.303
7/29/2013 6:40	8.636	2.284	8.482	2.081	7.833	3.632	8.875	3.01	9.146	8.054	7.590	9.861	9.407	8.195	8.269	9.807	3.782	8.219	9.114	7.607	-0.093
7/29/2013 6:50	8.648	2.359	8.488	2.182	7.842	3.650	8.873	3.045	9.152	8.067	7.601	9.859	9.413	8.201	8.269	9.813	3.759	8.237	9.119	7.607	0.15
7/29/2013 7:00	8.640	2.420	8.480	2.263	7.835	3.661	8.866	3.064	9.145	8.052	7.588	9.859	9.406	8.199	8.268	9.798	3.709	8.223	9.12	7.605	0.367
7/29/2013 7:10	8.642	2.514	8.482	2.356	7.837	3.680	8.875	3.112	9.154	8.061	7.590	9.853	9.407	8.201	8.269	9.807	3.688	8.219	9.121	7.607	0.592
7/29/2013 7:20	8.642	2.590	8.478	2.456	7.832	3.703	8.858	3.157	9.144	8.052	7.586	9.851	9.417	8.185	8.26	9.79	3.667	8.221	9.111	7.597	0.833
7/29/2013 7:30	8.628	2.678	8.470	2.574	7.821	3.726	8.858	3.196	9.137	8.050	7.572	9.844	9.404	8.178	8.258	9.796	3.634	8.214	9.102	7.59	1.113
7/29/2013 7:40	8.640	2.812	8.482	2.730	7.833	3.774	8.869	3.265	9.148	8.054	7.584	9.855	9.415	8.195	8.264	9.801	3.64	8.225	9.119	7.601	1.427
7/29/2013 7:50	8.640	2.929	8.482	2.850	7.833	3.818	8.869	3.337	9.156	8.061	7.584	9.855	9.415	8.195	8.264	9.794	3.629	8.225		7.607	1.683
7/29/2013 8:00	8.640	3.033	8.486	2.974	7.827	3.862	8.864	3.406	9.150	8.056	7.584	9.857	9.428	8.189	8.264	9.788	3.629	8.225			2.005
7/29/2013 8:10	8.640	3.144	8.480	3.099	7.821	3.904	8.858	3.464	9.137	8.058	7.578	9.851	9.417	8.189		9.796	3.629	8.219			2.246
7/29/2013 8:20	8.636	3.266	8.472	3.233	7.823	3.946	8.862	3.536	9.140	8.038	7.574	9.847	9.405	8.18		9.791	3.638	8.221			2.521

Notes:
ft amsl = feet above mean sea level

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S (deg C)	MW-1D (deg C)	MW-2S (deg C)	MW-2D (deg C)	MW-3S (deg C)	MW-3D (deg C)	MW-14 (deg C)	MW-14D (deg C)	MW-32S (deg C)	MW-32DR (deg C)	Dock (deg C)
7/18/2013 17:00											
7/18/2013 17:10											
7/18/2013 17:20											
7/18/2013 17:30											
7/18/2013 17:40											
7/18/2013 17:50											
7/18/2013 18:00	13.21	13.52							16.79	13.46	
7/18/2013 18:10	13.11	12.71							16.76	13.44	
7/18/2013 18:20	13.07	12.67							16.76	13.43	
7/18/2013 18:30	13.04	12.64							16.76	13.43	
7/18/2013 18:40	13.03	12.62							16.76	13.42	
7/18/2013 18:50	13.02	12.6							16.76	13.42	
7/18/2013 19:00	13	12.59	14.16	12.36	14.75	12.9	14.51	12.85	16.76	13.42	
7/18/2013 19:10	13	12.58	14.15	12.35	13.63	12.73	14.48	12.83	16.74	13.41	
7/18/2013 19:20	12.99	12.57	14.14	12.35	13.5	12.69	14.46	12.82	16.75	13.41	
7/18/2013 19:30	12.99	12.57	14.13	12.34	13.45	12.66	14.45	12.81	16.77	13.41	
7/18/2013 19:40	12.98	12.56	14.12	12.34	13.42	12.65	14.44	12.8	16.76	13.41	
7/18/2013 19:50	12.98	12.56	14.12	12.33	13.39	12.63	14.43	12.8	16.74	13.41	
7/18/2013 20:00	12.98	12.56	14.11	12.33	13.37	12.62	14.42	12.79	16.75	13.41	
7/18/2013 20:10	12.98	12.56	14.1	12.33	13.36	12.61	14.42	12.79	16.77	13.41	
7/18/2013 20:20	12.97	12.56	14.1	12.33	13.35	12.61	14.41	12.79	16.74	13.41	
7/18/2013 20:30	12.97	12.56	14.1	12.33	13.35	12.6	14.41	12.79	16.77	13.41	
7/18/2013 20:40	12.97	12.56	14.1	12.33	13.34	12.6	14.41	12.79	16.77	13.41	
7/18/2013 20:50	12.97	12.56	14.1	12.33	13.33	12.6	14.41	12.79	16.76	13.41	
7/18/2013 21:00	12.97	12.56	14.1	12.33	13.33	12.6	14.4	12.79	16.72	13.41	
7/18/2013 21:10	12.97	12.57	14.1	12.33	13.33	12.59	14.4	12.79	16.74	13.41	
7/18/2013 21:20	12.97	12.57	14.1	12.33	13.33	12.59	14.4	12.79	16.79	13.41	
7/18/2013 21:30	12.97	12.57	14.1	12.33	13.32	12.59	14.4	12.79	16.78	13.41	
7/18/2013 21:40	12.97	12.57	14.09	12.33	13.32	12.59	14.4	12.79	16.79	13.41	
7/18/2013 21:50	12.97	12.58	14.1	12.33	13.32	12.59	14.4	12.79	16.78	13.41	
7/18/2013 22:00	12.97	12.58	14.1	12.33	13.32	12.59	14.4	12.79	16.77	13.41	
7/18/2013 22:10	12.97	12.58	14.1	12.33	13.32	12.59	14.4	12.8	16.77	13.41	
7/18/2013 22:20	12.97	12.58	14.09	12.34	13.32	12.58	14.4	12.8	16.79	13.41	
7/18/2013 22:30	12.97	12.59	14.09	12.34	13.32	12.59	14.4	12.8	16.77	13.41	
7/18/2013 22:40	12.97	12.59	14.09	12.34	13.32	12.58	14.4	12.8	16.77	13.41	
7/18/2013 22:50	12.97	12.59	14.09	12.34	13.32	12.58	14.4	12.8	16.68	13.41	
7/18/2013 23:00	12.97	12.6	14.09	12.34	13.32	12.58	14.4	12.8	16.71	13.41	
7/18/2013 23:10	12.97	12.6	14.09	12.34	13.32	12.58	14.4	12.8	16.74	13.41	

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/18/2013 23:20	12.97	12.6	14.09	12.34	13.32	12.58	14.4	12.8	16.75	13.41	
7/18/2013 23:30	12.97	12.61	14.08	12.35	13.32	12.58	14.4	12.8	16.75	13.41	
7/18/2013 23:40	12.97	12.61	14.09	12.34	13.32	12.58	14.4	12.8	16.73	13.41	
7/18/2013 23:50	12.97	12.61	14.09	12.34	13.32	12.58	14.4	12.8	16.75	13.41	
7/19/2013 0:00	12.97	12.61	14.09	12.34	13.32	12.58	14.4	12.8	16.75	13.41	
7/19/2013 0:10	12.97	12.61	14.09	12.34	13.32	12.58	14.4	12.8	16.77	13.41	
7/19/2013 0:20	12.97	12.61	14.09	12.34	13.32	12.58	14.4	12.8	16.75	13.41	
7/19/2013 0:30	12.97	12.61	14.09	12.34	13.32	12.58	14.4	12.8	16.78	13.41	
7/19/2013 0:40	12.97	12.61	14.09	12.34	13.32	12.58	14.4	12.8	16.79	13.41	
7/19/2013 0:50	12.97	12.61	14.09	12.34	13.32	12.58	14.4	12.8	16.77	13.41	
7/19/2013 1:00	12.97	12.61	14.09	12.33	13.32	12.58	14.4	12.8	16.78	13.41	
7/19/2013 1:10	12.97	12.61	14.09	12.33	13.32	12.58	14.41	12.8	16.77	13.4	
7/19/2013 1:20	12.97	12.61	14.09	12.33	13.32	12.58	14.41	12.81	16.78	13.41	
7/19/2013 1:30	12.97	12.61	14.09	12.33	13.32	12.58	14.41	12.81	16.76	13.41	
7/19/2013 1:40	12.97	12.6	14.09	12.33	13.32	12.58	14.41	12.81	16.75	13.41	
7/19/2013 1:50	12.97	12.6	14.09	12.32	13.32	12.58	14.41	12.81	16.77	13.41	
7/19/2013 2:00	12.97	12.6	14.09	12.32	13.32	12.58	14.41	12.81	16.74	13.41	
7/19/2013 2:10	12.97	12.6	14.09	12.32	13.32	12.58	14.41	12.81	16.75	13.41	
7/19/2013 2:20	12.97	12.6	14.09	12.32	13.32	12.58	14.41	12.8	16.75	13.41	
7/19/2013 2:30	12.97	12.59	14.09	12.32	13.32	12.58	14.41	12.8	16.77	13.41	
7/19/2013 2:40	12.97	12.58	14.09	12.32	13.32	12.58	14.41	12.8	16.78	13.41	
7/19/2013 2:50	12.97	12.58	14.09	12.32	13.32	12.58	14.41	12.8	16.77	13.4	
7/19/2013 3:00	12.97	12.58	14.09	12.31	13.32	12.58	14.41	12.8	16.76	13.41	
7/19/2013 3:10	12.97	12.57	14.09	12.31	13.32	12.58	14.42	12.8	16.76	13.4	
7/19/2013 3:20	12.98	12.57	14.09	12.3	13.32	12.58	14.41	12.79	16.78	13.41	
7/19/2013 3:30	12.98	12.56	14.09	12.3	13.32	12.58	14.41	12.79	16.79	13.41	
7/19/2013 3:40	12.98	12.55	14.09	12.3	13.32	12.58	14.42	12.79	16.8	13.41	
7/19/2013 3:50	12.98	12.55	14.09	12.29	13.32	12.58	14.42	12.79	16.79	13.41	
7/19/2013 4:00	12.97	12.54	14.09	12.29	13.32	12.58	14.42	12.79	16.7	13.41	
7/19/2013 4:10	12.97	12.53	14.09	12.29	13.32	12.58	14.42	12.78	16.76	13.41	
7/19/2013 4:20	12.98	12.53	14.09	12.28	13.32	12.58	14.42	12.78	16.78	13.41	
7/19/2013 4:30	12.98	12.5	14.09	12.28	13.32	12.58	14.42	12.77	16.75	13.41	
7/19/2013 4:40	12.98	12.5	14.09	12.27	13.32	12.58	14.42	12.77	16.77	13.41	
7/19/2013 4:50	12.98	12.5	14.09	12.27	13.32	12.58	14.42	12.77	16.78	13.41	
7/19/2013 5:00	12.98	12.48	14.09	12.26	13.32	12.58	14.43	12.76	16.76	13.41	
7/19/2013 5:10	12.98	12.47	14.09	12.26	13.32	12.58	14.42	12.76	16.77	13.41	
7/19/2013 5:20	12.98	12.48	14.09	12.25	13.32	12.58	14.42	12.76	16.77	13.4	
7/19/2013 5:30	12.98	12.46	14.1	12.25	13.32	12.58	14.43	12.76	16.78	13.4	
7/19/2013 5:40	12.98	12.44	14.09	12.24	13.32	12.58	14.42	12.76	16.79	13.4	

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/19/2013 5:50	12.98	12.44	14.09	12.24	13.32	12.58	14.43	12.76	16.81	13.41	
7/19/2013 6:00	12.98	12.44	14.09	12.23	13.32	12.59	14.43	12.75	16.8	13.4	
7/19/2013 6:10	12.98	12.44	14.09	12.22	13.32	12.58	14.42	12.75	16.82	13.41	
7/19/2013 6:20	12.98	12.44	14.1	12.22	13.32	12.59	14.42	12.75	16.77	13.4	
7/19/2013 6:30	12.98	12.44	14.09	12.22	13.32	12.59	14.42	12.74	16.79	13.41	
7/19/2013 6:40	12.98	12.44	14.1	12.22	13.32	12.59	14.42	12.74	16.81	13.4	
7/19/2013 6:50	12.98	12.43	14.1	12.21	13.32	12.58	14.43	12.74	16.81	13.4	
7/19/2013 7:00	12.98	12.44	14.1	12.21	13.32	12.59	14.43	12.74	16.77	13.41	
7/19/2013 7:10	12.98	12.43	14.1	12.21	13.32	12.59	14.42	12.74	16.8	13.4	
7/19/2013 7:20	12.98	12.44	14.1	12.2	13.32	12.59	14.43	12.74	16.73	13.41	
7/19/2013 7:30	12.98	12.44	14.1	12.21	13.32	12.59	14.43	12.74	16.79	13.4	
7/19/2013 7:40	12.98	12.44	14.1	12.22	13.32	12.59	14.43	12.74	16.8	13.41	
7/19/2013 7:50	12.98	12.44	14.1	12.22	13.32	12.58	14.43	12.74	16.83	13.4	
7/19/2013 8:00	12.99	12.45	14.1	12.23	13.32	12.59	14.43	12.74	16.84	13.41	
7/19/2013 8:10	12.98	12.45	14.1	12.23	13.32	12.59	14.43	12.74	16.84	13.4	
7/19/2013 8:20	12.99	12.45	14.1	12.24	13.32	12.58	14.43	12.74	16.78	13.41	
7/19/2013 8:30	12.99	12.46	14.1	12.24	13.32	12.58	14.43	12.74	16.79	13.4	
7/19/2013 8:40	12.99	12.46	14.1	12.24	13.32	12.58	14.43	12.74	16.82	13.4	
7/19/2013 8:50	12.99	12.46	14.1	12.25	13.32	12.58	14.43	12.74	16.83	13.4	
7/19/2013 9:00	12.99	12.46	14.1	12.25	13.32	12.59	14.43	12.74	16.83	13.41	
7/19/2013 9:10	12.99	12.47	14.1	12.26	13.32	12.58	14.43	12.74	16.85	13.4	
7/19/2013 9:20	12.99	12.47	14.1	12.26	13.32	12.58	14.43	12.74	16.84	13.4	
7/19/2013 9:30	12.99	12.47	14.1	12.26	13.32	12.58	14.43	12.74	16.85	13.4	
7/19/2013 9:40	12.99	12.48	14.1	12.27	13.32	12.58	14.43	12.74	16.82	13.4	
7/19/2013 9:50	12.99	12.48	14.1	12.27	13.32	12.58	14.43	12.74	16.83	13.4	
7/19/2013 10:00	12.99	12.49	14.1	12.28	13.32	12.58	14.43	12.74	16.86	13.4	
7/19/2013 10:10	12.99	12.49	14.1	12.3	13.32	12.59	14.43	12.74	16.84	13.4	
7/19/2013 10:20	12.99	12.5	14.1	12.32	13.32	12.58	14.43	12.74	16.8	13.4	
7/19/2013 10:30	12.99	12.5	14.1	12.33	13.32	12.58	14.43	12.75	16.84	13.4	
7/19/2013 10:40	12.99	12.51	14.1	12.33	13.32	12.58	14.43	12.75	16.86	13.41	
7/19/2013 10:50	12.99	12.51	14.1	12.33	13.33	12.58	14.43	12.75	16.81	13.41	
7/19/2013 11:00	12.99	12.52	14.1	12.33	13.33	12.58	14.43	12.75	16.83	13.4	
7/19/2013 11:10	12.99	12.53	14.1	12.33	13.33	12.58	14.43	12.75	16.85	13.4	
7/19/2013 11:20	12.99	12.53	14.1	12.34	13.33	12.58	14.43	12.76	16.87	13.41	
7/19/2013 11:30	12.99	12.54	14.1	12.34	13.33	12.58	14.43	12.76	16.82	13.4	
7/19/2013 11:40	12.99	12.54	14.1	12.34	13.33	12.58	14.43	12.76	16.85	13.4	
7/19/2013 11:50	12.99	12.55	14.1	12.35	13.33	12.58	14.43	12.77	16.88	13.4	
7/19/2013 12:00	13	12.56	14.1	12.35	13.33	12.58	14.43	12.77	16.88	13.4	
7/19/2013 12:10	12.99	12.56	14.1	12.35	13.33	12.58	14.43	12.77	16.87	13.4	

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/19/2013 12:20	12.99	12.57	14.1	12.35	13.33	12.58	14.43	12.77	16.88	13.4	
7/19/2013 12:30	12.99	12.58	14.1	12.35	13.33	12.58	14.43	12.78	16.91	13.4	
7/19/2013 12:40	13	12.58	14.1	12.36	13.33	12.58	14.43	12.78	16.89	13.4	
7/19/2013 12:50	12.99	12.58	14.1	12.36	13.33	12.58	14.43	12.78	16.89	13.4	
7/19/2013 13:00	12.99	12.59	14.1	12.36	13.33	12.58	14.43	12.78	16.87	13.4	
7/19/2013 13:10	12.99	12.59	14.1	12.36	13.33	12.58	14.44	12.78	16.89	13.4	
7/19/2013 13:20	13	12.6	14.1	12.36	13.34	12.58	14.44	12.78	16.88	13.4	
7/19/2013 13:30	12.99	12.6	14.1	12.36	13.33	12.58	14.44	12.78	16.89	13.4	
7/19/2013 13:40	13	12.6	14.1	12.36	13.33	12.58	14.44	12.79	16.91	13.4	
7/19/2013 13:50	13	12.6	14.1	12.36	13.34	12.58	14.44	12.79	16.9	13.41	
7/19/2013 14:00	12.99	12.6	14.1	12.36	13.34	12.58	14.44	12.79	16.9	13.4	
7/19/2013 14:10	12.99	12.6	14.1	12.36	13.34	12.58	14.44	12.79	16.86	13.41	
7/19/2013 14:20	13	12.6	14.11	12.36	13.34	12.58	14.44	12.79	16.88	13.4	
7/19/2013 14:30	13	12.6	14.11	12.36	13.34	12.58	14.44	12.79	16.9	13.4	
7/19/2013 14:40	13	12.6	14.11	12.36	13.34	12.58	14.44	12.79	16.87	13.4	
7/19/2013 14:50	13	12.6	14.11	12.36	13.34	12.58	14.44	12.79	16.9	13.4	
7/19/2013 15:00	13	12.6	14.11	12.36	13.34	12.58	14.44	12.79	16.89	13.41	
7/19/2013 15:10	13	12.6	14.11	12.36	13.34	12.58	14.44	12.79	16.88	13.4	
7/19/2013 15:20	13	12.6	14.11	12.35	13.34	12.58	14.44	12.79	16.88	13.41	
7/19/2013 15:30	13	12.6	14.11	12.35	13.34	12.58	14.44	12.8	16.84	13.4	
7/19/2013 15:40	13	12.6	14.11	12.35	13.34	12.58	14.44	12.8	16.87	13.4	
7/19/2013 15:50	13	12.6	14.11	12.35	13.34	12.58	14.44	12.79	16.89	13.4	
7/19/2013 16:00	13	12.6	14.11	12.34	13.34	12.58	14.44	12.8	16.88	13.4	
7/19/2013 16:10	13	12.6	14.12	12.34	13.34	12.58	14.44	12.8	16.88	13.4	
7/19/2013 16:20	13	12.6	14.12	12.33	13.34	12.58	14.45	12.8	16.9	13.4	
7/19/2013 16:30	13	12.6	14.12	12.32	13.34	12.58	14.45	12.8	16.87	13.4	13.05
7/19/2013 16:40	13.01	12.6	14.12	12.32	13.34	12.58	14.45	12.8	16.84	13.4	12.56
7/19/2013 16:50	13.01	12.6	14.12	12.31	13.34	12.58	14.45	12.8	16.85	13.4	12.71
7/19/2013 17:00	13.01	12.6	14.12	12.31	13.34	12.58	14.45	12.8	16.86	13.41	12.57
7/19/2013 17:10	13.01	12.6	14.12	12.3	13.34	12.58	14.45	12.8	16.85	13.4	12.66
7/19/2013 17:20	13.01	12.6	14.12	12.3	13.34	12.57	14.45	12.8	16.83	13.41	12.62
7/19/2013 17:30	13.01	12.59	14.12	12.3	13.34	12.58	14.45	12.8	16.84	13.4	12.65
7/19/2013 17:40	13.01	12.59	14.12	12.3	13.34	12.58	14.45	12.8	16.86	13.4	12.67
7/19/2013 17:50	13.01	12.59	14.13	12.3	13.35	12.58	14.45	12.8	16.86	13.4	12.65
7/19/2013 18:00	13.01	12.59	14.12	12.29	13.35	12.58	14.45	12.8	16.88	13.41	12.61
7/19/2013 18:10	13.01	12.59	14.12	12.29	13.34	12.58	14.45	12.8	16.88	13.4	12.62
7/19/2013 18:20	13.01	12.59	14.13	12.29	13.34	12.58	14.45	12.8	16.85	13.4	12.66
7/19/2013 18:30	13.01	12.58	14.13	12.29	13.34	12.58	14.46	12.8	16.86	13.4	12.65
7/19/2013 18:40	13.01	12.58	14.13	12.29	13.35	12.58	14.46	12.8	16.87	13.4	12.65

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/19/2013 18:50	13.01	12.58	14.13	12.29	13.35	12.58	14.46	12.8	16.85	13.4	12.65
7/19/2013 19:00	13.01	12.57	14.13	12.29	13.34	12.58	14.46	12.79	16.81	13.4	12.72
7/19/2013 19:10	13.01	12.57	14.13	12.29	13.35	12.58	14.46	12.79	16.83	13.4	12.77
7/19/2013 19:20	13.01	12.57	14.13	12.29	13.35	12.58	14.46	12.79	16.82	13.4	12.84
7/19/2013 19:30	13.01	12.56	14.13	12.29	13.35	12.58	14.46	12.79	16.87	13.4	12.82
7/19/2013 19:40	13.01	12.56	14.13	12.29	13.35	12.58	14.46	12.79	16.87	13.4	12.87
7/19/2013 19:50	13.01	12.56	14.13	12.3	13.35	12.58	14.46	12.79	16.85	13.4	12.96
7/19/2013 20:00	13.01	12.56	14.13	12.3	13.35	12.58	14.46	12.79	16.87	13.4	13.04
7/19/2013 20:10	13.01	12.55	14.13	12.29	13.35	12.58	14.46	12.79	16.86	13.4	12.95
7/19/2013 20:20	13.01	12.55	14.13	12.29	13.35	12.58	14.46	12.79	16.84	13.41	12.93
7/19/2013 20:30	13.02	12.55	14.13	12.29	13.35	12.57	14.46	12.79	16.83	13.4	13.01
7/19/2013 20:40	13.01	12.55	14.13	12.3	13.35	12.58	14.46	12.78	16.81	13.4	12.94
7/19/2013 20:50	13.02	12.54	14.13	12.29	13.35	12.57	14.46	12.78	16.85	13.4	12.92
7/19/2013 21:00	13.01	12.54	14.13	12.3	13.35	12.58	14.46	12.78	16.85	13.4	12.98
7/19/2013 21:10	13.02	12.54	14.13	12.3	13.35	12.58	14.46	12.78	16.85	13.4	13.09
7/19/2013 21:20	13.02	12.54	14.13	12.3	13.35	12.58	14.46	12.78	16.91	13.4	13
7/19/2013 21:30	13.02	12.54	14.13	12.3	13.35	12.58	14.46	12.78	16.91	13.4	13.01
7/19/2013 21:40	13.02	12.54	14.13	12.3	13.35	12.58	14.47	12.78	16.92	13.41	12.99
7/19/2013 21:50	13.02	12.55	14.13	12.3	13.35	12.58	14.47	12.78	16.9	13.4	12.97
7/19/2013 22:00	13.02	12.55	14.13	12.31	13.35	12.58	14.47	12.78	16.9	13.41	12.94
7/19/2013 22:10	13.02	12.55	14.13	12.31	13.35	12.58	14.46	12.78	16.91	13.4	12.96
7/19/2013 22:20	13.02	12.56	14.13	12.31	13.35	12.58	14.46	12.79	16.88	13.41	12.92
7/19/2013 22:30	13.02	12.56	14.13	12.3	13.35	12.58	14.47	12.79	16.88	13.41	12.98
7/19/2013 22:40	13.02	12.56	14.13	12.3	13.35	12.58	14.46	12.79	16.9	13.4	12.98
7/19/2013 22:50	13.02	12.57	14.13	12.3	13.35	12.58	14.47	12.79	16.89	13.4	12.98
7/19/2013 23:00	13.02	12.57	14.14	12.3	13.35	12.58	14.46	12.79	16.91	13.4	12.99
7/19/2013 23:10	13.02	12.57	14.13	12.29	13.35	12.58	14.46	12.79	16.9	13.4	13.03
7/19/2013 23:20	13.02	12.58	14.13	12.29	13.35	12.58	14.46	12.8	16.86	13.4	12.98
7/19/2013 23:30	13.02	12.58	14.13	12.29	13.35	12.58	14.46	12.8	16.88	13.4	12.95
7/19/2013 23:40	13.02	12.59	14.13	12.29	13.35	12.58	14.46	12.8	16.88	13.4	12.84
7/19/2013 23:50	13.02	12.59	14.13	12.29	13.35	12.58	14.46	12.8	16.87	13.4	12.8
7/20/2013 0:00	13.02	12.59	14.14	12.3	13.35	12.58	14.46	12.8	16.88	13.4	12.81
7/20/2013 0:10	13.02	12.59	14.14	12.31	13.35	12.58	14.47	12.8	16.85	13.4	12.87
7/20/2013 0:20	13.02	12.6	14.14	12.31	13.35	12.58	14.47	12.8	16.9	13.4	13.06
7/20/2013 0:30	13.02	12.6	14.14	12.32	13.35	12.58	14.47	12.8	16.92	13.41	12.95
7/20/2013 0:40	13.02	12.61	14.14	12.32	13.35	12.58	14.47	12.81	16.88	13.4	12.93
7/20/2013 0:50	13.02	12.61	14.14	12.32	13.35	12.58	14.47	12.81	16.87	13.4	12.96
7/20/2013 1:00	13.02	12.61	14.14	12.32	13.35	12.58	14.47	12.81	16.95	13.4	13.01
7/20/2013 1:10	13.02	12.61	14.14	12.32	13.35	12.58	14.47	12.81	16.89	13.4	12.91

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/20/2013 1:20	13.03	12.61	14.14	12.32	13.35	12.58	14.47	12.81	16.91	13.41	12.85
7/20/2013 1:30	13.02	12.61	14.14	12.33	13.35	12.58	14.47	12.81	16.9	13.4	12.88
7/20/2013 1:40	13.03	12.61	14.14	12.33	13.35	12.58	14.47	12.81	16.9	13.4	12.81
7/20/2013 1:50	13.02	12.61	14.14	12.32	13.35	12.58	14.47	12.81	16.93	13.4	12.83
7/20/2013 2:00	13.03	12.61	14.14	12.32	13.35	12.58	14.47	12.81	16.92	13.4	12.8
7/20/2013 2:10	13.02	12.61	14.14	12.32	13.35	12.58	14.47	12.81	16.9	13.4	12.78
7/20/2013 2:20	13.02	12.61	14.14	12.32	13.35	12.58	14.47	12.81	16.92	13.41	12.8
7/20/2013 2:30	13.03	12.6	14.14	12.32	13.35	12.58	14.47	12.81	16.87	13.4	12.76
7/20/2013 2:40	13.03	12.6	14.14	12.32	13.35	12.58	14.47	12.81	16.91	13.4	12.75
7/20/2013 2:50	13.03	12.6	14.14	12.32	13.35	12.58	14.47	12.81	16.87	13.4	12.74
7/20/2013 3:00	13.03	12.6	14.14	12.32	13.35	12.58	14.47	12.81	16.87	13.41	12.74
7/20/2013 3:10	13.03	12.6	14.14	12.32	13.35	12.58	14.47	12.81	16.91	13.4	12.69
7/20/2013 3:20	13.03	12.59	14.14	12.32	13.35	12.58	14.47	12.81	16.88	13.4	12.67
7/20/2013 3:30	13.03	12.59	14.14	12.31	13.35	12.58	14.47	12.81	16.91	13.4	12.7
7/20/2013 3:40	13.03	12.58	14.14	12.31	13.35	12.58	14.47	12.81	16.99	13.4	12.65
7/20/2013 3:50	13.03	12.58	14.14	12.3	13.35	12.58	14.47	12.8	16.93	13.4	12.69
7/20/2013 4:00	13.03	12.57	14.14	12.28	13.35	12.58	14.47	12.8	16.91	13.4	12.78
7/20/2013 4:10	13.03	12.57	14.14	12.26	13.35	12.58	14.48	12.79	16.89	13.4	12.74
7/20/2013 4:20	13.03	12.56	14.14	12.26	13.35	12.58	14.48	12.79	16.87	13.4	12.72
7/20/2013 4:30	13.03	12.55	14.14	12.25	13.35	12.58	14.48	12.79	16.93	13.4	12.77
7/20/2013 4:40	13.03	12.55	14.14	12.25	13.36	12.58	14.48	12.79	16.91	13.4	12.83
7/20/2013 4:50	13.03	12.54	14.14	12.25	13.36	12.58	14.48	12.78	16.91	13.4	12.93
7/20/2013 5:00	13.03	12.54	14.14	12.25	13.35	12.58	14.48	12.78	16.9	13.4	12.91
7/20/2013 5:10	13.03	12.53	14.14	12.25	13.35	12.58	14.48	12.78	16.9	13.4	12.87
7/20/2013 5:20	13.03	12.52	14.15	12.26	13.36	12.58	14.48	12.77	16.91	13.41	13.1
7/20/2013 5:30	13.03	12.51	14.14	12.26	13.36	12.58	14.48	12.77	16.9	13.4	12.99
7/20/2013 5:40	13.03	12.5	14.15	12.26	13.35	12.58	14.48	12.77	16.91	13.4	13.2
7/20/2013 5:50	13.03	12.49	14.15	12.27	13.36	12.58	14.48	12.77	16.9	13.4	13.38
7/20/2013 6:00	13.03	12.44	14.14	12.27	13.36	12.58	14.48	12.76	16.91	13.4	13.37
7/20/2013 6:10	13.03	12.42	14.15	12.27	13.36	12.58	14.48	12.76	16.95	13.4	13.53
7/20/2013 6:20	13.03	12.42	14.15	12.25	13.36	12.58	14.48	12.76	16.93	13.4	13.36
7/20/2013 6:30	13.03	12.43	14.15	12.24	13.36	12.58	14.48	12.76	16.93	13.4	13.69
7/20/2013 6:40	13.03	12.44	14.15	12.24	13.36	12.58	14.48	12.75	16.94	13.4	13.82
7/20/2013 6:50	13.04	12.44	14.15	12.23	13.36	12.58	14.48	12.75	16.94	13.4	13.95
7/20/2013 7:00	13.04	12.44	14.15	12.23	13.36	12.58	14.49	12.75	16.96	13.4	13.96
7/20/2013 7:10	13.04	12.43	14.15	12.22	13.36	12.58	14.48	12.75	16.97	13.4	14.11
7/20/2013 7:20	13.04	12.43	14.15	12.22	13.36	12.58	14.49	12.75	16.95	13.4	14.41
7/20/2013 7:30	13.04	12.43	14.15	12.22	13.36	12.58	14.48	12.75	16.95	13.4	14.56
7/20/2013 7:40	13.04	12.43	14.15	12.21	13.36	12.58	14.48	12.75	17.01	13.4	14.54

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/20/2013 7:50	13.04	12.43	14.15	12.21	13.36	12.58	14.49	12.75	16.93	13.4	14.84
7/20/2013 8:00	13.04	12.43	14.15	12.22	13.36	12.58	14.49	12.75	16.93	13.4	14.68
7/20/2013 8:10	13.04	12.43	14.15	12.22	13.36	12.58	14.49	12.75	16.97	13.4	14.86
7/20/2013 8:20	13.04	12.44	14.15	12.22	13.36	12.58	14.49	12.75	16.98	13.4	14.85
7/20/2013 8:30	13.04	12.44	14.15	12.23	13.36	12.58	14.49	12.75	16.95	13.4	14.79
7/20/2013 8:40	13.04	12.44	14.15	12.23	13.36	12.58	14.49	12.75	16.9	13.4	14.99
7/20/2013 8:50	13.04	12.44	14.15	12.24	13.36	12.58	14.49	12.75	16.9	13.4	14.82
7/20/2013 9:00	13.04	12.45	14.15	12.24	13.36	12.58	14.49	12.75	16.97	13.4	15.05
7/20/2013 9:10	13.04	12.45	14.15	12.24	13.36	12.58	14.49	12.74	16.97	13.4	14.83
7/20/2013 9:20	13.04	12.45	14.15	12.25	13.36	12.58	14.49	12.74	16.97	13.4	14.89
7/20/2013 9:30	13.04	12.46	14.15	12.25	13.36	12.58	14.49	12.75	16.95	13.4	14.8
7/20/2013 9:40	13.04	12.46	14.15	12.25	13.36	12.58	14.49	12.74	16.97	13.4	14.4
7/20/2013 9:50	13.04	12.46	14.15	12.26	13.36	12.58	14.49	12.74	16.97	13.4	14.38
7/20/2013 10:00	13.04	12.46	14.15	12.26	13.36	12.58	14.49	12.74	16.97	13.4	13.98
7/20/2013 10:10	13.04	12.47	14.15	12.26	13.36	12.58	14.49	12.74	16.95	13.4	13.76
7/20/2013 10:20	13.04	12.47	14.15	12.27	13.36	12.58	14.49	12.74	16.96	13.4	13.8
7/20/2013 10:30	13.04	12.47	14.15	12.27	13.37	12.58	14.49	12.75	16.96	13.4	13.87
7/20/2013 10:40	13.04	12.48	14.15	12.27	13.36	12.58	14.49	12.74	16.93	13.4	13.96
7/20/2013 10:50	13.04	12.49	14.16	12.27	13.37	12.58	14.49	12.74	16.95	13.4	13.88
7/20/2013 11:00	13.04	12.49	14.16	12.28	13.37	12.58	14.49	12.74	16.97	13.4	13.71
7/20/2013 11:10	13.04	12.49	14.15	12.28	13.37	12.58	14.49	12.75	16.96	13.4	13.83
7/20/2013 11:20	13.04	12.5	14.16	12.29	13.37	12.58	14.49	12.75	16.94	13.4	13.75
7/20/2013 11:30	13.04	12.5	14.16	12.29	13.37	12.58	14.49	12.75	16.92	13.4	13.72
7/20/2013 11:40	13.05	12.51	14.15	12.31	13.37	12.58	14.49	12.75	16.93	13.4	13.71
7/20/2013 11:50	13.05	12.51	14.15	12.32	13.37	12.58	14.49	12.75	16.92	13.4	13.79
7/20/2013 12:00	13.05	12.52	14.16	12.32	13.37	12.58	14.49	12.75	16.94	13.4	13.58
7/20/2013 12:10	13.05	12.53	14.16	12.33	13.37	12.58	14.49	12.76	16.95	13.4	13.34
7/20/2013 12:20	13.05	12.54	14.16	12.34	13.37	12.58	14.49	12.76	16.97	13.4	13.57
7/20/2013 12:30	13.05	12.54	14.15	12.34	13.37	12.58	14.49	12.76	16.99	13.4	13.38
7/20/2013 12:40	13.05	12.55	14.16	12.34	13.37	12.58	14.49	12.77	16.97	13.4	13.35
7/20/2013 12:50	13.05	12.56	14.16	12.34	13.37	12.58	14.49	12.77	16.98	13.4	13.37
7/20/2013 13:00	13.05	12.57	14.16	12.35	13.37	12.58	14.49	12.77	17	13.4	13.29
7/20/2013 13:10	13.05	12.57	14.16	12.35	13.37	12.58	14.49	12.78	16.98	13.4	13.01
7/20/2013 13:20	13.05	12.58	14.16	12.35	13.37	12.58	14.49	12.78	16.95	13.4	13.18
7/20/2013 13:30	13.05	12.58	14.16	12.35	13.37	12.57	14.49	12.78	16.99	13.4	13
7/20/2013 13:40	13.05	12.59	14.16	12.35	13.37	12.58	14.49	12.78	16.97	13.4	13.31
7/20/2013 13:50	13.05	12.59	14.16	12.35	13.37	12.58	14.49	12.78	17	13.4	13.05
7/20/2013 14:00	13.05	12.6	14.16	12.35	13.37	12.58	14.5	12.78	17	13.4	12.71
7/20/2013 14:10	13.05	12.6	14.16	12.36	13.38	12.58	14.5	12.78	17.01	13.4	12.7

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/20/2013 14:20	13.05	12.6	14.16	12.36	13.38	12.58	14.5	12.78	17.04	13.4	12.71
7/20/2013 14:30	13.05	12.6	14.16	12.36	13.38	12.57	14.5	12.78	17.03	13.4	12.67
7/20/2013 14:40	13.05	12.6	14.17	12.36	13.38	12.57	14.5	12.79	17.02	13.4	12.7
7/20/2013 14:50	13.05	12.6	14.17	12.36	13.38	12.57	14.5	12.79	17.05	13.4	12.64
7/20/2013 15:00	13.05	12.6	14.16	12.36	13.38	12.58	14.5	12.79	17.03	13.4	12.68
7/20/2013 15:10	13.05	12.6	14.17	12.36	13.38	12.57	14.5	12.79	17.07	13.4	12.64
7/20/2013 15:20	13.06	12.6	14.17	12.36	13.38	12.57	14.5	12.79	17.04	13.4	12.62
7/20/2013 15:30	13.06	12.6	14.17	12.35	13.38	12.57	14.5	12.79	17.07	13.4	12.59
7/20/2013 15:40	13.06	12.6	14.17	12.35	13.38	12.57	14.5	12.79	17.01	13.4	12.58
7/20/2013 15:50	13.06	12.6	14.17	12.35	13.38	12.57	14.5	12.79	17.03	13.4	12.58
7/20/2013 16:00	13.06	12.6	14.17	12.35	13.38	12.58	14.5	12.8	17.01	13.4	12.58
7/20/2013 16:10	13.06	12.6	14.17	12.35	13.38	12.57	14.5	12.8	17.02	13.4	12.58
7/20/2013 16:20	13.06	12.6	14.17	12.35	13.38	12.58	14.5	12.8	17.06	13.4	12.6
7/20/2013 16:30	13.06	12.6	14.17	12.35	13.38	12.57	14.5	12.8	17.05	13.4	12.6
7/20/2013 16:40	13.06	12.6	14.17	12.34	13.38	12.57	14.51	12.8	17.03	13.4	12.57
7/20/2013 16:50	13.06	12.6	14.17	12.34	13.38	12.57	14.51	12.8	17.06	13.4	12.57
7/20/2013 17:00	13.06	12.6	14.17	12.34	13.38	12.57	14.5	12.8	17.05	13.4	12.56
7/20/2013 17:10	13.06	12.6	14.17	12.33	13.38	12.57	14.51	12.8	17.08	13.4	12.57
7/20/2013 17:20	13.06	12.6	14.17	12.33	13.38	12.57	14.5	12.8	17.03	13.4	12.55
7/20/2013 17:30	13.06	12.6	14.17	12.32	13.38	12.57	14.51	12.8	17.06	13.4	12.55
7/20/2013 17:40	13.06	12.6	14.18	12.3	13.38	12.57	14.51	12.8	17.02	13.4	12.56
7/20/2013 17:50	13.06	12.6	14.18	12.29	13.38	12.57	14.51	12.8	17.01	13.4	12.56
7/20/2013 18:00	13.06	12.6	14.18	12.29	13.38	12.57	14.51	12.8	17.06	13.4	12.58
7/20/2013 18:10	13.06	12.6	14.18	12.29	13.38	12.57	14.51	12.8	17.04	13.4	12.59
7/20/2013 18:20	13.06	12.6	14.18	12.29	13.38	12.57	14.51	12.8	17.03	13.4	12.59
7/20/2013 18:30	13.06	12.59	14.18	12.29	13.38	12.57	14.51	12.8	17.02	13.4	12.59
7/20/2013 18:40	13.06	12.59	14.18	12.29	13.39	12.57	14.51	12.8	16.96	13.4	12.59
7/20/2013 18:50	13.06	12.59	14.18	12.29	13.39	12.57	14.52	12.8	16.96	13.4	12.59
7/20/2013 19:00	13.06	12.59	14.18	12.29	13.39	12.57	14.52	12.8	16.98	13.4	12.59
7/20/2013 19:10	13.06	12.59	14.18	12.29	13.39	12.57	14.52	12.8	16.98	13.4	12.58
7/20/2013 19:20	13.06	12.59	14.18	12.29	13.39	12.57	14.52	12.8	16.99	13.4	12.59
7/20/2013 19:30	13.06	12.58	14.18	12.29	13.39	12.57	14.52	12.8	17	13.4	12.59
7/20/2013 19:40	13.06	12.58	14.18	12.29	13.39	12.57	14.52	12.8	16.98	13.4	12.6
7/20/2013 19:50	13.06	12.57	14.18	12.29	13.39	12.57	14.52	12.8	16.99	13.4	12.6
7/20/2013 20:00	13.06	12.57	14.18	12.29	13.39	12.57	14.51	12.79	17	13.4	12.62
7/20/2013 20:10	13.06	12.57	14.18	12.29	13.38	12.57	14.52	12.79	16.99	13.4	12.63
7/20/2013 20:20	13.07	12.56	14.18	12.29	13.39	12.57	14.51	12.79	17	13.4	12.63
7/20/2013 20:30	13.07	12.56	14.18	12.29	13.39	12.57	14.51	12.79	16.98	13.4	12.65
7/20/2013 20:40	13.06	12.55	14.18	12.29	13.39	12.57	14.52	12.79	16.98	13.4	12.66

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/20/2013 20:50	13.07	12.54	14.18	12.29	13.39	12.57	14.52	12.79	17.03	13.4	12.66
7/20/2013 21:00	13.07	12.52	14.18	12.29	13.39	12.57	14.52	12.79	17.01	13.4	12.67
7/20/2013 21:10	13.07	12.51	14.18	12.29	13.39	12.58	14.52	12.78	17.02	13.4	12.81
7/20/2013 21:20	13.07	12.51	14.18	12.29	13.39	12.57	14.52	12.78	17	13.4	12.67
7/20/2013 21:30	13.07	12.51	14.18	12.29	13.39	12.57	14.52	12.78	17.02	13.4	12.68
7/20/2013 21:40	13.07	12.52	14.18	12.29	13.39	12.57	14.52	12.78	17.02	13.4	12.67
7/20/2013 21:50	13.07	12.51	14.18	12.29	13.39	12.57	14.52	12.78	17.01	13.4	12.74
7/20/2013 22:00	13.07	12.51	14.18	12.29	13.39	12.58	14.52	12.78	17.03	13.4	12.73
7/20/2013 22:10	13.07	12.51	14.18	12.3	13.39	12.58	14.52	12.78	17.06	13.4	12.71
7/20/2013 22:20	13.07	12.52	14.18	12.3	13.39	12.57	14.52	12.78	17.04	13.4	12.72
7/20/2013 22:30	13.07	12.52	14.18	12.3	13.39	12.57	14.52	12.78	17.04	13.4	12.74
7/20/2013 22:40	13.07	12.52	14.18	12.31	13.39	12.57	14.52	12.78	17.02	13.4	12.77
7/20/2013 22:50	13.07	12.51	14.18	12.31	13.39	12.57	14.52	12.78	17.05	13.4	12.77
7/20/2013 23:00	13.07	12.52	14.18	12.31	13.39	12.57	14.52	12.78	17.05	13.4	12.78
7/20/2013 23:10	13.07	12.52	14.18	12.31	13.39	12.57	14.52	12.78	16.98	13.4	12.79
7/20/2013 23:20	13.07	12.53	14.18	12.31	13.39	12.57	14.52	12.79	17.02	13.4	12.74
7/20/2013 23:30	13.07	12.54	14.19	12.31	13.39	12.57	14.52	12.79	17.01	13.4	12.77
7/20/2013 23:40	13.07	12.55	14.18	12.31	13.39	12.58	14.52	12.79	17	13.4	12.8
7/20/2013 23:50	13.07	12.56	14.18	12.31	13.39	12.57	14.52	12.79	17.01	13.4	12.75
7/21/2013 0:00	13.07	12.57	14.18	12.32	13.39	12.57	14.52	12.79	17.01	13.4	12.71
7/21/2013 0:10	13.07	12.57	14.19	12.32	13.39	12.57	14.52	12.79	17	13.4	12.68
7/21/2013 0:20	13.08	12.57	14.19	12.31	13.39	12.57	14.53	12.79	17.01	13.4	12.67
7/21/2013 0:30	13.07	12.58	14.19	12.32	13.39	12.57	14.53	12.8	17.01	13.4	12.69
7/21/2013 0:40	13.07	12.58	14.19	12.32	13.39	12.57	14.53	12.8	17.01	13.4	12.71
7/21/2013 0:50	13.08	12.59	14.19	12.32	13.39	12.57	14.53	12.8	16.98	13.4	12.7
7/21/2013 1:00	13.07	12.59	14.19	12.31	13.39	12.57	14.53	12.8	16.98	13.4	12.68
7/21/2013 1:10	13.07	12.59	14.19	12.31	13.39	12.57	14.53	12.8	17	13.4	12.64
7/21/2013 1:20	13.08	12.6	14.19	12.31	13.39	12.57	14.53	12.8	16.95	13.4	12.64
7/21/2013 1:30	13.07	12.6	14.19	12.32	13.39	12.57	14.53	12.8	16.98	13.4	12.65
7/21/2013 1:40	13.08	12.61	14.19	12.32	13.39	12.57	14.53	12.81	16.99	13.4	12.66
7/21/2013 1:50	13.08	12.61	14.2	12.32	13.39	12.57	14.53	12.81	16.99	13.4	12.66
7/21/2013 2:00	13.07	12.61	14.19	12.32	13.39	12.57	14.53	12.81	17	13.4	12.67
7/21/2013 2:10	13.07	12.61	14.19	12.33	13.39	12.57	14.53	12.81	17.02	13.4	12.64
7/21/2013 2:20	13.07	12.61	14.19	12.33	13.39	12.57	14.53	12.81	17.01	13.4	12.62
7/21/2013 2:30	13.08	12.61	14.19	12.33	13.39	12.58	14.53	12.81	17	13.4	12.6
7/21/2013 2:40	13.08	12.61	14.19	12.33	13.39	12.57	14.53	12.81	17.01	13.4	12.59
7/21/2013 2:50	13.08	12.61	14.19	12.33	13.39	12.57	14.53	12.81	17.02	13.4	12.6
7/21/2013 3:00	13.08	12.61	14.2	12.32	13.39	12.57	14.53	12.81	17.01	13.4	12.61
7/21/2013 3:10	13.08	12.61	14.19	12.32	13.39	12.57	14.53	12.81	16.99	13.41	12.61

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/21/2013 3:20	13.08	12.61	14.19	12.32	13.39	12.58	14.53	12.81	17	13.4	12.6
7/21/2013 3:30	13.08	12.61	14.19	12.32	13.39	12.57	14.53	12.81	17	13.41	12.59
7/21/2013 3:40	13.08	12.6	14.2	12.32	13.39	12.57	14.53	12.81	16.98	13.4	12.58
7/21/2013 3:50	13.08	12.6	14.2	12.32	13.39	12.57	14.53	12.81	17	13.4	12.58
7/21/2013 4:00	13.08	12.6	14.2	12.32	13.39	12.58	14.54	12.81	16.98	13.4	12.56
7/21/2013 4:10	13.08	12.6	14.2	12.32	13.39	12.58	14.54	12.81	16.96	13.4	12.58
7/21/2013 4:20	13.08	12.59	14.2	12.31	13.39	12.57	14.54	12.81	16.99	13.4	12.57
7/21/2013 4:30	13.08	12.59	14.2	12.31	13.39	12.58	14.54	12.81	17.02	13.4	12.57
7/21/2013 4:40	13.08	12.58	14.2	12.31	13.39	12.57	14.54	12.8	16.97	13.4	12.56
7/21/2013 4:50	13.08	12.58	14.2	12.3	13.39	12.58	14.54	12.8	17	13.4	12.57
7/21/2013 5:00	13.08	12.57	14.2	12.27	13.39	12.58	14.54	12.8	17.03	13.4	12.59
7/21/2013 5:10	13.08	12.57	14.2	12.26	13.39	12.58	14.54	12.8	17.01	13.4	12.63
7/21/2013 5:20	13.09	12.56	14.2	12.26	13.39	12.57	14.54	12.8	17.02	13.4	12.62
7/21/2013 5:30	13.08	12.55	14.2	12.26	13.39	12.58	14.54	12.8	16.99	13.4	12.69
7/21/2013 5:40	13.08	12.55	14.2	12.26	13.39	12.57	14.54	12.79	16.99	13.4	12.65
7/21/2013 5:50	13.08	12.54	14.2	12.26	13.39	12.57	14.55	12.79	17	13.4	12.64
7/21/2013 6:00	13.09	12.53	14.2	12.25	13.39	12.57	14.55	12.78	17.02	13.4	12.65
7/21/2013 6:10	13.09	12.52	14.2	12.25	13.39	12.57	14.55	12.78	17.02	13.4	12.69
7/21/2013 6:20	13.09	12.51	14.2	12.25	13.39	12.58	14.55	12.78	17	13.4	12.75
7/21/2013 6:30	13.08	12.49	14.2	12.26	13.39	12.58	14.55	12.77	17.02	13.4	12.91
7/21/2013 6:40	13.09	12.48	14.2	12.27	13.39	12.58	14.55	12.77	17.02	13.4	12.89
7/21/2013 6:50	13.08	12.48	14.2	12.27	13.39	12.58	14.55	12.77	17.05	13.4	12.99
7/21/2013 7:00	13.09	12.46	14.2	12.25	13.39	12.58	14.55	12.76	17.02	13.4	13.05
7/21/2013 7:10	13.09	12.42	14.2	12.26	13.39	12.58	14.55	12.76	17.03	13.4	12.96
7/21/2013 7:20	13.09	12.42	14.2	12.25	13.39	12.58	14.54	12.76	17.01	13.4	13.18
7/21/2013 7:30	13.09	12.43	14.2	12.24	13.39	12.58	14.54	12.76	17	13.4	13.31
7/21/2013 7:40	13.09	12.43	14.2	12.23	13.39	12.58	14.54	12.76	16.99	13.4	13.88
7/21/2013 7:50	13.09	12.44	14.2	12.23	13.39	12.58	14.55	12.76	16.98	13.4	13.72
7/21/2013 8:00	13.09	12.43	14.2	12.22	13.39	12.58	14.54	12.76	16.96	13.4	13.96
7/21/2013 8:10	13.09	12.43	14.2	12.22	13.39	12.58	14.54	12.75	16.97	13.4	14.83
7/21/2013 8:20	13.09	12.43	14.2	12.21	13.39	12.58	14.54	12.75	16.99	13.4	14.35
7/21/2013 8:30	13.09	12.42	14.2	12.21	13.39	12.58	14.55	12.75	16.98	13.4	14.42
7/21/2013 8:40	13.09	12.43	14.2	12.21	13.39	12.58	14.55	12.75	16.99	13.4	14.17
7/21/2013 8:50	13.09	12.43	14.2	12.22	13.39	12.58	14.55	12.75	17.01	13.4	15.04
7/21/2013 9:00	13.09	12.43	14.2	12.22	13.4	12.58	14.55	12.75	17.04	13.4	14.48
7/21/2013 9:10	13.09	12.44	14.2	12.23	13.4	12.58	14.55	12.75	17.02	13.4	14.56
7/21/2013 9:20	13.09	12.44	14.2	12.23	13.4	12.58	14.55	12.75	17.03	13.4	14.9
7/21/2013 9:30	13.09	12.44	14.21	12.23	13.4	12.58	14.55	12.75	17.02	13.4	14.55
7/21/2013 9:40	13.09	12.45	14.2	12.24	13.4	12.58	14.55	12.75	17.02	13.4	15.08

