

October 2, 2018 Project No. 170017H001

Lakeside Industries, Inc. 6505 226th Place SE, Suite 200 Issaquah, Washington 98027

Attention: Ms. Karen Deal

Subject: Revised Critical Area Assessment (CAA)

Maple Valley Asphalt Plant

18825 SE Renton-Maple Valley Road

King County, Washington

Dear Ms. Deal:

As requested, Associated Earth Sciences, Inc. (AESI) is pleased to provide this letter-report containing our revised assessment of the critical areas (geologic hazard areas and aquifer recharge areas) for the subject site. The original critical area assessment (CAA) was performed as a requirement by King County Department of Permitting and Environmental Review (KCDER) for the proposed environmental remediation efforts and future development of the site. This revision includes additional information to address King County comments, dated April 23, 2018, regarding geologic hazard areas and aquifer recharge areas for the project grading permit and SEPA review submittal. Our study is based on information provided by Lakeside Industries, Inc. (Lakeside), David Evans and Associates, Inc. (DEA) and Triad (Triad is now part of DEA) including advance issue construction plan sets (including stormwater plans) titled "Maple Valley Asphalt Facility Site Engineering Plan," Sheet 1 through Sheet 13, dated October 2, 2018, and "Road Improvements Plan," Sheet 051 through 055, dated September 26, 2018.

Written authorization to proceed with the CAA and this revision was granted by Ms. Karen Deal and our study was accomplished in general accordance with our proposals dated January 13, 2017 and May 17, 2018. Our scope of work included a review of readily available information including in-house resources, municipal records, geologic maps, and historical aerial photography and site reconnaissance. AESI also performed subsurface exploration onsite for a

proposed stormwater infiltration facility under a separate proposal, dated January 16, 2018. Results of our subsurface exploration is presented in a separate report, dated October 2, 2018 (AESI, 2018).

This letter-report has been prepared for the exclusive use of Lakeside and their agents, for specific application to this project. Within the limitations of scope, schedule, and budget, our services have been performed in accordance with generally accepted engineering geology practices in effect in this area at the time our letter-report was prepared. No other warranty, express or implied, is made. It must be understood that no recommendations or engineering design can yield a guarantee of stable slopes. Our observations, findings, and opinions are a means to identify and reduce the inherent risks to the owner.

The location of the site is shown on Figure 1, and the various key features discussed below in this letter-report are shown on the attached "Site Plan" (Figure 2).

SITE DESCRIPTION

The subject property consists of approximately 25 acres and is located at 18825 SE Renton-Maple Valley Road along the south side of the Renton-Maple Valley Highway, opposite the Cedar River, east of Renton, Washington. The parcel is irregularly shaped with a smaller "panhandle" on the east side. The parcel is bordered to the west, south, and east by undeveloped lots. Steep, undeveloped north to northwest-facing slopes up to approximately 320 feet tall with gradients of between 20 and 75 percent are located within the southern and eastern panhandle portion of the property and extend up beyond the property line to the south and southeast. The topography within the remainder of the property, is relatively level, graded, and contains a large fill pad.

The site is currently vacant, and all previous business-related structures have been removed. A well house for Group B Water System No. AB892 exists on the southwest portion of the property south of the fill pad. A large soil stockpile, partially vegetated, of on-site origin, is located on the east side of the property and a small soil stockpile is located on the southeast corner of the fill pad. Wetlands and streams are identified (by others) along the perimeter of the fill pad and the base of slopes. Stream A travels down the slope from the south and flows into Stream B at the base of the slope. Wetland A is the headwaters for Stream B, which flows west along the base of the slope to the confluence with Stream A, then flows north along the western edge of the fill pad (Figure 2). Portions of the existing fill pad are within the buffers of the identified streams and wetlands.

PROJECT DESCRIPTION

The previous activities on the site have led to contamination of the soil and groundwater. The first proposed activity on the property includes remediation of the site by removing the contaminated soil from the site. AESI has prepared this report with the understanding that

environmental cleanup activities will be performed in accordance with Washington State Department of Ecology (Ecology) standards prior to the proposed development. remediation, our understanding is the lower portion of the site will be developed into an asphalt plant. The asphalt plant will consist of drive lanes, aggregate stockpiles, aboveground storage tanks, mixing and crushing machinery, and a small office building. conversations with Lakeside, the proposed development for the site includes asphaltic concrete surfacing of the entire lower region of the site. They plan to utilize secondary containment for all their aboveground tanks.

Stormwater management for the project is designed in accordance with the 2016 King County Surface Water Design Manual (KCSWDM). Current stormwater plans indicate that stormwater from the proposed developed portion of the site including pavement will be conveyed to lined biofilter swales on the western and northern edges of the pavement and the southern edge of Highway 169. From the biofilter swales, stormwater will be conveyed via closed piping systems in the following sequence: 1) two oil/water coalescent plate separators, 2) a water quality pre-settling vault, 3) a large sand filter, and 4) an infiltration Stormtech chamber system located near the northeast corner under pavement (Figure 2). Roof runoff from the office will be conveyed to the infiltration facility and roof runoff from the covered portion of the proposed pavement will be conveyed to a lined biofilter swale.

The remaining portions of the property south, west, and east of the proposed pavement include undeveloped slopes and existing fill pad areas within the stream and wetland buffers. Current plans indicate stormwater generated from these areas will be collected in swales, French drains, or existing drainages and ultimately discharge to the Cedar River via Stream B (stormwater from the south and west) and via a culvert under Highway 169 (stormwater from the east). Figure 2 shows elements of the proposed development and stormwater plan, and identifies streams, wetlands, and their buffers established by others.

LITERATURE REVIEW

Aerial Image Review

AESI reviewed topographic and other pertinent information contained at the King County iMAP website¹. AESI reviewed aerial photographs of the site and surrounding area available at the iMAP website dating from 1936 to 2017 and a 1990 aerial photograph on Google Earth. Of the images reviewed, no definitive indications of recent large-scale landslides were noted on the property. Grading and soil stockpiling has occurred on the eastern panhandle at the base of the steep slopes as observed in 1936 through 2017 aerial photography.

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¹ King County iMAP (<u>www.kingcounty.gov/ser</u>vices/gis/Maps/imap.aspx)

LiDAR (Light Distance and Ranging)

As part of our critical areas assessment, we reviewed LiDAR (Light Distance and Ranging) imagery of the site and vicinity. LiDAR provides high resolution topographic aerial images of the ground surface. The LiDAR imagery can detect large-scale geomorphic features, such as landslides, even in heavily vegetated areas like the subject site. We observed bowl-shaped, or arcuate features within the sloping area of the southern portion of the property. These features can be indicative of groundwater discharge and/or evidence of small-scale landslides since the last glaciation period. There was likely deposition of a fan at the toe of slope from the erosion and sediment transport of material derived from the bowl-shaped geomorphic features. However, evidence of a fan has likely been obscured by site grading activities. The courses of Streams A and B appear to have been modified by berming to direct flow to the western margin of the site.

Geologic Maps

Based on review of the published geologic map titled Surficial Geologic Map of the Maple Valley Quadrangle, King County, Washington by D.B. Booth, dated 1995 (Booth, 1995), the steep slopes located within the southern portions of the site are underlain by glacially consolidated Vashon-age glacial till, Vashon advance outwash, and pre-Vashon, undivided glacial and non-glacial deposits. Per the referenced geologic map, the older pre-Vashon sediments generally consist of dense to very dense till, sand and gravel with minor silt, clay, and peat. Vashon advance outwash consisting primarily of sand and gravel with variable amounts of silt are shown on the map in the upper to mid-slope region immediately south of the property boundary. A small area of Vashon advance outwash is mapped onsite near the southeastern project boundary. The younger higher elevation Vashon-age glacial till sediments mantle the upland areas upslope of the site, and generally consist of an unsorted mixture of clay, silt, sand, and gravel, deposited directly by the advancing Vashon-age glacier. The low-lying areas of the site and vicinity extending from the base of the steep slopes north to and beyond the site boundary are mapped as Quaternary alluvium. These deposits are described as loose, stratified to massively bedded fluvial silt, sand, and gravel. Holocene mass wasting deposits are mapped on the slope in the southern portion of the site. The mass wasting deposits are most likely deposited on the site by small landslides or sediment transfer from the southern drainage channels. Figure 3 shows geology of the site and surrounding area, adapted from Booth (1995).

Environmental Site Assessment

AESI was provided a Phase I Environmental Site Assessment Report (ESA) from Farallon Consulting (Farallon) dated April 19, 2016. The report discusses the historical use of the site and the recognized environmental conditions (RECs) identified onsite through review of historical documents and a site reconnaissance. We were also provided a letter from Farallon dated September 1, 2016 which depicts the discovery of an environmental release onsite and the planned independent cleanup of petroleum hydrocarbon constituents. Associated with this

work we were provided copies of seven monitoring well logs attached as Appendix A. Upon receiving a grading permit from King County, Lakeside plans to excavate and remove the contaminated soil from the site. We understand that Farallon will provide environmental services for the project. AESI has prepared this study with the understanding that environmental cleanup activities will be performed in accordance with Ecology standards prior to the proposed development.

GEOLOGIC RECONNAISSANCE

A geologic reconnaissance of the property was done by AESI on January 23, 2017 and June 28, 2018. The predominant geomorphic features of the site consist of an imported fill pad overlying alluvial soils on which the existing development and proposed new development are situated. The site is bordered by steep slopes to the south and southeast. AESI observed an old road located on the east side of the site. The road climbs up from the main pad at an approximate elevation of 180 feet to a relatively level bench at an elevation of 220 feet. The bench is located on the southern portion of the site near the base of steep slopes.

On the west edge of the bench, we observed Stream A as labeled on Figure 2. The drainage channel of Stream A is oriented generally north-south onsite. Stream A enters the site from the south, flows north past the bench then curves to the west. Stream A combines with Stream B at the base of the slope and continues north along the western edge of the site.

A well house for the on-site Group B well (Water System No. AB892) was observed on the southwestern portion of the site near the base of the slope. According to Washington State Department of Health (DOH) records, an irrigation well, formerly Group B Water System 38640, exists on the northeastern portion of the site (see "Groundwater Wells and Use" section below). No indication of the wellhead for the irrigation well was observed in the northeastern portion of the site.

The steep slopes located on the southern portion of the property, except for the bench, were observed to contain a moderately dense vegetative growth consisting of young to mature, mostly straight-trunked evergreen trees, deciduous trees, and a moderately well-developed undergrowth of native shrubs and blackberry brambles. We did not observe seepage on the slope where traversed with the exception of Streams A and B.

The slope that extends up to the southeast does not appear to be forming the same arcuate features as are observed to the south and were observed to be fully vegetated with trees and underbrush. Few evergreen trees were observed mainly near the top of slope. Predominantly deciduous trees were observed on the slope face. No bare, unvegetated areas were observed. No back-rotated trees were observed. A few curved tree trunks were observed on the slope that may indicate slow creep. No obvious signs of significant slope failure were observed on the slopes immediately southeast of the site.

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During our geologic reconnaissance of the site and vicinity, we did not observe tension cracks or other indications of recent slope instability.

ENVIRONMENTALLY CRITICAL AREAS

AESI assessed erosion, landslide, steep slope, coal mine, and seismic hazard areas, and critical aquifer recharge areas. Erosion, landslide, and steep slope hazard areas are presented on Figure 4. Figure 5 presents critical aquifer recharge area data.

Erosion Hazard

Soils and Designated Erosion Hazard Areas

King County Code (KCC) 21A.06.415 defines an erosion hazard area as an area underlain by soils that is subject to severe erosion when disturbed. These soils include, but are not limited to, those classified as having a severe to very severe erosion hazard according to the United States Department of Agriculture Soil Conservation Service, the 1990 Snoqualmie Pass Area Soil Survey, the 1973 King County Soils Survey or any subsequent revisions or addition by or to these sources such as any occurrence of River Wash ("Rh") or Coastal Beaches ("Cb") and any of the following when they occur on slopes inclined at fifteen percent or more:

- A. The Alderwood gravely sandy loam ("AgD");
- B. The Alderwood and Kitsap soils ("AkF");
- C. The Beausite gravely sandy loam ("BeD" and "BeF");
- D. The Kitsap silt loam ("KpD");
- E. The Ovall gravely loam ("OvD" and "OvF");
- F. The Ragnar fine sandy loam ("RaD"); and
- G. The Ragnar-Indianola Association ("RdE").

The sloping portions of the property, identified on Figure 4, have a high risk of erosion and classify as erosion hazard areas. These areas are underlain by Alderwood and Kitsap soils (AkF) on 25 to 70 percent slopes derived from glacial till and glacial lake deposits. A small portion of the property, in the southeast corner, is underlain by Alderwood gravelly sandy loam on 8 to 15 percent slopes.

The existing and proposed development area is identified as Urban Land by the United States Department of Agriculture's Natural Resource Conservation Service (USDA-NRCS) Web Soil Survey. Pre-development or historical soils of this area are not identified by available USDA-NRCS soils maps. Based on the surrounding soil units and AESI's subsurface exploration (AESI, 2018), the pre-development soils of the site labeled Urban Land are likely Pilchuck loamy fine sand (Pc) and/or Puyallup fine sandy loam (Py). The parent material is gravelly and sandy alluvium for Pc and alluvium for Py and both soils formed on nearly flat terraces and flood plains. According to the soil survey, soil units Pc and Py have the following properties: 1) a

"slight" erosion hazard indicating little or no erosion is likely, and 2) Group A hydrologic soil group having a high infiltration rate, are well drained to excessively drained with a high to very high capacity to transmit water (USDA-NRCS, 2017). This is consistent with AESI's on-site explorations (AESI, 2018). In our opinion, this portion of the site has a low risk of erosion.

Proposed Stormwater Facilities

Portions of the existing fill pad are within wetland and stream buffers, south and west of the proposed development. Plans indicate enhancement of wetland/stream buffers is proposed. The areas to the south and west where enhancement is proposed are not considered erosion, landslide, or steep slope hazard areas, however they are located within buffers to those hazards In addition, swales and French drains are proposed immediately (Figures 2 and 4). east/southeast of the proposed pavement within the buffer of erosion, landslide, and steep slope hazard areas, to intercept stormwater generated east of the proposed pavement from non-pollution generating surfaces (NPGS). In our opinion, installation of drainage facilities/conveyances to enhance drainage within the buffer is appropriate and significant adverse impacts to the erosion, landslide, or steep slope hazard areas are not anticipated.

The proposed stormwater infiltration system facilities and biofilter swales are not located within erosion, landslide, or steep slope hazard areas or their buffers (Figures 2 and 4) and impacts to those hazard areas are not anticipated by the proposed infiltration system.

General

At the time of our site visit, flows in Stream A and B were fully contained within the drainage channels. However, it should be noted that future changes in the condition of stream drainages such as landslides in the steep slope areas adjacent to the stream or increased erosion of the banks of the stream and increased sediment deposition within the channel may cause drainage courses to change. Mitigation to protect structures may be necessary to account for changes to the drainage course over time.

In AESI's opinion, the proposed environmental remediation efforts and proposed development, within the northern portion of the site, has a low risk of erosion and should not increase the erosion of the nearby slopes.

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Landslide Hazard

Per KCC 21A.06.680, a landslide hazard area is an area subject to severe risk of landslide, such as:

- A. An area with a combination of:
 - 1. Slopes steeper than fifteen percent of inclination;
 - 2. Impermeable soils, such as silt and clay, frequently interbedded with granular soils, such as sand and gravel; and
 - 3. Springs or ground water seepage;
- B. An area that has shown movement during the Holocene epoch, which is from ten thousand years ago to the present, or that is underlain by mass wastage debris from that epoch;
- C. Any area potentially unstable as a result of rapid stream incision, stream bank erosion or undercutting by wave action;
- D. An area that shows evidence of or is at risk from snow avalanches;
- E. An area located on an alluvial fan, presently or potentially subject to inundation by debris flows or deposition of stream-transported sediments.

The sloping portions of the property to the south, southeast, and east are considered landslide hazard areas, as identified on Figure 4, due to a combination of steepness, height, continued erosion, shallow slides evidenced by the geomorphology (southern portion), mapped landslides (eastern portion, Figure 4), seepage/wetlands at the base of slopes, and presence of low-permeable units on the slope as indicated by the referenced geology map (Booth, 1995).

A deep-seated historical landslide is mapped by King County on the slope above the eastern panhandle and the mapped landslide mass covers a portion of the panhandle (Figure 4). This area is also identified by King County as a potential landslide hazard area. Portions of the eastern panhandle are identified as a wetland. Development is not proposed on the panhandle portion of the site or within a 100-foot buffer of the mapped landslide toe.

Based on review of the existing literature, and observations of site conditions during our recent geologic reconnaissance of the property, the risk of damage to the existing and proposed new structures by deep-seated landslide activity is low, in AESI's opinion.

The slopes to the southeast of the site are greater than 40 percent with a total height of approximately 200 feet. King County has identified this slope as having a severe potential for shallow debris slides. Shallow debris slides are typically shallow in depth and small in lateral extent. AESI observed this slope to be well vegetated and did not observe obvious signs of slope instability. Currently, the proposed office, control house, and other major processing elements are located more than 100 feet from the landslide hazard area along the southeastern portion

of the property. In our opinion, the proposed locations of these structures in relation to the landslide hazard area is adequate.

A reduced buffer of approximately 35 feet is currently proposed between the steep slopes/landslide hazard area and the edge of pavement, the Reclaimed Asphalt Pavement (RAP) stockpiles, and crusher. We recommend a minimum setback and buffer of 30 feet from these development features and the southeastern steep slope/landslide hazard area identified on Figure 4.

The steep slopes located south of the site are underlain by Holocene-age mass wasting deposits (Figure 3). It appears the mass wasting deposits were derived from underlying dense to very dense glacially consolidated, generally coarse-grained sediment based on published geologic mapping. It should be noted that the upper several feet of these dense sediments can be loosened by precipitation, freeze/thaw, animal burrowing, and foot traffic. The loosened soils are subject to mass wasting events including relatively shallow landslides. Loosened soils may also migrate down the steep slope via gravity forming an accumulation of colluvium at the slope toe. Shallow slides usually occur during seasonally wetter periods of the year. Based on the distance of the proposed development from the southern slopes, the presence of the deep drainages at the base of these slopes creating catchments for any potential small-scale slide debris, and previous grading that has occurred to create the "bench"; the risk of damage to the proposed development by shallow slides originating on the southern slope is low, in AESI's opinion. Figure 2 shows a 50-foot wetland buffer zone extending onto the site from the base of the slopes. In our opinion, an additional 15-foot building setback for a combined buffer/building setback distance of 65 feet is appropriate to account for runout from the identified landslide hazard or debris flow hazards related to Stream A.

Steep Slope Hazard

According to KCC 21A.06.1230, a steep slope hazard area is defined as an area on a slope of forty percent inclination or more within a vertical elevation change of at least ten feet.

Portions of the site to the south, southeast, and on the eastern "panhandle" classifies as steep slope hazard areas since slope gradients exceed 40 percent and the slope heights range from about 200 feet to over 300 feet (Figure 4).

The proposed control house and other major processing elements are located more than 100 feet from the toe of the steep slopes along the southern portion of the property. The proposed RAP stockpiles and crusher are located approximately 35 feet from the toe of the steep slope hazard area to the southeast. Based on our observations in the field, the southeast slope is not eroding at the same rate as the slopes to the south and has denser vegetation. We recommend a minimum setback and buffer of 30 feet from the toe of the southeastern slope to allow for catchment of the weathered zone deposits that may release over time. Alternatively, the setback and buffer may be reduced to 15 feet in combination with a low wall constructed at

the toe of slope to provide debris catchment. The wall should be no taller than 4 feet in height and can be constructed as a cast-in-place concrete wall or a large segmental concrete block wall (Ultra Blocks or Redi-Rock for example). The wall is intended to provide catchment for loose surface soils. The area behind the wall should be periodically cleared of accumulated soils.

Coal Mine Hazard

According to KCC 21A.06.200 a coal mine hazard area is defined as an area underlain or directly affected by operative or abandoned subsurface coal mine workings.

As part of our study, we conducted a review of historic coal mining maps on file with the Washington State Department of Natural Resources (DNR). Review of the readily available maps and the data indicates that the entrance of the New Black Diamond Mine also known as the Indian Mine owned and operated by the Pacific Coast Coal Company was located on this property. The maps indicate two openings located near the base of the southern slope at the west and east ends of the "bench." The maps show the mine entrances extending into the hillside to the southwest and southeast, respectively, and extending offsite.

Based on the review of the readily available information the workings appear to extend offsite to the southwest. Therefore, it is AESI's opinion that the proposed remediation and eventual development will not be underlain by the abandoned subsurface coal mine workings. The mine shaft maps that we reviewed only showed workings beneath the slope of the property, therefore development of the lower regions of the site should be unaffected.

Seismic Hazard

Seismic hazards are defined by KCC 21A.06.1045 as an area subject to severe risk of earthquake damage from seismically induced settlement or lateral spreading as a result of soil liquefaction in an area underlain by cohesionless soils of low density and usually in association with a shallow ground water table.

Liquefaction is a process through which unconsolidated, saturated, granular soil loses strength as a result of vibrations, such as those which occur during a seismic event. Liquefaction can result in deformation of the sediment and settlement of overlying structures. Areas most susceptible to liquefaction include those areas underlain by non-cohesive silt and sand with low relative densities, accompanied by a shallow water table. The site is mapped by King County as a moderate to high liquefaction hazard potential. The geologic map of the area indicates alluvial soils which support the County's designation.

AESI has reviewed the available subsurface information from the environmental investigations onsite which described the soil encountered as being cohesionless. However, there was limited information regarding the density except from 12.2 to 19 feet on the MW-1 log, and 15.5 to 20 feet on the MW-5 log. In both instances, they noted a loose consistency. Among all the

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monitoring wells installed onsite groundwater elevations were recorded ranging from 2 to 10½ feet below the ground surface. Based on the reviewed information it is AESI's opinion that the site classifies as a seismic hazard area, and further study should be done to evaluate the probability and magnitude of seismically induced settlement during a design-level earthquake event.

The project site is located within a zone of shallow bedrock referred to as the Seattle Uplift. The Seattle Uplift is bounded on the south by the Tacoma Fault Zone (TFZ) located approximately 12 miles southwest of the site, and on the north by the main strand of the Seattle Fault Zone (SFZ) located approximately 8 miles north of the site. Recent studies of the SFZ and the TFZ have concluded that certain fault splays within these fault zones are active (evidence of seismic activity in the last 11,000 years). Based on the distance of the TFZ from the site, it is AESI's opinion that the risk of damage from surface fault rupture along any of the known fault splays associated with this fault is low.

The Seattle Fault is understood to consist of a fault zone typically approximately 1 to 2 miles wide, with displacement distributed across multiple fault "strands" within the fault zone. The SFZ extends west to east from approximately Bremerton to Fall City. Displacements within the SFZ occur along discreet strands within the relatively large fault zone. Current research indicates that the Seattle Fault has locally offset Quaternary sediments, which indicates that within the geologic time frame the fault zone is active or potentially active; an active fault is one that has ruptured in the last 11,000 years and a potentially active fault is one that has ruptured in the Quaternary (last 2.1 million years). Recent studies have focused on fault splays within the northern portion of the SFZ, referred to as the "deformation front," where evidence of recent faulting is more prevalent. The southernmost known fault splay within the SFZ is mapped approximately 2 miles northeast of the site. This fault splay is inferred based on geophysical studies. Other specific data pertaining to this fault are limited. Based on AESI's review of published data pertaining to the SFZ, and the distance of the SFZ from the site, we conclude that the risk of surface fault rupture related to known fault splays within the SFZ is low.

Review of the *Geologic Map of the Tacoma 1:100,000-scale Quadrangle, Washington* dated November 2015 and compiled by Eric J. Schuster and others, indicates an east-west-trending, north-dipping normal fault is mapped to the east of the site. The fault reportedly displaces early Eocene to early Oligocene (~33 million years old) Renton Formation bedrock. The fault is shown as concealed beneath Vashon-age lodgement till east and west of its mapped location. Data pertaining to this fault are limited. We have not identified any other specific information regarding this fault during our research of published geologic references. Given the fault is not shown to have displaced Vashon lodgement till dating around 15,000 years old, it is AESI's opinion that the fault is not considered active and presents a low risk of damage to the site due to fault rupture.

CRITICAL AQUIFER RECHARGE AREAS (21A.24.316)

Critical Aquifer Recharge Areas (CARAs) are defined by KCC 21A.06.253C as "an area designated on the critical aquifer recharge area map adopted by KCC 21A.24.311 that has a high susceptibility to ground water contamination or an area of medium susceptibility to ground water contamination that is located within a sole source aquifer or within an area approved in accordance with Chapter 246-290 WAC as a wellhead protection area for a municipal or district drinking water system, or an area over a sole source aquifer and located on an island surrounded by saltwater. Susceptibility to ground water contamination occurs where there is a combination of permeable soils, permeable subsurface geology and ground water close to the ground surface."

Portions of the site have a Sole Source Aquifer (SSA) designation by the U.S. Environmental Protection Agency (EPA) to protect the City of Renton well fields. In addition, portions of the site are within the wellhead protection area of the King County Water District #90 (KCWD#90) well field. King County has designated portions of the site as CARA Category 1 and 2 based on King County's susceptibility rating of the soils and because they are located within SSA and wellhead protection areas. According to King County, portions of the site have a high susceptibility rating for contamination.

This letter-report provides information to address the following topics, which satisfy the reporting needs and critical aquifer recharge area development standards for this site, in our opinion.

- Available information regarding geologic and hydrogeologic characteristics of the site, including the surface location of all critical aquifer recharge areas located onsite or immediately adjacent to the site, and permeability of the unsaturated zone.
- Groundwater depth, flow direction, and gradient based on available information.
- Currently available data on wells and springs within ¼ mile of the project area.
- Locations of other critical areas, including surface waters, within ¼ mile of the project site.
- Available historic water quality data for the area to be affected by the proposed activity.
- Groundwater quantity and quality impacts and proposed mitigations (best management practices [BMPs]).

Physical Setting and Topography

Physical Setting

The surface location of the CARAs, SSA, and wellhead protection areas for KCWD#90 and Renton well fields in relation to the project site are shown on Figures 1 and 5. The site lies within King County designated CARA Category 1 and 2, EPA designated SSA, and wellhead protection areas for KCWD#90 wells. In addition, the Cedar River lies approximately 150 feet to the north of the northern property boundary, across SE Renton-Maple Valley Road. Delineated wetlands and streams, and their associated buffers are present to the west, south, and east of the development area.

Topography/Geology

As described in the "Literature Review" section of this letter-report, the steep slopes located within the southern portions of the site are underlain by mass wasting deposits, glacially consolidated Vashon-age glacial till, Vashon advance outwash, and pre-Vashon, undivided glacial and non-glacial deposits. The low-lying areas of the site and vicinity extending from the base of the steep slopes north to and beyond the site boundary is mapped as Quaternary alluvium which is described as loose, stratified to massively bedded fluvial silt, sand, and gravel. The lithologic descriptions contained in the exploration logs completed by AESI (AESI, 2018) and boring logs completed by Farallon (Appendix A) are in general agreement with geologic mapping (Booth, 1995).

Groundwater Depth, Flow Direction, and Gradient

Farallon's monitoring well logs and Groundwater Contours Map (Appendix A) depict a generally northeast-trending groundwater flow direction, with a gradient of approximately 0.06 to 0.08 feet vertical, per foot horizontal (ft/ft). Groundwater was encountered during drilling at depths of approximately 9 to 10 feet below ground surface (bgs) in monitoring wells MW-1 through MW-6, and at 2 feet bgs in MW-7. The sand and gravel deposits described in Farallon's logs are interpreted to represent Holocene younger alluvium (Qyal) described in Booth, 1995. The Qyal sediments are described as moderately sorted deposits of cobble gravel, pebbly sand, and sandy silt. In bulk, these deposits would have moderate to high permeabilities, depending in part on the degree of sorting and silt content. AESI's explorations and infiltration rate testing are in general agreement with the lithologic descriptions above and indicate the alluvium in the area of the infiltration rate test had high to very high permeability (AESI, 2018).

