



**CITY OF ILWACO  
CITY COUNCIL MEETING  
Monday, January 25, 2016**

**6:00 p.m. REGULAR COUNCIL MEETING**

**AGENDA**

**A. Call to order**

**B. Flag Salute**

**C. Roll Call**

**D. Approval of Agenda**

**E. Consent Agenda**

All matters, which are listed within the consent section of the agenda, have been distributed or made available for review to each member of the council prior to the meeting. Items listed are considered routine and will be enacted with one motion unless a council member specifically requests it to be removed from the Consent Agenda to be considered separately. The staff recommends the approval of the following items:

1. Approval of Minutes (TAB 1)
  - a. January 11, 2016 Regular Meeting
2. Claims & Vouchers (TAB 2)
  - a. Checks: 38565 to 38566 + electronic payments \$17,614.39
  - b. Checks: 38567 to 38598 \$101,703.82

GRAND TOTAL: \$119,318.21

**F. Reports**

1. Staff Reports (TAB 3)
  - a. Treasurer's Report
2. Council Reports
3. Mayor's Report

**G. Comments of Citizens and Guests Present**

At this time, the mayor will call for any comments from the public on any subject not on the agenda. Please limit your comments to five (5) minutes. The City Council does not take any action or make any decisions during public comment. To request an item be added to a future agenda, please contact the city clerk for the council rules of procedure for agenda items.

**H. Business**

**I. Discussion**

- 1. Temporary Stockpile Removal (TAB 9)- *Chambreau*
- 2. Source Watershed Control Plan (TAB 10) – *Cassinelli*
- 3. Appointing a Mayor Pro-Tempore (TAB 11) – *Cassinelli*
- 4. Promotion for Water Plant Operator (TAB 12)– *Cassinelli*

**J. Correspondence and Written Reports**

**L. Future Discussion/Agendas**

- 1. Shoreline Master Program - *Cassinelli*
- 2. Comprehensive Plan Amendment – *Cassinelli*
- 3. Neighborhood Preservation Ordinance - *Cassinelli*
- 4. Ordinance Amending Title 8 – Health and Safety - *Cassinelli*

**M. Adjournment**

**N. Upcoming Meetings**

COUNCIL/COMMISSION	PURPOSE	DAY	DATE	TIME	LOCATION
City Council	Regular Meeting	Monday	02/08/16 02/22/16	6:00 p.m.	Community Building
City Council	Workshop – SMP	Monday	02/08/16	4:00 p.m.	Community Building
Planning Commission	Regular Meeting	Tuesday	02/02/16	6:00 p.m.	Community Building
Parks & Rec. Commission	Regular Meeting	Tuesday	02/09/16	6:00 p.m.	Fire Hall
Port/City Meeting	Regular Meeting	Tuesday	03/08/16	5:00 p.m.	Port Meeting Rm



**CITY OF ILWACO  
CITY COUNCIL MEETING  
Monday, January 11, 2016**

**A. Call to Order**

1. Mayor Cassinelli called the meeting to order at 6:00 p.m.

**B. Flag Salute**

1. The Pledge of Allegiance was recited.

**C. Roll Call**

1. Present: Councilmembers Jensen, Karnofski, Marshall, Chambreau, Forner and Mayor Cassinelli.

**D. Approval of Agenda**

1. **ACTION: Motion to approve the amended agenda, with the addition of discussion item "Administrative Interpretation". (Chambreau/Karnofski) 5 Ayes 0 Nays 0 Abstain.**

**E. Approval of Consent Agenda**

1. Including Checks 38513 to 38520 + Electronic totaling \$38,366.03, Checks: 38511, 38512 and 38546 to 38564 totaling \$133,582.32 and Checks: 38521 to 38545 totaling 27,725.69 for a grand total of \$199,674.04.  
**ACTION: Motion to approve the consent agenda. (Marshall/Jensen) 5 Ayes 0 Nays 0 Abstain.**

**F. Reports**

**1. Staff Reports**

**i. Fire Chief Report**

The siren has been fixed, the department continues to improve on internal policies.