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/21/2013 9:50	13.09	12.45	14.21	12.24	13.4	12.58	14.55	12.75	17.01	13.4	15.05
7/21/2013 10:00	13.09	12.45	14.21	12.25	13.4	12.58	14.55	12.75	16.99	13.4	14.77
7/21/2013 10:10	13.09	12.45	14.21	12.25	13.4	12.58	14.55	12.75	17.01	13.4	14.74
7/21/2013 10:20	13.09	12.46	14.21	12.25	13.4	12.58	14.55	12.75	17	13.4	15.12
7/21/2013 10:30	13.1	12.45	14.21	12.26	13.4	12.58	14.55	12.75	16.97	13.4	14.37
7/21/2013 10:40	13.1	12.46	14.21	12.26	13.4	12.58	14.55	12.75	17	13.4	14.42
7/21/2013 10:50	13.1	12.46	14.21	12.26	13.4	12.58	14.55	12.75	17.05	13.4	13.94
7/21/2013 11:00	13.1	12.47	14.21	12.26	13.4	12.58	14.55	12.75	17.03	13.4	13.77
7/21/2013 11:10	13.1	12.47	14.21	12.27	13.4	12.58	14.55	12.75	17.01	13.4	13.95
7/21/2013 11:20	13.09	12.47	14.21	12.27	13.4	12.58	14.55	12.75	17.02	13.4	13.76
7/21/2013 11:30	13.1	12.48	14.21	12.27	13.4	12.58	14.55	12.75	17.01	13.4	13.93
7/21/2013 11:40	13.09	12.49	14.21	12.28	13.4	12.58	14.55	12.75	17.02	13.4	13.82
7/21/2013 11:50	13.1	12.49	14.21	12.28	13.4	12.58	14.55	12.75	17.02	13.4	13.97
7/21/2013 12:00	13.1	12.49	14.21	12.28	13.4	12.58	14.55	12.75	17.03	13.4	13.92
7/21/2013 12:10	13.1	12.5	14.21	12.29	13.4	12.58	14.55	12.75	17.03	13.4	13.59
7/21/2013 12:20	13.1	12.5	14.21	12.29	13.41	12.58	14.55	12.75	17.05	13.4	13.45
7/21/2013 12:30	13.1	12.51	14.21	12.3	13.41	12.58	14.55	12.75	17.04	13.4	13.46
7/21/2013 12:40	13.1	12.52	14.21	12.31	13.41	12.58	14.55	12.75	17.08	13.4	13.46
7/21/2013 12:50	13.1	12.52	14.21	12.32	13.41	12.58	14.55	12.76	17.05	13.4	13.19
7/21/2013 13:00	13.1	12.53	14.21	12.33	13.41	12.58	14.55	12.76	17.04	13.4	13.12
7/21/2013 13:10	13.1	12.54	14.21	12.33	13.41	12.58	14.55	12.76	17.05	13.4	13.07
7/21/2013 13:20	13.1	12.54	14.21	12.34	13.41	12.57	14.55	12.77	17.07	13.4	12.91
7/21/2013 13:30	13.1	12.55	14.21	12.34	13.41	12.58	14.56	12.77	17.14	13.4	12.94
7/21/2013 13:40	13.1	12.56	14.21	12.34	13.41	12.57	14.55	12.77	17.08	13.4	12.89
7/21/2013 13:50	13.1	12.57	14.21	12.34	13.41	12.58	14.56	12.78	17.18	13.4	12.82
7/21/2013 14:00	13.1	12.58	14.22	12.35	13.41	12.57	14.55	12.78	17.13	13.4	12.82
7/21/2013 14:10	13.1	12.58	14.22	12.35	13.41	12.57	14.56	12.78	17.18	13.4	12.79
7/21/2013 14:20	13.1	12.59	14.22	12.35	13.41	12.57	14.56	12.78	17.15	13.4	12.84
7/21/2013 14:30	13.1	12.59	14.22	12.35	13.41	12.57	14.56	12.78	17.13	13.4	12.74
7/21/2013 14:40	13.1	12.6	14.22	12.35	13.41	12.57	14.55	12.78	17.07	13.4	12.77
7/21/2013 14:50	13.1	12.6	14.22	12.35	13.41	12.57	14.56	12.78	17.09	13.4	12.71
7/21/2013 15:00	13.1	12.6	14.22	12.36	13.41	12.57	14.56	12.78	17.06	13.4	12.69
7/21/2013 15:10	13.11	12.6	14.22	12.36	13.42	12.57	14.56	12.79	17.04	13.4	12.69
7/21/2013 15:20	13.11	12.6	14.22	12.36	13.41	12.57	14.56	12.79	17.08	13.4	12.69
7/21/2013 15:30	13.11	12.6	14.22	12.36	13.41	12.57	14.55	12.79	17.1	13.4	12.67
7/21/2013 15:40	13.11	12.6	14.22	12.36	13.41	12.57	14.56	12.79	17.12	13.4	12.67
7/21/2013 15:50	13.11	12.6	14.22	12.36	13.42	12.57	14.56	12.79	17.08	13.4	12.67
7/21/2013 16:00	13.11	12.6	14.22	12.36	13.42	12.57	14.56	12.79	17.08	13.4	12.64
7/21/2013 16:10	13.11	12.6	14.22	12.36	13.42	12.57	14.56	12.8	17.07	13.4	12.66

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/21/2013 16:20	13.11	12.6	14.22	12.36	13.42	12.57	14.56	12.8	17.09	13.4	12.64
7/21/2013 16:30	13.11	12.6	14.22	12.35	13.42	12.57	14.56	12.8	17.09	13.4	12.65
7/21/2013 16:40	13.11	12.6	14.22	12.35	13.42	12.57	14.56	12.8	17.09	13.4	12.66
7/21/2013 16:50	13.11	12.6	14.22	12.35	13.42	12.57	14.56	12.8	17.06	13.4	12.65
7/21/2013 17:00	13.11	12.6	14.23	12.35	13.42	12.57	14.56	12.8	17.13	13.4	12.65
7/21/2013 17:10	13.11	12.6	14.23	12.35	13.42	12.57	14.56	12.8	17.14	13.4	12.66
7/21/2013 17:20	13.11	12.6	14.23	12.35	13.42	12.57	14.56	12.8	17.12	13.4	12.66
7/21/2013 17:30	13.11	12.6	14.23	12.34	13.42	12.57	14.56	12.8	17.13	13.4	12.66
7/21/2013 17:40	13.11	12.6	14.23	12.34	13.42	12.57	14.56	12.81	17.09	13.4	12.66
7/21/2013 17:50	13.11	12.6	14.23	12.34	13.42	12.57	14.56	12.81	17.1	13.4	12.67
7/21/2013 18:00	13.11	12.6	14.23	12.34	13.42	12.57	14.57	12.81	17.11	13.41	12.68
7/21/2013 18:10	13.11	12.6	14.23	12.33	13.42	12.57	14.57	12.81	17.1	13.4	12.68
7/21/2013 18:20	13.11	12.6	14.23	12.33	13.42	12.57	14.57	12.81	17.11	13.4	12.68
7/21/2013 18:30	13.11	12.6	14.23	12.33	13.42	12.57	14.57	12.81	17.09	13.4	12.69
7/21/2013 18:40	13.12	12.6	14.23	12.32	13.42	12.57	14.57	12.81	17.13	13.4	12.69
7/21/2013 18:50	13.11	12.6	14.23	12.32	13.42	12.57	14.57	12.81	17.14	13.4	12.69
7/21/2013 19:00	13.11	12.6	14.24	12.31	13.42	12.57	14.57	12.81	17.14	13.4	12.7
7/21/2013 19:10	13.12	12.59	14.23	12.31	13.42	12.57	14.57	12.81	17.13	13.4	12.7
7/21/2013 19:20	13.12	12.59	14.23	12.3	13.42	12.57	14.57	12.81	17.11	13.4	12.7
7/21/2013 19:30	13.12	12.59	14.23	12.3	13.42	12.57	14.58	12.81	17.1	13.4	12.7
7/21/2013 19:40	13.12	12.59	14.23	12.3	13.42	12.57	14.57	12.81	17.08	13.4	12.71
7/21/2013 19:50	13.11	12.59	14.23	12.3	13.42	12.57	14.58	12.81	17.09	13.4	12.72
7/21/2013 20:00	13.12	12.59	14.23	12.3	13.42	12.57	14.58	12.8	17.13	13.4	12.74
7/21/2013 20:10	13.12	12.58	14.23	12.3	13.42	12.57	14.58	12.81	17.2	13.4	12.73
7/21/2013 20:20	13.12	12.58	14.24	12.3	13.42	12.57	14.58	12.8	17.18	13.4	12.73
7/21/2013 20:30	13.12	12.57	14.24	12.3	13.42	12.57	14.58	12.8	17.16	13.4	12.73
7/21/2013 20:40	13.12	12.57	14.24	12.29	13.42	12.57	14.58	12.8	17.19	13.4	12.73
7/21/2013 20:50	13.12	12.56	14.24	12.29	13.42	12.57	14.58	12.8	17.13	13.4	12.76
7/21/2013 21:00	13.12	12.56	14.24	12.29	13.42	12.57	14.58	12.8	17.09	13.4	12.75
7/21/2013 21:10	13.12	12.53	14.24	12.29	13.42	12.57	14.58	12.8	17.09	13.4	12.75
7/21/2013 21:20	13.12	12.49	14.24	12.29	13.42	12.57	14.58	12.79	17.09	13.4	12.8
7/21/2013 21:30	13.12	12.48	14.24	12.29	13.42	12.57	14.58	12.79	17.11	13.4	12.77
7/21/2013 21:40	13.12	12.49	14.24	12.29	13.42	12.57	14.58	12.79	17.06	13.4	12.77
7/21/2013 21:50	13.12	12.49	14.24	12.29	13.42	12.57	14.59	12.79	17.06	13.4	12.86
7/21/2013 22:00	13.12	12.5	14.24	12.29	13.42	12.57	14.59	12.79	17.06	13.4	12.89
7/21/2013 22:10	13.12	12.5	14.24	12.29	13.42	12.57	14.58	12.78	17.07	13.4	12.83
7/21/2013 22:20	13.12	12.5	14.24	12.29	13.42	12.57	14.58	12.78	17.06	13.4	12.81
7/21/2013 22:30	13.12	12.51	14.24	12.29	13.42	12.57	14.58	12.79	17.08	13.4	12.87
7/21/2013 22:40	13.12	12.51	14.24	12.29	13.42	12.57	14.58	12.78	17.05	13.4	12.85

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/21/2013 22:50	13.12	12.51	14.24	12.29	13.42	12.57	14.58	12.78	17.06	13.4	12.82
7/21/2013 23:00	13.12	12.52	14.24	12.29	13.42	12.57	14.58	12.78	17.06	13.4	12.85
7/21/2013 23:10	13.12	12.52	14.24	12.3	13.42	12.57	14.59	12.78	17.07	13.4	12.88
7/21/2013 23:20	13.12	12.53	14.24	12.3	13.42	12.57	14.59	12.78	17.07	13.4	12.88
7/21/2013 23:30	13.12	12.53	14.24	12.3	13.42	12.57	14.58	12.78	17.06	13.4	12.89
7/21/2013 23:40	13.12	12.53	14.24	12.3	13.42	12.57	14.58	12.78	17.08	13.4	12.94
7/21/2013 23:50	13.12	12.54	14.24	12.3	13.42	12.57	14.58	12.78	17.02	13.4	12.94
7/22/2013 0:00	13.13	12.54	14.24	12.31	13.42	12.57	14.59	12.78	17.07	13.4	12.87
7/22/2013 0:10	13.12	12.54	14.24	12.31	13.42	12.57	14.58	12.79	17.08	13.4	12.86
7/22/2013 0:20	13.12	12.54	14.24	12.31	13.42	12.57	14.58	12.79	17.06	13.4	12.91
7/22/2013 0:30	13.13	12.54	14.24	12.31	13.43	12.57	14.58	12.79	17.09	13.4	12.93
7/22/2013 0:40	13.12	12.55	14.24	12.31	13.43	12.57	14.59	12.79	17.07	13.4	12.95
7/22/2013 0:50	13.12	12.55	14.24	12.31	13.43	12.57	14.59	12.79	17.1	13.4	12.86
7/22/2013 1:00	13.13	12.56	14.24	12.31	13.43	12.57	14.59	12.8	17.08	13.4	12.84
7/22/2013 1:10	13.13	12.56	14.24	12.32	13.43	12.57	14.59	12.8	17.07	13.4	12.81
7/22/2013 1:20	13.12	12.57	14.24	12.32	13.43	12.57	14.59	12.8	17.07	13.4	12.82
7/22/2013 1:30	13.13	12.58	14.24	12.32	13.43	12.57	14.59	12.8	17.08	13.4	12.86
7/22/2013 1:40	13.13	12.58	14.24	12.32	13.43	12.57	14.59	12.8	17.08	13.4	12.84
7/22/2013 1:50	13.13	12.58	14.25	12.32	13.43	12.57	14.59	12.81	17.1	13.4	12.79
7/22/2013 2:00	13.13	12.59	14.24	12.33	13.43	12.57	14.59	12.8	17.09	13.4	12.81
7/22/2013 2:10	13.13	12.59	14.24	12.33	13.43	12.57	14.59	12.81	17.11	13.4	12.82
7/22/2013 2:20	13.13	12.59	14.24	12.33	13.43	12.57	14.59	12.81	17.11	13.4	12.81
7/22/2013 2:30	13.13	12.6	14.24	12.33	13.43	12.57	14.59	12.81	17.09	13.4	12.79
7/22/2013 2:40	13.13	12.6	14.24	12.33	13.43	12.57	14.59	12.81	17.08	13.4	12.76
7/22/2013 2:50	13.13	12.61	14.25	12.33	13.43	12.57	14.59	12.81	17.09	13.4	12.77
7/22/2013 3:00	13.13	12.61	14.25	12.33	13.43	12.57	14.59	12.81	17.08	13.4	12.74
7/22/2013 3:10	13.13	12.61	14.25	12.33	13.43	12.57	14.59	12.82	17.06	13.4	12.75
7/22/2013 3:20	13.13	12.61	14.25	12.33	13.43	12.57	14.6	12.81	17.08	13.4	12.75
7/22/2013 3:30	13.13	12.61	14.25	12.33	13.43	12.57	14.59	12.81	17.08	13.4	12.75
7/22/2013 3:40	13.13	12.61	14.25	12.33	13.43	12.57	14.59	12.81	17.06	13.4	12.75
7/22/2013 3:50	13.13	12.61	14.25	12.33	13.43	12.57	14.59	12.82	17.08	13.4	12.74
7/22/2013 4:00	13.13	12.61	14.25	12.33	13.43	12.57	14.59	12.82	17.08	13.4	12.74
7/22/2013 4:10	13.13	12.61	14.25	12.33	13.43	12.57	14.59	12.82	17.07	13.4	12.74
7/22/2013 4:20	13.13	12.61	14.25	12.32	13.43	12.57	14.59	12.81	17.07	13.4	12.73
7/22/2013 4:30	13.13	12.61	14.25	12.32	13.43	12.57	14.59	12.82	17.08	13.4	12.72
7/22/2013 4:40	13.13	12.61	14.25	12.32	13.43	12.57	14.6	12.81	17.08	13.4	12.72
7/22/2013 4:50	13.14	12.6	14.25	12.32	13.43	12.57	14.6	12.81	17.1	13.4	12.73
7/22/2013 5:00	13.14	12.6	14.25	12.32	13.43	12.57	14.6	12.81	17.09	13.4	12.72
7/22/2013 5:10	13.13	12.6	14.25	12.32	13.43	12.57	14.6	12.81	17.05	13.4	12.73

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/22/2013 5:20	13.13	12.6	14.25	12.32	13.43	12.57	14.6	12.81	17.05	13.4	12.72
7/22/2013 5:30	13.13	12.59	14.25	12.31	13.43	12.57	14.6	12.81	17.07	13.4	12.73
7/22/2013 5:40	13.13	12.59	14.25	12.3	13.43	12.57	14.6	12.81	17.08	13.4	12.72
7/22/2013 5:50	13.14	12.58	14.25	12.28	13.43	12.57	14.6	12.81	17.08	13.4	12.73
7/22/2013 6:00	13.14	12.57	14.25	12.27	13.43	12.57	14.61	12.8	17.05	13.4	12.74
7/22/2013 6:10	13.14	12.56	14.25	12.27	13.43	12.57	14.61	12.8	17.07	13.4	12.77
7/22/2013 6:20	13.14	12.56	14.25	12.27	13.43	12.57	14.61	12.8	17.06	13.4	12.82
7/22/2013 6:30	13.14	12.55	14.25	12.27	13.43	12.57	14.61	12.79	17.06	13.4	12.8
7/22/2013 6:40	13.14	12.54	14.25	12.27	13.43	12.57	14.61	12.79	17.05	13.4	12.81
7/22/2013 6:50	13.14	12.54	14.25	12.27	13.43	12.57	14.61	12.79	17.05	13.4	12.8
7/22/2013 7:00	13.14	12.53	14.25	12.27	13.43	12.57	14.61	12.79	17.03	13.4	12.83
7/22/2013 7:10	13.14	12.52	14.25	12.28	13.43	12.57	14.61	12.78	17.12	13.4	12.84
7/22/2013 7:20	13.14	12.49	14.25	12.28	13.43	12.57	14.61	12.78	17.08	13.4	12.87
7/22/2013 7:30	13.14	12.48	14.26	12.28	13.43	12.57	14.61	12.78	17.08	13.4	12.89
7/22/2013 7:40	13.14	12.49	14.25	12.28	13.43	12.57	14.61	12.77	17.08	13.4	12.94
7/22/2013 7:50	13.14	12.48	14.25	12.27	13.43	12.57	14.61	12.77	17.1	13.4	12.92
7/22/2013 8:00	13.14	12.46	14.25	12.26	13.43	12.58	14.61	12.77	17.11	13.4	13.09
7/22/2013 8:10	13.14	12.41	14.25	12.25	13.43	12.58	14.61	12.77	17.12	13.4	13.12
7/22/2013 8:20	13.14	12.41	14.25	12.24	13.43	12.58	14.61	12.77	17.09	13.4	13.5
7/22/2013 8:30	13.14	12.42	14.26	12.24	13.43	12.58	14.61	12.77	17.09	13.4	13.42
7/22/2013 8:40	13.14	12.43	14.25	12.23	13.44	12.58	14.61	12.76	17.07	13.4	14.18
7/22/2013 8:50	13.14	12.43	14.26	12.22	13.43	12.58	14.61	12.76	17.08	13.4	14.45
7/22/2013 9:00	13.14	12.42	14.26	12.22	13.43	12.58	14.61	12.76	17.09	13.4	14.29
7/22/2013 9:10	13.14	12.42	14.26	12.21	13.43	12.58	14.61	12.76	17.1	13.4	14.38
7/22/2013 9:20	13.14	12.43	14.26	12.21	13.44	12.58	14.6	12.76	17.11	13.4	14.75
7/22/2013 9:30	13.14	12.43	14.26	12.22	13.43	12.58	14.61	12.76	17.11	13.4	14.6
7/22/2013 9:40	13.14	12.43	14.26	12.22	13.44	12.58	14.61	12.76	17.11	13.4	14.48
7/22/2013 9:50	13.14	12.43	14.26	12.22	13.44	12.58	14.61	12.76	17.12	13.4	14.66
7/22/2013 10:00	13.14	12.44	14.26	12.23	13.43	12.58	14.61	12.76	17.11	13.4	14.76
7/22/2013 10:10	13.14	12.44	14.26	12.23	13.43	12.58	14.61	12.76	17.12	13.4	14.94
7/22/2013 10:20	13.15	12.44	14.26	12.23	13.44	12.58	14.61	12.76	17.12	13.4	15.24
7/22/2013 10:30	13.15	12.45	14.26	12.24	13.44	12.58	14.61	12.76	17.11	13.4	15.07
7/22/2013 10:40	13.14	12.45	14.26	12.24	13.44	12.58	14.61	12.76	17.1	13.4	14.94
7/22/2013 10:50	13.15	12.45	14.26	12.25	13.44	12.58	14.61	12.76	17.1	13.4	15.09
7/22/2013 11:00	13.15	12.45	14.26	12.25	13.44	12.58	14.61	12.76	17.13	13.4	15.12
7/22/2013 11:10	13.15	12.45	14.26	12.25	13.44	12.58	14.61	12.75	17.13	13.4	15.16
7/22/2013 11:20	13.15	12.46	14.26	12.26	13.44	12.58	14.61	12.75	17.13	13.4	14.61
7/22/2013 11:30	13.15	12.46	14.26	12.26	13.44	12.58	14.61	12.76	17.1	13.4	14.73
7/22/2013 11:40	13.15	12.47	14.26	12.26	13.44	12.58	14.61	12.75	17.09	13.4	14.54

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/22/2013 11:50	13.15	12.47	14.26	12.27	13.44	12.58	14.61	12.75	17.11	13.4	14.25
7/22/2013 12:00	13.15	12.48	14.26	12.27	13.44	12.58	14.61	12.75	17.12	13.4	13.94
7/22/2013 12:10	13.15	12.48	14.26	12.27	13.44	12.58	14.61	12.76	17.13	13.4	14.06
7/22/2013 12:20	13.15	12.49	14.26	12.28	13.44	12.58	14.61	12.76	17.14	13.4	14.25
7/22/2013 12:30	13.15	12.49	14.26	12.28	13.44	12.58	14.61	12.76	17.14	13.4	14.25
7/22/2013 12:40	13.15	12.49	14.26	12.28	13.44	12.58	14.61	12.76	17.15	13.4	14.41
7/22/2013 12:50	13.15	12.5	14.26	12.29	13.44	12.58	14.61	12.76	17.14	13.4	14.06
7/22/2013 13:00	13.16	12.5	14.26	12.29	13.44	12.58	14.61	12.76	17.13	13.4	14.14
7/22/2013 13:10	13.15	12.51	14.26	12.3	13.44	12.58	14.61	12.76	17.13	13.4	13.79
7/22/2013 13:20	13.15	12.51	14.26	12.31	13.45	12.57	14.61	12.76	17.12	13.4	13.65
7/22/2013 13:30	13.16	12.52	14.26	12.32	13.45	12.58	14.61	12.76	17.13	13.4	13.57
7/22/2013 13:40	13.15	12.53	14.26	12.32	13.45	12.57	14.62	12.77	17.13	13.4	13.47
7/22/2013 13:50	13.15	12.53	14.26	12.33	13.45	12.57	14.61	12.77	17.12	13.4	13.35
7/22/2013 14:00	13.15	12.54	14.26	12.33	13.45	12.57	14.61	12.77	17.13	13.4	13.36
7/22/2013 14:10	13.16	12.55	14.26	12.34	13.45	12.57	14.62	12.77	17.14	13.4	13.34
7/22/2013 14:20	13.16	12.56	14.62	12.34	13.45	12.57	14.62	12.78	17.14	13.4	13.31
7/22/2013 14:30	13.16	12.57	14.44	12.34	13.45	12.57	14.62	12.78	17.45	13.62	13.31
7/22/2013 14:40	13.16	12.57	14.4	12.35	13.45	12.57	14.62	12.78	17.36	13.45	13.18
7/22/2013 14:50	13.16	12.58	14.37	12.35	13.45	12.57	14.62	12.78	17.31	13.42	13.12
7/22/2013 15:00	13.16	12.58	14.36	12.35	13.45	12.57	14.62	12.79	17.29	13.42	13.11
7/22/2013 15:10	13.16	12.59	14.34	12.36	13.45	12.57	14.62	12.79	17.21	13.41	13
7/22/2013 15:20	13.16	12.6	14.33	12.36	13.45	12.57	14.62	12.79	17.19	13.41	12.98
7/22/2013 15:30	13.16	12.6	14.33	12.36	13.45	12.57	14.62	12.79	17.22	13.41	13.04
7/22/2013 15:40	13.16	12.6	14.32	12.36	13.45	12.57	14.62	12.79	17.15	13.41	12.95
7/22/2013 15:50	13.16	12.6	14.32	12.37	13.45	12.57	14.62	12.79	17.16	13.41	12.93
7/22/2013 16:00	13.16	12.6	14.32	12.37	13.46	12.57	14.62	12.79	17.19	13.4	12.92
7/22/2013 16:10	13.16	12.6	14.32	12.37	13.45	12.57	14.63	12.8	17.18	13.4	12.93
7/22/2013 16:20	13.16	12.6	14.31	12.37	13.45	12.57	14.62	12.8	17.19	13.4	12.83
7/22/2013 16:30	13.16	12.6	14.31	12.37	13.46	12.57	14.62	12.79	17.18	13.4	12.86
7/22/2013 16:40	13.16	12.6	14.31	12.37	13.46	12.57	14.62	12.8	17.17	13.4	12.92
7/22/2013 16:50	13.16	12.6	14.31	12.37	13.46	12.57	14.62	12.8	17.2	13.4	12.95
7/22/2013 17:00	13.16	12.6	14.31	12.37	13.46	12.57	14.62	12.8	17.21	13.4	12.83
7/22/2013 17:10	13.17	12.6	14.31	12.36	13.46	12.57	14.62	12.8	17.2	13.4	12.91
7/22/2013 17:20	13.17	12.6	14.31	12.36	13.46	12.57	14.62	12.8	17.21	13.4	12.85
7/22/2013 17:30	13.16	12.6	14.31	12.36	13.46	12.57	14.62	12.8	17.22	13.4	13.1
7/22/2013 17:40	13.16	12.6	14.31	12.36	13.46	12.57	14.62	12.8	17.27	13.4	13.11
7/22/2013 17:50	13.16	12.6	14.31	12.35	13.46	12.57	14.63	12.8	17.25	13.4	12.84
7/22/2013 18:00	13.16	12.6	14.31	12.35	13.46	12.57	14.63	12.81	17.25	13.4	13.1
7/22/2013 18:10	13.16	12.6	14.31	12.35	13.46	12.57	14.63	12.81	17.23	13.4	13.09

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/22/2013 18:20	13.16	12.6	14.31	12.35	13.46	12.57	14.63	12.81	17.23	13.4	13.03
7/22/2013 18:30	13.17	12.6	14.31	12.34	13.46	12.57	14.63	12.81	17.19	13.4	12.99
7/22/2013 18:40	13.17	12.6	14.31	12.34	13.46	12.57	14.63	12.81	17.22	13.4	12.98
7/22/2013 18:50	13.17	12.6	14.31	12.33	13.46	12.57	14.63	12.81	17.22	13.4	12.97
7/22/2013 19:00	13.17	12.6	14.3	12.32	13.46	12.57	14.64	12.81	17.23	13.4	12.95
7/22/2013 19:10	13.17	12.6	14.31	12.32	13.46	12.57	14.64	12.81	17.19	13.4	12.92
7/22/2013 19:20	13.17	12.6	14.31	12.31	13.46	12.57	14.64	12.81	17.19	13.4	12.92
7/22/2013 19:30	13.17	12.6	14.31	12.31	13.46	12.57	14.64	12.81	17.22	13.4	12.92
7/22/2013 19:40	13.17	12.59	14.31	12.3	13.46	12.57	14.64	12.81	17.27	13.4	12.95
7/22/2013 19:50	13.17	12.6	14.31	12.3	13.46	12.57	14.64	12.81	17.27	13.4	12.96
7/22/2013 20:00	13.17	12.6	14.31	12.3	13.46	12.57	14.64	12.81	17.25	13.4	12.95
7/22/2013 20:10	13.17	12.59	14.31	12.3	13.46	12.57	14.64	12.8	17.24	13.4	12.97
7/22/2013 20:20	13.17	12.59	14.31	12.3	13.46	12.57	14.64	12.81	17.24	13.4	12.99
7/22/2013 20:30	13.17	12.59	14.31	12.3	13.46	12.57	14.64	12.8	17.23	13.4	12.99
7/22/2013 20:40	13.17	12.58	14.31	12.3	13.46	12.57	14.64	12.81	17.22	13.4	13.02
7/22/2013 20:50	13.17	12.58	14.31	12.3	13.46	12.57	14.65	12.8	17.22	13.4	13.01
7/22/2013 21:00	13.17	12.58	14.31	12.29	13.46	12.57	14.65	12.8	17.17	13.4	13.04
7/22/2013 21:10	13.17	12.57	14.31	12.29	13.46	12.57	14.65	12.8	17.14	13.4	13.06
7/22/2013 21:20	13.17	12.56	14.31	12.29	13.46	12.57	14.65	12.8	17.16	13.4	13.15
7/22/2013 21:30	13.17	12.54	14.31	12.29	13.46	12.57	14.65	12.8	17.1	13.4	13.12
7/22/2013 21:40	13.17	12.5	14.31	12.29	13.46	12.57	14.65	12.8	17.13	13.4	13.11
7/22/2013 21:50	13.17	12.48	14.31	12.29	13.46	12.57	14.66	12.8	17.18	13.4	13.12
7/22/2013 22:00	13.17	12.48	14.31	12.29	13.46	12.57	14.65	12.79	17.19	13.4	13.16
7/22/2013 22:10	13.17	12.48	14.31	12.29	13.46	12.57	14.66	12.79	17.2	13.4	13.32
7/22/2013 22:20	13.17	12.49	14.31	12.3	13.46	12.57	14.66	12.79	17.2	13.4	13.29
7/22/2013 22:30	13.17	12.5	14.31	12.3	13.46	12.57	14.65	12.79	17.21	13.4	13.22
7/22/2013 22:40	13.17	12.5	14.31	12.29	13.47	12.57	14.65	12.79	17.22	13.4	13.22
7/22/2013 22:50	13.17	12.51	14.31	12.29	13.46	12.57	14.65	12.79	17.21	13.4	13.21
7/22/2013 23:00	13.17	12.51	14.31	12.29	13.47	12.57	14.65	12.78	17.15	13.4	13.1
7/22/2013 23:10	13.17	12.51	14.31	12.3	13.46	12.57	14.65	12.78	17.2	13.4	13.2
7/22/2013 23:20	13.17	12.51	14.31	12.29	13.46	12.57	14.64	12.78	17.2	13.4	13.17
7/22/2013 23:30	13.18	12.51	14.31	12.29	13.46	12.57	14.65	12.78	17.22	13.4	13.18
7/22/2013 23:40	13.18	12.52	14.31	12.29	13.46	12.57	14.65	12.78	17.22	13.4	13.2
7/22/2013 23:50	13.18	12.52	14.31	12.29	13.47	12.57	14.65	12.78	17.22	13.4	13.21
7/23/2013 0:00	13.18	12.52	14.31	12.29	13.47	12.57	14.65	12.78	17.22	13.4	13.14
7/23/2013 0:10	13.18	12.53	14.31	12.3	13.46	12.57	14.65	12.78	17.23	13.4	13.11
7/23/2013 0:20	13.18	12.53	14.31	12.3	13.46	12.57	14.65	12.78	17.23	13.4	13.17
7/23/2013 0:30	13.18	12.53	14.31	12.3	13.46	12.57	14.65	12.78	17.22	13.4	13.2
7/23/2013 0:40	13.18	12.53	14.31	12.3	13.46	12.57	14.65	12.78	17.19	13.4	13.23

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/23/2013 0:50	13.18	12.54	14.31	12.3	13.47	12.57	14.65	12.78	17.17	13.4	13.34
7/23/2013 1:00	13.18	12.54	14.31	12.31	13.47	12.57	14.65	12.78	17.19	13.4	13.31
7/23/2013 1:10	13.18	12.55	14.31	12.31	13.47	12.57	14.65	12.78	17.2	13.4	13.29
7/23/2013 1:20	13.18	12.55	14.31	12.31	13.47	12.57	14.64	12.78	17.22	13.4	13.36
7/23/2013 1:30	13.18	12.55	14.31	12.31	13.47	12.57	14.65	12.79	17.22	13.4	13.24
7/23/2013 1:40	13.18	12.55	14.32	12.32	13.47	12.57	14.64	12.79	17.23	13.4	13.19
7/23/2013 1:50	13.18	12.55	14.32	12.32	13.47	12.57	14.65	12.79	17.23	13.4	13.2
7/23/2013 2:00	13.18	12.55	14.31	12.32	13.47	12.57	14.65	12.79	17.24	13.4	13.23
7/23/2013 2:10	13.18	12.55	14.31	12.32	13.47	12.57	14.65	12.79	17.22	13.4	13.2
7/23/2013 2:20	13.18	12.56	14.31	12.32	13.47	12.57	14.65	12.8	17.22	13.4	13.18
7/23/2013 2:30	13.18	12.57	14.32	12.32	13.47	12.57	14.65	12.8	17.17	13.4	13.21
7/23/2013 2:40	13.18	12.58	14.32	12.32	13.47	12.57	14.65	12.8	17.18	13.4	13.23
7/23/2013 2:50	13.18	12.58	14.32	12.33	13.47	12.57	14.65	12.8	17.19	13.4	13.16
7/23/2013 3:00	13.18	12.59	14.32	12.33	13.47	12.57	14.65	12.81	17.21	13.4	13.05
7/23/2013 3:10	13.18	12.59	14.32	12.33	13.47	12.57	14.65	12.81	17.2	13.4	13.06
7/23/2013 3:20	13.18	12.59	14.32	12.33	13.47	12.57	14.65	12.81	17.16	13.4	13.04
7/23/2013 3:30	13.18	12.59	14.32	12.33	13.47	12.57	14.65	12.81	17.22	13.4	13.05
7/23/2013 3:40	13.18	12.59	14.32	12.33	13.47	12.57	14.65	12.81	17.22	13.4	13.07
7/23/2013 3:50	13.18	12.6	14.32	12.33	13.47	12.57	14.65	12.81	17.24	13.4	13.04
7/23/2013 4:00	13.18	12.6	14.32	12.33	13.47	12.57	14.66	12.81	17.21	13.4	13
7/23/2013 4:10	13.18	12.6	14.32	12.33	13.47	12.57	14.65	12.81	17.21	13.4	12.99
7/23/2013 4:20	13.18	12.61	14.32	12.32	13.47	12.57	14.66	12.82	17.21	13.4	12.98
7/23/2013 4:30	13.18	12.61	14.32	12.32	13.47	12.57	14.66	12.81	17.22	13.4	12.98
7/23/2013 4:40	13.18	12.61	14.32	12.31	13.47	12.57	14.65	12.82	17.2	13.4	12.97
7/23/2013 4:50	13.18	12.61	14.32	12.31	13.47	12.57	14.66	12.81	17.21	13.4	12.97
7/23/2013 5:00	13.18	12.61	14.32	12.31	13.47	12.57	14.66	12.82	17.22	13.4	12.96
7/23/2013 5:10	13.18	12.61	14.32	12.31	13.47	12.57	14.66	12.81	17.22	13.4	12.98
7/23/2013 5:20	13.18	12.61	14.32	12.31	13.47	12.57	14.66	12.81	17.22	13.4	12.96
7/23/2013 5:30	13.18	12.61	14.32	12.31	13.47	12.57	14.66	12.81	17.22	13.4	12.95
7/23/2013 5:40	13.18	12.61	14.32	12.31	13.47	12.57	14.66	12.81	17.23	13.4	12.96
7/23/2013 5:50	13.19	12.6	14.32	12.31	13.47	12.57	14.66	12.81	17.2	13.4	12.96
7/23/2013 6:00	13.19	12.6	14.32	12.32	13.47	12.57	14.66	12.82	17.22	13.4	12.96
7/23/2013 6:10	13.19	12.6	14.32	12.31	13.47	12.57	14.66	12.81	17.21	13.4	12.94
7/23/2013 6:20	13.19	12.59	14.32	12.31	13.47	12.57	14.66	12.81	17.23	13.4	12.95
7/23/2013 6:30	13.19	12.59	14.32	12.31	13.47	12.57	14.66	12.81	17.23	13.4	12.97
7/23/2013 6:40	13.19	12.58	14.32	12.31	13.47	12.57	14.66	12.81	17.22	13.4	12.96
7/23/2013 6:50	13.19	12.58	14.32	12.31	13.47	12.57	14.67	12.8	17.23	13.4	12.98
7/23/2013 7:00	13.19	12.57	14.32	12.3	13.47	12.57	14.67	12.8	17.21	13.4	12.99
7/23/2013 7:10	13.19	12.56	14.32	12.3	13.47	12.57	14.67	12.8	17.24	13.4	13.08

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/23/2013 7:20	13.19	12.55	14.32	12.29	13.47	12.57	14.67	12.8	17.24	13.4	13.04
7/23/2013 7:30	13.19	12.55	14.32	12.29	13.47	12.57	14.67	12.8	17.22	13.4	13.05
7/23/2013 7:40	13.19	12.54	14.33	12.29	13.47	12.57	14.67	12.79	17.24	13.4	13.05
7/23/2013 7:50	13.19	12.53	14.33	12.29	13.47	12.57	14.67	12.79	17.23	13.4	13.08
7/23/2013 8:00	13.19	12.52	14.33	12.29	13.47	12.57	14.67	12.79	17.22	13.4	13.08
7/23/2013 8:10	13.19	12.51	14.32	12.28	13.47	12.57	14.67	12.78	17.27	13.4	13.2
7/23/2013 8:20	13.19	12.48	14.33	12.28	13.48	12.57	14.67	12.78	17.23	13.4	13.26
7/23/2013 8:30	13.19	12.48	14.33	12.27	13.48	12.57	14.67	12.78	17.25	13.4	13.39
7/23/2013 8:40	13.19	12.49	14.33	12.27	13.47	12.57	14.67	12.77	17.24	13.4	13.35
7/23/2013 8:50	13.19	12.47	14.33	12.26	13.47	12.57	14.67	12.77	17.25	13.4	13.34
7/23/2013 9:00	13.19	12.46	14.33	12.25	13.48	12.57	14.67	12.77	17.26	13.4	13.95
7/23/2013 9:10	13.19	12.43	14.33	12.25	13.48	12.57	14.67	12.77	17.28	13.4	13.7
7/23/2013 9:20	13.19	12.42	14.33	12.24	13.48	12.57	14.67	12.77	17.27	13.4	14.54
7/23/2013 9:30	13.19	12.42	14.33	12.23	13.48	12.57	14.67	12.77	17.24	13.4	14.48
7/23/2013 9:40	13.19	12.42	14.32	12.23	13.48	12.57	14.67	12.77	17.26	13.4	14.55
7/23/2013 9:50	13.19	12.43	14.33	12.22	13.48	12.57	14.67	12.76	17.24	13.4	14.7
7/23/2013 10:00	13.19	12.43	14.33	12.22	13.48	12.58	14.67	12.76	17.25	13.4	14.79
7/23/2013 10:10	13.2	12.43	14.33	12.22	13.48	12.58	14.67	12.76	17.25	13.4	15.16
7/23/2013 10:20	13.2	12.43	14.33	12.22	13.48	12.58	14.67	12.76	17.25	13.4	15.1
7/23/2013 10:30	13.2	12.43	14.33	12.22	13.48	12.58	14.67	12.76	17.26	13.4	15.26
7/23/2013 10:40	13.2	12.43	14.33	12.23	13.48	12.58	14.67	12.76	17.27	13.4	15.36
7/23/2013 10:50	13.2	12.44	14.33	12.23	13.48	12.58	14.67	12.76	17.28	13.4	15.67
7/23/2013 11:00	13.2	12.44	14.33	12.23	13.48	12.58	14.67	12.76	17.26	13.4	15.43
7/23/2013 11:10	13.2	12.44	14.33	12.24	13.48	12.57	14.67	12.76	17.26	13.4	15.75
7/23/2013 11:20	13.2	12.45	14.33	12.24	13.48	12.57	14.67	12.76	17.27	13.4	15.67
7/23/2013 11:30	13.2	12.45	14.33	12.25	13.48	12.58	14.67	12.76	17.28	13.4	15.73
7/23/2013 11:40	13.2	12.45	14.33	12.25	13.48	12.57	14.67	12.76	17.29	13.4	15.67
7/23/2013 11:50	13.2	12.46	14.33	12.25	13.48	12.57	14.67	12.76	17.28	13.4	15.9
7/23/2013 12:00	13.2	12.46	14.33	12.26	13.49	12.57	14.67	12.76	17.24	13.4	15.83
7/23/2013 12:10	13.2	12.46	14.33	12.26	13.48	12.57	14.67	12.76	17.27	13.4	15.57
7/23/2013 12:20	13.2	12.47	14.33	12.26	13.48	12.57	14.67	12.76	17.28	13.4	15.44
7/23/2013 12:30	13.2	12.47	14.33	12.27	13.48	12.58	14.68	12.76	17.23	13.4	15.4
7/23/2013 12:40	13.2	12.47	14.33	12.27	13.49	12.57	14.68	12.76	17.26	13.4	14.57
7/23/2013 12:50	13.2	12.47	14.33	12.27	13.49	12.57	14.68	12.76	17.27	13.4	14.65
7/23/2013 13:00	13.2	12.48	14.33	12.28	13.49	12.57	14.68	12.76	17.28	13.4	14.69
7/23/2013 13:10	13.2	12.49	14.33	12.28	13.49	12.57	14.68	12.76	17.29	13.4	14.59
7/23/2013 13:20	13.2	12.49	14.33	12.28	13.49	12.57	14.68	12.76	17.28	13.4	14.6
7/23/2013 13:30	13.2	12.5	14.33	12.28	13.49	12.57	14.68	12.76	17.27	13.4	14.6
7/23/2013 13:40	13.2	12.5	14.33	12.29	13.49	12.57	14.68	12.76	17.26	13.4	14.41

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/23/2013 13:50	13.2	12.51	14.33	12.3	13.49	12.57	14.68	12.76	17.27	13.4	14.35
7/23/2013 14:00	13.2	12.51	14.34	12.31	13.49	12.58	14.68	12.76	17.21	13.4	14.18
7/23/2013 14:10	13.2	12.52	14.33	12.32	13.49	12.57	14.68	12.76	17.24	13.4	14.25
7/23/2013 14:20	13.2	12.53	14.34	12.32	13.49	12.57	14.68	12.76	17.25	13.4	14.02
7/23/2013 14:30	13.21	12.53	14.34	12.33	13.49	12.57	14.68	12.77	17.26	13.4	13.86
7/23/2013 14:40	13.21	12.54	14.34	12.33	13.49	12.57	14.68	12.77	17.28	13.4	13.73
7/23/2013 14:50	13.21	12.55	14.34	12.34	13.49	12.57	14.68	12.77	17.27	13.4	13.69
7/23/2013 15:00	13.21	12.56	14.34	12.34	13.49	12.57	14.69	12.78	17.27	13.4	13.57
7/23/2013 15:10	13.2	12.56	14.34	12.34	13.49	12.57	14.69	12.78	17.3	13.4	13.57
7/23/2013 15:20	13.21	12.57	14.34	12.35	13.49	12.57	14.69	12.78	17.3	13.4	13.44
7/23/2013 15:30	13.2	12.58	14.34	12.35	13.5	12.57	14.69	12.79	17.31	13.4	13.36
7/23/2013 15:40	13.21	12.58	14.34	12.35	13.5	12.57	14.69	12.79	17.28	13.4	13.26
7/23/2013 15:50	13.21	12.59	14.34	12.36	13.5	12.57	14.69	12.79	17.29	13.4	13.24
7/23/2013 16:00	13.21	12.59	14.34	12.36	13.5	12.57	14.69	12.79	17.3	13.4	13.17
7/23/2013 16:10	13.21	12.6	14.35	12.36	13.5	12.57	14.69	12.79	17.29	13.4	13.19
7/23/2013 16:20	13.21	12.6	14.35	12.36	13.5	12.56	14.69	12.79	17.29	13.4	13.14
7/23/2013 16:30	13.21	12.6	14.35	12.36	13.5	12.57	14.69	12.79	17.28	13.4	13.08
7/23/2013 16:40	13.21	12.6	14.35	12.37	13.5	12.57	14.69	12.79	17.27	13.4	13.08
7/23/2013 16:50	13.21	12.6	14.35	12.37	13.5	12.56	14.69	12.79	17.26	13.4	12.99
7/23/2013 17:00	13.21	12.6	14.35	12.37	13.5	12.57	14.69	12.8	17.25	13.4	12.96
7/23/2013 17:10	13.21	12.6	14.35	12.37	13.5	12.57	14.69	12.8	17.22	13.4	12.95
7/23/2013 17:20	13.21	12.6	14.35	12.37	13.5	12.57	14.69	12.8	17.23	13.4	12.96
7/23/2013 17:30	13.21	12.6	14.35	12.37	13.5	12.57	14.69	12.8	17.25	13.4	12.91
7/23/2013 17:40	13.21	12.6	14.35	12.37	13.5	12.57	14.69	12.8	17.27	13.4	12.9
7/23/2013 17:50	13.21	12.6	14.35	12.37	13.5	12.57	14.69	12.8	17.26	13.4	12.88
7/23/2013 18:00	13.21	12.6	14.35	12.37	13.5	12.57	14.69	12.8	17.26	13.4	12.85
7/23/2013 18:10	13.21	12.6	14.35	12.36	13.5	12.56	14.7	12.81	17.28	13.4	12.88
7/23/2013 18:20	13.21	12.6	14.35	12.36	13.5	12.56	14.69	12.8	17.27	13.4	12.85
7/23/2013 18:30	13.21	12.6	14.35	12.36	13.51	12.57	14.69	12.81	17.27	13.4	12.85
7/23/2013 18:40	13.21	12.6	14.35	12.35	13.5	12.57	14.7	12.81	17.22	13.4	12.84
7/23/2013 18:50	13.21	12.6	14.35	12.35	13.51	12.57	14.7	12.81	17.2	13.4	12.85
7/23/2013 19:00	13.22	12.6	14.35	12.34	13.5	12.56	14.7	12.81	17.27	13.4	12.84
7/23/2013 19:10	13.21	12.6	14.35	12.34	13.51	12.57	14.7	12.81	17.27	13.4	12.85
7/23/2013 19:20	13.22	12.6	14.36	12.34	13.5	12.56	14.7	12.81	17.2	13.4	12.85
7/23/2013 19:30	13.22	12.6	14.35	12.33	13.5	12.57	14.7	12.81	17.2	13.4	12.85
7/23/2013 19:40	13.22	12.6	14.36	12.33	13.51	12.56	14.7	12.81	17.24	13.4	12.86
7/23/2013 19:50	13.22	12.6	14.36	12.32	13.51	12.56	14.7	12.81	17.24	13.4	12.91
7/23/2013 20:00	13.22	12.6	14.36	12.32	13.51	12.57	14.7	12.81	17.25	13.4	12.89
7/23/2013 20:10	13.22	12.6	14.36	12.32	13.51	12.56	14.7	12.81	17.24	13.4	12.86

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/23/2013 20:20	13.22	12.6	14.36	12.32	13.51	12.56	14.7	12.81	17.21	13.4	13.31
7/23/2013 20:30	13.22	12.6	14.35	12.32	13.51	12.56	14.7	12.81	17.21	13.4	13
7/23/2013 20:40	13.21	12.59	14.36	12.32	13.51	12.57	14.7	12.81	17.25	13.4	13.03
7/23/2013 20:50	13.22	12.59	14.36	12.32	13.51	12.57	14.71	12.81	17.23	13.4	12.99
7/23/2013 21:00	13.22	12.59	14.36	12.32	13.51	12.57	14.71	12.81	17.26	13.4	13.08
7/23/2013 21:10	13.22	12.59	14.36	12.32	13.51	12.57	14.71	12.81	17.21	13.4	13.03
7/23/2013 21:20	13.22	12.58	14.36	12.32	13.51	12.57	14.71	12.81	17.25	13.4	12.98
7/23/2013 21:30	13.22	12.58	14.36	12.31	13.51	12.56	14.71	12.8	17.26	13.4	13.06
7/23/2013 21:40	13.22	12.57	14.36	12.31	13.51	12.56	14.71	12.8	17.26	13.4	13.07
7/23/2013 21:50	13.22	12.57	14.36	12.31	13.51	12.56	14.71	12.8	17.24	13.4	13.07
7/23/2013 22:00	13.22	12.55	14.36	12.31	13.51	12.57	14.71	12.8	17.23	13.4	13.07
7/23/2013 22:10	13.22	12.5	14.36	12.3	13.51	12.56	14.71	12.8	17.24	13.4	13.09
7/23/2013 22:20	13.23	12.46	14.36	12.3	13.51	12.56	14.71	12.8	17.2	13.4	13.17
7/23/2013 22:30	13.22	12.46	14.36	12.3	13.51	12.56	14.71	12.8	17.18	13.4	13.28
7/23/2013 22:40	13.22	12.46	14.36	12.3	13.51	12.57	14.71	12.79	17.22	13.4	13.3
7/23/2013 22:50	13.22	12.47	14.36	12.3	13.51	12.57	14.71	12.79	17.22	13.4	13.02
7/23/2013 23:00	13.22	12.48	14.36	12.3	13.51	12.57	14.71	12.79	17.23	13.4	13.19
7/23/2013 23:10	13.22	12.48	14.36	12.29	13.51	12.57	14.71	12.79	17.22	13.4	13.24
7/23/2013 23:20	13.22	12.49	14.36	12.29	13.51	12.57	14.71	12.78	17.17	13.4	13.42
7/23/2013 23:30	13.23	12.49	14.36	12.29	13.51	12.57	14.71	12.78	17.21	13.4	13.4
7/23/2013 23:40	13.22	12.5	14.36	12.29	13.51	12.57	14.71	12.78	17.2	13.4	13.35
7/23/2013 23:50	13.23	12.5	14.36	12.29	13.51	12.57	14.71	12.78	17.24	13.4	13.38
7/24/2013 0:00	13.23	12.5	14.36	12.29	13.51	12.57	14.71	12.78	17.25	13.4	13.33
7/24/2013 0:10	13.23	12.51	14.36	12.29	13.51	12.57	14.71	12.78	17.26	13.4	13.35
7/24/2013 0:20	13.23	12.51	14.36	12.29	13.51	12.57	14.71	12.78	17.26	13.4	13.46
7/24/2013 0:30	13.23	12.52	14.36	12.29	13.51	12.57	14.71	12.78	17.25	13.4	13.37
7/24/2013 0:40	13.23	12.51	14.36	12.29	13.51	12.57	14.71	12.78	17.24	13.4	13.34
7/24/2013 0:50	13.23	12.52	14.36	12.3	13.51	12.57	14.71	12.78	17.22	13.4	13.15
7/24/2013 1:00	13.23	12.52	14.36	12.3	13.51	12.57	14.71	12.78	17.25	13.4	13.23
7/24/2013 1:10	13.23	12.52	14.36	12.3	13.51	12.57	14.71	12.78	17.17	13.4	13.24
7/24/2013 1:20	13.23	12.52	14.36	12.3	13.51	12.57	14.71	12.78	17.17	13.4	13.28
7/24/2013 1:30	13.23	12.53	14.36	12.3	13.51	12.57	14.72	12.78	17.21	13.4	13.32
7/24/2013 1:40	13.23	12.53	14.36	12.3	13.51	12.57	14.72	12.78	17.2	13.4	13.43
7/24/2013 1:50	13.23	12.53	14.36	12.31	13.51	12.57	14.72	12.78	17.23	13.4	13.47
7/24/2013 2:00	13.23	12.53	14.36	12.31	13.51	12.57	14.72	12.78	17.25	13.4	13.46
7/24/2013 2:10	13.23	12.54	14.36	12.31	13.51	12.57	14.72	12.78	17.25	13.4	13.31
7/24/2013 2:20	13.23	12.54	14.36	12.31	13.51	12.57	14.72	12.78	17.25	13.4	13.23
7/24/2013 2:30	13.23	12.54	14.37	12.31	13.51	12.57	14.72	12.78	17.27	13.4	13.29
7/24/2013 2:40	13.23	12.54	14.37	12.32	13.51	12.57	14.72	12.79	17.29	13.4	13.3

