

July 27, Addendum #2: Hood River County Drought Declaration

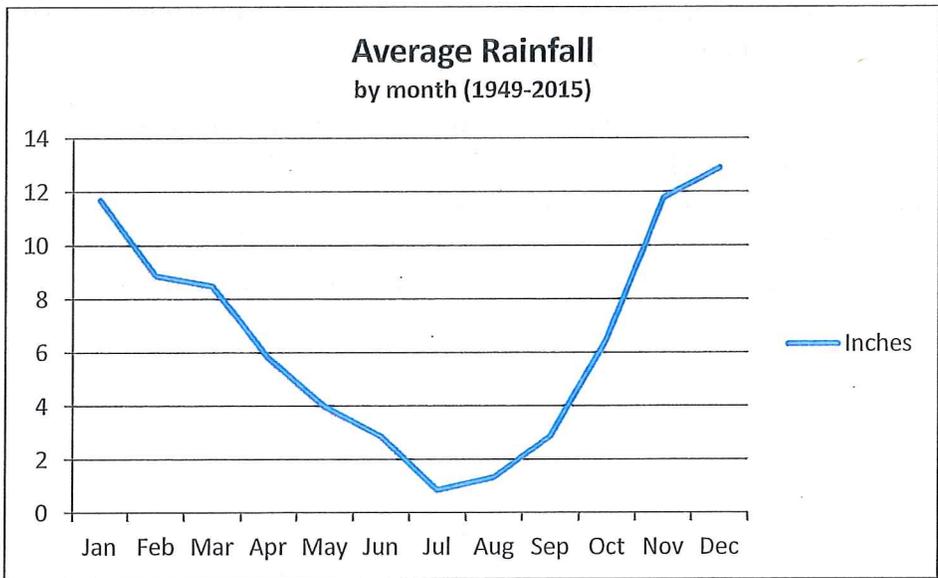
The Hood River County Commission met on Wednesday, June 24, and passed a resolution declaring all of Hood River County as a drought stricken area. The effect of this regulation is to allow the irrigation districts some latitude in water right permits and processes to get the limited water available to where it is needed. I have attached a map that shows the Hood River County water shed boundaries. The majority of Mt. Hood snow melt is captured in the Hood River basin, with some going into the White River basin and the Sandy River basin.

The City of Cascade Locks is a micro-climate. It is similar to Portland in that Portland gets its water from Bull Run almost exclusively from precipitation and not from snowmelt runoff from Mt. Hood. Cascade Locks gets its water entirely from the Dry Creek and Herman Creek watersheds. Those watersheds are fed entirely by precipitation. Drought is a “deficiency in precipitation over an extended period, usually a season or more, resulting in a water shortage. It is a normal, recurrent feature of climate that occurs in virtually all climate zones, from very wet to very dry.” (National Weather Service, May 2008)

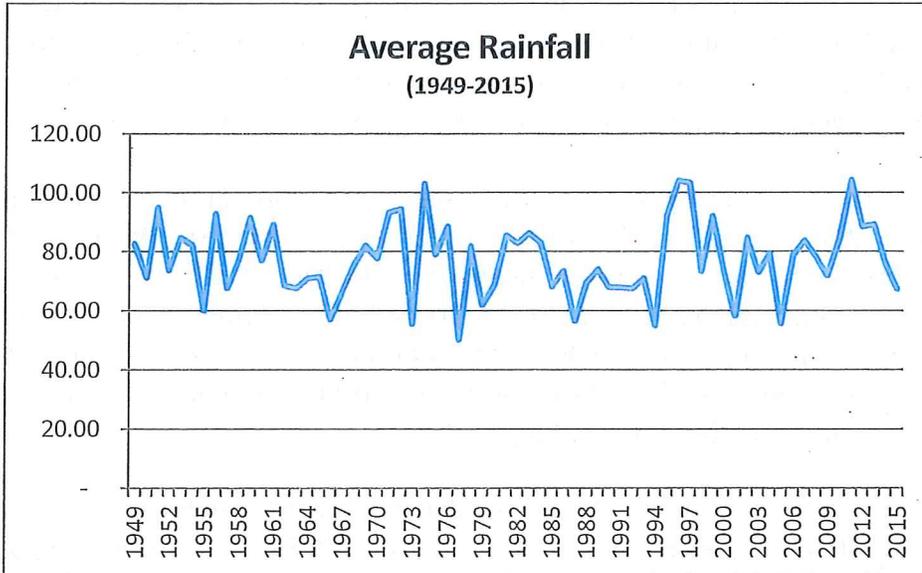
Cascade Locks has received 87% of the 77 inches of the average rainfall amount so far this water year (from October 1, 2014 to September 30, 2015), with four months left to go in the water year.

Please see the attached map from Pacific Groundwater Group that outlines the watersheds in Hood River County.

This graph shows the average rainfall by month for the last 65 years (as measured at Bonneville Dam.) We are just starting into the fall increase.