Groundwater Wells and Use

Available well and water system data was obtained from online databases at DOH, Ecology, and from wellhead protection plans for the Group A water systems. The site is within the 5-year and 10-year wellhead protection areas for the Group A KCWD#90 wells. The site is not located

within the wellhead protection area for the City of Renton Group A systems, but it is within the SSA associated with those wells. Four Group B water systems or their assigned time of travel are located within a 1,320-foot (¼ mile) radius of the site, including the on-site Group B system. Records for one domestic well within the ¼-mile radius were obtained from the Ecology water well database. Each water system or well is discussed below. Water system records and well logs are included in Appendix B.

Sole Source Aquifer (SSA) and City of Renton Wellhead Protection Areas

The primary source of the Renton municipal water supply is the Cedar Valley Aquifer. Portions of the Cedar Valley Aquifer have been designated a SSA by the EPA for the City of Renton wells in 1986. This includes the alluvial sediments of the site which encompasses the entire developed area and proposed development area of the site. The City of Renton petitioned and was granted SSA status and protection by the EPA. According to the City of Renton Wellhead Protection Plan (Renton, 2012), the designation helps to protect the aquifer.

The City of Renton delineated groundwater capture zones (1-year, 5-year, and 10-year time-of-travel (TOT) zones) to their Group A wells to comply with DOH requirements of Washington Administrative Code (WAC) 246-293-135(3). The 10-year TOT in relation to the site is depicted on Figure 1. The capture zones were delineated using a combination of groundwater flow (MODFLOW) and particle tracking modeling and were presented in the Wellhead Protection Plan (Renton, 2012). The project site is over 9,000 feet outside and upgradient of the 10-year TOT (Figure 1). Based on the distance between the project site and the modeled 10-year TOT as well as the proposed stormwater management plan, it is our opinion that the project will not have a significant adverse impact on the City of Renton Cedar Valley Aquifer water source.

King County Water District # 90 (KCWD#90) - Group A Water System

The wellhead protection plan for KCWD#90 Water System No. 41150 delineated groundwater capture zones (1-year, 5-year, and 10-year TOT zones) to their Group A wells to comply with DOH requirements of WAC 246-293-135(3). The capture zones were delineated using a combination of groundwater flow and particle tracking modeling. The TOT zones are shown on Figure 5, as presented in the wellhead protection plan (Pacific Groundwater Group [PGG], 2014). The majority of the subject property lies within the jurisdictional 10-year TOT Group A water system 41150. The northwest corner of the site is within the 5-year TOT. The water system, owned by KCWD#90, is served by a well field which includes three wells: Wojewodski Well 1, Well 2 APP301, and Well 3 BCS873. Well logs for Wells 2 and 3 are included in Appendix B. The well log for Well 1 was not available from Ecology's well log database. The well field is located approximately ½ mile northwest, on the other side of the Cedar River from the subject property within the Cedar River Valley.

The DOH and King County online databases have assigned TOT for KCWD#90 Water System 41150 that are based on assumed capture zones that have not been modeled. These capture zones have not been updated to the modeled TOTs presented in the wellhead protection plan (PGG, 2014) and indicate the site is located within the 1-year and 5-year TOT.

Group B Water Systems

<u>Water System No. AB892</u> - This water system is on the subject property, identified as Goodnight Properties Water System. The well is identified with Ecology well tag no. AFJ613. The well is 50 feet deep, and at time of drilling, had a static water level of 2 feet bgs. The well is completed with a 4-inch liner, and is screened from 30 to 50 feet deep. The system is listed as having a capacity of 20 gallons per minute (gpm), with one approved connection.

<u>Water System No. 52451</u> - This water system is located west of the subject property with the system name identified as Muralt, Ted, owned by Richardo Ramacho. The water system is located at 17823 Renton-Maple Valley Highway. A small portion of the water system's assigned TOT radius intersects the ¼-mile radius from the subject site. This water system has two approved connections. The well log indicates the well was installed in 1980 to a total depth of 22 feet bgs, with an open bottom completion. The static water level shown on the well log is 3 feet bgs. The well location shown on Figure 5 is at the parcel level.

<u>Water System No. 38128</u> - There is no well address, well tag, or parcel number listed for this water system. The well depth is listed as 11 feet, and it is located in the SE ¼, SE ¼, Township 23N, Range 6E, which is east of the subject property. The system owner name is Kenny's Service Station, listed at 18015 Maple Valley Highway, which is located to the west of the subject property. The system is listed as having eight active connections and no approved connections.

<u>Water System No. 46980</u> - This water system is located west of the subject property with the system name identified as Cedar Rapids Grocery, owned by George McCall. The water system is located at 18015 SE Renton-Maple Valley Highway. A small portion of the water system's assigned TOT radius intersects the ¼-mile radius from the subject site. This water system has nine approved connections. The well log indicates the well was installed in 1987 to a total depth of 18 feet bgs, with an open bottom completion. The static water level shown on the well log is 7 feet bgs. The well location shown on Figure 5 is at the parcel level.

Domestic Well

<u>Well No. 1556680</u> - The well log indicates the well is owned by Chuck Vowell on Parcel No. 1923069016, immediately adjacent to the subject property to the east at 15905 190th Avenue SE. The well is completed with an open bottom, at a depth of 75 feet bgs. Static water level was 55 feet bgs. The well log shows hardpan extending to a depth of 47 feet, under which is sand and gravel to a depth of 70 feet. The sand and gravel unit is underlain by sandstone at this

depth. The well location on Figure 5 is shown to the parcel level but the exact location on the parcel is unknown. Irrigation Well

Water System No. 38640 - DOH records indicate that Group B Water System 38640 is owned by King County Shop #2. As described in the paragraphs below, the well associated with this water system has been reclassified as an irrigation well. No well address is provided, and no well log or Ecology well ID is provided in the DOH online database. The well depth is listed as 35 feet. The DOH describes five active connections and undetermined approved connections. The DOH location information for this well is limited to the quarter-quarter section.

The title report for the subject property included a covenant document entitled Declaration of Covenant to Acknowledge Use of a Well for Irrigation Purposes Only, and Not to be Connected to Potable Water Source or Used for Potable Water Source, dated June 18, 2009, with reference number 20090624001358. This document is included in Appendix B. The covenant declares that the well is to be utilized solely for irrigation purposes and is not to be connected to any potable water supplies. The well covenant document references the original King County Group B Water Use Agreement as document number 20051229000800. The above-referenced covenant converts the Group B designation to an irrigation well.

In our review of the Ecology and DOH well log databases, we did not find documentation of decommissioning of this well. The well is not in use currently and future use is not proposed. Lakeside is unable to locate the wellhead onsite. While the exact location of this well is not known, the location shown on Figure 5 is approximated from multiple years of aerial photographs, the ALTA survey provided by Lakeside and the location description contained in the above-referenced covenant document. We recommend that the well be properly decommissioned per KCC 21A.24.316 Critical aquifer recharge areas — development standards, section E: In any critical aquifer recharge area, the property owner shall properly decommission an abandoned well. Chapter 173-160 WAC: Minimum Standards for Construction and Maintenance of Wells reinforces the decommissioning standard and describes acceptable decommissioning methods.

Groundwater Quantity and Quality Impacts and Proposed Mitigations (BMPs)

Proposal Elements

The project proposes to continue operation of the existing Group B water system to serve the proposed administrative office. The office will be served by an underground sewage holding tank; no on-site septic system is proposed. In addition, the project proposes to pave the entire operational site with asphalt and use primary and secondary containment for aboveground storage tanks.

October 2, 2018 ASSOCIATED EARTH SCIENCES, INC.

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Stormwater management for the project is designed in accordance with the KCSWDM. Proposed stormwater plans indicate that stormwater will be managed via infiltration into on-site permeable alluvial sediments. Plans indicate stormwater from pollution-generating surfaces (PGS) will be pre-treated to a minimum treatment level of enhanced basic. Stormwater from PGS will be conveyed to lined biofilter swales. From lined biofilter swales, stormwater will be conveyed via closed piping systems in the following sequence: 1) two oil/water coalescent plate separators, 2) a water quality pre-settling vault, 3) a large sand filter, and 4) an infiltration Stormtech chamber system located near the northeast corner under pavement (Figure 2). Roof runoff from the office will be conveyed to the infiltration facility and roof runoff from the covered portions of the proposed pavement will be conveyed to lined biofilter swales. Wetlands and stream drainages currently exist around the perimeter of the fill pad (Figure 2). Portions of the existing fill pad are within wetland and stream buffers, south and west of the proposed development. Plans indicate enhancement of wetland/stream buffers is proposed. The remaining portions of the property south, west, and east of the proposed pavement include undeveloped slopes and are considered NPGS. Stormwater from NPGS will be collected in swales, French drains or existing drainages and ultimately discharge to the Cedar River via Stream B (stormwater from the south and west) and via a culvert under Highway 169 (stormwater from the east).

The following sections provide information regarding potential impacts that might result from the proposed development with respect to groundwater quantity and groundwater quality. Planned mitigation measures (BMPs) for minimizing impacts to groundwater recharge, wetland recharge, and water quality are also summarized in the following sections.

Groundwater Quantity

The project proposes infiltration of treated stormwater and roof runoff into on-site permeable alluvial sediments. Wetland and stream buffers will be enhanced and maintained under the current proposal. Stormwater from NPGS will be directed to unlined conveyances, through existing wetlands and streams, and ultimately discharge to the Cedar River. Flow control is designed in accordance with the KCSWDM. AESI performed infiltration testing and groundwater mounding analysis of the proposed infiltration design in accordance with the KCSWDM (AESI, 2018).

The project proposes to continue use of the existing on-site Group B water supply well to service the office. This well is located on the southwestern portion of the site (Figure 5) and located upgradient of the proposed stormwater facilities (Figure 2). Sewage from the office will be stored in an underground holding tank; no on-site septic system is proposed.

Infiltration of all pre-treated stormwater from impervious surfaces under the design storm event will maintain groundwater recharge to the site and downgradient water resources. Enhancement of wetland/stream buffers and routing NPGS stormwater through existing wetlands and streams will maintain and attenuate surface water flows. The minor loss of

recharge due to the groundwater well use and absence of an on-site septic system is offset by the stormwater conveyance and infiltration proposal. It is AESI's opinion that the current development proposal will not result in significant adverse impacts to groundwater quantity or surface water flows to on-site groundwater and surface water features as well as downgradient groundwater and surface water features including the Cedar River Alluvial Aquifer, deeper aquifers, water supply wells, or the Cedar River.

Groundwater Quality

Our groundwater quality assessment includes an evaluation of potential pollutants, fate and transport considerations, and mitigating measures included in the proposed improvement project.

Pollutants generated during construction include suspended solids and trace petroleum hydrocarbons. The foundation for the administrative building has not been determined at this time but will be at grade. Construction materials will not adversely impact the groundwater, in AESI's opinion.

Following construction, the primary source of pollutants include runoff from roadway/paved areas of the site. Pavement runoff includes trace petroleum hydrocarbons and trace metals.

General fate and transport for each of the pollutants identified above includes the following:

- Suspended solids generated during construction (including heavy metals in a particulate form) are generally removed by settling in a temporary detention facility consistent with the KCSWDM and best management erosion control practices. After construction, stormwater runoff will be treated to enhanced basic level as described above in accordance with the KCSWDM and includes a treatment train of biofiltration, pre-settling vault and sand filtration. Therefore, suspended solids generated during construction or in on-site stormwater will not be transported offsite or infiltrated into the subsurface.
- Heavy metals in the dissolved form will be treated to enhanced basic level by the proposed treatment train (or temporary detention pond during construction) in accordance with the KCSWDM. Therefore, heavy metals generated in on-site stormwater will not be transported offsite.
- Dilute concentrations of petroleum hydrocarbons (typical of roadway runoff) are readily
 degradable in the natural environment. The potential for petroleum hydrocarbons will
 be highest on the pavement surfaces of the parking areas and driveways. Water runoff
 from the pavements will be directed to the proposed treatment train for enhanced basic
 treatment in accordance with the KCSWDM.

In addition to the Group B water system located onsite, there is one domestic well within ¼ mile of the site boundary that is used to supply drinking water (Figure 5). This well is located upgradient of the proposed stormwater infiltration system. The water supply well information from DOH for this well is presented in Appendix B. This well should have been constructed according to Ecology well construction standards and as such include a well seal to prevent local surface contamination of the sources.

Deleterious substances and hazardous materials must be identified as required by the General Permit. The project proposes to use aboveground storage tanks to store liquid and gaseous fuel, liquid asphalts, and asphalt cement at the site. Two 30,000-gallon heated asphalt cement storage tanks, one 10,000-gallon diesel tank, and one 10,000-gallon emulsified asphalt tank will be located on a concrete slab within a concrete wall enclosure for secondary containment. One 30,000-gallon propane tank will supply fuel to the proposed drum mix aggregate dryer burner.

Aboveground storage tanks in critical aquifer recharge areas are addressed in KCC Chapter 21A.24.316: "Critical aquifer recharge areas - development standards. The following development standards apply to development proposals and alterations on sites containing critical aquifer recharge areas: A. Except as otherwise provided in subsection H. of this section, the following new development proposals and alterations are not allowed on a site located in a category I critical aquifer recharge area...8. Above-ground storage tanks for hazardous substances, as defined in chapter 70.105 RCW, unless protected with primary and secondary containment areas and a spill protection plan."

The proposed aboveground storage tanks will be protected with primary and secondary containment areas in the form of concrete slab within a concrete wall enclosure. A spill prevention and response plan will be developed in accordance with the General Permit.

In AESI's opinion, if the improvement project follows the recommended BMPs provided in the KCSWDM and the General Permit including development of a SWPPP and a Spill Plan; provide primary and secondary containment areas and a spill protection plan for hazardous materials and aboveground storage tanks; then groundwater quality will not be adversely impacted by the improvement project.

General Hazardous Material Storage and Spill Prevention

- Ensure all hazardous substances are properly labeled.
- Store, dispense, and/or use hazardous substances in a way that prevents releases.
- Provide secondary containment when storing hazardous substances in bulk quantities (approximately 55 gallons).
- Maintain good housekeeping practices for all chemical materials at the facility.
- Routine/Daily checks in the hazardous substance storage area to be performed by a future person onsite to be named at the commencement of work.

- Monthly inspections of the hazardous substance storage area, secondary containment, and annular space (interior cavity of double wall tank) on any aboveground storage tanks need to be logged in this plan.
- In general, most substances stored onsite will be minimal in size, such as 5-gallon gasoline cans. Large volume spills are not anticipated involving the work on this site.

Spill Containment

A Spill Plan will be prepared for the site in accordance with the General Permit. The Spill Plan will include emergency response procedures to reduce the potential for operational or accidental release of pollutants to the surface water or shallow groundwater. Requirements and guidance for development of the Spill Plan are provided by Ecology.

- The general spill response procedure at this facility is to stop the source of the spill, contain any spilled material and clean up the spill in a timely manner to prevent accidental injury or other damage.
- Small spills will be contained by site personnel if they are able to do so without risking injury. Spill kits will be located onsite.

Emergency Procedures

- Immediately call **911** in the event of injury, fire or potential fire, or spill of a hazardous substance that gives rise to an emergency situation.
- Spill cleanup for large spills should be handled by the Spill Cleanup Contractor as specified in the Spill Plan.

Construction Erosion Hazard Best Management Practices

A properly developed, constructed, and maintained erosion control plan consistent with the KCSWDM standards and best management erosion control practices will be required for the project. Care must be taken during construction not to contaminate the stormwater facilities with untreated construction stormwater and silt.

It is in our opinion that with the proper implementation of the temporary erosion and sediment control (TESC) plans and by field-adjusting appropriate mitigation elements (BMPs) throughout construction, as recommended by the erosion control inspector, the potential adverse impacts from erosion hazards on the project may be mitigated.

Description and Management of Deleterious Substances and Hazardous Materials

Any deleterious substances and hazardous materials that will be stored, handled, treated, used, produced, recycled, or disposed of onsite should be identified. And, if necessary, the

assessment shall specify methods of storing and handling these substances and provide a Spill Plan. The identification of deleterious substances and hazardous materials, storage and handling and a Spill Plan is required as part of the Sand and Gravel General Permit.

ADDITIONAL COMMENT RESPONSE AND PAVEMENT DESIGN

Special Requirement #3: Flood Protection Facilities

Based upon review of Federal Emergency Management Agency (FEMA) flood maps dated May 16, 1995, provided by DEA, it appears that due north of the site the Cedar River Flood elevation ranges from 154 feet at the west end of the site to 164 feet on the east end. The low point of the site located near the northwest corner is approximately elevation 164 feet which roughly matches the road grade of Renton-Maple Valley SE. Based upon the elevations of the flood plain and the site, it appears that the natural grade of the site is above the flood plain and the site does not rely on the embankment on the south side of the Cedar River for flood protection.

Deceleration Lane Pavement Design

Based on information provided by DEA, AESI prepared a pavement design. The design is attached to this letter-report as Appendix C.

Stormtech SC-740 Chamber System

Specifications for the minimum thickness of stone foundations below the chambers and minimum cover depth and paving section over top of the chambers was requested. Truck and trailer traffic over the chambers is assumed in our recommendations.

AESI recommends a minimum thickness of 10 inches of stone foundation below the chambers, which is above the manufacturer recommendations of 9 inches. For cover depth over the top of the chambers, AESI recommends using the manufacturer's minimum. The upper cover over the crown of the chamber has a minimum depth of 24 inches with a minimum of 12 inches being pavement subgrade. For the structural pavement section, assuming truck and trailer traffic over the chambers, we recommend a minimum of 5 inches of Hot Mix Asphalt (HMA) over 6 inches of crushed surfacing base course (CSBC) and 2 inches of crushed surfacing top course (CSTC). A comparable with similar structural integrity would be suitable.

CLOSURE

AESI has prepared this letter-report for the exclusive use of our client and their agents, for specific application to this project. Within the limitations of scope and schedule, our services have been performed in accordance with generally accepted local geotechnical and

hydrogeological engineering practices in effect at the time our letter-report was prepared. No other warranty, express or implied, is made.

We appreciate the opportunity to be of service to you on this project. Should you have any questions regarding this letter-report or other geotechnical aspects of the site, please call at your earliest convenience.

Sincerely,
ASSOCIATED EARTH SCIENCES, INC.
Kirkland, Washington

Suzanne S. Cook, L.G. Senior Project Geologist



Matthew A. Miller, P.E. Principal Engineer



Curtis J. Koger, L.G., L.E.G., L.Hg. Senior Principal Geologist/Hydrogeologist

Attac	hm	ents	:

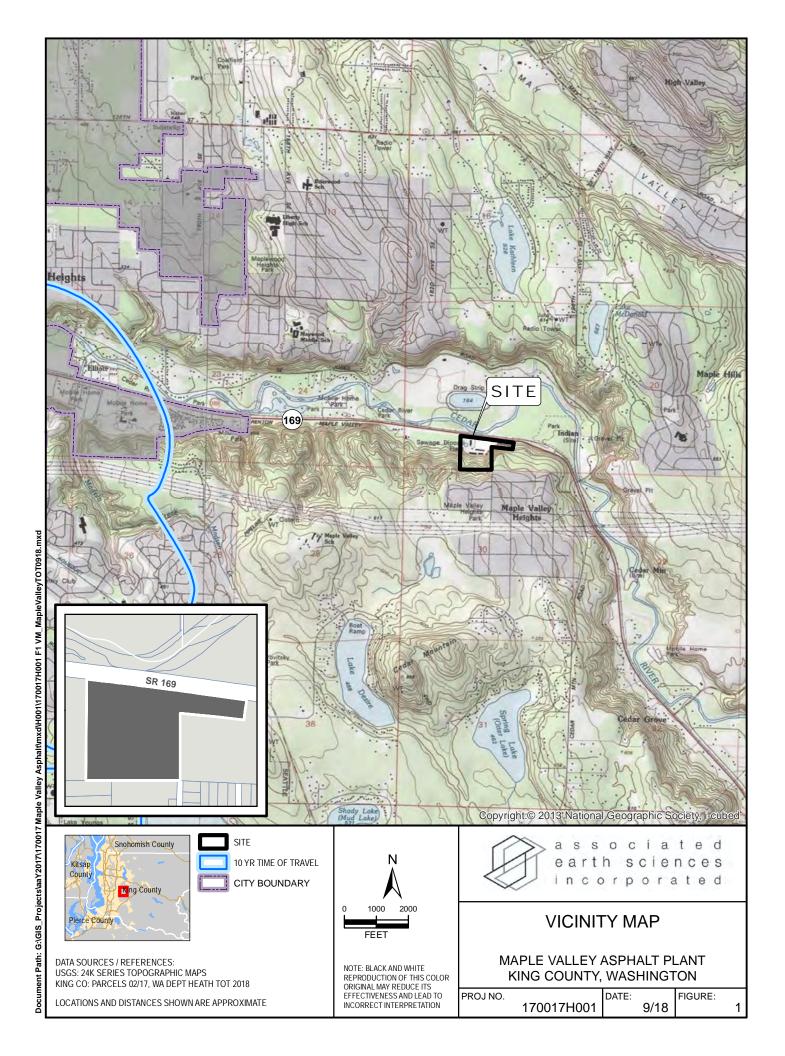
Figure 1.	Vicinity Map and City of Renton Wellhead Protection Area

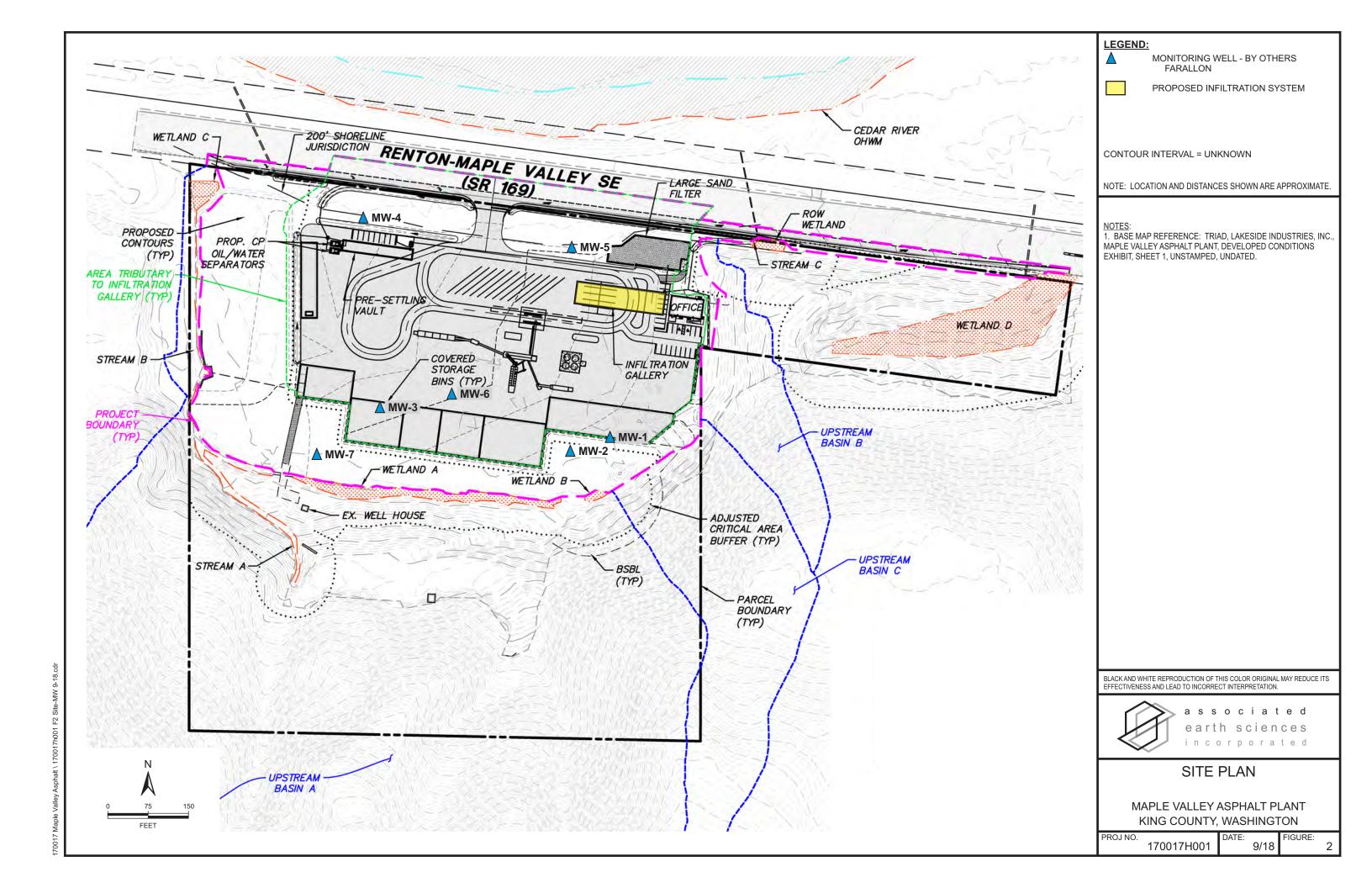
Figure 2.	Site Plan

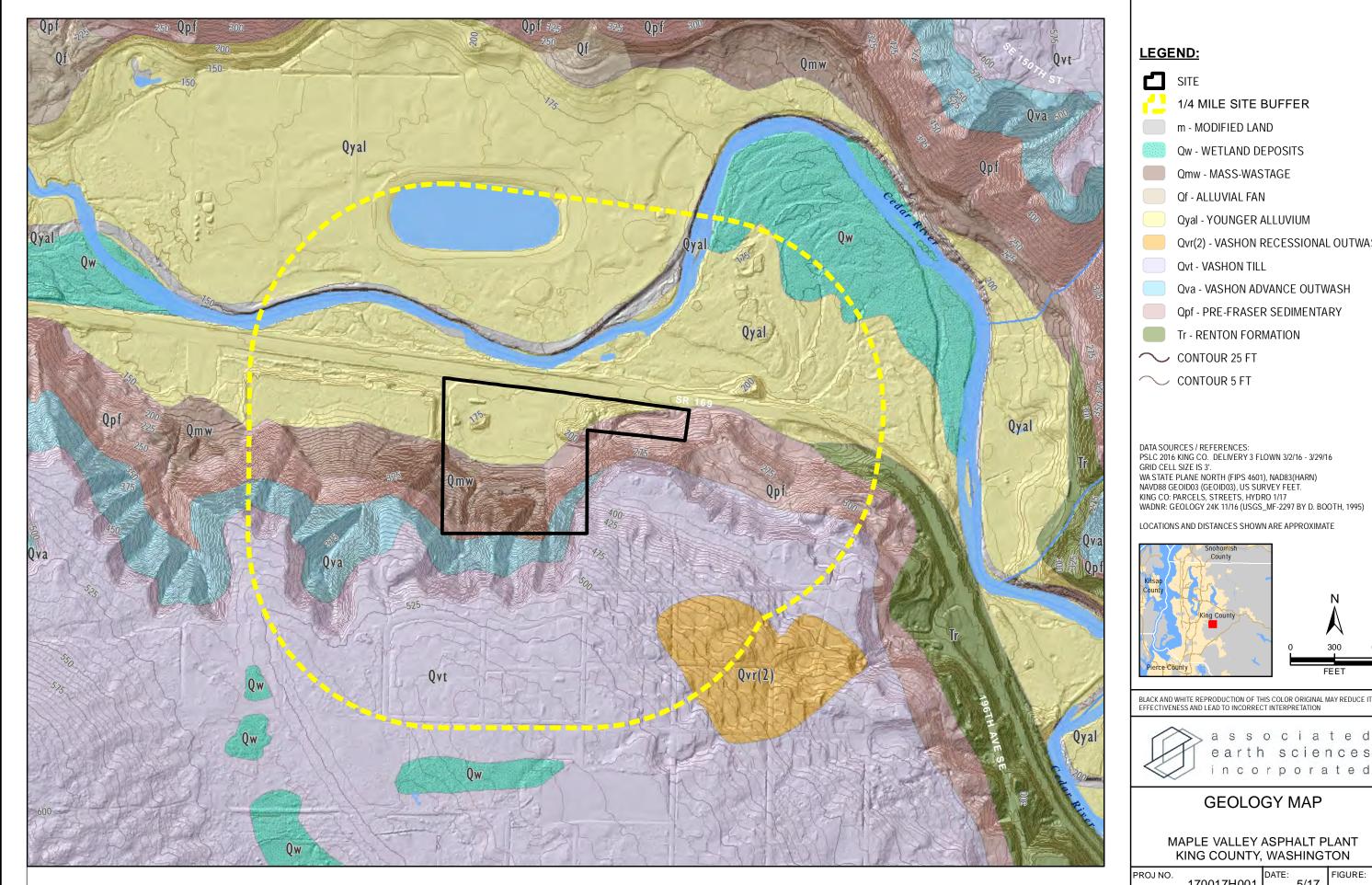
Appendix C. Deceleration Lane Pavement Design Memo

REFERENCES

- Associated Earth Sciences, Inc. (AESI), 2018, Subsurface exploration, infiltration testing, preliminary design infiltration rate, and groundwater mounding analysis, Maple Valley Asphalt Plant: Prepared for Lakeside Industries, Inc., September 19, 2018.
- Booth, D.B., 1995, Surficial geologic map of the Maple Valley Quadrangle, King County, Washington: United States Geological Survey, Miscellaneous Field Studies Map MF-2297, scale 1:24,000.
- King County Department of Natural Resources, 2016, Surface water design manual, King County, Washington (KCSWDM): April 24, 2016.
- Pacific Groundwater Group (PGG), 2014, King County Water District #90 2014 wellhead protection plan: Prepared for King County Water District #90, August 14, 2014.
- Renton, City of, 2012, Water system plan update: December 2012.
- Shuster, E.J. et al., Geologic map of the Tacoma 1:100,000-scale quadrangle, Washington: Washington Division of Geology and Earth Resources, Map Series 2015-03, scale 1:100,000.
- U.S. Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS), 2017, Soil survey, King County area, Washington: Web Soil Survey, Version 13, Sep 7, 2017, https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx, Accessed August 2018.