**ii. Police Chief Report**

Included in the packet.

**iii. Parks & Recreation Commission**

Regular Meeting January 12<sup>th</sup> at 6pm at the Fire Hall.

**2. Council Reports**

- i. Councilmember Marshall reported that the data was recovered from the fire hall computer's hard drive. Councilmember Forner wanted to congratulate the Seattle

Seahawks on a close win.

### 3. Mayor's Report

- i. Mayor Cassinelli wanted to inform everyone that the generator at the community building is now up and running, there will be a timer placed on it so that it runs once a month.

## G. Comments of Citizens and Guests Present

1. None

## H. Business

### 1. Public Records Act Rules and Procedure

**ACTION: Motion to enact this resolution establishing rules and procedures for Public Records Requests for the City of Ilwaco with the modification to section 6A requiring that the Public Records Officer keep a log of all time spent on each request. (Jensen/Forner) 5 Ayes 0 Nays 0 Abstain**

### 2. Contract with Mark Scott for GIS Sewer Utility Data Development

**ACTION: Motion to approve the Mayor to enter into a contract with Mark Scott for 2016 GIS Sewer Utility Data Development (Chambreau/Forner) 5 Ayes 0 Nays 0 Abstain**

### 3. EDC Contract for Technical Services

**ACTION: Motion to approve the Mayor to enter into a contract with the Pacific County Economic Development Council for 2016 Technical Services (Marshall/Chambreau) 5 Ayes 0 Nays 0 Abstain**

## I. Discussion

### 1. Public Records Act Rules and Procedure

Mayor Cassinelli presented this item, then turning the discussion over to City Attorney Heather Reynolds. There were multiple questions surrounding this topic, some of which were regarding cost to recreate, produce and provide a document. There was also discussion about the time limit established in the rules and procedures, Heather cited two court cases that pertained to this topic. Discussion ensued.

**ACTION: Move to business at this meeting (Marshall/Jensen) 5 Ayes 0 Nays 0 Abstain**

### 2. Shoreline Master Program Update

Mark Daniel from the Watershed Company presented this item as he has been working on the project for almost three years now. He explained the history of this document and went through the current project timeline. There were some questions posed to Mark, but ultimately it was decided that a workshop would be most appropriate. **ACTION: None at this time.**

### 3. Contract with Mark Scott for GIS Sewer Utility Data Development

Councilmember Jensen presented this item and described the amount of detail that is included. He mentioned that this mapping system would be helpful with new development within the City. Some discussion followed, with emphasis on how

beneficial this would be to the City. **ACTION: Move to business at this meeting (Marshall/Chambreau) 5 Ayes 0 Nays 0 Abstain**

**4. EDC Contract for Technical Services**

Mayor Cassinelli presented this item, stating how important the EDC is to our community. He also mentioned the meetings that he attends to represent the City in a County-wide atmosphere. **ACTION: Move to business at this meeting (Marshall/Karnofski) 5 Ayes 0 Nays 0 Abstain**

**5. Administrative Interpretation**

Councilmember Chambreau presented this item, beginning with a timeline of events and an explanation of the situation. Portions of the administrative interpretation were cited and the Council discussed the next possible action of the City.  
**ACTION: None taken**

**J. Future Discussion/Agendas**

1. Sewer Conservation Loan Program – *Karnofski*
2. Personnel Policy – Termination Process – *Jensen/Karnofski*
3. Neighborhood Preservation Ordinance – *Cassinelli*
4. Ordinance Amending Title 8 – Health and Safety – *Cassinelli*
5. Ordinance Amending Critical Areas – *Cassinelli*
6. Fence Height – *Jensen*
7. Ordinance Establishing Conditional Use Permit Extensions – *Cassinelli*

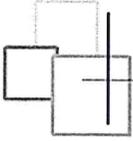
**K. Motion to adjourn the meeting (Forner)** Mayor Cassinelli adjourned the meeting at 7:26 p.m.