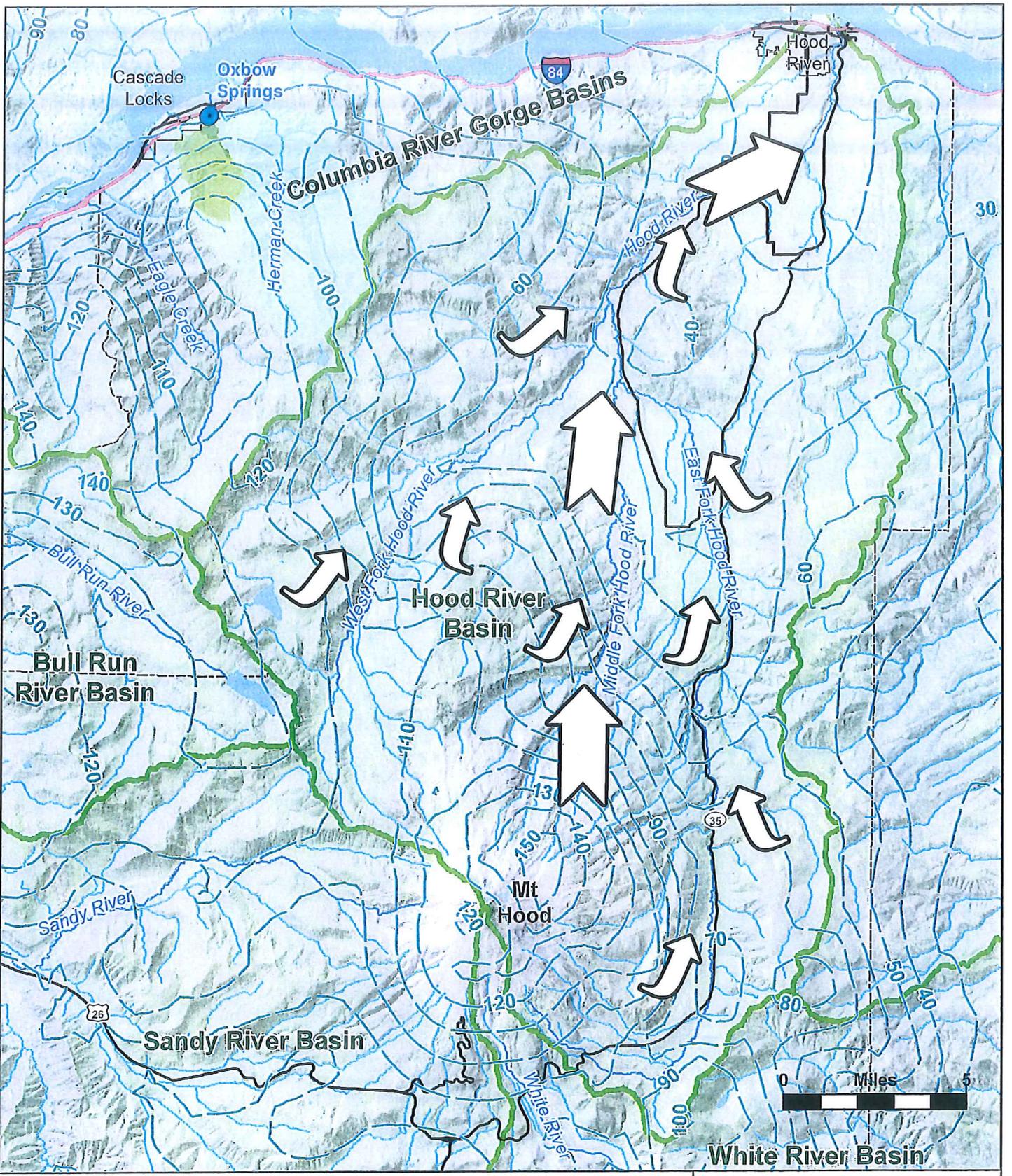


This graph shows the average rainfall by year since 1949. Only eight time in the last 65 years has the City received less than 60 inches of rainfall in a year, with the lowest year (1977) being 50.15 inches.



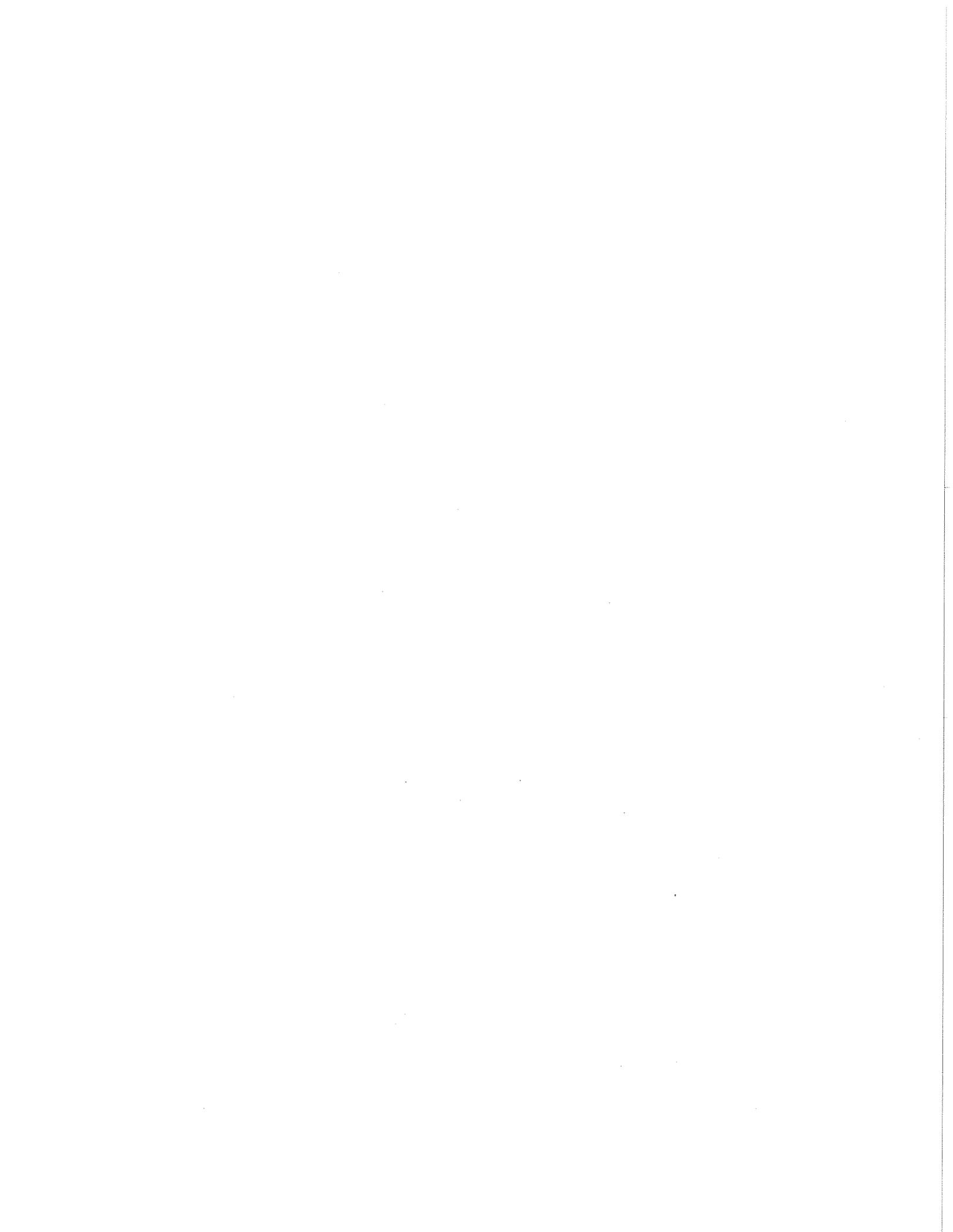
Streamflow and water quality studies indicate that Herman Creek is the primary source of recharge for the City well field. The low flow in Herman Creek and Little Herman Creek during August and September of 2011 was measured at 24.8 cubic feet per second (cfs), with the seepage into the aquifer of 7.4 cfs or 30%. This is 3.4 cfs more than the City's water right when the streams are at their lowest levels. This 7.4 cfs of natural seepage loss from Herman Creek and Little Herman Creek into the underlying aquifer is more than adequate for the community and for Nestlé. This is the time of the year when the creeks are at their lowest point. Our water comes from the precipitation we experience.