1/4 MILE SITE BUFFER

m - MODIFIED LAND

Qw - WETLAND DEPOSITS

Qmw - MASS-WASTAGE

Qf - ALLUVIAL FAN

Qyal - YOUNGER ALLUVIUM

Qvr(2) - VASHON RECESSIONAL OUTWASH

Qvt - VASHON TILL

Qva - VASHON ADVANCE OUTWASH

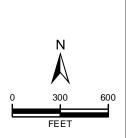
Qpf - PRE-FRASER SEDIMENTARY

Tr - RENTON FORMATION

CONTOUR 25 FT

LOCATIONS AND DISTANCES SHOWN ARE APPROXIMATE





BLACK AND WHITE REPRODUCTION OF THIS COLOR ORIGINAL MAY REDUCE ITS EFFECTIVENESS AND LEAD TO INCORRECT INTERPRETATION

ssociated earth sciences incorporated

GEOLOGY MAP

MAPLE VALLEY ASPHALT PLANT KING COUNTY, WASHINGTON

170017H001

5/17

LEGEND:

SITE



LANDSLIDE SCARP (KING CO)



STEEP SLOPE, LANDSLIDE, AND EROSION HAZARD AREAS



CONTOUR 25 FT

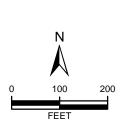


CONTOUR 5 FT

DATA SOURCES / REFERENCES:
PSLC: KING COUNTY 2016, GRID CELL SIZE IS 3'.
DELIVERY 3 FLOWN 3/2/16 - 3/29/16, CONTOURS FROM LIDAR
WA STATE PLANE NORTH (FIPS 4601), NAD83(HARN)
NAVD88 GEOID03 (GEOID03), US SURVEY FEET.
KING CO: STREETS, PARCELS 1/18, LANDSLIDE HAZARDS 9/17

LOCATIONS AND DISTANCES SHOWN ARE APPROXIMATE





BLACK AND WHITE REPRODUCTION OF THIS COLOR ORIGINAL MAY REDUCE ITS EFFECTIVENESS AND LEAD TO INCORRECT INTERPRETATION



STEEP SLOPE, LANDSLIDE AND **EROSION HAZARD AREAS**

MAPLE VALLEY ASPHALT PLANT KING COUNTY, WASHINGTON

170017H001

LEGEND:



PROPERTY BUFFER 1/4 MI



GROUP A



GROUP B

IRRIGATION



DOMESTIC (SINGLE FAMILY)



ASSIGNED TIME OF TRAVEL (DOH)



1 YEAR (PGG, 2014)



5 YEAR (PGG, 2014)



10 YEAR (PGG, 2014)



CEDAR VALLEY SOLE SOURCE AQUIFER (EPA)



CARA CATEGORY 1 (KING CO)

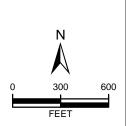


CARA CATEGORY 2 (KING CO)

NOTE: WELLS LABELED WITH PWSID FROM DEPT OF HEALTH OR WELL LOG ID FROM DEPT OF ECOLOGY

DATA SOURCES / REFERENCES:
PSLC: KING COUNTY 2016, GRID CELL SIZE IS 3'.
DELIVERY 3 FLOWN 3/2/16 - 3/29/16
WA STATE PLANE NORTH (FIPS 4601), NAD83(HARN)
NAVD88 GEOID03 (GEOID03), US SURVEY FEET. NAVD88 GEOID03 (GEOID03), US SURVEY FEET.
KING CO: STREETS, PARCELS 1/18, GWSOURCE 1/17
CARA_AREA 9/17, AERIAL: KINGCO, PICTOMETRY INT. 2015
DOH: WELLS 2/18, DOE: WELLS 7/18
EPA: SOLE SOURCE AQUIFER 2014, RXSSA
KC#90 TIME OF TRAVEL FROM PGG REPORT: KING CO WATER
DISTRICT #90, WELLHEAD PROTECTION PLAN, APPENDIX M, 8/14 LOCATIONS AND DISTANCES SHOWN ARE APPROXIMATE





BLACK AND WHITE REPRODUCTION OF THIS COLOR ORIGINAL MAY REDUCE ITS EFFECTIVENESS AND LEAD TO INCORRECT INTERPRETATION



WELL LOCATIONS WELLHEAD PROTECTION AREAS

MAPLE VALLEY ASPHALT PLANT KING COUNTY, WASHINGTON

170017H001

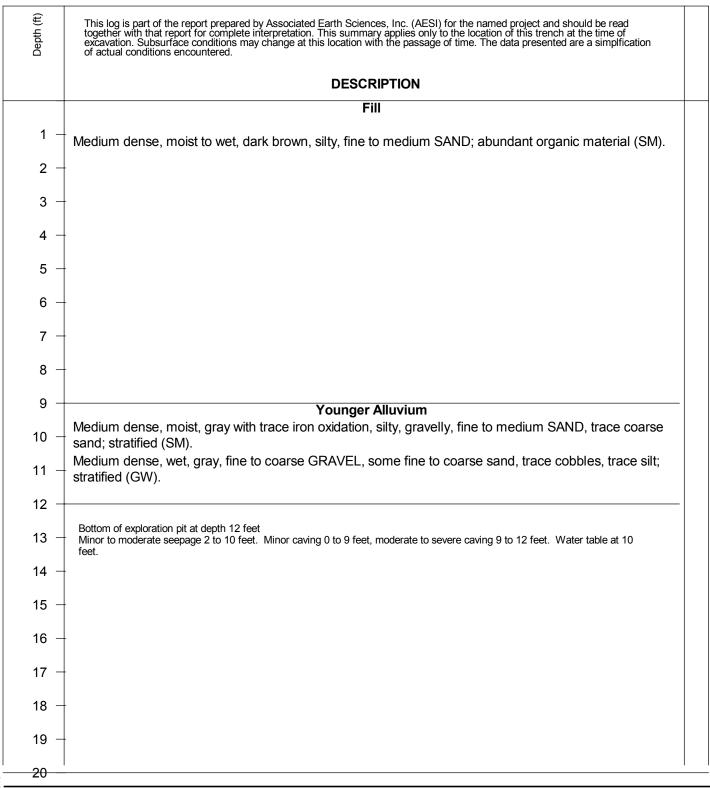
APPENDIX A

AESI Exploration Logs, Farallon Environmental Monitoring Well Logs and Groundwater Contour Map

	uo <u>i</u>		[000]		Well-graded gravel and	Terms Describing Relative Density and Consistency		
Coarse-Grained Soils - More than 50% ⁽¹⁾ Retained on No. 200 Sieve	e Fraction	Fines (5)		GW	gravel with sand, little to no fines	Density SPT ⁽²⁾ blows/foot		
	% ⁽¹⁾ of Coarse No. 4 Sieve	×5%		GP	Poorly-graded gravel and gravel with sand, little to no fines	Coarse-		
	More than $50\%^{(1)}$ Retained on No.	Fines (5)		GM	Silty gravel and silty gravel with sand			
	Gravels - M	R ≥12%		GC	Clayey gravel and clayey gravel with sand	Stiff 8 to 15 Very Stiff 15 to 30 Hard >30		
	of Coarse Fraction G	Fines (5)		sw	Well-graded sand and sand with gravel, little to no fines	Component Definitions		
		<5% F		SP	Poorly-graded sand and sand with gravel, little to no fines	Gravel 3" to No. 4 (4.75 mm) Coarse Gravel 3" to 3/4" Fine Gravel 3/4" to No. 4 (4.75 mm) Sand No. 4 (4.75 mm) to No. 200 (0.075 mm)		
	50% ⁽¹⁾ or More Passes No.			SM	Silty sand and silty sand with gravel	Coarse Sand No. 4 (4.75 mm) to No. 10 (2.00 mm) Medium Sand No. 10 (2.00 mm) to No. 40 (0.425 mm) Fine Sand No. 40 (0.425 mm) to No. 200 (0.075 mm) Silt and Clay Smaller than No. 200 (0.075 mm)		
	1 .				Clayey sand and	(3) Estimated Percentage Moisture Content		
	Sands		clayey sand with gravel	Component Percentage by Weight Dry - Absence of moisture, dusty, dry to the touch				
				Silt, sandy silt, gravelly silt,	Trace <5 Slightly Moist - Perceptible moisture			
eve	i i	20		ML	silt with sand or gravel	Moist - Damp but no visible		
200 S	and Clays	ess tha			Clay of low to medium	Modifier 12 to <30 water Very Moist - Water visible but not free draining		
Passes No. 200 Sieve	Silts and	Liquid Limit Less than 50		CL	plasticity; silty, sandy, or gravelly clay, lean clay	Very modifier 30 to <50 Wet - Visible free water, usually from below water table		
Pass	ν -	blub		01	Organic clay or silt of low	Symbols		
r More	-	를 === OL		OL	plasticity	Blows/6" or Sampler portion of 6" Type / / Cement grout surface seal		
Fine-Grained Soils - 50% (1) or More	s	Silts and Clays Liquid Limit 50 or More		МН	Elastic silt, clayey silt, silt with micaceous or diatomaceous fine sand or silt	2.0" OD Sampler Type Split-Spoon Sampler Sampler 3.0" OD Split-Spoon Sampler Seal Filter pack with		
	Silts and Clay			СН	Clay of high plasticity, sandy or gravelly clay, fat clay with sand or gravel	Bulk sample 3.0" OD Thin-Wall Tube Sampler (including Shelby tube) (including Shelby tube)		
	=		Ligui		ОН	Organic clay or silt of medium to high	Portion not recovered Percentage by dry weight Percentage by dry weight Percentage by dry weight Percentage by dry weight	
Highly Organic Soils			РТ	plasticity Peat, muck and other highly organic soils	(2) (SPT) Standard Penetration Test (ASTM D-1586) In General Accordance with Standard Practice for Description and Identification of Soils (ASTM D-2488) X ATD = At time of drilling X Static water level (date) 5 Combined USCS symbols used for fines between 5% and 12%			

Classifications of soils in this report are based on visual field and/or laboratory observations, which include density/consistency, moisture condition, grain size, and plasticity estimates and should not be construed to imply field or laboratory testing unless presented herein. Visual-manual and/or laboratory classification methods of ASTM D-2487 and D-2488 were used as an identification guide for the Unified Soil Classification System.