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Mike Cassinelli, Mayor

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Ariel Smith, Treasurer



# Register

Number	Name	Fiscal Description	Amount
38565	Fero, Jimmie W	2016 - January - Second Meeting	\$1,116.41
38566	AFLAC Remittance Processing	2016 - January - Second Meeting	\$563.84
Alderman, Johnny	ACH Pay - 1755	2016 - January - Second Meeting	\$1,770.12
Beller, Holly Celeste	ACH Pay - 1756	2016 - January - Second Meeting	\$1,436.42
Benson, Austin	ACH Pay - 1757	2016 - January - Second Meeting	\$1,078.05
Gray, Richard Roy	ACH Pay - 1759	2016 - January - Second Meeting	\$2,125.23
Mc Kee, David A	ACH Pay - 1760	2016 - January - Second Meeting	\$1,754.79
Richardson, Troy	ACH Pay - 1761	2016 - January - Second Meeting	\$1,399.81
Smith, Ariel	ACH Pay - 1762	2016 - January - Second Meeting	\$1,646.95
Staples, Terri P	ACH Pay - 1763	2016 - January - Second Meeting	\$445.85
EFT 1-20-15	U.S. Treasury Department	2016 - January - Second Meeting	\$4,276.92
			<b>\$17,614.39</b>

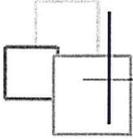
Treasurer

38565 through 38566 and electronic payments totalling \$17,614.39 are approved this 25th day of January, 2016.

Council member

Council member

Council member



# Register

Fiscal: 2016  
Deposit Period: 2016 - January  
Check Period: 2016 - January - Second Meeting

Number	Name	Print Date	Amount
<b>Bank of the Pacific</b>	<b>8023281</b>		
<b>Check</b>			
<u>38567</u>	Active Enterprises/petro.	1/25/2016	\$269.75
<u>38568</u>	Backflow By The Best	1/25/2016	\$150.00
<u>38569</u>	Beach Batteries, Inc	1/25/2016	\$157.19
<u>38570</u>	BSK Associates	1/25/2016	\$132.00
<u>38571</u>	Cartomation, Inc.	1/25/2016	\$416.00
<u>38572</u>	Centurylink	1/25/2016	\$1,728.17
<u>38573</u>	Charter Communications	1/25/2016	\$85.00
<u>38574</u>	Discovery Benefits	1/25/2016	\$10.50
<u>38575</u>	Evergreen Septic Service	1/25/2016	\$165.00
<u>38576</u>	Fastenal Company	1/25/2016	\$365.78
<u>38577</u>	Ford Electric Co. Inc.	1/25/2016	\$248.17
<u>38578</u>	Foster Pepper	1/25/2016	\$440.00
<u>38579</u>	Gray & Osborne, Inc.	1/25/2016	\$1,701.15
<u>38580</u>	Green River Community	1/25/2016	\$100.00
<u>38581</u>	HD Fowler Company	1/25/2016	\$2,782.97
<u>38582</u>	Heather Reynolds, Attorney	1/25/2016	\$2,736.00
<u>38583</u>	IFOCUS Consulting Inc.	1/25/2016	\$517.50
<u>38584</u>	P & L Johnson Mechanical	1/25/2016	\$405.04
<u>38585</u>	Pacific CO Auditor	1/25/2016	\$6,556.27
<u>38586</u>	Pacific CO Economic Development	1/25/2016	\$500.00
<u>38587</u>	Pacific CO Sheriff Office	1/25/2016	\$7,210.71
<u>38588</u>	PR Diamond Products, Inc.	1/25/2016	\$390.00
<u>38589</u>	PUD No 2 of Pacific County	1/25/2016	\$11,202.07
<u>38590</u>	Purchase Power	1/25/2016	\$54.78
<u>38591</u>	Solutions Yes	1/25/2016	\$53.27
<u>38592</u>	The Watershed Company	1/25/2016	\$1,710.00
<u>38593</u>	Viking Technologies Inc	1/25/2016	\$1,843.90
<u>38594</u>	Visa	1/25/2016	\$1,260.66
<u>38595</u>	WA State Dept. of Ecology	1/25/2016	\$52,153.94
<u>38596</u>	WA State Labor & Industry	1/25/2016	\$32.00
<u>38597</u>	Whitney Equipment Company, Inc.	1/25/2016	\$4,982.87
<u>38598</u>	Wilcox & Flegel Oil Co.	1/25/2016	\$1,343.13
	<b>Total Check</b>		<b>\$101,703.82</b>
	<b>Total 8023281</b>		<b>\$101,703.82</b>
	<b>Grand Total</b>		<b>\$101,703.82</b>