Since our wells are 104' and 110' deep, the pumps are 40' below the top of the aquifer. The top of the aquifer is determined by the level of the Columbia River. If the aquifer diminishes to the point that our well water is influenced by the Columbia River, the City will need to treat the water in a treatment plant that would cost \$2 million for every million gallons per day of production capacity. Hence the need to study the determine the influence of the Columbia on our aquifer.



- Spring Location
- Topographic Recharge Basins
 - Dry Creek Recharge Basin
 - Oxbow Springs Recharge Basin
 - Herman Creek Recharge Basin
 - Major Basin Boundaries (Modified from USGS National Hydrography Dataset)
- Average Annual Precipitation in inches (1981-2010, PRISM)
- Estimated Groundwater Flow Direction (from USBR DRAFT Hood River Basin Study, 2014)

Figure 1
Hood River County
Watershed Boundaries



Technical Memorandum

To: Dave Palais, Nestlé, Alyssa Moir, K&L Gates
From: Dan Matlock & Peter Schwartzman – Pacific Groundwater Group
Re: Description of Cascade Locks Groundwater Model
Date: July 17, 2015

The purpose of this memorandum is to provide a brief technical description of the groundwater flow model Pacific Groundwater Group (PGG) has developed for assessment of groundwater capture in vicinity of the City of Cascade Locks wellfield. Nestlé has offered to provide documentation of PGG's model to the City later this summer. This memorandum provides a brief overview of the model.

Key Characteristics of the Cascade Locks Groundwater Model

1. The model was developed using the U.S. Geological Survey (USGS) code MODFLOW2000. Evaluation of groundwater capture zones was assessed with the USGS particle tracking code MODPATH.
2. The model domain is about 4,000 feet long by 10,000 feet wide and extends from Dry Creek on the west to Government Cove on the east and from the Columbia River on the north to just south of I-84. On the east, west, and south sides of the model domain, the inactive regions represent the occurrence of bedrock that has relatively low permeability. On the north side of the model domain, the inactive region represents the Columbia River. The model represents the City's supply aquifer ("PAA Aquifer") with a single unconfined model layer.
3. Key boundary conditions represented in the model include:
 - a. Aerial recharge from precipitation is applied to the top of the PAA water table using MODFLOW's "recharge" boundary condition. Recharge values are based on published values of precipitation, evapotranspiration and assumptions regarding runoff.
 - b. Seepage-loss recharge from Herman and Little Herman creeks to the PAA are defined based on late summer seepage surveys and are represented as specified flux boundary conditions in model cells coincident with the streams.
 - c. Upgradient lateral inflow ("mountain-front recharge") entering the PAA from the Landslide Talus Slope (LSTS) Aquifer is represented using specified flux boundary conditions along the upgradient (south) side of the model.
 - d. Groundwater discharges to the Columbia River is currently represented as a constant head boundary condition. PGG may convert this to a MODFLOW "river" boundary condition to include a small component of lower-permeability "skin" along the riverbed
4. Aquifer properties (transmissivity and hydraulic conductivity of the PAA) were defined based on aquifer testing performed at the City's Well 1. PAA porosity was assumed to be 0.2.
5. The model was initially run in steady-state mode to represent late-summer, dry-season conditions. During model construction, limited calibration was performed by reducing average-annual precipitation and mountain-front recharge to account for dry-season reductions and by slightly increasing the

constant-head value for the Columbia River to represent riverbed skin effects. An acceptable match between observed and modeled heads/gradients was achieved.

6. For prediction of capture, PGG ran the model in a quasi-transient mode, with seasonal (monthly) variations in pumping superimposed upon otherwise steady dry-season recharge conditions. Because the potential for wellfield capture from the Columbia River is maximized during periods of low recharge, holding recharge at the seasonal year-round low is a conservative means of assessing capture from the Columbia River.
7. PGG's capture analyses also included sensitivity runs to assess uncertainties in recharge estimates.