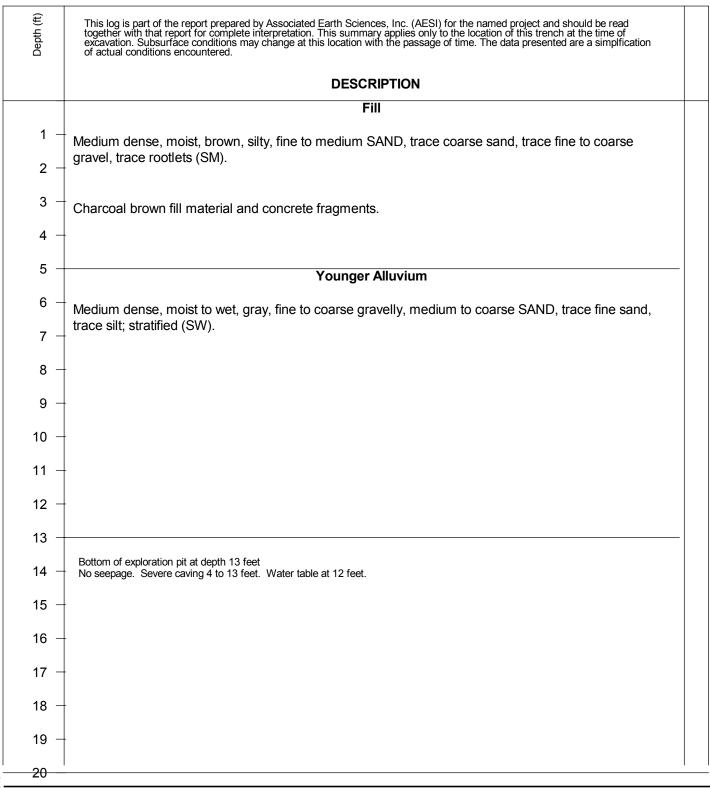


Maple Valley Asphalt Renton, WA

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Approved by: CJK



Project No. 170017H001

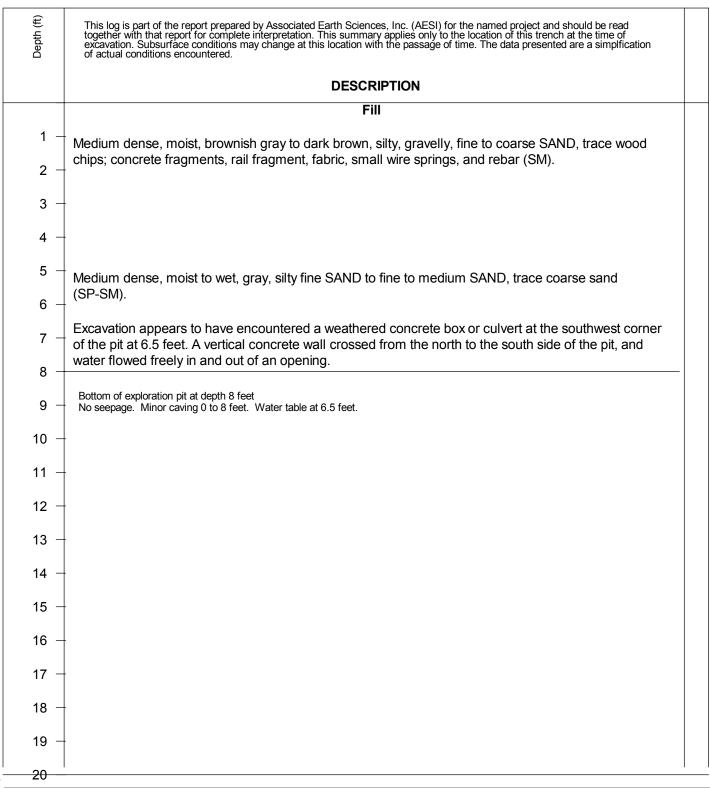


Maple Valley Asphalt Renton, WA

Logged by: KB
Approved by: CJK



Project No. 170017H001

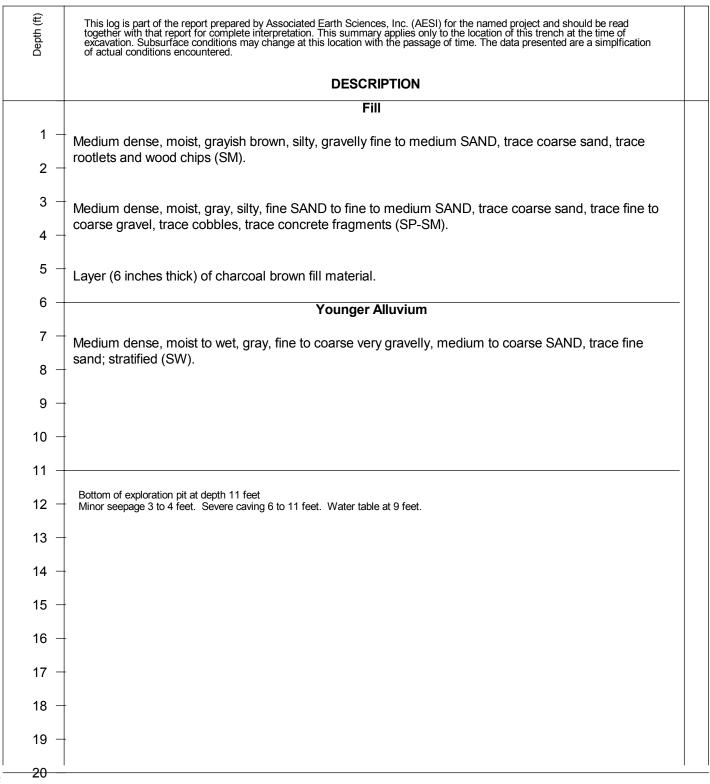


Maple Valley Asphalt Renton, WA

Logged by: KB Approved by: CJK



Project No. 170017H001

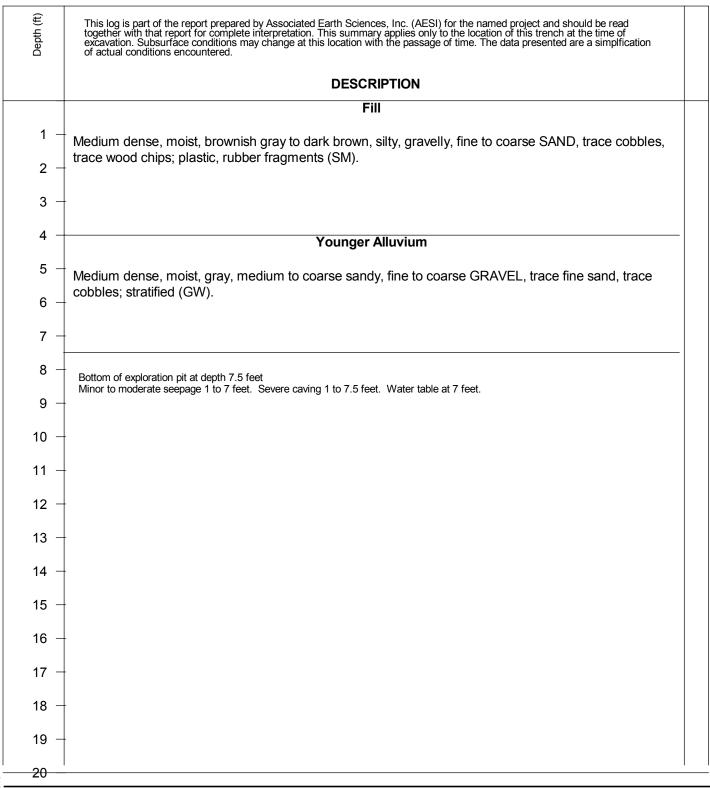


Maple Valley Asphalt Renton, WA

Logged by: KB Approved by: CJK



Project No. 170017H001

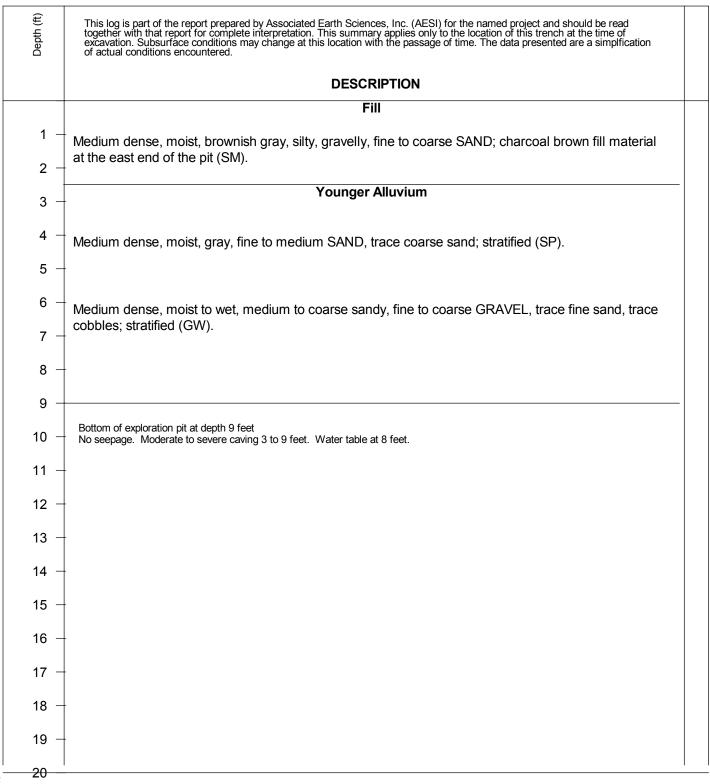


Maple Valley Asphalt Renton, WA

Logged by: KB
Approved by: CJK



Project No. 170017H001

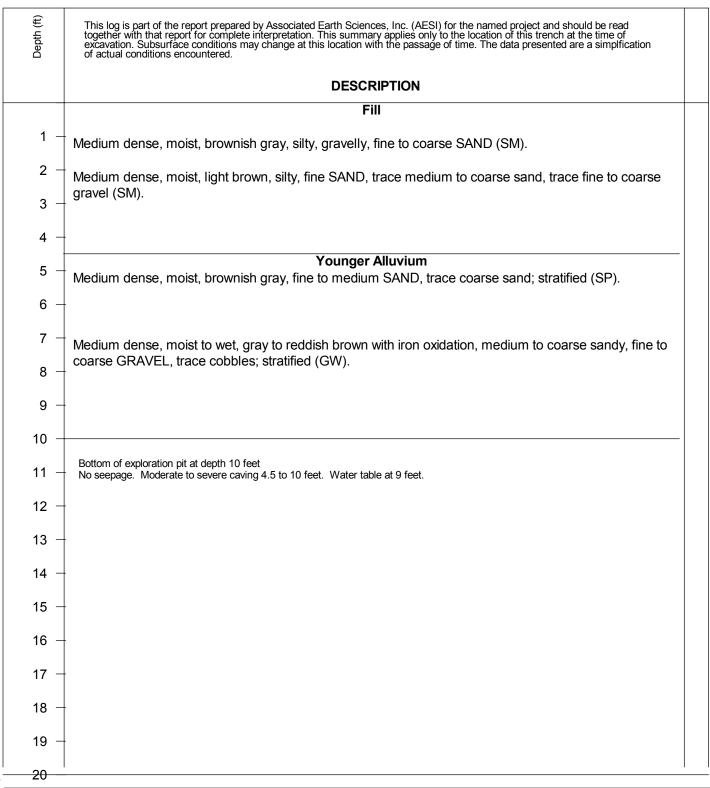


Maple Valley Asphalt Renton, WA

Logged by: KB Approved by: CJK



Project No. 170017H001

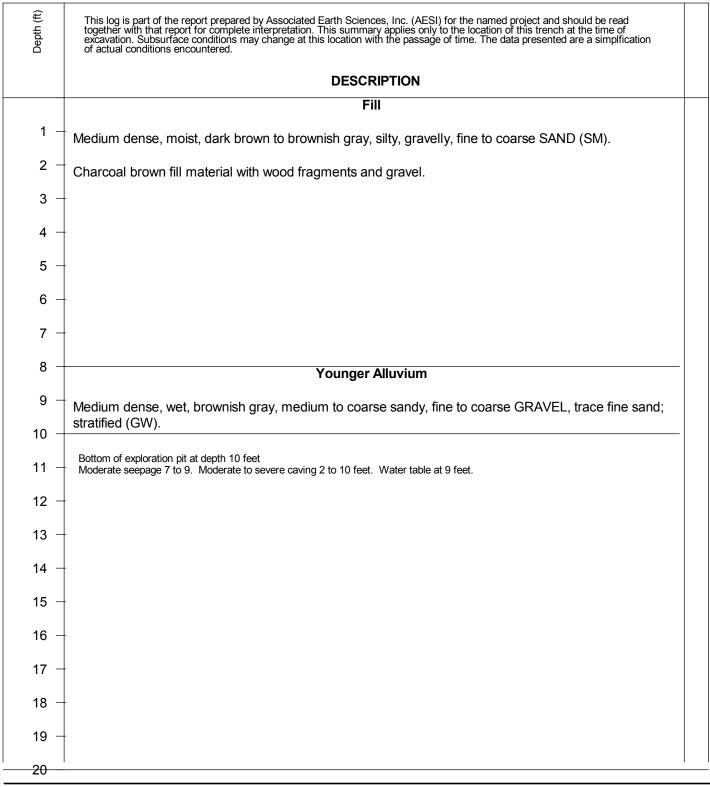


Maple Valley Asphalt Renton, WA

Logged by: KB Approved by: CJK



Project No. 170017H001

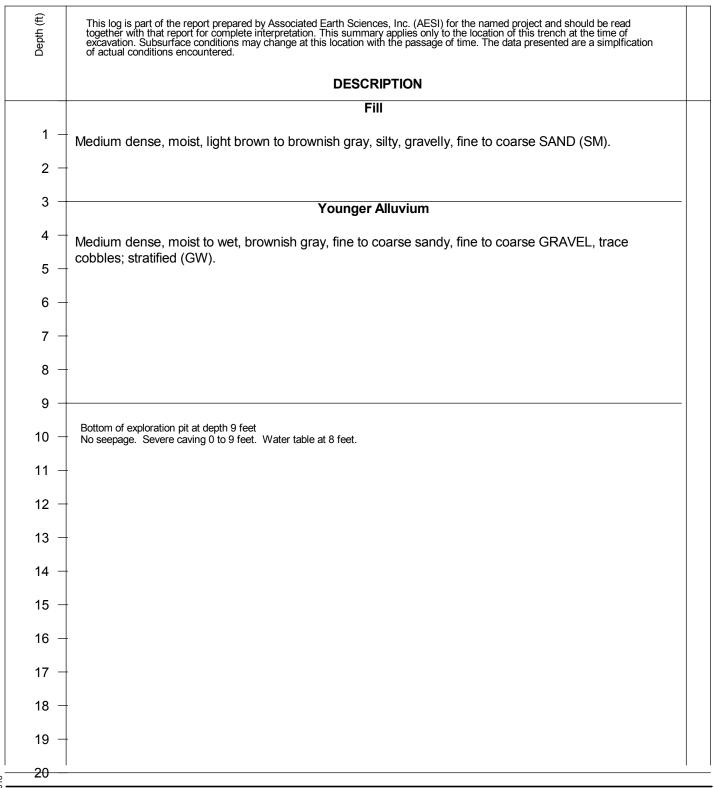


Maple Valley Asphalt Renton, WA

Logged by: KB
Approved by: CJK



Project No. 170017H001

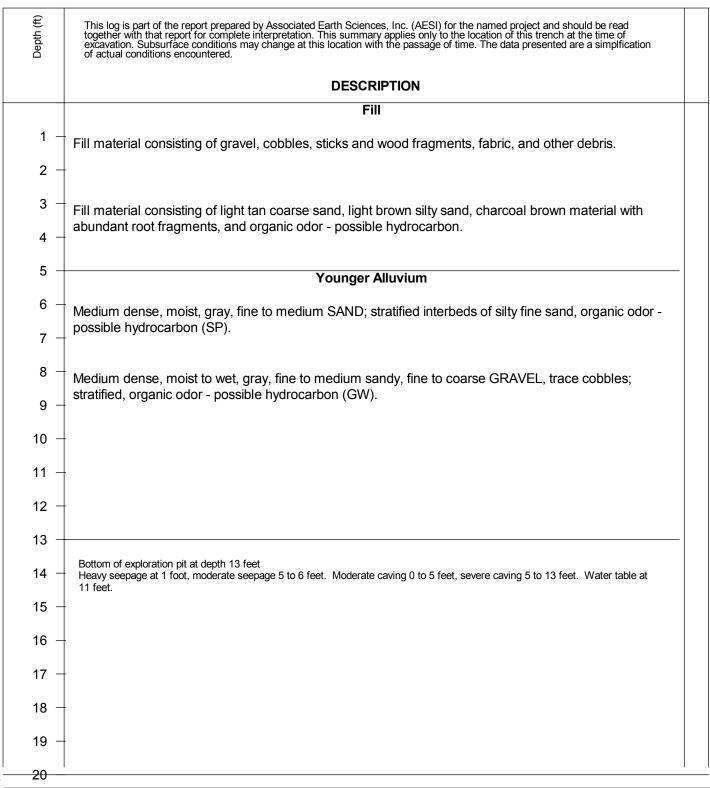


Maple Valley Asphalt Renton, WA

Logged by: KB
Approved by: CJK



Project No. 170017H001

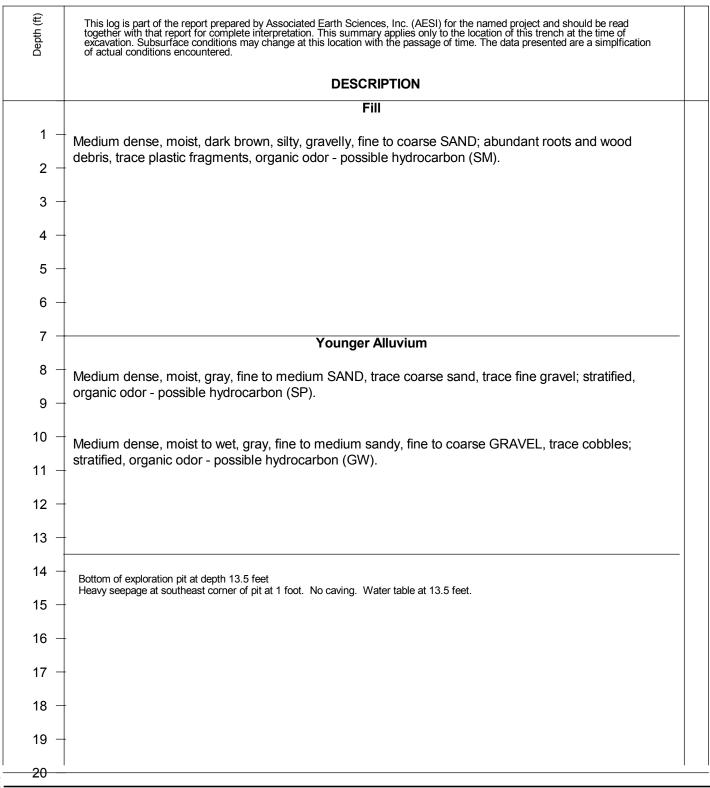


Maple Valley Asphalt Renton, WA

Logged by: KB
Approved by: CJK



Project No. 170017H001

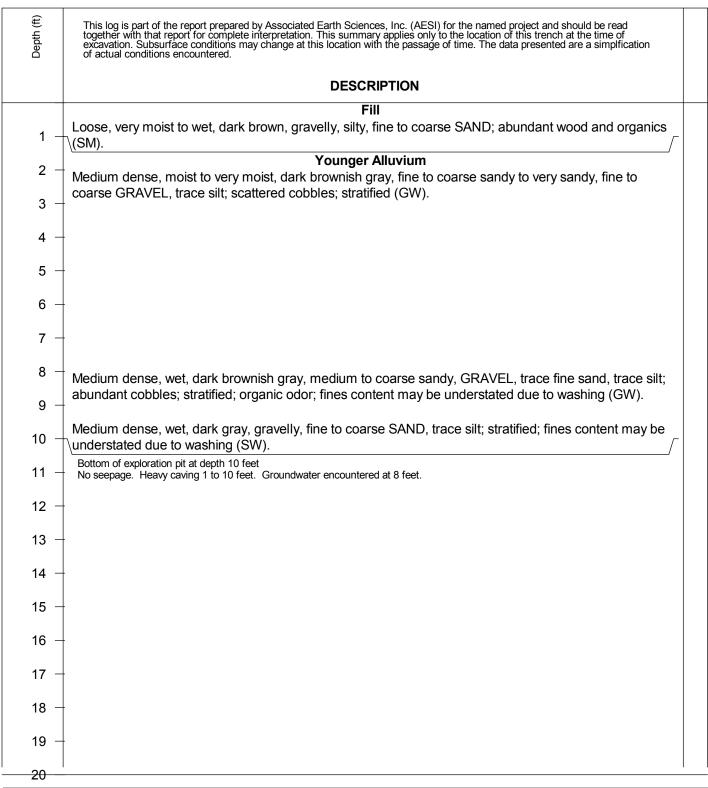


Maple Valley Asphalt Renton, WA

Logged by: KB
Approved by: CJK



Project No. 170017H001



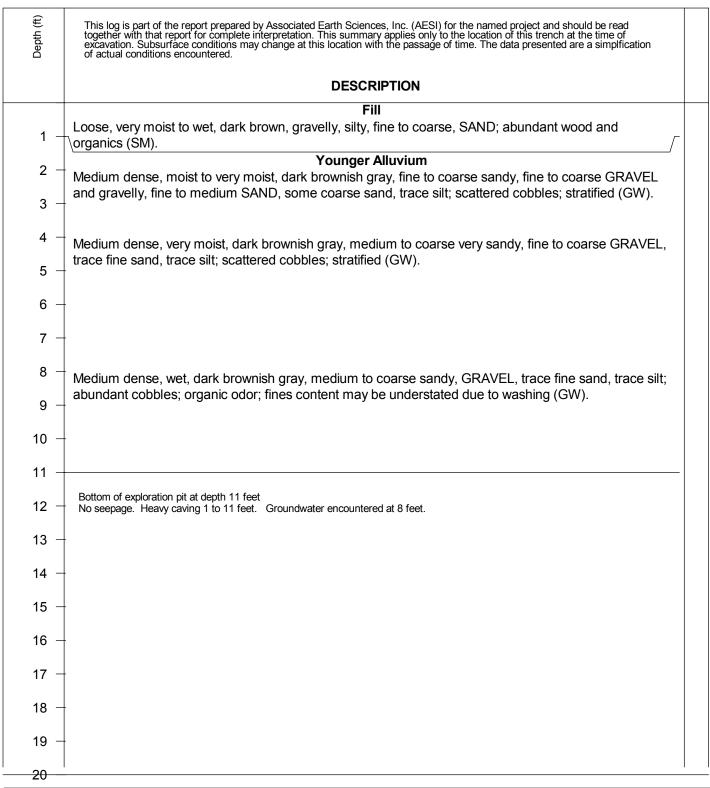
Maple Valley Asphalt Maple Valley, WA

Logged by: MJP
Approved by: CJK



Project No. 170017H001

4/24/18



Maple Valley Asphalt Maple Valley, WA

Logged by: MJP
Approved by: CJK



Project No. 170017H001

4/24/18



Log of Boring: MW-1

Page 1 of 1

Client: Lakeside Industries
Project: Goodnight Property
Location: Renton, Washington

Farallon PN: 525-022

Logged By: Ken Scott

Date/Time Started:
Date/Time Completed:

Equipment:
Drilling Company:
Drilling Foreman:

Drilling Method:

4/25/16 @ 0930 4/25/16 @ 1030

Terra Sonic Holt Drilling

Pete Rosenberg

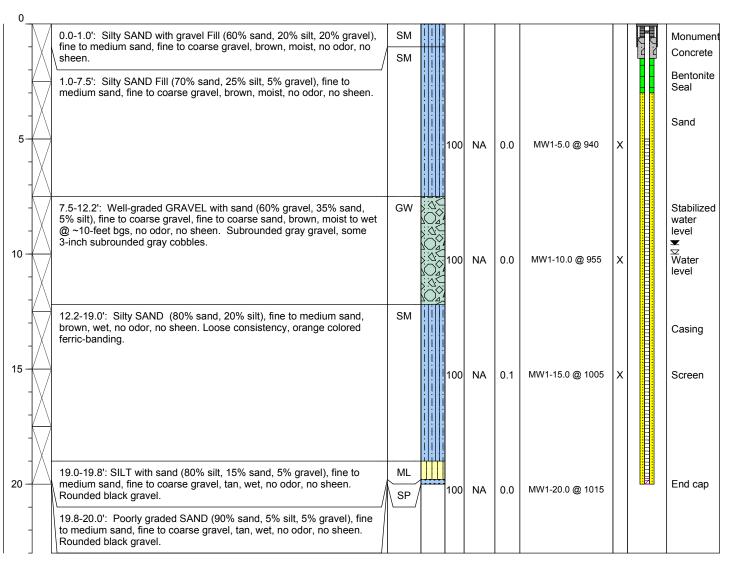
Sonic

Sampler Type: 2.5' Poly-sacs

Drive Hammer (lbs.): Autohammer
Depth of Water ATD (ft bgs): ~10.0'
Total Boring Depth (ft bgs): 20.0'

IIC

Total Well Depth (ft bgs): 20.0'



Monument Type: Flush Mount
Casing Diameter (inches): 2
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 5 to 20'

Well Construction Information
Filter Pack: 10/20 sand
Surface Seal: Cement

Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X:1329373.32 E
Y: 170563.21 N



Log of Boring: MW-2

(mdd)

Page 1 of 1

Lakeside Industries Client: **Project:** Goodnight Property Location: Renton, Washington

Farallon PN: 525-022

Logged By: Ken Scott

Date/Time Started: 4/25/16 @ 1135 Date/Time Completed:

Equipment: **Drilling Company:**

Drilling Foreman: Drilling Method:

4/25/16 @ 1245 Terra Sonic

Holt Drilling

Pete Rosenberg

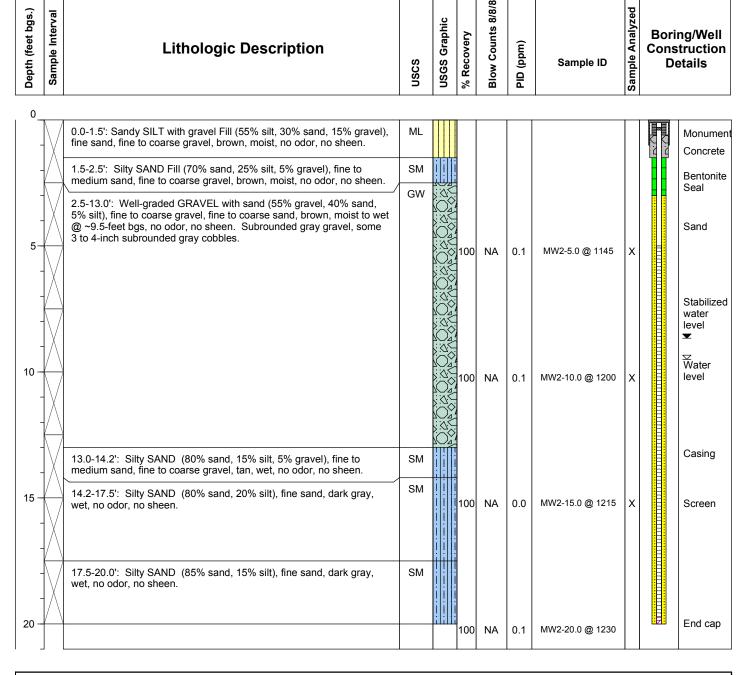
Sonic

Sampler Type: 2.5' Poly-sacs

Sample ID

Drive Hammer (lbs.): Autohammer Depth of Water ATD (ft bgs): ~9.5' Total Boring Depth (ft bgs): 20.0' Total Well Depth (ft bgs): 20.0'

Sample Analyzed Boring/Well Construction **Details**



Monument Type: Flush Mount Casing Diameter (inches): 0.010 Screen Slot Size (inches): Screened Interval (ft bgs): 5 to 20'

Well Construction Information Filter Pack: 10/20 sand

Surface Seal: Cement Annular Seal: **Bentonite Boring Abandonment:**

Ground Surface Elevation (ft): Top of Casing Elevation (ft): NA Surveyed Location: X: 1329301.96 E

Y: 170535.83 N



Log of Boring: MW-3

Page 1 of 1

Lakeside Industries Client: **Project:** Goodnight Property Location: Renton, Washington

Farallon PN: 525-022

Logged By: Ken Scott

Date/Time Started: Date/Time Completed:

Equipment: **Drilling Company:**

Drilling Foreman: Drilling Method:

4/25/16 @ 1340

4/25/16 @ 1445 Terra Sonic

Holt Drilling Pete Rosenberg

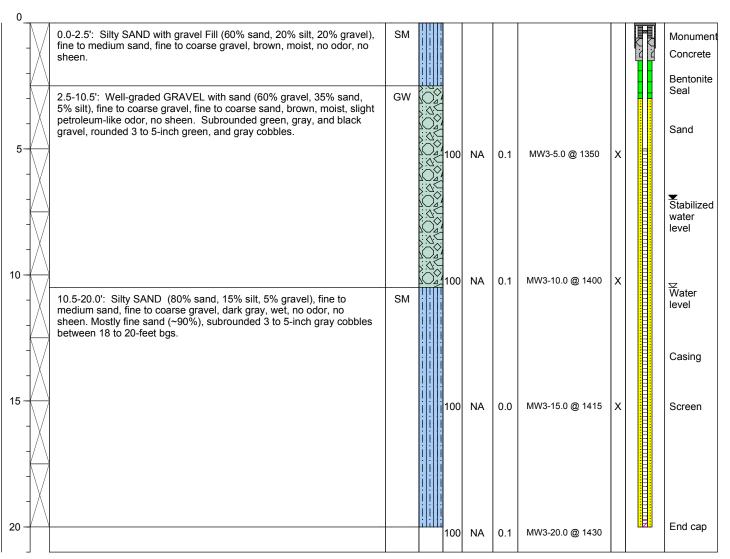
Sonic

Sampler Type: 2.5' Poly-sacs

Drive Hammer (lbs.): Autohammer Depth of Water ATD (ft bgs): ~10.5' Total Boring Depth (ft bgs): 20.0' Total Well Depth (ft bgs):

20.0'

Sample Interval Tithology	egic Description	SGS Grap	≝	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
----------------------------	------------------	----------	---	-----------	-----------	-----------------	--



Monument Type: Flush Mount Casing Diameter (inches): 0.010 Screen Slot Size (inches): Screened Interval (ft bgs): 5 to 20'

Well Construction Information Filter Pack: 10/20 sand

Surface Seal: Cement **Annular Seal:** Bentonite **Boring Abandonment:**

Ground Surface Elevation (ft): Top of Casing Elevation (ft): NA Surveyed Location: X: 1328945.56 E Y: 170614.99 N



Log of Boring: MW-4

Page 1 of 1

Lakeside Industries Client: **Project:** Goodnight Property Location: Renton, Washington

Farallon PN: 525-022

Logged By: Ken Scott

Date/Time Started: Date/Time Completed:

Equipment: **Drilling Company: Drilling Foreman:**

Drilling Method:

4/25/16 @ 1515

4/25/16 @ 1615 Terra Sonic

Holt Drilling Pete Rosenberg

Counts 8/8/8

(mdd)

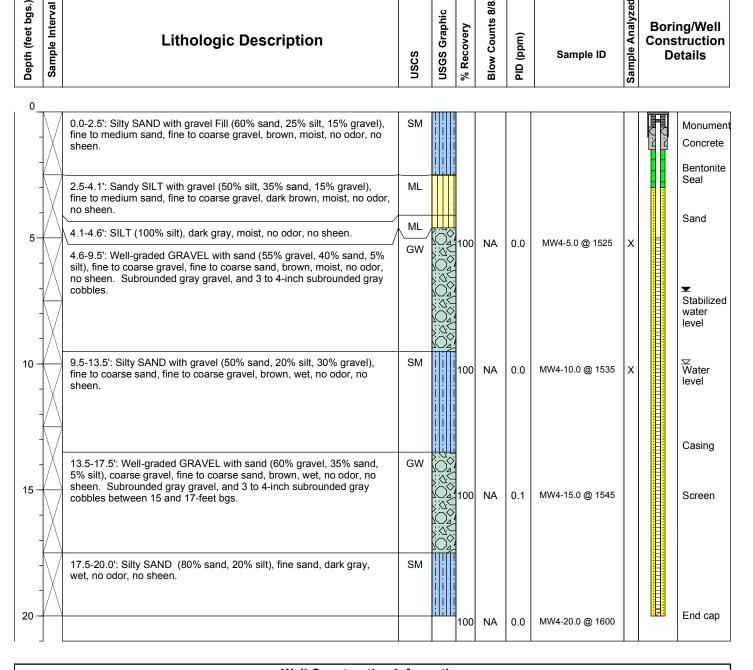
Sampler Type: 2.5' Poly-sacs

Sample ID

Drive Hammer (lbs.): Autohammer Depth of Water ATD (ft bgs): ~9.5' Total Boring Depth (ft bgs): 20.0' Total Well Depth (ft bgs): 20.0'

Sonic

Boring/Well Construction **Details**



Monument Type: Flush Mount Casing Diameter (inches): 0.010 Screen Slot Size (inches): Screened Interval (ft bgs): 5 to 20'

Well Construction Information Filter Pack: 10/20 sand

Surface Seal: Cement Annular Seal: **Bentonite Boring Abandonment:**

Ground Surface Elevation (ft): Top of Casing Elevation (ft): NA Surveyed Location: X: 1328916.58 E Y: 170968.26 N



Log of Boring: MW-5

Blow Counts 8/8/8

(mdd)

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Page 1 of 1

Lakeside Industries Client: **Project:** Goodnight Property Location: Renton, Washington

Farallon PN: 525-022

Logged By: Ken Scott

Depth (feet bgs.) Sample Interval Date/Time Started: Date/Time Completed:

Equipment: **Drilling Company: Drilling Foreman:**

Pete Rosenberg

Drilling Method: Sonic Sampler Type: 2.5' Poly-sacs

Drive Hammer (lbs.): Autohammer Depth of Water ATD (ft bgs): ~9.0' Total Boring Depth (ft bgs): 20.0' Total Well Depth (ft bgs): 20.0'

Sample Analyzed

Sample ID

USGS Graphic

4/26/16 @ 830

4/26/16 @ 930

Terra Sonic

Holt Drilling

Boring/Well Construction **Details**

								S		
0_										
	\mathbb{N}	0.0-3.6': Silty SAND with gravel Fill (60% sand, 25% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no	SM							Monument
-	1 X I	sheen. Subrounded gray gravel.							2 2	Concrete
-									Ш	Bentonite
-	1\/									Seal
-		3.6-11.5': Well-graded GRAVEL with sand (55% gravel, 40% sand,	GW							Sand
5-		5% silt), fine to coarse gravel, fine to coarse sand, brown, moist to wet @ ~9.0-feet bgs, no odor, no sheen. Subrounded gray gravel.		100	NA	0.2	MW5-5.0 @ 840	$ _{x} $		
_	\/				INA	0.2	MINTO 0.0 @ 010			
_	$] \wedge [$									
	(-)									Stabilized water
-	V									level
-	A									₩ Water level
10 -	()			100	NA	0.2	MW5-10.0 @ 850	x		levei
-	$ \vee $									
-		11.5-14.5': Well-graded GRAVEL (90% gravel, 5% sand, 5% silt), fine	GW							
-		to coarse gravel, fine to coarse sand, tan, wet, no odor, no sheen. Subrounded gray gravel, and 3 to 5-inch subrounded gray cobbles.								Casing
_	X									Casing
15 -	$/ \cdot $	14.5-15.5': Well-graded GRAVEL with sand (60% gravel, 35% sand,	GW							
15 -	\mathbb{N}	5% silt), fine to coarse gravel, fine to coarse sand, brown, wet, no odor, no sheen. Subrounded gray gravel, and subrounded 3 to 4-inch		100	NA	0.2	MW5-15.0 @ 905			Screen
-	1 X I	gray cobbles.	SM							
-		15.5-20.0': Silty SAND (75% sand, 25% silt), fine to medium sand,								
-	1\/	brown, wet, no odor, no sheen. Loose consistency.								
-	X									
20 -	/ \			100	NA	0.1	MW5-20.0 @ 920			End cap
-				100	INA	0.1	0 20.0 @ 020			

Monument Type: Flush Mount Casing Diameter (inches): Screen Slot Size (inches): 0.010 Screened Interval (ft bgs): 5 to 20'

Well Construction Information Filter Pack: 10/20 sand

Surface Seal: Cement Annular Seal: Bentonite **Boring Abandonment:**

Ground Surface Elevation (ft): NA NA Top of Casing Elevation (ft): Surveyed Location: X:1329303.03 E

Y: 170916.06 N



Log of Boring: MW-6

(mdd)

Page 1 of 1

Lakeside Industries Client: **Project:** Goodnight Property Location: Renton, Washington

Farallon PN: 525-022

Logged By: Ken Scott

Date/Time Started: Date/Time Completed:

Equipment: **Drilling Company: Drilling Foreman:**

Pete Rosenberg **Drilling Method:** Sonic

Drive Hammer (lbs.): Autohammer Depth of Water ATD (ft bgs):

Sample ID

Sampler Type: 2.5' Poly-sacs

~10.0' Total Boring Depth (ft bgs): 20.0' Total Well Depth (ft bgs): 20.0'

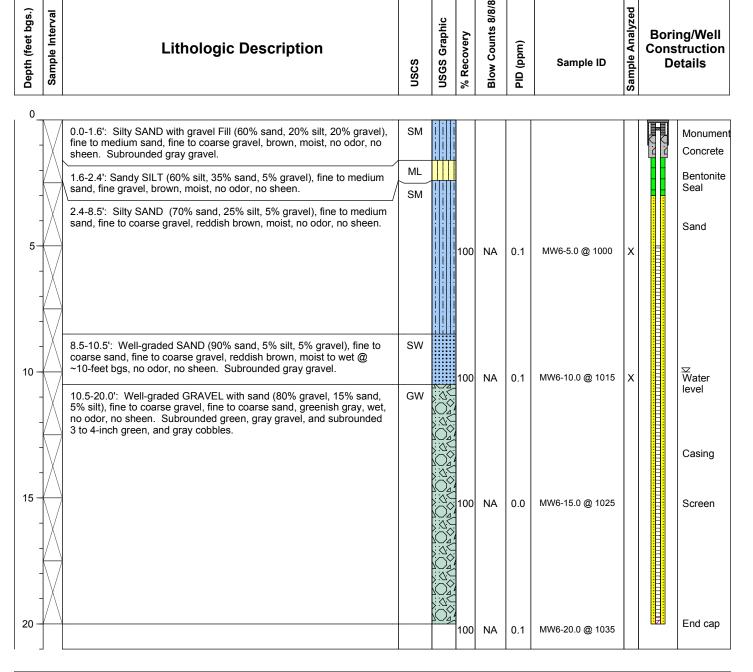
4/26/16 @ 950

4/26/16 @ 1050

Terra Sonic

Holt Drilling

Boring/Well Construction **Details**



Monument Type: Flush Mount Casing Diameter (inches): 0.010 Screen Slot Size (inches): Screened Interval (ft bgs): 5 to 20'

Well Construction Information Filter Pack: 10/20 sand

Surface Seal: Cement Annular Seal: **Bentonite Boring Abandonment:**

Ground Surface Elevation (ft): NΑ Top of Casing Elevation (ft): NA Surveyed Location: X: 1329078.79 E Y: 170643.93 N



Log of Boring: MW-7

Page 1 of 1

Lakeside Industries Client: **Project:** Goodnight Property Location: Renton, Washington

Farallon PN: 525-022

Logged By: Ken Scott

Depth (feet bgs.) Sample Interval Date/Time Started: Date/Time Completed:

Equipment: **Drilling Company: Drilling Foreman:**

Drilling Method:

4/26/16 @ 1135 4/26/16 @ 1315

Sampler Type: 2.5' Poly-sacs

Drive Hammer (lbs.): Autohammer Depth of Water ATD (ft bgs): ~2.0' Total Boring Depth (ft bgs): 20.0'

Sonic

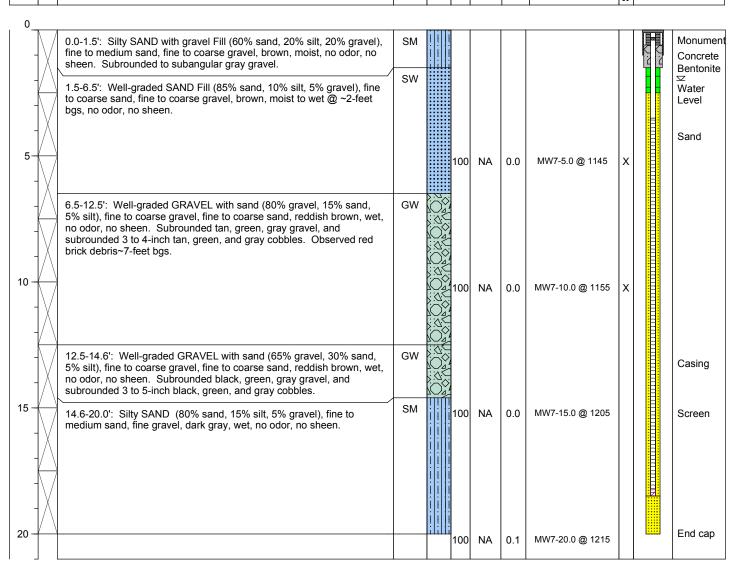
Terra Sonic

Holt Drilling

Pete Rosenberg

Total Well Depth (ft bgs): 18.5'

Blow Counts 8/8/8 Sample Analyzed **USGS Graphic** Boring/Well Recovery (mdd) **Lithologic Description** Construction Sample ID **Details** 吕