Treasurer

38567 through 38598

totaling \$101,703.82 are approved this 25th day of January, 2016.

Council member

Council member

Council member

**TREASURER'S REPORT**  
**Month ending December 31, 2015**

State law requires the city to post prior year expenditures for the first twenty days of the new-year in to the prior year budget. These additional expenditures are included in the attached statements and year ending balances have been posted, however, there will be some final adjustments posted prior to the issuance of the 2015 financial statements.

As illustrated in the table below, several amended budget projections for expenditures (excluding ending fund balance) were mostly on target. Other adjustments in expenditures were either offsetting or relatively minor in comparison to the overall budget.

Expenditures	YTD	Amended budget	Original budget	Budget	
	12/31/2015	12/31/2015	12/31/2015	inc(dec)	% change
General	913,903	971,398	936,372	35,026	4%
Streets	88,047	92,038	89,405	2,633	3%
Tourism	33,551	69,544	69,164	380	1%
Water	1,623,204	1,676,930	1,697,162	(20,232)	-1%
Stormwater	82,367	87,102	119,815	(32,713)	-27%
Sewer	1,144,423	1,484,052	1,547,377	(63,325)	-4%

The stormwater fund is growing as it was only implemented in 2012. The Streets fund is beginning to build a reserve, in the hopes of future projects. The Tourism fund includes lodging tax distributions that were made to the city in error that are estimated at \$33k. The Excise reserve was reduced by budgeted contributions to 2012, 2013, 2014 & 2015 projects. The largest cost of the year was in the water department with the purchase of the up-flow clarifier, which was funded mostly by DOH. Water sales ended the year on target as did sewer sales. One noticeable shortfall in the sewer fund was the revenue from the Seaview Sewer Dist which in large part is due to the late installation of the UV units. Overall, the fund balances continue to reflect stabilization.

Cash Balance	Actual						
	12/31/2009	12/31/2010	12/31/2011	12/31/2012	12/31/2013	12/31/2014	12/31/2015
General	45,907	245,945	65,878	109,562	171,658	179,178	196,577
Stormwater				9,310	8,955	18,556	50,749
Streets	14,918	52,455	3,046	32,719	41,301	88,743	108,575
Tourism	25,992	17,549	18,784	50,613	58,246	59,160	70,823
Excise	26,593	37,847	42,660	12,630	16,296	11,729	7,966
Water	43,110	101,550	10,239	56,617	123,117	332,491	244,685
Bond Rsv	116,187	258,530	301,475	318,077	327,179	347,731	368,284
Sewer	(83,072)	11,101	49,141	105,806	343,753	299,056	180,275

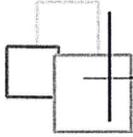
**Current Overall Cash Position**

The following are the account balances at the Bank of Pacific and Local Government Investment Pool:

Current Balances as of January 14, 2016

Bank of Pacific	
xxx.3303 Main	\$154,483
xxx.7413	3,349
LGIP	<u>1,141,823</u>
Total Cash	\$1,298,655