Model Documentation

Documentation of the Cascade Locks Groundwater Model is underway. The summary report will present the following:

- The conceptual hydrogeologic model,
- Technical data collected by PGG in support of the conceptual model
- Model construction and calibration
- Results of predictive runs and sensitivity analysis

ⁱ Thin resistance layer that typically underlies a river due to settlement of fine grained particles into the river substrate.



MEMORANDUM

Project No.: 120117

October 25, 2012

To: Paul Koch, Interim City Administrator – City of Cascade Locks

From: Joseph N. Morrice, LHG
Associate Hydrogeologist

Timothy J. Flynn, LHG, CGWP
Principal Hydrogeologist

Re: City of Cascade Locks Well Capacity and Aquifer Sustainability Evaluation

Introduction

This memorandum presents an evaluation of the capacity of existing water supply wells (well field) owned by the City of Cascade Locks, Oregon (City) and the sustainability of the aquifer tapped by those wells. This memorandum was prepared by Aspect Consulting, LLC at the direction of the City to evaluate concerns about the impacts of increased demands on the City's water supply system in light of potential economic development opportunities for the City and Port of Cascade Locks.

It is our understanding that the City is considering a source exchange with the Oregon Department of Fish and Wildlife (ODFW) and Nestle Waters North America (Nestle) where the City would supply water from their well field to an ODFW fish hatchery and in turn a portion of water from Oxbow Spring currently serving the hatchery would be available for bottling by Nestle. This source exchange would provide economic development opportunities to the City and Port of Cascade Locks, while also providing ODFW with a more reliable water supply source for hatchery. The quantity of water planned for the source exchange is up to 0.5 cubic feet per second (cfs), or about 224 gallons per minute (gpm), as needed, based on hatchery requirements. Based on the water right exchange application filed with the Oregon Water Resources Department, increased deliveries of water from the City's system would be expected to occur from April through October.

Summary of Results

The sand and gravel alluvial aquifer tapped by the City's two water supply wells (Well No. 1 and Well No. 2) is highly productive and is capable of sustaining withdrawals well in excess of the City's current water use. The aquifer is recharged by water infiltrating from Herman Creek and likely to a lesser extent by induced flow from the Columbia River during pumping of the production wells. Increased withdrawals to serve the fish hatchery and future growth in City demand are not expected to result in significant reductions in groundwater elevations or otherwise reduce availability of water from the aquifer.

The extent to which increased well production will increase the flow induced from the Columbia River during pumping is uncertain and would require more detailed analysis (e.g., groundwater modeling), which is beyond the current scope of this work. However, given the magnitude of the

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increased well production required to meet the projected future demand under the source exchange proposal, the potential increased capture of Columbia River water may affect water quality of the City's well field.

The primary constraint on the City's production capacity is the maximum pump size that can be installed in the existing wells. The City's wells are highly efficient, showing minimal drawdown (decrease in water level) during pumping. The City's water supply wells (Well No. 1 and Well No. 2) are equipped with pumps reportedly capable of producing 450 and 500 gpm, respectively. Sizing of pumps to increase yield is beyond the current scope of work; however, it is expected that yield from the larger diameter Well No. 1 (14-inch diameter) could be increased to 1,000 gpm or more by replacing the existing pump. It is unclear whether a higher capacity pump could be installed in Well No. 2, but this option should be considered if the City needs to further increase well yields. Alternatively, constructing a third production well tapping the same aquifer would readily increase the City's water supply capacity with minimal impacts to water levels in the aquifer.

The following sections provide an overview of hydrogeologic conditions and well construction and testing that form the basis of the conclusions discussed above.

Hydrogeologic Conditions

The City's water supply wells (Well No. 1 and Well No. 2) are completed in a shallow, highly productive, sand and gravel alluvial aquifer. The aquifer is formed by alluvial deposits along the banks of the Columbia River, and overlies Columbia River Basalts and consolidated mudflow deposits of the Eagle Creek Formation. The unconsolidated alluvial deposits are at least 100 feet thick near the City's wells, with a saturated thickness of at least 50 feet. Based on the surficial geology of the area and driller's logs of nearby wells, the alluvial aquifer appears to form a wedge that pinches out about 2,000 feet south of the City's wells near Interstate Highway 84.

The alluvial aquifer is recharged by infiltration of precipitation, infiltration of surface water from Herman Creek, and likely from groundwater discharge from the underlying basalt and from springs along the southern margin of alluvium. Based on groundwater levels and the elevation of Herman Creek, the creek appears to be perched above the saturated alluvial aquifer, rather than in direct connection with the aquifer. As a result, water is expected to be lost from the creek to the aquifer along much of the creek channel. Pacific Groundwater Group (PGG) measured stream flows in Herman Creek in September and October of 2010 and 2011 and estimated losses from the creek to the aquifer on the order of about 4 to 10 cfs (1,800 to 4,500 gpm). These measurements coincide with expected low flows in Herman Creek, and similar or higher losses from the creek to the aquifer are expected during winter and springtime flows.

The alluvial aquifer is hydraulically connected to the Columbia River. Water level monitoring data collected by PGG from City Well No. 1 and a well owned by the Port of Cascade Locks from September 2011 to January 2012 show groundwater levels in the aquifer responding to changes in Columbia River stage. Because of this connection, pumping of the City's wells may induce flow of water from Columbia River into the aquifer. However, based on a comparison of available river versus aquifer water quality, water from the Columbia River does not appear to be reaching the City's wells and affecting water quality under current pumping conditions.

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The driller's logs for the City's wells indicate depth to water at the time of drilling (1969) was about 61 feet below ground surface (bgs). On August 31, 2011, PGG measured depth to water in Well No. 1 as about 60 feet bgs, or slightly higher than when the wells were first drilled. There do not appear to be any long-term declines in aquifer water levels, as would be expected given the recharge from Herman Creek and hydraulic connection to the Columbia River.