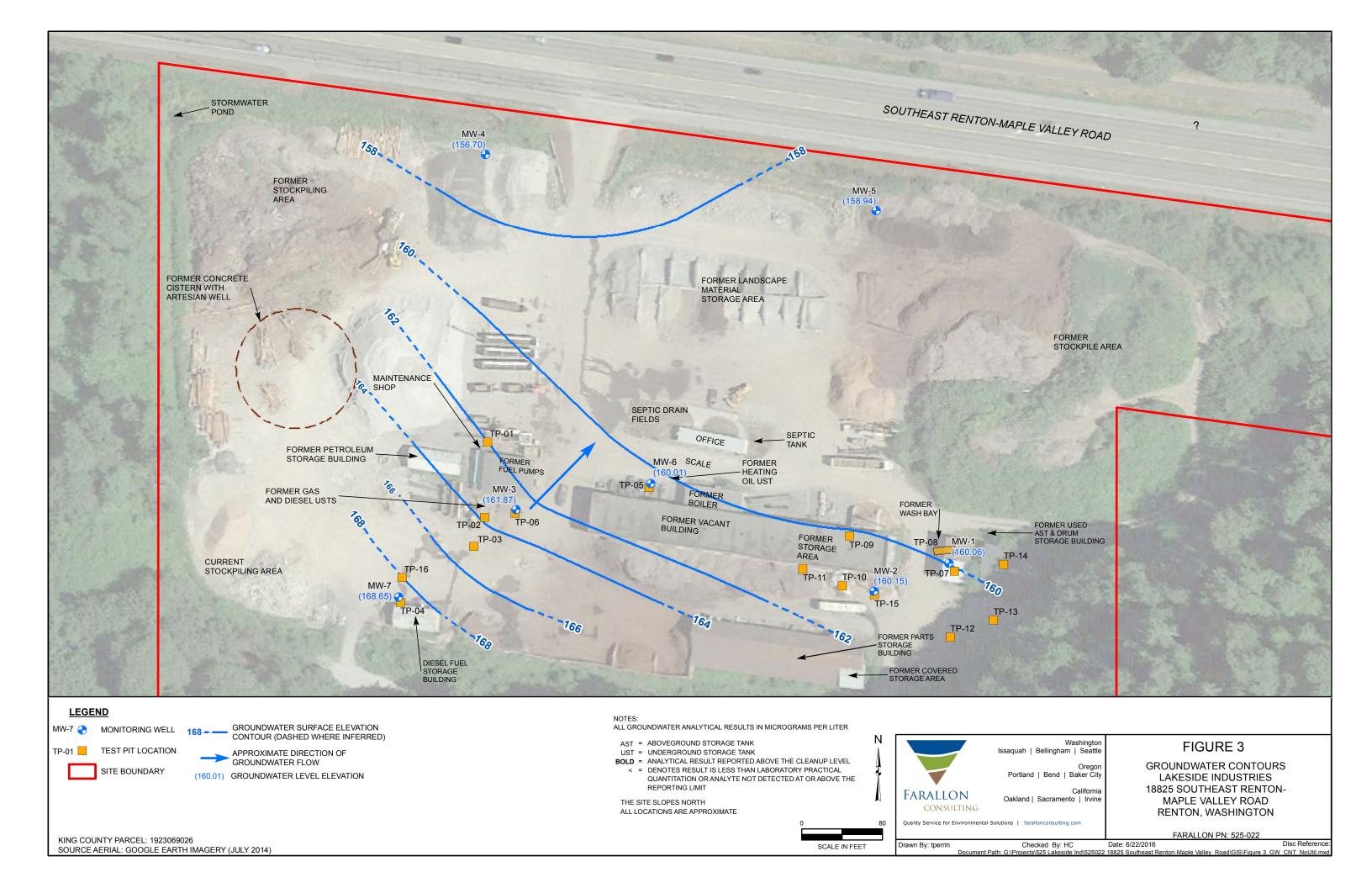


Monument Type: Flush Mount Casing Diameter (inches): 0.010 Screen Slot Size (inches): Screened Interval (ft bgs): 2.5 to 18.5'

Well Construction Information Filter Pack: 10/20 sand

Surface Seal: Cement Annular Seal: **Bentonite Boring Abandonment:**

Ground Surface Elevation (ft): NΑ Top of Casing Elevation (ft): NA Surveyed Location: X: 1328829.46 E Y: 170532.13 N



APPENDIX B

Water System Records and Ecology Well Logs

5/7/2017 General Information



Division of Environmental Health Office of Drinking Water

Help

Individual System View - king county water district no 90 - Water System Id - 41150

Compliance Ac	tions	Operating	Permits	Operators	Reports	Water Use Efficiency
General Informa	ation	Source Info	ormation	Samples	Exceedances	Water Quality Monitoring Schedule
Group	Α		Status	Active	Ownership Type	Special District
Туре	Commi	unity	Residential Population	19,100	Jurisdiction	WA DOH ODW
County	KING		NonResiden Population	tial 500	System Effective Date	1/1/1970
Owner Name		COUNTY R DISTRICT	Total Calcula Connections	/ 814	System Inactive Date	
Primary Contact	Darcey	Peterson	Total Approx Connections		SMA Name	
Primary Contact Phone	(425) 2	55-9600	Distribution Capacity (ga	7,446,000	SMA Number	
Water System Mailing Address						

Home Page | Find Water Systems | Find Water Quality | Downloads/Reports

<u>DOH Home | Community and Environment | Drinking Water Home | Drinking Water Contacts</u> Access Local Health | Privacy Notice | Disclaimer/Copyright Information

Links to external resources are provided as a public service and do not imply endorsement by the Washington State Department of Health

Department of Health, Office of Drinking Water

Street Address: Mail:

243 Israel Road S.E. 2nd floor PO BOX 47822

Tumwater, WA 98501 Olympia, WA 98504-7822

Phone: (360) 236-4357 Toll Free: (800) 521-0323

Send inquiries about DOH and its programs to the Health Consumer Assistance Office Comments or questions regarding this Web site? Send email to Environmental Health Application Support or call 888-457-2467.



Division of Environmental Health Office of Drinking Water

Help

Individual System View - king county water district no 90 - Water System Id - 41150

Complia	ance Actions	Operating Perr	nits		Operators	7 [Repo	rts	7 [Water Use Efficiency
General	Information	Source Informa	ition		Samples		Exceeda	inces	Wa	ater Quality Monitoring Schedule
Source 01 -	77050Y/Seattle									
Source Status	Active	Usage	Permaner	nt	WRIA		edar- immamish	Intertie Supplyir System	ng	SEATTLE PUBLIC UTILITIES
Туре	Intertie	Capacity (gpm)	2,800		Township	00		Intertie Supplyii Number		<u>77050</u>
Effective Date	1/1/1970	Treated	No		Range	001	E			
Inactive Date		Metered	Undefined	i	Section					
DOE Well Tag Number		Well Depth (ft)			Qtr/Qtr Section					
Source 03 -	Well 2 APP301									
Source Status	Active	Usage	Perma	inent	WRIA		Cedar- Sammamish	Interti Suppl Syste	ying	NA
Туре	Groundwater Well	Capacity (gpm)	250		Township		23	Interti Suppl Numb	ying	NA
Effective Date	4/30/2008	Treated	Yes		Range		05E			
Inactive Date		Metered	Yes		Section		24			
DOE Well Tag Number	APP301	Well Dept (ft)	h 220		Qtr/Qtr Section		NESE			
Source 02 -	Wojewodski Well 1									
Source Status	Active	Usage	Perma	inent	WRIA		Cedar- Sammamish	Interti Suppl Syste	ying	NA
Туре	Groundwater Well	Capacity (gpm)	250		Township		23	Interti Suppl Numb	ying	NA
Effective Date	1/7/2003	Treated	Yes		Range		05E			
Inactive Date		Metered	Yes		Section		24			
DOE Well Tag Number		Well Dept (ft)	h 199		Qtr/Qtr Section		NESE			

Records 1 - 3 of 5

Display as table with source treatment information

5/7/2017 Source Information

Home Page | Find Water Systems | Find Water Quality | Downloads/Reports

<u>DOH Home | Community and Environment | Drinking Water Home | Drinking Water Contacts Access Local Health | Privacy Notice | Disclaimer/Copyright Information</u>

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Send inquiries about DOH and its programs to the <u>Health Consumer Assistance Office</u> Comments or questions regarding this Web site? Send email to <u>Environmental Health Application Support</u> or call 888-457-2467.



WATER FACILITIES INVENTORY (WFI) FORM

Quarter: 1

Updated: 12/13/2016 Printed: 5/8/2017

WFI Printed For: On-Demand Submission Reason: Contact Update

RETURN TO: Central Services - WFI, PO Box 47822, Olympia, WA, 98504-7822

ONE FORM PER SYSTEM

1. §	SYSTEM ID NO.	2. SYSTEM NAME											3. C	OL	JNT	Υ								4. GR	OUP	5.	TYPE	
	41150 L	KING COUNTY WATE	R DISTRICT	NO 9	90								KINC	G										А		С	omm	
6. P	RIMARY CONTAC	T NAME & MAILING A	DRESS								7.	. ov	VNE	R N	NAN	1E 8	& MA	۹IL	ING	A A	DDR	ESS		8. OWN	ER NUME	BER:	0030	12
	15606 SI	/ J. PETERSON [GENE E 128TH ST I, WA 98059	RAL MANA	GER]								JOS 156	G CG SHU/ 06 S	A A SE 1	. DE	ERA TH S	ITU ST		DIS	T. N	IO 9	0		OPERAT	IONS MO	SR		
STR	EET ADDRESS IF	DIFFERENT FROM AB	OVE								Sī	TRE	ET /	AD	DRE	SS	IF C	OIF	FEI	REN	IT F	RON	I ABO	VE				
ATT ADD CITY	RESS	STATE ZIP									Αſ	TTN DDF ITY	RESS	S				Ş	STA	ΛΤΕ			ZIP					
9. 2	4 HOUR PRIMARY	CONTACT INFORMAT	ION								10). O	WNE	ER	CO	NTA	СТ	INF	OF	RM.	TIC	N						
Prim	ary Contact Daytime	e Phone: (425) 255-	9600								O١	wne	r Da	ytir	ne F	Pho	ne:			(42	5) 2	55-9	600					
Prim	ary Contact Mobile/	Cell Phone: (425) 444-	7731								O١	wne	r Mo	bile	e/Ce	ell P	hone	e:		(42	5) 7	66-7	918					
Prim	ary Contact Evening	g Phone: (xxx)-xxx-	кххх								O	wne	r Ev	eni	ng F	ho	ne:			(xx	()-x	xx-xx	xx					
Fax:	(425) 277-4128	E-mail: xxxxxxxxxxxx	xxxxxxxx								Fa	ax: ((425) 27	77-4	128	3 E	-m	ail:	xx	(XX)	xxxx	xxxxx	xxxxx				
		WAC 246-290-42	0(9) require	s tha	ıt w	ater	sys	sten	ns p	oro۱	vide	e 24	-hoı	ur c	on	act	info	orm	ati	on i	or e	emer	genci	es.				
11. §	SATELLITE MANAG	GEMENT AGENCY - SN	/IA (check o	nlv o	ne)																							
	Not applicate Owned and Managed Or Owned Only	Managed nly	SM	A NA	ME:	:	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	SMA	A Numbei	:			
12. V		HARACTERISTICS (ma	ark all that	vlage)																							
[Agricultural Commercial / Bu Day Care Food Service/Fo	siness			,				Inc Lic Lo	dust cens dgir	trial sed ng	Re	ic sider			cilit	у				Sc Te		ary Fa	arm Work	er ion, etc.):			
13. V	NATER SYSTEM O	WNERSHIP (mark only	one)																				14.	STORA	GE CAPA	CITY	(gall	ons)
	Association City / Town	☐ County ☐ Federa															peci		Dist	trict					7,446,00	00		
15	SOUR	16 CE NAME	17 INTERTIE		so	URC		8 CAT	EG	OR'	Y			19 JSE		20	Т	RE	2′ AT	1 ME	NT	D	22 EPTH	23	SOUR	24 CE LO	САТ	ION
Source Number	AND WELL 1 Example: V IF SOURCE IS INTI LIST SEL Example	NAME FOR SOURCE FAG ID NUMBER. WELL #1 XYZ456 PURCHASED OR ERTIED, LLER'S NAME E: SEATTLE	INTERTIE SYSTEM ID NUMBER	WELL	WELL IN A WELL FIELD	SPRING	SPRING FIELD	SPRING IN SPRINGFIELD	SEA WATER	SURFACE WATER	RANNEY / INF. GALLERY	OTHER	-	SEASONAL	EMERGENCY	SOURCE METERED	_	CHLORINATION	FILTRATION	FLUORIDATION	IRRADIATION (UV)	OTHER	DEPTH TO FIRST OPEN INTERVAL IN FEET	CAPACITY (GALLONS PER MINUTE)	1/4, 1/4 SECTION	SECTION NUMBER	TOWNSHIP	RANGE
S01	77050Y/Seattle		77050 Y	\dashv		_	\vdash	Н	\vdash	H	\vdash	\vdash	X	4	4	$\overline{}$	Х	$\frac{1}{\sqrt{1}}$	<u></u>	Ţ	4	+	124	2800	NE OF	24	00N	00E
	Wojewodski Well 1 Well 2 APP301			\vdash	X	+	H	Н	H	Н	\vdash	\vdash	X	-	\dashv	Y Y	-+	-	X	X	+	+	124 50	250 250	NE SE	24	23N 23N	05E 05E
	Well 1,2,3 Wellfield			×	+	+	H	H	H	H	\vdash		X	\dashv	\dashv	Υ	-	-	X	X	+	+	42	450	NE SE	24	23N	05E
	Well 3 BCS873				X	1	П	П	П	П	Г	Г	Х	┪		Υ		x	Х	Х	寸	T	42	250	SE NE	24	23N	05E

WATER FACILITIES INVENTORY (WFI) FORM - Continued

1. SYSTEM ID NO.	2. SYSTEM NAME				3. (COUNTY				4. GRO	OUP	5. TYP	E
41150 L	KING COUNTY WATER DISTRICT NO	90			KIN	G					A	Co	mm
								ACT SERV CONNEC	IVE /ICE	DOH US CALCU ACT CONNE	ILATED IVE	DOH US APPRO CONNE	
25. SINGLE FAMILY RE	SIDENCES (How many of the following	do you ha	ave?)							76		Unspe	ecified
A. Full Time Single Fami	ly Residences (Occupied 180 days or more	per year)						76	41	1			
B. Part Time Single Fam	ily Residences (Occupied less than 180 day	ys per yea	ar)					0	1	ı			
26. MULTI-FAMILY RES	IDENTIAL BUILDINGS (How many of the	following	g do you	have?)						ı			
A. Apartment Buildings,	condos, duplexes, barracks, dorms							C		ı			
	Units in the Apartments, Condos, Duplexes	-		<u> </u>				C		ı			
	Units in the Apartments, Condos, Duplexes			•	ss than 18	30 days/ye	ear	С)	ı			
	CONNECTIONS (How many of the follow			-									
	and/or Transient Accommodations (Campsi			motel/ove	rnight uni	ts)		0			0		
B. Institutional, Commerc	ial/Business, School, Day Care, Industrial S	services, e		TOTAL CE	DVICE C	ONNECT	IONE	17	3		73		
29. FULL-TIME RESIDE	NTIAL POPULATION		26.	IOTAL SE	RVICE C	ONNECT	IONS			76	314		
	re served by this system 180 or more days	per year?			19100								
30. PART-TIME RESIDE	NTIAL POPULATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
A. How many part-time re	esidents are present each month?												
B. How many days per m	nonth are they present?												
31. TEMPORARY & TRA	ANSIENT USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
	s, attendees, travelers, campers, patients to the water system each month?												
B. How many days per m	nonth is water accessible to the public?												
32. REGULAR NON-RES	SIDENTIAL USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
	aycares, or businesses connected to your students daycare children and/or ch month?	500	500	500	500	500	500	500	500	500	500	500	500
B. How many days per mo	onth are they present?	20	20	20	20	20	20	20	20	20	20	20	20
33. ROUTINE COLIFORM	M SCHEDULE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC
* Requirement is exception	from WAC 246-290	20	20	20	20	20	20	20	20	20	20	20	20
34. NITRATE SCHEDUL	E		QUAR	TERLY			ANNU	JALLY		OI	NCE EVE	RY 3 YEA	RS
(One Sample per source	by time period)												
35. Reason for Submitti	ing WFI:												
Update - Change	Update - No Change Inact	tivate	☐Re-A	ctivate	☐ Na	me Chanç	је 🗌	New Syst	em [Other			
36. I certify that the inf	ormation stated on this WFI form is corr	ect to the	best of r	my knowl	edge.								
SIGNATURE:					DATE:								
PRINT NAME:					TITLE:								

WS ID WS Name

41150 KING COUNTY WATER DISTRICT NO 90

Total WFI Printed: 1

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1117	ĬŸ.	6 G
Co	ns	tru
	C	on

WATER WELL REPORT		YX	
Original & 1" copy - Ecology, 2" copy - owner, 3" copy - driller	CURRENT	, –	
Construction/Decommission ("x" in circle) 298782	Notice of Intent No. W210113		
⊠ Construction	Unique Ecology Well ID Tag No. APP301		
Decommission ORIGINAL INSTALLATION	Water Right Permit No. G1-25195P		
Notice of Intent Number	Property Owner Name King County Water District No.	90	
PROPOSED USE: Domestic Industrial Municipal DeWater Inrigation Test Well Other	Well 2	-1.	
TYPE OF WORK: Owner's number of well (if more than one)			
New well Reconditioned Method: Dug Bored Driven	Well Street Address 17711 SE Jones Rd		
☐ Deepened	City Renton County King County		
DIMENSIONS: Diameter of well 16 inches, drilled 220 ft. Depth of completed well 190tt	Location NE1/4-1/4 SE1/4 Sec 24 Twn 23 R 05	EWM	. 60
CONSTRUCTION DETAILS		rwai	r use
Casing Welded 16" Diam from +1 ft to 50 ft.	Lat/Long	www	£ []
Liner installed 12" Diam from +5 ft. ω 190 ft. Threaded	(s, t, r Still Lat Deg Min Sec REQUIRED) Long Deg Min Se		
Perforations: Yes 🛇 No	CONSTRUCTION OR DECOMMISSION PROC		
Type of perforator used	Formation: Describe by color, character, size of material and struct	ure, and the	
SIZE of perfs in. by in. and no. of perfs from ft. to ft.	nature of the material in each stratum penetrated, with at least one of information. (USB ADDITIONAL SHEBTS IF NECESSARY.)		ի շնարը ։
Screens: Yes No K-Pac Location Location	MATERIAL	FROM	ró
Manufacturer's Name Alloy Machine Works, Inc.	Brown Sand and Gravel	1	18
Type SSI Model No	with Cubbles below 10'	18	40
Diam. 12Slot size .040 from 185 ft. to 190 ft.	Gray Clay with occasional Sand and Gravel, Thin Layers	10	40
Gravet/Filter packed: Yes No Size of gravel/sand 8X12	of Green Clay below 35'	···	
Materials placed from Q ft. to 190 ft.	Gray Gravel and Sand Water	40	64
Surface Seal: Wes No To what depth? 32.8ft.	Bearing		
Material used in seal <u>CRIMENT GROUT</u> Did any strata comain unusable water? Yes No	Gray fine to coarse Sand	64	106
Type of water? Depth of strate	with occasional gravel and Silt Water Bearing	 -	ļ
Marhod of sessing strate off	Gray fine to medium Sand	106	132
PUMP: Manufacturer's Name	with occasional Gravel		
KTypes on the St H.P.:	and Silt, Coal and Wood	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	44.
WATER LEVELS: Land-surface elevation above mean sea level 147 ft.	below 125 Gray Silty Fine Sand	132	207
Static level ft. below top of well Date	with occasional gravel	-132	201
Artesian pressure 5 be per square inch Date 3/18/08	to coobles and Gray Clay	,	
Artasian water is controlled by ValVQ cap, valve, etc.)	Layers, Coal, and Wood		
WELL TESTS: Drawdown is amount water level is lowered below static level	Increase below/197: Gray Clay/Sitt with	207	220
Was a pump test made? 🖾 Yes 🔲 No If yes, by whon? RN&S	Sand and Gravel	+	
Yield: 465gal/nin. with 31.7ft. drawdown after 1hrs. Yield: 465gal/nin. with 42.1ft. drawdown after 14hrs.	RECEIVE	D	
Yield. 465gal/min. with 43.6ft. drawdown after 24hrs.		J	
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	APR 2 8 2009	· 	
Time Water Level Time Water Level Time Water Level	2.0 2000		
0 min 43.5 30 min 14.4 4 hr 7.3	DEPT. OF ECOLO	OGY	
5 min 18.7 1 hr 12.41 8 hr 4.3 10 min 17 2 hr 10 24 hr 0.8			
Date of test Bailer test gal/min. with ft. drawdown after hrs		•	
Airrest gal./min. with stem set atft. forhrs.			
Artesian flow g.p m. Date			
Temperature of water 51. Was a chemical analysis made? ☑ Yes ☐ No	Start Date 01/02/08 Complete	d Date (4/03/08
	Tax Parcel No.2423059114		
WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept resp	onsibility for construction of this well, and its committees with all	Washine	on we'f
construction standards. Materials used and the information reported above are to	rue to my best knowledge and belief.	47 asmingu	NI MEII
Driller D Engineer D Trainee Driller or trainee License No 1470	Drilling Company Chargon DRILLIA	gilno	
Nature (Front Lase, First) MICKEL SEN TOOK	Address 12 19 224 St East	7.4.6	•, •,
Driller/Engineer/Traince Signatu. Toold: Mickelsen	City, State, Zip Clackam, UA 9833	Z	
IF-TRAINEE: Driller's: License November 25 (1988)	Contractor's case assists	<u>)</u> 	<u>;</u>
175 173 A EV A 27 A 27 A 37 A 38 A 37 A 38 A 38 A 38 A 38 A 3	A A CONTRACTOR WITH A CONTRACT OF A CONTRACT		

Driller D Engineer D Traince Driller or trainee License No 1410	Onlling Company Cha
Nattre (Frank Lass, First) MICKELSEN, anTOOL	Address 12719-2
Driller/Engineer/Traince Signatu. Told Michelsen	City, State, Zip Clark
IF-TRAINEE: Drillerts/License Nov 요성설 23명	Convactor's one was asset
Driller's Signature in a power was a comment of the	
TO COME THE COME TO A COMMON DEPOSIT OF THE COME OF TH	Registration No. CHARODII33NF

	n <i>ORIGI</i> N	IAL INSTAL	LATION	
	Notice	of Intent N	umber	
PROPOSED USE:	Domestic	☐ Industrial ☐ Test Well	⊠ Mu	nicipal r
TYPE OF WORK: Ov	vner's number	of well (if more	than one) 3	
New well ☐ R		Method : 🔲 1	Oug 🗆 B	ored Drive
DIMENSIONS: Diamet	er of well 16			
	of completed v	vell 89ft.		
CONSTRUCTION DET				
Casing Welded Installed: Liner ins	talled 20" I		5 ft. to 45 ft	t.
Perforations: Yes				
Type of perforator used				
SIZE of perfsin. by		d no of perfs	from	ft to ft.
Screens: X Yes	No □ K-I	Pac Locati	on	
Manufacturer's Name JC	A COLUMN TO SERVICE	2		
Type STAINLESS S		Model No. V-	WIRE	
Diam. 16"Slot size 80 fr				
DiamSlot size	from	ft. 10	fi.	
Gravel/Filter packed: De Materials placed from +2		No Size of g	ravel/sand 4)	<u>K8</u>
Surface Seal: X Yes	T 35 . W	1 1 1000	(a)	
Material used in seal NE	1.1			
Did any strata contain uni				
Type of water?	2 10 20	_ Depth of stra		
Type of water? Method of sealing strata of	ff	_ Depth of stra		
Type of water? Method of sealing strata of PUMP: Manufacturer's 1	off	_ Depth of stra		
Type of water? Method of sealing strata of PUMP: Manufacturer's large.	off	Depth of stra	ta	
Type of water? Method of sealing strata of PUMP: Manufacturer's large: Type: WATER LEVELS: Lan	ff Name d-surface elev	Depth of stra	n sea level _	ft.
Type of water? Method of sealing strata of PUMP: Manufacturer's large: WATER LEVELS: Lan Static level +12.9ft. belo	ff Name d-surface elev w top of well	H.Pation above mea	n sea level	ft.
Type of water? Method of sealing strata of PUMP: Manufacturer's large: WATER LEVELS: Lan Static level +12.9ft. belo	ff Name d-surface elev w top of well	H.Pation above mea	n sea level	ft.
Type of water? Method of sealing strata of PUMP: Manufacturer's latype: WATER LEVELS: Lan Static level +12.9ft. belo Artesian pressure	Named-surface elev w top of well lbs. per squar	H.P. ation above mea Date 2/20/2 e inch Date	n sea level	ft.
Type of water? Method of sealing strata of PUMP: Manufacturer's large: WATER LEVELS: Lan Static level +12.9ft. belower below the static level Artesian pressure Artesian water is controlled.	Named-surface elev w top of well lbs. per squared by VALV	H.P. ation above mea Date 2/20/2 e inch Date	n sca level	ft. (cap, valve, etc.
Type of water? Method of sealing strata of PUMP: Manufacturer's large: WATER LEVELS: Lan Static level +12.9ft, belo Artesian pressure Artesian water is controlled WELL TESTS: Drawdo	Mame	H.Pation above mea Date 2/20/2 e inch Date	n sca level	ft. (cap, valve, etc.
Type of water? Method of sealing strata of PUMP: Manufacturer's large. WATER LEVELS: Lan Static level +12.9ft below Artesian pressure Artesian water is controlled WELL TESTS: Drawdo Was a pump test made? [Vield: 245gal./min. with Yield: 245gal./min. with Yield: 245gal./min. with	d-surface elev w top of well lbs. per squar bd by VALV wm is amount Yes [24.9ft. draw 29.1ft. draw	H.P. ation above mea Date 2/20/2 e inch Date E water level is loo No If yes, down after 1hrs.	n sea level014 wered below:	ft. (cap, valve, etc.
Type of water? Method of sealing strata of PUMP: Manufacturer's large. WATER LEVELS: Lan Static level +12.9ft, below Artesian pressure Artesian water is controlled. WELL TESTS: Drawdo Was a pump test made? [Vield: 245gal./min. with Yield: 245gal./min. with Yield: 245gal./min. with Recovery data (time token)	d-surface elevent top of well lbs. per squared by VALVI wwn is amount Yes [24.9ft. draws 29.1ft. draws 30.8ft. draws 30.8ft. draws 29.1ft. draws 30.8ft. draws 29.1ft. draws 30.8ft. dra	H.P. ation above mea Date 2/20/2 e inch Date water level is loo No If yes, down after 1hrs down after 8hrs. down after 24hrs	n sea level	ft. (cap, valve, etc. static level OKKAIDO
Type of water? Method of sealing strata of PUMP: Manufacturer's large. WATER LEVELS: Lan Static level +12.9ft below Artesian pressure Artesian water is controlled WELL TESTS: Drawdo Was a pump test made? [Vield: 245gal./min. with Yield: 245gal./min. with Yield: 245gal./min. with Recovery data (time token well top to water level)	d-surface elevent top of well lbs. per squared by VALVI wwn is amount Yes [24.9ft. draws 29.1ft. draws 30.8ft. draws 30.8ft. draws 29.1ft. draws 30.8ft. draws 29.1ft. draws 30.8ft. draws 29.1ft. draws 30.8ft. draws 29.1ft. draws 30.8ft. dra	H.P. ation above mea Date 2/20/2 e inch Date water level is loo No If yes, down after 1hrs down after 8hrs. down after 24hrs	n sea level	ft. (cap, valve, etc. static level OKKAIDO measured from
Type of water? Method of sealing strata of PUMP: Manufacturer's large. Type: WATER LEVELS: Lan Static level +12.9ft. belowed by the below the b	d-surface elev w top of well lbs. per square d by VALV wm is amount Yes [24.9ft. draw 29.1ft. draw 30.8ft. draw as zero when	H.P. ation above mea Date 2/20/2 e inch Date E water level is loo No If yes, down after 1hrs. down after 8hrs. down after 24hr. pump turned off	n sea level	ft. (cap, valve, etc. static level OKKAIDO
Type of water? Method of sealing strata of PUMP: Manufacturer's large. WATER LEVELS: Lan Static level +12.9ft. below Artesian pressure Artesian water is controlled WELL TESTS: Drawdo Was a pump test made? [Vield: 245gal./min. with Vield: 245ga	d-surface elevent top of well lbs. per squared by VALVI with is amount Market 19.1ft. draws 29.1ft. draws 30.8ft. draws as zero when	H.P. ation above mea Date 2/20/2 e inch Date E water level is loo If yes, down after 1hrs. down after 24hr. pump turned off Water Level	n sea level	ft. (cap, valve, etc. static level OKKAIDO measured from
Type of water? Method of sealing strata of PUMP: Manufacturer's large. WATER LEVELS: Lan Static level +12.9ft. below the sealing pressure. Artesian pressure. Artesian water is controlled. WELL TESTS: Drawdo. Was a pump test made? [Yield: 245gal./min. with Yield: 245gal./min. Xield: Xi	d-surface elev w top of well lbs. per squar d by VALV with is amount Yes [24.9ft. draw 30.8ft. draw as zero when Time 23.5	H.P. ation above mea Date 2/20/2 e inch Date E water level is loo If yes, down after 1hrs. down after 24hr. pump turned off Water Level	n sea level	ft. (cap, valve, etc. static level OKKAIDO measured from
Type of water? Method of sealing strata of PUMP: Manufacturer's IType: WATER LEVELS: Lan Static level +12.9ft below Artesian pressure Artesian water is controlled WELL TESTS: Drawdo Was a pump test made? [Vield: 245gal./min. with Yield: 245gal./min. with Yield: 245gal./min. with Yield: 245gal./min. with Yield: 245gal./min. with Well top to water level) Time Water Level 1 HR +5.96 8 HR +10.88 12 HR +11.72 Date of test 2/19/2014	d-surface elevent top of well lbs. per square and by VALVI warn is amount Yes [24.9ft. draws 30.8ft. draws as zero when Time 23.5	H.P. ation above mea Date 2/20/2 e inch Date water level is loo No If yes, down after 1hrs. down after 8hrs. down after 24hr. pump turned off Water Level +12.7	n sea level	ft. (cap, valve, etc. static level OKKAIDO measured from Water Level
Type of water? Method of sealing strata of PUMP: Manufacturer's large. WATER LEVELS: Lan Static level +12.9ft. below the sealing pressure. Artesian pressure. Artesian water is controlled. WELL TESTS: Drawdo. Was a pump test made? [Yield: 245gal./min. with Yield: 245gal./min. Xield: Xi	d-surface elevent top of well lbs. per square and by VALVI warn is amount Yes [24.9ft. draws 30.8ft. draws as zero when Time 23.5	H.P. ation above mea Date 2/20/2 e inch Date water level is loo No If yes, down after 1hrs. down after 8hrs. down after 24hr. pump turned off Water Level +12.7	n sea level	ft. (cap, valve, etc. static level OKKAIDO measured from Water Level
Type of water? Method of sealing strata of PUMP: Manufacturer's IType: WATER LEVELS: Lan Static level +12.9ft. below Artesian pressure Artesian water is controlled WELL TESTS: Drawdo Was a pump test made? If Yield: 245gal./min. with Yield: 245	d-surface elev w top of well lbs. per squar ed by VALV wwn is amount Yes [24.9ft. drawi 30.8ft. drawi as zero when Time 23.5	H.P. ation above mea Date 2/20/2 e inch Date water level is loo No If yes, down after 1hrs, down after 24hr, pump turned off Water Level +12.7 ft. drawdown aft	ni sea level	ft. (cap, valve, etc. static level OKKAIDO measured from Water Level