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/24/2013 2:50	13.23	12.55	14.37	12.32	13.51	12.57	14.72	12.79	17.29	13.4	13.26
7/24/2013 3:00	13.23	12.55	14.37	12.32	13.52	12.57	14.72	12.79	17.28	13.4	13.24
7/24/2013 3:10	13.23	12.56	14.37	12.32	13.51	12.57	14.73	12.79	17.3	13.4	13.3
7/24/2013 3:20	13.23	12.56	14.37	12.32	13.51	12.57	14.73	12.8	17.31	13.4	13.21
7/24/2013 3:30	13.23	12.57	14.37	12.33	13.51	12.57	14.73	12.8	17.31	13.4	13.17
7/24/2013 3:40	13.23	12.58	14.37	12.33	13.52	12.57	14.73	12.8	17.28	13.4	13.13
7/24/2013 3:50	13.23	12.58	14.37	12.33	13.52	12.56	14.73	12.8	17.3	13.4	13.1
7/24/2013 4:00	13.24	12.59	14.37	12.33	13.52	12.57	14.73	12.8	17.3	13.4	13.07
7/24/2013 4:10	13.24	12.59	14.37	12.33	13.52	12.56	14.73	12.81	17.27	13.4	13
7/24/2013 4:20	13.24	12.59	14.37	12.33	13.52	12.57	14.73	12.81	17.29	13.4	12.98
7/24/2013 4:30	13.23	12.59	14.37	12.33	13.52	12.57	14.73	12.81	17.28	13.4	12.98
7/24/2013 4:40	13.23	12.6	14.37	12.33	13.52	12.56	14.73	12.81	17.27	13.4	12.96
7/24/2013 4:50	13.24	12.6	14.37	12.33	13.52	12.57	14.73	12.81	17.26	13.4	12.92
7/24/2013 5:00	13.23	12.6	14.37	12.33	13.52	12.57	14.73	12.81	17.3	13.4	12.93
7/24/2013 5:10	13.23	12.6	14.37	12.33	13.52	12.57	14.73	12.81	17.29	13.4	12.87
7/24/2013 5:20	13.23	12.6	14.37	12.33	13.52	12.56	14.73	12.81	17.25	13.4	12.87
7/24/2013 5:30	13.23	12.6	14.37	12.33	13.52	12.56	14.73	12.81	17.29	13.4	12.88
7/24/2013 5:40	13.23	12.6	14.37	12.33	13.52	12.56	14.73	12.81	17.3	13.4	12.86
7/24/2013 5:50	13.24	12.6	14.37	12.33	13.52	12.57	14.73	12.81	17.29	13.4	12.93
7/24/2013 6:00	13.24	12.6	14.38	12.33	13.52	12.57	14.73	12.81	17.27	13.4	12.92
7/24/2013 6:10	13.24	12.6	14.38	12.32	13.52	12.57	14.73	12.81	17.31	13.4	13.08
7/24/2013 6:20	13.24	12.6	14.38	12.32	13.52	12.56	14.73	12.81	17.32	13.4	12.99
7/24/2013 6:30	13.24	12.6	14.37	12.32	13.52	12.57	14.74	12.81	17.32	13.4	13.02
7/24/2013 6:40	13.24	12.6	14.37	12.32	13.52	12.57	14.74	12.81	17.32	13.4	12.91
7/24/2013 6:50	13.24	12.6	14.38	12.32	13.52	12.57	14.74	12.81	17.31	13.4	12.91
7/24/2013 7:00	13.24	12.6	14.37	12.32	13.52	12.57	14.74	12.81	17.31	13.4	12.88
7/24/2013 7:10	13.24	12.59	14.37	12.32	13.52	12.57	14.74	12.81	17.33	13.4	12.8
7/24/2013 7:20	13.24	12.59	14.38	12.32	13.52	12.57	14.74	12.81	17.33	13.4	12.82
7/24/2013 7:30	13.24	12.58	14.38	12.32	13.52	12.57	14.74	12.81	17.26	13.4	12.8
7/24/2013 7:40	13.24	12.58	14.38	12.31	13.52	12.57	14.74	12.81	17.29	13.4	12.81
7/24/2013 7:50	13.24	12.57	14.38	12.31	13.52	12.56	14.74	12.8	17.29	13.4	12.88
7/24/2013 8:00	13.24	12.56	14.38	12.31	13.52	12.57	14.74	12.8	17.27	13.4	13.01
7/24/2013 8:10	13.24	12.56	14.38	12.31	13.52	12.57	14.74	12.8	17.31	13.4	13.05
7/24/2013 8:20	13.24	12.55	14.38	12.3	13.52	12.56	14.74	12.8	17.31	13.4	13.16
7/24/2013 8:30	13.24	12.54	14.38	12.3	13.52	12.57	14.74	12.8	17.31	13.4	13.15
7/24/2013 8:40	13.24	12.53	14.38	12.3	13.52	12.57	14.74	12.79	17.33	13.4	13.2
7/24/2013 8:50	13.24	12.53	14.38	12.29	13.52	12.57	14.74	12.79	17.34	13.4	13.16
7/24/2013 9:00	13.24	12.51	14.38	12.29	13.52	12.57	14.74	12.79	17.3	13.4	13.05
7/24/2013 9:10	13.24	12.5	14.38	12.28	13.52	12.57	14.74	12.78	17.3	13.4	13.31

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/24/2013 9:20	13.24	12.49	14.38	12.28	13.52	12.57	14.74	12.78	17.3	13.4	13.45
7/24/2013 9:30	13.24	12.49	14.38	12.28	13.52	12.57	14.74	12.78	17.33	13.4	13.35
7/24/2013 9:40	13.24	12.48	14.38	12.27	13.52	12.57	14.74	12.78	17.34	13.4	13.65
7/24/2013 9:50	13.25	12.47	14.38	12.26	13.52	12.57	14.74	12.78	17.35	13.4	13.86
7/24/2013 10:00	13.25	12.46	14.38	12.26	13.52	12.57	14.74	12.77	17.3	13.4	13.89
7/24/2013 10:10	13.24	12.46	14.38	12.25	13.52	12.57	14.74	12.77	17.36	13.4	14.15
7/24/2013 10:20	13.25	12.45	14.38	12.24	13.53	12.57	14.74	12.77	17.36	13.4	14.39
7/24/2013 10:30	13.24	12.44	14.38	12.24	13.53	12.57	14.74	12.77	17.32	13.4	14.44
7/24/2013 10:40	13.24	12.43	14.38	12.23	13.53	12.57	14.74	12.77	17.33	13.4	14.1
7/24/2013 10:50	13.25	12.43	14.38	12.23	13.53	12.57	14.74	12.77	17.33	13.4	14.64
7/24/2013 11:00	13.25	12.43	14.38	12.22	13.53	12.57	14.75	12.77	17.35	13.4	14.63
7/24/2013 11:10	13.25	12.43	14.38	12.22	13.53	12.57	14.75	12.76	17.35	13.4	14.83
7/24/2013 11:20	13.24	12.43	14.38	12.22	13.53	12.57	14.75	12.77	17.32	13.4	14.77
7/24/2013 11:30	13.25	12.43	14.38	12.23	13.53	12.57	14.75	12.76	17.34	13.4	14.81
7/24/2013 11:40	13.25	12.44	14.38	12.23	13.53	12.57	14.75	12.77	17.36	13.4	14.64
7/24/2013 11:50	13.25	12.44	14.38	12.24	13.53	12.57	14.75	12.76	17.37	13.4	15.41
7/24/2013 12:00	13.25	12.45	14.39	12.24	13.53	12.57	14.75	12.77	17.36	13.4	15.51
7/24/2013 12:10	13.25	12.45	14.38	12.25	13.53	12.57	14.75	12.76	17.37	13.4	15.56
7/24/2013 12:20	13.25	12.45	14.38	12.25	13.53	12.57	14.75	12.76	17.38	13.4	16.02
7/24/2013 12:30	13.25	12.46	14.39	12.25	13.53	12.57	14.75	12.76	17.37	13.4	15.95
7/24/2013 12:40	13.25	12.46	14.39	12.26	13.53	12.57	14.75	12.76	17.37	13.4	16.21
7/24/2013 12:50	13.25	12.46	14.38	12.26	13.53	12.57	14.75	12.76	17.3	13.4	15.32
7/24/2013 13:00	13.25	12.46	14.39	12.27	13.53	12.57	14.75	12.76	17.33	13.4	15.01
7/24/2013 13:10	13.25	12.47	14.39	12.27	13.53	12.57	14.75	12.76	17.36	13.4	14.88
7/24/2013 13:20	13.25	12.47	14.39	12.27	13.53	12.57	14.75	12.76	17.34	13.4	14.48
7/24/2013 13:30	13.25	12.48	14.39	12.27	13.53	12.57	14.75	12.76	17.37	13.4	14.38
7/24/2013 13:40	13.25	12.48	14.39	12.28	13.53	12.57	14.75	12.76	17.38	13.4	14.48
7/24/2013 13:50	13.25	12.49	14.39	12.28	13.53	12.57	14.75	12.76	17.31	13.4	14.62
7/24/2013 14:00	13.25	12.49	14.39	12.28	13.54	12.57	14.75	12.76	17.33	13.4	14.84
7/24/2013 14:10	13.25	12.5	14.39	12.29	13.54	12.57	14.75	12.76	17.38	13.4	14.8
7/24/2013 14:20	13.25	12.51	14.39	12.29	13.53	12.57	14.75	12.76	17.38	13.4	14.3
7/24/2013 14:30	13.25	12.51	14.39	12.3	13.53	12.57	14.75	12.76	17.38	13.4	14.32
7/24/2013 14:40	13.25	12.52	14.39	12.31	13.54	12.57	14.75	12.76	17.37	13.4	14.31
7/24/2013 14:50	13.26	12.52	14.39	12.32	13.54	12.57	14.75	12.77	17.34	13.4	14.32
7/24/2013 15:00	13.26	12.53	14.39	12.32	13.54	12.57	14.75	12.77	17.35	13.4	14
7/24/2013 15:10	13.26	12.54	14.39	12.33	13.54	12.57	14.76	12.77	17.36	13.4	13.88
7/24/2013 15:20	13.26	12.54	14.39	12.33	13.54	12.57	14.76	12.77	17.31	13.4	13.84
7/24/2013 15:30	13.26	12.55	14.39	12.34	13.54	12.57	14.76	12.78	17.36	13.4	13.77
7/24/2013 15:40	13.26	12.56	14.4	12.34	13.54	12.57	14.76	12.78	17.36	13.4	13.76

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/24/2013 15:50	13.26	12.57	14.4	12.34	13.54	12.57	14.76	12.78	17.32	13.4	13.52
7/24/2013 16:00	13.26	12.57	14.4	12.34	13.54	12.57	14.76	12.78	17.32	13.4	13.57
7/24/2013 16:10	13.26	12.58	14.4	12.35	13.54	12.57	14.76	12.79	17.34	13.4	13.49
7/24/2013 16:20	13.26	12.58	14.4	12.35	13.54	12.56	14.76	12.79	17.33	13.4	13.45
7/24/2013 16:30	13.26	12.59	14.4	12.35	13.54	12.56	14.76	12.79	17.34	13.4	13.21
7/24/2013 16:40	13.26	12.59	14.4	12.36	13.54	12.56	14.76	12.79	17.31	13.4	13.25
7/24/2013 16:50	13.26	12.6	14.4	12.36	13.54	12.56	14.76	12.79	17.35	13.4	13.35
7/24/2013 17:00	13.26	12.6	14.4	12.36	13.54	12.57	14.76	12.79	17.32	13.4	13.16
7/24/2013 17:10	13.26	12.6	14.4	12.36	13.54	12.57	14.76	12.79	17.35	13.4	13.13
7/24/2013 17:20	13.26	12.6	14.4	12.37	13.54	12.56	14.76	12.79	17.36	13.4	13.04
7/24/2013 17:30	13.26	12.6	14.4	12.37	13.54	12.56	14.76	12.8	17.36	13.4	13.03
7/24/2013 17:40	13.26	12.6	14.4	12.37	13.54	12.56	14.77	12.8	17.36	13.4	12.97
7/24/2013 17:50	13.26	12.6	14.4	12.37	13.54	12.56	14.76	12.8	17.36	13.4	12.94
7/24/2013 18:00	13.26	12.6	14.4	12.37	13.54	12.56	14.76	12.8	17.36	13.4	12.91
7/24/2013 18:10	13.26	12.6	14.4	12.37	13.54	12.56	14.76	12.8	17.36	13.4	12.86
7/24/2013 18:20	13.26	12.6	14.4	12.37	13.54	12.56	14.76	12.8	17.36	13.4	12.82
7/24/2013 18:30	13.26	12.6	14.4	12.37	13.54	12.56	14.76	12.8	17.36	13.4	12.83
7/24/2013 18:40	13.27	12.6	14.41	12.36	13.55	12.56	14.77	12.81	17.36	13.4	12.81
7/24/2013 18:50	13.27	12.6	14.41	12.36	13.54	12.56	14.77	12.81	17.34	13.4	12.76
7/24/2013 19:00	13.26	12.6	14.41	12.36	13.55	12.56	14.77	12.81	17.34	13.4	12.78
7/24/2013 19:10	13.26	12.6	14.41	12.36	13.55	12.56	14.77	12.81	17.35	13.4	12.77
7/24/2013 19:20	13.27	12.6	14.41	12.35	13.55	12.56	14.77	12.81	17.36	13.4	12.76
7/24/2013 19:30	13.27	12.6	14.41	12.35	13.55	12.56	14.77	12.81	17.36	13.4	12.74
7/24/2013 19:40	13.26	12.6	14.41	12.35	13.55	12.56	14.77	12.81	17.36	13.4	12.74
7/24/2013 19:50	13.27	12.6	14.41	12.34	13.55	12.56	14.77	12.81	17.36	13.4	12.77
7/24/2013 20:00	13.27	12.6	14.41	12.34	13.55	12.56	14.77	12.81	17.36	13.4	12.82
7/24/2013 20:10	13.27	12.6	14.41	12.33	13.55	12.56	14.77	12.81	17.36	13.4	12.91
7/24/2013 20:20	13.27	12.6	14.41	12.33	13.55	12.56	14.77	12.81	17.37	13.4	12.82
7/24/2013 20:30	13.27	12.6	14.41	12.33	13.55	12.56	14.77	12.81	17.37	13.4	12.77
7/24/2013 20:40	13.27	12.6	14.41	12.33	13.55	12.56	14.78	12.81	17.36	13.4	12.76
7/24/2013 20:50	13.27	12.6	14.41	12.32	13.55	12.56	14.77	12.81	17.33	13.4	12.73
7/24/2013 21:00	13.27	12.6	14.41	12.32	13.55	12.56	14.78	12.81	17.34	13.4	12.82
7/24/2013 21:10	13.27	12.6	14.41	12.32	13.55	12.56	14.77	12.81	17.35	13.4	12.91
7/24/2013 21:20	13.27	12.6	14.41	12.32	13.55	12.56	14.78	12.81	17.35	13.4	13.02
7/24/2013 21:30	13.27	12.59	14.41	12.32	13.55	12.56	14.78	12.81	17.32	13.4	13
7/24/2013 21:40	13.27	12.59	14.41	12.32	13.55	12.56	14.78	12.81	17.34	13.4	12.97
7/24/2013 21:50	13.27	12.59	14.41	12.32	13.55	12.56	14.78	12.81	17.35	13.4	12.93
7/24/2013 22:00	13.27	12.58	14.41	12.32	13.55	12.56	14.78	12.8	17.36	13.4	13.04
7/24/2013 22:10	13.27	12.58	14.41	12.32	13.55	12.56	14.78	12.8	17.36	13.4	13

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/24/2013 22:20	13.27	12.57	14.41	12.32	13.55	12.56	14.78	12.8	17.36	13.4	13.03
7/24/2013 22:30	13.27	12.57	14.41	12.31	13.55	12.56	14.78	12.8	17.35	13.4	13.05
7/24/2013 22:40	13.27	12.56	14.41	12.31	13.55	12.56	14.78	12.8	17.34	13.4	13.01
7/24/2013 22:50	13.27	12.54	14.41	12.31	13.55	12.56	14.78	12.8	17.35	13.4	13.13
7/24/2013 23:00	13.27	12.48	14.41	12.31	13.55	12.56	14.78	12.8	17.35	13.4	13.11
7/24/2013 23:10	13.27	12.46	14.41	12.31	13.55	12.56	14.78	12.8	17.36	13.4	13.13
7/24/2013 23:20	13.27	12.46	14.41	12.3	13.55	12.56	14.78	12.79	17.31	13.4	13.19
7/24/2013 23:30	13.27	12.47	14.41	12.3	13.55	12.56	14.78	12.79	17.32	13.4	13.34
7/24/2013 23:40	13.27	12.48	14.41	12.3	13.55	12.56	14.78	12.79	17.34	13.4	13.33
7/24/2013 23:50	13.27	12.49	14.41	12.3	13.55	12.56	14.78	12.78	17.35	13.4	13.29
7/25/2013 0:00	13.27	12.49	14.41	12.3	13.55	12.57	14.78	12.78	17.36	13.4	13.42
7/25/2013 0:10	13.27	12.49	14.41	12.3	13.55	12.56	14.78	12.78	17.36	13.4	13.29
7/25/2013 0:20	13.27	12.5	14.41	12.29	13.55	12.56	14.79	12.78	17.36	13.4	13.44
7/25/2013 0:30	13.28	12.5	14.41	12.29	13.55	12.57	14.78	12.78	17.37	13.4	13.52
7/25/2013 0:40	13.28	12.5	14.41	12.29	13.55	12.57	14.78	12.78	17.34	13.4	13.55
7/25/2013 0:50	13.28	12.48	14.41	12.29	13.55	12.57	14.78	12.78	17.36	13.4	13.44
7/25/2013 1:00	13.28	12.48	14.41	12.29	13.55	12.57	14.78	12.78	17.34	13.4	13.4
7/25/2013 1:10	13.28	12.48	14.41	12.29	13.55	12.57	14.78	12.78	17.31	13.4	13.3
7/25/2013 1:20	13.28	12.48	14.41	12.29	13.55	12.57	14.78	12.78	17.37	13.4	13.28
7/25/2013 1:30	13.28	12.48	14.42	12.29	13.55	12.57	14.78	12.77	17.36	13.4	13.31
7/25/2013 1:40	13.28	12.49	14.42	12.29	13.55	12.57	14.78	12.78	17.35	13.4	13.36
7/25/2013 1:50	13.28	12.49	14.42	12.3	13.55	12.56	14.79	12.77	17.34	13.4	13.32
7/25/2013 2:00	13.28	12.5	14.42	12.3	13.55	12.57	14.79	12.78	17.36	13.4	13.29
7/25/2013 2:10	13.28	12.5	14.42	12.3	13.55	12.57	14.79	12.77	17.37	13.4	13.29
7/25/2013 2:20	13.28	12.5	14.42	12.3	13.55	12.57	14.79	12.77	17.37	13.4	13.3
7/25/2013 2:30	13.28	12.51	14.42	12.3	13.56	12.57	14.79	12.77	17.37	13.4	13.35
7/25/2013 2:40	13.28	12.51	14.42	12.3	13.56	12.56	14.79	12.78	17.38	13.4	13.44
7/25/2013 2:50	13.28	12.52	14.42	12.31	13.56	12.56	14.79	12.78	17.39	13.4	13.46
7/25/2013 3:00	13.28	12.52	14.42	12.31	13.56	12.57	14.79	12.78	17.39	13.4	13.37
7/25/2013 3:10	13.28	12.53	14.42	12.31	13.56	12.56	14.79	12.78	17.38	13.4	13.29
7/25/2013 3:20	13.28	12.53	14.42	12.31	13.56	12.56	14.79	12.78	17.39	13.4	13.29
7/25/2013 3:30	13.28	12.53	14.42	12.32	13.56	12.56	14.8	12.78	17.39	13.4	13.25
7/25/2013 3:40	13.28	12.54	14.42	12.32	13.56	12.56	14.79	12.79	17.35	13.4	13.24
7/25/2013 3:50	13.28	12.55	14.42	12.32	13.56	12.57	14.79	12.79	17.39	13.4	13.28
7/25/2013 4:00	13.28	12.55	14.42	12.32	13.56	12.56	14.8	12.79	17.35	13.4	13.62
7/25/2013 4:10	13.28	12.56	14.42	12.32	13.56	12.56	14.79	12.79	17.39	13.4	13.19
7/25/2013 4:20	13.28	12.56	14.42	12.33	13.56	12.56	14.79	12.79	17.33	13.4	13.15
7/25/2013 4:30	13.28	12.57	14.42	12.33	13.56	12.56	14.79	12.8	17.36	13.4	13.18
7/25/2013 4:40	13.28	12.58	14.42	12.33	13.56	12.56	14.79	12.8	17.35	13.4	13.17

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/25/2013 4:50	13.28	12.58	14.42	12.33	13.56	12.56	14.79	12.8	17.37	13.4	13.05
7/25/2013 5:00	13.28	12.58	14.42	12.33	13.56	12.56	14.79	12.8	17.36	13.4	13
7/25/2013 5:10	13.28	12.59	14.42	12.33	13.56	12.56	14.8	12.8	17.36	13.4	13.03
7/25/2013 5:20	13.28	12.59	14.42	12.33	13.56	12.56	14.79	12.81	17.38	13.4	13.03
7/25/2013 5:30	13.28	12.59	14.42	12.33	13.56	12.56	14.8	12.81	17.37	13.4	12.96
7/25/2013 5:40	13.28	12.59	14.42	12.33	13.56	12.56	14.8	12.81	17.37	13.4	12.95
7/25/2013 5:50	13.28	12.6	14.42	12.33	13.56	12.56	14.8	12.81	17.36	13.4	12.94
7/25/2013 6:00	13.28	12.6	14.42	12.33	13.56	12.56	14.8	12.81	17.37	13.4	12.84
7/25/2013 6:10	13.29	12.6	14.42	12.34	13.56	12.56	14.81	12.81	17.38	13.4	12.9
7/25/2013 6:20	13.29	12.6	14.42	12.33	13.56	12.56	14.81	12.81	17.32	13.4	12.84
7/25/2013 6:30	13.29	12.6	14.42	12.33	13.56	12.56	14.81	12.81	17.35	13.4	12.81
7/25/2013 6:40	13.29	12.6	14.42	12.33	13.56	12.56	14.81	12.81	17.37	13.4	12.8
7/25/2013 6:50	13.29	12.6	14.42	12.33	13.56	12.56	14.81	12.81	17.38	13.4	12.81
7/25/2013 7:00	13.29	12.6	14.42	12.33	13.56	12.56	14.8	12.81	17.37	13.4	12.8
7/25/2013 7:10	13.29	12.6	14.42	12.33	13.56	12.56	14.8	12.81	17.39	13.4	12.79
7/25/2013 7:20	13.29	12.6	14.42	12.33	13.57	12.56	14.8	12.81	17.39	13.4	12.79
7/25/2013 7:30	13.29	12.6	14.42	12.33	13.56	12.56	14.8	12.81	17.39	13.4	12.79
7/25/2013 7:40	13.29	12.59	14.42	12.33	13.56	12.56	14.8	12.81	17.33	13.4	12.79
7/25/2013 7:50	13.29	12.59	14.42	12.33	13.56	12.56	14.81	12.81	17.41	13.4	12.77
7/25/2013 8:00	13.29	12.59	14.43	12.32	13.57	12.56	14.8	12.81	17.38	13.4	12.73
7/25/2013 8:10	13.29	12.58	14.43	12.32	13.56	12.56	14.8	12.81	17.4	13.4	12.74
7/25/2013 8:20	13.29	12.58	14.43	12.32	13.57	12.56	14.8	12.81	17.35	13.4	12.71
7/25/2013 8:30	13.29	12.57	14.43	12.32	13.57	12.56	14.8	12.81	17.38	13.4	12.74
7/25/2013 8:40	13.29	12.57	14.42	12.32	13.57	12.56	14.81	12.8	17.4	13.4	12.77
7/25/2013 8:50	13.29	12.56	14.43	12.32	13.57	12.56	14.81	12.8	17.42	13.4	12.81
7/25/2013 9:00	13.29	12.56	14.43	12.32	13.57	12.56	14.81	12.8	17.43	13.4	12.8
7/25/2013 9:10	13.29	12.55	14.43	12.31	13.57	12.56	14.81	12.8	17.43	13.4	12.99
7/25/2013 9:20	13.29	12.55	14.43	12.31	13.57	12.56	14.81	12.8	17.39	13.4	12.94
7/25/2013 9:30	13.29	12.54	14.43	12.31	13.57	12.56	14.81	12.79	17.42	13.4	13.02
7/25/2013 9:40	13.29	12.53	14.43	12.3	13.57	12.56	14.81	12.79	17.43	13.4	12.92
7/25/2013 9:50	13.29	12.52	14.43	12.3	13.57	12.56	14.81	12.79	17.43	13.4	12.92
7/25/2013 10:00	13.29	12.52	14.43	12.3	13.57	12.57	14.81	12.78	17.41	13.4	12.96
7/25/2013 10:10	13.29	12.51	14.43	12.29	13.57	12.56	14.81	12.78	17.42	13.4	13.14
7/25/2013 10:20	13.29	12.5	14.43	12.29	13.57	12.57	14.81	12.78	17.43	13.4	13.18
7/25/2013 10:30	13.3	12.49	14.44	12.29	13.57	12.57	14.81	12.78	17.44	13.4	13.36
7/25/2013 10:40	13.3	12.48	14.43	12.28	13.57	12.57	14.81	12.78	17.44	13.4	13.51
7/25/2013 10:50	13.29	12.48	14.43	12.27	13.57	12.57	14.81	12.78	17.44	13.4	13.54
7/25/2013 11:00	13.29	12.47	14.43	12.27	13.57	12.57	14.81	12.77	17.44	13.4	13.58
7/25/2013 11:10	13.3	12.47	14.43	12.26	13.57	12.57	14.81	12.77	17.43	13.4	13.92

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/25/2013 11:20	13.3	12.46	14.43	12.26	13.57	12.57	14.81	12.77	17.38	13.4	13.85
7/25/2013 11:30	13.3	12.46	14.43	12.25	13.57	12.57	14.81	12.77	17.45	13.4	14.36
7/25/2013 11:40	13.3	12.45	14.43	12.25	13.57	12.57	14.81	12.77	17.44	13.4	14.61
7/25/2013 11:50	13.3	12.44	14.43	12.24	13.57	12.57	14.81	12.77	17.43	13.4	14.46
7/25/2013 12:00	13.3	12.44	14.43	12.24	13.57	12.57	14.81	12.77	17.43	13.4	14.49
7/25/2013 12:10	13.3	12.44	14.43	12.24	13.57	12.57	14.81	12.77	17.42	13.4	14.45
7/25/2013 12:20	13.3	12.45	14.43	12.24	13.57	12.57	14.81	12.77	17.46	13.4	14.39
7/25/2013 12:30	13.3	12.45	14.43	12.24	13.57	12.57	14.82	12.77	17.46	13.4	14.17
7/25/2013 12:40	13.3	12.45	14.44	12.24	13.57	12.57	14.81	12.77	17.45	13.4	14.46
7/25/2013 12:50	13.3	12.45	14.43	12.24	13.57	12.57	14.82	12.77	17.42	13.4	16.19
7/25/2013 13:00	13.3	12.45	14.44	12.25	13.57	12.57	14.81	12.76	17.48	13.4	15.67
7/25/2013 13:10	13.3	12.46	14.44	12.25	13.57	12.57	14.81	12.77	17.48	13.4	15.18
7/25/2013 13:20	13.3	12.46	14.44	12.25	13.58	12.57	14.82	12.77	17.48	13.4	14.79
7/25/2013 13:30	13.3	12.46	14.44	12.26	13.58	12.57	14.82	12.77	17.47	13.4	14.44
7/25/2013 13:40	13.3	12.47	14.44	12.26	13.58	12.57	14.82	12.76	17.48	13.4	14.6
7/25/2013 13:50	13.3	12.47	14.44	12.26	13.58	12.57	14.82	12.77	17.4	13.4	14.39
7/25/2013 14:00	13.3	12.48	14.44	12.27	13.58	12.57	14.82	12.77	17.43	13.4	14.25
7/25/2013 14:10	13.3	12.48	14.44	12.27	13.58	12.57	14.82	12.76	17.41	13.4	13.95
7/25/2013 14:20	13.3	12.49	14.44	12.28	13.58	12.57	14.82	12.76	17.4	13.4	14.21
7/25/2013 14:30	13.3	12.5	14.44	12.28	13.58	12.57	14.82	12.77	17.44	13.4	14.02
7/25/2013 14:40	13.3	12.5	14.44	12.29	13.58	12.57	14.82	12.76	17.4	13.4	14.33
7/25/2013 14:50	13.3	12.5	14.44	12.29	13.58	12.57	14.82	12.77	17.42	13.4	14.36
7/25/2013 15:00	13.31	12.51	14.44	12.3	13.58	12.57	14.82	12.77	17.44	13.4	14.16
7/25/2013 15:10	13.31	12.52	14.44	12.3	13.58	12.57	14.82	12.77	17.41	13.4	14.07
7/25/2013 15:20	13.31	12.52	14.44	12.31	13.58	12.57	14.82	12.77	17.45	13.4	14.39
7/25/2013 15:30	13.31	12.53	14.44	12.32	13.58	12.57	14.82	12.77	17.44	13.4	13.86
7/25/2013 15:40	13.31	12.53	14.45	12.32	13.58	12.57	14.82	12.77	17.45	13.4	13.88
7/25/2013 15:50	13.31	12.54	14.45	12.33	13.58	12.57	14.82	12.78	17.47	13.4	13.84
7/25/2013 16:00	13.31	12.55	14.45	12.33	13.58	12.57	14.82	12.78	17.47	13.4	13.76
7/25/2013 16:10	13.31	12.55	14.45	12.33	13.58	12.56	14.83	12.78	17.48	13.4	13.77
7/25/2013 16:20	13.31	12.56	14.45	12.34	13.58	12.56	14.83	12.79	17.41	13.4	13.64
7/25/2013 16:30	13.31	12.57	14.45	12.34	13.58	12.56	14.83	12.79	17.44	13.4	13.24
7/25/2013 16:40	13.31	12.57	14.45	12.34	13.58	12.56	14.83	12.79	17.45	13.4	13.43
7/25/2013 16:50	13.31	12.58	14.45	12.34	13.58	12.56	14.83	12.79	17.45	13.4	13.22
7/25/2013 17:00	13.31	12.59	14.45	12.35	13.59	12.56	14.83	12.79	17.45	13.4	13.23
7/25/2013 17:10	13.31	12.59	14.45	12.35	13.58	12.56	14.83	12.79	17.45	13.4	13.3
7/25/2013 17:20	13.31	12.6	14.45	12.35	13.58	12.56	14.83	12.79	17.38	13.4	13.01
7/25/2013 17:30	13.31	12.6	14.45	12.35	13.59	12.56	14.83	12.8	17.37	13.4	12.99
7/25/2013 17:40	13.31	12.6	14.45	12.36	13.59	12.56	14.83	12.8	17.4	13.4	13.05

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/25/2013 17:50	13.31	12.6	14.45	12.36	13.59	12.56	14.83	12.8	17.42	13.4	13.03
7/25/2013 18:00	13.31	12.6	14.45	12.36	13.59	12.56	14.83	12.8	17.4	13.4	12.89
7/25/2013 18:10	13.31	12.6	14.45	12.36	13.59	12.56	14.83	12.8	17.42	13.4	12.89
7/25/2013 18:20	13.31	12.61	14.45	12.36	13.59	12.56	14.83	12.8	17.41	13.4	12.85
7/25/2013 18:30	13.31	12.61	14.45	12.36	13.59	12.56	14.83	12.8	17.42	13.4	12.8
7/25/2013 18:40	13.31	12.6	14.45	12.36	13.59	12.56	14.83	12.8	17.41	13.4	12.77
7/25/2013 18:50	13.31	12.61	14.45	12.36	13.59	12.56	14.83	12.81	17.4	13.4	12.74
7/25/2013 19:00	13.31	12.6	14.45	12.36	13.59	12.56	14.84	12.81	17.42	13.4	12.74
7/25/2013 19:10	13.31	12.61	14.45	12.36	13.59	12.56	14.83	12.81	17.4	13.4	12.72
7/25/2013 19:20	13.31	12.61	14.46	12.35	13.59	12.56	14.84	12.81	17.42	13.4	12.7
7/25/2013 19:30	13.31	12.61	14.45	12.35	13.59	12.56	14.83	12.81	17.42	13.4	12.71
7/25/2013 19:40	13.31	12.61	14.46	12.35	13.59	12.56	14.83	12.81	17.41	13.4	12.69
7/25/2013 19:50	13.32	12.61	14.46	12.35	13.59	12.56	14.83	12.81	17.42	13.4	12.73
7/25/2013 20:00	13.31	12.61	14.46	12.35	13.59	12.56	14.84	12.81	17.43	13.4	12.72
7/25/2013 20:10	13.31	12.61	14.46	12.34	13.59	12.56	14.84	12.81	17.41	13.4	12.71
7/25/2013 20:20	13.32	12.61	14.46	12.34	13.59	12.56	14.84	12.81	17.43	13.4	12.69
7/25/2013 20:30	13.31	12.61	14.46	12.34	13.59	12.56	14.84	12.81	17.4	13.4	12.67
7/25/2013 20:40	13.31	12.61	14.46	12.33	13.59	12.56	14.84	12.81	17.4	13.4	12.69
7/25/2013 20:50	13.31	12.61	14.46	12.33	13.59	12.56	14.84	12.81	17.4	13.4	12.69
7/25/2013 21:00	13.32	12.61	14.46	12.33	13.59	12.56	14.84	12.81	17.41	13.4	12.69
7/25/2013 21:10	13.31	12.61	14.46	12.33	13.59	12.56	14.84	12.81	17.41	13.4	12.72
7/25/2013 21:20	13.31	12.6	14.46	12.33	13.59	12.56	14.85	12.81	17.4	13.4	12.73
7/25/2013 21:30	13.32	12.6	14.46	12.33	13.59	12.56	14.85	12.81	17.39	13.4	12.73
7/25/2013 21:40	13.32	12.6	14.46	12.32	13.59	12.56	14.85	12.81	17.4	13.4	12.72
7/25/2013 21:50	13.32	12.6	14.46	12.32	13.59	12.56	14.85	12.81	17.43	13.4	12.73
7/25/2013 22:00	13.32	12.59	14.46	12.32	13.59	12.56	14.86	12.81	17.44	13.4	12.75
7/25/2013 22:10	13.32	12.59	14.46	12.32	13.59	12.56	14.85	12.81	17.45	13.4	12.81
7/25/2013 22:20	13.32	12.59	14.46	12.32	13.59	12.56	14.85	12.81	17.42	13.4	12.77
7/25/2013 22:30	13.32	12.58	14.46	12.32	13.59	12.56	14.85	12.81	17.44	13.4	12.86
7/25/2013 22:40	13.32	12.58	14.46	12.31	13.59	12.56	14.85	12.81	17.42	13.4	12.87
7/25/2013 22:50	13.32	12.57	14.46	12.32	13.59	12.56	14.85	12.8	17.44	13.4	12.88
7/25/2013 23:00	13.32	12.57	14.46	12.31	13.59	12.56	14.85	12.8	17.44	13.4	12.89
7/25/2013 23:10	13.32	12.56	14.46	12.31	13.59	12.56	14.85	12.8	17.44	13.4	12.88
7/25/2013 23:20	13.32	12.56	14.46	12.31	13.59	12.56	14.86	12.8	17.42	13.4	12.95
7/25/2013 23:30	13.32	12.53	14.46	12.31	13.59	12.56	14.86	12.8	17.44	13.4	12.95
7/25/2013 23:40	13.32	12.48	14.46	12.31	13.59	12.56	14.86	12.8	17.44	13.4	12.93
7/25/2013 23:50	13.32	12.48	14.46	12.3	13.59	12.56	14.86	12.8	17.45	13.4	13.03
7/26/2013 0:00	13.32	12.49	14.46	12.3	13.59	12.56	14.86	12.79	17.45	13.4	13.12
7/26/2013 0:10	13.32	12.49	14.46	12.3	13.59	12.56	14.86	12.79	17.45	13.4	13.59

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/26/2013 0:20	13.32	12.5	14.46	12.3	13.59	12.56	14.86	12.79	17.46	13.4	13.38
7/26/2013 0:30	13.32	12.5	14.46	12.29	13.59	12.56	14.86	12.78	17.43	13.4	13.46
7/26/2013 0:40	13.32	12.51	14.46	12.29	13.59	12.56	14.86	12.78	17.44	13.4	13.57
7/26/2013 0:50	13.32	12.51	14.46	12.29	13.6	12.56	14.86	12.78	17.46	13.4	13.63
7/26/2013 1:00	13.32	12.48	14.46	12.29	13.59	12.56	14.86	12.78	17.45	13.4	13.63
7/26/2013 1:10	13.33	12.48	14.46	12.29	13.6	12.56	14.86	12.78	17.4	13.4	13.95
7/26/2013 1:20	13.32	12.47	14.46	12.28	13.59	12.56	14.86	12.78	17.46	13.4	13.94
7/26/2013 1:30	13.33	12.48	14.46	12.28	13.6	12.56	14.86	12.78	17.46	13.4	13.64
7/26/2013 1:40	13.33	12.47	14.46	12.28	13.6	12.56	14.86	12.78	17.42	13.4	13.84
7/26/2013 1:50	13.33	12.48	14.46	12.28	13.6	12.57	14.86	12.78	17.45	13.4	13.81
7/26/2013 2:00	13.33	12.48	14.46	12.28	13.6	12.57	14.86	12.77	17.44	13.4	13.77
7/26/2013 2:10	13.33	12.49	14.46	12.29	13.6	12.57	14.86	12.77	17.45	13.4	13.8
7/26/2013 2:20	13.33	12.48	14.46	12.29	13.6	12.56	14.86	12.77	17.44	13.4	13.69
7/26/2013 2:30	13.33	12.49	14.46	12.29	13.6	12.57	14.86	12.78	17.45	13.4	13.74
7/26/2013 2:40	13.33	12.49	14.46	12.29	13.6	12.57	14.86	12.78	17.45	13.4	13.46
7/26/2013 2:50	13.33	12.5	14.46	12.29	13.6	12.56	14.86	12.78	17.46	13.4	13.38
7/26/2013 3:00	13.33	12.5	14.46	12.29	13.6	12.56	14.86	12.78	17.46	13.4	13.37
7/26/2013 3:10	13.33	12.5	14.46	12.29	13.6	12.56	14.86	12.78	17.46	13.4	13.41
7/26/2013 3:20	13.33	12.5	14.47	12.3	13.6	12.56	14.86	12.78	17.45	13.4	13.45
7/26/2013 3:30	13.33	12.51	14.47	12.3	13.6	12.56	14.86	12.78	17.44	13.4	13.44
7/26/2013 3:40	13.33	12.52	14.47	12.3	13.6	12.56	14.86	12.78	17.44	13.4	13.5
7/26/2013 3:50	13.33	12.52	14.47	12.3	13.6	12.56	14.87	12.78	17.41	13.4	13.54
7/26/2013 4:00	13.33	12.52	14.47	12.31	13.6	12.56	14.87	12.78	17.45	13.4	13.55
7/26/2013 4:10	13.33	12.53	14.47	12.31	13.6	12.56	14.87	12.78	17.47	13.4	13.51
7/26/2013 4:20	13.33	12.53	14.47	12.31	13.6	12.56	14.87	12.78	17.42	13.4	13.35
7/26/2013 4:30	13.33	12.53	14.47	12.32	13.6	12.56	14.87	12.78	17.4	13.4	13.32
7/26/2013 4:40	13.33	12.54	14.47	12.32	13.6	12.56	14.87	12.78	17.42	13.4	13.34
7/26/2013 4:50	13.33	12.54	14.47	12.32	13.6	12.56	14.87	12.79	17.44	13.4	13.3
7/26/2013 5:00	13.33	12.55	14.46	12.32	13.6	12.56	14.87	12.79	17.43	13.4	13.25
7/26/2013 5:10	13.33	12.55	14.47	12.32	13.6	12.56	14.87	12.79	17.4	13.4	13.22
7/26/2013 5:20	13.33	12.56	14.47	12.33	13.6	12.56	14.87	12.79	17.43	13.4	13.15
7/26/2013 5:30	13.33	12.57	14.47	12.33	13.6	12.56	14.87	12.79	17.43	13.4	13.08
7/26/2013 5:40	13.33	12.57	14.47	12.33	13.6	12.56	14.87	12.8	17.43	13.4	13
7/26/2013 5:50	13.33	12.58	14.47	12.33	13.6	12.56	14.87	12.8	17.45	13.4	12.93
7/26/2013 6:00	13.33	12.58	14.47	12.33	13.6	12.56	14.87	12.8	17.45	13.4	12.9
7/26/2013 6:10	13.33	12.58	14.47	12.34	13.6	12.56	14.87	12.8	17.46	13.4	12.88
7/26/2013 6:20	13.33	12.59	14.47	12.34	13.6	12.56	14.88	12.8	17.45	13.4	12.88
7/26/2013 6:30	13.34	12.59	14.47	12.34	13.6	12.56	14.88	12.8	17.46	13.4	12.91
7/26/2013 6:40	13.34	12.59	14.47	12.34	13.6	12.56	14.88	12.81	17.47	13.4	12.81

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/26/2013 6:50	13.34	12.59	14.47	12.34	13.6	12.56	14.88	12.81	17.49	13.4	12.77
7/26/2013 7:00	13.34	12.6	14.47	12.34	13.6	12.56	14.88	12.81	17.48	13.4	12.78
7/26/2013 7:10	13.34	12.6	14.47	12.34	13.6	12.56	14.88	12.81	17.42	13.4	12.76
7/26/2013 7:20	13.34	12.6	14.47	12.34	13.61	12.56	14.88	12.81	17.44	13.4	12.76
7/26/2013 7:30	13.34	12.6	14.47	12.34	13.61	12.56	14.88	12.81	17.44	13.4	12.77
7/26/2013 7:40	13.34	12.6	14.47	12.33	13.61	12.56	14.88	12.81	17.42	13.4	12.77
7/26/2013 7:50	13.34	12.6	14.47	12.33	13.61	12.56	14.88	12.81	17.48	13.4	12.74
7/26/2013 8:00	13.34	12.6	14.47	12.33	13.61	12.56	14.88	12.81	17.47	13.4	12.7
7/26/2013 8:10	13.34	12.6	14.47	12.33	13.61	12.56	14.88	12.81	17.49	13.4	12.7
7/26/2013 8:20	13.34	12.6	14.47	12.33	13.61	12.56	14.88	12.81	17.47	13.4	12.7
7/26/2013 8:30	13.34	12.6	14.47	12.33	13.61	12.56	14.88	12.81	17.49	13.4	12.69
7/26/2013 8:40	13.34	12.6	14.47	12.33	13.61	12.56	14.88	12.81	17.5	13.4	12.69
7/26/2013 8:50	13.34	12.59	14.47	12.33	13.61	12.56	14.88	12.81	17.5	13.4	12.68
7/26/2013 9:00	13.34	12.59	14.47	12.33	13.61	12.56	14.88	12.81	17.49	13.4	12.64
7/26/2013 9:10	13.34	12.59	14.47	12.32	13.61	12.56	14.88	12.81	17.45	13.4	12.64
7/26/2013 9:20	13.34	12.58	14.47	12.32	13.61	12.56	14.88	12.81	17.46	13.4	12.64
7/26/2013 9:30	13.34	12.58	14.47	12.32	13.61	12.56	14.88	12.8	17.48	13.4	12.7
7/26/2013 9:40	13.34	12.57	14.47	12.32	13.61	12.56	14.88	12.8	17.51	13.4	12.71
7/26/2013 9:50	13.34	12.57	14.47	12.32	13.61	12.56	14.89	12.8	17.52	13.4	12.73
7/26/2013 10:00	13.34	12.56	14.47	12.32	13.61	12.56	14.88	12.8	17.5	13.4	12.8
7/26/2013 10:10	13.34	12.56	14.48	12.31	13.61	12.56	14.88	12.8	17.45	13.4	12.88
7/26/2013 10:20	13.34	12.55	14.47	12.31	13.61	12.56	14.88	12.8	17.5	13.4	12.94
7/26/2013 10:30	13.34	12.54	14.47	12.31	13.61	12.56	14.88	12.8	17.53	13.4	12.99
7/26/2013 10:40	13.34	12.54	14.48	12.31	13.61	12.56	14.88	12.79	17.52	13.4	13.02
7/26/2013 10:50	13.34	12.53	14.48	12.31	13.61	12.56	14.88	12.79	17.49	13.4	13.1
7/26/2013 11:00	13.34	12.53	14.48	12.3	13.61	12.56	14.88	12.79	17.5	13.4	13.33
7/26/2013 11:10	13.34	12.52	14.48	12.3	13.61	12.56	14.88	12.78	17.51	13.4	13.24
7/26/2013 11:20	13.34	12.51	14.48	12.3	13.61	12.56	14.88	12.78	17.52	13.4	13.48
7/26/2013 11:30	13.34	12.5	14.48	12.29	13.61	12.56	14.88	12.78	17.51	13.4	13.39
7/26/2013 11:40	13.34	12.49	14.48	12.29	13.61	12.56	14.88	12.78	17.51	13.4	13.69
7/26/2013 11:50	13.35	12.49	14.48	12.28	13.61	12.56	14.88	12.78	17.5	13.4	13.87
7/26/2013 12:00	13.35	12.49	14.48	12.28	13.62	12.56	14.89	12.78	17.5	13.4	13.63
7/26/2013 12:10	13.35	12.49	14.48	12.28	13.61	12.56	14.89	12.78	17.5	13.4	13.68
7/26/2013 12:20	13.35	12.48	14.48	12.27	13.62	12.56	14.89	12.78	17.51	13.4	14.35
7/26/2013 12:30	13.34	12.47	14.48	12.27	13.61	12.57	14.89	12.78	17.52	13.4	14.26
7/26/2013 12:40	13.34	12.47	14.48	12.27	13.61	12.57	14.89	12.77	17.57	13.4	14.14
7/26/2013 12:50	13.34	12.47	14.48	12.26	13.62	12.57	14.89	12.77	17.56	13.4	14.22
7/26/2013 13:00	13.35	12.47	14.48	12.26	13.62	12.57	14.89	12.77	17.53	13.4	13.93
7/26/2013 13:10	13.35	12.46	14.48	12.26	13.62	12.57	14.89	12.77	17.54	13.4	14.32

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/26/2013 13:20	13.35	12.46	14.48	12.26	13.62	12.57	14.89	12.77	17.54	13.4	14.27
7/26/2013 13:30	13.35	12.47	14.48	12.26	13.62	12.57	14.89	12.77	17.54	13.4	13.97
7/26/2013 13:40	13.35	12.47	14.48	12.26	13.62	12.57	14.89	12.77	17.5	13.4	14.56
7/26/2013 13:50	13.35	12.47	14.48	12.26	13.62	12.57	14.89	12.77	17.55	13.4	14.14
7/26/2013 14:00	13.35	12.47	14.48	12.26	13.62	12.57	14.89	12.77	17.44	13.4	14.28
7/26/2013 14:10	13.35	12.48	14.48	12.26	13.62	12.57	14.89	12.77	17.5	13.4	14.07
7/26/2013 14:20	13.35	12.48	14.48	12.27	13.62	12.57	14.89	12.77	17.51	13.4	14.09
7/26/2013 14:30	13.35	12.48	14.49	12.27	13.62	12.56	14.9	12.77	17.52	13.4	13.77
7/26/2013 14:40	13.35	12.49	14.48	12.28	13.62	12.57	14.9	12.77	17.52	13.4	13.64
7/26/2013 14:50	13.35	12.49	14.49	12.28	13.62	12.57	14.9	12.77	17.51	13.4	13.73
7/26/2013 15:00	13.36	12.5	14.49	12.28	13.62	12.57	14.9	12.77	17.46	13.4	13.84
7/26/2013 15:10	13.35	12.5	14.49	12.29	13.62	12.56	14.9	12.77	17.46	13.4	13.89
7/26/2013 15:20	13.35	12.51	14.49	12.29	13.62	12.57	14.9	12.77	17.52	13.4	14.01
7/26/2013 15:30	13.36	12.51	14.49	12.3	13.62	12.57	14.9	12.77	17.53	13.4	13.85
7/26/2013 15:40	13.35	12.52	14.49	12.3	13.62	12.56	14.9	12.77	17.53	13.4	13.95
7/26/2013 15:50	13.36	12.52	14.49	12.31	13.62	12.56	14.9	12.77	17.54	13.4	13.83
7/26/2013 16:00	13.36	12.53	14.49	12.31	13.63	12.57	14.9	12.77	17.54	13.4	13.73
7/26/2013 16:10	13.36	12.53	14.49	12.32	13.63	12.56	14.9	12.77	17.53	13.4	13.73
7/26/2013 16:20	13.36	12.54	14.49	12.32	13.63	12.56	14.9	12.78	17.53	13.4	13.61
7/26/2013 16:30	13.36	12.55	14.49	12.32	13.63	12.56	14.9	12.78	17.53	13.4	13.61
7/26/2013 16:40	13.36	12.55	14.49	12.33	13.63	12.56	14.9	12.78	17.52	13.4	13.4
7/26/2013 16:50	13.36	12.56	14.49	12.33	13.63	12.56	14.9	12.79	17.53	13.4	13.45
7/26/2013 17:00	13.36	12.56	14.49	12.34	13.63	12.56	14.9	12.79	17.5	13.4	13.35
7/26/2013 17:10	13.36	12.57	14.5	12.34	13.63	12.56	14.9	12.79	17.5	13.4	13.32
7/26/2013 17:20	13.36	12.58	14.49	12.34	13.63	12.56	14.9	12.79	17.51	13.4	13.08
7/26/2013 17:30	13.36	12.58	14.49	12.35	13.63	12.56	14.9	12.79	17.5	13.4	13.06
7/26/2013 17:40	13.36	12.59	14.5	12.35	13.63	12.56	14.9	12.8	17.47	13.4	12.97
7/26/2013 17:50	13.36	12.59	14.5	12.35	13.63	12.56	14.9	12.8	17.48	13.4	12.88
7/26/2013 18:00	13.36	12.6	14.5	12.35	13.63	12.56	14.91	12.8	17.5	13.4	12.95
7/26/2013 18:10	13.36	12.6	14.5	12.35	13.63	12.56	14.91	12.8	17.5	13.4	12.96
7/26/2013 18:20	13.36	12.6	14.5	12.36	13.63	12.56	14.91	12.8	17.51	13.4	12.96
7/26/2013 18:30	13.36	12.61	14.5	12.36	13.63	12.56	14.91	12.8	17.49	13.4	12.89
7/26/2013 18:40	13.36	12.61	14.5	12.36	13.63	12.56	14.91	12.8	17.5	13.4	12.83
7/26/2013 18:50	13.36	12.61	14.5	12.36	13.63	12.56	14.91	12.8	17.51	13.4	12.7
7/26/2013 19:00	13.36	12.61	14.5	12.36	13.63	12.56	14.91	12.81	17.49	13.4	12.76
7/26/2013 19:10	13.36	12.61	14.5	12.36	13.63	12.56	14.91	12.81	17.5	13.4	12.71
7/26/2013 19:20	13.36	12.61	14.5	12.37	13.63	12.56	14.91	12.81	17.52	13.4	12.73
7/26/2013 19:30	13.36	12.61	14.5	12.37	13.63	12.56	14.91	12.81	17.51	13.4	12.8
7/26/2013 19:40	13.36	12.61	14.5	12.37	13.63	12.56	14.91	12.81	17.51	13.4	12.89