Conventional water chemistry data (e.g., chloride, sulfate, calcium, magnesium, etc.) from Well No. 1, Oxbow Springs, Herman Creek, and the Columbia River were assembled by PGG and plotted on what is known as a Piper diagram, or trilinear plot. Piper diagrams allow for easy visual comparison of water chemistry data from different sources. The data presented by PGG indicate that water from Oxbow Springs, Herman Creek, and Well No. 1 have the same conventional chemistry signatures, including low total dissolved solids (TDS) concentrations. Water from the Columbia River has a different water quality signature and significantly higher TDS concentrations than that observed in groundwater. These data support the conclusion that groundwater withdrawn by the City's wells at the current level of production to meet demand, is primarily recharged by Herman Creek and Oxbow Springs, with little to no contribution from the Columbia River.

One concern expressed by the City Council is whether increased production will induce additional flow from the Columbia River and affect water quality captured by the City's wells. This concern is difficult to definitively address without a more intensive evaluation, such as numerical groundwater flow modeling. However, comparison of current groundwater withdrawals to the increased demand from the hatchery use gives some indication of the potential for inducing flow from the Columbia River. Based on a conversation with City staff, withdrawals currently average about 8 million gallons per month, or about 260,000 gallons per day (gpd). Assuming continuous use by the hatchery, 0.5 cfs equates to an increase in demand of about 320,000 gpd, more than doubling current demand. Given the magnitude of the increased demand relative to current demand, there is a potential for increased capture of Columbia River water that may affect water quality of the City's well field.

Well Construction and Options to Increase Production

The City's two supply wells are located approximately 700 feet from the Columbia River. Well No. 1 is a 14-inch diameter, 110-foot deep well, with slotted casing open to the alluvial aquifer between depths of 80 and 103 feet. Well No. 2 is an 8-inch diameter, 104-foot deep well, with slotted casing open to the aquifer between depths of 75 and 100 feet. Both wells were completed in 1969. Depth to water in each well was about 61 feet at the time of construction.

The driller's log for Well No. 1 indicates that a pumping test was conducted in 1969 at a rate of 1,000 gpm with 0.2 feet of drawdown after 24 hours. This equates to a specific capacity (pumping rate divided by drawdown) of 5,000 gallons per minute per foot (gpm/ft). The driller's log for Well No. 2 indicates it was originally tested at a rate of 600 gpm, with 1 foot of drawdown after 8 hours, equating to a specific capacity of 600 gpm/ft. Based on a conversation with City staff, Well No. 1 is currently equipped with a pump capable of producing 450 gpm, and Well No. 2 is equipped with a pump capable of producing 500 gpm.

In August 2011, PGG performed a very short-duration (12 minute) pumping test at Well No. 1. The well was pumped at a rate of approximately 440 gpm using the existing pump. Drawdown stabilized at about 0.08 feet, for a specific capacity of about 5,500 gpm/ft. Based on these results, the specific capacity and efficiency of Well No. 1 do not appear to have decreased over time.

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Given the minimal drawdown observed during pumping of the City's wells, the water transmitting capacity (transmissivity) of the aquifer and the efficiency of the wells are not limiting factors on the maximum withdrawal rates that could be sustained. Instead, the primary constraint is the well casing diameter and the resulting pump size that can be installed in the wells. Sizing of pumps is beyond the scope of this work, but based on the diameter of Well No. 1 and the relatively shallow depth to water, we expect that yields of 1,000 gpm or greater could be realized from this well with minimal increases in drawdown and without reducing long-term availability of water from the aquifer.

Limitations

Work for this project was performed and this memorandum prepared in accordance with generally accepted professional practices for the nature and conditions of work completed in the same or similar localities, at the time the work was performed. This memorandum does not represent a legal opinion. No other warranty, expressed or implied, is made.

All reports prepared by Aspect Consulting are intended solely for City of Cascade Locks and apply only to the services described in the Agreement with Client. Any use or reuse by Client for purposes outside of the scope of Client's Agreement is at the sole risk of Client and without liability to Aspect Consulting. Aspect Consulting shall not be liable for any third parties' use of the deliverables provided by Aspect Consulting. Aspect Consulting's original files/reports shall govern in the event of any dispute regarding the content of electronic documents furnished to others.

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Aspect Consulting, LLC

Terms and Conditions

1. RIGHT OF ENTRY AND PROPERTY RESPONSIBILITY

The Client will obtain right of entry to the property where the Services are to be performed ("Property"). The right of entry shall allow Aspect Consulting and its subcontractors to enter the Property to perform the Services. Aspect Consulting is responsible for its own activities, but has no responsibility for the Property, for third party safety precautions, or for the safety or control of third parties.

2. SUBSURFACE RISKS AND SITE DAMAGES

Client recognizes special risks exist whenever professional consulting services are employed to determine the composition of a site's subsurface or to determine the existence or non-existence of any man-made or natural subsurface features, including, but not limited to, hazardous substances. Client shall disclose to Aspect Consulting all known conditions, substances, or features in writing or in maps, plans or drawings. Even with adequate disclosure by Client, Client acknowledges that the use of exploration and testing equipment may unavoidably damage or alter the Property surface or subsurface and Client accepts this risk. Client assumes responsibility for claims and/or damages arising from changed or differing site conditions or to subsurface structures, including buried utility lines, pipes, tanks, tunnels, or other conditions and agrees to hold harmless, defend and indemnify Aspect Consulting and its subcontractors from any such claims and/or damages, including attorney fees, except to the extent directly caused by the negligence of Aspect Consulting or its subcontractors.