Notice of Intent No. <u>WE17500</u> Unique Ecology Well ID Tag No. <u>BC</u>	\$ 873		
	0010		
Water Right Permit No. G1-2519P		-	
Property Owner Name KING COUNT	Y WATER DIST	RICT #90	
Well Street Address 17711 SE JON	ES ROAD		
City RENTON County	KING		
Location SE1/4-1/4 NE1/4 Sec 24	Twn 23N R 5	EWM 🛭	3
(s, t, r Still REQUIRED)		Or	
Lat/Long Lat Deg	Lat Min/Sec		
Long Deg		,	
Tax Parcel No. (Required)242305			
20,000,000,000			
CONSTRUCTION OR DECC Formation. Describe by color, character, size nature of the material in each stratum penetra of information. (USE ADDITIONAL SHEE	of material and structed, with at least one	ture, and the le entry for each	
MATERIAL		ROM	го
BROWN GRAVELLY FINE TO MED	O' MUIG	1	12'
SAND			
GRAY SILT AND F-M SAND, WITH	12	2	27'
TRACE OF GRAVEL			
GRAY STICKY CLAY	27		15'
GRAY VERY GRAVELLY COARSE	45		19'
SAND	- 10		-01
GRAY SLIGHTLY GRAVELLY F-M SAND	49		52'
GRAY VERY SANDY GRAVEL	52		58'
GRAY SLIGHTLY SILTY F-M SAND			71'
INCREASING GRAVEL	, 30	-	
GRAY F-C SANDY GRAVEL	71		37'
GRAY SILTY F-M SAND	87		99'
GRAY SILTY, SLIGHTLY GRAVELL			108'
FINE SAND			
GRAY SILTY FINE SAND WITH	10	8'	126'
WITH WOOD/ORGANICS	1,11		
GRAY VERY SILTY FINE SAND	12	6'	133'
GRADING TO SANDY SILT			
GRAY SILTY FINE SAND WITH	13	3' 1	44'
ORGANICS			
GRAY SILTY FINE SAND WITH	14	4' 1	50'
TRACE OF GRAVEL AND COBBLE			
воттом ноле	REE	OE FUE	in.
BACKFILLED FROM 150' TO 89'			-
WITH ALTERNATING LAYERS OF		0 1	
	VE MAK	3 1 2014	
BENTONITE CHIPS AND PEA GRA			
BENTONITE CHIPS AND PEA GRA	DEDTIN		
BENTONITE CHIPS AND PEA GRA	DEPT OF	LC 12	15

WELL CONSTRUCTION CERTIFICATION: 1 constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well

Drilling Company HOKKAIDO DRILLIN	NG, INC.
Address P.O. BOX 100	
City, State, Zip GRAHAM, WA 98338	
= - NWCMWG-MANAYAN GRANIA.	
Contractor's	V Company of the Comp
Registration No. HOKKADI017M8	Date 3/28/2014
	City, State, Zip GRAHAM, WA 98338 Contractor's

5/7/2017 General Information



Office of Drinking Water

Help

Individual System View - Goodnight Properties Water System - Water System Id - AB892

Compliance Ac	tions	Operating P	Permits	Operator	S	Reports	Water Use Efficiency
General Informa	ation	Source Info	rmation	Sample	es	Exceedances	Water Quality Monitoring Schedule
Group	В		Status	Act	ive	Ownership Type	e Investor
Туре			Residential Population	0		Jurisdiction	
County	KING		NonResident Population	tial 2		System Effectiv Date	e 10/25/2007
Owner Name	Goodnight Water Syst		Total Calcula Connections	1		System Inactive Date	
Primary Contact	Debbie Silv	⁄a	Total Approv Connections	1		SMA Name	
Primary Contact Phone	(360) 794-6	6220	Distribution Capacity (ga	llons) 0		SMA Number	
Water System Mailing Address	PO Box 13	47					
	Monroe, W	A 98058					

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<u>DOH Home</u> | <u>Community and Environment</u> | <u>Drinking Water Home</u> | <u>Drinking Water Contacts</u> <u>Access Local Health</u> | <u>Privacy Notice</u> | <u>Disclaimer/Copyright Information</u>

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Department of Health, Office of Drinking Water

Street Address: Mail:

243 Israel Road S.E. 2nd floor PO BOX 47822

Tumwater, WA 98501 Olympia, WA 98504-7822

Phone: (360) 236-4357 Toll Free: (800) 521-0323

Send inquiries about DOH and its programs to the <u>Health Consumer Assistance Office</u> Comments or questions regarding this Web site? Send email to <u>Environmental Health Application Support</u> or call 888-457-2467.

5/7/2017 Source Information



Office of Drinking Water

Help

Individual System View - Goodnight Properties Water System - Water System Id - AB892

Compli	ance Actions C	perating Permits	S 0	perators	Reports	Water Use Efficiency
General	I Information Se	ource Informatio	n	Samples	Exceedan	ces Water Quality Monitoring Schedule
Source 01 -	- Well AFJ613					
Source Status	Active	Usage	Permanent	WRIA	Cedar- Sammamish	Intertie Supplying NA System
Туре	Groundwater Well	Capacity (gpm)	20	Township	23	Intertie Supplying NA Number
Effective Date	10/18/2007	Treated	No	Range	06E	
Inactive Date		Metered	Yes	Section	19	
DOE Well Tag Number	AFJ613	Well Depth (ft)	50	Qtr/Qtr Section	SESE	

Records 1 - 1 of 1

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Comments or questions regarding this Web site? Send email to <u>Environmental Health Application Support</u> or call 888-457-2467.

Display as table with source treatment information



WATER FACILITIES INVENTORY (WFI) FORM

Quarter: 0

Updated: 10/25/2007

Printed: 5/7/2017 WFI Printed For: On-Demand

Submission Reason: New System

RETURN TO: Central Services - WFI, PO Box 47822, Olympia, WA, 98504-7822

ONE FORM PER SYSTEM

1. \$	SYSTEM ID NO.	2. SYSTEM NAME											;	3.	COL	JN.	ΓY								4. GR	OUP	5.	TYPE	
	AB892 A	GOODNIGHT PROPE	RTIES WAT	ER S	SYS	TEI	M							KIN	1G										В				
6. P	RIMARY CONTAC	T NAME & MAILING A	DDRESS									7.	. OV	۷N	ER	NA	ME	& IV	IAIL	INC	A	DDF	RES	ss	8. OWN	ER NUME	BER:	0328	84
	GOODN PO BOX	SILVA [PROJECT MAN IGHT PROPERTIES IN 1347 E, WA 98058										(GAF PO	RY BC	D. (D. (X 1: OE,	347	DDN	liGi	ΤТ	TES	IN	С		F	PRESIDE	ENT			
STR	EET ADDRESS IF	DIFFERENT FROM AB	OVE									Sī	ΓRE	ET	· AD	DR	ESS	S IF	DIF	FE	REI	I TI	FRC	OM ABO	VE				
ATT ADD CITY	RESS 18825 R	ENTON-MAPLE VALLE		⊃ 98	058	3						ΑĽ	TTN DDF TY		SS					STA	ΛTΕ			ZIP					
9. 2	4 HOUR PRIMARY	CONTACT INFORMAT	TION									10). O	W١	IER	СС	NT	AC1	I IN	FOI	RM	ATIO	ON						
Prim	ary Contact Daytim	e Phone: (360) 794	-6220									O١	wne	r D	aytii	me	Pho	ne:			(36	0) 7	794	-6220					
Prim	ary Contact Mobile/	Cell Phone:										O١	wne	r M	1obil	e/C	ell F	Phoi	ne:										
Prim	ary Contact Evening	g Phone:										O١	wne	r E	veni	ing	Pho	ne:											
Fax:		E-mail: xxxxxxxxxxx	xxxxxxxx									Fa	ıx:						E-n	nail:	хх	XXX	XXX	xxxxxxx	xxxx				
		WAC 246-290-4	20(9) requir	es th	nat	wat	er s	yst	tem	ıs p	rov	/ide	24	l-ho	our (cor	ntac	t inf	orr	nati	on	for	em	ergencie	es.				
11. 8	SATELLITE MANAG	GEMENT AGENCY - SI	MA (check o	nly	one	e)																							
	Not applicat Owned and Managed O Owned Only	Managed nly	SM	A N	ΑM	E:	-							_							_			SMA	Number	;			
12. \	WATER SYSTEM C	HARACTERISTICS (m	ark all that	appl	ly)																								
[Agricultural Commercial / Bu Day Care Food Service/Fo 1,000 or more pe		e days per y	ear						Ind Lic Loc	lust ens dgir	rial sed ng	Re	sid	entia			ty				So Te	choo emp	orary Fa		er ion, etc.):			
13. \	WATER SYSTEM O	WNERSHIP (mark onl	y one)																					14.	STORA	GE CAPA	CITY	(gall	ons)
	Association City / Town	☐ County ☐ Federa						est ivate										•		Dis	rict								
15	SOUR	16 CE NAME	17 INTERTIE		s	OUF	RCE	18 E C		EGO	OR	Y			19 USE	.	20		TRI	2 [.] EAT		NT		22 DEPTH	23	SOUR	24 CE LC	CAT	ION
Source Number	AND WELL 1 Example: V IF SOURCE IS INT LIST SEL	NAME FOR SOURCE FAG ID NUMBER. VELL #1 XYZ456 PURCHASED OR ERTIED, LER'S NAME 9: SEATTLE	INTERTIE SYSTEM ID NUMBER	WELL	WELL FIELD	WELL IN A WELL FIELD	SPRING	SPRING FIELD	SPRING IN SPRINGFIELD	SEA WATER	SURFACE WATER	RANNEY / INF. GALLERY	ОТНЕК	PERMANENT	SEASONAL	EMERGENCY	SOURCE METERED	NONE	CHLORINATION	FILTRATION	FLUORIDATION	IRRADIATION (UV)	ОТНЕК	DEPTH TO FIRST OPEN INTERVAL IN FEET	CAPACITY (GALLONS PER MINUTE)	1/4, 1/4 SECTION	SECTION NUMBER	TOWNSHIP	RANGE
S01	Well AFJ613			Х	\dashv	4	4	4	4	\dashv	4			Х		_	Υ	Х			4	\dashv	\dashv	30	20	SE SE	19	23N	06E
				${old H}$	4	\dashv	\dashv	+	\dashv	4	\dashv		\vdash		\vdash	_	_	\vdash		$\vdash \vdash$	\dashv	\dashv	4				-		_
				Н	\dashv	+	+	+	\dashv	\dashv	\dashv		\vdash	_	\vdash	\vdash				\vdash	\dashv	\dashv	\dashv				\vdash		
				H				┪	_		┨											┪							

WATER FACILITIES INVENTORY (WFI) FORM - Continued

1. SYSTEM ID NO.	2. SYSTEM NAME				3. 0	COUNTY				4. GRC	OUP	5. TYP	E
AB892 A	GOODNIGHT PROPERTIES WATER	SYSTEM			KIN	G				!	В		
								ACT SERV CONNE	/ICE	DOH US CALCUI ACTI CONNE	LATED IVE	DOH US APPR CONNE	
25. SINGLE FAMILY RE	ESIDENCES (How many of the following	do you ha	ave?)							C))
A. Full Time Single Fami	ily Residences (Occupied 180 days or more	per year)	1					C)				
B. Part Time Single Fam	ily Residences (Occupied less than 180 day	ys per yea	ar)					C)				
26. MULTI-FAMILY RES	IDENTIAL BUILDINGS (How many of the	following	g do you	have?)				i					
-	condos, duplexes, barracks, dorms							C					
	Units in the Apartments, Condos, Duplexes	-		•				C					
	Units in the Apartments, Condos, Duplexes			•	ss than 18	30 days/ye	ear	С					
	. CONNECTIONS (How many of the follow			•	rniaht uni	to)		0		C	1)
	and/or Transient Accommodations (Campsi cial/Business, School, Day Care, Industrial S			motel/ove	iriigiit uiii	15)		1		1			<u> </u>
D. mondina, commerci	nai/business, seriosi, bay oure, maderial e	JC1 V1003, C		OTAL SE	RVICE C	ONNECT	IONS			1			1
29. FULL-TIME RESIDE	NTIAL POPULATION							<u> </u>					<u>. </u>
	re served by this system 180 or more days	per year?			0								
30. PART-TIME RESIDE	NTIAL POPULATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC
A. How many part-time re	esidents are present each month?												
B. How many days per m	nonth are they present?												
31. TEMPORARY & TRA	ANSIENT USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
	rs, attendees, travelers, campers, patients to the water system each month?												
B. How many days per m	nonth is water accessible to the public?												
32. REGULAR NON-RE	SIDENTIAL USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
	aycares, or businesses connected to your students daycare children and/or ich month?	2	2	2	2	2	2	2	2	2	2	2	2
B. How many days per m	onth are they present?	20	20	20	20	20	20	20	20	20	20	20	20
33. ROUTINE COLIFORI	M SCHEDULE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
* Requirement is exceptior	n from WAC 246-290												
34. NITRATE SCHEDUL	E		QUAR	TERLY			ANN	JALLY		10	NCE EVER	RY 3 YEA	RS
(One Sample per source	by time period)												
35. Reason for Submitti	ing WFI:												
Update - Change	Update - No Change Inact	tivate	∏Re-A	ctivate	☐ Nai	me Chang	је 🔲	New Syst	em [Other			
36. I certify that the inf	formation stated on this WFI form is corr	ect to the	best of r	ny knowl	edge.								
SIGNATURE:					DATE:								
DDINT NAME:					TITI E:								

WS ID WS Name

AB892 GOODNIGHT PROPERTIES WATER SYSTEM

Total WFI Printed: 1



Office of Drinking Water

Help

Individual System View - Goodnight Properties Water System - Water System Id - AB892

Complia	nce Actions	Operating Perm	its	Operators	Reports		Wa	ter Use Efficiency
General I	nformation	Source Informat	ion	Samples	Exceedance	S	Water	Quality Monitoring Schedule
Source 📥	DOE Source	Collect Date	Test P	anel Analyte Group	Sample Number	Lab N	<u>umber</u>	<u>Exceedances</u>
Dist		3/27/2009	COLI_	AP MICRO	99148	089		No

Records 1 - 1 of 1

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243 Israel Road S.E. 2nd floor PO BOX 47822

Tumwater, WA 98501 Olympia, WA 98504-7822

Phone: (360) 236-4357 Toll Free: (800) 521-0323

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File Original with Department of Ecology Second Copy - Owner's Copy Third Copy - Driller's Copy

WATER WELL REPORT 0/

STATE OF WASHINGTON

Notice of Intent	W118743	
	ID.# AFT 613	ı

Water Right	Permit	No	
-------------	--------	----	--

(1)		ess P.O. Box 1347 Monroe Wa 98272
(2) (2a)		5E1/4 SE 1/4 Sec 19 T 23 NR 5E WM' 9 Funton UG. 23-5E-19R
(3)	PROPOSED USE: Domestic Industrial Municipal Other DeWater	(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least
(4)	TYPE OF WORK: Owneds number of well (if more than one) New Well Deepened Reconditioned Cable Driven Decommission Active	one entry for each change of information. Indicate all water encountered MATERIAL FROM TO Sondy Brown Clay walks D H H H H T T T T T T T T T
(5)	Drilled 50 feet Depth of completed well 50 ft	Sand your (uster) 32 50
(6)	CONSTRUCTION DETAILS Casing.Installed: Welded Diam from 72 ft to 8 ft Diam from 6 ft to 30 ft Diam from 6 ft to 30 ft Diam from 6 ft to 6 ft Diam from 72 ft to 78 ft Diam from 72 ft to 78 ft Diam from 6 ft to 78 ft Perforations: Type of perforator used	
	SIZE of perforationsin byinft toftft	
	Screens: 19 (es No K-Pac Location Manufacturer's Name Model No Model	NOV 0 7 2000
	Gravel/Filter packed: ☑ Size of gravel/sand 5-12-felicia Material placed from	DEPT OF ECOLOGY
	Surface seal: Yes No. To what depth? / ft Material used in seal Yes Into Did any strata contain unusable water? Yes Into Type of water? Depth of strata Method of sealing strata off	
(7)	PUMP: Manufacturer's Name Joulds Type Lukmensable HP /	
(8)	WATER LEVELS: Land-surface elevation above mean sea level Static level	Work Started flow 1 /00 Completed flow 2 /00
(9)	WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? ☐ Yes ☑ No ☐ If yes, by whom? Yield ☐ gal /min with ☐ ft drawdown after ☐ hrs Yield ☐ gal /min with ☐ ft drawdown after ☐ hrs Yield ☐ gal /min with ☐ ft drawdown after ☐ hrs Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) Time Water Level Time Water Level Time Water Level ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief. Type or Print Name
	Date of test Bailer test Airtest Gal /min with Grawdown after hrs Artesian flow g p m Date Grawdown after hrs	Address) 4// 30 SF NS MARYS VICES WA Contractor's Registration No ASCADO 9/P8 Date Mon 4/00 (USE ADDITIONAL SHEETS IF NECESSARY)
ECY	Temperature of water Was a chemical analysis made? ☐ Yes ♣No 050-1-20 (11/98)	Ecology is an Equal Opportunity and Affirmative Action employer For special accommodation needs, contact the Water Resources Program at (360) 407-6600 The TDD number is (360) 407-6006

5/7/2017 General Information



Division of Environmental Health Office of Drinking Water

Help

Individual System View - MURALT, TED - Water System Id - 52541

Compliance Ac	ctions	Operating	Permits	Op	erators	Reports		Water Use Efficiency
General Informa	ation	Source Info	ormation	5	Samples	Exceedanc	es	Water Quality Monitoring Schedule
Group	В		Status		Active	Owners	hip Type	Investor
Туре			Residential Population		5	Jurisdic	tion	WA DOH ODW
County	KING		NonResiden Population	itial	0	System Date	Effective	9/1/1988
Owner Name	MURA	LT, TED	Total Calcula Connections		2	System Date	Inactive	
Primary Contact	Richar	do Ramacho	Total Approv		2	SMA Na	me	
Primary Contact Phone	(000)0	00-0000	Distribution Capacity (ga		250,000	SMA Nu	mber	
Water System Mailing Address		Maple Y Highway						
	MAPLI WA 98	E VALLEY, 3058						

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Tumwater, WA 98501 Olympia, WA 98504-7822

Phone: (360) 236-4357 Toll Free: (800) 521-0323

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5/7/2017 Source Information



Office of Drinking Water

Help

Individual System View - MURALT, TED - Water System Id - 52541

ance Actions O	perating Permits	S 0	perators	Report	s Water Use Efficiency
Information So	ource Informatio	n :	Samples	Exceedar	Water Quality Monitoring Schedule
WELL #1					
Active	Usage	Permanent	WRIA	Duwamish- Green	Intertie Supplying NA System
Groundwater Well	Capacity (gpm)	22	Township	24	Intertie Supplying NA Number
1/1/1970	Treated	No	Range	05E	
	Metered	Undefined	Section	24	
	Well Depth (ft)	22	Qtr/Qtr Section	NWSE	
	Information Some WELL #1 Active Groundwater Well	Information Source Information WELL #1 Active Usage Groundwater Well Capacity (gpm) 1/1/1970 Treated Metered Well Depth	Information Source Information WELL #1 Active Usage Permanent Groundwater Well Capacity (gpm) 22 1/1/1970 Treated No Metered Undefined Well Depth 22	Information Source Information Samples WELL #1 Active Usage Permanent WRIA Groundwater Well Capacity (gpm) 22 Township 1/1/1970 Treated No Range Metered Undefined Section Well Depth 22 Qtr/Qtr	Information Source Information Samples Exceedar WELL #1 Active Usage Permanent WRIA Duwamish-Green Groundwater Well Capacity (gpm) 22 Township 24 1/1/1970 Treated No Range 05E Metered Undefined Section 24 Well Depth 22 Qtr/Qtr NIWSE

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Display as table with source treatment information



WATER FACILITIES INVENTORY (WFI) FORM

Quarter: 0

Updated: 08/21/2006

Printed: 5/7/2017 WFI Printed For: On-Demand

ONE FORM PER SYSTEM WFI Printed For: On-Demand
Submission Reason: Non-Periodic update

RETURN TO: Central Services - WFI, PO Box 47822, Olympia, WA, 98504-7822

RICHARDO RAMACHO [WS - PRIMARY CONTACT] 17823 MAPLE VALLEY HIGHWAY MAPLE VALLEY, WA 98058 STREET ADDRESS IF DIFFERENT FROM ABOVE ATTN ADDRESS CITY STATE ZIP 10. OWNER CONTACT INFORMATION	IER NUMBER: 013414	
RICHARDO RAMACHO [WS - PRIMARY CONTACT] 17823 MAPLE VALLEY HIGHWAY MAPLE VALLEY, WA 98058 STREET ADDRESS IF DIFFERENT FROM ABOVE ATTN ADDRESS CITY STATE ZIP 10. OWNER CONTACT INFORMATION	IER NUMBER: 013414	
17823 MAPLE VALLEY HIGHWAY MAPLE VALLEY, WA 98058 STREET ADDRESS IF DIFFERENT FROM ABOVE ATTN ADDRESS CITY STATE ZIP 17823 MAPLE VALLEY HIWAY MAPLE VALLEY, WA 98058 STREET ADDRESS IF DIFFERENT FROM ABOVE ATTN ADDRESS CITY STATE ZIP 10. OWNER CONTACT INFORMATION		
ATTN ADDRESS CITY STATE ZIP 9. 24 HOUR PRIMARY CONTACT INFORMATION ATTN ADDRESS CITY STATE ZIP 10. OWNER CONTACT INFORMATION		
ADDRESS CITY STATE ZIP 9. 24 HOUR PRIMARY CONTACT INFORMATION ADDRESS CITY STATE ZIP 10. OWNER CONTACT INFORMATION		
9. 24 HOUR PRIMARY CONTACT INFORMATION 10. OWNER CONTACT INFORMATION		
		=
Delineary Contact Doutine Dhanes (000)000 0000		_
Primary Contact Daytime Phone: (000)000-0000 Primary Contact Mobile/Cell Phone: Owner Mobile/Cell Phone: Owner Mobile/Cell Phone:		_
Primary Contact Evening Phone: Owner Evening Phone: Owner Evening Phone:		\dashv
Fax: E-mail: xxxxxxxxxxxxxx Fax: E-mail: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		_
WAC 246-290-420(9) requires that water systems provide 24-hour contact information for emergencies.		
11. SATELLITE MANAGEMENT AGENCY - SMA (check only one)		
Not applicable (Skip to #12) Owned and Managed SMA NAME: Managed Only Owned Only	ır:	
12. WATER SYSTEM CHARACTERISTICS (mark all that apply)		
☐ Agricultural ☐ Hospital/Clinic ☒ Residential ☐ Commercial / Business ☐ Industrial ☐ School ☐ Day Care ☐ Licensed Residential Facility ☐ Temporary Farm Wor ☐ Food Service/Food Permit ☐ Lodging ☐ Other (church, fire state) ☐ 1,000 or more person event for 2 or more days per year ☐ Recreational / RV Park ☐		
	GE CAPACITY (gallons	(e)
Table Tabl		13)
☐ Association ☐ County ☐ Investor ☐ Special District ☐ City / Town ☐ Federal ☐ Private ☐ State	250,000	13)
☐ Association ☐ County ☐ Investor ☐ Special District	250,000 24 SOURCE LOCATION	
☐ Association ☐ County ☐ Investor ☐ Special District ☐ City / Town ☐ Federal ☐ Private ☐ State 15 16 17 18 19 20 21 22 23	SECTION NUMBER HIP	
Association County Investor Special District State Special District State	1/4, 1/4 SECTION SECTION NUMBER TOWNSHIP	N
Association City / Town Federal Private Source Name LIST UTILITY'S NAME FOR SOURCE AND WELL FIELD NUMBER. Example: WELL #1 XYZ456 IF SOURCE IS PURCHASED OR INTERTIED, LIST SELLERD SOURCE WATER AND WELL BELLO NUMBER. Example: SEATILE LIST UTILITY O FIRST OPEN ATTER SOURCE WATER OF HELD NUMBER. Example: SEATILE LIST UTILITY O FIRST OPEN ATTER SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. Example: WELL #1 XYZ456 IF SOURCE IS PURCHASED OR INTERTIED, LIST SELLERD OTHER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. Example: SEATILE LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. Example: WELL #1 XYZ456 LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. Example: WELL #1 XYZ456 LIST SELLE WATER OF HELD NUMBER. LIST SELLE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. EXAMPLE OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIS	1/4, 1/4 SECTION SECTION NUMBER TOWNSHIP	RANGE
Association City / Town Federal Private Source Name LIST UTILITY'S NAME FOR SOURCE AND WELL FIELD NUMBER. Example: WELL #1 XYZ456 IF SOURCE IS PURCHASED OR INTERTIED, LIST SELLERD SOURCE WATER AND WELL BELLO NUMBER. Example: SEATILE LIST UTILITY O FIRST OPEN ATTER SOURCE WATER OF HELD NUMBER. Example: SEATILE LIST UTILITY O FIRST OPEN ATTER SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. Example: WELL #1 XYZ456 IF SOURCE IS PURCHASED OR INTERTIED, LIST SELLERD OTHER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. Example: SEATILE LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. Example: WELL #1 XYZ456 LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. Example: WELL #1 XYZ456 LIST SELLE WATER OF HELD NUMBER. LIST SELLE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. EXAMPLE OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIST UTILITY S NAME FOR SOURCE WATER OF HELD NUMBER. LIS	1/4, 1/4 SECTION SECTION NUMBER TOWNSHIP	RANGE