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/26/2013 19:50	13.36	12.61	14.5	12.37	13.63	12.56	14.91	12.81	17.5	13.4	12.65
7/26/2013 20:00	13.36	12.61	14.5	12.37	13.64	12.56	14.91	12.81	17.5	13.4	12.63
7/26/2013 20:10	13.36	12.61	14.5	12.36	13.64	12.56	14.91	12.81	17.48	13.4	12.62
7/26/2013 20:20	13.36	12.61	14.5	12.36	13.63	12.56	14.91	12.81	17.49	13.4	12.69
7/26/2013 20:30	13.36	12.61	14.5	12.36	13.64	12.56	14.91	12.81	17.48	13.4	12.77
7/26/2013 20:40	13.36	12.61	14.5	12.36	13.64	12.56	14.91	12.81	17.5	13.4	12.59
7/26/2013 20:50	13.36	12.61	14.5	12.36	13.64	12.56	14.92	12.81	17.5	13.4	12.66
7/26/2013 21:00	13.36	12.61	14.5	12.35	13.64	12.56	14.92	12.81	17.49	13.4	12.66
7/26/2013 21:10	13.36	12.61	14.5	12.35	13.64	12.56	14.92	12.82	17.51	13.4	12.68
7/26/2013 21:20	13.36	12.61	14.5	12.35	13.64	12.56	14.93	12.82	17.49	13.4	12.6
7/26/2013 21:30	13.36	12.61	14.5	12.34	13.64	12.56	14.93	12.82	17.48	13.4	12.6
7/26/2013 21:40	13.36	12.61	14.5	12.34	13.64	12.56	14.93	12.81	17.48	13.4	12.6
7/26/2013 21:50	13.37	12.61	14.51	12.34	13.64	12.56	14.93	12.82	17.49	13.4	12.64
7/26/2013 22:00	13.36	12.61	14.51	12.33	13.64	12.56	14.93	12.82	17.5	13.4	12.74
7/26/2013 22:10	13.37	12.6	14.51	12.33	13.64	12.56	14.93	12.82	17.51	13.4	12.68
7/26/2013 22:20	13.37	12.6	14.51	12.33	13.64	12.56	14.93	12.81	17.49	13.4	12.67
7/26/2013 22:30	13.37	12.6	14.51	12.33	13.64	12.56	14.93	12.81	17.51	13.4	12.67
7/26/2013 22:40	13.37	12.6	14.51	12.33	13.64	12.56	14.93	12.81	17.49	13.4	12.73
7/26/2013 22:50	13.37	12.59	14.51	12.32	13.64	12.56	14.93	12.81	17.5	13.4	12.76
7/26/2013 23:00	13.37	12.59	14.5	12.32	13.64	12.56	14.93	12.81	17.51	13.4	12.84
7/26/2013 23:10	13.37	12.58	14.51	12.32	13.64	12.56	14.93	12.81	17.51	13.4	12.87
7/26/2013 23:20	13.37	12.58	14.51	12.32	13.64	12.56	14.93	12.81	17.49	13.4	12.94
7/26/2013 23:30	13.37	12.57	14.51	12.32	13.64	12.56	14.93	12.8	17.5	13.4	13.03
7/26/2013 23:40	13.37	12.57	14.51	12.31	13.64	12.56	14.93	12.8	17.51	13.4	13.08
7/26/2013 23:50	13.37	12.56	14.51	12.31	13.64	12.56	14.94	12.8	17.48	13.4	12.93
7/27/2013 0:00	13.37	12.55	14.51	12.31	13.64	12.56	14.94	12.8	17.5	13.4	13.06
7/27/2013 0:10	13.37	12.5	14.51	12.3	13.64	12.56	14.94	12.8	17.51	13.4	13.19
7/27/2013 0:20	13.37	12.5	14.51	12.3	13.64	12.56	14.94	12.79	17.5	13.4	13.25
7/27/2013 0:30	13.37	12.51	14.51	12.3	13.64	12.56	14.94	12.79	17.5	13.4	13.14
7/27/2013 0:40	13.37	12.51	14.51	12.3	13.64	12.56	14.94	12.79	17.5	13.4	13.12
7/27/2013 0:50	13.37	12.52	14.51	12.29	13.64	12.56	14.93	12.79	17.52	13.4	13.38
7/27/2013 1:00	13.37	12.51	14.51	12.29	13.64	12.56	14.93	12.79	17.51	13.4	13.45
7/27/2013 1:10	13.37	12.5	14.51	12.29	13.64	12.56	14.93	12.79	17.52	13.4	13.79
7/27/2013 1:20	13.37	12.49	14.51	12.29	13.64	12.56	14.93	12.78	17.52	13.4	13.68
7/27/2013 1:30	13.37	12.48	14.51	12.28	13.64	12.56	14.93	12.78	17.53	13.4	13.74
7/27/2013 1:40	13.37	12.48	14.51	12.28	13.64	12.56	14.93	12.78	17.53	13.4	13.75
7/27/2013 1:50	13.38	12.48	14.51	12.28	13.64	12.56	14.93	12.78	17.53	13.4	13.71
7/27/2013 2:00	13.38	12.48	14.51	12.28	13.64	12.56	14.93	12.78	17.53	13.4	13.86
7/27/2013 2:10	13.38	12.48	14.51	12.28	13.64	12.56	14.93	12.78	17.51	13.4	13.92

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/27/2013 2:20	13.38	12.48	14.51	12.28	13.64	12.57	14.94	12.78	17.51	13.4	13.75
7/27/2013 2:30	13.38	12.48	14.51	12.28	13.64	12.56	14.94	12.78	17.53	13.4	13.77
7/27/2013 2:40	13.38	12.48	14.51	12.28	13.64	12.56	14.94	12.77	17.53	13.4	13.78
7/27/2013 2:50	13.38	12.48	14.51	12.28	13.64	12.56	14.94	12.78	17.53	13.4	13.69
7/27/2013 3:00	13.38	12.48	14.51	12.28	13.64	12.56	14.94	12.78	17.54	13.4	13.64
7/27/2013 3:10	13.38	12.48	14.51	12.28	13.64	12.56	14.94	12.78	17.54	13.4	13.65
7/27/2013 3:20	13.38	12.49	14.51	12.28	13.64	12.56	14.94	12.77	17.54	13.4	13.55
7/27/2013 3:30	13.38	12.49	14.51	12.28	13.64	12.56	14.94	12.78	17.54	13.4	13.63
7/27/2013 3:40	13.38	12.49	14.51	12.28	13.64	12.56	14.94	12.78	17.54	13.4	13.44
7/27/2013 3:50	13.38	12.49	14.51	12.29	13.64	12.56	14.94	12.78	17.55	13.4	13.36
7/27/2013 4:00	13.38	12.5	14.51	12.29	13.64	12.56	14.94	12.78	17.54	13.4	13.45
7/27/2013 4:10	13.38	12.5	14.51	12.29	13.64	12.56	14.94	12.78	17.54	13.4	13.57
7/27/2013 4:20	13.38	12.51	14.51	12.3	13.64	12.56	14.94	12.78	17.53	13.4	13.52
7/27/2013 4:30	13.38	12.52	14.51	12.3	13.64	12.56	14.94	12.78	17.54	13.4	13.57
7/27/2013 4:40	13.38	12.52	14.52	12.3	13.64	12.56	14.94	12.78	17.55	13.4	13.67
7/27/2013 4:50	13.38	12.52	14.51	12.3	13.65	12.56	14.94	12.78	17.54	13.4	13.64
7/27/2013 5:00	13.38	12.53	14.51	12.31	13.64	12.56	14.94	12.78	17.51	13.4	13.66
7/27/2013 5:10	13.38	12.53	14.52	12.31	13.64	12.56	14.94	12.78	17.52	13.4	13.62
7/27/2013 5:20	13.38	12.54	14.51	12.31	13.64	12.56	14.95	12.78	17.51	13.4	13.55
7/27/2013 5:30	13.38	12.54	14.51	12.32	13.64	12.56	14.94	12.78	17.53	13.4	13.47
7/27/2013 5:40	13.38	12.54	14.52	12.32	13.65	12.56	14.94	12.78	17.53	13.4	13.37
7/27/2013 5:50	13.38	12.55	14.52	12.32	13.65	12.56	14.95	12.79	17.53	13.4	13.36
7/27/2013 6:00	13.38	12.55	14.52	12.33	13.64	12.56	14.95	12.79	17.54	13.4	13.37
7/27/2013 6:10	13.38	12.56	14.52	12.33	13.65	12.56	14.95	12.79	17.52	13.4	13.36
7/27/2013 6:20	13.38	12.56	14.52	12.33	13.65	12.56	14.95	12.79	17.52	13.4	13.18
7/27/2013 6:30	13.38	12.57	14.52	12.33	13.65	12.56	14.95	12.79	17.53	13.4	13.15
7/27/2013 6:40	13.38	12.57	14.52	12.33	13.65	12.56	14.95	12.8	17.54	13.4	13.1
7/27/2013 6:50	13.38	12.58	14.52	12.34	13.65	12.56	14.95	12.8	17.54	13.4	12.88
7/27/2013 7:00	13.38	12.58	14.52	12.34	13.65	12.56	14.95	12.8	17.55	13.4	12.98
7/27/2013 7:10	13.38	12.58	14.52	12.34	13.65	12.56	14.95	12.8	17.53	13.4	12.93
7/27/2013 7:20	13.38	12.59	14.52	12.34	13.65	12.56	14.95	12.8	17.54	13.4	12.89
7/27/2013 7:30	13.38	12.59	14.52	12.34	13.65	12.56	14.95	12.8	17.54	13.4	12.91
7/27/2013 7:40	13.38	12.59	14.52	12.34	13.65	12.56	14.95	12.8	17.54	13.4	12.88
7/27/2013 7:50	13.38	12.59	14.52	12.34	13.65	12.56	14.95	12.8	17.54	13.4	12.79
7/27/2013 8:00	13.38	12.6	14.52	12.34	13.65	12.56	14.95	12.81	17.55	13.4	12.81
7/27/2013 8:10	13.38	12.59	14.52	12.34	13.65	12.56	14.95	12.81	17.55	13.4	12.78
7/27/2013 8:20	13.39	12.6	14.52	12.34	13.65	12.56	14.95	12.81	17.54	13.4	12.77
7/27/2013 8:30	13.39	12.6	14.52	12.34	13.65	12.56	14.96	12.81	17.55	13.4	12.76
7/27/2013 8:40	13.39	12.6	14.52	12.34	13.65	12.56	14.95	12.81	17.55	13.4	12.8

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/27/2013 8:50	13.39	12.6	14.52	12.34	13.65	12.56	14.95	12.81	17.57	13.4	12.85
7/27/2013 9:00	13.39	12.6	14.52	12.34	13.65	12.56	14.96	12.81	17.57	13.4	12.7
7/27/2013 9:10	13.39	12.6	14.52	12.33	13.66	12.56	14.95	12.81	17.56	13.4	12.77
7/27/2013 9:20	13.39	12.6	14.52	12.33	13.66	12.56	14.96	12.81	17.56	13.4	12.72
7/27/2013 9:30	13.39	12.6	14.52	12.33	13.65	12.56	14.96	12.81	17.57	13.4	12.71
7/27/2013 9:40	13.39	12.59	14.52	12.33	13.65	12.56	14.95	12.81	17.57	13.4	12.74
7/27/2013 9:50	13.39	12.59	14.53	12.33	13.65	12.56	14.95	12.81	17.57	13.4	12.72
7/27/2013 10:00	13.39	12.59	14.52	12.33	13.66	12.56	14.96	12.81	17.57	13.4	12.72
7/27/2013 10:10	13.39	12.59	14.52	12.33	13.66	12.56	14.95	12.81	17.58	13.4	12.72
7/27/2013 10:20	13.39	12.58	14.53	12.32	13.66	12.56	14.96	12.81	17.58	13.4	12.72
7/27/2013 10:30	13.39	12.58	14.52	12.32	13.66	12.56	14.96	12.81	17.58	13.4	12.71
7/27/2013 10:40	13.39	12.57	14.52	12.32	13.66	12.56	14.96	12.8	17.59	13.4	12.7
7/27/2013 10:50	13.39	12.57	14.53	12.32	13.66	12.56	14.96	12.8	17.59	13.4	12.72
7/27/2013 11:00	13.39	12.56	14.53	12.32	13.66	12.56	14.96	12.8	17.57	13.4	12.74
7/27/2013 11:10	13.39	12.56	14.52	12.31	13.66	12.56	14.96	12.8	17.57	13.4	12.77
7/27/2013 11:20	13.39	12.56	14.53	12.31	13.66	12.56	14.96	12.8	17.61	13.4	12.82
7/27/2013 11:30	13.39	12.55	14.53	12.31	13.66	12.56	14.96	12.8	17.61	13.4	12.8
7/27/2013 11:40	13.39	12.54	14.53	12.31	13.66	12.56	14.96	12.8	17.6	13.4	12.92
7/27/2013 11:50	13.39	12.54	14.53	12.31	13.66	12.56	14.96	12.79	17.58	13.4	12.93
7/27/2013 12:00	13.39	12.54	14.53	12.31	13.66	12.56	14.96	12.79	17.58	13.4	12.93
7/27/2013 12:10	13.39	12.53	14.53	12.3	13.66	12.56	14.96	12.79	17.55	13.4	12.93
7/27/2013 12:20	13.39	12.52	14.53	12.3	13.66	12.56	14.96	12.79	17.56	13.4	13.06
7/27/2013 12:30	13.39	12.52	14.53	12.29	13.66	12.56	14.96	12.78	17.54	13.4	13.19
7/27/2013 12:40	13.39	12.51	14.53	12.29	13.66	12.56	14.96	12.78	17.59	13.4	13.26
7/27/2013 12:50	13.39	12.51	14.53	12.29	13.66	12.56	14.96	12.78	17.6	13.4	13.33
7/27/2013 13:00	13.39	12.5	14.53	12.29	13.66	12.56	14.96	12.78	17.6	13.4	13.39
7/27/2013 13:10	13.39	12.5	14.53	12.28	13.66	12.56	14.96	12.78	17.58	13.4	13.32
7/27/2013 13:20	13.39	12.5	14.53	12.28	13.66	12.56	14.96	12.78	17.6	13.4	13.53
7/27/2013 13:30	13.39	12.5	14.53	12.28	13.66	12.56	14.96	12.78	17.62	13.4	13.49
7/27/2013 13:40	13.39	12.49	14.53	12.28	13.67	12.56	14.97	12.78	17.59	13.4	13.62
7/27/2013 13:50	13.4	12.49	14.53	12.28	13.66	12.56	14.97	12.78	17.63	13.4	13.38
7/27/2013 14:00	13.4	12.49	14.53	12.28	13.66	12.56	14.97	12.78	17.56	13.4	13.33
7/27/2013 14:10	13.4	12.49	14.53	12.28	13.67	12.56	14.97	12.78	17.6	13.4	13.41
7/27/2013 14:20	13.4	12.49	14.53	12.27	13.66	12.56	14.97	12.77	17.6	13.4	13.35
7/27/2013 14:30	13.4	12.49	14.53	12.28	13.66	12.56	14.97	12.77	17.6	13.4	13.38
7/27/2013 14:40	13.4	12.49	14.53	12.28	13.66	12.56	14.97	12.77	17.62	13.4	13.53
7/27/2013 14:50	13.4	12.49	14.54	12.28	13.67	12.56	14.97	12.77	17.63	13.4	13.49
7/27/2013 15:00	13.4	12.49	14.54	12.28	13.66	12.56	14.97	12.77	17.62	13.4	13.57
7/27/2013 15:10	13.4	12.5	14.54	12.28	13.67	12.57	14.97	12.77	17.63	13.4	13.87

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/27/2013 15:20	13.4	12.5	14.54	12.29	13.67	12.56	14.97	12.77	17.63	13.4	13.62
7/27/2013 15:30	13.4	12.51	14.54	12.29	13.67	12.56	14.97	12.77	17.63	13.4	13.53
7/27/2013 15:40	13.4	12.51	14.54	12.29	13.67	12.56	14.97	12.77	17.59	13.4	13.49
7/27/2013 15:50	13.4	12.51	14.54	12.29	13.67	12.56	14.97	12.77	17.58	13.4	13.49
7/27/2013 16:00	13.4	12.52	14.54	12.3	13.67	12.56	14.97	12.77	17.6	13.4	13.54
7/27/2013 16:10	13.4	12.52	14.54	12.3	13.67	12.56	14.97	12.78	17.59	13.4	13.57
7/27/2013 16:20	13.4	12.53	14.54	12.31	13.67	12.56	14.97	12.78	17.62	13.4	13.66
7/27/2013 16:30	13.4	12.53	14.54	12.31	13.67	12.56	14.97	12.78	17.62	13.4	13.5
7/27/2013 16:40	13.4	12.53	14.54	12.31	13.67	12.56	14.97	12.78	17.62	13.4	13.56
7/27/2013 16:50	13.4	12.54	14.54	12.32	13.67	12.56	14.97	12.78	17.63	13.4	13.57
7/27/2013 17:00	13.4	12.55	14.54	12.32	13.67	12.56	14.97	12.78	17.62	13.4	13.26
7/27/2013 17:10	13.41	12.55	14.54	12.32	13.67	12.56	14.97	12.78	17.6	13.4	13.29
7/27/2013 17:20	13.4	12.56	14.54	12.33	13.67	12.56	14.97	12.78	17.61	13.4	13.25
7/27/2013 17:30	13.41	12.56	14.54	12.33	13.67	12.56	14.98	12.79	17.6	13.4	13.26
7/27/2013 17:40	13.4	12.57	14.54	12.33	13.67	12.56	14.98	12.79	17.61	13.4	13.07
7/27/2013 17:50	13.4	12.57	14.55	12.34	13.67	12.56	14.98	12.79	17.6	13.4	13
7/27/2013 18:00	13.4	12.58	14.55	12.34	13.67	12.56	14.98	12.8	17.6	13.4	13.04
7/27/2013 18:10	13.41	12.58	14.55	12.34	13.68	12.56	14.98	12.8	17.58	13.4	12.97
7/27/2013 18:20	13.4	12.59	14.55	12.34	13.67	12.56	14.98	12.8	17.57	13.4	12.85
7/27/2013 18:30	13.4	12.59	14.55	12.35	13.67	12.56	14.98	12.8	17.54	13.4	12.77
7/27/2013 18:40	13.41	12.6	14.55	12.35	13.67	12.56	14.98	12.8	17.56	13.4	12.78
7/27/2013 18:50	13.41	12.6	14.55	12.35	13.68	12.56	14.98	12.8	17.54	13.4	12.77
7/27/2013 19:00	13.41	12.6	14.55	12.35	13.68	12.56	14.98	12.8	17.56	13.4	12.73
7/27/2013 19:10	13.41	12.6	14.55	12.35	13.68	12.56	14.98	12.81	17.57	13.4	12.81
7/27/2013 19:20	13.41	12.61	14.55	12.35	13.68	12.56	14.98	12.81	17.58	13.4	12.88
7/27/2013 19:30	13.41	12.61	14.55	12.36	13.68	12.56	14.99	12.81	17.58	13.4	12.69
7/27/2013 19:40	13.41	12.61	14.55	12.36	13.68	12.56	14.99	12.81	17.59	13.4	12.71
7/27/2013 19:50	13.41	12.61	14.55	12.37	13.68	12.56	14.99	12.81	17.61	13.4	12.69
7/27/2013 20:00	13.41	12.61	14.55	12.37	13.68	12.56	14.99	12.81	17.59	13.4	12.79
7/27/2013 20:10	13.41	12.61	14.55	12.37	13.68	12.56	14.99	12.81	17.6	13.4	12.67
7/27/2013 20:20	13.41	12.61	14.55	12.37	13.68	12.56	14.99	12.81	17.55	13.4	12.66
7/27/2013 20:30	13.4	12.61	14.55	12.37	13.68	12.56	14.99	12.81	17.58	13.4	12.72
7/27/2013 20:40	13.41	12.61	14.55	12.36	13.68	12.56	14.99	12.82	17.6	13.4	12.74
7/27/2013 20:50	13.41	12.61	14.55	12.36	13.68	12.56	14.99	12.82	17.61	13.4	12.68
7/27/2013 21:00	13.41	12.61	14.55	12.36	13.68	12.56	14.99	12.82	17.6	13.4	12.7
7/27/2013 21:10	13.41	12.61	14.55	12.36	13.68	12.56	14.99	12.81	17.57	13.4	12.68
7/27/2013 21:20	13.41	12.61	14.55	12.36	13.68	12.56	14.99	12.81	17.57	13.4	12.73
7/27/2013 21:30	13.41	12.61	14.55	12.36	13.68	12.56	14.99	12.82	17.6	13.4	12.74
7/27/2013 21:40	13.41	12.61	14.55	12.35	13.68	12.56	14.99	12.82	17.6	13.4	12.74

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/27/2013 21:50	13.41	12.61	14.55	12.35	13.68	12.56	15	12.82	17.61	13.4	12.74
7/27/2013 22:00	13.41	12.61	14.55	12.34	13.68	12.56	15	12.82	17.59	13.4	12.71
7/27/2013 22:10	13.41	12.61	14.55	12.34	13.67	12.56	15	12.82	17.65	13.4	12.66
7/27/2013 22:20	13.41	12.61	14.55	12.34	13.68	12.56	15	12.82	17.64	13.4	12.69
7/27/2013 22:30	13.41	12.61	14.55	12.34	13.67	12.56	15	12.82	17.62	13.4	12.68
7/27/2013 22:40	13.41	12.6	14.55	12.33	13.68	12.56	15	12.82	17.62	13.4	12.66
7/27/2013 22:50	13.41	12.6	14.55	12.33	13.67	12.56	15	12.81	17.61	13.4	12.67
7/27/2013 23:00	13.41	12.6	14.55	12.33	13.67	12.56	15	12.81	17.64	13.4	12.66
7/27/2013 23:10	13.41	12.6	14.55	12.33	13.67	12.56	15	12.81	17.64	13.4	12.67
7/27/2013 23:20	13.41	12.59	14.55	12.32	13.67	12.56	15	12.81	17.62	13.4	12.71
7/27/2013 23:30	13.41	12.59	14.56	12.32	13.68	12.56	15	12.81	17.59	13.4	12.75
7/27/2013 23:40	13.41	12.58	14.56	12.32	13.67	12.56	15	12.81	17.59	13.4	12.72
7/27/2013 23:50	13.42	12.58	14.55	12.32	13.68	12.56	15.01	12.81	17.61	13.4	12.74
7/28/2013 0:00	13.42	12.57	14.56	12.31	13.68	12.56	15	12.81	17.62	13.4	12.79
7/28/2013 0:10	13.41	12.57	14.56	12.31	13.68	12.56	15.01	12.81	17.6	13.4	12.88
7/28/2013 0:20	13.41	12.56	14.56	12.31	13.68	12.56	15.01	12.8	17.61	13.4	12.95
7/28/2013 0:30	13.42	12.55	14.56	12.31	13.68	12.56	15.01	12.8	17.59	13.4	12.89
7/28/2013 0:40	13.41	12.54	14.56	12.31	13.68	12.56	15.01	12.8	17.61	13.4	12.99
7/28/2013 0:50	13.41	12.52	14.56	12.3	13.68	12.56	15.01	12.8	17.62	13.4	13.07
7/28/2013 1:00	13.41	12.52	14.56	12.3	13.68	12.56	15.01	12.79	17.66	13.4	13.22
7/28/2013 1:10	13.42	12.52	14.56	12.3	13.68	12.56	15.01	12.79	17.61	13.4	13.38
7/28/2013 1:20	13.42	12.53	14.56	12.29	13.68	12.56	15.01	12.79	17.61	13.4	13.21
7/28/2013 1:30	13.42	12.51	14.56	12.29	13.68	12.56	15.01	12.79	17.63	13.4	13.42
7/28/2013 1:40	13.42	12.5	14.56	12.29	13.68	12.56	15.01	12.78	17.62	13.4	13.33
7/28/2013 1:50	13.42	12.5	14.56	12.28	13.68	12.56	15.01	12.78	17.61	13.4	13.09
7/28/2013 2:00	13.42	12.49	14.56	12.28	13.68	12.56	15.01	12.78	17.63	13.4	13.31
7/28/2013 2:10	13.42	12.49	14.56	12.28	13.68	12.56	15.02	12.78	17.63	13.4	13.29
7/28/2013 2:20	13.42	12.48	14.56	12.28	13.68	12.56	15.01	12.78	17.63	13.4	13.43
7/28/2013 2:30	13.42	12.48	14.56	12.28	13.68	12.56	15.01	12.78	17.62	13.4	13.42
7/28/2013 2:40	13.42	12.49	14.56	12.27	13.68	12.56	15.01	12.78	17.62	13.4	13.68
7/28/2013 2:50	13.42	12.48	14.56	12.27	13.68	12.56	15.02	12.78	17.62	13.4	13.71
7/28/2013 3:00	13.42	12.49	14.56	12.27	13.68	12.56	15.02	12.78	17.64	13.4	13.93
7/28/2013 3:10	13.42	12.48	14.56	12.27	13.68	12.56	15.02	12.78	17.64	13.4	13.68
7/28/2013 3:20	13.42	12.49	14.56	12.27	13.68	12.56	15.02	12.78	17.64	13.4	13.58
7/28/2013 3:30	13.42	12.49	14.56	12.27	13.68	12.56	15.02	12.77	17.64	13.4	13.72
7/28/2013 3:40	13.42	12.49	14.56	12.27	13.68	12.56	15.02	12.78	17.63	13.4	13.67
7/28/2013 3:50	13.42	12.49	14.56	12.27	13.68	12.56	15.02	12.78	17.61	13.4	13.57
7/28/2013 4:00	13.42	12.49	14.56	12.28	13.68	12.56	15.02	12.78	17.62	13.4	13.52
7/28/2013 4:10	13.42	12.49	14.57	12.28	13.68	12.56	15.02	12.78	17.58	13.4	13.64

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/28/2013 4:20	13.42	12.49	14.57	12.28	13.68	12.56	15.02	12.77	17.59	13.4	13.43
7/28/2013 4:30	13.42	12.49	14.56	12.28	13.68	12.56	15.02	12.78	17.64	13.4	13.38
7/28/2013 4:40	13.42	12.5	14.57	12.29	13.68	12.56	15.02	12.78	17.67	13.4	13.51
7/28/2013 4:50	13.42	12.5	14.57	12.29	13.68	12.56	15.02	12.77	17.64	13.4	13.48
7/28/2013 5:00	13.42	12.51	14.57	12.29	13.68	12.56	15.02	12.77	17.66	13.4	13.45
7/28/2013 5:10	13.42	12.51	14.57	12.3	13.68	12.56	15.02	12.77	17.65	13.4	13.39
7/28/2013 5:20	13.42	12.52	14.57	12.3	13.68	12.56	15.02	12.78	17.63	13.4	13.44
7/28/2013 5:30	13.42	12.52	14.57	12.3	13.68	12.56	15.03	12.78	17.62	13.4	13.49
7/28/2013 5:40	13.42	12.53	14.57	12.3	13.69	12.56	15.02	12.78	17.58	13.4	13.53
7/28/2013 5:50	13.42	12.53	14.57	12.31	13.69	12.56	15.02	12.78	17.61	13.4	13.56
7/28/2013 6:00	13.42	12.53	14.57	12.31	13.68	12.56	15.03	12.78	17.61	13.4	13.58
7/28/2013 6:10	13.42	12.54	14.57	12.31	13.69	12.56	15.03	12.78	17.59	13.4	13.59
7/28/2013 6:20	13.42	12.54	14.57	12.32	13.69	12.56	15.03	12.78	17.59	13.4	13.42
7/28/2013 6:30	13.43	12.55	14.57	12.32	13.68	12.56	15.03	12.78	17.61	13.4	13.36
7/28/2013 6:40	13.43	12.55	14.57	12.32	13.69	12.56	15.03	12.78	17.61	13.4	13.27
7/28/2013 6:50	13.43	12.55	14.57	12.32	13.69	12.56	15.03	12.79	17.6	13.4	13.33
7/28/2013 7:00	13.43	12.56	14.57	12.33	13.69	12.56	15.03	12.79	17.59	13.4	13.27
7/28/2013 7:10	13.43	12.56	14.57	12.33	13.69	12.56	15.03	12.79	17.59	13.4	13.2
7/28/2013 7:20	13.43	12.57	14.57	12.33	13.69	12.56	15.03	12.79	17.63	13.4	13.18
7/28/2013 7:30	13.43	12.57	14.57	12.33	13.69	12.56	15.03	12.79	17.63	13.4	13.11
7/28/2013 7:40	13.43	12.57	14.57	12.34	13.69	12.56	15.03	12.8	17.62	13.4	13.09
7/28/2013 7:50	13.43	12.58	14.57	12.34	13.69	12.56	15.03	12.8	17.61	13.4	13
7/28/2013 8:00	13.43	12.58	14.57	12.34	13.69	12.56	15.04	12.8	17.64	13.4	12.97
7/28/2013 8:10	13.43	12.58	14.57	12.34	13.69	12.56	15.04	12.8	17.64	13.4	12.92
7/28/2013 8:20	13.43	12.59	14.57	12.34	13.69	12.56	15.04	12.8	17.63	13.4	12.92
7/28/2013 8:30	13.43	12.59	14.57	12.34	13.69	12.56	15.04	12.8	17.64	13.4	12.89
7/28/2013 8:40	13.43	12.59	14.57	12.34	13.69	12.56	15.03	12.8	17.63	13.4	12.88
7/28/2013 8:50	13.43	12.59	14.57	12.34	13.69	12.56	15.04	12.8	17.61	13.4	12.87
7/28/2013 9:00	13.43	12.59	14.57	12.34	13.69	12.56	15.04	12.81	17.61	13.4	12.84
7/28/2013 9:10	13.43	12.59	14.57	12.34	13.69	12.56	15.04	12.81	17.62	13.4	12.81
7/28/2013 9:20	13.43	12.59	14.57	12.34	13.69	12.56	15.04	12.81	17.64	13.4	12.79
7/28/2013 9:30	13.43	12.6	14.57	12.34	13.69	12.56	15.04	12.81	17.65	13.4	12.79
7/28/2013 9:40	13.43	12.6	14.57	12.34	13.69	12.56	15.04	12.81	17.64	13.4	12.79
7/28/2013 9:50	13.43	12.6	14.58	12.34	13.69	12.56	15.04	12.81	17.63	13.4	12.8
7/28/2013 10:00	13.43	12.6	14.57	12.33	13.69	12.56	15.04	12.81	17.63	13.4	12.78
7/28/2013 10:10	13.43	12.6	14.58	12.34	13.69	12.56	15.04	12.81	17.61	13.4	12.75
7/28/2013 10:20	13.43	12.6	14.58	12.33	13.69	12.56	15.04	12.81	17.59	13.4	12.76
7/28/2013 10:30	13.43	12.6	14.57	12.33	13.69	12.55	15.04	12.81	17.61	13.4	12.76
7/28/2013 10:40	13.43	12.59	14.58	12.33	13.69	12.56	15.04	12.81	17.62	13.4	12.77

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/28/2013 10:50	13.43	12.59	14.58	12.33	13.69	12.56	15.04	12.81	17.64	13.4	12.79
7/28/2013 11:00	13.43	12.59	14.58	12.33	13.69	12.56	15.04	12.81	17.62	13.4	12.78
7/28/2013 11:10	13.43	12.59	14.58	12.33	13.7	12.56	15.04	12.81	17.64	13.4	12.76
7/28/2013 11:20	13.43	12.59	14.58	12.32	13.69	12.56	15.04	12.81	17.65	13.4	12.75
7/28/2013 11:30	13.43	12.58	14.58	12.32	13.69	12.56	15.04	12.81	17.6	13.4	12.75
7/28/2013 11:40	13.43	12.58	14.58	12.32	13.69	12.56	15.04	12.8	17.61	13.4	12.75
7/28/2013 11:50	13.44	12.58	14.58	12.32	13.7	12.56	15.04	12.8	17.62	13.4	12.76
7/28/2013 12:00	13.43	12.57	14.58	12.32	13.7	12.56	15.04	12.8	17.6	13.4	12.76
7/28/2013 12:10	13.44	12.57	14.58	12.32	13.7	12.56	15.04	12.8	17.65	13.4	12.76
7/28/2013 12:20	13.44	12.57	14.58	12.32	13.7	12.56	15.04	12.8	17.64	13.39	12.78
7/28/2013 12:30	13.44	12.56	14.58	12.31	13.7	12.56	15.04	12.8	17.69	13.4	12.74
7/28/2013 12:40	13.44	12.56	14.58	12.31	13.7	12.56	15.04	12.8	17.65	13.4	12.78
7/28/2013 12:50	13.44	12.55	14.58	12.31	13.7	12.56	15.04	12.8	17.68	13.4	12.78
7/28/2013 13:00	13.44	12.55	14.58	12.31	13.7	12.56	15.04	12.8	17.67	13.4	12.79
7/28/2013 13:10	13.44	12.55	14.58	12.31	13.7	12.56	15.05	12.79	17.69	13.4	12.8
7/28/2013 13:20	13.44	12.54	14.58	12.31	13.7	12.56	15.05	12.79	17.67	13.4	12.85
7/28/2013 13:30	13.44	12.54	14.58	12.31	13.7	12.56	15.05	12.79	17.69	13.4	12.86
7/28/2013 13:40	13.44	12.53	14.58	12.3	13.7	12.56	15.05	12.79	17.64	13.4	12.89
7/28/2013 13:50	13.44	12.53	14.58	12.3	13.7	12.56	15.05	12.79	17.66	13.4	12.92
7/28/2013 14:00	13.44	12.53	14.58	12.3	13.7	12.56	15.05	12.79	17.65	13.4	12.91
7/28/2013 14:10	13.44	12.53	14.58	12.3	13.7	12.56	15.05	12.79	17.67	13.4	13.06
7/28/2013 14:20	13.44	12.52	14.58	12.3	13.7	12.56	15.05	12.78	17.68	13.4	13.05
7/28/2013 14:30	13.44	12.52	14.58	12.3	13.7	12.56	15.05	12.78	17.68	13.4	13.05
7/28/2013 14:40	13.44	12.52	14.58	12.3	13.7	12.56	15.05	12.78	17.68	13.4	13.09
7/28/2013 14:50	13.44	12.52	14.58	12.3	13.7	12.56	15.05	12.78	17.69	13.4	12.95
7/28/2013 15:00	13.44	12.51	14.58	12.3	13.7	12.56	15.05	12.78	17.64	13.4	12.97
7/28/2013 15:10	13.44	12.51	14.58	12.3	13.7	12.56	15.05	12.78	17.65	13.4	13.04
7/28/2013 15:20	13.44	12.52	14.58	12.3	13.7	12.56	15.05	12.78	17.66	13.4	13.07
7/28/2013 15:30	13.44	12.52	14.59	12.3	13.7	12.56	15.05	12.78	17.65	13.4	13.12
7/28/2013 15:40	13.44	12.51	14.59	12.3	13.7	12.56	15.05	12.78	17.66	13.4	13.07
7/28/2013 15:50	13.44	12.51	14.59	12.3	13.7	12.56	15.05	12.78	17.67	13.4	13.14
7/28/2013 16:00	13.44	12.52	14.59	12.3	13.7	12.56	15.05	12.78	17.65	13.4	12.96
7/28/2013 16:10	13.44	12.52	14.59	12.3	13.71	12.56	15.05	12.78	17.63	13.4	13.19
7/28/2013 16:20	13.44	12.52	14.59	12.3	13.7	12.56	15.05	12.78	17.65	13.4	12.99
7/28/2013 16:30	13.44	12.52	14.59	12.31	13.71	12.56	15.05	12.78	17.66	13.39	13.01
7/28/2013 16:40	13.44	12.53	14.59	12.31	13.71	12.56	15.05	12.78	17.67	13.4	13.06
7/28/2013 16:50	13.44	12.53	14.59	12.31	13.71	12.56	15.05	12.78	17.64	13.4	13.13
7/28/2013 17:00	13.45	12.53	14.59	12.31	13.71	12.56	15.05	12.78	17.67	13.4	13.2
7/28/2013 17:10	13.45	12.54	14.59	12.32	13.71	12.56	15.06	12.78	17.67	13.4	13.19

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/28/2013 17:20	13.45	12.54	14.59	12.32	13.71	12.56	15.06	12.78	17.68	13.4	13.14
7/28/2013 17:30	13.45	12.55	14.59	12.32	13.71	12.56	15.06	12.78	17.67	13.4	13.03
7/28/2013 17:40	13.45	12.55	14.59	12.32	13.71	12.56	15.06	12.79	17.69	13.4	13.06
7/28/2013 17:50	13.45	12.56	14.59	12.32	13.71	12.56	15.05	12.79	17.7	13.39	13.01
7/28/2013 18:00	13.45	12.56	14.59	12.33	13.71	12.56	15.06	12.79	17.68	13.4	12.91
7/28/2013 18:10	13.45	12.57	14.59	12.33	13.71	12.56	15.06	12.79	17.65	13.39	12.9
7/28/2013 18:20	13.45	12.57	14.59	12.33	13.71	12.56	15.06	12.8	17.68	13.4	12.89
7/28/2013 18:30	13.45	12.58	14.59	12.33	13.71	12.56	15.06	12.8	17.66	13.4	12.91
7/28/2013 18:40	13.45	12.58	14.59	12.34	13.71	12.56	15.06	12.8	17.69	13.4	12.89
7/28/2013 18:50	13.45	12.59	14.59	12.34	13.71	12.55	15.06	12.8	17.7	13.39	12.83
7/28/2013 19:00	13.45	12.59	14.59	12.34	13.71	12.55	15.06	12.8	17.69	13.4	12.74
7/28/2013 19:10	13.45	12.59	14.59	12.34	13.71	12.56	15.06	12.8	17.72	13.4	12.74
7/28/2013 19:20	13.45	12.6	14.6	12.34	13.71	12.55	15.06	12.81	17.75	13.39	12.74
7/28/2013 19:30	13.45	12.6	14.6	12.34	13.71	12.55	15.07	12.81	17.69	13.4	12.75
7/28/2013 19:40	13.45	12.6	14.6	12.35	13.71	12.56	15.07	12.81	17.71	13.4	12.75
7/28/2013 19:50	13.45	12.6	14.6	12.35	13.71	12.55	15.07	12.81	17.69	13.4	12.73
7/28/2013 20:00	13.45	12.61	14.6	12.35	13.71	12.56	15.07	12.81	17.67	13.4	12.71
7/28/2013 20:10	13.45	12.61	14.6	12.36	13.71	12.55	15.07	12.81	17.73	13.4	12.7
7/28/2013 20:20	13.45	12.61	14.6	12.36	13.71	12.55	15.07	12.81	17.69	13.4	12.7
7/28/2013 20:30	13.45	12.61	14.6	12.36	13.71	12.55	15.07	12.82	17.72	13.4	12.71
7/28/2013 20:40	13.45	12.61	14.6	12.36	13.71	12.55	15.07	12.82	17.74	13.4	12.72
7/28/2013 20:50	13.45	12.61	14.6	12.36	13.71	12.56	15.07	12.82	17.72	13.4	12.7
7/28/2013 21:00	13.45	12.61	14.6	12.36	13.71	12.55	15.07	12.82	17.72	13.4	12.69
7/28/2013 21:10	13.45	12.61	14.6	12.36	13.71	12.55	15.08	12.82	17.64	13.4	12.68
7/28/2013 21:20	13.45	12.61	14.6	12.36	13.71	12.55	15.08	12.82	17.68	13.4	12.69
7/28/2013 21:30	13.46	12.61	14.6	12.36	13.71	12.55	15.08	12.82	17.66	13.4	12.69
7/28/2013 21:40	13.45	12.61	14.6	12.36	13.71	12.55	15.07	12.82	17.73	13.39	12.69
7/28/2013 21:50	13.46	12.61	14.6	12.35	13.71	12.55	15.08	12.82	17.75	13.4	12.68
7/28/2013 22:00	13.46	12.61	14.6	12.35	13.71	12.56	15.08	12.82	17.73	13.39	12.68
7/28/2013 22:10	13.46	12.61	14.6	12.34	13.72	12.55	15.07	12.82	17.72	13.4	12.69
7/28/2013 22:20	13.46	12.61	14.6	12.34	13.71	12.55	15.07	12.82	17.68	13.4	12.68
7/28/2013 22:30	13.46	12.61	14.6	12.35	13.71	12.55	15.07	12.82	17.69	13.4	12.66
7/28/2013 22:40	13.46	12.61	14.6	12.35	13.71	12.55	15.07	12.82	17.71	13.4	12.65
7/28/2013 22:50	13.46	12.61	14.6	12.34	13.71	12.56	15.08	12.82	17.68	13.4	12.63
7/28/2013 23:00	13.46	12.61	14.6	12.34	13.71	12.55	15.08	12.82	17.7	13.4	12.63
7/28/2013 23:10	13.46	12.61	14.6	12.34	13.72	12.56	15.08	12.82	17.68	13.4	12.62
7/28/2013 23:20	13.46	12.61	14.6	12.34	13.71	12.56	15.08	12.82	17.7	13.4	12.62
7/28/2013 23:30	13.46	12.6	14.6	12.34	13.71	12.56	15.08	12.82	17.68	13.39	12.63
7/28/2013 23:40	13.46	12.6	14.6	12.34	13.71	12.55	15.08	12.82	17.69	13.4	12.61

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/28/2013 23:50	13.46	12.6	14.6	12.34	13.71	12.55	15.08	12.82	17.73	13.4	12.61
7/29/2013 0:00	13.46	12.59	14.6	12.34	13.71	12.56	15.08	12.82	17.72	13.4	12.62
7/29/2013 0:10	13.46	12.59	14.6	12.34	13.71	12.56	15.08	12.81	17.77	13.4	12.62
7/29/2013 0:20	13.46	12.58	14.6	12.34	13.72	12.56	15.09	12.81	17.78	13.4	12.61
7/29/2013 0:30	13.46	12.58	14.6	12.34	13.71	12.56	15.09	12.81	17.76	13.4	12.65
7/29/2013 0:40	13.46	12.57	14.6	12.34	13.71	12.56	15.08	12.81	17.75	13.4	12.64
7/29/2013 0:50	13.46	12.57	14.6	12.33	13.71	12.56	15.09	12.8	17.78	13.4	12.7
7/29/2013 1:00	13.46	12.56	14.6	12.32	13.71	12.56	15.09	12.8	17.71	13.4	12.73
7/29/2013 1:10	13.46	12.55	14.6	12.31	13.71	12.56	15.09	12.8	17.7	13.4	12.72
7/29/2013 1:20	13.46	12.55	14.6	12.31	13.71	12.56	15.09	12.8	17.77	13.4	12.72
7/29/2013 1:30	13.46	12.54	14.6	12.31	13.71	12.56	15.09	12.8	17.76	13.4	12.78
7/29/2013 1:40	13.46	12.53	14.61	12.3	13.71	12.56	15.08	12.79	17.73	13.4	12.81
7/29/2013 1:50	13.46	12.53	14.61	12.3	13.71	12.56	15.08	12.79	17.73	13.4	12.87
7/29/2013 2:00	13.46	12.52	14.61	12.3	13.71	12.56	15.08	12.79	17.65	13.4	12.93
7/29/2013 2:10	13.46	12.51	14.61	12.29	13.71	12.56	15.08	12.79	17.68	13.39	12.9
7/29/2013 2:20	13.46	12.51	14.61	12.29	13.71	12.56	15.09	12.79	17.66	13.4	12.91
7/29/2013 2:30	13.46	12.5	14.61	12.29	13.71	12.56	15.09	12.78	17.65	13.4	12.96
7/29/2013 2:40	13.46	12.5	14.61	12.28	13.71	12.56	15.09	12.79	17.66	13.39	13.12
7/29/2013 2:50	13.46	12.49	14.61	12.28	13.72	12.56	15.09	12.78	17.69	13.4	13.19
7/29/2013 3:00	13.46	12.49	14.61	12.28	13.71	12.56	15.09	12.78	17.66	13.4	13.19
7/29/2013 3:10	13.46	12.49	14.61	12.28	13.71	12.56	15.09	12.78	17.71	13.39	13.3
7/29/2013 3:20	13.46	12.49	14.61	12.28	13.71	12.56	15.09	12.78	17.69	13.4	13.4
7/29/2013 3:30	13.46	12.49	14.61	12.27	13.71	12.56	15.09	12.78	17.7	13.4	13.38
7/29/2013 3:40	13.46	12.49	14.61	12.27	13.71	12.56	15.09	12.78	17.72	13.4	13.42
7/29/2013 3:50	13.47	12.49	14.61	12.27	13.72	12.56	15.09	12.78	17.71	13.4	13.54
7/29/2013 4:00	13.46	12.49	14.61	12.27	13.72	12.56	15.09	12.78	17.71	13.4	13.57
7/29/2013 4:10	13.46	12.49	14.61	12.28	13.71	12.56	15.1	12.78	17.69	13.4	13.49
7/29/2013 4:20	13.47	12.49	14.61	12.27	13.72	12.56	15.1	12.78	17.7	13.39	13.37
7/29/2013 4:30	13.47	12.49	14.61	12.28	13.72	12.56	15.1	12.77	17.7	13.4	13.41
7/29/2013 4:40	13.47	12.49	14.61	12.28	13.72	12.56	15.09	12.77	17.7	13.4	13.46
7/29/2013 4:50	13.47	12.49	14.61	12.28	13.72	12.56	15.1	12.77	17.68	13.39	13.49
7/29/2013 5:00	13.47	12.49	14.61	12.28	13.72	12.56	15.1	12.77	17.64	13.4	13.39
7/29/2013 5:10	13.47	12.5	14.61	12.28	13.72	12.56	15.1	12.78	17.69	13.4	13.4
7/29/2013 5:20	13.47	12.5	14.61	12.28	13.72	12.56	15.1	12.78	17.69	13.4	13.28
7/29/2013 5:30	13.47	12.5	14.61	12.29	13.72	12.56	15.1	12.78	17.72	13.4	13.21
7/29/2013 5:40	13.47	12.51	14.61	12.29	13.72	12.56	15.1	12.78	17.72	13.4	13.16
7/29/2013 5:50	13.47	12.51	14.61	12.29	13.72	12.56	15.1	12.78	17.73	13.4	13.18
7/29/2013 6:00	13.47	12.52	14.61	12.3	13.72	12.56	15.1	12.78	17.7	13.4	13.23
7/29/2013 6:10	13.47	12.52	14.61	12.3	13.72	12.56	15.1	12.78	17.72	13.4	13.22

Appendix A - Table 2

Temperature Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)
7/29/2013 6:20	13.47	12.52	14.61	12.3	13.72	12.56	15.1	12.78	17.75	13.4	13.22
7/29/2013 6:30	13.47	12.53	14.62	12.3	13.72	12.56	15.1	12.78	17.71	13.4	13.22
7/29/2013 6:40	13.47	12.53	14.62	12.3	13.72	12.56	15.11	12.78	17.75	13.4	13.26
7/29/2013 6:50	13.47	12.53	14.62	12.31	13.72	12.56	15.11	12.78	17.75	13.4	13.28
7/29/2013 7:00	13.47	12.53	14.62	12.31	13.72	12.56	15.11	12.78	17.76	13.4	13.3
7/29/2013 7:10	13.47	12.54	14.62	12.32	13.72	12.56	15.11	12.78	17.73	13.4	13.33
7/29/2013 7:20	13.47	12.54	14.62	12.32	13.72	12.56	15.11	12.78	17.7	13.39	13.34
7/29/2013 7:30	13.47	12.55	14.62	12.32	13.72	12.56	15.11	12.78	17.72	13.4	13.16
7/29/2013 7:40	13.47	12.55	14.62	12.32	13.72	12.56	15.11	12.78	17.67	13.4	13.08
7/29/2013 7:50	13.47	12.56	14.62	12.33	13.72	12.56	15.11	12.79	17.7	13.4	13.09
7/29/2013 8:00	13.47	12.56	14.62	12.33	13.72	12.56	15.11	12.79	17.7	13.4	13.07
7/29/2013 8:10	13.47	12.56	14.62	12.33	13.72	12.56	15.11	12.79	17.73	13.4	13.07
7/29/2013 8:20	13.47	12.57	14.62	12.33	13.72	12.55	15.11	12.79	17.72	13.39	13.09

Notes:

deg C = degrees centrigrade

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/18/2013 17:00											
7/18/2013 17:10											
7/18/2013 17:20											
7/18/2013 17:30											
7/18/2013 17:40											
7/18/2013 17:50											
7/18/2013 18:00	0.581	0.815							0.609	1.191	
7/18/2013 18:10	0.563	0.786							0.609	1.189	
7/18/2013 18:20	0.558	0.775							0.609	1.188	
7/18/2013 18:30	0.556	0.771							0.609	1.192	
7/18/2013 18:40	0.557	0.766							0.609	1.193	
7/18/2013 18:50	0.555	0.761							0.609	1.188	
7/18/2013 19:00	0.554	0.757	0.567	1.183	0.573	1.114	0.625	1.019	0.61	1.183	
7/18/2013 19:10	0.556	0.753	0.565	1.178	0.528	1.081	0.621	1.013	0.609	1.186	
7/18/2013 19:20	0.555	0.75	0.564	1.171	0.515	1.066	0.619	1.008	0.609	1.183	
7/18/2013 19:30	0.555	0.747	0.562	1.169	0.509	1.054	0.619	1.004	0.609	1.181	
7/18/2013 19:40	0.554	0.745	0.56	1.166	0.508	1.048	0.615	1.003	0.608	1.179	
7/18/2013 19:50	0.554	0.743	0.559	1.164	0.507	1.039	0.614	1.001	0.608	1.178	
7/18/2013 20:00	0.554	0.741	0.558	1.161	0.507	1.032	0.613	0.999	0.608	1.177	
7/18/2013 20:10	0.555	0.74	0.557	1.16	0.515	1.028	0.612	0.998	0.608	1.176	
7/18/2013 20:20	0.553	0.739	0.556	1.158	0.515	1.024	0.611	0.996	0.607	1.175	
7/18/2013 20:30	0.553	0.738	0.555	1.159	0.518	1.021	0.61	0.995	0.607	1.174	
7/18/2013 20:40	0.555	0.737	0.555	1.158	0.514	1.018	0.608	0.994	0.607	1.173	
7/18/2013 20:50	0.56	0.737	0.554	1.155	0.508	1.015	0.607	0.994	0.607	1.171	
7/18/2013 21:00	0.56	0.739	0.553	1.154	0.503	1.012	0.606	0.993	0.607	1.171	
7/18/2013 21:10	0.559	0.741	0.552	1.153	0.499	1.011	0.606	0.994	0.606	1.17	
7/18/2013 21:20	0.557	0.745	0.551	1.152	0.496	1.011	0.605	0.993	0.606	1.17	
7/18/2013 21:30	0.556	0.752	0.551	1.152	0.494	1.01	0.605	0.993	0.606	1.169	
7/18/2013 21:40	0.554	0.759	0.551	1.152	0.493	1.01	0.603	0.993	0.606	1.169	
7/18/2013 21:50	0.554	0.767	0.55	1.152	0.49	1.009	0.602	0.993	0.606	1.168	
7/18/2013 22:00	0.553	0.773	0.549	1.154	0.488	1.009	0.601	0.993	0.607	1.168	
7/18/2013 22:10	0.551	0.778	0.549	1.157	0.486	1.009	0.601	0.993	0.606	1.167	
7/18/2013 22:20	0.551	0.781	0.548	1.16	0.483	1.01	0.6	0.994	0.605	1.167	
7/18/2013 22:30	0.55	0.784	0.548	1.162	0.482	1.01	0.601	0.994	0.606	1.166	
7/18/2013 22:40	0.549	0.787	0.547	1.164	0.48	1.011	0.6	0.994	0.606	1.166	
7/18/2013 22:50	0.548	0.79	0.547	1.165	0.479	1.012	0.599	0.994	0.605	1.166	
7/18/2013 23:00	0.548	0.793	0.546	1.165	0.478	1.013	0.599	0.995	0.606	1.165	
7/18/2013 23:10	0.548	0.796	0.545	1.165	0.478	1.015	0.599	0.995	0.605	1.165	
7/18/2013 23:20	0.547	0.797	0.542	1.165	0.479	1.017	0.599	0.994	0.605	1.164	
7/18/2013 23:30	0.547	0.798	0.551	1.164	0.477	1.019	0.598	0.995	0.606	1.164	
7/18/2013 23:40	0.547	0.799	0.549	1.164	0.477	1.023	0.597	0.995	0.605	1.163	
7/18/2013 23:50	0.545	0.799	0.548	1.163	0.476	1.027	0.597	0.996	0.606	1.163	
7/19/2013 0:00	0.544	0.799	0.546	1.161	0.475	1.032	0.597	0.996	0.606	1.162	