3. HAZARDOUS SUBSTANCES

Client shall provide Aspect Consulting with all information available to Client concerning past and present use of the Property and the nature and extent of any known or suspected hazardous substances or conditions, prior to Aspect Consulting performing the Services. Unless expressly stated otherwise in the Agreement, Client acknowledges that Aspect Consulting has no liability as a generator, operator, transporter, disposer, or arranger of the transportation and/or disposal of hazardous substances from the Property. Client agrees to hold harmless, defend and indemnify Aspect Consulting and its subcontractors from any claims and/or damages, including attorney fees, arising out of the presence, release, or threatened release of hazardous substances on or from the Property, except to the extent directly caused by the negligence of Aspect Consulting or its subcontractors.

4. SLOPE STABILITY

Client recognizes risks are inherent with any site involving slopes. Client accepts full responsibility for these risks. Client acknowledges that the information obtained or recommendations made by Aspect Consulting may help to reduce Client's risk but no amount of engineering or geologic analysis can assure slope stability. Therefore, Client agrees to hold harmless, defend and indemnify Aspect Consulting and its subcontractors from any claims and/or damages, including attorney fees, arising out of or related to slope movement, except to the extent directly caused by the negligence of Aspect Consulting or its subcontractors.

5. SAMPLE DISPOSAL / WELL DECOMMISSIONING

5.1 Aspect Consulting may dispose of any samples obtained from the Property 30 calendar days after the issuance of any document that includes the data obtained from the sample, unless other arrangements are mutually agreed upon in writing. Unless expressly stated otherwise in the description of Services, the disposal cost for samples is not included in any cost estimate for the Services. Client acknowledges the difficulty in determining disposal costs in advance and authorizes Aspect Consulting to bill Client for expenses incurred in disposing of samples obtained from the Property.

5.2 Any wells installed as part of Aspect Consulting's work may later need to be properly decommissioned and recorded in accordance with applicable law. Unless expressly stated otherwise in the description of Services, well decommissioning and recording are not included in the Services to be performed by Aspect Consulting.

6. OWNERSHIP OF DOCUMENTS / WORK PRODUCT

6.1 Data, reports or information provided by Aspect Consulting under this Agreement shall only become the property of Client upon full payment for the Services. After full payment, Aspect Consulting shall retain joint ownership of all such information. Aspect Consulting shall retain copies of the original electronic files and/or hardcopy versions of information provided by Aspect Consulting or by Client. Aspect Consulting's originals shall govern in the event of any dispute regarding the content of electronic media furnished to others.

6.2 All reports prepared by Aspect Consulting under this Agreement are intended solely for the Client and apply only to the Services. Any use or reuse by Client for purposes outside of this Agreement is at the sole risk of Client and without liability to Aspect Consulting. Aspect Consulting shall not be liable for any third parties' use of the deliverables provided by Aspect Consulting.

6.3 Aspect Consulting is entitled to rely upon the completeness and accuracy of reports, documents, drawings, plans and other information furnished by Client concerning the Property or the project that is the subject of this Agreement.

6.4 In the event Aspect Consulting is required to respond to legal process related to the Services for Client, Client agrees to reimburse Aspect Consulting its current hourly charges for personnel involved in the response and attorney fees reasonably incurred in obtaining advice concerning the response, preparation to testify, and appearances related to the legal process, travel and all reasonable expenses associated with the litigation.

6.5 Unless a different time period is stated in the Agreement, Aspect Consulting shall retain records in accordance with Aspect Consulting's records retention policy.

7. PAYMENT TERMS

Invoices shall be submitted to Client upon completion of the Services, or if Services extend beyond 30 days, on a monthly basis for the preceding months work. Billing corrections must be requested within 30 days of invoice date. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) (or the maximum rate permissible by law, whichever is lesser) per month or portion thereof from the due date until the date of payment. All fees will be charged or billed directly to Client. Aspect Consulting will not bill a third party without a statement, signed by the third party, accepting payment responsibility. In the event a third party fails to pay, Client shall remain liable for all unpaid invoices for the Services. Aspect Consulting may suspend work and/or withhold delivery of data for Services in the event Client fails to pay its invoices. Client shall be responsible for all costs and expenses of collection including reasonable attorney's fees.

8. PERFORMANCE AND WARRANTY LIMITATION

Aspect Consulting will perform all Services consistent with recognized standards of professionals in the same locality and involving similar conditions. **ASPECT CONSULTING MAKES NO OTHER WARRANTIES OR GUARANTEES OF ANY KIND, EXPRESS OR IMPLIED, IN CONNECTION WITH THE SERVICES.** No representative of Aspect Consulting is authorized to give or make any other representation or warranty in any way, in connection with the Services. Aspect Consulting shall not be liable for any failure or delay in performance by Aspect Consulting resulting, in whole or in part, from any cause beyond the reasonable control of Aspect Consulting.

9. INSURANCE / LIMITATION OF LIABILITY

9.1 Aspect Consulting maintains primary General Liability Insurance for bodily injury and property damage with a limit of \$1,000,000 per occurrence and \$2,000,000 aggregate. Aspect Consulting maintains Professional Liability insurance to provide coverage for liability resulting from professional errors and omissions.

9.2 Aspect Consulting's liability to Client for bodily injury or property damage covered by Aspect's General Liability Insurance policy shall be limited to the proceeds available from the primary General Liability Insurance policy. The liability of Aspect Consulting, its manager, members, professionals, employees, and subcontractors to the Client for damages, including attorney fees, resulting from an act, error or omission in providing or failing to provide professional services, whether based in tort (including negligence) or in contract, shall be limited to the greater of \$50,000 or the amount of compensation paid to Aspect Consulting under this Agreement, unless higher limits are agreed upon in writing. In no event shall either party be liable to the other party, for any consequential or incidental damages, including, without limitation, damages for loss of income, loss of profits and/or loss or restriction of use of the Property.