WATER FACILITIES INVENTORY (WFI) FORM - Continued

1. SYSTEM ID NO.	2. SYSTEM NAME				3. (3. COUNTY					4. GROUP		5. TYPE	
52541 F	MURALT, TED KING										В			
								ACTIVE SERVICE		DOH USE ONLY! CALCULATED ACTIVE CONNECTIONS		DOH USE ONLY APPROVED CONNECTIONS		
25. SINGLE FAMILY RESIDENCES (How many of the following do you have?)										2		2		
A. Full Time Single Family Residences (Occupied 180 days or more per year)								2		,				
B. Part Time Single Fam				0										
26. MULTI-FAMILY RESIDENTIAL BUILDINGS (How many of the following do you have?)														
A. Apartment Buildings, condos, duplexes, barracks, dorms								0						
B. Full Time Residential Units in the Apartments, Condos, Duplexes, Dorms that are occupied mo					ore than 1	80 days/ye	ear	0						
C. Part Time Residential Units in the Apartments, Condos, Duplexes, Dorms that are occupied le					ss than 18	30 days/ye	ar	С)					
27. NON-RESIDENTIAL CONNECTIONS (How many of the following do you have?)											_			
A. Recreational Services and/or Transient Accommodations (Campsites, RV sites, hotel/motel/ove					rnight uni	ts)		0		0		0		
B. Institutional, Commercial/Business, School, Day Care, Industrial Services, etc.					DVIOE O	ONNECT	IONG	0		0 2		0		
					RVICE C	RVICE CONNECTIONS				4	2	2		
29. FULL-TIME RESIDENTIAL POPULATION A. How many residents are served by this system 180 or more days per year? 5														
30. PART-TIME RESIDE	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	Nov	DEC			
30. PART-TIME RESIDE	ENTIAL POPULATION	JAN	FEB	WAR	APR	IVIAT	JUN	JUL	AUG	SEP	001	NOV	DEC	
A. How many part-time residents are present each month?														
B. How many days per month are they present?														
31. TEMPORARY & TRANSIENT USERS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	
A. How many total visitors, attendees, travelers, campers, patients or customers have access to the water system each month?														
B. How many days per month is water accessible to the public?														
32. REGULAR NON-RESIDENTIAL USERS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	
A. If you have schools, daycares, or businesses connected to your water system, how many students daycare children and/or employees are present each month?														
B. How many days per month are they present?														
33. ROUTINE COLIFORM SCHEDULE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	
* Requirement is exception from WAC 246-290														
34. NITRATE SCHEDULE		QUARTERLY					ANN	JALLY		ONCE EVER		RY 3 YEA	Y 3 YEARS	
(One Sample per source by time period)														
35. Reason for Submitting WFI:														
Update - Change	Update - No Change Inactivate Re-Activate				Name Change New System Other									
36. I certify that the inf	formation stated on this WFI form is corr	ect to the	best of i	my knowl	edge.									
SIGNATURE:					DATE:	DATE:								
PRINT NAME:					TITI E:									

WS ID WS Name
52541 MURALT, TED

Total WFI Printed: 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Muralt STATE OF WASHINGTON

on-Maple Valle SE 14 sec 24 rd	3.n., r.	Б.Е.w.м.
haracter size of materi	al and stru	cture, and
character, size of materi the kind and nature of ist one entry for each	the materichange of	formation.
	0	3
graved Closel	76	22
sand	22	
	+	
		
	-	
		<u> </u>

1) OWNER: Name Tel Murels	Address 1 1855 Ranton - Maple Hillay	1 dightery 5
2) LOCATION OF WELL: County King	SE 14 SE 14 Sec 24 T233	.n., r5.E.w.m.
learing and distance from section or subdivision corner	(10) WELL LOG:	
3) PROPOSED USE: Domestic Industrial Municipal Irrigation Test Well Other	Formation: Describe by color, character, size of material a show thickness of aquifers and the kind and nature of the stratum penetrated, with at least one entry for each characteristic colors.	ind structure, and material in each noe of formation.
(4) TYPE OF WORK: Owner's number of well (if more than one).		FROM TO
New well Method: Dug 🗆 Bored 🗆	Senface	0 2
Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Retary ■ Jetted ☐	Brown sandt graved Closy	2 16
Reconditioned Rotary Jetted	Gray water sand & gravel	16 22
5) DIMENSIONS: Diameter of well inches. Drilled 22 ft. Depth of completed well ft.	Gray heaving sand	22 —
(6) CONSTRUCTION DETAILS:		
Casing installed: 6 " Diam. from 6 tt. to 22 ft.		
Threaded : " Diam. from		
Perforations: Yes No 1		
Type of perforator used		
perforations from ft. to ft.		
perforations from		
perforations from		
Screens: Yes 🗆 No 🛣		
Manufacturer's Name		
Type Model No		
Diam Slot size from ft, to ft.		
Gravel packed: Yes No Size of gravel:		
Gravel placed from tt. to tt.		
Surface seal: Yes No To what depth?		
(7) PUMP: Manufacturer's Name		
(8) WATER LEVELS: Land-surface elevation above mean sea level	\ 	
Artesian pressurelbs. per square inch Date		
Artesian water is controlled by		
and James Inches		125 0
(3) WELL IESTS. lowered below static level	Work started. 7 19 Completed	19.00
Was a pump test made? Yes No If yes, by whom?	TANDET TOURS INCOME.	
Yield: gal./min. with it. drawdown arter ma	This well was drilled under my jurisdiction a	and this report is
0 0	true to the best of my knowledge and belief.	
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) Water Level Time Water Level Time Water Level	NAME.	Co I
Time Water Level Time Water Level Time Water Level	(1 419011, 111.11, 01 000)	40
	Address 19415 108 There SE	
	010	
Date of test	[Signed]	
Bailer test 20 gal/min. with 10 ft. drawdown after hr Artesian flow g.p.m. Date	A) 7	12 0
Artesian flow	License No. Date Date	/, 19 .a

5/7/2017 General Information



Division of Environmental Health Office of Drinking Water

Help

Individual System View - KENNYS SERVICE STATION - Water System Id - 38128

F F N F	ation Status Residential Population NonResidential Population Total Calculated	Samples Active 20 0	Ownership Type Jurisdiction System Effective Date	Water Quality Monitoring Schedule Investor WA DOH ODW 1/1/1970
F F N F	Residential Population NonResidential Population	20	Jurisdiction System Effective Date	WA DOH ODW
F N F	Population NonResidential Population		System Effective Date	
F	Population	0	Date	1/1/1970
S SERVICE 1	Total Calculated			
N (Connections	8	System Inactive Date	
	Total Approved Connections	Undetermined	SMA Name	
		80	SMA Number	
	E STATION	E STATION Connections Distribution	E STATION Connections Undetermined	E STATION Connections Distribution 80 SMA Number

Home Page | Find Water Systems | Find Water Quality | Downloads/Reports

<u>DOH Home</u> | <u>Community and Environment</u>| <u>Drinking Water Home</u> | <u>Drinking Water Contacts</u> <u>Access Local Health</u> | <u>Privacy Notice</u> | <u>Disclaimer/Copyright Information</u>

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Department of Health, Office of Drinking Water

Street Address: Mail:

243 Israel Road S.E. 2nd floor PO BOX 47822

Tumwater, WA 98501 Olympia, WA 98504-7822

Phone: (360) 236-4357 Toll Free: (800) 521-0323

Send inquiries about DOH and its programs to the <u>Health Consumer Assistance Office</u> Comments or questions regarding this Web site? Send email to <u>Environmental Health Application Support</u> or call 888-457-2467.

5/7/2017 Source Information



Office of Drinking Water

Help

Individual System View - KENNYS SERVICE STATION - Water System Id - 38128

Compli	ance Actions O	perating Permits	0	perators	Report	s Water Use Efficiency
General	Information So	ource Information	n	Samples	Exceedan	ces Water Quality Monitoring Schedule
Source 01 -	Well 01					
Source Status	Active	Usage	Permanent	WRIA	Cedar- Sammamish	Intertie Supplying NA System
Туре	Groundwater Well	Capacity (gpm)		Township	23	Intertie Supplying NA Number
Effective Date	1/1/1970	Treated	Yes	Range	06E	
Inactive Date		Metered	Undefined	Section	19	
DOE Well Tag Number		Well Depth (ft)	11	Qtr/Qtr Section	SESE	

Records 1 - 1 of 1

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Display as table with source treatment information



WATER FACILITIES INVENTORY (WFI) FORM

ONE FORM PER SYSTEM

Quarter: 0

Updated: 05/14/2002 Printed: 5/7/2017

WFI Printed For: On-Demand

Submission Reason: Non-Periodic update

RETURN TO: Central Services - WFI, PO Box 47822, Olympia, WA, 98504-7822

1. SYSTEM ID NO.	2. SYSTEM NAME										;	3. (COL	UN ⁻	ΤΥ								4. GROUP 5. TYP			TYP	E
38128 C	KENNYS SERVICE ST	TATION									ŀ	KIN	G										В				
6. PRIMARY CONTAC	T NAME & MAILING AI	DDRESS								7.	O۷	VNE	ER	NA	ME	& N	IAII	INC	ЭΑ	DD	RES	SS	8. OWN	ER NUM	BER:	0029	46
PRIMARY CONTACT WS# 38128 KENNYS SERVICE STATION [WSPRIMARY CONTACT] 18015 MAPLE VLLY HWY RENTON, WA 98055					S -	KENNYS SERVICE STATION NEED PRIMARY CONTACT OWNER ORG 18015 MAPLE VLLY HWY RENTON, WA 98055								0													
STREET ADDRESS IF	DIFFERENT FROM AB	OVE								ST	RE	ET	ΑD	DR	ES	S IF	DII	FE	RE	NT	FR	ОМ АВО	VE				
ATTN ADDRESS CITY	STATE ZIP									l	TN DR TY		ss					ST	ΔΤΕ	=		ZIP					
9. 24 HOUR PRIMARY		TION										WN	ER	CC)NT	AC	ΓIN				ON						
Primary Contact Daytim										-					Pho												
Primary Contact Mobile													ell F														
Primary Contact Evenin	g Phone:	Owner Evening Phone:																									
Fax:	E-mail: xxxxxxxxxxx	E-mail: xxxxxxxxxxx						xxxxxx	xxxx																		
WAC 246-290-420(9) requires that water systems provide 24-hour contact information for emergencies.							es.																				
11. SATELLITE MANA	GEMENT AGENCY - SI	MA (check o	nlv o	ne)																							
Not applical Owned and Managed C Owned Onl	Managed nly	SM	A NA	ME:		_																SMA	Numbe	r:			
12. WATER SYSTEM C	HARACTERISTICS (m	ark all that a	apply	')																							
☐ Agricultural ☐ Commercial / Bu ☐ Day Care ☐ Food Service/Fo ☐ 1,000 or more po		e days per y	ear					Lo	lust ens dgir	rial sed ng	Res	side	entia V P		acili	ty] s	cho emp	oorary Fa	arm Worl	ker tion, etc.)	:		
13. WATER SYSTEM C	WNERSHIP (mark only	y one)																				14.	STORA	GE CAP	CITY	(gall	ons)
☐ Association ☐ City / Town	☐ County ☐ Federa			-	X Ir □ P											-		Dis	tric	t				80			
15 SOUF	16 RCE NAME	17 INTERTIE		so	URC		8 CAT	EG	ORY	Y		ı	19 USE	=	20		TRI	2 EA1		ENT		22 DEPTH	23	SOUR	24 CE LC		ION
AND WELL Example: \(\) IF SOURCE IS INT LIST SEI	NAME FOR SOURCE TAG ID NUMBER. NELL #1 XYZ456 S PURCHASED OR ERTIED, LER'S NAME e: SEATTLE	INTERTIE SYSTEM ID NUMBER	WELL	WELL FIELD		SPRING FIELD	SPRING IN SPRINGFIELD	SEA WATER	SURFACE WATER	RANNEY / INF. GALLERY	OTHER	PERMANENT	SEASONAL	EMERGENCY	SOURCE METERED	NONE	CHLORINATION	FILTRATION	FLUORIDATION	IRRADIATION (UV)	отнек	DEPTH TO FIRST OPEN INTERVAL IN FEET	CAPACITY (GALLONS PER MINUTE)	1/4, 1/4 SECTION	SECTION NUMBER	TOWNSHIP	RANGE
S01 Well 01			Х						\Box			Χ					Χ					11		SE SE	19	23N	06E
				\perp	\perp		Н		4				\vdash	L			_			lacksquare	\vdash				-		
			+	+	+		Н	\vdash	4	\dashv		Н	\vdash	\vdash	\vdash	\vdash				\vdash	\vdash		-		+		
			\vdash	+	╁		Н	H	\dashv				\vdash	_	\vdash					\vdash	\vdash						\vdash

WATER FACILITIES INVENTORY (WFI) FORM - Continued

1. SYSTEM ID NO.	2. SYSTEM NAME				3. 0	COUNTY				4. GRO	E				
38128 C	KENNYS SERVICE STATION				KIN	G					В				
								ACT SER\ CONNE	IVE ICE	DOH US CALCU ACT CONNE	LATED IVE	DOH US APPR CONNE			
25. SINGLE FAMILY RE	SIDENCES (How many of the following	do you ha	ave?)							8	3	Undete	ermined		
	ly Residences (Occupied 180 days or more							8							
-	ily Residences (Occupied less than 180 da							C							
	IDENTIAL BUILDINGS (How many of the	following	g do you	have?)				Ι ,							
-	condos, duplexes, barracks, dorms					20.1./		C							
	Units in the Apartments, Condos, Duplexes Units in the Apartments, Condos, Duplexes	-		•				0							
	CONNECTIONS (How many of the follow			•	55 111011 10	oo days/ye	aı								
	and/or Transient Accommodations (Campsi			•	rniaht uni	ts)				()				
	ial/Business, School, Day Care, Industrial S					,		0		(
	·			TOTAL SE	RVICE C	ONNECT	IONS			8	3				
29. FULL-TIME RESIDE	NTIAL POPULATION														
A. How many residents a	re served by this system 180 or more days	per year?			20										
30. PART-TIME RESIDE	NTIAL POPULATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC		
A. How many part-time re	esidents are present each month?														
B. How many days per m	nonth are they present?														
31. TEMPORARY & TRA	ANSIENT USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC		
	rs, attendees, travelers, campers, patients to the water system each month?														
B. How many days per m	nonth is water accessible to the public?														
32. REGULAR NON-RE	SIDENTIAL USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC		
	aycares, or businesses connected to your students daycare children and/or ch month?														
B. How many days per m	onth are they present?														
33. ROUTINE COLIFORI	M SCHEDULE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC		
* Requirement is exception	from WAC 246-290														
34. NITRATE SCHEDUL	E		QUAR	TERLY			ANN	UALLY		OI	ICE EVE	RY 3 YEA	RS		
(One Sample per source	by time period)														
35. Reason for Submitti															
Update - Change	Update - No Change Inact	tivate	∏Re-A	ctivate	☐ Nai	ne Chanç	је 🗌	New Syst	em [Other					
36. I certify that the inf	formation stated on this WFI form is corr	ect to the	best of r	ny knowl	edge.										
SIGNATURE:				DATE:											
DDINT NAME:					TITI E:										

WS ID WS Name

38128 KENNYS SERVICE STATION

Total WFI Printed: 1



Division of Environmental Health Office of Drinking Water

Help

Individual System View - cedar rapids grocery - Water System Id - 46980

Compliance Action	ns	Operating P	ermits	0	perators	Rep	oorts	Water Use Efficiency
General Information	ı	Source Infor	mation		Samples	Excee	dances	Water Quality Monitoring Schedule
Group	В		Status		Active	Owi	nership Type	Investor
Туре			Residential P	opulation	0	Juri	sdiction	WA DOH ODW
County	KING		NonResidenti	al Population	5	Sys	tem Effective Date	5/1/1988
Owner Name	CEDAR F	RAPIDS GROCERY	Total Calculat Connections	ed	9	Sys	tem Inactive Date	
Primary Contact	GEORGE	MCCALL	Total Approve Connections	ed	9	SMA	A Name	
Primary Contact Phone	(425) 204	-0838	Distribution C (gallons)	apacity	840	SMA	A Number	
Water System Mailing Address	18015 SE VALLEY I	RENTON MAPLE HWY						
	RENTON	, WA 98058						l

Home Page | Find Water Systems | Find Water Quality | Downloads/Reports

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Department of Health, Office of Drinking Water

Street Address:

243 Israel Road S.E. 2nd floor

Tumwater, WA 98501

Mail:

PO BOX 47822

Olympia, WA 98504-7822

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Division of Environmental Health Office of Drinking Water

Help

Individual System View - cedar rapids grocery - Water System Id - 46980

Complia	ance Actions	Operating Perm	its	Operators	Re	eports	Water Use Efficiency				
General	Information	Source Informat	ion	Samples	Exce	edances	Water Quality Monitor Schedule	ring			
Source 01 - WEL	L #1										
Source Status	Active	Usage	Permanent	WRIA	Duwamish- Green	Intertie Supplying System	NA				
Туре	Groundwater Well	Capacity (gpm)	14	Township	22	Intertie Supplying Number	NA				
Effective Date	1/1/1970	Treated	Yes	Range	05E						
Inactive Date		Metered	Undefined	Section	25						
DOE Well Tag Number		Well Depth (ft)	18	Qtr/Qtr Section	NENW						

Records 1 - 1 of 1

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WATER FACILITIES INVENTORY (WFI) FORM

ONE FORM PER SYSTEM

Quarter: 0

Updated: 10/21/1999 Printed: 9/19/2018

WFI Printed For: On-Demand Submission Reason: Non-Periodic

update

RETURN TO: Central Services - WFI, PO Box 47822, Olympia, WA, 98504-7822

	1. 8	SYSTEM ID NO.	2. SYSTEM NAME						3. COUNTY							4. GROUP 5. TYPE				
GEORGE MCCALL (CONTACT) 1801S SE RENTON MAPLE VALLEY HWY RENTON, WA 98058 STREET ADDRESS IF DIFFERENT FROM ABOVE ATTN ADDRESS CITY STATE ZIP CITY STATE ZIP SATH ADDRESS CITY STATE ZIP STATE ZIP SATH ADDRESS CITY STATE ZIP STATE ZIP SATH ADDRESS CITY STATE ZIP STATE ZIP SATH ADDRESS CITY STATE ZIP STATE Z		46980 Q	CEDAR RAPIDS GF	ROCERY						KING						В				
1801S SE RENTON MAPLE VALLEY HWY RENTON, WA 98058 STREET ADDRESS IF DIFFERENT FROM ABOVE ATTN ADDRESS CITY STATE ZIP 9. 24 HOUR PRIMARY CONTACT INFORMATION Pinary Contact Daylime Phone: Pinary Contact Caylime Phone: Pinary Contact Evening Phone	6. P	PRIMARY CONTACT	Γ NAME & MAILING AΓ	DDRESS					7. 0	OWNER N	AME 8	& MAIL	ING A	DDRES	SS 8.	OWNER	NUMBER	R: 012	2957	
ATTN ADDRESS CITY STATE ZIP CITY STATE ZIP 2.4 HOUR PRIMARY CONTACT INFORMATION Primary Contact Daytime Phone: (425) 204-0838 Owner Daytime Phone: Owner Mobile/Cell Phone: Primary Contact Mobile/Cell Phone: Primary Contact Wobile/Cell Phone: Primary Contact Evening Phone: Fax: E-mail: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	18015 SE RENTON MAPLE VALLEY HWY RENTON, WA 98058						1801	15 SE RE	NTON	MAPL	E VAL	EY HV	VY							
ADDRESS CITY STATE ZIP 9. 24 HOUR PRIMARY CONTACT INFORMATION Primary Contact Daylime Phone:			DIFFERENT FROM AB	OVE					STRE	REET ADD	RESS	IF DIF	FERE	NT FRO	OM ABOV	/E				
9. 24 HOUR PRIMARY CONTACT INFORMATION Primary Contact Daytime Phone: (425) 204-0838 Owner Daytime Phone: Owner Mobile/Cell Phone: Owner Mobile/Cell Phone: Owner Mobile/Cell Phone: Owner Mobile/Cell Phone: Primary Contact Evening Phone: Fax: E-mail: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	ADD	RESS	STATE ZIP						ADDRESS											
Primary Contact Daytime Phone: (425) 204-0838 Owner Daytime Phone: Owner Mobile/Cell Phone: Owner Sell Phone:			CONTACT INFORMAT	ION																
Primary Contact Mobile/Cell Phone: Primary Contact Evening Phone: Owner Mobile/Cell Phone:	-			-																
Fax: E-mail: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	-	•							·											
### Institute Management Agency - SMA (check only one) Mot applicable (Skip to #12)	Prim	nary Contact Evening	Phone:																	
Not applicable (Skip to #12)	Fax:	:	E-mail: xxxxxxxxxxx	XXXXXXXXXXXXXXXX					Fax:			E-r	mail: x	XXXXX	XXXXXXXX	(XXXX				
Agricultural Agri	11. S	Not applicat Owned and Managed O	ole (Skip to #12) Managed nly	`	• ,	≣:									SMA	Number:				
Agricultural Agri	12. \	WATER SYSTEM C	HARACTERISTICS (m	ark all that a	(vlac															
Association County Shrivestor Special District State S]	☐ Agricultural☐ Commercial / Bu☐ Day Care☐ Food Service/Fo	siness od Permit					Indus Licen Lodgi	trial sed Re ing	tesidential		у]	Scho	ool porary Fa					
City / Town Federal Private State 840	13. W	VATER SYSTEM OV	VNERSHIP (mark only	one)					14. STORAGE CAPA									CITY	gallo	ns)
SOURCE NAME SOURCE CATEGORY SECTION NUMBER CAPACITY (GALLONS PER MINUTE) LIST UTILITY'S NAME FOR SOURCE AND WELL TAG ID NUMBER. Example: WELL #1 XYZ456 IF SOURCE IS PURCHASED OR INTERTIE SPRING IN SPRING IN SPRING FIELD SPRING FIEL	_		☐ County	,	Investor										14.	SIONAC	SE CAPA	OII I	(9	
	15	_ City / Town	Federa			_						-	Distric	t	14.	STORAC			(3	
S01 WELL#1 X X 18 14 NE NW 25 22N 05	13		16	17	S	Pr	ivate 18	EGOR	Y	19 USE	20	State	21		22		840	24		ON
	Source Number	SOUR LIST UTILITY'S AND WELL Example: V IF SOURCE IS INT LIST SEL Exampl	16 RCE NAME NAME FOR SOURCE TAG ID NUMBER. WELL #1 XYZ456 B PURCHASED OR ERTIED, LLER'S NAME	17 INTERTIE INTERTIE SYSTEM ID	WELL FIELD WELL	OURC	18 E CAT SPRING IN		RANNEY / INF. G.	SEASONAL PERMANENT	20	TRI	21 EATM FLUORIDATION FILTRATION	ENT	22 TH DEPTH TO FIRST OPEN TERVAL IN FEET	CAPACITY (GALLONS PER MINUTE)	840 SOURC 1/4, 1/4 SECTION	24 CE SECTION NUMBER	CATI	RANGE
	Source Number	SOUR LIST UTILITY'S AND WELL Example: V IF SOURCE IS INT LIST SEL Exampl	16 RCE NAME NAME FOR SOURCE TAG ID NUMBER. WELL #1 XYZ456 B PURCHASED OR ERTIED, LLER'S NAME	17 INTERTIE INTERTIE SYSTEM ID	WELL FIELD WELL	OURC	18 E CAT SPRING IN		RANNEY / INF. G.	SEASONAL PERMANENT	20	TRI	21 EATM FLUORIDATION FILTRATION	ENT	22 TH DEPTH TO FIRST OPEN TERVAL IN FEET	CAPACITY (GALLONS PER MINUTE)	840 SOURC 1/4, 1/4 SECTION	24 CE SECTION NUMBER	CATI	
	Source Number	SOUR LIST UTILITY'S AND WELL Example: V IF SOURCE IS INT LIST SEL Exampl	16 RCE NAME NAME FOR SOURCE TAG ID NUMBER. WELL #1 XYZ456 B PURCHASED OR ERTIED, LLER'S NAME	17 INTERTIE INTERTIE SYSTEM ID	WELL FIELD WELL	OURC	18 E CAT SPRING IN		RANNEY / INF. G.	SEASONAL PERMANENT	20	TRI	21 EATM FLUORIDATION FILTRATION	ENT	22 TH DEPTH TO FIRST OPEN TERVAL IN FEET	CAPACITY (GALLONS PER MINUTE)	840 SOURC 1/4, 1/4 SECTION	24 CE SECTION NUMBER	CATI	RANGE
	Source Number	SOUR LIST UTILITY'S AND WELL Example: V IF SOURCE IS INT LIST SEL Exampl	16 RCE NAME NAME FOR SOURCE TAG ID NUMBER. WELL #1 XYZ456 B PURCHASED OR ERTIED, LLER'S NAME	17 INTERTIE INTERTIE SYSTEM ID	WELL FIELD WELL	OURC	18 E CAT SPRING IN		RANNEY / INF. G.	SEASONAL PERMANENT	20	TRI	21 EATM FLUORIDATION FILTRATION	ENT	22 TH DEPTH TO FIRST OPEN TERVAL IN FEET	CAPACITY (GALLONS PER MINUTE)	840 SOURC 1/4, 1/4 SECTION	24 CE SECTION NUMBER	CATI	RANGE

WATER FACILITIES INVENTORY (WFI) FORM - Continued

1. SYSTEM ID NO.	2. SYSTEM NAME		3. 0	COUNTY				4. GRC)UP	5. TYP	5. TYPE		
46980 Q	CEDAR RAPIDS GROCERY				KIN	G					В		
								ACTI SERV CONNEC	'ICE	DOH USI CALCUI ACTI CONNEC	LATED IVE	DOH US APPRO CONNE	
25. SINGLE FAMILY RE	SIDENCES (How many of the following of	do you ha	ive?)							C		9)
A. Full Time Single Famil	y Residences (Occupied 180 days or more	per year)						0					
B. Part Time Single Fami	ly Residences (Occupied less than 180 day	/s per yea	ır)					0					
26. MULTI-FAMILY RESI	DENTIAL BUILDINGS (How many of the	following	do you	have?)									
A. Apartment Buildings, o	condos, duplexes, barracks, dorms							0					
B. Full Time Residential	Units in the Apartments, Condos, Duplexes	, Dorms th	nat are oc	cupied mo	re than 1	80 days/ye	ear	0					
C. Part Time Residential	Units in the Apartments, Condos, Duplexes	s, Dorms t	hat are o	cupied les	ss than 18	30 days/ye	ar	0					
27. NON-RESIDENTIAL	CONNECTIONS (How many of the follow	ving do y	ou have?)									
A. Recreational Services a	and/or Transient Accommodations (Campsi	tes, RV si	tes, hotel/	motel/ove	rnight uni	ts)	0		C)	()	
B. Institutional, Commerci	al/Business, School, Day Care, Industrial S	Services, e	etc.					9		g	,	()
			28. 1	OTAL SE	RVICE C	ONNECTI	IONS			g	,	9	9
29. FULL-TIME RESIDEN	ITIAL POPULATION				_								
A. How many residents a	re served by this system 180 or more days	per year?			0								
30. PART-TIME RESIDE	NTIAL POPULATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
A. How many part-time re	esidents are present each month?												
B. How many days per m	onth are they present?												
31. TEMPORARY & TRA	ANSIENT USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
	s, attendees, travelers, campers, patients to the water system each month?	5	5	5	5	5	5	5	5	5	5	5	5
B. How many days per m	. How many days per month is water accessible to the public?				1	1	1	1	1	1	1	1	1
32. REGULAR NON-RES	SIDENTIAL USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
	aycares, or businesses connected to your students daycare children and/or ch month?												
B. How many days per mo	onth are they present?												
33. ROUTINE COLIFORN	I SCHEDULE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC
Requirement is exception	from WAC 246-290												
34. NITRATE SCHEDUL		QUAR	TERLY			ANNU	JALLY		10	NCE EVER	RY 3 YEA	RS	
(One Sample per source	by time period)												
35. Reason for Submitti	ng WFI:												
Update - Change	Update - No Change Inact	ivate	∏Re-A	ctivate	☐ Nai	me Chang	је 🔲	New Syst	em [Other			
36. I certify that the infe	ormation stated on this WFI form is corre	ect to the	best of r	ny knowl	edge.								
SIGNATURE:					DATE:								
PRINT NAME:					TITLE:								

Error: Subreport could not be shown.