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/19/2013 0:10	0.543	0.798	0.545	1.158	0.475	1.04	0.597	0.996	0.606	1.162	
7/19/2013 0:20	0.543	0.797	0.543	1.157	0.474	1.047	0.596	0.996	0.606	1.162	
7/19/2013 0:30	0.542	0.796	0.542	1.156	0.474	1.055	0.597	0.996	0.605	1.161	
7/19/2013 0:40	0.541	0.796	0.542	1.155	0.473	1.062	0.597	0.995	0.605	1.161	
7/19/2013 0:50	0.542	0.796	0.542	1.154	0.472	1.068	0.596	0.996	0.605	1.16	
7/19/2013 1:00	0.543	0.796	0.546	1.154	0.472	1.072	0.596	0.996	0.606	1.153	
7/19/2013 1:10	0.545	0.796	0.546	1.153	0.471	1.076	0.596	0.996	0.606	1.155	
7/19/2013 1:20	0.545	0.795	0.545	1.152	0.47	1.08	0.596	0.996	0.606	1.157	
7/19/2013 1:30	0.545	0.796	0.544	1.151	0.469	1.082	0.596	0.996	0.605	1.158	
7/19/2013 1:40	0.544	0.798	0.543	1.15	0.469	1.085	0.596	0.996	0.605	1.158	
7/19/2013 1:50	0.542	0.799	0.542	1.153	0.469	1.087	0.596	0.996	0.606	1.157	
7/19/2013 2:00	0.542	0.799	0.541	1.154	0.469	1.087	0.595	0.996	0.605	1.157	
7/19/2013 2:10	0.541	0.8	0.54	1.154	0.469	1.088	0.595	0.996	0.605	1.156	
7/19/2013 2:20	0.541	0.8	0.539	1.155	0.468	1.087	0.595	0.996	0.605	1.151	
7/19/2013 2:30	0.54	0.802	0.539	1.156	0.468	1.086	0.595	0.997	0.605	1.15	
7/19/2013 2:40	0.543	0.801	0.538	1.157	0.468	1.083	0.595	0.997	0.605	1.15	
7/19/2013 2:50	0.542	0.799	0.538	1.155	0.467	1.081	0.595	0.997	0.605	1.15	
7/19/2013 3:00	0.54	0.797	0.537	1.154	0.467	1.077	0.595	0.997	0.605	1.149	
7/19/2013 3:10	0.539	0.795	0.537	1.152	0.467	1.074	0.595	0.997	0.605	1.149	
7/19/2013 3:20	0.539	0.791	0.536	1.149	0.466	1.075	0.595	0.997	0.604	1.148	
7/19/2013 3:30	0.538	0.786	0.536	1.147	0.466	1.069	0.595	0.997	0.604	1.147	
7/19/2013 3:40	0.537	0.779	0.536	1.144	0.465	1.062	0.595	0.997	0.604	1.147	
7/19/2013 3:50	0.538	0.765	0.536	1.142	0.465	1.054	0.595	0.997	0.604	1.147	
7/19/2013 4:00	0.538	0.749	0.536	1.14	0.464	1.046	0.595	0.997	0.603	1.146	
7/19/2013 4:10	0.537	0.736	0.535	1.134	0.464	1.038	0.595	0.997	0.603	1.146	
7/19/2013 4:20	0.537	0.723	0.535	1.124	0.463	1.031	0.594	0.997	0.604	1.146	
7/19/2013 4:30	0.537	0.707	0.535	1.109	0.463	1.026	0.594	0.996	0.603	1.145	
7/19/2013 4:40	0.537	0.698	0.534	1.084	0.463	1.02	0.594	0.996	0.604	1.145	
7/19/2013 4:50	0.539	0.696	0.534	1.058	0.462	1.012	0.595	0.996	0.604	1.145	
7/19/2013 5:00	0.54	0.694	0.534	1.029	0.462	1.002	0.594	0.997	0.603	1.144	
7/19/2013 5:10	0.539	0.685	0.534	0.994	0.461	0.991	0.594	0.996	0.603	1.144	
7/19/2013 5:20	0.538	0.683	0.534	0.951	0.461	0.979	0.594	0.996	0.603	1.144	
7/19/2013 5:30	0.537	0.681	0.534	0.913	0.461	0.966	0.593	0.996	0.603	1.144	
7/19/2013 5:40	0.537	0.672	0.534	0.889	0.46	0.952	0.594	0.996	0.603	1.144	
7/19/2013 5:50	0.536	0.666	0.534	0.868	0.46	0.939	0.593	0.996	0.603	1.144	
7/19/2013 6:00	0.548	0.662	0.534	0.852	0.46	0.925	0.593	0.996	0.603	1.143	
7/19/2013 6:10	0.547	0.66	0.534	0.835	0.46	0.914	0.593	0.993	0.603	1.143	
7/19/2013 6:20	0.544	0.657	0.535	0.816	0.46	0.904	0.593	0.991	0.603	1.143	
7/19/2013 6:30	0.544	0.652	0.536	0.797	0.459	0.895	0.593	0.987	0.603	1.143	
7/19/2013 6:40	0.542	0.645	0.537	0.772	0.459	0.887	0.592	0.984	0.603	1.143	
7/19/2013 6:50	0.542	0.638	0.537	0.753	0.459	0.881	0.591	0.983	0.603	1.143	
7/19/2013 7:00	0.541	0.63	0.537	0.746	0.459	0.876	0.591	0.983	0.603	1.143	
7/19/2013 7:10	0.54	0.624	0.537	0.741	0.458	0.873	0.592	0.983	0.603	1.143	

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/19/2013 7:20	0.54	0.616	0.537	0.735	0.458	0.869	0.591	0.983	0.602	1.143	
7/19/2013 7:30	0.539	0.611	0.537	0.735	0.458	0.866	0.591	0.984	0.603	1.143	
7/19/2013 7:40	0.539	0.609	0.537	0.736	0.458	0.864	0.591	0.984	0.603	1.143	
7/19/2013 7:50	0.539	0.607	0.537	0.738	0.458	0.861	0.591	0.985	0.604	1.142	
7/19/2013 8:00	0.539	0.606	0.536	0.739	0.458	0.86	0.591	0.986	0.604	1.142	
7/19/2013 8:10	0.538	0.604	0.535	0.739	0.458	0.857	0.591	0.987	0.604	1.142	
7/19/2013 8:20	0.538	0.603	0.536	0.738	0.457	0.856	0.591	0.988	0.604	1.142	
7/19/2013 8:30	0.538	0.604	0.535	0.738	0.457	0.855	0.59	0.988	0.604	1.142	
7/19/2013 8:40	0.538	0.606	0.535	0.738	0.457	0.854	0.59	0.988	0.604	1.141	
7/19/2013 8:50	0.538	0.607	0.535	0.739	0.457	0.855	0.59	0.988	0.604	1.141	
7/19/2013 9:00	0.537	0.608	0.535	0.742	0.457	0.854	0.59	0.987	0.604	1.141	
7/19/2013 9:10	0.537	0.611	0.535	0.745	0.456	0.853	0.59	0.986	0.603	1.141	
7/19/2013 9:20	0.537	0.613	0.535	0.749	0.456	0.852	0.59	0.987	0.603	1.141	
7/19/2013 9:30	0.537	0.615	0.536	0.753	0.456	0.851	0.589	0.987	0.603	1.141	
7/19/2013 9:40	0.537	0.617	0.536	0.758	0.456	0.85	0.589	0.986	0.604	1.14	
7/19/2013 9:50	0.537	0.622	0.536	0.763	0.456	0.849	0.589	0.985	0.603	1.14	
7/19/2013 10:00	0.537	0.625	0.536	0.77	0.456	0.849	0.589	0.986	0.604	1.14	
7/19/2013 10:10	0.537	0.628	0.536	0.794	0.455	0.848	0.589	0.986	0.603	1.139	
7/19/2013 10:20	0.537	0.631	0.536	0.812	0.455	0.847	0.589	0.986	0.604	1.139	
7/19/2013 10:30	0.537	0.635	0.536	0.818	0.455	0.846	0.588	0.987	0.603	1.138	
7/19/2013 10:40	0.537	0.639	0.535	0.824	0.455	0.845	0.588	0.988	0.604	1.137	
7/19/2013 10:50	0.537	0.644	0.535	0.83	0.454	0.845	0.588	0.987	0.604	1.137	
7/19/2013 11:00	0.537	0.65	0.535	0.837	0.454	0.844	0.588	0.988	0.604	1.137	
7/19/2013 11:10	0.537	0.658	0.535	0.845	0.454	0.843	0.588	0.989	0.604	1.137	
7/19/2013 11:20	0.537	0.666	0.535	0.858	0.454	0.843	0.588	0.989	0.604	1.138	
7/19/2013 11:30	0.537	0.678	0.535	0.875	0.454	0.842	0.588	0.99	0.604	1.138	
7/19/2013 11:40	0.537	0.691	0.536	0.893	0.454	0.842	0.587	0.991	0.604	1.138	
7/19/2013 11:50	0.537	0.704	0.536	0.911	0.454	0.841	0.587	0.992	0.604	1.138	
7/19/2013 12:00	0.537	0.719	0.536	0.932	0.453	0.842	0.587	0.993	0.605	1.138	
7/19/2013 12:10	0.537	0.734	0.536	0.953	0.453	0.841	0.587	0.993	0.604	1.138	
7/19/2013 12:20	0.537	0.75	0.536	0.977	0.453	0.841	0.587	0.993	0.605	1.138	
7/19/2013 12:30	0.537	0.764	0.537	0.999	0.453	0.842	0.587	0.993	0.604	1.138	
7/19/2013 12:40	0.537	0.775	0.537	1.021	0.453	0.842	0.587	0.994	0.604	1.138	
7/19/2013 12:50	0.537	0.785	0.537	1.04	0.453	0.842	0.587	0.995	0.604	1.138	
7/19/2013 13:00	0.537	0.791	0.537	1.056	0.453	0.843	0.587	0.996	0.605	1.138	
7/19/2013 13:10	0.537	0.795	0.537	1.07	0.453	0.843	0.587	0.997	0.604	1.138	
7/19/2013 13:20	0.537	0.798	0.537	1.081	0.453	0.844	0.587	0.997	0.605	1.138	
7/19/2013 13:30	0.537	0.799	0.537	1.094	0.452	0.848	0.587	0.997	0.605	1.138	
7/19/2013 13:40	0.537	0.797	0.537	1.099	0.452	0.857	0.587	0.997	0.605	1.138	
7/19/2013 13:50	0.537	0.795	0.537	1.108	0.452	0.871	0.586	0.997	0.605	1.138	
7/19/2013 14:00	0.537	0.791	0.537	1.111	0.452	0.891	0.586	0.997	0.606	1.138	
7/19/2013 14:10	0.537	0.787	0.538	1.113	0.452	0.912	0.586	0.996	0.606	1.138	
7/19/2013 14:20	0.537	0.783	0.538	1.115	0.452	0.936	0.586	0.996	0.606	1.138	

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/19/2013 14:30	0.537	0.778	0.538	1.114	0.452	0.96	0.586	0.996	0.606	1.138	
7/19/2013 14:40	0.537	0.774	0.538	1.114	0.452	0.983	0.586	0.996	0.606	1.139	
7/19/2013 14:50	0.537	0.77	0.538	1.113	0.452	1.005	0.586	0.996	0.606	1.139	
7/19/2013 15:00	0.537	0.765	0.538	1.11	0.452	1.026	0.586	0.996	0.606	1.139	
7/19/2013 15:10	0.537	0.763	0.537	1.107	0.453	1.046	0.586	0.996	0.606	1.139	
7/19/2013 15:20	0.537	0.759	0.537	1.103	0.453	1.064	0.586	0.996	0.607	1.139	
7/19/2013 15:30	0.537	0.757	0.537	1.102	0.453	1.082	0.586	0.996	0.606	1.139	
7/19/2013 15:40	0.537	0.754	0.537	1.095	0.453	1.097	0.586	0.996	0.606	1.139	
7/19/2013 15:50	0.537	0.752	0.538	1.089	0.453	1.11	0.586	0.996	0.606	1.139	
7/19/2013 16:00	0.537	0.75	0.538	1.085	0.453	1.122	0.586	0.996	0.606	1.139	
7/19/2013 16:10	0.537	0.749	0.538	1.079	0.453	1.133	0.586	0.995	0.606	1.139	
7/19/2013 16:20	0.537	0.749	0.538	1.075	0.453	1.142	0.585	0.996	0.606	1.139	
7/19/2013 16:30	0.537	0.749	0.538	1.075	0.453	1.15	0.585	0.996	0.606	1.139	30
7/19/2013 16:40	0.537	0.749	0.538	1.072	0.453	1.156	0.585	0.996	0.606	1.139	30
7/19/2013 16:50	0.537	0.75	0.538	1.07	0.453	1.161	0.585	0.996	0.606	1.139	30
7/19/2013 17:00	0.537	0.749	0.538	1.069	0.453	1.165	0.585	0.996	0.607	1.139	30
7/19/2013 17:10	0.537	0.75	0.538	1.067	0.453	1.168	0.585	0.996	0.606	1.139	30
7/19/2013 17:20	0.537	0.749	0.538	1.066	0.453	1.173	0.585	0.996	0.606	1.139	30
7/19/2013 17:30	0.537	0.75	0.539	1.065	0.453	1.173	0.585	0.996	0.606	1.139	30
7/19/2013 17:40	0.537	0.751	0.539	1.065	0.453	1.174	0.585	0.996	0.606	1.139	30
7/19/2013 17:50	0.537	0.752	0.539	1.064	0.453	1.173	0.585	0.996	0.606	1.139	30
7/19/2013 18:00	0.538	0.751	0.539	1.065	0.453	1.172	0.585	0.997	0.606	1.139	30
7/19/2013 18:10	0.538	0.752	0.539	1.065	0.453	1.17	0.585	0.996	0.606	1.139	30
7/19/2013 18:20	0.538	0.753	0.539	1.064	0.453	1.167	0.586	0.996	0.605	1.14	30
7/19/2013 18:30	0.538	0.753	0.539	1.064	0.454	1.164	0.586	0.996	0.605	1.14	30
7/19/2013 18:40	0.538	0.753	0.539	1.064	0.454	1.161	0.586	0.996	0.606	1.14	30
7/19/2013 18:50	0.538	0.752	0.539	1.064	0.454	1.157	0.586	0.996	0.605	1.14	30
7/19/2013 19:00	0.538	0.752	0.539	1.064	0.454	1.153	0.586	0.996	0.606	1.14	30
7/19/2013 19:10	0.538	0.75	0.539	1.063	0.454	1.147	0.586	0.996	0.606	1.141	30
7/19/2013 19:20	0.538	0.749	0.539	1.063	0.454	1.14	0.586	0.995	0.606	1.141	30
7/19/2013 19:30	0.537	0.747	0.54	1.063	0.454	1.132	0.586	0.996	0.606	1.141	30
7/19/2013 19:40	0.538	0.745	0.54	1.062	0.454	1.124	0.585	0.996	0.606	1.141	30
7/19/2013 19:50	0.538	0.741	0.54	1.062	0.454	1.116	0.585	0.996	0.606	1.141	30
7/19/2013 20:00	0.538	0.737	0.54	1.062	0.454	1.107	0.585	0.996	0.606	1.141	30
7/19/2013 20:10	0.538	0.733	0.54	1.061	0.454	1.098	0.584	0.996	0.606	1.141	30
7/19/2013 20:20	0.537	0.731	0.54	1.06	0.454	1.09	0.584	0.995	0.605	1.141	30
7/19/2013 20:30	0.537	0.729	0.54	1.06	0.454	1.083	0.584	0.995	0.605	1.141	30
7/19/2013 20:40	0.537	0.727	0.54	1.06	0.454	1.076	0.585	0.995	0.605	1.141	30
7/19/2013 20:50	0.537	0.724	0.54	1.06	0.454	1.068	0.585	0.995	0.605	1.141	30
7/19/2013 21:00	0.537	0.721	0.54	1.06	0.454	1.06	0.585	0.996	0.606	1.141	30
7/19/2013 21:10	0.537	0.717	0.54	1.06	0.454	1.05	0.585	0.996	0.605	1.141	30
7/19/2013 21:20	0.537	0.712	0.54	1.06	0.453	1.041	0.585	0.995	0.606	1.141	30
7/19/2013 21:30	0.537	0.709	0.54	1.06	0.453	1.033	0.585	0.996	0.606	1.141	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/19/2013 21:40	0.537	0.709	0.54	1.06	0.453	1.024	0.585	0.996	0.606	1.141	30
7/19/2013 21:50	0.537	0.712	0.54	1.06	0.453	1.018	0.585	0.996	0.606	1.141	30
7/19/2013 22:00	0.537	0.716	0.54	1.06	0.453	1.013	0.585	0.996	0.606	1.141	30
7/19/2013 22:10	0.537	0.72	0.54	1.06	0.453	1.008	0.585	0.996	0.606	1.141	30
7/19/2013 22:20	0.537	0.722	0.54	1.06	0.453	1.005	0.585	0.996	0.606	1.141	30
7/19/2013 22:30	0.537	0.725	0.54	1.06	0.453	1.003	0.585	0.996	0.606	1.141	30
7/19/2013 22:40	0.537	0.733	0.54	1.06	0.453	1.001	0.585	0.997	0.606	1.141	30
7/19/2013 22:50	0.537	0.741	0.54	1.06	0.453	1.001	0.585	0.997	0.606	1.141	30
7/19/2013 23:00	0.537	0.752	0.54	1.06	0.453	1.002	0.585	0.998	0.606	1.142	30
7/19/2013 23:10	0.537	0.76	0.54	1.059	0.453	1.003	0.585	0.998	0.606	1.141	30
7/19/2013 23:20	0.537	0.765	0.54	1.058	0.453	1.006	0.585	0.998	0.606	1.142	30
7/19/2013 23:30	0.537	0.772	0.54	1.059	0.452	1.01	0.584	0.999	0.606	1.142	30
7/19/2013 23:40	0.537	0.778	0.54	1.059	0.452	1.014	0.584	0.999	0.606	1.142	30
7/19/2013 23:50	0.537	0.783	0.54	1.059	0.452	1.02	0.584	1	0.606	1.142	30
7/20/2013 0:00	0.537	0.785	0.54	1.06	0.452	1.025	0.584	1.001	0.607	1.142	30
7/20/2013 0:10	0.537	0.787	0.54	1.059	0.452	1.03	0.584	0.999	0.606	1.142	30
7/20/2013 0:20	0.537	0.79	0.54	1.061	0.452	1.034	0.584	0.999	0.606	1.142	30
7/20/2013 0:30	0.537	0.792	0.54	1.065	0.452	1.037	0.584	0.999	0.606	1.142	30
7/20/2013 0:40	0.537	0.794	0.541	1.068	0.452	1.041	0.584	0.999	0.606	1.142	30
7/20/2013 0:50	0.537	0.795	0.541	1.071	0.452	1.046	0.584	1	0.606	1.142	30
7/20/2013 1:00	0.537	0.795	0.541	1.073	0.452	1.052	0.585	1	0.606	1.142	30
7/20/2013 1:10	0.536	0.796	0.541	1.075	0.452	1.057	0.585	1	0.606	1.142	30
7/20/2013 1:20	0.536	0.796	0.541	1.076	0.452	1.063	0.585	1	0.606	1.142	30
7/20/2013 1:30	0.536	0.796	0.541	1.078	0.452	1.067	0.585	1	0.606	1.142	30
7/20/2013 1:40	0.536	0.796	0.541	1.079	0.451	1.074	0.585	1.001	0.606	1.142	30
7/20/2013 1:50	0.536	0.796	0.541	1.081	0.451	1.078	0.585	1.001	0.606	1.142	30
7/20/2013 2:00	0.536	0.795	0.541	1.082	0.451	1.083	0.585	1.002	0.606	1.142	30
7/20/2013 2:10	0.536	0.796	0.541	1.083	0.451	1.087	0.585	1.001	0.606	1.142	30
7/20/2013 2:20	0.536	0.796	0.541	1.085	0.451	1.09	0.585	1.002	0.606	1.142	30
7/20/2013 2:30	0.536	0.796	0.541	1.085	0.451	1.093	0.585	1.002	0.606	1.142	30
7/20/2013 2:40	0.536	0.798	0.541	1.086	0.451	1.095	0.585	1.002	0.606	1.142	30
7/20/2013 2:50	0.536	0.799	0.541	1.087	0.451	1.097	0.585	1.002	0.606	1.142	30
7/20/2013 3:00	0.536	0.8	0.541	1.087	0.451	1.099	0.585	1.003	0.606	1.142	30
7/20/2013 3:10	0.536	0.801	0.541	1.086	0.451	1.098	0.585	1.002	0.606	1.142	30
7/20/2013 3:20	0.536	0.801	0.541	1.086	0.45	1.097	0.585	1.002	0.606	1.142	30
7/20/2013 3:30	0.536	0.802	0.541	1.085	0.45	1.096	0.585	1.002	0.606	1.142	30
7/20/2013 3:40	0.536	0.802	0.54	1.082	0.45	1.094	0.585	1.002	0.606	1.142	30
7/20/2013 3:50	0.536	0.801	0.54	1.077	0.45	1.091	0.585	1.003	0.606	1.142	30
7/20/2013 4:00	0.536	0.799	0.541	1.07	0.45	1.089	0.585	1.004	0.606	1.142	30
7/20/2013 4:10	0.536	0.796	0.541	1.058	0.45	1.085	0.584	1.003	0.605	1.142	30
7/20/2013 4:20	0.536	0.792	0.541	1.054	0.45	1.081	0.583	1.003	0.606	1.142	30
7/20/2013 4:30	0.536	0.784	0.541	1.053	0.45	1.075	0.583	1.002	0.605	1.142	30
7/20/2013 4:40	0.536	0.772	0.541	1.052	0.45	1.069	0.582	1.002	0.604	1.142	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/20/2013 4:50	0.536	0.758	0.541	1.052	0.45	1.063	0.582	1.002	0.604	1.142	30
7/20/2013 5:00	0.536	0.744	0.541	1.052	0.45	1.057	0.582	1.002	0.604	1.142	30
7/20/2013 5:10	0.536	0.732	0.541	1.052	0.45	1.05	0.581	1.001	0.604	1.142	30
7/20/2013 5:20	0.536	0.72	0.541	1.051	0.45	1.044	0.581	1.001	0.604	1.143	30
7/20/2013 5:30	0.536	0.703	0.541	1.051	0.45	1.038	0.581	1.001	0.604	1.143	30
7/20/2013 5:40	0.536	0.697	0.541	1.05	0.45	1.031	0.581	1.001	0.604	1.143	30
7/20/2013 5:50	0.536	0.692	0.541	1.05	0.45	1.021	0.581	1.001	0.604	1.143	30
7/20/2013 6:00	0.536	0.678	0.541	1.05	0.45	1.006	0.581	1.001	0.604	1.143	30
7/20/2013 6:10	0.536	0.669	0.541	1.05	0.45	0.988	0.581	1	0.604	1.143	30
7/20/2013 6:20	0.536	0.665	0.541	1.048	0.45	0.973	0.581	1	0.604	1.143	30
7/20/2013 6:30	0.536	0.664	0.541	1.043	0.45	0.958	0.581	1	0.604	1.143	30
7/20/2013 6:40	0.536	0.663	0.541	1.033	0.45	0.944	0.581	0.999	0.604	1.143	30
7/20/2013 6:50	0.536	0.662	0.541	1.018	0.45	0.931	0.581	0.999	0.604	1.143	30
7/20/2013 7:00	0.536	0.661	0.54	0.995	0.45	0.92	0.581	1	0.604	1.142	30
7/20/2013 7:10	0.536	0.659	0.54	0.966	0.45	0.91	0.581	0.999	0.604	1.142	30
7/20/2013 7:20	0.536	0.653	0.54	0.933	0.449	0.902	0.581	0.998	0.604	1.142	30
7/20/2013 7:30	0.536	0.647	0.54	0.905	0.449	0.895	0.581	0.998	0.604	1.142	30
7/20/2013 7:40	0.537	0.642	0.54	0.878	0.449	0.889	0.581	0.997	0.604	1.142	30
7/20/2013 7:50	0.537	0.635	0.54	0.853	0.449	0.883	0.581	0.997	0.604	1.142	30
7/20/2013 8:00	0.537	0.628	0.54	0.829	0.449	0.877	0.581	0.998	0.604	1.141	30
7/20/2013 8:10	0.537	0.621	0.54	0.812	0.449	0.873	0.581	0.995	0.604	1.141	30
7/20/2013 8:20	0.537	0.616	0.54	0.8	0.449	0.869	0.581	0.994	0.604	1.141	30
7/20/2013 8:30	0.537	0.613	0.54	0.79	0.449	0.865	0.581	0.992	0.603	1.141	30
7/20/2013 8:40	0.537	0.61	0.54	0.779	0.449	0.863	0.581	0.992	0.603	1.141	30
7/20/2013 8:50	0.537	0.607	0.54	0.771	0.449	0.861	0.581	0.995	0.603	1.14	30
7/20/2013 9:00	0.537	0.606	0.54	0.762	0.449	0.859	0.581	0.998	0.604	1.14	30
7/20/2013 9:10	0.537	0.605	0.54	0.754	0.449	0.856	0.581	0.998	0.603	1.14	30
7/20/2013 9:20	0.537	0.605	0.54	0.745	0.449	0.855	0.581	0.999	0.603	1.139	30
7/20/2013 9:30	0.537	0.606	0.54	0.739	0.449	0.853	0.581	0.998	0.603	1.139	30
7/20/2013 9:40	0.537	0.607	0.54	0.735	0.449	0.852	0.581	0.998	0.603	1.139	30
7/20/2013 9:50	0.537	0.608	0.54	0.73	0.449	0.851	0.581	0.998	0.603	1.139	30
7/20/2013 10:00	0.537	0.609	0.54	0.727	0.449	0.851	0.581	1	0.603	1.139	30
7/20/2013 10:10	0.537	0.611	0.54	0.724	0.449	0.851	0.58	0.999	0.603	1.138	30
7/20/2013 10:20	0.537	0.613	0.54	0.724	0.449	0.85	0.581	0.998	0.603	1.138	30
7/20/2013 10:30	0.537	0.615	0.54	0.724	0.449	0.85	0.581	0.998	0.603	1.138	30
7/20/2013 10:40	0.537	0.616	0.54	0.725	0.449	0.849	0.581	0.998	0.603	1.138	30
7/20/2013 10:50	0.537	0.619	0.54	0.728	0.449	0.848	0.581	0.997	0.603	1.137	30
7/20/2013 11:00	0.537	0.622	0.54	0.731	0.449	0.848	0.581	0.997	0.603	1.137	30
7/20/2013 11:10	0.537	0.625	0.54	0.739	0.449	0.847	0.581	0.996	0.603	1.137	30
7/20/2013 11:20	0.537	0.63	0.54	0.758	0.449	0.846	0.581	0.996	0.603	1.137	30
7/20/2013 11:30	0.537	0.635	0.54	0.791	0.449	0.845	0.581	0.997	0.603	1.137	30
7/20/2013 11:40	0.537	0.641	0.54	0.832	0.449	0.844	0.581	0.996	0.603	1.136	30
7/20/2013 11:50	0.537	0.646	0.54	0.842	0.449	0.843	0.581	0.998	0.603	1.136	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/20/2013 12:00	0.537	0.652	0.54	0.852	0.449	0.843	0.581	0.999	0.603	1.136	30
7/20/2013 12:10	0.537	0.661	0.54	0.865	0.449	0.842	0.581	1	0.602	1.136	30
7/20/2013 12:20	0.537	0.675	0.54	0.886	0.449	0.842	0.581	1.002	0.602	1.136	30
7/20/2013 12:30	0.537	0.689	0.54	0.905	0.449	0.841	0.581	1.002	0.602	1.136	30
7/20/2013 12:40	0.537	0.706	0.54	0.926	0.449	0.841	0.581	1.003	0.602	1.136	30
7/20/2013 12:50	0.537	0.723	0.54	0.95	0.449	0.841	0.581	1.004	0.602	1.136	30
7/20/2013 13:00	0.537	0.741	0.54	0.977	0.449	0.842	0.581	1.005	0.602	1.136	30
7/20/2013 13:10	0.537	0.758	0.54	1.001	0.449	0.844	0.581	1.004	0.602	1.136	30
7/20/2013 13:20	0.537	0.773	0.54	1.026	0.449	0.845	0.581	1.004	0.602	1.136	30
7/20/2013 13:30	0.537	0.785	0.54	1.053	0.449	0.845	0.581	1.004	0.601	1.136	30
7/20/2013 13:40	0.537	0.794	0.54	1.079	0.45	0.846	0.581	1.004	0.602	1.136	30
7/20/2013 13:50	0.537	0.799	0.54	1.099	0.45	0.846	0.581	1.003	0.601	1.136	30
7/20/2013 14:00	0.537	0.804	0.54	1.115	0.45	0.847	0.58	1.003	0.602	1.136	30
7/20/2013 14:10	0.537	0.803	0.54	1.129	0.45	0.85	0.58	1.002	0.601	1.136	30
7/20/2013 14:20	0.537	0.802	0.54	1.138	0.45	0.858	0.58	1.002	0.602	1.137	30
7/20/2013 14:30	0.537	0.8	0.54	1.147	0.45	0.871	0.58	1.002	0.601	1.137	30
7/20/2013 14:40	0.537	0.795	0.54	1.153	0.45	0.89	0.58	1.002	0.601	1.137	30
7/20/2013 14:50	0.537	0.791	0.54	1.158	0.45	0.915	0.58	1.002	0.601	1.137	30
7/20/2013 15:00	0.537	0.786	0.54	1.162	0.45	0.944	0.579	1.003	0.601	1.137	30
7/20/2013 15:10	0.537	0.78	0.54	1.162	0.45	0.973	0.579	1.003	0.601	1.137	30
7/20/2013 15:20	0.537	0.777	0.54	1.163	0.45	1.001	0.58	1.003	0.601	1.138	30
7/20/2013 15:30	0.537	0.77	0.54	1.162	0.45	1.028	0.58	1.003	0.601	1.138	30
7/20/2013 15:40	0.537	0.766	0.54	1.161	0.45	1.054	0.58	1.003	0.6	1.138	30
7/20/2013 15:50	0.537	0.762	0.54	1.16	0.45	1.079	0.58	1.003	0.601	1.138	30
7/20/2013 16:00	0.537	0.76	0.54	1.159	0.45	1.103	0.58	1.003	0.601	1.138	30
7/20/2013 16:10	0.537	0.757	0.541	1.157	0.45	1.123	0.58	1.003	0.601	1.139	30
7/20/2013 16:20	0.537	0.753	0.541	1.156	0.45	1.141	0.58	1.004	0.6	1.139	30
7/20/2013 16:30	0.537	0.751	0.541	1.154	0.45	1.158	0.58	1.004	0.6	1.139	30
7/20/2013 16:40	0.537	0.748	0.541	1.152	0.45	1.173	0.58	1.004	0.601	1.139	30
7/20/2013 16:50	0.537	0.745	0.541	1.149	0.45	1.185	0.58	1.005	0.6	1.139	30
7/20/2013 17:00	0.537	0.743	0.541	1.147	0.45	1.195	0.579	1.006	0.6	1.139	30
7/20/2013 17:10	0.537	0.741	0.541	1.144	0.45	1.204	0.579	1.005	0.6	1.139	30
7/20/2013 17:20	0.537	0.74	0.541	1.142	0.45	1.211	0.58	1.006	0.6	1.139	30
7/20/2013 17:30	0.537	0.738	0.541	1.136	0.45	1.215	0.58	1.006	0.6	1.139	30
7/20/2013 17:40	0.537	0.737	0.541	1.121	0.45	1.22	0.58	1.005	0.6	1.139	30
7/20/2013 17:50	0.537	0.735	0.541	1.109	0.45	1.22	0.58	1.007	0.6	1.139	30
7/20/2013 18:00	0.537	0.735	0.541	1.106	0.45	1.222	0.58	1.008	0.6	1.139	30
7/20/2013 18:10	0.537	0.735	0.541	1.104	0.45	1.221	0.58	1.007	0.6	1.139	30
7/20/2013 18:20	0.536	0.734	0.542	1.103	0.45	1.221	0.58	1.007	0.6	1.139	30
7/20/2013 18:30	0.536	0.734	0.542	1.102	0.45	1.22	0.58	1.008	0.6	1.139	30
7/20/2013 18:40	0.536	0.735	0.542	1.101	0.45	1.219	0.58	1.008	0.6	1.139	30
7/20/2013 18:50	0.536	0.737	0.542	1.101	0.45	1.218	0.58	1.007	0.6	1.139	30
7/20/2013 19:00	0.536	0.739	0.542	1.1	0.45	1.216	0.58	1.008	0.6	1.139	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
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Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/20/2013 19:10	0.537	0.74	0.542	1.099	0.45	1.213	0.58	1.007	0.6	1.139	30
7/20/2013 19:20	0.537	0.74	0.542	1.098	0.45	1.21	0.58	1.008	0.599	1.139	30
7/20/2013 19:30	0.537	0.741	0.542	1.097	0.45	1.207	0.58	1.008	0.599	1.139	30
7/20/2013 19:40	0.537	0.741	0.542	1.097	0.45	1.204	0.58	1.008	0.6	1.139	30
7/20/2013 19:50	0.537	0.74	0.542	1.097	0.45	1.199	0.58	1.008	0.599	1.139	30
7/20/2013 20:00	0.537	0.738	0.542	1.097	0.45	1.194	0.58	1.008	0.6	1.139	30
7/20/2013 20:10	0.537	0.737	0.542	1.096	0.45	1.188	0.58	1.007	0.599	1.14	30
7/20/2013 20:20	0.537	0.735	0.542	1.096	0.45	1.184	0.58	1.007	0.599	1.14	30
7/20/2013 20:30	0.537	0.731	0.542	1.095	0.45	1.177	0.58	1.006	0.6	1.14	30
7/20/2013 20:40	0.537	0.726	0.542	1.094	0.45	1.17	0.58	1.006	0.6	1.14	30
7/20/2013 20:50	0.537	0.722	0.542	1.094	0.45	1.161	0.58	1.006	0.6	1.14	30
7/20/2013 21:00	0.537	0.715	0.542	1.094	0.45	1.152	0.58	1.006	0.6	1.14	30
7/20/2013 21:10	0.537	0.694	0.542	1.093	0.45	1.141	0.58	1.005	0.6	1.14	30
7/20/2013 21:20	0.537	0.69	0.542	1.092	0.45	1.131	0.58	1.005	0.599	1.14	30
7/20/2013 21:30	0.537	0.689	0.542	1.092	0.45	1.121	0.58	1.005	0.6	1.14	30
7/20/2013 21:40	0.537	0.688	0.542	1.092	0.45	1.107	0.581	1.005	0.6	1.14	30
7/20/2013 21:50	0.537	0.688	0.542	1.091	0.45	1.093	0.581	1.004	0.6	1.141	30
7/20/2013 22:00	0.537	0.687	0.543	1.091	0.45	1.079	0.581	1.005	0.6	1.141	30
7/20/2013 22:10	0.537	0.687	0.543	1.091	0.45	1.065	0.581	1.004	0.599	1.141	30
7/20/2013 22:20	0.537	0.686	0.543	1.091	0.45	1.053	0.581	1.004	0.6	1.141	30
7/20/2013 22:30	0.537	0.686	0.544	1.091	0.45	1.043	0.581	1.004	0.6	1.142	30
7/20/2013 22:40	0.537	0.685	0.544	1.091	0.45	1.034	0.581	1.004	0.6	1.142	30
7/20/2013 22:50	0.537	0.685	0.544	1.09	0.45	1.027	0.582	1.004	0.599	1.143	30
7/20/2013 23:00	0.537	0.684	0.544	1.091	0.45	1.021	0.582	1.004	0.6	1.143	30
7/20/2013 23:10	0.537	0.684	0.545	1.09	0.45	1.016	0.582	1.004	0.6	1.143	30
7/20/2013 23:20	0.537	0.684	0.545	1.09	0.449	1.012	0.582	1.004	0.6	1.144	30
7/20/2013 23:30	0.537	0.685	0.545	1.09	0.449	1.009	0.582	1.004	0.599	1.144	30
7/20/2013 23:40	0.537	0.696	0.545	1.09	0.449	1.007	0.582	1.004	0.599	1.144	30
7/20/2013 23:50	0.537	0.71	0.545	1.09	0.449	1.006	0.582	1.005	0.599	1.144	30
7/21/2013 0:00	0.537	0.724	0.545	1.089	0.449	1.006	0.582	1.005	0.6	1.144	30
7/21/2013 0:10	0.537	0.736	0.546	1.088	0.449	1.006	0.582	1.005	0.599	1.143	30
7/21/2013 0:20	0.538	0.748	0.546	1.087	0.449	1.009	0.582	1.005	0.599	1.143	30
7/21/2013 0:30	0.538	0.755	0.546	1.086	0.449	1.013	0.582	1.005	0.599	1.143	30
7/21/2013 0:40	0.538	0.765	0.546	1.086	0.449	1.017	0.582	1.005	0.599	1.143	30
7/21/2013 0:50	0.538	0.771	0.546	1.086	0.449	1.022	0.583	1.006	0.6	1.143	30
7/21/2013 1:00	0.538	0.779	0.546	1.086	0.449	1.028	0.583	1.007	0.6	1.143	30
7/21/2013 1:10	0.538	0.785	0.546	1.085	0.449	1.034	0.582	1.006	0.599	1.143	30
7/21/2013 1:20	0.538	0.788	0.546	1.084	0.449	1.042	0.582	1.006	0.599	1.143	30
7/21/2013 1:30	0.538	0.792	0.546	1.085	0.449	1.05	0.582	1.007	0.6	1.143	30
7/21/2013 1:40	0.538	0.794	0.546	1.086	0.449	1.058	0.582	1.006	0.6	1.143	30
7/21/2013 1:50	0.538	0.795	0.547	1.087	0.449	1.066	0.582	1.006	0.599	1.143	30
7/21/2013 2:00	0.538	0.795	0.547	1.091	0.449	1.074	0.582	1.007	0.6	1.143	30
7/21/2013 2:10	0.538	0.793	0.547	1.095	0.449	1.082	0.582	1.006	0.6	1.143	30