10. TERMINATION

Suspension or termination of all or any part of the Services may be initiated by Client; however Client shall be responsible for all fees owed Aspect Consulting for Services performed by Aspect Consulting, including all direct costs and all expenses incurred or committed that cannot be cancelled without penalty as well as reasonable termination expenses, prior to Aspect Consulting's receipt of written notice from Client. Either party may terminate this Agreement for cause in the event of the other party's substantial or material failure to perform in accordance with the terms hereof, through no fault of the terminating party. Except for termination arising out of delinquency in payment, a termination for cause shall not be effective unless: (i) not less than seven days' written notice of intent to terminate has been provided; (ii) the notice specifies all reasons for the termination; and (iii) the notified party is given an opportunity to consult with the terminating party to discuss the termination and to cure the substantial failure before the expiration of the period specified in the written notice.

11. MISCELLANEOUS PROVISIONS

11.1 These Terms and Conditions, together with the Contract Agreement, the Schedule of Charges, and any additions or revisions agreed upon in writing by the parties, form the entire Agreement and control over all previous communications, representations, or agreements, either verbal or written, between Client and Aspect Consulting.

11.2 Client and Aspect Consulting agree to use their best efforts to resolve any disputes, claims or other matters in controversy arising under or related to this Agreement.

11.3 These Terms and Conditions shall be governed by the laws of the State of Washington. The sole venue for any legal action related to this Agreement shall be King County, Washington.

11.4 The unenforceability of any term or condition herein shall not affect the validity or enforceability of the remainder to these Terms and Conditions; the intent of the parties being the provisions be severable. The section headings of these Terms and Conditions are intended solely for convenience and do not define or affect these Terms and Conditions or their interpretation. No waiver by either party of any provision, term or condition hereof or of any obligation of the other party hereunder shall constitute a waiver of any subsequent breach or other obligation.

Effective January 2015

**ASPECT CONSULTING, LLC
SCHEDULE OF CHARGES**

Unless otherwise stated in the proposal or services agreement, current rates are as follows:

Personnel Charges – Engineers and Scientists

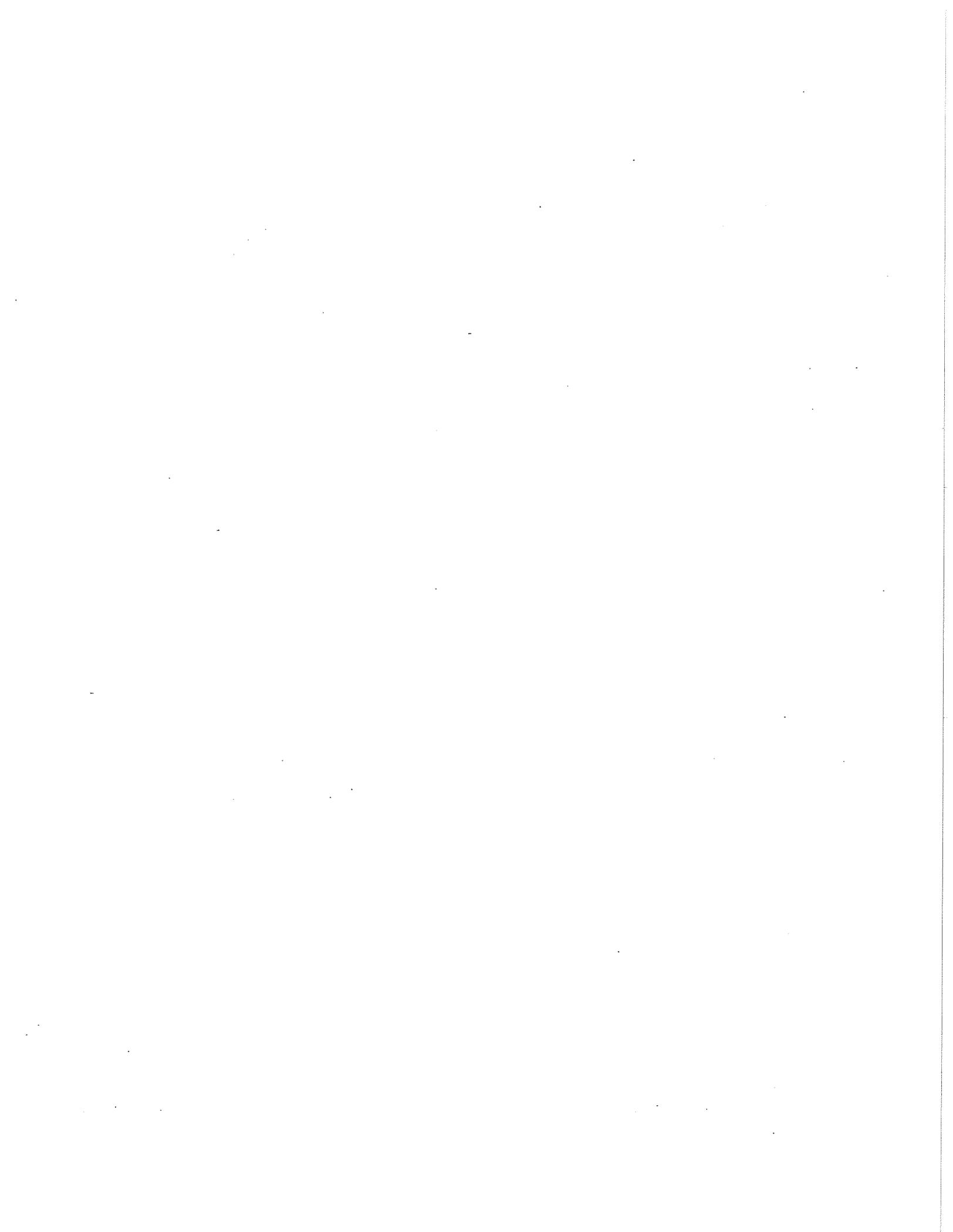
Principal	\$201.00 to \$209.00/hour
Sr. Associate	\$188.00/hour
Associate	\$175.00/hour
Senior	\$151.00/hour
Sr. Project.....	\$141.00/hour
Project.....	\$129.00/hour
Sr. Staff.....	\$113.00/hour
Staff.....	\$99.00/hour
Construction Supervisor.....	\$101.00/hour
Technician.....	\$77.00/hour
Legal Testimony (4-hour minimum).....	\$300.00/hour