Water Facilities Inventory (WFI)

Report Create Date: 9/19/2018

Water System Id(s): 46980

Print Data on Distribution Page: ALL

Print Copies For: DOH Copy

Water System Name: ALL

County: -- Any --

Region: ALL

Group: ALL

Type: ALL

Permit Renewal Quarter: ALL

Water System Is New: ALL

Water System Status: ALL

Water Status Date From: ALL To: ALL

Water System Update Date From: ALL To: ALL

Owner Number: ALL

SMA Number: ALL

SMA Name: ALL

Active Connection Count From: ALL To: ALL

Approved Connection Count From: ALL To: ALL

Full-Time Population From: ALL To: ALL

Water System Expanding Services: ALL

Source Type: ALL

Source Use: ALL

WFI Printed For: On-Demand

WATER WELL REPORT

23/05-24/ Application No

hird Copy — Driller's Copy	STATE OF W	ASHINGTON		Permit No	<u></u>	<u> </u>
1) OWNER: Name George McCc	. 11	Address 1801	5 SE Map	Le Vallay	Huy	Reutou
2) LOCATION OF WELL: County 1512	!5		SE SE s	ec 24 T	23n. r	√.w.m.
Bearing and distance from section or subdivision corne		_		· · · · · · · · · · · · · · · · · · ·		
3) PROPOSED USE: Domestic 🗆 Industri	al 🛘 Municipal 🕱	(10) WELL L				
Irrigation Test We	ell [] Other []	Formation: Describe show thickness of a stratum penetrated	be by color, character, aquifers and the kind : I, with at least one en	size of material and nature of t tru for each cl	and stru he materi ande of 1	cture, and al in each formation.
4) TYPE OF WORK: Owner's number of we (if more than one)			MATERIAL		FROM	то
New well 1754 Method: Du Deepened □ Ca	ig [] Bored [] ible [] Driven []	Brownigo	and a singua	-1	0_	<u></u>
Reconditioned [Ro	otary 😿 Jetted 🗆	JON SIM	doar		フ	14
5) DIMENSIONS: Diameter of well Drilled 1.8ft. Depth of completed w		Gray wa	Tir sould	graw/	14	18
(6) CONSTRUCTION DETAILS:						
Casing installed: 6 " Diam from	On to 18 n					
Threaded Diam. from						
Welded Diam. from	п. т.					
Perforations: Yes No by					-	<u>-</u>
SIZE of perforations in. by	y in.				•	<u> </u>
perforations from perforations from	ft. to ft.					
perforations from	ft. to ft.					
Screens: Yes D No by						
Manufacturer's Name Mode	d No					
Diam. Slot size from	ft. to ft.			N. Jean	· · · · -	
Diam Slot size from	ft. to ft.		 		- j	
Gravel packed: Yes 🗆 No 🧗 Size of g					1 4	
Gravel placed from ft. to				7 6		
Surface seal: Yes No D Towhat de	pth?	l 			ডি৪7 -	
Material used in seal pudding Did any strata contain unusable water?	Yes 🗆 No 💆		DE_{2}			
Type of water? Depth of	strata			: <u>Ur E</u> (//)/ 	Λ <u>ν</u>
Method of sealing strata off.		ì			250	J
(7) PUMP: Manufacturer's Name.						
	ion					
(8) WATER LEVELS: Land-surface elevation above mean sea level. Static level 7	el					
Artesian pressure	Date					
Artesian water is controlled by(Ca	p, valve, etc.)					
(9) WELL TESTS: Drawdown is amount lowered below static	water level is level	Work started	2-1 1 57	Completed	12-	1987
Was a pump test made? Yes ☐ No ☐ If yes, by wh	om7		LER'S STATEM			
Yield: gal./min. with nt. drawdows	n after hrs.		as drilled under my		and this	report is
	AINJET.	true to the bes	t of my knowledge	and belief.		
Recovery data (time taken as zero when pump turn measured from well top to water level)		NAME Joh	nuson Do	illina	Co.	, /N.C.,
Time Water Level Time Water Level T	ime Water Level		(Person, firm, or corp	oration) 🗸 (Type or/ — 🕢	ت 9.80 لـ نام 19.80
		Address 75	115 /0817	thesE	Ke	NTON
			1	20-0		
Date of test	wn afterhrs.	[Signed]	1200 el	il Driller)	୷∕ ີ	
Artesian flowg.p.m. Date		License No	0233	Date 1.	2-1	19.87
Temperature of water Was a chemical analysis	s made? Yes 🗋 No 🗋	THESIBE NO				



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Water Well Report

Asterisks (*) Indicates Required Field.

ECOLOGY

State of Westington	*Notice of Intent Number W35704	2	
*Construction/Decommission	*Unique Ecology Well ID Tag Number FT	-551	
Construction	Water Right Permit Number		
Decommission Original Installation	*Property Owner Name Chuck Voc	are. []	
Notice of Intent Number	*Property Owner Name	(at 5	T
*Proposed Use: Donuestic Industrial Municipal DeWater Injustion Test Well Other	*Well Street Address 19002 SE 16	151 5	1
Dewalet Banganon 200	*City Renton *County K		
*Type of work: Owner's number of well (if more than one) Reconditioned Method: Dug Bored Driven Deepened Cable Rotary Jetted *Dimensions: Diameter of well miches, drilled 75 n.	*Location <u>SE</u> 1/4-1/4 <u>SE</u> 1/4 Twn <u>23</u> R		EWM C
Depth of completed well 70 ft.	Latitude Lat Deg Lat Min/Sec Longitude Long Deg Long Min/Sec	_	
*Construction Details	*Tax Parcel No. 192306 - 9016		
Casing Welded 6" Diameter from + 1 ft. to 69 ft.			
Installed: Liner installed " Diameter from ft. to ft. Threaded " Diameter from ft. to ft.	*Construction Or Decommission Pr Formation: Describe by color, character, size of material and	structure, and th	he kind and
*Perforations: Yes No	nature of the material in each stratum penetrated, with at least	one entry for e	each change
Type of perforator used	of information. Use additional sheets if necessary.	From	To
Size of perforatorsin. byin. and	Material	0	3
Number of perforatorsfromft. toft.	Surface	3	11
*Screens: Yes No K-Pac Location	Sauch - brown	11	47
Manufacturer's Name	Hardpan- brown		
Type Model No	Sand-gracel brown	61	70
Type Model No ft. to ft.	Sand-gracel-Water stade	70	
Diameter Slot size troil 11. to 12.	Sandstone-gray	,,	100
*Gravel/Filter packed: Yes No Size of gravel/sand Materials placed fromft. toft.			
*Surface Seal: Yes No To what depth? 18 tt.			-
*Surface Seal: W Yes LINO 10 Wall deput. 10 W			-
Material used in seal heutowite			-
Did any strata contain unusable water?			-
Type of water? Depth of strate			-
Method of sealing strata off		-	
*Pump: Manufacturer's Name			
*Water Levels: Land-surface elevation above mean sea level ft.			
*Water Levels: Land-surface elevation above ineati sea level			
Static level _55 ft. below top of well Date _2-14-2016			
Artesian pressurelbs. per square inch Date		-	
Artesian water is controlled by (cap, valve, etc.)			-
*Well Tests: Drawdown is amount water level is lowered below static level			-
*Was a pump test matle? 🗷 No 🔲 Yes If yes, by whom?			+
Yield:gallon/minute withft. drawdown afterhrs.			-
Ticks hrs			+
o to down office the			1
Yield:gallon/minute withft. drawdown afterhrs. Recovery data finne taken as zero when pump turned off) (water level measured from	RECEN	1.0	+
well top to water level)			
*Time Water Level Time Water Level Time Water Level	1110 - 0 00		
	MAR 28 20	16	
	DEDT OF CO.		
	DEPT OF COD	OGY	
*Date of testgallon/minute withft. drawdown afterhrs.		8	7.0
*Bailer testgallon/minute withtt. drawdown afterins. *Airtestgallon/minute with stem set at 68 ft. for ins.	*Start Date 2-10-2016 Completed I	Date	14-2016
*Artesian flowgpm *Date		38.11-	
Van E No			
*Temperature of water*Was a chemical analysis made? res	distriction of the second state of the second	with all Was	chington well
WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept re construction standards. Materials used and the information reported above ar	E little to the best knowledge tale believe		
construction standards. Materials used and the information reported above to		ing Co	, INC
* Driller Engineer Traince Name (Print) Brow John Sol	*Address 901 108 1 HL	12.5E	
*Driller/Engineer/Trainee Signature	*City State 7in On Hay	980	55
*Driller or trainee License Number 0233 *If Trainee: Driller's License Number	Contractor's Registration Number OHNSDC2	OR MDate	7-14-20
FIT Trainee: Driller's License Mullioti			

*Driller's Signature

ECY-050-1-20 (Rev 02/10) If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872.

Parsons with a sneech disability can call 877-833-6341.

5/7/2017 General Information



Division of Environmental Health Office of Drinking Water

Help

Individual System View - KING COUNTY SHOP #2 - Water System Id - 38640

Compliance Ac	ctions Operati	ng Permits	Operators	Reports	Water Use Efficiency
General Inform	eral Information Source Information		Samples	Exceedances	Water Quality Monitoring Schedule
Group	В	Status	Active	Ownership Type	Investor
Туре		Residential Population	0	Jurisdiction	WA DOH ODW
County	KING	NonResider Population	ntial 24	System Effective Date	1/1/1970
Owner Name	KING COUNTY SHOP #2	Total Calcul Connection	5	System Inactive Date	
Primary Contact		Total Appro Connection		SMA Name	
Primary Contact Phone	(425) 392-3355	Distribution Capacity (ga	1 000	SMA Number	
Water System Mailing Address					
	ISSAQUAH, WA 98027				

Home Page | Find Water Systems | Find Water Quality | Downloads/Reports

<u>DOH Home | Community and Environment | Drinking Water Home | Drinking Water Contacts</u> Access Local Health | Privacy Notice | Disclaimer/Copyright Information

Links to external resources are provided as a public service and do not imply endorsement by the Washington State Department of Health

Department of Health, Office of Drinking Water

Street Address: Mail:

243 Israel Road S.E. 2nd floor PO BOX 47822

Tumwater, WA 98501 Olympia, WA 98504-7822

Phone: (360) 236-4357 Toll Free: (800) 521-0323

Send inquiries about DOH and its programs to the Health Consumer Assistance Office Comments or questions regarding this Web site? Send email to Environmental Health Application Support or call 888-457-2467.

5/7/2017 Source Information



Office of Drinking Water

Help

Individual System View - KING COUNTY SHOP #2 - Water System Id - 38640

Compli	Compliance Actions Operating Permits		S 0	perators	Reports	Water Use Efficiency
Genera	I Information S	ource Informatio	n	Samples	Exceedan	ces Water Quality Monitoring Schedule
Source 01 -	- WELL #1					
Source Status	Active	Usage	Permanent	WRIA	Cedar- Sammamish	Intertie Supplying NA System
Туре	Groundwater Well	Capacity (gpm)		Township	23	Intertie Supplying NA Number
Effective Date	1/1/1970	Treated	No	Range	06E	
Inactive Date		Metered	Undefined	Section	19	
DOE Well Tag Number		Well Depth (ft)	35	Qtr/Qtr Section	SWSE	

Records 1 - 1 of 1

Home Page | Find Water Systems | Find Water Quality | Downloads/Reports

<u>DOH Home</u> | <u>Community and Environment</u>| <u>Drinking Water Home</u> | <u>Drinking Water Contacts</u> Access Local Health | Privacy Notice | Disclaimer/Copyright Information

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Send inquiries about DOH and its programs to the <u>Health Consumer Assistance Office</u>
Comments or questions regarding this Web site? Send email to <u>Environmental Health Application Support</u> or call 888-457-2467.

Display as table with source treatment information



WATER FACILITIES INVENTORY (WFI) FORM

ONE FORM PER SYSTEM

Quarter: 0

Updated: 12/13/1991

Printed: 5/7/2017
WFI Printed For: On-Demand
Submission Reason: Non-Periodic update

RETURN TO: Central Services - WFI, PO Box 47822, Olympia, WA, 98504-7822

1. \$	SYSTEM ID NO.	2. SYSTEM	NAME												3.	CO	UN	TY								4. GR	OUP	5.	TYP	=
	38640 D	KING COUN	TY SHOP	#2											KIN	١G										В				
6. P	RIMARY CONTAC	T NAME & M.	AILING AI	DDRESS									7	. 0\	٧N	IER	NA	ME	& M	AIL	INC	A é	DD	RES	ss	8. OWN	ER NUME	BER:	0029	79
	РО ВО	D SCHRODE X 1324 AH, WA 9802	-	R]										P.O). E	ARD BOX QUAH	13	24												
STR	EET ADDRESS IF I	DIFFERENT	FROM AB	OVE									S	TRE	EΤ	ΓAD	DF	RES	S IF	DIF	FE	REI	NT	FRO	OM ABO	VE				
ATTI ADD CITY	RESS	STATE	ZIP										ΑI	TTN DDF ITY		SS					STA	ΛΤΕ			ZIP					
	4 HOUR PRIMARY			ION									\vdash		WN	NER	CC	DNT	ACT					ON						
Prim	ary Contact Daytime	e Phone:	(425) 392-	3355									0	wne	er D	ayti	me	Pho	ne:											
Prim	ary Contact Mobile/	Cell Phone:	<u> </u>										0	wne	r N	/lobil	le/C	Cell F	Phor	ne:										
Prim	ary Contact Evening	g Phone:	(xxx)-xxx-	xxxx									0	wne	r E	ven	ing	Pho	ne:											
Fax:		E-mail: xx	xxxxxxxx	xxxxxxxx									Fa	ax:						E-m	nail:	хх	XXX	xxx	xxxxxxx	xxxx				
		WAC 2	246-290-42	(9) require	es th	at v	wate	er s	sys	tem	ıs p	orov	vid	e 24	l-h	our	COI	ntac	t inf	orn	nati	on	for	em	ergencie	es.				
11. S	SATELLITE MANAC	SEMENT AGI	ENCY - SI	//A (check o	nly	one	e)																							
	Not applicate Owned and Managed On Owned Only	Managed nly	2)	SM	A NA	λМE	E:																		SMA	. Numbei	:			
12. V	WATER SYSTEM C	HARACTERI	STICS (ma	ark all that	appl	y)																								
]	Agricultural Commercial / Bu Day Care Food Service/Food	siness									Inc Lic Lo	dust cens dgir	trial sed ng	Re	sid	entia			ty] S	cho emp	orary Fa		er ion, etc.):			
	WATER SYSTEM O				<u>oui</u>						110	7010	auc	Jilai	, .		un	<u> </u>							14.	STORAG	GE CAPA	CITY	(gall	ons)
	Association City / Town		☐ County ☐ Federal						vest ivat										•		Dis	trict					1,000			,
15		16 CE NAME		17 INTERTIE		S	OUF		18	В	EG	OR'	Y			19 USE	Ξ.	20			2 [.] EAT		NT		22 DEPTH	23	SOUR	24 CE LC	CAT	ION
Source Number	LIST UTILITY'S I AND WELL T Example: W IF SOURCE IS INTI LIST SEL	NAME FOR SO TAG ID NUMB	ER. 56	INTERTIE SYSTEM ID NUMBER	WELL	T	A WELL FIELD			PRINGFIELD	SEA WATER	SURFACE WATER	RANNEY / INF. GALLERY	OTHER	PERMANENT		EMERGENCY	SOURCE METERED		ON	FILTRATION		ATION (UV)	OTHER	DEPTH TO FIRST OPEN INTERVAL IN FEET	CAPACITY (GALLONS PER MINUTE)	1/4, 1/4 SECTION	SECTION NUMBER	TOWNSHIP	RANGE
S01	WELL #1				Х	I	\Box		\Box						Χ	_			Χ						35		SW SE	19	23N	06E
					Ц	\downarrow	\downarrow	\downarrow	_	_						\perp			Щ					Щ						
					${oxed{\sqcup}}$	4	\dashv	4	4	_			lacksquare	\vdash	L	\perp	L	_	Щ	_		_		Щ						_
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					Ш									L	L		L		Ш									<u> </u>		<u> </u>

WATER FACILITIES INVENTORY (WFI) FORM - Continued

1. SYSTEM ID NO.	2. SYSTEM NAME				3. (COUNTY				4. GRC	DUP	5. TYP	E	
38640 D KING COUNTY SHOP #2					KIN	G				В				
					DOH US CALCUI ACTI CONNE	LATED IVE	DOH US APPR CONNE							
25. SINGLE FAMILY RESIDENCES (How many of the following do you have?)										C)	Undetermined		
	ily Residences (Occupied 180 days or more						C							
Ü	illy Residences (Occupied less than 180 da		•					C)					
	IDENTIAL BUILDINGS (How many of the	following	g do you	have?)				1 -						
-	condos, duplexes, barracks, dorms					00.1./		C						
	Units in the Apartments, Condos, Duplexes Units in the Apartments, Condos, Duplexes	-						0						
	CONNECTIONS (How many of the follow				55 (11411 10	oo uays/ye	aı		,					
	and/or Transient Accommodations (Campsi			•	rniaht uni	ts)		0)	C)			
	cial/Business, School, Day Care, Industrial S							5		5				
			28. 1	TOTAL SE	RVICE C	ONNECT	IONS			5	5			
29. FULL-TIME RESIDE	NTIAL POPULATION													
A. How many residents a	re served by this system 180 or more days	per year?			0									
30. PART-TIME RESIDE	ENTIAL POPULATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	
A. How many part-time re	esidents are present each month?													
B. How many days per m	nonth are they present?													
31. TEMPORARY & TRA	ANSIENT USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	
	rs, attendees, travelers, campers, patients to the water system each month?	24	24	24	24	24	24	24	24	24	24	24	24	
B. How many days per m	nonth is water accessible to the public?	1	1	1	1	1	1	1	1	1	1	1	1	
32. REGULAR NON-RE	SIDENTIAL USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	
	aycares, or businesses connected to your students daycare children and/or ich month?													
B. How many days per m	onth are they present?													
33. ROUTINE COLIFORI	M SCHEDULE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	
* Requirement is exception	n from WAC 246-290													
34. NITRATE SCHEDUL	E		QUAR	TERLY			ANN	UALLY		10	NCE EVE	RY 3 YEA	RS	
(One Sample per source	by time period)													
35. Reason for Submitti	ing WFI:													
Update - Change Update - No Change Inac			∏Re-A	ctivate	☐ Nai	me Chang	је 🗌	New Syst	tem [Other				
36. I certify that the inf	formation stated on this WFI form is corr	ect to the	best of r	ny knowl	edge.									
SIGNATURE:		DATE:												
DDINT NAME:					TITI E:									

WS ID WS Name

38640 KING COUNTY SHOP #2

Total WFI Printed: 1

RETURN ADDRESS	食品自己的形形的复数的复数形
Goodnight Properties, Inc.	
P.O. Box 1347	20000624004259
Monroe, WA 98272	GOODNIGHT PROP COV 48.00 PAGE001 OF 004 05/24/2008 13:36
Please print neatly or type information	name country, and
Document Title(s)	
	TO ACKNOWLEDGE USE OF A
WELL FOR IRRIGATION PURPO	SES ONLY, AND NOT TO BE
CONNECTED TO POTABLE WA	
POTABLE WATER SOURCE	
Reference Number(s) of related documents
20051229000800	
	Additional Reference #'s on page 4
Grantor(s) (Last. First, and Middle Initial)	
Grantor(s) (Last, First, and Middle Initial) Goodnight, Gary D. Goodnight, Shelley M.	Additional grantors on page #'s
	t, block, plat or section, township, range,
Goodnight, Gary D. Goodnight, Shelley M. Legal Description (abbreviated form: i.e. lo quarter/quarter) Legal Description is attach	t, block, plat or section, township, range,
Goodnight, Gary D. Goodnight, Shelley M. Legal Description (abbreviated form: i.e. loquarter/quarter) Legal Description is attach	t, block, plat or section, township, range,
Goodnight, Gary D. Goodnight, Shelley M. Legal Description (abbreviated form: i.e. loquarter/quarter) Legal Description is attach	t, block, plat or section, township, range, ned on page 4
Goodnight, Gary D. Goodnight, Shelley M. Legal Description (abbreviated form: i.e. loquarter/quarter) Legal Description is attach 192306/SW-19-2 Assessor's Property Ta	t, block, plat or section, township, range, ned on page 4

DISCLAIMER REGARDING USE OF THIS FORM

This blank form is provided for informational purposes only and is not intended as a complete or legally sufficient form. Neither King County, Public Health – Seattle & King County, nor any of their officials and employees make any warranty of any kind, express or implied, in relation to any information on this form or any use made of this form by any person. No information on this form, nor any use made of this form shall create any liability on the part of King County, Public Health – Seattle & King County, or any of their officials or employees. As with any document affecting the rights and responsibilities of real property ownership, we recommend that you consult with your private legal counsel before filling out, signing, or making any other use of this form.

DECLARATION OF COVENANT TO ACKNOWLEDGE USE OF A WELL FOR IRRIGATION PURPOSES ONLY, AND NOT TO BE CONNECTED TO POTABLE WATER SOURCE OR USED FOR POTABLE WATER SOURCE

Know all men by these presents that I(we) the undersigned, owner(s) in fee simple of the land described herein, hereby doclare this covenant and place same on record. I(we), am(arc) the owner(s) in fee simple of (an interest in) the following described real estate situated in KING County, State of Washington, to wit: (INCLUDE LEGAL, PARCEL NUMBER & ADDRESS)

(See Pg 4 for legal description) Parcel # 1923069026

18825 Renton Maple Valley Rd, Renton, WA 98058

I (we) use water for non potable use only from an irrigation well located on said real estate, to-wit (PINPOINT THE ACCURATE LOCATION OF THE IRRIGATION WELL SITE, FOR EXAMPLE, 125 FEET OF THE SOUTH PROPERTY LINE AND 100 FEET EAST OF THE WEST PROPERTY LINE ALONG WITH THE PROPERTY LEGAL DESCRIPTION FOR THE PROPERTY ON WHICH THE IRREGATION WELL IS LOCATED).

100 FEET SOUTH OF THE NORTH PROPERTY LINE AND 450 FEET WEST OF THE EAST PROPERTY LINE AND 760 FEET EAST OF THE WEST PROPERTY LINE. (Legal Description is on page 4)

 I(We) covenant for myself (selves), and for any future purchasers, successors or assignees that this well is to be utilizes solely for irrigation purposes and is not to be connected to any potable water supplies.

 All original minimum set-back distances will apply to this well, including 100 feet from septic drainfields and other potential sources of contamination per WAC 173.160.171 or its successor.

This well will be utilized to irrigate not more than one-half acre in area of lawn or noncommercial garden as per RCW 90.44.050. waterworks is used for the purpose of furnishing irrigation water to the above real property decribed earlier in this document.

WITNESS DOCAL hand this 18th day of June 192009

State of Washington

County of Successful (Scal)

I, the undersigned, a Notary Public in and for the above named County and State, do hereby certify that on this 18th day of June 1920 Public in and for the above named County and State, do hereby certify that on this 18th day of June 1920 Public in and who executed the within instrument, and acknowledge that he (they) signed and scaled the same as 1920 Public in and who executed the within instrument, and acknowledge that he (they) signed and scaled the same as 1920 Public in and for the uses and purposes therein mentioned.

GIVEN under my hand and official scal the day and year last above written.

(Notary Public in and for the State of Washington, residing at 10 and 5 Public in and for the State of Washington, residing at 10 and 5 Public in and for the State of Washington, residing at 10 and 5 Public in and for the State of Washington, residing at 10 and 5 Public in and for the State of Washington, residing at 10 and 5 Public in and for the State of Washington, residing at 10 and 5 Public in and for the State of Washington, residing at 10 and 5 Public in and 5 Pub

This covenant shall run with the land and shall be binding on all parties having or acquiring any right, title, or interest in the land described herein or any part thereof, as long as said well or

Reference Number: 20051229000800: recorded into King County on 12/29/2005

This is the **King County Group B Water Use Agreement** for the <u>new</u> on site well system for the property in question.

Legal Description:

192306 26BEG 731 FT N SW COR GL 8 TH S83-38-00 E 665 FT TH N 06-28-00 E210 FT TO SLY MGN RENTON-MAPLE VALLEY RD TH W ALG SD RD TO W LNLOT 8 TH S TO BEG LESS C/M/ RGTSALSO E 950 FT OF GL 9 LY S OF RENTON- MAPLE VALLEY RD LESS C/M RG

Quarter Section Township Range

SW-19-23-6

Parcel Address:

18825 SE Renton Maple Valley Rd, Renton, WA 98058

APPENDIX C

Deceleration Lane Pavement Design Memo



Technical Memorandum

			Page 1 of 1
Date:	8-10-18	Project Manager:	Curtis Koger/ Matt Miller
To:	Lakeside Industries	Principal in Charge:	Curtis Koger
Attn:	Karen Deal	Project Name:	Lakeside Industries Maple Valley
Address:		Project No:	170017 E001
Subject:	Deceleration Lane Pavement Design		

Based upon information from the Traffic Impact Analysis (TIA) provided by TENW we have assumed the following for the analysis:

The Average Daily Traffic (ADT) in the Eastbound direction of 14,000 was used for the design. Since this is not the travel lane we dropped the ADT to one-half of the east bound traffic and increased the truck traffic to 40%.

The Washington State Department of Transportation Pavement Policy Manual Table 5.1, was referenced for pavement thickness. In the category of an Equivalent Single Axle Load (ESAL) in the range of 10,000,000 to 25,000,000 over the 20 year life of the pavement, the following pavement section is recommended:

- Hot Mix Asphalt = 0.83 feet (10 inches)
- Crushed Surfacing Base Course = 0.5 feet (6 inches)