Appendix A - Table 3

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Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/21/2013 2:20	0.538	0.792	0.547	1.099	0.449	1.09	0.582	1.006	0.599	1.143	30
7/21/2013 2:30	0.538	0.791	0.547	1.102	0.449	1.096	0.582	1.007	0.599	1.143	30
7/21/2013 2:40	0.538	0.79	0.547	1.104	0.449	1.102	0.582	1.007	0.6	1.143	30
7/21/2013 2:50	0.538	0.789	0.547	1.105	0.449	1.108	0.582	1.007	0.6	1.143	30
7/21/2013 3:00	0.538	0.789	0.547	1.107	0.449	1.111	0.582	1.007	0.6	1.144	30
7/21/2013 3:10	0.538	0.789	0.547	1.108	0.449	1.115	0.582	1.007	0.599	1.144	30
7/21/2013 3:20	0.538	0.788	0.547	1.109	0.449	1.119	0.582	1.007	0.599	1.144	30
7/21/2013 3:30	0.538	0.789	0.547	1.109	0.448	1.12	0.582	1.007	0.599	1.144	30
7/21/2013 3:40	0.538	0.789	0.547	1.111	0.448	1.121	0.582	1.007	0.6	1.144	30
7/21/2013 3:50	0.538	0.789	0.547	1.112	0.448	1.122	0.582	1.008	0.599	1.144	30
7/21/2013 4:00	0.538	0.79	0.547	1.113	0.448	1.122	0.582	1.008	0.6	1.144	30
7/21/2013 4:10	0.538	0.791	0.547	1.113	0.448	1.122	0.582	1.007	0.599	1.145	30
7/21/2013 4:20	0.538	0.791	0.547	1.113	0.448	1.121	0.582	1.007	0.599	1.145	30
7/21/2013 4:30	0.538	0.792	0.547	1.112	0.448	1.118	0.582	1.006	0.599	1.145	30
7/21/2013 4:40	0.538	0.792	0.548	1.109	0.448	1.116	0.583	1.006	0.599	1.145	30
7/21/2013 4:50	0.538	0.791	0.548	1.104	0.448	1.113	0.582	1.006	0.599	1.145	30
7/21/2013 5:00	0.538	0.79	0.548	1.094	0.448	1.11	0.583	1.006	0.6	1.145	30
7/21/2013 5:10	0.538	0.787	0.548	1.082	0.448	1.106	0.583	1.007	0.599	1.145	30
7/21/2013 5:20	0.538	0.782	0.548	1.08	0.448	1.101	0.583	1.007	0.599	1.145	30
7/21/2013 5:30	0.538	0.776	0.548	1.079	0.448	1.095	0.583	1.007	0.599	1.145	30
7/21/2013 5:40	0.538	0.763	0.548	1.078	0.448	1.09	0.583	1.007	0.599	1.145	30
7/21/2013 5:50	0.538	0.748	0.548	1.078	0.448	1.084	0.583	1.006	0.599	1.145	30
7/21/2013 6:00	0.538	0.734	0.549	1.078	0.448	1.078	0.583	1.007	0.6	1.145	30
7/21/2013 6:10	0.538	0.723	0.549	1.076	0.448	1.071	0.583	1.006	0.599	1.145	30
7/21/2013 6:20	0.538	0.711	0.549	1.076	0.448	1.064	0.583	1.006	0.599	1.144	30
7/21/2013 6:30	0.538	0.695	0.549	1.076	0.448	1.057	0.583	1.006	0.599	1.144	30
7/21/2013 6:40	0.538	0.691	0.549	1.076	0.447	1.047	0.583	1.006	0.599	1.144	30
7/21/2013 6:50	0.538	0.688	0.549	1.075	0.447	1.03	0.583	1.006	0.599	1.144	30
7/21/2013 7:00	0.539	0.686	0.549	1.075	0.447	1.01	0.583	1.006	0.6	1.144	30
7/21/2013 7:10	0.539	0.673	0.549	1.075	0.447	0.991	0.583	1.006	0.599	1.144	30
7/21/2013 7:20	0.539	0.668	0.549	1.074	0.447	0.976	0.583	1.006	0.599	1.144	30
7/21/2013 7:30	0.539	0.667	0.549	1.067	0.447	0.961	0.583	1.005	0.599	1.144	30
7/21/2013 7:40	0.539	0.666	0.549	1.051	0.447	0.947	0.583	1.005	0.599	1.144	30
7/21/2013 7:50	0.539	0.664	0.549	1.032	0.447	0.934	0.583	1.005	0.599	1.143	30
7/21/2013 8:00	0.539	0.661	0.549	1.006	0.447	0.925	0.583	1.005	0.599	1.143	30
7/21/2013 8:10	0.539	0.656	0.549	0.971	0.447	0.916	0.583	1.004	0.599	1.143	30
7/21/2013 8:20	0.539	0.65	0.549	0.938	0.447	0.908	0.583	1.004	0.599	1.142	30
7/21/2013 8:30	0.539	0.644	0.549	0.906	0.447	0.902	0.583	1.003	0.599	1.141	30
7/21/2013 8:40	0.539	0.64	0.549	0.88	0.447	0.895	0.583	1.002	0.599	1.141	30
7/21/2013 8:50	0.539	0.634	0.549	0.853	0.447	0.889	0.583	1.001	0.599	1.14	30
7/21/2013 9:00	0.539	0.628	0.549	0.832	0.447	0.885	0.583	1.001	0.6	1.14	30
7/21/2013 9:10	0.539	0.623	0.549	0.817	0.447	0.881	0.583	0.999	0.599	1.139	30
7/21/2013 9:20	0.539	0.62	0.549	0.805	0.447	0.877	0.583	0.998	0.599	1.139	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/21/2013 9:30	0.539	0.618	0.549	0.794	0.447	0.874	0.583	0.996	0.599	1.139	30
7/21/2013 9:40	0.539	0.615	0.549	0.783	0.447	0.871	0.583	0.996	0.599	1.139	30
7/21/2013 9:50	0.539	0.614	0.549	0.774	0.447	0.868	0.582	0.997	0.599	1.138	30
7/21/2013 10:00	0.539	0.612	0.549	0.765	0.447	0.864	0.582	1.001	0.599	1.138	30
7/21/2013 10:10	0.539	0.611	0.549	0.757	0.447	0.861	0.582	1	0.599	1.137	30
7/21/2013 10:20	0.539	0.61	0.55	0.749	0.447	0.859	0.582	1.003	0.599	1.137	30
7/21/2013 10:30	0.539	0.609	0.55	0.743	0.447	0.857	0.582	1.005	0.599	1.137	30
7/21/2013 10:40	0.539	0.609	0.55	0.738	0.447	0.855	0.582	1.005	0.599	1.137	30
7/21/2013 10:50	0.539	0.611	0.55	0.734	0.447	0.854	0.582	1.005	0.599	1.136	30
7/21/2013 11:00	0.539	0.612	0.55	0.731	0.447	0.853	0.582	1.004	0.599	1.136	30
7/21/2013 11:10	0.539	0.614	0.55	0.729	0.447	0.851	0.582	1.004	0.599	1.135	30
7/21/2013 11:20	0.539	0.615	0.55	0.728	0.447	0.85	0.581	1.004	0.599	1.135	30
7/21/2013 11:30	0.539	0.618	0.55	0.728	0.447	0.849	0.581	1.003	0.599	1.135	30
7/21/2013 11:40	0.539	0.621	0.55	0.729	0.447	0.848	0.581	1.003	0.599	1.134	30
7/21/2013 11:50	0.539	0.625	0.55	0.732	0.447	0.847	0.581	1.003	0.599	1.134	30
7/21/2013 12:00	0.539	0.629	0.55	0.736	0.447	0.847	0.581	1.004	0.599	1.134	30
7/21/2013 12:10	0.539	0.633	0.55	0.748	0.447	0.846	0.581	1.003	0.599	1.134	30
7/21/2013 12:20	0.539	0.638	0.55	0.773	0.447	0.846	0.581	1.004	0.598	1.133	30
7/21/2013 12:30	0.539	0.643	0.55	0.809	0.447	0.846	0.581	1.004	0.599	1.133	30
7/21/2013 12:40	0.539	0.65	0.55	0.842	0.447	0.846	0.58	1.005	0.599	1.133	30
7/21/2013 12:50	0.539	0.657	0.55	0.861	0.447	0.846	0.58	1.006	0.598	1.133	30
7/21/2013 13:00	0.539	0.666	0.55	0.879	0.447	0.846	0.58	1.007	0.598	1.132	30
7/21/2013 13:10	0.539	0.679	0.55	0.898	0.447	0.845	0.58	1.008	0.598	1.132	30
7/21/2013 13:20	0.539	0.695	0.55	0.921	0.448	0.845	0.58	1.009	0.598	1.132	30
7/21/2013 13:30	0.539	0.713	0.55	0.941	0.448	0.846	0.58	1.009	0.598	1.132	30
7/21/2013 13:40	0.539	0.732	0.55	0.966	0.448	0.846	0.58	1.01	0.598	1.132	30
7/21/2013 13:50	0.539	0.751	0.55	0.994	0.448	0.846	0.58	1.01	0.598	1.132	30
7/21/2013 14:00	0.539	0.769	0.55	1.029	0.448	0.847	0.58	1.011	0.598	1.132	30
7/21/2013 14:10	0.539	0.783	0.55	1.059	0.448	0.847	0.58	1.01	0.598	1.132	30
7/21/2013 14:20	0.539	0.794	0.55	1.09	0.448	0.847	0.58	1.01	0.597	1.132	30
7/21/2013 14:30	0.539	0.799	0.55	1.112	0.448	0.848	0.58	1.009	0.598	1.132	30
7/21/2013 14:40	0.54	0.804	0.55	1.134	0.448	0.849	0.58	1.009	0.598	1.132	30
7/21/2013 14:50	0.54	0.806	0.55	1.151	0.449	0.851	0.58	1.008	0.598	1.133	30
7/21/2013 15:00	0.539	0.805	0.55	1.165	0.449	0.857	0.579	1.008	0.598	1.133	30
7/21/2013 15:10	0.539	0.802	0.55	1.175	0.449	0.869	0.579	1.007	0.598	1.134	30
7/21/2013 15:20	0.539	0.797	0.55	1.182	0.449	0.888	0.579	1.007	0.598	1.134	30
7/21/2013 15:30	0.539	0.79	0.55	1.187	0.449	0.913	0.579	1.007	0.597	1.134	30
7/21/2013 15:40	0.539	0.786	0.55	1.189	0.449	0.944	0.579	1.007	0.598	1.134	30
7/21/2013 15:50	0.539	0.78	0.55	1.189	0.449	0.977	0.579	1.007	0.598	1.135	30
7/21/2013 16:00	0.539	0.776	0.55	1.189	0.449	1.009	0.579	1.007	0.598	1.135	30
7/21/2013 16:10	0.539	0.77	0.55	1.19	0.449	1.04	0.579	1.007	0.598	1.135	30
7/21/2013 16:20	0.539	0.766	0.55	1.189	0.449	1.071	0.579	1.007	0.598	1.135	30
7/21/2013 16:30	0.539	0.763	0.55	1.189	0.449	1.099	0.579	1.005	0.598	1.135	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/21/2013 16:40	0.539	0.758	0.55	1.189	0.449	1.126	0.578	1.007	0.598	1.135	30
7/21/2013 16:50	0.539	0.755	0.55	1.188	0.449	1.149	0.578	1.007	0.597	1.135	30
7/21/2013 17:00	0.539	0.752	0.55	1.188	0.449	1.17	0.578	1.006	0.598	1.135	30
7/21/2013 17:10	0.539	0.749	0.55	1.187	0.449	1.187	0.578	1.007	0.598	1.135	30
7/21/2013 17:20	0.539	0.746	0.551	1.186	0.449	1.202	0.578	1.006	0.598	1.135	30
7/21/2013 17:30	0.539	0.742	0.551	1.185	0.45	1.213	0.578	1.006	0.598	1.135	30
7/21/2013 17:40	0.539	0.74	0.551	1.184	0.45	1.222	0.578	1.007	0.598	1.135	30
7/21/2013 17:50	0.539	0.738	0.551	1.182	0.45	1.23	0.578	1.007	0.597	1.135	30
7/21/2013 18:00	0.539	0.736	0.551	1.181	0.45	1.236	0.578	1.008	0.597	1.135	30
7/21/2013 18:10	0.539	0.734	0.551	1.178	0.45	1.241	0.578	1.008	0.597	1.136	30
7/21/2013 18:20	0.539	0.733	0.551	1.176	0.45	1.244	0.578	1.008	0.597	1.136	30
7/21/2013 18:30	0.54	0.732	0.551	1.175	0.45	1.245	0.579	1.009	0.598	1.136	30
7/21/2013 18:40	0.539	0.731	0.551	1.174	0.45	1.247	0.579	1.008	0.597	1.136	30
7/21/2013 18:50	0.54	0.731	0.551	1.172	0.45	1.248	0.579	1.008	0.598	1.136	30
7/21/2013 19:00	0.54	0.731	0.551	1.168	0.45	1.249	0.579	1.009	0.598	1.136	30
7/21/2013 19:10	0.539	0.731	0.551	1.158	0.45	1.248	0.579	1.008	0.597	1.136	30
7/21/2013 19:20	0.539	0.731	0.551	1.152	0.45	1.246	0.579	1.009	0.597	1.136	30
7/21/2013 19:30	0.539	0.732	0.551	1.148	0.45	1.243	0.579	1.009	0.596	1.136	30
7/21/2013 19:40	0.539	0.733	0.551	1.146	0.45	1.24	0.579	1.008	0.597	1.136	30
7/21/2013 19:50	0.54	0.734	0.551	1.144	0.45	1.237	0.58	1.008	0.597	1.136	30
7/21/2013 20:00	0.539	0.735	0.551	1.143	0.45	1.234	0.58	1.008	0.597	1.136	30
7/21/2013 20:10	0.54	0.736	0.551	1.142	0.45	1.23	0.58	1.008	0.597	1.136	30
7/21/2013 20:20	0.54	0.736	0.552	1.142	0.45	1.226	0.58	1.009	0.597	1.136	30
7/21/2013 20:30	0.54	0.735	0.552	1.141	0.449	1.221	0.58	1.009	0.596	1.136	30
7/21/2013 20:40	0.54	0.734	0.552	1.14	0.449	1.215	0.58	1.008	0.597	1.136	30
7/21/2013 20:50	0.54	0.732	0.552	1.139	0.449	1.211	0.58	1.008	0.597	1.136	30
7/21/2013 21:00	0.54	0.729	0.552	1.138	0.449	1.209	0.58	1.008	0.597	1.136	30
7/21/2013 21:10	0.54	0.725	0.552	1.137	0.449	1.203	0.58	1.008	0.597	1.136	30
7/21/2013 21:20	0.54	0.703	0.552	1.136	0.449	1.197	0.579	1.008	0.597	1.137	30
7/21/2013 21:30	0.54	0.694	0.552	1.135	0.449	1.19	0.579	1.007	0.596	1.137	30
7/21/2013 21:40	0.54	0.692	0.552	1.135	0.449	1.181	0.579	1.007	0.596	1.137	30
7/21/2013 21:50	0.54	0.69	0.552	1.135	0.449	1.171	0.579	1.007	0.596	1.137	30
7/21/2013 22:00	0.54	0.69	0.552	1.134	0.449	1.16	0.579	1.008	0.596	1.137	30
7/21/2013 22:10	0.54	0.69	0.552	1.133	0.449	1.145	0.579	1.007	0.596	1.137	30
7/21/2013 22:20	0.54	0.69	0.552	1.133	0.449	1.127	0.58	1.007	0.596	1.137	30
7/21/2013 22:30	0.54	0.69	0.552	1.132	0.449	1.108	0.58	1.007	0.596	1.137	30
7/21/2013 22:40	0.54	0.689	0.552	1.132	0.449	1.09	0.579	1.007	0.596	1.137	30
7/21/2013 22:50	0.54	0.689	0.552	1.132	0.449	1.074	0.579	1.007	0.596	1.137	30
7/21/2013 23:00	0.54	0.689	0.552	1.131	0.449	1.059	0.579	1.007	0.596	1.138	30
7/21/2013 23:10	0.54	0.689	0.552	1.131	0.449	1.047	0.579	1.007	0.596	1.138	30
7/21/2013 23:20	0.54	0.689	0.552	1.131	0.449	1.037	0.579	1.007	0.596	1.138	30
7/21/2013 23:30	0.54	0.689	0.552	1.13	0.449	1.028	0.579	1.007	0.596	1.138	30
7/21/2013 23:40	0.54	0.689	0.552	1.13	0.449	1.021	0.579	1.007	0.596	1.139	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/21/2013 23:50	0.54	0.689	0.552	1.13	0.448	1.016	0.579	1.007	0.596	1.139	30
7/22/2013 0:00	0.54	0.688	0.552	1.13	0.448	1.013	0.58	1.007	0.596	1.139	30
7/22/2013 0:10	0.54	0.688	0.552	1.13	0.448	1.009	0.58	1.007	0.596	1.139	30
7/22/2013 0:20	0.54	0.687	0.553	1.13	0.448	1.007	0.58	1.007	0.596	1.139	30
7/22/2013 0:30	0.54	0.687	0.553	1.13	0.448	1.005	0.58	1.007	0.596	1.139	30
7/22/2013 0:40	0.54	0.687	0.553	1.13	0.448	1.004	0.58	1.007	0.596	1.139	30
7/22/2013 0:50	0.54	0.687	0.553	1.13	0.448	1.004	0.58	1.007	0.596	1.139	30
7/22/2013 1:00	0.54	0.688	0.553	1.13	0.448	1.004	0.58	1.008	0.597	1.139	30
7/22/2013 1:10	0.54	0.696	0.553	1.13	0.448	1.003	0.58	1.008	0.596	1.139	30
7/22/2013 1:20	0.54	0.712	0.553	1.13	0.448	1.004	0.58	1.008	0.596	1.139	30
7/22/2013 1:30	0.54	0.728	0.553	1.131	0.448	1.006	0.58	1.008	0.596	1.139	30
7/22/2013 1:40	0.54	0.743	0.553	1.131	0.448	1.009	0.58	1.008	0.596	1.14	30
7/22/2013 1:50	0.54	0.755	0.553	1.132	0.447	1.012	0.58	1.007	0.596	1.14	30
7/22/2013 2:00	0.54	0.765	0.553	1.136	0.448	1.016	0.58	1.008	0.597	1.139	30
7/22/2013 2:10	0.54	0.777	0.553	1.143	0.447	1.022	0.58	1.008	0.596	1.14	30
7/22/2013 2:20	0.54	0.785	0.553	1.148	0.447	1.029	0.58	1.009	0.596	1.14	30
7/22/2013 2:30	0.54	0.792	0.553	1.151	0.448	1.039	0.58	1.009	0.596	1.14	30
7/22/2013 2:40	0.54	0.796	0.553	1.151	0.448	1.05	0.58	1.01	0.596	1.14	30
7/22/2013 2:50	0.54	0.798	0.553	1.152	0.447	1.062	0.58	1.01	0.596	1.14	30
7/22/2013 3:00	0.54	0.799	0.553	1.153	0.447	1.074	0.58	1.011	0.596	1.14	30
7/22/2013 3:10	0.54	0.798	0.553	1.153	0.447	1.086	0.58	1.01	0.596	1.14	30
7/22/2013 3:20	0.54	0.796	0.553	1.153	0.447	1.097	0.58	1.01	0.596	1.141	30
7/22/2013 3:30	0.54	0.794	0.553	1.152	0.447	1.107	0.58	1.01	0.596	1.141	30
7/22/2013 3:40	0.54	0.793	0.553	1.154	0.447	1.118	0.58	1.01	0.596	1.141	30
7/22/2013 3:50	0.54	0.792	0.553	1.153	0.447	1.126	0.58	1.01	0.596	1.141	30
7/22/2013 4:00	0.54	0.791	0.553	1.153	0.447	1.129	0.58	1.01	0.597	1.141	30
7/22/2013 4:10	0.54	0.79	0.553	1.153	0.447	1.133	0.58	1.01	0.596	1.142	30
7/22/2013 4:20	0.54	0.789	0.553	1.152	0.447	1.136	0.58	1.01	0.596	1.142	30
7/22/2013 4:30	0.54	0.787	0.553	1.151	0.447	1.139	0.58	1.01	0.596	1.142	30
7/22/2013 4:40	0.54	0.787	0.553	1.151	0.447	1.14	0.58	1.01	0.596	1.142	30
7/22/2013 4:50	0.54	0.787	0.553	1.15	0.447	1.139	0.58	1.009	0.596	1.142	30
7/22/2013 5:00	0.54	0.787	0.553	1.149	0.447	1.14	0.58	1.009	0.597	1.142	30
7/22/2013 5:10	0.541	0.787	0.553	1.147	0.447	1.138	0.58	1.008	0.596	1.142	30
7/22/2013 5:20	0.541	0.787	0.553	1.145	0.447	1.137	0.58	1.008	0.596	1.143	30
7/22/2013 5:30	0.541	0.788	0.553	1.142	0.447	1.135	0.58	1.008	0.596	1.143	30
7/22/2013 5:40	0.541	0.788	0.553	1.139	0.447	1.133	0.58	1.008	0.596	1.143	30
7/22/2013 5:50	0.541	0.788	0.553	1.134	0.446	1.129	0.58	1.008	0.596	1.143	30
7/22/2013 6:00	0.541	0.786	0.553	1.126	0.446	1.126	0.58	1.008	0.596	1.143	30
7/22/2013 6:10	0.541	0.782	0.553	1.123	0.446	1.121	0.58	1.008	0.596	1.143	30
7/22/2013 6:20	0.541	0.778	0.553	1.121	0.446	1.115	0.58	1.009	0.596	1.143	30
7/22/2013 6:30	0.541	0.77	0.554	1.121	0.446	1.11	0.581	1.009	0.596	1.143	30
7/22/2013 6:40	0.541	0.754	0.554	1.121	0.446	1.105	0.581	1.009	0.596	1.143	30
7/22/2013 6:50	0.541	0.738	0.554	1.12	0.446	1.098	0.581	1.009	0.596	1.143	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/22/2013 7:00	0.541	0.728	0.554	1.12	0.446	1.091	0.581	1.009	0.596	1.143	30
7/22/2013 7:10	0.541	0.717	0.554	1.12	0.446	1.083	0.581	1.008	0.596	1.143	30
7/22/2013 7:20	0.541	0.707	0.554	1.12	0.446	1.075	0.581	1.008	0.596	1.143	30
7/22/2013 7:30	0.541	0.695	0.554	1.119	0.446	1.066	0.581	1.008	0.596	1.143	30
7/22/2013 7:40	0.541	0.692	0.554	1.118	0.446	1.053	0.581	1.008	0.596	1.143	30
7/22/2013 7:50	0.541	0.69	0.554	1.118	0.446	1.033	0.581	1.008	0.595	1.143	30
7/22/2013 8:00	0.541	0.685	0.554	1.117	0.446	1.014	0.581	1.009	0.596	1.143	30
7/22/2013 8:10	0.541	0.67	0.554	1.113	0.446	0.998	0.581	1.008	0.596	1.143	30
7/22/2013 8:20	0.541	0.664	0.554	1.105	0.446	0.981	0.581	1.008	0.596	1.142	30
7/22/2013 8:30	0.541	0.663	0.554	1.091	0.446	0.964	0.581	1.008	0.596	1.142	30
7/22/2013 8:40	0.541	0.662	0.555	1.068	0.446	0.949	0.581	1.008	0.596	1.142	30
7/22/2013 8:50	0.541	0.661	0.555	1.036	0.446	0.938	0.581	1.008	0.596	1.142	30
7/22/2013 9:00	0.541	0.657	0.555	0.997	0.446	0.929	0.581	1.008	0.596	1.142	30
7/22/2013 9:10	0.541	0.652	0.555	0.957	0.446	0.921	0.581	1.007	0.596	1.142	30
7/22/2013 9:20	0.541	0.648	0.555	0.923	0.446	0.912	0.581	1.006	0.596	1.141	30
7/22/2013 9:30	0.541	0.642	0.555	0.891	0.446	0.903	0.581	1.005	0.596	1.141	30
7/22/2013 9:40	0.541	0.636	0.555	0.86	0.446	0.897	0.581	1.004	0.596	1.14	30
7/22/2013 9:50	0.541	0.631	0.555	0.837	0.446	0.892	0.581	1.004	0.596	1.139	30
7/22/2013 10:00	0.541	0.625	0.555	0.82	0.446	0.888	0.581	1.003	0.596	1.139	30
7/22/2013 10:10	0.541	0.622	0.555	0.802	0.446	0.884	0.581	1.002	0.596	1.138	30
7/22/2013 10:20	0.541	0.618	0.555	0.788	0.446	0.88	0.581	1	0.596	1.138	30
7/22/2013 10:30	0.541	0.616	0.555	0.776	0.446	0.878	0.581	0.999	0.595	1.137	30
7/22/2013 10:40	0.541	0.614	0.555	0.768	0.445	0.875	0.58	0.998	0.595	1.137	30
7/22/2013 10:50	0.541	0.613	0.555	0.757	0.445	0.873	0.58	0.999	0.595	1.136	30
7/22/2013 11:00	0.541	0.611	0.555	0.748	0.446	0.871	0.58	1.003	0.596	1.136	30
7/22/2013 11:10	0.541	0.61	0.555	0.74	0.445	0.869	0.58	1.005	0.596	1.135	30
7/22/2013 11:20	0.541	0.61	0.555	0.733	0.445	0.866	0.58	1.005	0.596	1.135	30
7/22/2013 11:30	0.541	0.612	0.555	0.728	0.445	0.864	0.58	1.006	0.595	1.135	30
7/22/2013 11:40	0.541	0.614	0.555	0.724	0.445	0.861	0.58	1.008	0.596	1.135	30
7/22/2013 11:50	0.541	0.616	0.556	0.722	0.445	0.859	0.58	1.007	0.595	1.134	30
7/22/2013 12:00	0.541	0.618	0.556	0.72	0.445	0.857	0.58	1.007	0.596	1.134	30
7/22/2013 12:10	0.541	0.62	0.556	0.72	0.445	0.855	0.58	1.007	0.595	1.134	30
7/22/2013 12:20	0.541	0.623	0.556	0.721	0.445	0.854	0.58	1.006	0.596	1.134	30
7/22/2013 12:30	0.541	0.626	0.556	0.722	0.445	0.853	0.58	1.006	0.596	1.133	30
7/22/2013 12:40	0.541	0.629	0.556	0.726	0.445	0.853	0.58	1.006	0.595	1.133	30
7/22/2013 12:50	0.541	0.633	0.556	0.733	0.445	0.852	0.58	1.006	0.596	1.133	30
7/22/2013 13:00	0.541	0.638	0.556	0.748	0.445	0.852	0.579	1.007	0.596	1.133	30
7/22/2013 13:10	0.542	0.642	0.556	0.771	0.445	0.851	0.579	1.007	0.595	1.133	30
7/22/2013 13:20	0.542	0.647	0.556	0.806	0.445	0.851	0.579	1.008	0.595	1.132	30
7/22/2013 13:30	0.542	0.653	0.556	0.834	0.445	0.85	0.579	1.009	0.595	1.132	30
7/22/2013 13:40	0.542	0.66	0.556	0.853	0.445	0.85	0.579	1.01	0.595	1.131	30
7/22/2013 13:50	0.542	0.672	0.556	0.871	0.445	0.85	0.579	1.011	0.595	1.131	30
7/22/2013 14:00	0.542	0.686	0.556	0.892	0.445	0.85	0.579	1.013	0.596	1.131	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/22/2013 14:10	0.542	0.704	0.556	0.917	0.445	0.85	0.578	1.013	0.596	1.13	30
7/22/2013 14:20	0.542	0.723	0.572	0.945	0.445	0.85	0.578	1.013	0.596	1.13	30
7/22/2013 14:30	0.542	0.743	0.572	0.977	0.445	0.85	0.578	1.014	0.594	1.145	30
7/22/2013 14:40	0.542	0.762	0.573	1.012	0.445	0.85	0.578	1.014	0.594	1.145	30
7/22/2013 14:50	0.542	0.778	0.573	1.05	0.445	0.85	0.578	1.014	0.594	1.146	30
7/22/2013 15:00	0.542	0.79	0.574	1.082	0.446	0.851	0.578	1.014	0.594	1.146	30
7/22/2013 15:10	0.542	0.8	0.574	1.109	0.446	0.85	0.578	1.014	0.594	1.146	30
7/22/2013 15:20	0.542	0.805	0.574	1.132	0.446	0.851	0.578	1.014	0.594	1.146	30
7/22/2013 15:30	0.542	0.807	0.575	1.153	0.446	0.854	0.578	1.013	0.594	1.146	30
7/22/2013 15:40	0.542	0.806	0.575	1.169	0.446	0.863	0.578	1.013	0.593	1.146	30
7/22/2013 15:50	0.542	0.805	0.575	1.179	0.446	0.878	0.578	1.013	0.594	1.146	30
7/22/2013 16:00	0.542	0.802	0.576	1.186	0.446	0.9	0.578	1.013	0.594	1.146	30
7/22/2013 16:10	0.542	0.797	0.576	1.189	0.446	0.927	0.578	1.012	0.594	1.146	30
7/22/2013 16:20	0.542	0.79	0.576	1.191	0.446	0.96	0.578	1.011	0.594	1.146	30
7/22/2013 16:30	0.542	0.784	0.576	1.191	0.446	0.993	0.578	1.011	0.594	1.146	30
7/22/2013 16:40	0.542	0.779	0.577	1.191	0.446	1.026	0.578	1.01	0.594	1.146	30
7/22/2013 16:50	0.542	0.773	0.577	1.192	0.446	1.058	0.578	1.01	0.593	1.146	30
7/22/2013 17:00	0.542	0.768	0.577	1.191	0.446	1.09	0.578	1.01	0.594	1.146	30
7/22/2013 17:10	0.542	0.763	0.577	1.191	0.446	1.119	0.578	1.008	0.593	1.146	30
7/22/2013 17:20	0.542	0.759	0.577	1.19	0.446	1.146	0.578	1.009	0.594	1.146	30
7/22/2013 17:30	0.542	0.756	0.577	1.19	0.446	1.17	0.578	1.008	0.594	1.146	30
7/22/2013 17:40	0.542	0.752	0.577	1.189	0.446	1.19	0.578	1.008	0.594	1.147	30
7/22/2013 17:50	0.542	0.749	0.577	1.188	0.446	1.207	0.578	1.008	0.594	1.146	30
7/22/2013 18:00	0.542	0.744	0.577	1.188	0.446	1.218	0.578	1.009	0.594	1.146	30
7/22/2013 18:10	0.542	0.742	0.577	1.187	0.446	1.229	0.578	1.009	0.594	1.146	30
7/22/2013 18:20	0.542	0.74	0.577	1.186	0.446	1.237	0.578	1.009	0.594	1.146	30
7/22/2013 18:30	0.542	0.739	0.577	1.184	0.446	1.244	0.578	1.01	0.594	1.147	30
7/22/2013 18:40	0.542	0.737	0.577	1.182	0.446	1.247	0.578	1.01	0.594	1.147	30
7/22/2013 18:50	0.542	0.735	0.577	1.18	0.446	1.251	0.578	1.01	0.594	1.147	30
7/22/2013 19:00	0.542	0.732	0.577	1.179	0.446	1.254	0.578	1.01	0.594	1.147	30
7/22/2013 19:10	0.542	0.731	0.577	1.177	0.446	1.256	0.578	1.01	0.594	1.147	30
7/22/2013 19:20	0.542	0.73	0.577	1.175	0.447	1.257	0.578	1.01	0.594	1.148	30
7/22/2013 19:30	0.542	0.73	0.577	1.174	0.447	1.257	0.578	1.01	0.593	1.148	30
7/22/2013 19:40	0.542	0.729	0.577	1.173	0.447	1.257	0.578	1.011	0.594	1.148	30
7/22/2013 19:50	0.542	0.729	0.577	1.172	0.447	1.256	0.578	1.011	0.594	1.148	30
7/22/2013 20:00	0.542	0.729	0.577	1.171	0.447	1.254	0.578	1.011	0.594	1.149	30
7/22/2013 20:10	0.542	0.729	0.577	1.17	0.447	1.249	0.579	1.011	0.594	1.149	30
7/22/2013 20:20	0.543	0.731	0.577	1.17	0.447	1.246	0.579	1.01	0.594	1.15	30
7/22/2013 20:30	0.543	0.731	0.577	1.169	0.447	1.243	0.579	1.01	0.594	1.151	30
7/22/2013 20:40	0.542	0.732	0.577	1.168	0.447	1.239	0.579	1.01	0.594	1.153	30
7/22/2013 20:50	0.542	0.732	0.577	1.167	0.447	1.235	0.579	1.01	0.594	1.153	30
7/22/2013 21:00	0.542	0.732	0.577	1.167	0.447	1.232	0.579	1.011	0.594	1.154	30
7/22/2013 21:10	0.542	0.731	0.577	1.166	0.447	1.225	0.579	1.01	0.593	1.154	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/22/2013 21:20	0.542	0.73	0.577	1.166	0.447	1.22	0.579	1.012	0.593	1.155	30
7/22/2013 21:30	0.542	0.727	0.577	1.165	0.447	1.218	0.579	1.011	0.593	1.155	30
7/22/2013 21:40	0.542	0.71	0.577	1.165	0.447	1.215	0.579	1.011	0.593	1.155	30
7/22/2013 21:50	0.542	0.699	0.577	1.165	0.447	1.212	0.58	1.011	0.593	1.155	30
7/22/2013 22:00	0.542	0.697	0.577	1.165	0.447	1.207	0.58	1.011	0.594	1.155	30
7/22/2013 22:10	0.542	0.695	0.577	1.164	0.447	1.199	0.58	1.011	0.593	1.155	30
7/22/2013 22:20	0.542	0.694	0.577	1.164	0.447	1.19	0.58	1.011	0.593	1.155	30
7/22/2013 22:30	0.542	0.693	0.577	1.164	0.447	1.179	0.58	1.01	0.593	1.156	30
7/22/2013 22:40	0.542	0.693	0.577	1.163	0.447	1.163	0.58	1.01	0.593	1.155	30
7/22/2013 22:50	0.542	0.693	0.578	1.163	0.447	1.142	0.58	1.01	0.593	1.155	30
7/22/2013 23:00	0.542	0.692	0.578	1.163	0.447	1.121	0.58	1.01	0.593	1.155	30
7/22/2013 23:10	0.542	0.692	0.578	1.162	0.447	1.099	0.58	1.01	0.593	1.155	30
7/22/2013 23:20	0.542	0.692	0.578	1.161	0.448	1.08	0.58	1.01	0.593	1.156	30
7/22/2013 23:30	0.542	0.692	0.578	1.161	0.447	1.064	0.58	1.01	0.593	1.156	30
7/22/2013 23:40	0.542	0.692	0.578	1.16	0.448	1.052	0.58	1.01	0.593	1.156	30
7/22/2013 23:50	0.542	0.692	0.578	1.159	0.448	1.043	0.58	1.01	0.593	1.156	30
7/23/2013 0:00	0.542	0.691	0.578	1.158	0.448	1.035	0.58	1.01	0.594	1.156	30
7/23/2013 0:10	0.543	0.691	0.578	1.157	0.448	1.027	0.58	1.01	0.593	1.156	30
7/23/2013 0:20	0.543	0.691	0.578	1.157	0.448	1.019	0.58	1.01	0.594	1.156	30
7/23/2013 0:30	0.543	0.691	0.578	1.156	0.448	1.012	0.58	1.01	0.593	1.156	30
7/23/2013 0:40	0.543	0.691	0.578	1.156	0.448	1.006	0.58	1.01	0.594	1.156	30
7/23/2013 0:50	0.543	0.69	0.578	1.156	0.448	1.001	0.58	1.01	0.593	1.156	30
7/23/2013 1:00	0.543	0.69	0.578	1.156	0.448	0.997	0.579	1.01	0.594	1.156	30
7/23/2013 1:10	0.543	0.69	0.578	1.156	0.448	0.993	0.579	1.01	0.594	1.157	30
7/23/2013 1:20	0.543	0.69	0.578	1.156	0.448	0.99	0.579	1.01	0.593	1.157	30
7/23/2013 1:30	0.543	0.69	0.578	1.157	0.448	0.988	0.579	1.01	0.593	1.157	30
7/23/2013 1:40	0.543	0.69	0.578	1.157	0.448	0.987	0.579	1.01	0.594	1.157	30
7/23/2013 1:50	0.543	0.69	0.578	1.158	0.448	0.987	0.579	1.01	0.594	1.158	30
7/23/2013 2:00	0.543	0.69	0.579	1.158	0.448	0.987	0.579	1.01	0.594	1.158	30
7/23/2013 2:10	0.543	0.69	0.579	1.158	0.448	0.987	0.579	1.01	0.594	1.158	30
7/23/2013 2:20	0.543	0.691	0.579	1.159	0.448	0.988	0.579	1.01	0.594	1.158	30
7/23/2013 2:30	0.543	0.698	0.579	1.159	0.447	0.991	0.579	1.01	0.594	1.158	30
7/23/2013 2:40	0.543	0.71	0.579	1.159	0.447	0.994	0.579	1.011	0.594	1.158	30
7/23/2013 2:50	0.543	0.723	0.579	1.16	0.447	0.998	0.579	1.01	0.594	1.158	30
7/23/2013 3:00	0.543	0.734	0.579	1.16	0.447	1.003	0.578	1.01	0.594	1.158	30
7/23/2013 3:10	0.543	0.744	0.579	1.159	0.447	1.009	0.578	1.01	0.594	1.158	30
7/23/2013 3:20	0.543	0.754	0.579	1.159	0.447	1.015	0.578	1.011	0.593	1.157	30
7/23/2013 3:30	0.543	0.762	0.579	1.159	0.447	1.023	0.578	1.011	0.594	1.157	30
7/23/2013 3:40	0.543	0.772	0.579	1.159	0.447	1.034	0.578	1.012	0.594	1.157	30
7/23/2013 3:50	0.543	0.782	0.579	1.159	0.447	1.047	0.578	1.012	0.594	1.157	30
7/23/2013 4:00	0.543	0.79	0.579	1.159	0.447	1.061	0.578	1.013	0.594	1.157	30
7/23/2013 4:10	0.543	0.796	0.579	1.16	0.447	1.076	0.578	1.013	0.594	1.157	30
7/23/2013 4:20	0.543	0.8	0.579	1.159	0.447	1.092	0.578	1.013	0.594	1.157	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/23/2013 4:30	0.543	0.802	0.579	1.159	0.447	1.107	0.578	1.013	0.594	1.157	30
7/23/2013 4:40	0.543	0.802	0.578	1.158	0.447	1.12	0.578	1.014	0.593	1.158	30
7/23/2013 4:50	0.543	0.8	0.578	1.157	0.447	1.131	0.578	1.013	0.594	1.158	30
7/23/2013 5:00	0.543	0.798	0.578	1.157	0.447	1.14	0.578	1.014	0.594	1.157	30
7/23/2013 5:10	0.543	0.796	0.578	1.157	0.447	1.143	0.578	1.013	0.594	1.157	30
7/23/2013 5:20	0.543	0.795	0.579	1.156	0.447	1.154	0.578	1.013	0.594	1.158	30
7/23/2013 5:30	0.543	0.793	0.579	1.156	0.447	1.156	0.578	1.013	0.594	1.158	30
7/23/2013 5:40	0.543	0.791	0.579	1.156	0.447	1.157	0.578	1.013	0.594	1.158	30
7/23/2013 5:50	0.543	0.79	0.579	1.156	0.447	1.158	0.578	1.013	0.593	1.157	30
7/23/2013 6:00	0.543	0.79	0.579	1.157	0.447	1.159	0.578	1.013	0.594	1.157	30
7/23/2013 6:10	0.543	0.789	0.579	1.156	0.447	1.157	0.578	1.012	0.594	1.157	30
7/23/2013 6:20	0.543	0.789	0.579	1.156	0.447	1.155	0.579	1.012	0.594	1.157	30
7/23/2013 6:30	0.543	0.789	0.579	1.156	0.447	1.152	0.579	1.012	0.594	1.157	30
7/23/2013 6:40	0.543	0.787	0.579	1.156	0.446	1.148	0.579	1.011	0.594	1.157	30
7/23/2013 6:50	0.543	0.785	0.579	1.156	0.446	1.145	0.579	1.011	0.594	1.156	30
7/23/2013 7:00	0.543	0.781	0.579	1.155	0.446	1.141	0.579	1.011	0.594	1.156	30
7/23/2013 7:10	0.544	0.777	0.579	1.154	0.446	1.135	0.579	1.012	0.594	1.156	30
7/23/2013 7:20	0.544	0.773	0.579	1.154	0.446	1.128	0.579	1.011	0.594	1.156	30
7/23/2013 7:30	0.544	0.759	0.579	1.153	0.446	1.123	0.579	1.011	0.594	1.156	30
7/23/2013 7:40	0.544	0.744	0.579	1.153	0.446	1.116	0.579	1.011	0.594	1.156	30
7/23/2013 7:50	0.544	0.734	0.579	1.152	0.446	1.108	0.579	1.011	0.594	1.156	30
7/23/2013 8:00	0.544	0.724	0.579	1.151	0.446	1.099	0.579	1.011	0.594	1.156	30
7/23/2013 8:10	0.544	0.713	0.579	1.15	0.446	1.09	0.579	1.01	0.594	1.156	30
7/23/2013 8:20	0.544	0.701	0.579	1.149	0.446	1.08	0.579	1.01	0.594	1.156	30
7/23/2013 8:30	0.544	0.698	0.579	1.15	0.446	1.067	0.579	1.01	0.595	1.155	30
7/23/2013 8:40	0.544	0.695	0.579	1.147	0.446	1.047	0.579	1.01	0.594	1.155	30
7/23/2013 8:50	0.544	0.691	0.579	1.143	0.446	1.026	0.579	1.01	0.595	1.155	30
7/23/2013 9:00	0.544	0.683	0.579	1.136	0.446	1.009	0.579	1.011	0.594	1.155	30
7/23/2013 9:10	0.544	0.677	0.579	1.123	0.446	0.993	0.579	1.01	0.594	1.155	30
7/23/2013 9:20	0.544	0.669	0.579	1.109	0.446	0.973	0.579	1.01	0.594	1.155	30
7/23/2013 9:30	0.544	0.663	0.579	1.086	0.446	0.955	0.579	1.01	0.595	1.155	30
7/23/2013 9:40	0.544	0.659	0.579	1.05	0.446	0.941	0.579	1.01	0.594	1.155	30
7/23/2013 9:50	0.544	0.657	0.579	1.006	0.446	0.929	0.579	1.009	0.595	1.155	30
7/23/2013 10:00	0.544	0.653	0.579	0.961	0.446	0.92	0.578	1.009	0.594	1.155	30
7/23/2013 10:10	0.544	0.647	0.579	0.923	0.446	0.91	0.578	1.008	0.594	1.155	30
7/23/2013 10:20	0.544	0.641	0.579	0.894	0.446	0.902	0.578	1.008	0.595	1.155	30
7/23/2013 10:30	0.544	0.637	0.579	0.865	0.446	0.896	0.578	1.007	0.594	1.154	30
7/23/2013 10:40	0.544	0.632	0.579	0.84	0.446	0.889	0.578	1.006	0.595	1.154	30
7/23/2013 10:50	0.544	0.625	0.579	0.824	0.446	0.883	0.578	1.005	0.595	1.154	30
7/23/2013 11:00	0.544	0.622	0.58	0.808	0.446	0.88	0.578	1.005	0.595	1.153	30
7/23/2013 11:10	0.544	0.619	0.58	0.794	0.446	0.877	0.578	1.003	0.595	1.153	29.485
7/23/2013 11:20	0.544	0.616	0.58	0.781	0.446	0.874	0.577	1.001	0.595	1.153	29.882
7/23/2013 11:30	0.544	0.614	0.58	0.77	0.445	0.872	0.577	1.001	0.595	1.153	29.513