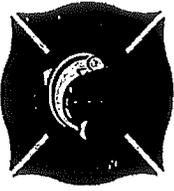
Other Personnel and Disbursement Charges

Sr. GIS/CAD Specialist	\$104.00/hour
GIS/CAD Specialist.....	\$94.00/hour
Sr. Technical Editor	\$100.00/hour
Project Assistant	\$76.00/hour
Four-wheel Drive Field Vehicle	\$110.00/day (w/up to 100 miles)
Mileage	federal gov't rate plus 15%
Subcontractors and Miscellaneous Expenses.....	cost plus 15%
Communications Charge (phones, fax, computer, in-house [B/W] reproduction, mailing).....	4% of total labor

Oversize CAD/GIS Plots..... \$2.00/Sq. Ft.

Other equipment rental and expenses will be provided on a per job basis.





AGENDA ITEM NO 5e

STAFF REPORT

Date Prepared: 07-06-15

For City Council Meeting on: 7/13/2015

TO: Honorable Mayor and City Council

PREPARED BY: Captain Jesse Metheny

APPROVED BY: Gordon Zimmerman

SUBJECT: Leave of Absence August 17th –December 1st 2015

SYNOPSIS: "Action expresses priorities." — Mahatma Gandhi

This report is to inform you of some temporary adjustments to the Station Captain position with the Emergency Services Department.

I would like to accept an assignment with my faith based organization to help where the need is greater for a period of approximately 3 months this fall. I am requesting a leave of absence to begin August 17, 2015. I would return to work as soon as our assignment is finished, likely the first week of December. During my sabbatical, I can be contacted remotely through email or telephone to help support the Emergency Services Department.

If this leave is approved, one of our volunteer Lieutenants, Jessica Bennett, would be offered a temporary position under a Personal Services Agreement to assist with management and other duties in my absence. A contract price of \$2,000 per month would be reasonable as we are also paying for her school full time and have an internship agreement in place for covering station duties and calls. Along with our Firefighter Paramedic, Gary Stallings, these two individuals should be able to manage the day to day operation in my absence. They have demonstrated professional competence and have a proven track record of community loyalty and professionalism. Our call volume generally decreases after August and stays below average through November as cool and wet weather sets in.

BACKGROUND INFORMATION:

My faith and strong spiritual convictions have made me who I am today and continue to be the guiding force in my life and decisions. I truly enjoy my career here with the City because I am able to help so many in their time of need. I have been there for our citizen's best, and worst, days of their lives. I feel that I can help them on a temporary basis to relieve pain and suffering, improve their quality of life, or help make them safe and comfortable for the time I am with them.

By sharing my faith with others I feel I can have a much more lasting impact on their lives. There is a greater need in many areas of the world for not only the care a paramedic can provide, but also for the spiritual comfort and hope one needs to survive. I have always felt that my wife and I need to strive to keep our priorities in life, faith, family, and work all in their proper place. This sabbatical I am requesting



will help us keep our priorities firmly fixed in our minds as well as giving us the opportunity to help others gain life sustaining help. I hope that I am always available to assist others who need help while my wife and I have the youth and energy to do these things.

I realize the inconvenience and problems that come with leaving for an extended period of time and understand whatever decisions the council may come to in the best interest of the City. I love calling Cascade Locks home and will return upon completion of this temporary assignment to my regular duties.

Thank you for your time and consideration.

Station Captain Jesse Metheny

CASCADE LOCKS STAFF REPORT

Date Prepared: July 20, 2015

For City Council Meeting on: July 27, 2015

TO: Honorable Mayor and City Council

PREPARED BY: Gordon Zimmerman, City Administrator

SUBJECT: Approve Res. 1334 for SCA Grant for Forest Lane

SYNOPSIS: Every two years the Oregon Department of Transportation makes limited funds available to small cities for road repairs. Two years ago the City used SCA (Small City Allotment) funds to rebuild Regulator Street. This year we would like to improve two different sections of Forest Lane that are in the worst shape – WaNaPa to Clark and Cragmont to Pleasant. The pavement condition index (PCI) has these sections rated from 28 to 48 which is poor.

This application is for Forest Lane cracksealing and 1.5" Asphalt Overlay feathered to the shoulder from:

WaNaPa to Clark	0.09 mi X 35' width	Current PCI 48	Est. Cost \$25,344
Cragmont to Pleasant	0.2 mi X 35' width	Current PCI 28-33	Est. Cost <u>\$39,426</u>
			Total \$64,770

By making these improvements as indicated in the application, the PCI would improve to 72 to 78 for the stretch from WaNaPa to Jackson Roberts Road, which is fair condition. These repairs would be done after the water project is concluded. In another two years, we could apply for a grant to chip seal Forest Lane from WaNaPa to Jackson Roberts which would maintain this arterial in pretty good shape. That chip sealing would cost an estimate \$72,000.

The application is due by July 31.

CITY COUNCIL OPTIONS: Approve or reject the application.

RECOMMENDED MOTION: "I move to approve the SCA application for the repair of portions of Forest Lane during the summer of 2016."

Financial Review: The grant would cover \$50,000. We have \$10,000 in the budget for road repairs. The remaining \$4,770 would need to come from contingency or depending on the timing, from next year's budget, if we are successful with the grant application.



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