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/23/2013 11:40	0.544	0.612	0.58	0.761	0.446	0.87	0.577	1.003	0.595	1.152	30
7/23/2013 11:50	0.544	0.611	0.58	0.753	0.445	0.869	0.577	1.005	0.595	1.152	28.927
7/23/2013 12:00	0.544	0.611	0.58	0.744	0.445	0.867	0.577	1.008	0.595	1.151	29.763
7/23/2013 12:10	0.544	0.612	0.58	0.737	0.445	0.866	0.577	1.01	0.595	1.151	30
7/23/2013 12:20	0.545	0.613	0.58	0.732	0.445	0.865	0.577	1.012	0.595	1.151	30
7/23/2013 12:30	0.545	0.613	0.58	0.729	0.445	0.863	0.578	1.012	0.595	1.151	30
7/23/2013 12:40	0.545	0.614	0.58	0.726	0.445	0.862	0.578	1.012	0.595	1.15	30
7/23/2013 12:50	0.545	0.616	0.58	0.724	0.445	0.86	0.578	1.012	0.595	1.15	30
7/23/2013 13:00	0.545	0.619	0.58	0.724	0.445	0.859	0.578	1.012	0.595	1.149	30
7/23/2013 13:10	0.545	0.623	0.58	0.723	0.445	0.857	0.578	1.011	0.595	1.149	30
7/23/2013 13:20	0.545	0.626	0.58	0.725	0.445	0.856	0.578	1.01	0.595	1.149	30
7/23/2013 13:30	0.545	0.629	0.58	0.729	0.445	0.855	0.578	1.01	0.595	1.148	30
7/23/2013 13:40	0.545	0.633	0.58	0.742	0.445	0.853	0.578	1.01	0.595	1.148	30
7/23/2013 13:50	0.545	0.638	0.58	0.766	0.445	0.853	0.578	1.01	0.595	1.148	30
7/23/2013 14:00	0.545	0.643	0.58	0.799	0.445	0.852	0.578	1.01	0.595	1.147	30
7/23/2013 14:10	0.545	0.649	0.58	0.827	0.445	0.851	0.578	1.011	0.595	1.147	30
7/23/2013 14:20	0.545	0.656	0.58	0.845	0.445	0.851	0.578	1.012	0.595	1.147	30
7/23/2013 14:30	0.545	0.664	0.58	0.862	0.445	0.851	0.578	1.013	0.595	1.146	30
7/23/2013 14:40	0.545	0.677	0.58	0.881	0.445	0.851	0.578	1.014	0.595	1.146	30
7/23/2013 14:50	0.545	0.696	0.58	0.899	0.445	0.851	0.578	1.015	0.595	1.146	30
7/23/2013 15:00	0.545	0.714	0.58	0.919	0.445	0.851	0.578	1.016	0.595	1.145	30
7/23/2013 15:10	0.545	0.734	0.58	0.946	0.445	0.851	0.578	1.016	0.595	1.145	30
7/23/2013 15:20	0.545	0.755	0.58	0.981	0.445	0.851	0.577	1.016	0.596	1.145	30
7/23/2013 15:30	0.545	0.772	0.58	1.02	0.445	0.851	0.577	1.016	0.595	1.145	30
7/23/2013 15:40	0.545	0.787	0.58	1.059	0.445	0.851	0.577	1.016	0.595	1.145	30
7/23/2013 15:50	0.545	0.798	0.58	1.087	0.445	0.851	0.577	1.016	0.596	1.145	30
7/23/2013 16:00	0.545	0.805	0.58	1.114	0.445	0.852	0.577	1.016	0.596	1.145	30
7/23/2013 16:10	0.545	0.81	0.58	1.138	0.445	0.853	0.577	1.015	0.596	1.145	30
7/23/2013 16:20	0.545	0.81	0.58	1.159	0.446	0.856	0.577	1.014	0.596	1.145	30
7/23/2013 16:30	0.545	0.807	0.58	1.173	0.446	0.865	0.577	1.014	0.595	1.145	30
7/23/2013 16:40	0.545	0.802	0.58	1.182	0.446	0.879	0.577	1.014	0.595	1.145	30
7/23/2013 16:50	0.545	0.798	0.58	1.188	0.446	0.9	0.577	1.013	0.595	1.145	30
7/23/2013 17:00	0.545	0.793	0.58	1.191	0.446	0.929	0.577	1.013	0.596	1.145	30
7/23/2013 17:10	0.545	0.788	0.581	1.193	0.446	0.962	0.577	1.012	0.595	1.145	30
7/23/2013 17:20	0.545	0.782	0.581	1.192	0.446	0.997	0.577	1.01	0.595	1.144	30
7/23/2013 17:30	0.545	0.777	0.581	1.194	0.446	1.033	0.577	1.011	0.595	1.144	30
7/23/2013 17:40	0.545	0.771	0.581	1.194	0.446	1.069	0.577	1.009	0.595	1.144	30
7/23/2013 17:50	0.545	0.765	0.581	1.194	0.446	1.103	0.577	1.009	0.595	1.144	30
7/23/2013 18:00	0.545	0.761	0.581	1.194	0.446	1.134	0.577	1.01	0.595	1.144	30
7/23/2013 18:10	0.545	0.757	0.581	1.193	0.446	1.16	0.577	1.009	0.595	1.144	30
7/23/2013 18:20	0.545	0.753	0.581	1.193	0.447	1.183	0.577	1.009	0.595	1.144	30
7/23/2013 18:30	0.545	0.749	0.581	1.192	0.447	1.2	0.577	1.01	0.595	1.145	30
7/23/2013 18:40	0.545	0.745	0.581	1.19	0.447	1.214	0.578	1.01	0.595	1.144	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/23/2013 18:50	0.546	0.741	0.581	1.19	0.447	1.224	0.578	1.01	0.594	1.145	30
7/23/2013 19:00	0.546	0.737	0.581	1.188	0.447	1.234	0.578	1.01	0.595	1.145	30
7/23/2013 19:10	0.546	0.736	0.582	1.187	0.447	1.242	0.578	1.01	0.595	1.145	30
7/23/2013 19:20	0.546	0.735	0.582	1.186	0.447	1.247	0.578	1.01	0.595	1.145	30
7/23/2013 19:30	0.546	0.733	0.582	1.186	0.447	1.251	0.578	1.01	0.594	1.145	30
7/23/2013 19:40	0.546	0.731	0.582	1.185	0.447	1.253	0.578	1.01	0.595	1.145	30
7/23/2013 19:50	0.546	0.731	0.582	1.186	0.447	1.255	0.579	1.011	0.595	1.145	30
7/23/2013 20:00	0.546	0.73	0.582	1.185	0.447	1.255	0.579	1.011	0.596	1.145	30
7/23/2013 20:10	0.546	0.73	0.582	1.185	0.447	1.255	0.579	1.011	0.595	1.145	30
7/23/2013 20:20	0.546	0.73	0.582	1.184	0.448	1.255	0.579	1.011	0.595	1.145	30
7/23/2013 20:30	0.545	0.731	0.582	1.184	0.448	1.254	0.579	1.011	0.594	1.145	30
7/23/2013 20:40	0.546	0.731	0.582	1.184	0.448	1.251	0.579	1.011	0.595	1.146	30
7/23/2013 20:50	0.546	0.732	0.582	1.184	0.448	1.248	0.579	1.011	0.595	1.146	30
7/23/2013 21:00	0.545	0.735	0.582	1.184	0.448	1.242	0.579	1.012	0.595	1.146	30
7/23/2013 21:10	0.545	0.736	0.582	1.184	0.448	1.239	0.58	1.012	0.594	1.146	30
7/23/2013 21:20	0.545	0.737	0.582	1.183	0.448	1.235	0.58	1.012	0.595	1.146	30
7/23/2013 21:30	0.545	0.737	0.582	1.183	0.448	1.231	0.58	1.011	0.595	1.147	30
7/23/2013 21:40	0.545	0.736	0.582	1.183	0.448	1.225	0.58	1.011	0.595	1.147	30
7/23/2013 21:50	0.545	0.734	0.582	1.182	0.448	1.22	0.58	1.011	0.595	1.148	30
7/23/2013 22:00	0.545	0.731	0.582	1.182	0.448	1.218	0.58	1.011	0.595	1.148	30
7/23/2013 22:10	0.545	0.724	0.582	1.18	0.448	1.215	0.58	1.012	0.595	1.148	30
7/23/2013 22:20	0.546	0.704	0.582	1.18	0.448	1.212	0.581	1.012	0.595	1.149	30
7/23/2013 22:30	0.546	0.7	0.582	1.179	0.448	1.207	0.581	1.012	0.595	1.149	30
7/23/2013 22:40	0.546	0.699	0.582	1.179	0.448	1.201	0.581	1.011	0.595	1.149	30
7/23/2013 22:50	0.546	0.699	0.582	1.178	0.448	1.193	0.581	1.011	0.595	1.149	30
7/23/2013 23:00	0.546	0.698	0.583	1.177	0.448	1.183	0.581	1.011	0.595	1.149	30
7/23/2013 23:10	0.546	0.698	0.583	1.176	0.448	1.167	0.581	1.011	0.595	1.149	30
7/23/2013 23:20	0.546	0.697	0.583	1.176	0.448	1.144	0.581	1.01	0.595	1.149	30
7/23/2013 23:30	0.546	0.697	0.583	1.175	0.448	1.119	0.581	1.01	0.595	1.149	30
7/23/2013 23:40	0.546	0.697	0.583	1.173	0.448	1.096	0.58	1.01	0.595	1.149	30
7/23/2013 23:50	0.546	0.697	0.583	1.172	0.448	1.076	0.58	1.01	0.595	1.149	30
7/24/2013 0:00	0.546	0.696	0.583	1.171	0.448	1.061	0.58	1.01	0.595	1.149	30
7/24/2013 0:10	0.546	0.696	0.583	1.169	0.448	1.049	0.58	1.01	0.595	1.15	30
7/24/2013 0:20	0.546	0.696	0.583	1.168	0.448	1.037	0.58	1.01	0.595	1.15	30
7/24/2013 0:30	0.546	0.696	0.583	1.167	0.448	1.026	0.58	1.011	0.595	1.15	30
7/24/2013 0:40	0.546	0.696	0.583	1.166	0.448	1.014	0.58	1.011	0.595	1.15	30
7/24/2013 0:50	0.546	0.695	0.583	1.164	0.448	1.003	0.579	1.011	0.595	1.15	30
7/24/2013 1:00	0.546	0.694	0.583	1.164	0.448	0.993	0.579	1.011	0.596	1.15	30
7/24/2013 1:10	0.546	0.694	0.583	1.162	0.448	0.983	0.579	1.011	0.595	1.15	30
7/24/2013 1:20	0.546	0.693	0.583	1.162	0.447	0.975	0.579	1.011	0.595	1.15	30
7/24/2013 1:30	0.546	0.693	0.583	1.161	0.447	0.968	0.579	1.011	0.595	1.15	30
7/24/2013 1:40	0.546	0.693	0.583	1.161	0.447	0.962	0.579	1.011	0.595	1.151	30
7/24/2013 1:50	0.546	0.693	0.584	1.161	0.447	0.956	0.579	1.011	0.595	1.151	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/24/2013 2:00	0.547	0.692	0.584	1.161	0.447	0.952	0.579	1.011	0.596	1.151	30
7/24/2013 2:10	0.547	0.692	0.584	1.161	0.447	0.949	0.579	1.01	0.595	1.151	30
7/24/2013 2:20	0.546	0.691	0.584	1.161	0.447	0.946	0.579	1.011	0.595	1.151	30
7/24/2013 2:30	0.546	0.691	0.584	1.162	0.446	0.944	0.579	1.011	0.595	1.152	30
7/24/2013 2:40	0.546	0.691	0.584	1.163	0.446	0.943	0.579	1.011	0.595	1.152	30
7/24/2013 2:50	0.547	0.691	0.584	1.164	0.446	0.942	0.579	1.011	0.595	1.152	30
7/24/2013 3:00	0.547	0.691	0.584	1.166	0.446	0.942	0.579	1.011	0.596	1.153	30
7/24/2013 3:10	0.547	0.692	0.584	1.166	0.446	0.943	0.579	1.011	0.596	1.153	30
7/24/2013 3:20	0.547	0.693	0.584	1.167	0.446	0.945	0.579	1.011	0.595	1.153	30
7/24/2013 3:30	0.547	0.697	0.584	1.168	0.446	0.947	0.579	1.011	0.595	1.153	30
7/24/2013 3:40	0.547	0.707	0.584	1.169	0.446	0.951	0.579	1.011	0.595	1.153	30
7/24/2013 3:50	0.547	0.717	0.585	1.17	0.446	0.955	0.579	1.01	0.596	1.153	30
7/24/2013 4:00	0.547	0.726	0.585	1.169	0.446	0.962	0.58	1.011	0.596	1.153	30
7/24/2013 4:10	0.547	0.734	0.584	1.169	0.446	0.969	0.58	1.011	0.595	1.153	30
7/24/2013 4:20	0.547	0.739	0.584	1.169	0.446	0.978	0.58	1.011	0.595	1.153	30
7/24/2013 4:30	0.547	0.744	0.584	1.17	0.446	0.988	0.58	1.011	0.595	1.153	30
7/24/2013 4:40	0.547	0.748	0.584	1.17	0.446	0.998	0.58	1.012	0.595	1.153	30
7/24/2013 4:50	0.547	0.752	0.585	1.17	0.446	1.008	0.58	1.012	0.594	1.153	30
7/24/2013 5:00	0.547	0.756	0.585	1.17	0.446	1.02	0.58	1.013	0.596	1.153	30
7/24/2013 5:10	0.547	0.761	0.585	1.17	0.446	1.033	0.579	1.012	0.595	1.153	30
7/24/2013 5:20	0.547	0.766	0.585	1.17	0.446	1.049	0.579	1.013	0.595	1.153	30
7/24/2013 5:30	0.547	0.773	0.585	1.17	0.446	1.066	0.579	1.013	0.595	1.152	30
7/24/2013 5:40	0.547	0.78	0.585	1.17	0.446	1.084	0.579	1.013	0.595	1.152	30
7/24/2013 5:50	0.547	0.786	0.585	1.17	0.446	1.1	0.579	1.013	0.595	1.151	30
7/24/2013 6:00	0.547	0.791	0.585	1.17	0.446	1.115	0.579	1.014	0.595	1.151	30
7/24/2013 6:10	0.547	0.795	0.585	1.171	0.446	1.126	0.579	1.013	0.595	1.15	30
7/24/2013 6:20	0.547	0.798	0.585	1.171	0.446	1.137	0.579	1.013	0.595	1.149	30
7/24/2013 6:30	0.547	0.799	0.585	1.17	0.445	1.143	0.579	1.013	0.595	1.149	30
7/24/2013 6:40	0.547	0.8	0.585	1.17	0.445	1.147	0.58	1.013	0.595	1.148	30
7/24/2013 6:50	0.547	0.8	0.585	1.17	0.445	1.151	0.58	1.013	0.595	1.147	30
7/24/2013 7:00	0.547	0.799	0.585	1.17	0.445	1.154	0.58	1.014	0.595	1.147	30
7/24/2013 7:10	0.547	0.799	0.585	1.17	0.445	1.155	0.58	1.013	0.595	1.147	30
7/24/2013 7:20	0.547	0.799	0.586	1.17	0.445	1.155	0.58	1.013	0.595	1.146	30
7/24/2013 7:30	0.547	0.797	0.586	1.17	0.445	1.154	0.58	1.012	0.595	1.146	30
7/24/2013 7:40	0.547	0.793	0.586	1.17	0.445	1.152	0.58	1.012	0.595	1.146	30
7/24/2013 7:50	0.547	0.788	0.586	1.17	0.445	1.149	0.58	1.012	0.595	1.146	30
7/24/2013 8:00	0.548	0.783	0.586	1.17	0.445	1.144	0.58	1.012	0.595	1.146	30
7/24/2013 8:10	0.548	0.776	0.586	1.169	0.445	1.138	0.579	1.011	0.595	1.146	30
7/24/2013 8:20	0.548	0.765	0.586	1.169	0.445	1.13	0.579	1.013	0.595	1.146	30
7/24/2013 8:30	0.548	0.75	0.586	1.168	0.445	1.12	0.579	1.012	0.595	1.146	30
7/24/2013 8:40	0.548	0.738	0.586	1.168	0.445	1.11	0.58	1.012	0.595	1.146	30
7/24/2013 8:50	0.548	0.731	0.586	1.167	0.445	1.099	0.579	1.012	0.595	1.146	30
7/24/2013 9:00	0.548	0.721	0.586	1.165	0.445	1.089	0.579	1.012	0.596	1.146	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/24/2013 9:10	0.548	0.712	0.586	1.164	0.445	1.077	0.58	1.011	0.595	1.146	30
7/24/2013 9:20	0.548	0.704	0.586	1.162	0.445	1.059	0.579	1.011	0.595	1.146	30
7/24/2013 9:30	0.548	0.698	0.586	1.16	0.445	1.039	0.579	1.011	0.595	1.147	30
7/24/2013 9:40	0.548	0.695	0.587	1.154	0.445	1.015	0.579	1.011	0.595	1.147	30
7/24/2013 9:50	0.548	0.686	0.587	1.141	0.445	0.995	0.579	1.011	0.596	1.147	30
7/24/2013 10:00	0.548	0.68	0.587	1.122	0.445	0.982	0.579	1.011	0.596	1.147	30
7/24/2013 10:10	0.548	0.674	0.587	1.097	0.445	0.965	0.579	1.011	0.595	1.147	30
7/24/2013 10:20	0.548	0.666	0.587	1.072	0.445	0.947	0.579	1.011	0.595	1.147	30
7/24/2013 10:30	0.548	0.66	0.587	1.037	0.445	0.932	0.579	1.01	0.596	1.147	30
7/24/2013 10:40	0.548	0.654	0.587	0.993	0.445	0.919	0.579	1.01	0.596	1.147	30
7/24/2013 10:50	0.548	0.649	0.587	0.955	0.444	0.907	0.579	1.01	0.595	1.147	30
7/24/2013 11:00	0.548	0.646	0.587	0.924	0.444	0.899	0.579	1.01	0.596	1.147	30
7/24/2013 11:10	0.548	0.643	0.587	0.892	0.444	0.891	0.579	1.009	0.596	1.147	30
7/24/2013 11:20	0.548	0.638	0.587	0.862	0.444	0.885	0.579	1.008	0.595	1.147	30
7/24/2013 11:30	0.548	0.633	0.587	0.833	0.444	0.88	0.579	1.007	0.596	1.147	30
7/24/2013 11:40	0.548	0.627	0.587	0.809	0.444	0.875	0.579	1.006	0.595	1.147	30
7/24/2013 11:50	0.548	0.623	0.587	0.792	0.444	0.872	0.579	1.005	0.595	1.146	30
7/24/2013 12:00	0.548	0.62	0.587	0.778	0.444	0.871	0.579	1.004	0.596	1.146	30
7/24/2013 12:10	0.548	0.617	0.587	0.764	0.444	0.87	0.579	1.002	0.595	1.146	30
7/24/2013 12:20	0.548	0.615	0.588	0.752	0.444	0.87	0.579	1.002	0.596	1.146	30
7/24/2013 12:30	0.548	0.613	0.588	0.74	0.444	0.869	0.579	1.003	0.596	1.146	30
7/24/2013 12:40	0.548	0.612	0.588	0.731	0.444	0.868	0.579	1.005	0.596	1.145	29.571
7/24/2013 12:50	0.548	0.611	0.588	0.723	0.444	0.867	0.579	1.007	0.596	1.145	30
7/24/2013 13:00	0.548	0.611	0.588	0.717	0.444	0.865	0.579	1.008	0.596	1.145	30
7/24/2013 13:10	0.548	0.61	0.588	0.712	0.444	0.862	0.579	1.009	0.596	1.145	30
7/24/2013 13:20	0.548	0.61	0.588	0.708	0.444	0.86	0.579	1.01	0.596	1.145	30
7/24/2013 13:30	0.548	0.611	0.588	0.704	0.445	0.858	0.579	1.011	0.596	1.144	30
7/24/2013 13:40	0.548	0.614	0.588	0.702	0.445	0.857	0.579	1.012	0.596	1.144	30
7/24/2013 13:50	0.548	0.618	0.588	0.701	0.445	0.856	0.579	1.011	0.595	1.144	30
7/24/2013 14:00	0.548	0.622	0.588	0.704	0.444	0.855	0.579	1.011	0.596	1.144	30
7/24/2013 14:10	0.548	0.626	0.588	0.717	0.444	0.854	0.579	1.011	0.595	1.144	30
7/24/2013 14:20	0.548	0.63	0.588	0.743	0.445	0.854	0.579	1.011	0.596	1.143	30
7/24/2013 14:30	0.548	0.636	0.588	0.772	0.445	0.853	0.579	1.012	0.596	1.143	30
7/24/2013 14:40	0.548	0.641	0.588	0.801	0.444	0.853	0.579	1.012	0.596	1.143	30
7/24/2013 14:50	0.548	0.648	0.588	0.826	0.444	0.853	0.579	1.013	0.596	1.143	30
7/24/2013 15:00	0.548	0.655	0.589	0.844	0.444	0.853	0.579	1.014	0.596	1.142	30
7/24/2013 15:10	0.549	0.664	0.589	0.861	0.444	0.852	0.579	1.014	0.595	1.142	30
7/24/2013 15:20	0.549	0.679	0.589	0.876	0.444	0.852	0.579	1.015	0.595	1.142	30
7/24/2013 15:30	0.549	0.696	0.589	0.896	0.444	0.852	0.579	1.016	0.595	1.142	30
7/24/2013 15:40	0.549	0.713	0.589	0.916	0.444	0.853	0.579	1.016	0.595	1.142	30
7/24/2013 15:50	0.549	0.733	0.589	0.94	0.444	0.853	0.579	1.017	0.595	1.142	30
7/24/2013 16:00	0.549	0.753	0.589	0.967	0.444	0.853	0.579	1.017	0.596	1.141	30
7/24/2013 16:10	0.549	0.771	0.589	1.003	0.444	0.853	0.579	1.017	0.596	1.141	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/24/2013 16:20	0.549	0.786	0.59	1.04	0.444	0.853	0.579	1.016	0.595	1.141	30
7/24/2013 16:30	0.549	0.796	0.59	1.074	0.445	0.853	0.579	1.016	0.596	1.141	30
7/24/2013 16:40	0.549	0.803	0.59	1.102	0.445	0.853	0.579	1.016	0.595	1.141	30
7/24/2013 16:50	0.549	0.805	0.59	1.125	0.445	0.854	0.579	1.015	0.596	1.141	30
7/24/2013 17:00	0.549	0.803	0.59	1.145	0.445	0.856	0.579	1.015	0.595	1.141	30
7/24/2013 17:10	0.549	0.801	0.59	1.157	0.445	0.861	0.579	1.014	0.596	1.141	30
7/24/2013 17:20	0.549	0.795	0.59	1.169	0.445	0.875	0.579	1.014	0.595	1.141	30
7/24/2013 17:30	0.549	0.787	0.59	1.176	0.445	0.895	0.579	1.013	0.595	1.141	30
7/24/2013 17:40	0.549	0.781	0.59	1.181	0.445	0.923	0.579	1.012	0.595	1.141	30
7/24/2013 17:50	0.549	0.773	0.59	1.185	0.445	0.955	0.579	1.012	0.595	1.141	30
7/24/2013 18:00	0.549	0.768	0.591	1.187	0.445	0.988	0.579	1.011	0.596	1.141	30
7/24/2013 18:10	0.549	0.762	0.591	1.187	0.445	1.023	0.579	1.01	0.595	1.141	30
7/24/2013 18:20	0.549	0.756	0.591	1.187	0.445	1.06	0.579	1.01	0.595	1.141	30
7/24/2013 18:30	0.549	0.752	0.591	1.188	0.445	1.095	0.579	1.01	0.596	1.141	30
7/24/2013 18:40	0.549	0.746	0.591	1.188	0.445	1.125	0.579	1.009	0.595	1.141	30
7/24/2013 18:50	0.549	0.743	0.591	1.188	0.445	1.15	0.579	1.009	0.595	1.141	30
7/24/2013 19:00	0.549	0.74	0.591	1.188	0.445	1.171	0.579	1.01	0.595	1.141	30
7/24/2013 19:10	0.549	0.739	0.591	1.187	0.445	1.189	0.579	1.01	0.595	1.141	30
7/24/2013 19:20	0.549	0.738	0.591	1.186	0.445	1.203	0.579	1.01	0.595	1.141	30
7/24/2013 19:30	0.549	0.736	0.591	1.185	0.445	1.215	0.579	1.01	0.595	1.141	30
7/24/2013 19:40	0.549	0.735	0.591	1.184	0.446	1.225	0.579	1.01	0.595	1.141	30
7/24/2013 19:50	0.549	0.736	0.591	1.184	0.446	1.229	0.579	1.01	0.595	1.141	30
7/24/2013 20:00	0.549	0.735	0.591	1.183	0.446	1.234	0.579	1.011	0.595	1.141	30
7/24/2013 20:10	0.549	0.737	0.591	1.182	0.446	1.236	0.579	1.01	0.595	1.141	30
7/24/2013 20:20	0.549	0.739	0.591	1.182	0.446	1.24	0.579	1.01	0.595	1.141	30
7/24/2013 20:30	0.549	0.741	0.591	1.181	0.446	1.24	0.579	1.011	0.595	1.141	30
7/24/2013 20:40	0.549	0.743	0.592	1.182	0.446	1.241	0.579	1.011	0.595	1.141	30
7/24/2013 20:50	0.549	0.745	0.592	1.182	0.446	1.239	0.579	1.011	0.595	1.141	30
7/24/2013 21:00	0.549	0.748	0.592	1.181	0.446	1.236	0.579	1.012	0.596	1.142	30
7/24/2013 21:10	0.549	0.75	0.592	1.181	0.446	1.233	0.579	1.011	0.595	1.143	30
7/24/2013 21:20	0.549	0.752	0.592	1.181	0.446	1.23	0.58	1.011	0.595	1.144	30
7/24/2013 21:30	0.549	0.754	0.592	1.18	0.446	1.226	0.58	1.011	0.594	1.144	30
7/24/2013 21:40	0.549	0.756	0.592	1.18	0.446	1.222	0.58	1.011	0.595	1.145	30
7/24/2013 21:50	0.549	0.756	0.592	1.18	0.446	1.218	0.58	1.011	0.595	1.145	30
7/24/2013 22:00	0.549	0.757	0.592	1.18	0.446	1.214	0.58	1.012	0.595	1.145	30
7/24/2013 22:10	0.549	0.757	0.592	1.179	0.446	1.21	0.58	1.011	0.594	1.146	30
7/24/2013 22:20	0.55	0.756	0.592	1.179	0.446	1.204	0.58	1.011	0.594	1.146	30
7/24/2013 22:30	0.55	0.754	0.592	1.178	0.446	1.2	0.58	1.011	0.595	1.146	30
7/24/2013 22:40	0.55	0.75	0.592	1.178	0.447	1.197	0.58	1.011	0.595	1.146	30
7/24/2013 22:50	0.55	0.74	0.592	1.177	0.447	1.195	0.58	1.012	0.595	1.146	30
7/24/2013 23:00	0.55	0.721	0.592	1.177	0.447	1.193	0.58	1.012	0.595	1.146	30
7/24/2013 23:10	0.549	0.707	0.592	1.176	0.447	1.189	0.58	1.012	0.594	1.146	30
7/24/2013 23:20	0.549	0.705	0.592	1.175	0.447	1.184	0.58	1.011	0.594	1.146	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/24/2013 23:30	0.549	0.704	0.593	1.174	0.447	1.176	0.58	1.011	0.594	1.146	30
7/24/2013 23:40	0.549	0.703	0.593	1.172	0.447	1.166	0.58	1.011	0.595	1.146	30
7/24/2013 23:50	0.549	0.703	0.593	1.171	0.447	1.151	0.58	1.011	0.595	1.146	30
7/25/2013 0:00	0.549	0.702	0.593	1.169	0.447	1.128	0.58	1.011	0.595	1.146	30
7/25/2013 0:10	0.549	0.702	0.593	1.167	0.447	1.104	0.58	1.011	0.595	1.146	30
7/25/2013 0:20	0.549	0.701	0.593	1.165	0.447	1.082	0.58	1.011	0.595	1.146	30
7/25/2013 0:30	0.549	0.701	0.593	1.163	0.447	1.066	0.58	1.011	0.595	1.146	30
7/25/2013 0:40	0.549	0.7	0.593	1.161	0.447	1.052	0.58	1.012	0.595	1.146	30
7/25/2013 0:50	0.549	0.699	0.593	1.158	0.447	1.037	0.58	1.012	0.594	1.146	30
7/25/2013 1:00	0.549	0.696	0.593	1.156	0.447	1.022	0.58	1.012	0.595	1.146	30
7/25/2013 1:10	0.549	0.693	0.593	1.153	0.446	1.007	0.58	1.012	0.594	1.146	30
7/25/2013 1:20	0.549	0.691	0.593	1.149	0.446	0.992	0.58	1.012	0.595	1.146	30
7/25/2013 1:30	0.549	0.689	0.593	1.146	0.446	0.979	0.58	1.012	0.594	1.146	30
7/25/2013 1:40	0.549	0.687	0.593	1.142	0.446	0.967	0.58	1.012	0.595	1.146	30
7/25/2013 1:50	0.55	0.686	0.593	1.139	0.446	0.957	0.58	1.011	0.594	1.146	30
7/25/2013 2:00	0.55	0.685	0.593	1.136	0.446	0.948	0.58	1.012	0.595	1.146	30
7/25/2013 2:10	0.55	0.684	0.593	1.134	0.446	0.94	0.579	1.011	0.595	1.147	30
7/25/2013 2:20	0.55	0.684	0.593	1.132	0.446	0.933	0.579	1.011	0.595	1.147	30
7/25/2013 2:30	0.55	0.683	0.593	1.131	0.446	0.927	0.579	1.011	0.595	1.147	30
7/25/2013 2:40	0.55	0.683	0.594	1.131	0.446	0.921	0.579	1.011	0.595	1.147	30
7/25/2013 2:50	0.55	0.683	0.594	1.131	0.446	0.916	0.579	1.011	0.595	1.147	30
7/25/2013 3:00	0.55	0.683	0.594	1.134	0.446	0.913	0.579	1.011	0.595	1.147	30
7/25/2013 3:10	0.55	0.683	0.594	1.137	0.446	0.909	0.579	1.011	0.595	1.147	30
7/25/2013 3:20	0.55	0.683	0.594	1.141	0.446	0.907	0.578	1.011	0.595	1.147	30
7/25/2013 3:30	0.55	0.683	0.594	1.146	0.446	0.904	0.579	1.011	0.595	1.147	30
7/25/2013 3:40	0.55	0.683	0.594	1.151	0.446	0.902	0.579	1.011	0.595	1.148	30
7/25/2013 3:50	0.55	0.684	0.594	1.156	0.446	0.901	0.579	1.011	0.595	1.148	30
7/25/2013 4:00	0.55	0.688	0.594	1.161	0.446	0.901	0.579	1.012	0.596	1.148	30
7/25/2013 4:10	0.55	0.694	0.594	1.165	0.446	0.9	0.578	1.011	0.595	1.148	30
7/25/2013 4:20	0.55	0.703	0.594	1.168	0.446	0.901	0.578	1.011	0.595	1.148	30
7/25/2013 4:30	0.55	0.713	0.594	1.168	0.446	0.903	0.579	1.012	0.595	1.148	30
7/25/2013 4:40	0.55	0.721	0.594	1.17	0.446	0.905	0.578	1.012	0.595	1.148	30
7/25/2013 4:50	0.55	0.728	0.594	1.171	0.446	0.91	0.578	1.01	0.595	1.148	30
7/25/2013 5:00	0.55	0.734	0.594	1.172	0.446	0.916	0.578	1.011	0.595	1.148	30
7/25/2013 5:10	0.55	0.74	0.594	1.172	0.446	0.924	0.578	1.011	0.595	1.148	30
7/25/2013 5:20	0.55	0.746	0.594	1.173	0.446	0.933	0.578	1.011	0.595	1.148	30
7/25/2013 5:30	0.55	0.75	0.594	1.174	0.446	0.942	0.578	1.011	0.595	1.148	30
7/25/2013 5:40	0.55	0.753	0.594	1.175	0.446	0.952	0.578	1.012	0.595	1.148	30
7/25/2013 5:50	0.55	0.756	0.594	1.175	0.446	0.964	0.578	1.012	0.595	1.148	30
7/25/2013 6:00	0.55	0.758	0.594	1.176	0.446	0.978	0.578	1.012	0.595	1.148	30
7/25/2013 6:10	0.55	0.76	0.595	1.176	0.446	0.991	0.579	1.012	0.595	1.148	30
7/25/2013 6:20	0.55	0.762	0.595	1.176	0.446	1.003	0.579	1.012	0.595	1.148	30
7/25/2013 6:30	0.55	0.763	0.595	1.176	0.446	1.015	0.579	1.012	0.595	1.148	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/25/2013 6:40	0.55	0.764	0.595	1.176	0.446	1.027	0.579	1.013	0.595	1.148	30
7/25/2013 6:50	0.55	0.765	0.595	1.177	0.446	1.04	0.579	1.013	0.595	1.147	30
7/25/2013 7:00	0.55	0.765	0.595	1.177	0.446	1.054	0.579	1.013	0.595	1.147	30
7/25/2013 7:10	0.55	0.766	0.595	1.177	0.446	1.067	0.579	1.013	0.595	1.146	30
7/25/2013 7:20	0.55	0.769	0.595	1.178	0.446	1.079	0.579	1.013	0.595	1.146	30
7/25/2013 7:30	0.55	0.772	0.595	1.179	0.446	1.09	0.578	1.013	0.595	1.145	30
7/25/2013 7:40	0.55	0.775	0.595	1.18	0.446	1.098	0.578	1.013	0.595	1.145	30
7/25/2013 7:50	0.551	0.779	0.595	1.18	0.446	1.105	0.578	1.013	0.595	1.144	30
7/25/2013 8:00	0.551	0.781	0.594	1.18	0.446	1.111	0.578	1.014	0.595	1.144	30
7/25/2013 8:10	0.551	0.782	0.594	1.18	0.446	1.114	0.578	1.013	0.595	1.144	30
7/25/2013 8:20	0.551	0.782	0.594	1.18	0.446	1.117	0.578	1.013	0.595	1.143	30
7/25/2013 8:30	0.551	0.781	0.594	1.18	0.446	1.118	0.578	1.013	0.595	1.143	30
7/25/2013 8:40	0.551	0.778	0.595	1.18	0.446	1.117	0.577	1.013	0.595	1.143	30
7/25/2013 8:50	0.551	0.774	0.595	1.179	0.446	1.116	0.577	1.013	0.595	1.143	30
7/25/2013 9:00	0.551	0.769	0.595	1.178	0.446	1.112	0.577	1.015	0.596	1.143	30
7/25/2013 9:10	0.551	0.764	0.595	1.178	0.446	1.107	0.577	1.014	0.595	1.143	30
7/25/2013 9:20	0.551	0.756	0.595	1.177	0.446	1.1	0.577	1.014	0.596	1.143	30
7/25/2013 9:30	0.551	0.744	0.595	1.176	0.446	1.09	0.577	1.013	0.595	1.143	30
7/25/2013 9:40	0.551	0.738	0.595	1.175	0.446	1.082	0.577	1.013	0.595	1.143	30
7/25/2013 9:50	0.551	0.732	0.595	1.174	0.446	1.072	0.577	1.013	0.596	1.143	30
7/25/2013 10:00	0.551	0.723	0.595	1.173	0.446	1.061	0.577	1.013	0.596	1.143	30
7/25/2013 10:10	0.551	0.717	0.595	1.171	0.446	1.048	0.577	1.012	0.596	1.143	30
7/25/2013 10:20	0.551	0.71	0.595	1.166	0.446	1.032	0.577	1.012	0.596	1.143	30
7/25/2013 10:30	0.551	0.702	0.595	1.158	0.446	1.01	0.577	1.012	0.596	1.143	30
7/25/2013 10:40	0.551	0.694	0.595	1.147	0.446	0.985	0.577	1.012	0.596	1.144	30
7/25/2013 10:50	0.551	0.689	0.595	1.131	0.446	0.966	0.577	1.011	0.596	1.144	30
7/25/2013 11:00	0.551	0.679	0.595	1.104	0.446	0.951	0.577	1.012	0.596	1.144	30
7/25/2013 11:10	0.551	0.672	0.595	1.07	0.446	0.937	0.576	1.011	0.596	1.144	30
7/25/2013 11:20	0.551	0.666	0.595	1.039	0.446	0.923	0.576	1.011	0.595	1.144	30
7/25/2013 11:30	0.551	0.657	0.595	1.006	0.446	0.911	0.576	1.011	0.595	1.143	30
7/25/2013 11:40	0.551	0.648	0.595	0.971	0.446	0.9	0.576	1.011	0.596	1.144	30
7/25/2013 11:50	0.551	0.643	0.595	0.94	0.446	0.892	0.576	1.011	0.596	1.144	30
7/25/2013 12:00	0.551	0.637	0.595	0.92	0.446	0.886	0.576	1.011	0.596	1.144	30
7/25/2013 12:10	0.551	0.634	0.595	0.899	0.445	0.881	0.576	1.01	0.594	1.144	30
7/25/2013 12:20	0.551	0.631	0.595	0.875	0.445	0.876	0.576	1.009	0.595	1.144	30
7/25/2013 12:30	0.551	0.628	0.595	0.853	0.445	0.873	0.576	1.008	0.595	1.144	30
7/25/2013 12:40	0.551	0.624	0.595	0.827	0.445	0.87	0.576	1.007	0.595	1.144	30
7/25/2013 12:50	0.551	0.62	0.596	0.802	0.445	0.868	0.576	1.005	0.594	1.144	30
7/25/2013 13:00	0.551	0.617	0.596	0.78	0.445	0.866	0.576	1.005	0.594	1.143	30
7/25/2013 13:10	0.551	0.615	0.596	0.763	0.445	0.865	0.576	1.004	0.594	1.143	30
7/25/2013 13:20	0.552	0.613	0.596	0.748	0.445	0.864	0.576	1.006	0.594	1.143	30
7/25/2013 13:30	0.552	0.611	0.596	0.737	0.445	0.864	0.576	1.008	0.594	1.143	30
7/25/2013 13:40	0.552	0.61	0.596	0.728	0.445	0.862	0.576	1.008	0.594	1.142	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/25/2013 13:50	0.552	0.609	0.596	0.72	0.445	0.86	0.576	1.01	0.594	1.142	30
7/25/2013 14:00	0.552	0.61	0.596	0.716	0.445	0.859	0.576	1.01	0.594	1.142	30
7/25/2013 14:10	0.552	0.611	0.596	0.713	0.445	0.857	0.576	1.01	0.594	1.142	30
7/25/2013 14:20	0.552	0.613	0.596	0.714	0.445	0.856	0.576	1.01	0.594	1.142	30
7/25/2013 14:30	0.552	0.617	0.597	0.72	0.445	0.855	0.576	1.011	0.594	1.142	30
7/25/2013 14:40	0.552	0.622	0.597	0.736	0.445	0.854	0.576	1.011	0.594	1.142	30
7/25/2013 14:50	0.551	0.627	0.597	0.758	0.445	0.854	0.576	1.011	0.594	1.141	30
7/25/2013 15:00	0.551	0.632	0.597	0.779	0.445	0.854	0.576	1.011	0.594	1.141	30
7/25/2013 15:10	0.551	0.637	0.597	0.802	0.445	0.853	0.576	1.011	0.594	1.141	30
7/25/2013 15:20	0.551	0.643	0.597	0.825	0.445	0.853	0.576	1.012	0.594	1.141	30
7/25/2013 15:30	0.551	0.649	0.597	0.842	0.445	0.853	0.576	1.012	0.594	1.141	30
7/25/2013 15:40	0.552	0.657	0.597	0.855	0.445	0.853	0.576	1.013	0.595	1.141	30
7/25/2013 15:50	0.552	0.666	0.598	0.87	0.445	0.853	0.576	1.014	0.594	1.141	30
7/25/2013 16:00	0.552	0.68	0.598	0.885	0.445	0.854	0.576	1.015	0.594	1.14	30
7/25/2013 16:10	0.552	0.697	0.598	0.901	0.445	0.854	0.576	1.015	0.594	1.14	30
7/25/2013 16:20	0.552	0.714	0.598	0.921	0.445	0.854	0.576	1.016	0.594	1.14	30
7/25/2013 16:30	0.552	0.734	0.598	0.947	0.445	0.854	0.576	1.016	0.595	1.14	30
7/25/2013 16:40	0.552	0.753	0.598	0.979	0.445	0.854	0.576	1.017	0.595	1.14	30
7/25/2013 16:50	0.552	0.768	0.598	1.016	0.445	0.854	0.576	1.017	0.595	1.14	30
7/25/2013 17:00	0.552	0.781	0.599	1.051	0.444	0.854	0.576	1.017	0.595	1.139	30
7/25/2013 17:10	0.552	0.79	0.599	1.081	0.445	0.854	0.576	1.017	0.595	1.139	30
7/25/2013 17:20	0.552	0.794	0.599	1.106	0.445	0.855	0.576	1.016	0.595	1.139	30
7/25/2013 17:30	0.552	0.796	0.599	1.126	0.444	0.855	0.576	1.016	0.594	1.139	30
7/25/2013 17:40	0.552	0.794	0.599	1.144	0.444	0.856	0.576	1.016	0.594	1.139	30
7/25/2013 17:50	0.552	0.79	0.599	1.156	0.444	0.859	0.576	1.015	0.594	1.139	30
7/25/2013 18:00	0.552	0.786	0.599	1.166	0.444	0.867	0.577	1.015	0.595	1.139	30
7/25/2013 18:10	0.552	0.778	0.599	1.173	0.444	0.882	0.577	1.013	0.594	1.139	30
7/25/2013 18:20	0.552	0.773	0.599	1.179	0.444	0.904	0.576	1.012	0.594	1.139	30
7/25/2013 18:30	0.552	0.766	0.599	1.183	0.444	0.932	0.576	1.012	0.594	1.139	30
7/25/2013 18:40	0.552	0.761	0.599	1.184	0.444	0.966	0.576	1.011	0.594	1.139	30
7/25/2013 18:50	0.552	0.757	0.599	1.186	0.444	1.003	0.576	1.011	0.594	1.139	30
7/25/2013 19:00	0.552	0.754	0.599	1.187	0.444	1.04	0.576	1.011	0.594	1.139	30
7/25/2013 19:10	0.552	0.751	0.6	1.187	0.445	1.073	0.576	1.011	0.594	1.139	30
7/25/2013 19:20	0.552	0.75	0.6	1.188	0.445	1.102	0.576	1.01	0.593	1.139	30
7/25/2013 19:30	0.552	0.748	0.6	1.187	0.445	1.127	0.576	1.01	0.594	1.139	30
7/25/2013 19:40	0.552	0.748	0.6	1.188	0.445	1.147	0.576	1.01	0.594	1.139	30
7/25/2013 19:50	0.552	0.748	0.6	1.188	0.445	1.164	0.576	1.01	0.593	1.139	30
7/25/2013 20:00	0.552	0.75	0.6	1.187	0.445	1.181	0.576	1.01	0.594	1.139	30
7/25/2013 20:10	0.552	0.752	0.6	1.186	0.445	1.191	0.576	1.01	0.593	1.139	30
7/25/2013 20:20	0.552	0.753	0.6	1.186	0.445	1.196	0.576	1.01	0.594	1.139	30
7/25/2013 20:30	0.552	0.756	0.6	1.185	0.445	1.203	0.576	1.01	0.594	1.139	30
7/25/2013 20:40	0.552	0.758	0.6	1.184	0.446	1.207	0.576	1.01	0.594	1.139	30
7/25/2013 20:50	0.552	0.76	0.6	1.184	0.446	1.208	0.575	1.01	0.594	1.139	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/25/2013 21:00	0.552	0.763	0.601	1.183	0.446	1.21	0.575	1.011	0.594	1.139	30
7/25/2013 21:10	0.552	0.766	0.601	1.183	0.446	1.209	0.576	1.01	0.593	1.139	30
7/25/2013 21:20	0.552	0.768	0.601	1.184	0.446	1.208	0.576	1.011	0.594	1.139	30
7/25/2013 21:30	0.552	0.771	0.601	1.184	0.446	1.206	0.576	1.011	0.594	1.139	30
7/25/2013 21:40	0.552	0.773	0.601	1.184	0.446	1.203	0.576	1.011	0.594	1.14	30
7/25/2013 21:50	0.552	0.774	0.601	1.184	0.446	1.202	0.576	1.011	0.593	1.14	30
7/25/2013 22:00	0.553	0.775	0.601	1.184	0.446	1.198	0.576	1.011	0.594	1.14	30
7/25/2013 22:10	0.553	0.777	0.601	1.183	0.446	1.195	0.576	1.01	0.594	1.14	30
7/25/2013 22:20	0.553	0.778	0.601	1.183	0.446	1.191	0.577	1.01	0.594	1.141	30
7/25/2013 22:30	0.553	0.778	0.601	1.183	0.446	1.189	0.577	1.01	0.594	1.141	30
7/25/2013 22:40	0.553	0.778	0.601	1.183	0.446	1.186	0.577	1.009	0.594	1.141	30
7/25/2013 22:50	0.553	0.777	0.601	1.182	0.446	1.181	0.577	1.009	0.594	1.141	30
7/25/2013 23:00	0.553	0.774	0.601	1.182	0.446	1.176	0.577	1.01	0.594	1.142	30
7/25/2013 23:10	0.553	0.77	0.601	1.181	0.447	1.172	0.577	1.009	0.594	1.142	30
7/25/2013 23:20	0.553	0.765	0.601	1.181	0.447	1.17	0.577	1.01	0.594	1.142	30
7/25/2013 23:30	0.553	0.751	0.601	1.18	0.447	1.169	0.577	1.01	0.594	1.142	30
7/25/2013 23:40	0.553	0.721	0.601	1.179	0.447	1.167	0.577	1.01	0.594	1.143	30
7/25/2013 23:50	0.553	0.717	0.602	1.177	0.447	1.163	0.577	1.01	0.594	1.143	30
7/26/2013 0:00	0.553	0.715	0.602	1.176	0.447	1.156	0.577	1.01	0.595	1.144	30
7/26/2013 0:10	0.553	0.713	0.602	1.173	0.447	1.148	0.577	1.01	0.594	1.144	30
7/26/2013 0:20	0.553	0.713	0.602	1.171	0.447	1.137	0.577	1.01	0.594	1.144	30
7/26/2013 0:30	0.553	0.712	0.602	1.169	0.447	1.118	0.577	1.01	0.594	1.144	30
7/26/2013 0:40	0.553	0.712	0.602	1.166	0.447	1.097	0.577	1.01	0.594	1.144	30
7/26/2013 0:50	0.553	0.711	0.602	1.162	0.447	1.077	0.577	1.011	0.595	1.144	30
7/26/2013 1:00	0.553	0.709	0.602	1.158	0.447	1.062	0.577	1.012	0.595	1.144	30
7/26/2013 1:10	0.552	0.704	0.602	1.153	0.447	1.046	0.577	1.012	0.594	1.145	30
7/26/2013 1:20	0.553	0.698	0.602	1.148	0.447	1.03	0.577	1.012	0.594	1.145	30
7/26/2013 1:30	0.552	0.694	0.602	1.14	0.447	1.012	0.577	1.012	0.594	1.145	30
7/26/2013 1:40	0.552	0.691	0.602	1.129	0.447	0.993	0.577	1.012	0.593	1.145	30
7/26/2013 1:50	0.552	0.687	0.602	1.117	0.447	0.977	0.577	1.012	0.594	1.144	30
7/26/2013 2:00	0.552	0.685	0.602	1.103	0.447	0.962	0.577	1.013	0.594	1.144	30
7/26/2013 2:10	0.552	0.682	0.602	1.091	0.447	0.948	0.577	1.012	0.594	1.145	30
7/26/2013 2:20	0.552	0.681	0.602	1.079	0.447	0.937	0.577	1.012	0.594	1.144	30
7/26/2013 2:30	0.552	0.678	0.602	1.069	0.447	0.928	0.577	1.012	0.594	1.145	30
7/26/2013 2:40	0.552	0.677	0.603	1.06	0.447	0.92	0.577	1.012	0.594	1.144	30
7/26/2013 2:50	0.552	0.676	0.603	1.053	0.447	0.912	0.577	1.012	0.594	1.145	30
7/26/2013 3:00	0.552	0.675	0.603	1.047	0.447	0.907	0.577	1.012	0.595	1.145	30
7/26/2013 3:10	0.552	0.674	0.603	1.044	0.447	0.901	0.577	1.011	0.594	1.145	30
7/26/2013 3:20	0.552	0.673	0.603	1.042	0.447	0.897	0.577	1.011	0.595	1.145	30
7/26/2013 3:30	0.552	0.673	0.603	1.043	0.447	0.893	0.577	1.011	0.594	1.145	30
7/26/2013 3:40	0.552	0.673	0.603	1.048	0.447	0.89	0.577	1.012	0.594	1.145	30
7/26/2013 3:50	0.552	0.673	0.603	1.056	0.447	0.887	0.577	1.012	0.593	1.145	30
7/26/2013 4:00	0.552	0.674	0.603	1.066	0.447	0.884	0.577	1.012	0.594	1.145	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/26/2013 4:10	0.552	0.674	0.603	1.078	0.447	0.882	0.577	1.012	0.594	1.145	30
7/26/2013 4:20	0.552	0.675	0.603	1.092	0.447	0.88	0.577	1.012	0.594	1.145	30
7/26/2013 4:30	0.552	0.676	0.603	1.107	0.447	0.879	0.577	1.012	0.594	1.145	30
7/26/2013 4:40	0.552	0.677	0.603	1.12	0.447	0.878	0.577	1.012	0.594	1.145	30
7/26/2013 4:50	0.552	0.679	0.603	1.131	0.446	0.878	0.577	1.012	0.594	1.145	30
7/26/2013 5:00	0.552	0.684	0.604	1.14	0.446	0.878	0.577	1.013	0.594	1.146	30
7/26/2013 5:10	0.552	0.693	0.604	1.147	0.446	0.877	0.577	1.012	0.595	1.146	30
7/26/2013 5:20	0.552	0.703	0.604	1.153	0.446	0.877	0.577	1.012	0.594	1.146	30
7/26/2013 5:30	0.552	0.713	0.604	1.158	0.446	0.878	0.577	1.012	0.594	1.146	30
7/26/2013 5:40	0.552	0.722	0.604	1.163	0.446	0.878	0.576	1.013	0.595	1.146	30
7/26/2013 5:50	0.552	0.73	0.604	1.168	0.446	0.879	0.576	1.013	0.595	1.146	30
7/26/2013 6:00	0.552	0.737	0.604	1.172	0.446	0.88	0.576	1.014	0.595	1.146	30
7/26/2013 6:10	0.552	0.744	0.604	1.174	0.446	0.881	0.576	1.014	0.594	1.146	30
7/26/2013 6:20	0.552	0.751	0.604	1.177	0.446	0.884	0.576	1.013	0.595	1.145	30
7/26/2013 6:30	0.552	0.756	0.604	1.18	0.446	0.889	0.576	1.013	0.595	1.146	30
7/26/2013 6:40	0.552	0.76	0.604	1.182	0.446	0.897	0.577	1.013	0.595	1.146	30
7/26/2013 6:50	0.552	0.763	0.604	1.184	0.446	0.906	0.577	1.013	0.595	1.146	30
7/26/2013 7:00	0.552	0.765	0.604	1.185	0.446	0.916	0.577	1.013	0.595	1.146	30
7/26/2013 7:10	0.552	0.766	0.604	1.186	0.447	0.927	0.577	1.013	0.594	1.146	30
7/26/2013 7:20	0.552	0.767	0.604	1.187	0.447	0.94	0.577	1.013	0.595	1.146	30
7/26/2013 7:30	0.552	0.767	0.604	1.189	0.447	0.953	0.577	1.013	0.595	1.145	30
7/26/2013 7:40	0.552	0.767	0.604	1.19	0.447	0.965	0.577	1.013	0.594	1.145	30
7/26/2013 7:50	0.552	0.767	0.604	1.191	0.447	0.977	0.577	1.013	0.595	1.146	30
7/26/2013 8:00	0.552	0.767	0.604	1.192	0.447	0.988	0.577	1.013	0.595	1.146	30
7/26/2013 8:10	0.552	0.767	0.604	1.193	0.447	0.998	0.577	1.013	0.595	1.146	30
7/26/2013 8:20	0.552	0.767	0.604	1.194	0.447	1.007	0.577	1.013	0.594	1.145	30
7/26/2013 8:30	0.553	0.767	0.604	1.195	0.447	1.015	0.577	1.013	0.595	1.145	30
7/26/2013 8:40	0.553	0.767	0.604	1.197	0.447	1.022	0.577	1.013	0.595	1.145	30
7/26/2013 8:50	0.553	0.768	0.604	1.198	0.447	1.028	0.576	1.013	0.595	1.145	30
7/26/2013 9:00	0.553	0.767	0.604	1.198	0.447	1.033	0.576	1.013	0.595	1.145	30
7/26/2013 9:10	0.553	0.767	0.605	1.198	0.447	1.037	0.576	1.013	0.595	1.145	30
7/26/2013 9:20	0.553	0.767	0.605	1.198	0.447	1.039	0.576	1.013	0.595	1.145	30
7/26/2013 9:30	0.553	0.766	0.605	1.199	0.447	1.041	0.576	1.012	0.595	1.145	30
7/26/2013 9:40	0.553	0.764	0.605	1.199	0.447	1.041	0.576	1.012	0.594	1.145	30
7/26/2013 9:50	0.553	0.761	0.605	1.198	0.447	1.04	0.576	1.012	0.594	1.145	30
7/26/2013 10:00	0.553	0.759	0.605	1.198	0.447	1.038	0.576	1.014	0.595	1.144	30
7/26/2013 10:10	0.553	0.756	0.604	1.197	0.447	1.034	0.576	1.013	0.595	1.145	30
7/26/2013 10:20	0.553	0.752	0.605	1.196	0.447	1.03	0.576	1.013	0.595	1.145	30
7/26/2013 10:30	0.553	0.744	0.605	1.194	0.447	1.024	0.576	1.013	0.595	1.145	30
7/26/2013 10:40	0.553	0.738	0.604	1.191	0.447	1.018	0.576	1.013	0.595	1.145	30
7/26/2013 10:50	0.553	0.734	0.604	1.188	0.447	1.011	0.576	1.013	0.595	1.145	30
7/26/2013 11:00	0.553	0.729	0.604	1.185	0.447	1.003	0.576	1.013	0.596	1.145	30
7/26/2013 11:10	0.553	0.722	0.604	1.179	0.447	0.99	0.576	1.012	0.596	1.145	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/26/2013 11:20	0.553	0.715	0.605	1.172	0.447	0.974	0.576	1.013	0.595	1.145	30
7/26/2013 11:30	0.553	0.707	0.605	1.163	0.447	0.956	0.576	1.013	0.596	1.145	30
7/26/2013 11:40	0.553	0.7	0.605	1.149	0.447	0.938	0.576	1.013	0.596	1.145	30
7/26/2013 11:50	0.553	0.691	0.605	1.132	0.447	0.923	0.576	1.013	0.596	1.145	30
7/26/2013 12:00	0.553	0.686	0.605	1.109	0.446	0.91	0.576	1.013	0.596	1.145	30
7/26/2013 12:10	0.553	0.679	0.605	1.08	0.446	0.901	0.576	1.012	0.596	1.145	30
7/26/2013 12:20	0.553	0.668	0.605	1.045	0.446	0.895	0.576	1.012	0.596	1.145	30
7/26/2013 12:30	0.553	0.658	0.605	1.007	0.446	0.89	0.576	1.012	0.596	1.145	30
7/26/2013 12:40	0.553	0.648	0.605	0.974	0.446	0.885	0.576	1.012	0.595	1.145	30
7/26/2013 12:50	0.553	0.638	0.605	0.945	0.446	0.88	0.576	1.012	0.596	1.145	30
7/26/2013 13:00	0.553	0.631	0.605	0.923	0.446	0.877	0.576	1.012	0.596	1.145	30
7/26/2013 13:10	0.553	0.624	0.605	0.903	0.446	0.873	0.576	1.011	0.596	1.145	30
7/26/2013 13:20	0.553	0.621	0.606	0.885	0.446	0.87	0.576	1.011	0.596	1.145	30
7/26/2013 13:30	0.553	0.619	0.606	0.869	0.446	0.868	0.576	1.01	0.596	1.145	30
7/26/2013 13:40	0.553	0.616	0.606	0.857	0.446	0.866	0.576	1.008	0.596	1.145	30
7/26/2013 13:50	0.553	0.614	0.606	0.844	0.446	0.866	0.576	1.008	0.596	1.144	30
7/26/2013 14:00	0.553	0.612	0.606	0.833	0.446	0.866	0.575	1.009	0.596	1.144	30
7/26/2013 14:10	0.553	0.611	0.606	0.822	0.446	0.864	0.575	1.01	0.596	1.144	30
7/26/2013 14:20	0.553	0.611	0.606	0.812	0.446	0.863	0.575	1.011	0.595	1.144	30
7/26/2013 14:30	0.553	0.61	0.606	0.804	0.446	0.861	0.575	1.011	0.595	1.143	30
7/26/2013 14:40	0.553	0.611	0.606	0.798	0.446	0.86	0.575	1.012	0.596	1.143	30
7/26/2013 14:50	0.553	0.612	0.606	0.795	0.446	0.859	0.575	1.013	0.596	1.143	30
7/26/2013 15:00	0.553	0.615	0.606	0.796	0.446	0.858	0.575	1.015	0.596	1.142	30
7/26/2013 15:10	0.553	0.619	0.606	0.799	0.447	0.857	0.575	1.015	0.596	1.142	30
7/26/2013 15:20	0.553	0.623	0.607	0.806	0.447	0.857	0.575	1.015	0.595	1.142	30
7/26/2013 15:30	0.553	0.626	0.607	0.815	0.447	0.856	0.575	1.015	0.596	1.141	30
7/26/2013 15:40	0.553	0.631	0.607	0.826	0.447	0.856	0.575	1.016	0.596	1.141	30
7/26/2013 15:50	0.553	0.635	0.607	0.837	0.447	0.856	0.575	1.016	0.596	1.141	30
7/26/2013 16:00	0.553	0.64	0.607	0.85	0.447	0.856	0.575	1.016	0.596	1.141	30
7/26/2013 16:10	0.553	0.645	0.607	0.862	0.447	0.855	0.575	1.016	0.596	1.141	30
7/26/2013 16:20	0.553	0.652	0.607	0.874	0.447	0.855	0.575	1.017	0.596	1.14	30
7/26/2013 16:30	0.553	0.664	0.607	0.889	0.447	0.856	0.575	1.017	0.596	1.14	30
7/26/2013 16:40	0.553	0.679	0.607	0.908	0.447	0.856	0.575	1.018	0.596	1.14	30
7/26/2013 16:50	0.553	0.695	0.607	0.928	0.447	0.856	0.574	1.018	0.596	1.14	30
7/26/2013 17:00	0.553	0.711	0.607	0.958	0.447	0.856	0.574	1.018	0.596	1.14	30
7/26/2013 17:10	0.553	0.728	0.608	0.997	0.447	0.856	0.574	1.018	0.596	1.14	30
7/26/2013 17:20	0.553	0.746	0.608	1.043	0.447	0.857	0.574	1.018	0.596	1.139	30
7/26/2013 17:30	0.554	0.76	0.608	1.083	0.447	0.857	0.574	1.017	0.596	1.139	30
7/26/2013 17:40	0.554	0.771	0.608	1.113	0.447	0.857	0.574	1.017	0.596	1.139	30
7/26/2013 17:50	0.554	0.78	0.608	1.136	0.447	0.857	0.574	1.017	0.596	1.139	30
7/26/2013 18:00	0.554	0.784	0.608	1.154	0.448	0.858	0.574	1.018	0.596	1.139	30
7/26/2013 18:10	0.554	0.787	0.608	1.166	0.448	0.857	0.574	1.017	0.596	1.139	30
7/26/2013 18:20	0.554	0.787	0.608	1.177	0.448	0.858	0.574	1.015	0.596	1.139	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/26/2013 18:30	0.554	0.785	0.608	1.184	0.448	0.858	0.574	1.016	0.595	1.139	30
7/26/2013 18:40	0.554	0.781	0.608	1.19	0.448	0.859	0.574	1.015	0.596	1.139	30
7/26/2013 18:50	0.554	0.776	0.608	1.195	0.448	0.863	0.574	1.015	0.596	1.138	30
7/26/2013 19:00	0.554	0.77	0.608	1.197	0.448	0.878	0.574	1.014	0.596	1.138	30
7/26/2013 19:10	0.554	0.765	0.609	1.2	0.448	0.903	0.574	1.013	0.595	1.138	30
7/26/2013 19:20	0.554	0.76	0.609	1.204	0.448	0.933	0.574	1.013	0.595	1.138	30
7/26/2013 19:30	0.554	0.757	0.609	1.207	0.448	0.967	0.574	1.013	0.595	1.138	30
7/26/2013 19:40	0.554	0.753	0.609	1.209	0.448	1.003	0.574	1.013	0.596	1.138	30
7/26/2013 19:50	0.554	0.751	0.609	1.21	0.448	1.035	0.574	1.013	0.596	1.138	30
7/26/2013 20:00	0.554	0.749	0.609	1.212	0.448	1.065	0.574	1.013	0.596	1.138	30
7/26/2013 20:10	0.554	0.748	0.609	1.211	0.449	1.089	0.574	1.013	0.595	1.138	30
7/26/2013 20:20	0.554	0.748	0.609	1.211	0.449	1.112	0.574	1.013	0.595	1.138	30
7/26/2013 20:30	0.554	0.75	0.609	1.211	0.449	1.129	0.574	1.013	0.595	1.138	30
7/26/2013 20:40	0.554	0.753	0.609	1.211	0.449	1.144	0.575	1.013	0.595	1.138	30
7/26/2013 20:50	0.554	0.756	0.609	1.211	0.449	1.155	0.575	1.013	0.595	1.138	30
7/26/2013 21:00	0.554	0.759	0.609	1.212	0.449	1.163	0.575	1.014	0.595	1.138	30
7/26/2013 21:10	0.554	0.76	0.609	1.212	0.449	1.166	0.575	1.013	0.596	1.138	30
7/26/2013 21:20	0.554	0.763	0.609	1.212	0.449	1.17	0.575	1.013	0.596	1.138	30
7/26/2013 21:30	0.554	0.764	0.609	1.212	0.449	1.171	0.576	1.013	0.595	1.138	30
7/26/2013 21:40	0.554	0.766	0.609	1.212	0.449	1.174	0.576	1.013	0.595	1.139	30
7/26/2013 21:50	0.554	0.768	0.609	1.212	0.45	1.17	0.576	1.013	0.595	1.139	30
7/26/2013 22:00	0.554	0.77	0.609	1.211	0.45	1.171	0.576	1.014	0.595	1.139	30
7/26/2013 22:10	0.554	0.771	0.609	1.21	0.449	1.168	0.576	1.013	0.595	1.139	30
7/26/2013 22:20	0.554	0.773	0.609	1.211	0.449	1.168	0.577	1.014	0.595	1.139	30
7/26/2013 22:30	0.554	0.774	0.61	1.211	0.449	1.166	0.577	1.014	0.595	1.139	30
7/26/2013 22:40	0.554	0.775	0.61	1.21	0.449	1.165	0.577	1.013	0.595	1.14	30
7/26/2013 22:50	0.554	0.776	0.61	1.209	0.449	1.163	0.577	1.014	0.595	1.14	30
7/26/2013 23:00	0.554	0.777	0.61	1.208	0.45	1.161	0.577	1.014	0.595	1.14	30
7/26/2013 23:10	0.554	0.777	0.61	1.207	0.45	1.157	0.577	1.013	0.595	1.14	30
7/26/2013 23:20	0.554	0.775	0.61	1.206	0.45	1.155	0.577	1.013	0.595	1.141	30
7/26/2013 23:30	0.554	0.773	0.61	1.205	0.45	1.15	0.577	1.013	0.595	1.141	30
7/26/2013 23:40	0.554	0.769	0.61	1.204	0.45	1.145	0.577	1.013	0.595	1.141	30
7/26/2013 23:50	0.554	0.764	0.61	1.203	0.45	1.143	0.577	1.013	0.595	1.141	30
7/27/2013 0:00	0.554	0.75	0.61	1.201	0.45	1.141	0.577	1.015	0.595	1.141	30
7/27/2013 0:10	0.554	0.722	0.61	1.199	0.45	1.138	0.577	1.014	0.595	1.142	30
7/27/2013 0:20	0.554	0.716	0.61	1.197	0.45	1.133	0.577	1.014	0.595	1.142	30
7/27/2013 0:30	0.554	0.714	0.61	1.195	0.45	1.126	0.577	1.014	0.595	1.142	30
7/27/2013 0:40	0.554	0.713	0.61	1.192	0.45	1.118	0.577	1.014	0.595	1.142	30
7/27/2013 0:50	0.554	0.713	0.61	1.19	0.45	1.106	0.577	1.013	0.595	1.142	30
7/27/2013 1:00	0.554	0.712	0.61	1.187	0.45	1.087	0.577	1.014	0.595	1.142	30
7/27/2013 1:10	0.554	0.711	0.61	1.183	0.45	1.067	0.577	1.014	0.595	1.142	30
7/27/2013 1:20	0.554	0.708	0.61	1.178	0.45	1.051	0.577	1.014	0.595	1.142	30
7/27/2013 1:30	0.554	0.704	0.61	1.174	0.45	1.038	0.577	1.014	0.595	1.142	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/27/2013 1:40	0.554	0.698	0.61	1.167	0.45	1.023	0.577	1.015	0.595	1.142	30
7/27/2013 1:50	0.554	0.692	0.61	1.156	0.45	1.006	0.576	1.015	0.595	1.142	30
7/27/2013 2:00	0.554	0.687	0.61	1.137	0.45	0.987	0.576	1.016	0.595	1.142	30
7/27/2013 2:10	0.554	0.684	0.61	1.112	0.45	0.967	0.576	1.015	0.595	1.142	30
7/27/2013 2:20	0.555	0.678	0.611	1.083	0.45	0.949	0.576	1.015	0.595	1.142	30
7/27/2013 2:30	0.555	0.674	0.611	1.053	0.45	0.934	0.576	1.015	0.595	1.142	30
7/27/2013 2:40	0.554	0.671	0.611	1.023	0.449	0.922	0.576	1.015	0.595	1.142	30
7/27/2013 2:50	0.554	0.666	0.611	1	0.449	0.913	0.576	1.015	0.595	1.142	30
7/27/2013 3:00	0.555	0.661	0.611	0.979	0.449	0.904	0.576	1.015	0.596	1.142	30
7/27/2013 3:10	0.555	0.66	0.611	0.964	0.449	0.897	0.577	1.015	0.595	1.142	30
7/27/2013 3:20	0.555	0.658	0.611	0.952	0.449	0.891	0.577	1.014	0.595	1.143	30
7/27/2013 3:30	0.555	0.657	0.611	0.943	0.449	0.886	0.577	1.014	0.595	1.142	30
7/27/2013 3:40	0.554	0.656	0.611	0.937	0.449	0.881	0.577	1.014	0.595	1.142	30
7/27/2013 3:50	0.554	0.653	0.611	0.933	0.449	0.877	0.577	1.014	0.596	1.142	30
7/27/2013 4:00	0.554	0.652	0.611	0.93	0.449	0.875	0.577	1.014	0.596	1.142	30
7/27/2013 4:10	0.554	0.653	0.611	0.929	0.449	0.872	0.576	1.013	0.596	1.142	30
7/27/2013 4:20	0.554	0.654	0.611	0.931	0.449	0.871	0.576	1.013	0.595	1.142	30
7/27/2013 4:30	0.554	0.655	0.611	0.934	0.449	0.87	0.576	1.013	0.596	1.142	30
7/27/2013 4:40	0.554	0.656	0.611	0.94	0.449	0.869	0.576	1.013	0.596	1.142	30
7/27/2013 4:50	0.554	0.657	0.611	0.947	0.449	0.869	0.576	1.014	0.596	1.142	30
7/27/2013 5:00	0.554	0.658	0.611	0.956	0.449	0.868	0.576	1.014	0.595	1.142	30
7/27/2013 5:10	0.554	0.66	0.612	0.968	0.449	0.868	0.576	1.014	0.594	1.142	30
7/27/2013 5:20	0.554	0.662	0.612	0.983	0.449	0.867	0.576	1.014	0.595	1.142	30
7/27/2013 5:30	0.554	0.663	0.612	1.002	0.449	0.867	0.576	1.015	0.595	1.142	30
7/27/2013 5:40	0.554	0.667	0.612	1.025	0.449	0.867	0.576	1.015	0.595	1.142	30
7/27/2013 5:50	0.554	0.672	0.612	1.05	0.448	0.867	0.576	1.015	0.595	1.142	30
7/27/2013 6:00	0.554	0.68	0.612	1.076	0.448	0.867	0.576	1.016	0.595	1.143	30
7/27/2013 6:10	0.554	0.69	0.612	1.099	0.448	0.866	0.576	1.016	0.595	1.143	30
7/27/2013 6:20	0.554	0.699	0.612	1.121	0.448	0.866	0.576	1.016	0.595	1.143	30
7/27/2013 6:30	0.554	0.71	0.612	1.138	0.448	0.866	0.576	1.016	0.595	1.143	30
7/27/2013 6:40	0.554	0.721	0.612	1.15	0.448	0.866	0.576	1.016	0.595	1.143	30
7/27/2013 6:50	0.554	0.732	0.612	1.158	0.448	0.866	0.576	1.016	0.595	1.143	30
7/27/2013 7:00	0.554	0.741	0.612	1.163	0.448	0.866	0.576	1.017	0.595	1.143	30
7/27/2013 7:10	0.554	0.75	0.612	1.169	0.448	0.866	0.576	1.017	0.595	1.143	30
7/27/2013 7:20	0.554	0.757	0.612	1.174	0.448	0.867	0.576	1.016	0.595	1.143	30
7/27/2013 7:30	0.554	0.763	0.612	1.177	0.448	0.867	0.576	1.016	0.595	1.143	30
7/27/2013 7:40	0.554	0.767	0.612	1.181	0.448	0.867	0.576	1.016	0.595	1.143	30
7/27/2013 7:50	0.554	0.768	0.612	1.183	0.448	0.867	0.576	1.016	0.595	1.143	30
7/27/2013 8:00	0.554	0.771	0.612	1.185	0.448	0.868	0.576	1.016	0.596	1.143	30
7/27/2013 8:10	0.554	0.771	0.613	1.186	0.448	0.869	0.576	1.016	0.595	1.143	30
7/27/2013 8:20	0.554	0.771	0.613	1.188	0.448	0.872	0.576	1.016	0.595	1.143	30
7/27/2013 8:30	0.553	0.771	0.613	1.189	0.448	0.88	0.576	1.016	0.595	1.143	30
7/27/2013 8:40	0.553	0.77	0.613	1.191	0.448	0.891	0.576	1.016	0.595	1.143	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/27/2013 8:50	0.553	0.77	0.613	1.193	0.448	0.901	0.576	1.016	0.595	1.143	30
7/27/2013 9:00	0.553	0.769	0.613	1.194	0.448	0.91	0.576	1.016	0.595	1.143	30
7/27/2013 9:10	0.553	0.768	0.613	1.195	0.448	0.919	0.576	1.015	0.596	1.143	30
7/27/2013 9:20	0.553	0.767	0.613	1.196	0.448	0.927	0.576	1.015	0.595	1.144	30
7/27/2013 9:30	0.553	0.767	0.613	1.197	0.448	0.935	0.576	1.015	0.595	1.143	30
7/27/2013 9:40	0.553	0.766	0.613	1.198	0.448	0.943	0.576	1.015	0.595	1.144	30
7/27/2013 9:50	0.553	0.765	0.613	1.199	0.448	0.951	0.576	1.015	0.595	1.144	30
7/27/2013 10:00	0.553	0.765	0.613	1.201	0.448	0.957	0.576	1.015	0.596	1.144	30
7/27/2013 10:10	0.553	0.764	0.613	1.201	0.448	0.962	0.576	1.015	0.595	1.144	30
7/27/2013 10:20	0.553	0.763	0.613	1.202	0.448	0.966	0.575	1.015	0.596	1.144	30
7/27/2013 10:30	0.553	0.762	0.613	1.202	0.448	0.969	0.575	1.015	0.596	1.144	30
7/27/2013 10:40	0.553	0.76	0.613	1.202	0.449	0.971	0.575	1.015	0.596	1.144	30
7/27/2013 10:50	0.553	0.757	0.613	1.201	0.449	0.972	0.575	1.015	0.596	1.144	30
7/27/2013 11:00	0.553	0.755	0.613	1.201	0.449	0.973	0.575	1.015	0.596	1.144	30
7/27/2013 11:10	0.553	0.753	0.613	1.2	0.449	0.971	0.575	1.016	0.595	1.144	30
7/27/2013 11:20	0.553	0.751	0.613	1.199	0.449	0.969	0.575	1.016	0.596	1.144	30
7/27/2013 11:30	0.553	0.747	0.613	1.198	0.449	0.966	0.575	1.016	0.596	1.144	30
7/27/2013 11:40	0.553	0.74	0.614	1.196	0.449	0.962	0.575	1.016	0.596	1.144	30
7/27/2013 11:50	0.553	0.735	0.614	1.194	0.449	0.957	0.575	1.016	0.596	1.144	30
7/27/2013 12:00	0.553	0.732	0.614	1.192	0.449	0.949	0.575	1.016	0.596	1.144	30
7/27/2013 12:10	0.553	0.727	0.614	1.187	0.449	0.939	0.575	1.016	0.596	1.144	30
7/27/2013 12:20	0.553	0.722	0.614	1.18	0.449	0.928	0.575	1.016	0.596	1.144	30
7/27/2013 12:30	0.553	0.714	0.614	1.17	0.449	0.917	0.575	1.015	0.595	1.144	30
7/27/2013 12:40	0.553	0.708	0.614	1.156	0.449	0.907	0.575	1.015	0.596	1.144	30
7/27/2013 12:50	0.553	0.701	0.613	1.134	0.449	0.899	0.575	1.015	0.596	1.144	30
7/27/2013 13:00	0.553	0.692	0.613	1.101	0.449	0.891	0.575	1.016	0.596	1.145	30
7/27/2013 13:10	0.553	0.687	0.613	1.068	0.449	0.886	0.575	1.015	0.596	1.145	30
7/27/2013 13:20	0.553	0.681	0.613	1.037	0.449	0.882	0.575	1.015	0.596	1.145	30
7/27/2013 13:30	0.553	0.672	0.613	1.01	0.449	0.88	0.575	1.015	0.595	1.145	30
7/27/2013 13:40	0.553	0.664	0.613	0.985	0.45	0.877	0.575	1.016	0.595	1.145	30
7/27/2013 13:50	0.553	0.654	0.613	0.963	0.45	0.875	0.575	1.016	0.595	1.145	30
7/27/2013 14:00	0.553	0.643	0.613	0.944	0.45	0.873	0.575	1.016	0.596	1.145	30
7/27/2013 14:10	0.553	0.634	0.614	0.927	0.45	0.87	0.575	1.015	0.596	1.145	30
7/27/2013 14:20	0.553	0.627	0.614	0.913	0.45	0.868	0.575	1.014	0.596	1.145	30
7/27/2013 14:30	0.553	0.62	0.614	0.901	0.45	0.866	0.575	1.012	0.596	1.144	30
7/27/2013 14:40	0.553	0.616	0.614	0.89	0.45	0.863	0.575	1.012	0.596	1.144	30
7/27/2013 14:50	0.553	0.611	0.614	0.88	0.45	0.861	0.575	1.012	0.596	1.144	30
7/27/2013 15:00	0.553	0.609	0.614	0.873	0.45	0.861	0.575	1.013	0.596	1.144	30
7/27/2013 15:10	0.553	0.608	0.614	0.867	0.45	0.859	0.575	1.013	0.596	1.144	30
7/27/2013 15:20	0.553	0.608	0.614	0.863	0.45	0.859	0.575	1.013	0.596	1.144	30
7/27/2013 15:30	0.553	0.609	0.614	0.861	0.45	0.858	0.574	1.014	0.596	1.144	30
7/27/2013 15:40	0.553	0.611	0.614	0.86	0.45	0.858	0.574	1.015	0.596	1.143	30
7/27/2013 15:50	0.553	0.612	0.614	0.862	0.45	0.857	0.574	1.015	0.596	1.143	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/27/2013 16:00	0.553	0.615	0.614	0.865	0.45	0.857	0.574	1.016	0.596	1.143	30
7/27/2013 16:10	0.553	0.618	0.614	0.87	0.45	0.857	0.574	1.016	0.596	1.143	30
7/27/2013 16:20	0.553	0.622	0.615	0.877	0.45	0.858	0.574	1.016	0.596	1.143	30
7/27/2013 16:30	0.553	0.626	0.615	0.885	0.45	0.858	0.574	1.017	0.596	1.143	30
7/27/2013 16:40	0.553	0.631	0.615	0.894	0.45	0.858	0.574	1.017	0.596	1.142	30
7/27/2013 16:50	0.553	0.636	0.615	0.904	0.45	0.858	0.574	1.018	0.596	1.142	30
7/27/2013 17:00	0.553	0.643	0.615	0.917	0.45	0.859	0.574	1.019	0.596	1.142	30
7/27/2013 17:10	0.553	0.655	0.615	0.93	0.45	0.86	0.574	1.019	0.596	1.142	30
7/27/2013 17:20	0.553	0.667	0.615	0.944	0.45	0.86	0.574	1.019	0.596	1.142	30
7/27/2013 17:30	0.554	0.682	0.615	0.962	0.45	0.861	0.574	1.019	0.596	1.142	30
7/27/2013 17:40	0.554	0.696	0.615	0.985	0.45	0.861	0.574	1.02	0.597	1.142	30
7/27/2013 17:50	0.554	0.713	0.615	1.013	0.45	0.861	0.574	1.02	0.597	1.142	30
7/27/2013 18:00	0.554	0.729	0.615	1.046	0.45	0.861	0.574	1.02	0.597	1.142	30
7/27/2013 18:10	0.554	0.742	0.615	1.085	0.45	0.861	0.574	1.019	0.596	1.142	30
7/27/2013 18:20	0.554	0.754	0.615	1.117	0.45	0.86	0.574	1.019	0.595	1.142	30
7/27/2013 18:30	0.554	0.763	0.615	1.14	0.45	0.86	0.574	1.019	0.595	1.142	30
7/27/2013 18:40	0.554	0.77	0.615	1.158	0.45	0.86	0.574	1.019	0.596	1.142	30
7/27/2013 18:50	0.554	0.775	0.615	1.172	0.45	0.86	0.574	1.017	0.595	1.142	30
7/27/2013 19:00	0.554	0.776	0.616	1.182	0.45	0.86	0.574	1.017	0.596	1.142	30
7/27/2013 19:10	0.554	0.776	0.616	1.191	0.45	0.86	0.574	1.017	0.595	1.142	30
7/27/2013 19:20	0.554	0.774	0.616	1.196	0.45	0.86	0.574	1.016	0.595	1.142	30
7/27/2013 19:30	0.554	0.771	0.616	1.2	0.45	0.86	0.574	1.016	0.595	1.142	30
7/27/2013 19:40	0.554	0.767	0.616	1.205	0.45	0.861	0.574	1.015	0.595	1.142	30
7/27/2013 19:50	0.554	0.763	0.616	1.209	0.45	0.862	0.574	1.015	0.596	1.142	30
7/27/2013 20:00	0.554	0.76	0.616	1.211	0.45	0.872	0.574	1.015	0.596	1.142	30
7/27/2013 20:10	0.554	0.758	0.616	1.213	0.45	0.901	0.575	1.014	0.595	1.142	30
7/27/2013 20:20	0.554	0.756	0.616	1.214	0.45	0.933	0.575	1.014	0.595	1.142	30
7/27/2013 20:30	0.554	0.755	0.616	1.215	0.45	0.963	0.575	1.014	0.595	1.142	30
7/27/2013 20:40	0.554	0.754	0.616	1.216	0.451	0.99	0.575	1.014	0.595	1.143	30
7/27/2013 20:50	0.554	0.754	0.616	1.215	0.451	1.017	0.575	1.015	0.595	1.143	30
7/27/2013 21:00	0.554	0.754	0.616	1.216	0.451	1.039	0.575	1.015	0.595	1.143	30
7/27/2013 21:10	0.554	0.755	0.616	1.216	0.451	1.06	0.575	1.015	0.595	1.143	30
7/27/2013 21:20	0.554	0.758	0.616	1.217	0.451	1.078	0.575	1.015	0.595	1.143	30
7/27/2013 21:30	0.554	0.76	0.616	1.217	0.451	1.094	0.575	1.015	0.595	1.143	30
7/27/2013 21:40	0.554	0.763	0.616	1.217	0.451	1.104	0.575	1.015	0.595	1.143	30
7/27/2013 21:50	0.554	0.765	0.616	1.217	0.451	1.113	0.575	1.015	0.595	1.143	30
7/27/2013 22:00	0.554	0.767	0.616	1.217	0.451	1.12	0.575	1.016	0.595	1.143	30
7/27/2013 22:10	0.554	0.771	0.616	1.217	0.451	1.124	0.576	1.016	0.595	1.143	30
7/27/2013 22:20	0.554	0.773	0.616	1.217	0.451	1.128	0.576	1.016	0.595	1.143	30
7/27/2013 22:30	0.554	0.777	0.616	1.216	0.451	1.131	0.576	1.016	0.595	1.143	30
7/27/2013 22:40	0.554	0.778	0.616	1.216	0.451	1.13	0.575	1.016	0.596	1.143	30
7/27/2013 22:50	0.554	0.78	0.616	1.215	0.45	1.132	0.575	1.016	0.595	1.143	30
7/27/2013 23:00	0.554	0.782	0.616	1.216	0.45	1.131	0.575	1.016	0.596	1.143	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/27/2013 23:10	0.554	0.783	0.616	1.215	0.45	1.128	0.575	1.016	0.595	1.143	30
7/27/2013 23:20	0.554	0.784	0.616	1.214	0.45	1.126	0.576	1.016	0.595	1.143	30
7/27/2013 23:30	0.554	0.784	0.617	1.213	0.45	1.124	0.575	1.016	0.595	1.143	30
7/27/2013 23:40	0.554	0.784	0.617	1.213	0.45	1.121	0.575	1.016	0.595	1.143	30
7/27/2013 23:50	0.554	0.782	0.617	1.212	0.45	1.118	0.575	1.016	0.595	1.143	30
7/28/2013 0:00	0.554	0.779	0.617	1.211	0.45	1.115	0.575	1.016	0.595	1.143	30
7/28/2013 0:10	0.554	0.773	0.617	1.209	0.45	1.109	0.575	1.015	0.595	1.143	30
7/28/2013 0:20	0.554	0.765	0.617	1.208	0.45	1.104	0.575	1.015	0.596	1.143	30
7/28/2013 0:30	0.554	0.753	0.617	1.206	0.45	1.099	0.575	1.017	0.596	1.143	30
7/28/2013 0:40	0.554	0.739	0.617	1.203	0.45	1.094	0.575	1.016	0.596	1.143	30
7/28/2013 0:50	0.554	0.718	0.617	1.2	0.45	1.088	0.576	1.016	0.595	1.143	30
7/28/2013 1:00	0.554	0.714	0.617	1.197	0.45	1.08	0.576	1.017	0.596	1.143	30
7/28/2013 1:10	0.554	0.712	0.617	1.194	0.45	1.072	0.576	1.016	0.596	1.143	30
7/28/2013 1:20	0.554	0.711	0.617	1.191	0.45	1.06	0.576	1.016	0.596	1.143	30
7/28/2013 1:30	0.554	0.709	0.617	1.186	0.45	1.042	0.576	1.016	0.595	1.143	30
7/28/2013 1:40	0.554	0.704	0.617	1.179	0.45	1.023	0.576	1.016	0.595	1.143	30
7/28/2013 1:50	0.554	0.7	0.617	1.172	0.45	1.007	0.576	1.016	0.596	1.143	30
7/28/2013 2:00	0.554	0.696	0.617	1.161	0.45	0.993	0.576	1.017	0.596	1.143	30
7/28/2013 2:10	0.554	0.69	0.617	1.142	0.45	0.981	0.576	1.017	0.596	1.143	30
7/28/2013 2:20	0.554	0.683	0.617	1.112	0.45	0.969	0.576	1.017	0.596	1.143	30
7/28/2013 2:30	0.554	0.676	0.617	1.073	0.45	0.952	0.576	1.017	0.596	1.143	30
7/28/2013 2:40	0.554	0.669	0.617	1.039	0.45	0.934	0.576	1.017	0.596	1.143	30
7/28/2013 2:50	0.553	0.663	0.617	1.01	0.45	0.917	0.576	1.017	0.595	1.143	30
7/28/2013 3:00	0.553	0.657	0.617	0.987	0.45	0.904	0.576	1.017	0.596	1.142	30
7/28/2013 3:10	0.553	0.652	0.617	0.969	0.45	0.893	0.576	1.017	0.596	1.143	30
7/28/2013 3:20	0.553	0.648	0.617	0.952	0.45	0.886	0.576	1.017	0.596	1.143	30
7/28/2013 3:30	0.553	0.645	0.617	0.939	0.45	0.88	0.576	1.016	0.596	1.142	30
7/28/2013 3:40	0.553	0.641	0.617	0.926	0.45	0.876	0.577	1.016	0.596	1.143	30
7/28/2013 3:50	0.553	0.637	0.618	0.915	0.45	0.872	0.577	1.015	0.596	1.143	30
7/28/2013 4:00	0.553	0.633	0.618	0.906	0.45	0.87	0.577	1.014	0.596	1.142	30
7/28/2013 4:10	0.553	0.63	0.618	0.898	0.45	0.867	0.577	1.013	0.596	1.143	30
7/28/2013 4:20	0.553	0.626	0.618	0.891	0.45	0.866	0.577	1.013	0.596	1.142	30
7/28/2013 4:30	0.553	0.623	0.618	0.886	0.45	0.865	0.576	1.013	0.596	1.142	30
7/28/2013 4:40	0.553	0.622	0.618	0.883	0.45	0.865	0.576	1.013	0.596	1.142	30
7/28/2013 4:50	0.553	0.622	0.618	0.881	0.45	0.864	0.576	1.014	0.596	1.142	30
7/28/2013 5:00	0.552	0.622	0.618	0.88	0.45	0.863	0.576	1.014	0.596	1.142	30
7/28/2013 5:10	0.552	0.624	0.618	0.88	0.45	0.862	0.576	1.014	0.596	1.142	30
7/28/2013 5:20	0.552	0.626	0.618	0.882	0.45	0.862	0.576	1.015	0.596	1.142	30
7/28/2013 5:30	0.552	0.628	0.618	0.885	0.45	0.862	0.576	1.015	0.596	1.142	30
7/28/2013 5:40	0.552	0.631	0.618	0.89	0.45	0.862	0.576	1.015	0.595	1.142	30
7/28/2013 5:50	0.552	0.633	0.618	0.896	0.45	0.862	0.576	1.016	0.595	1.142	30
7/28/2013 6:00	0.552	0.636	0.618	0.903	0.45	0.861	0.576	1.017	0.596	1.142	30
7/28/2013 6:10	0.552	0.639	0.618	0.911	0.45	0.86	0.576	1.017	0.595	1.142	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/28/2013 6:20	0.552	0.642	0.618	0.92	0.45	0.86	0.577	1.017	0.595	1.142	30
7/28/2013 6:30	0.552	0.647	0.618	0.931	0.45	0.86	0.577	1.018	0.596	1.142	30
7/28/2013 6:40	0.552	0.654	0.618	0.942	0.45	0.86	0.577	1.018	0.596	1.142	30
7/28/2013 6:50	0.552	0.663	0.618	0.955	0.45	0.86	0.577	1.018	0.596	1.142	30
7/28/2013 7:00	0.552	0.672	0.618	0.972	0.45	0.86	0.577	1.019	0.595	1.142	30
7/28/2013 7:10	0.552	0.685	0.618	0.989	0.45	0.859	0.577	1.019	0.595	1.142	30
7/28/2013 7:20	0.552	0.698	0.618	1.011	0.45	0.859	0.577	1.019	0.595	1.142	30
7/28/2013 7:30	0.552	0.71	0.618	1.037	0.45	0.859	0.577	1.019	0.595	1.143	30
7/28/2013 7:40	0.552	0.722	0.618	1.067	0.45	0.859	0.577	1.019	0.595	1.143	30
7/28/2013 7:50	0.552	0.733	0.618	1.095	0.45	0.859	0.577	1.019	0.596	1.143	30
7/28/2013 8:00	0.552	0.745	0.618	1.118	0.45	0.859	0.577	1.02	0.595	1.143	30
7/28/2013 8:10	0.551	0.755	0.618	1.134	0.45	0.859	0.577	1.019	0.595	1.143	30
7/28/2013 8:20	0.552	0.763	0.618	1.146	0.45	0.859	0.577	1.019	0.595	1.143	30
7/28/2013 8:30	0.552	0.769	0.618	1.154	0.45	0.859	0.577	1.018	0.596	1.143	30
7/28/2013 8:40	0.551	0.774	0.618	1.16	0.45	0.859	0.577	1.018	0.595	1.143	30
7/28/2013 8:50	0.551	0.777	0.618	1.166	0.45	0.859	0.577	1.018	0.595	1.143	30
7/28/2013 9:00	0.551	0.778	0.618	1.17	0.45	0.86	0.577	1.018	0.596	1.142	30
7/28/2013 9:10	0.551	0.779	0.618	1.173	0.45	0.86	0.577	1.017	0.595	1.142	30
7/28/2013 9:20	0.551	0.779	0.618	1.176	0.45	0.86	0.577	1.017	0.595	1.142	30
7/28/2013 9:30	0.551	0.778	0.618	1.179	0.45	0.86	0.577	1.017	0.595	1.142	30
7/28/2013 9:40	0.551	0.777	0.618	1.181	0.45	0.861	0.577	1.017	0.595	1.142	30
7/28/2013 9:50	0.551	0.775	0.618	1.184	0.45	0.861	0.577	1.017	0.595	1.142	30
7/28/2013 10:00	0.551	0.774	0.618	1.186	0.45	0.862	0.577	1.017	0.595	1.142	30
7/28/2013 10:10	0.551	0.773	0.618	1.187	0.45	0.863	0.577	1.017	0.595	1.142	30
7/28/2013 10:20	0.551	0.771	0.618	1.189	0.45	0.867	0.577	1.017	0.595	1.142	30
7/28/2013 10:30	0.551	0.77	0.618	1.19	0.45	0.874	0.577	1.017	0.595	1.142	30
7/28/2013 10:40	0.551	0.769	0.618	1.191	0.45	0.882	0.577	1.017	0.595	1.143	30
7/28/2013 10:50	0.551	0.768	0.618	1.192	0.449	0.89	0.577	1.017	0.595	1.143	30
7/28/2013 11:00	0.551	0.766	0.618	1.194	0.449	0.897	0.577	1.017	0.595	1.143	30
7/28/2013 11:10	0.551	0.766	0.618	1.194	0.449	0.904	0.577	1.017	0.595	1.143	30
7/28/2013 11:20	0.551	0.764	0.618	1.195	0.449	0.909	0.577	1.017	0.595	1.143	30
7/28/2013 11:30	0.551	0.762	0.618	1.195	0.449	0.914	0.577	1.017	0.595	1.143	30
7/28/2013 11:40	0.551	0.759	0.619	1.195	0.449	0.918	0.577	1.017	0.595	1.143	30
7/28/2013 11:50	0.551	0.758	0.619	1.194	0.449	0.921	0.577	1.017	0.595	1.144	30
7/28/2013 12:00	0.551	0.756	0.619	1.194	0.449	0.923	0.577	1.017	0.595	1.144	30
7/28/2013 12:10	0.551	0.754	0.619	1.192	0.449	0.923	0.577	1.018	0.595	1.144	30
7/28/2013 12:20	0.551	0.752	0.619	1.191	0.45	0.923	0.577	1.018	0.595	1.144	30
7/28/2013 12:30	0.551	0.75	0.619	1.189	0.45	0.922	0.577	1.018	0.595	1.144	30
7/28/2013 12:40	0.551	0.747	0.619	1.188	0.45	0.92	0.577	1.018	0.595	1.144	30
7/28/2013 12:50	0.551	0.742	0.619	1.186	0.45	0.917	0.577	1.018	0.595	1.144	30
7/28/2013 13:00	0.551	0.736	0.619	1.184	0.45	0.913	0.577	1.018	0.596	1.144	30
7/28/2013 13:10	0.551	0.73	0.619	1.181	0.45	0.907	0.577	1.018	0.595	1.144	30
7/28/2013 13:20	0.551	0.726	0.619	1.178	0.45	0.9	0.577	1.018	0.595	1.144	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/28/2013 13:30	0.552	0.722	0.618	1.174	0.45	0.893	0.577	1.018	0.595	1.144	30
7/28/2013 13:40	0.552	0.718	0.618	1.169	0.45	0.888	0.577	1.017	0.595	1.144	30
7/28/2013 13:50	0.552	0.712	0.618	1.164	0.45	0.884	0.577	1.017	0.595	1.144	30
7/28/2013 14:00	0.552	0.706	0.618	1.156	0.45	0.882	0.577	1.018	0.595	1.144	30
7/28/2013 14:10	0.552	0.699	0.618	1.143	0.45	0.88	0.577	1.017	0.595	1.144	30
7/28/2013 14:20	0.552	0.693	0.618	1.127	0.45	0.879	0.577	1.017	0.595	1.144	30
7/28/2013 14:30	0.552	0.687	0.618	1.107	0.45	0.877	0.577	1.017	0.595	1.144	30
7/28/2013 14:40	0.552	0.683	0.618	1.082	0.45	0.874	0.577	1.017	0.595	1.144	30
7/28/2013 14:50	0.552	0.677	0.618	1.059	0.45	0.872	0.577	1.017	0.596	1.144	30
7/28/2013 15:00	0.552	0.672	0.618	1.039	0.45	0.871	0.577	1.018	0.596	1.144	30
7/28/2013 15:10	0.552	0.665	0.618	1.022	0.45	0.869	0.577	1.017	0.595	1.144	30
7/28/2013 15:20	0.551	0.661	0.618	1.009	0.45	0.868	0.577	1.017	0.595	1.144	30
7/28/2013 15:30	0.551	0.656	0.618	0.998	0.45	0.868	0.577	1.017	0.595	1.144	30
7/28/2013 15:40	0.551	0.651	0.618	0.99	0.45	0.867	0.577	1.018	0.595	1.144	30
7/28/2013 15:50	0.551	0.645	0.618	0.984	0.45	0.866	0.577	1.018	0.595	1.144	30
7/28/2013 16:00	0.551	0.642	0.618	0.979	0.45	0.865	0.577	1.018	0.595	1.144	30
7/28/2013 16:10	0.551	0.64	0.618	0.975	0.45	0.863	0.577	1.018	0.595	1.144	30
7/28/2013 16:20	0.551	0.635	0.618	0.973	0.45	0.861	0.577	1.018	0.595	1.144	30
7/28/2013 16:30	0.551	0.633	0.618	0.972	0.45	0.86	0.576	1.019	0.595	1.144	30
7/28/2013 16:40	0.551	0.633	0.618	0.972	0.45	0.859	0.576	1.019	0.595	1.144	30
7/28/2013 16:50	0.551	0.633	0.619	0.974	0.45	0.858	0.576	1.019	0.595	1.144	30
7/28/2013 17:00	0.551	0.634	0.619	0.979	0.45	0.858	0.576	1.019	0.595	1.144	30
7/28/2013 17:10	0.551	0.635	0.619	0.986	0.45	0.858	0.575	1.019	0.594	1.144	30
7/28/2013 17:20	0.551	0.637	0.619	0.997	0.45	0.858	0.575	1.019	0.595	1.144	30
7/28/2013 17:30	0.551	0.64	0.619	1.013	0.45	0.858	0.575	1.02	0.595	1.144	30
7/28/2013 17:40	0.551	0.646	0.619	1.038	0.45	0.858	0.575	1.02	0.595	1.144	30
7/28/2013 17:50	0.551	0.656	0.619	1.07	0.45	0.858	0.575	1.02	0.595	1.144	30
7/28/2013 18:00	0.551	0.667	0.619	1.102	0.45	0.858	0.575	1.02	0.595	1.144	30
7/28/2013 18:10	0.551	0.679	0.619	1.127	0.45	0.858	0.575	1.02	0.595	1.144	30
7/28/2013 18:20	0.551	0.692	0.619	1.144	0.45	0.858	0.575	1.02	0.595	1.144	30
7/28/2013 18:30	0.551	0.705	0.619	1.156	0.45	0.858	0.575	1.02	0.595	1.144	30
7/28/2013 18:40	0.551	0.719	0.619	1.165	0.45	0.858	0.575	1.02	0.595	1.144	30
7/28/2013 18:50	0.551	0.73	0.619	1.172	0.45	0.858	0.575	1.019	0.595	1.144	30
7/28/2013 19:00	0.551	0.741	0.619	1.179	0.45	0.858	0.575	1.02	0.595	1.144	30
7/28/2013 19:10	0.551	0.75	0.619	1.186	0.45	0.858	0.575	1.019	0.595	1.144	30
7/28/2013 19:20	0.551	0.757	0.619	1.191	0.45	0.858	0.575	1.019	0.595	1.144	30
7/28/2013 19:30	0.551	0.764	0.619	1.195	0.45	0.858	0.575	1.019	0.595	1.144	30
7/28/2013 19:40	0.551	0.769	0.619	1.198	0.45	0.858	0.575	1.019	0.595	1.144	30
7/28/2013 19:50	0.551	0.771	0.619	1.2	0.45	0.858	0.575	1.019	0.595	1.144	30
7/28/2013 20:00	0.551	0.773	0.619	1.203	0.45	0.859	0.576	1.019	0.595	1.144	30
7/28/2013 20:10	0.55	0.774	0.619	1.206	0.45	0.859	0.576	1.019	0.594	1.144	30
7/28/2013 20:20	0.55	0.775	0.619	1.21	0.451	0.859	0.576	1.019	0.594	1.144	30
7/28/2013 20:30	0.55	0.774	0.619	1.212	0.451	0.86	0.576	1.018	0.595	1.144	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/28/2013 20:40	0.55	0.774	0.619	1.213	0.451	0.862	0.576	1.018	0.594	1.144	30
7/28/2013 20:50	0.55	0.772	0.619	1.214	0.451	0.881	0.576	1.018	0.595	1.144	30
7/28/2013 21:00	0.55	0.771	0.619	1.215	0.451	0.908	0.576	1.019	0.594	1.144	30
7/28/2013 21:10	0.55	0.771	0.619	1.215	0.451	0.933	0.576	1.018	0.594	1.144	30
7/28/2013 21:20	0.55	0.77	0.619	1.215	0.451	0.956	0.576	1.018	0.594	1.144	30
7/28/2013 21:30	0.55	0.771	0.619	1.216	0.451	0.978	0.576	1.018	0.594	1.144	30
7/28/2013 21:40	0.55	0.773	0.619	1.216	0.451	0.998	0.576	1.018	0.594	1.144	30
7/28/2013 21:50	0.55	0.775	0.619	1.216	0.451	1.017	0.576	1.018	0.595	1.144	30
7/28/2013 22:00	0.55	0.777	0.619	1.217	0.451	1.035	0.576	1.019	0.595	1.144	30
7/28/2013 22:10	0.55	0.781	0.619	1.217	0.451	1.05	0.576	1.018	0.595	1.144	30
7/28/2013 22:20	0.55	0.784	0.619	1.217	0.451	1.063	0.576	1.018	0.594	1.144	30
7/28/2013 22:30	0.55	0.786	0.619	1.217	0.451	1.076	0.576	1.018	0.594	1.144	30
7/28/2013 22:40	0.55	0.788	0.619	1.217	0.451	1.084	0.576	1.018	0.595	1.144	30
7/28/2013 22:50	0.55	0.79	0.619	1.217	0.451	1.093	0.576	1.018	0.594	1.144	30
7/28/2013 23:00	0.55	0.792	0.619	1.218	0.451	1.098	0.576	1.019	0.595	1.144	30
7/28/2013 23:10	0.55	0.793	0.62	1.218	0.451	1.101	0.576	1.018	0.594	1.144	30
7/28/2013 23:20	0.55	0.793	0.62	1.218	0.451	1.104	0.576	1.018	0.595	1.144	30
7/28/2013 23:30	0.55	0.793	0.62	1.218	0.451	1.104	0.576	1.018	0.594	1.144	30
7/28/2013 23:40	0.55	0.793	0.62	1.218	0.451	1.104	0.576	1.018	0.594	1.144	30
7/28/2013 23:50	0.55	0.792	0.62	1.218	0.451	1.105	0.576	1.018	0.594	1.144	30
7/29/2013 0:00	0.55	0.791	0.62	1.218	0.451	1.102	0.577	1.018	0.595	1.144	30
7/29/2013 0:10	0.55	0.79	0.62	1.218	0.451	1.099	0.577	1.018	0.595	1.144	30
7/29/2013 0:20	0.55	0.788	0.62	1.218	0.451	1.096	0.577	1.018	0.594	1.143	30
7/29/2013 0:30	0.55	0.784	0.62	1.218	0.451	1.091	0.577	1.018	0.595	1.144	30
7/29/2013 0:40	0.55	0.78	0.62	1.218	0.451	1.086	0.577	1.018	0.594	1.143	30
7/29/2013 0:50	0.55	0.774	0.62	1.219	0.451	1.078	0.577	1.017	0.594	1.143	30
7/29/2013 1:00	0.55	0.763	0.62	1.218	0.451	1.071	0.577	1.019	0.595	1.143	30
7/29/2013 1:10	0.55	0.75	0.62	1.216	0.451	1.063	0.577	1.018	0.594	1.143	30
7/29/2013 1:20	0.55	0.741	0.62	1.215	0.451	1.055	0.577	1.018	0.595	1.143	30
7/29/2013 1:30	0.55	0.733	0.62	1.212	0.451	1.046	0.577	1.018	0.595	1.143	30
7/29/2013 1:40	0.55	0.72	0.62	1.209	0.451	1.038	0.577	1.018	0.594	1.143	30
7/29/2013 1:50	0.55	0.717	0.62	1.206	0.451	1.029	0.577	1.018	0.594	1.143	30
7/29/2013 2:00	0.55	0.714	0.62	1.202	0.451	1.017	0.577	1.018	0.594	1.143	30
7/29/2013 2:10	0.55	0.709	0.62	1.196	0.451	1.002	0.577	1.017	0.594	1.143	30
7/29/2013 2:20	0.55	0.704	0.62	1.189	0.451	0.988	0.577	1.017	0.594	1.143	30
7/29/2013 2:30	0.55	0.696	0.62	1.183	0.451	0.973	0.576	1.017	0.594	1.143	30
7/29/2013 2:40	0.55	0.688	0.62	1.176	0.451	0.961	0.576	1.017	0.594	1.143	30
7/29/2013 2:50	0.55	0.68	0.62	1.168	0.451	0.949	0.577	1.017	0.594	1.143	30
7/29/2013 3:00	0.55	0.671	0.62	1.148	0.451	0.937	0.577	1.017	0.594	1.143	30
7/29/2013 3:10	0.55	0.663	0.621	1.109	0.451	0.921	0.577	1.017	0.594	1.143	30
7/29/2013 3:20	0.55	0.655	0.621	1.057	0.451	0.905	0.577	1.017	0.594	1.143	30
7/29/2013 3:30	0.55	0.644	0.621	1.016	0.451	0.893	0.577	1.017	0.594	1.143	30
7/29/2013 3:40	0.55	0.635	0.621	0.986	0.451	0.885	0.577	1.017	0.594	1.143	30

Appendix A - Table 3

Specific Conductance Data
Glacier Northwest, Inc. - Reichhold, Inc. Site
5900 West Marginal Way SW
Seattle, Washington

Time	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-14	MW-14D	MW-32S	MW-32DR	Dock
	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)	(mS/cm)
7/29/2013 3:50	0.55	0.631	0.621	0.962	0.45	0.879	0.577	1.017	0.594	1.143	30
7/29/2013 4:00	0.55	0.623	0.621	0.941	0.45	0.874	0.577	1.016	0.594	1.143	30
7/29/2013 4:10	0.55	0.614	0.621	0.921	0.45	0.871	0.577	1.014	0.593	1.143	30
7/29/2013 4:20	0.55	0.607	0.621	0.905	0.45	0.869	0.577	1.013	0.594	1.143	30
7/29/2013 4:30	0.55	0.603	0.621	0.891	0.45	0.867	0.577	1.013	0.594	1.143	30
7/29/2013 4:40	0.55	0.599	0.621	0.876	0.45	0.865	0.577	1.013	0.594	1.143	30
7/29/2013 4:50	0.55	0.594	0.621	0.86	0.45	0.864	0.577	1.013	0.593	1.142	30
7/29/2013 5:00	0.55	0.592	0.621	0.848	0.45	0.863	0.577	1.014	0.594	1.142	30
7/29/2013 5:10	0.55	0.591	0.621	0.838	0.45	0.861	0.577	1.014	0.593	1.142	30
7/29/2013 5:20	0.55	0.59	0.621	0.831	0.45	0.861	0.577	1.015	0.593	1.141	30
7/29/2013 5:30	0.55	0.591	0.621	0.825	0.45	0.86	0.577	1.016	0.593	1.141	30
7/29/2013 5:40	0.55	0.594	0.621	0.822	0.45	0.859	0.577	1.016	0.594	1.141	30
7/29/2013 5:50	0.55	0.598	0.621	0.82	0.45	0.858	0.577	1.016	0.593	1.14	30
7/29/2013 6:00	0.55	0.601	0.621	0.82	0.45	0.858	0.577	1.016	0.594	1.14	30
7/29/2013 6:10	0.55	0.605	0.621	0.821	0.45	0.857	0.577	1.016	0.594	1.14	30
7/29/2013 6:20	0.55	0.609	0.621	0.825	0.45	0.857	0.577	1.016	0.593	1.14	30
7/29/2013 6:30	0.55	0.613	0.621	0.831	0.45	0.857	0.577	1.017	0.593	1.14	30
7/29/2013 6:40	0.55	0.617	0.621	0.839	0.45	0.857	0.576	1.017	0.594	1.14	30
7/29/2013 6:50	0.55	0.621	0.621	0.848	0.45	0.857	0.576	1.017	0.593	1.14	30
7/29/2013 7:00	0.55	0.625	0.622	0.86	0.45	0.857	0.577	1.017	0.594	1.139	30
7/29/2013 7:10	0.55	0.629	0.622	0.872	0.45	0.856	0.577	1.017	0.593	1.139	30
7/29/2013 7:20	0.549	0.634	0.622	0.887	0.45	0.857	0.577	1.017	0.593	1.139	30
7/29/2013 7:30	0.549	0.639	0.622	0.904	0.45	0.857	0.577	1.017	0.594	1.139	30
7/29/2013 7:40	0.549	0.645	0.622	0.925	0.45	0.858	0.577	1.017	0.593	1.139	30
7/29/2013 7:50	0.549	0.657	0.622	0.947	0.45	0.858	0.577	1.017	0.593	1.139	30
7/29/2013 8:00	0.549	0.668	0.622	0.972	0.45	0.858	0.577	1.018	0.593	1.139	30
7/29/2013 8:10	0.549	0.677	0.622	1.003	0.45	0.859	0.577	1.018	0.593	1.139	30
7/29/2013 8:20	0.549	0.69	0.622	1.048	0.45	0.859	0.577	1.018	0.593	1.139	30

Notes:
mS/cm = milli siemens per centimeter

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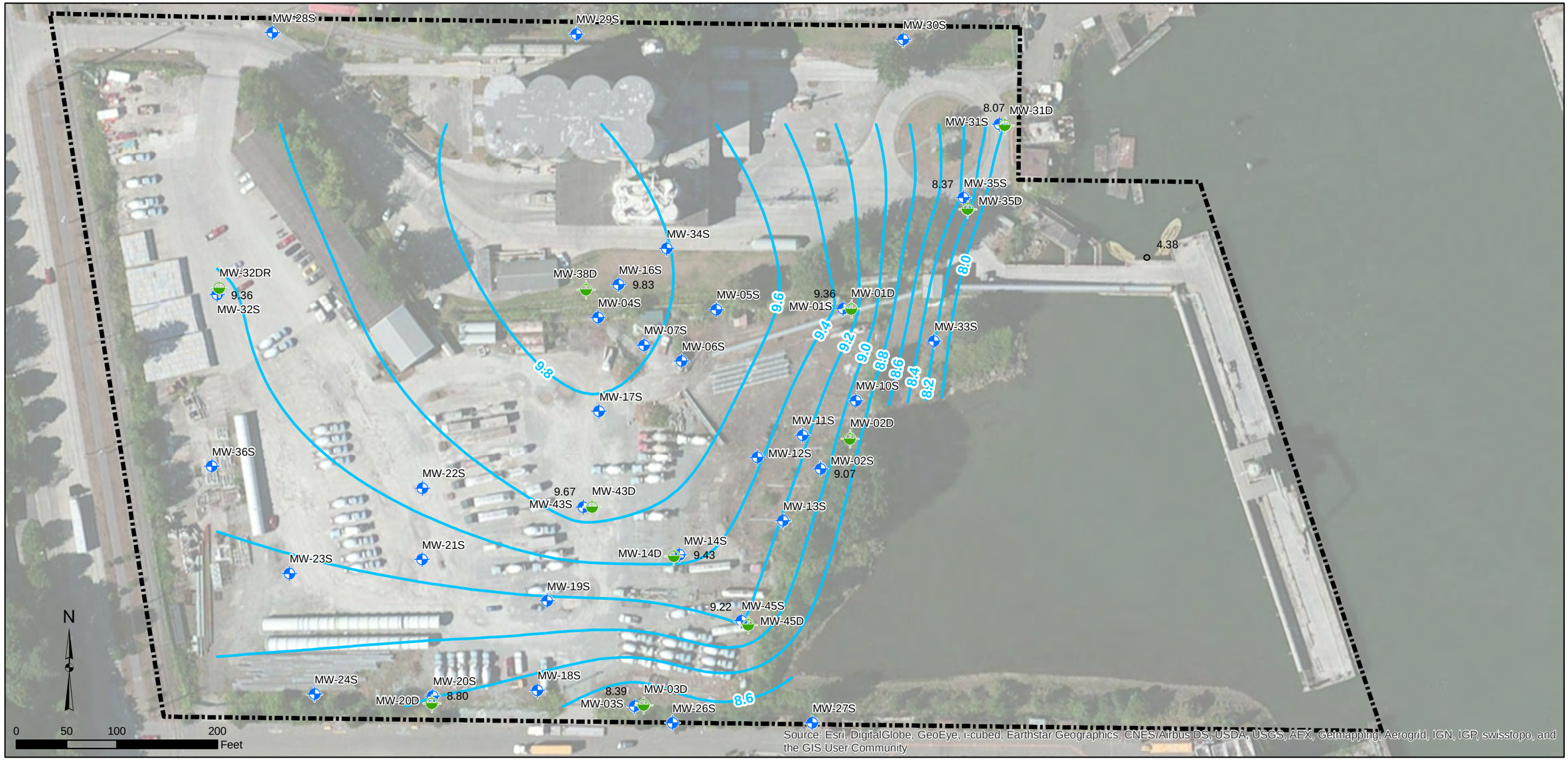
Drawn By: T. Cota Date: 7/22/2014 Project: 0155129.10



Legend

- Contoured Shallow Zone Groundwater Elevation (ft amsl)
- Shallow Monitoring Well
- Deep Monitoring Well
- Current Property Boudary

Figure 1

CONTOURED GROUNDWATER ELEVATION - SHALLOW ZONE
FIRST FILTERED MEAN WATER LEVELS - JUNE 2014
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

Environmental Resources Management
1218 3rd Avenue, Suite 1412
Seattle, Washington 98101
425-214-0468

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Drawn By: T. Cota Date: 7/22/2014 Project: 0155129.10

Legend

- Contoured Deep Zone Groundwater Elevation (ft amsl)
- Shallow Monitoring Well
- Deep Monitoring Well
- Current Property Boudary

Figure 2

CONTOURED GROUNDWATER ELEVATION - DEEP ZONE
FIRST FILTERED MEAN WATER LEVELS - JUNE 2014
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

Environmental Resources Management
1218 3rd Avenue, Suite 1412
Seattle, Washington 98101
425-214-0468

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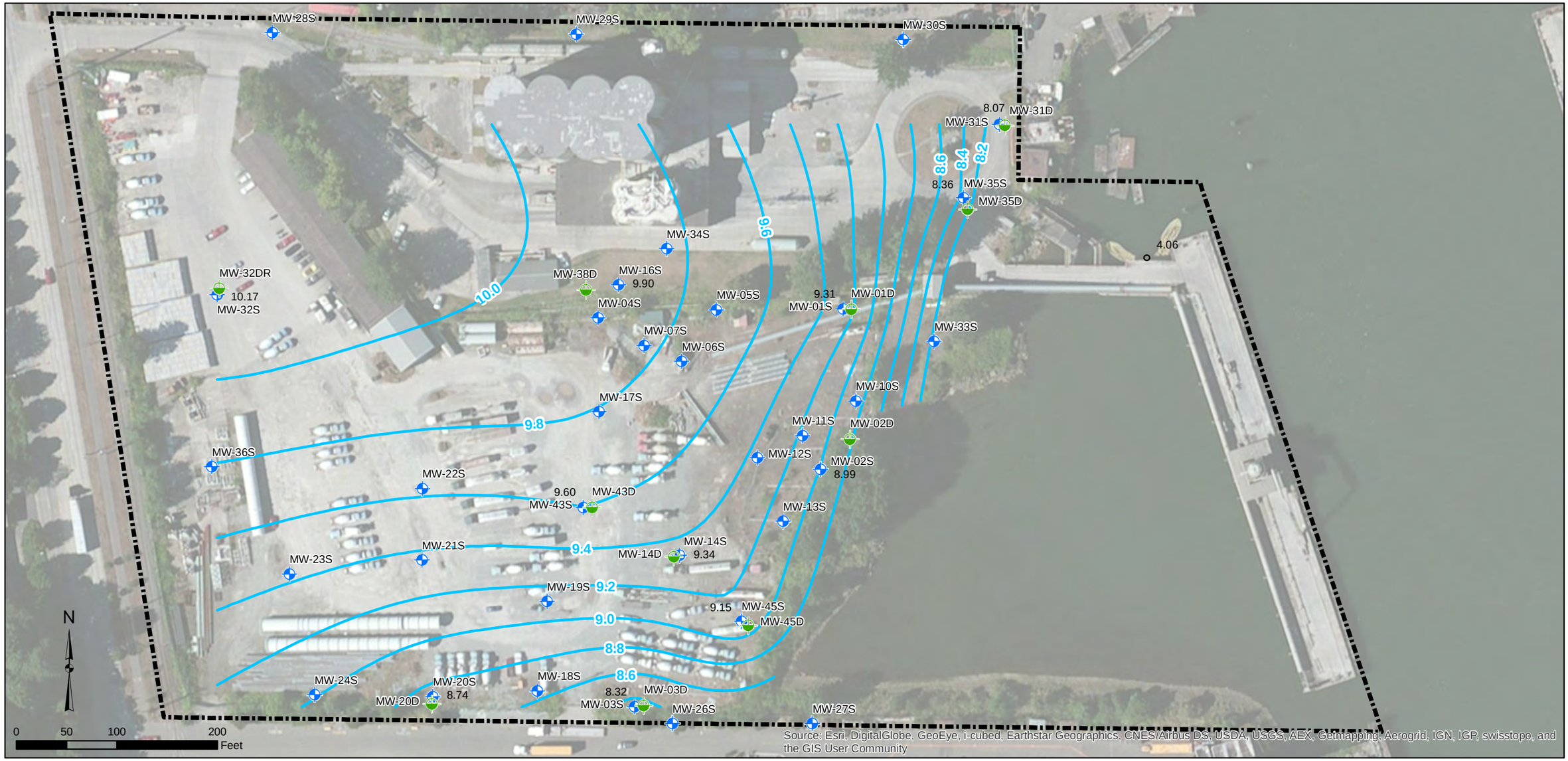

Legend

- Contoured Shallow Zone Groundwater Elevation (ft amsl)
- Shallow Monitoring Well
- Deep Monitoring Well
- Current Property Boudary

Figure 3

CONTOURED GROUNDWATER ELEVATION - SHALLOW ZONE
SECOND FILTERED MEAN WATER LEVELS - JUNE 2014
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

Environmental Resources Management
1218 3rd Avenue, Suite 1412
Seattle, Washington 98101
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Drawn By: T. Cota Date: 7/22/2014 Project: 0155129.10

Legend

- Contoured Deep Zone Groundwater Elevation (ft amsl)
- Shallow Monitoring Well
- Deep Monitoring Well
- Current Property Boudary

Figure 4

CONTOURED GROUNDWATER ELEVATION - DEEP ZONE
SECOND FILTERED MEAN WATER LEVELS - JUNE 2014
Glacier Northwest, Inc.
- Reichhold, Inc. Site
5900 W. Marginal Way SW
Seattle, Washington

Notes:
Aerial: ESRI Aerial Imagery Web Server, May 15, 2009

Environmental Resources Management
1218 3rd Avenue, Suite 1412
Seattle, Washington 98101
425-214-0468

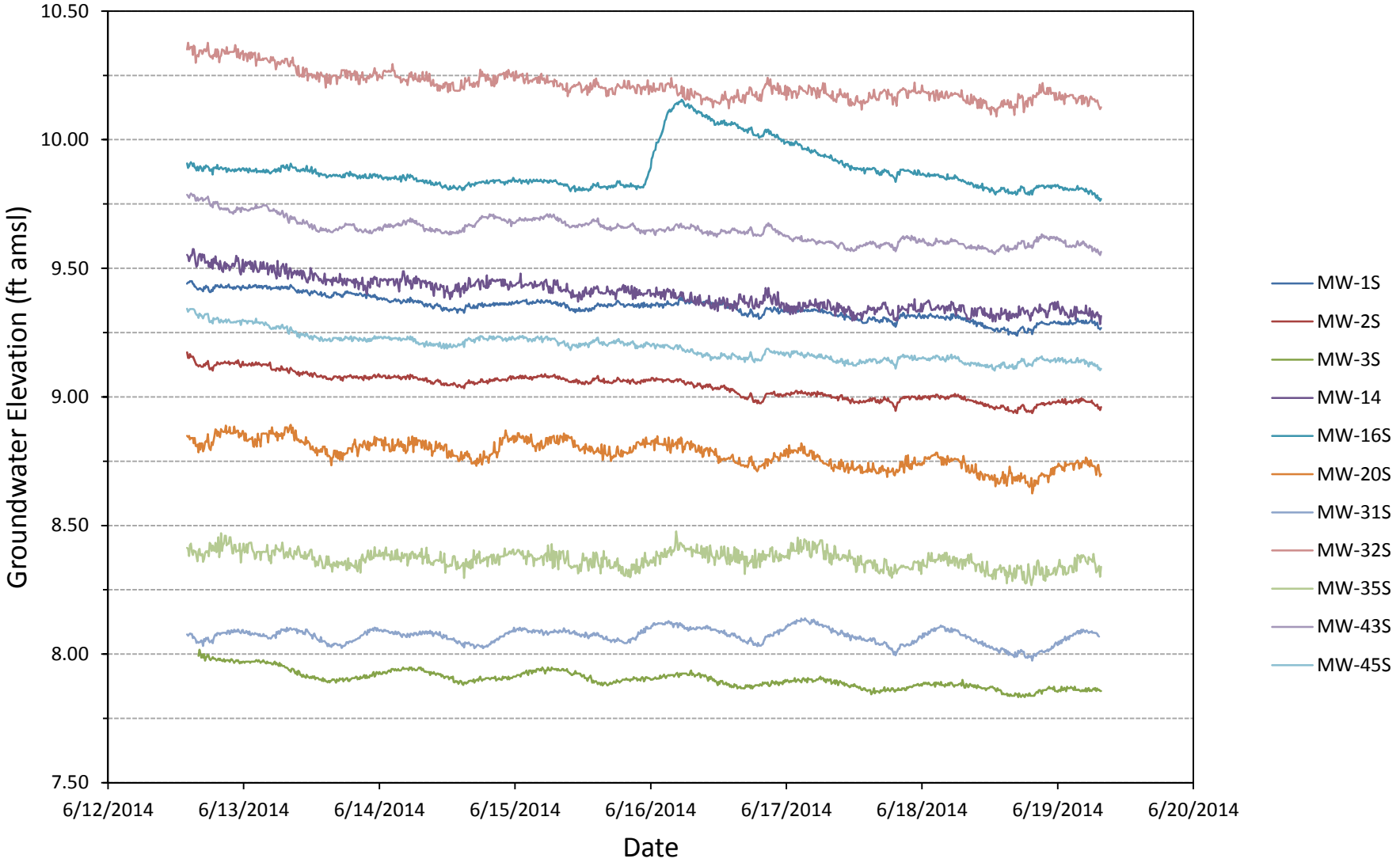

Figure 5
Shallow Zone Groundwater Elevations During Study Period
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

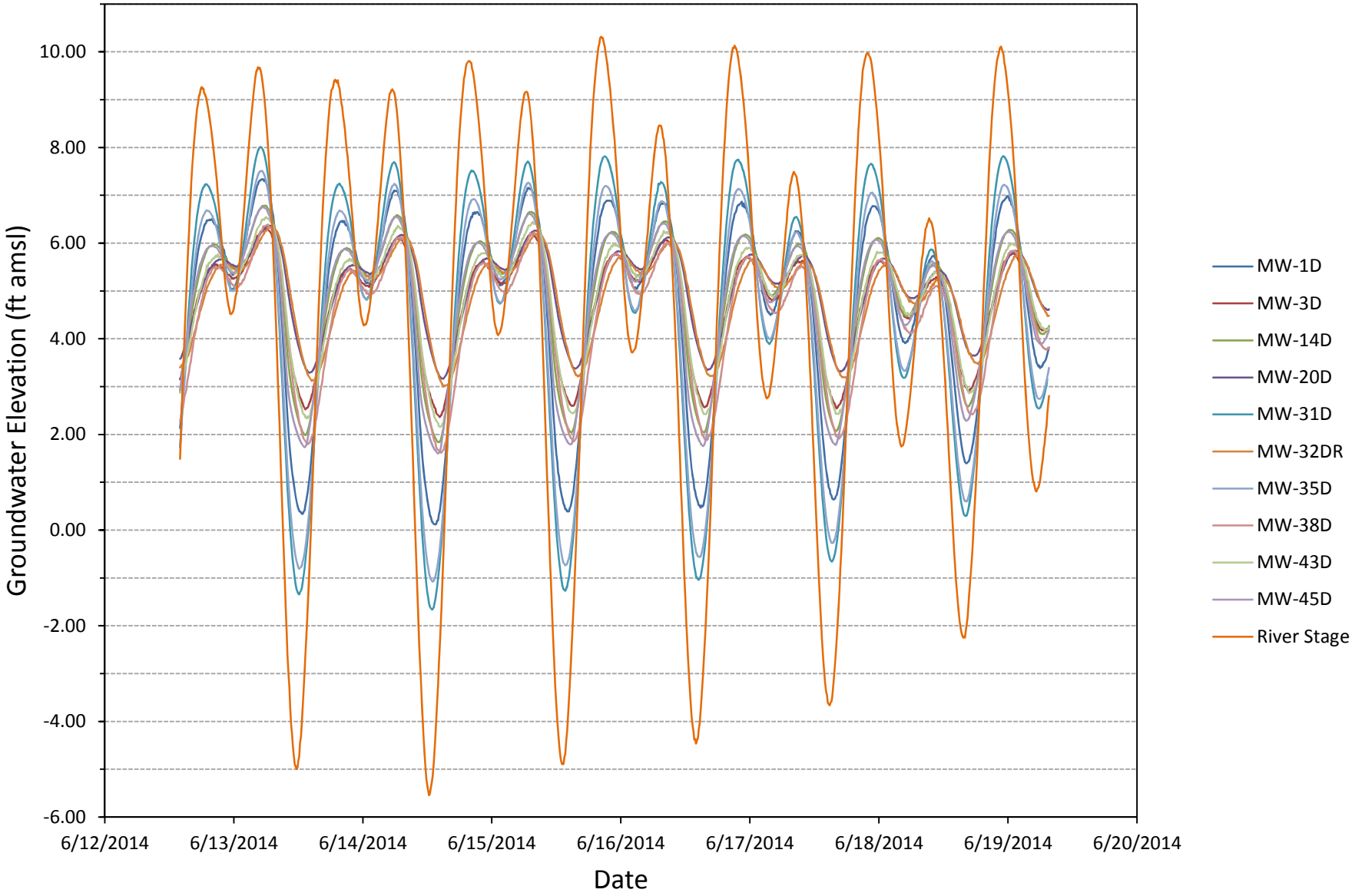

Figure 6
Deep Zone Groundwater Elevations During Study Period
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington

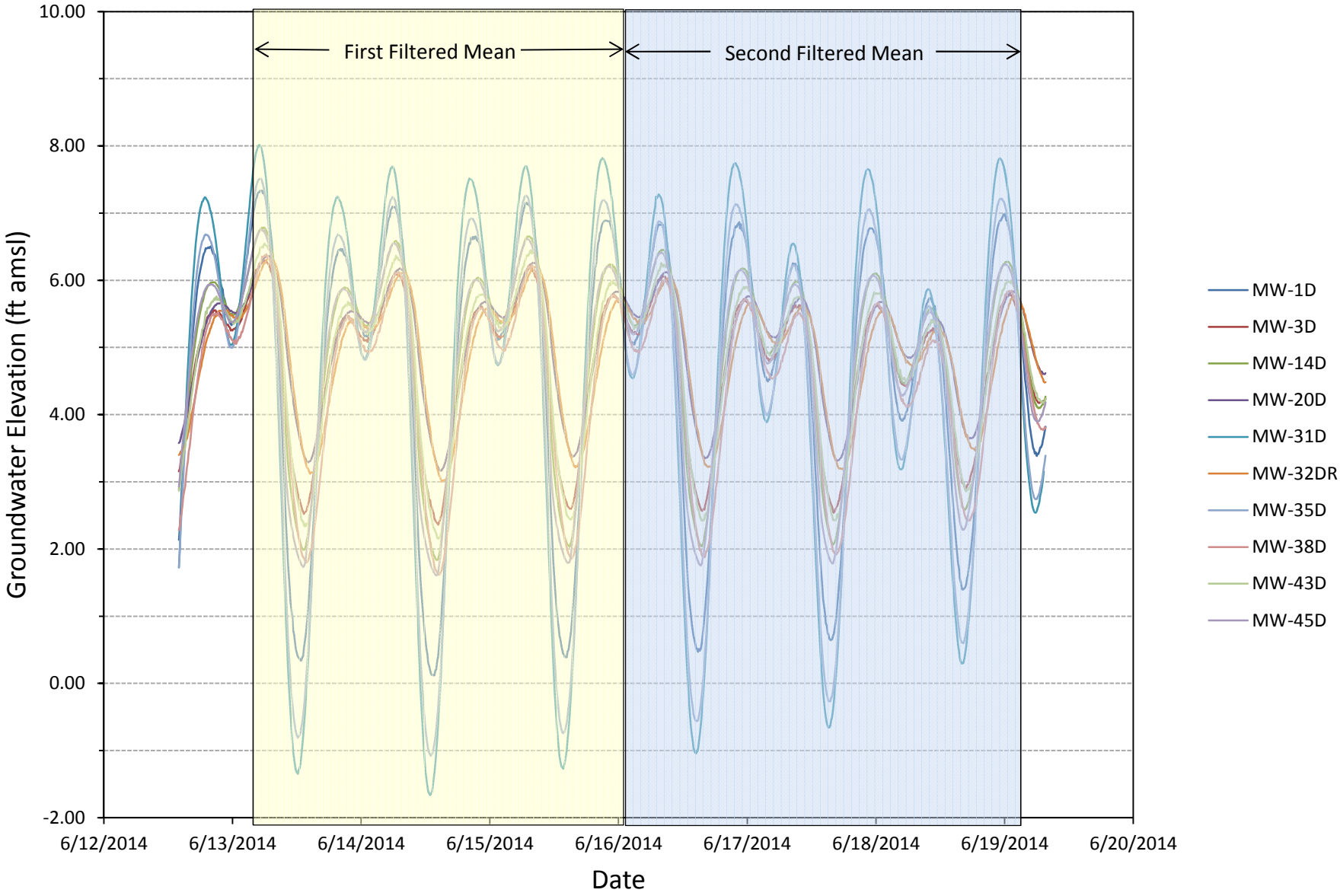

Figure 7
Summary of Filtered Means
Glacier Northwest Inc.-Reichhold Inc. Site
5900 West Marginal Way SW
Seattle, Washington