Ariel Smith,  
Treasurer



# Revenue

Starting Account Number: 001-000-000-308-80-00-00 Beginning Cash & Investments: Unreserved  
 Ending Account Number: 999-000-000-384-00-00-00 Proceeds From Sales of Investments  
 Period: 2015 - December

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
<b>General Fund Current Expense</b>						
<b>Revenue</b>						
<b>Taxes</b>						
<b>General Property Taxes</b>						
001-000-000-311-10-00-00	General Property Taxes	\$17,267.69	\$144,385.32	\$146,300.00	98.69%	\$1,914.68
001-000-000-311-10-00-01	General Property-IVFD Truck	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total General Property Taxes</b>		<b>\$17,267.69</b>	<b>\$144,385.32</b>	<b>\$146,300.00</b>	<b>98.69%</b>	<b>\$1,914.68</b>
<b>Retail Sales and Use Taxes</b>						
001-000-000-313-11-00-00	Local Sales & Use Taxes	\$11,885.49	\$147,760.38	\$140,000.00	105.54%	(\$7,760.38)
<b>Total Retail Sales and Use Taxes</b>		<b>\$11,885.49</b>	<b>\$147,760.38</b>	<b>\$140,000.00</b>	<b>105.54%</b>	<b>(\$7,760.38)</b>
<b>Business and Occupation Taxes</b>						
001-000-000-316-10-00-00	Business & Occupation Tax	(\$311.94)	\$62,788.97	\$65,000.00	96.60%	\$2,211.03
<b>Business and Occupation Taxes on Private Utilites</b>						
001-000-000-316-40-01-00	Garbage 6% Utility Tax	\$0.00	\$17,153.16	\$18,000.00	95.30%	\$846.84
001-000-000-316-40-02-00	Cable 6% Utility Tax	\$843.51	\$10,149.33	\$10,000.00	101.49%	(\$149.33)
001-000-000-316-40-03-00	Telephone 6% Utility Tax	\$2,004.97	\$27,836.73	\$30,000.00	92.79%	\$2,163.27
001-000-000-316-40-04-00	Electric 6% Utility Tax	\$0.00	\$65,293.11	\$70,000.00	93.28%	\$4,706.89
001-000-000-316-40-05-00	Water Utility Tax	\$4,637.97	\$53,354.82	\$52,862.00	100.93%	(\$492.82)
001-000-000-316-40-06-00	Sewer Utility Tax	\$3,868.56	\$45,604.91	\$44,614.00	102.22%	(\$990.91)
001-000-000-316-40-07-00	Storm Drainage Utility Tax	\$346.67	\$5,180.20	\$5,192.00	99.77%	\$11.80
001-000-000-316-40-08-00	Fire Hydrant Fee	\$298.75	\$2,093.85	\$1,800.00	116.33%	(\$293.85)
<b>Total Business and Occupation Taxes on Private Utilites</b>		<b>\$12,000.43</b>	<b>\$226,666.11</b>	<b>\$232,468.00</b>	<b>97.50%</b>	<b>\$5,801.89</b>
001-000-000-316-81-00-00	Gambling Tax	\$0.00	\$469.46	\$0.00		(\$469.46)
<b>Total Business and Occupation Taxes</b>		<b>\$11,688.49</b>	<b>\$289,924.54</b>	<b>\$297,468.00</b>	<b>97.46%</b>	<b>\$7,543.46</b>
<b>Excise Taxes</b>						
001-000-000-317-20-00-00	Local Leasehold Excise Tax	\$7,502.78	\$30,670.55	\$30,000.00	102.24%	(\$670.55)
001-000-000-317-40-00-00	Timber Harvest Excise Tax	\$14.08	\$119.69	\$0.00		(\$119.69)
<b>Total Excise Taxes</b>		<b>\$7,516.86</b>	<b>\$30,790.24</b>	<b>\$30,000.00</b>	<b>102.63%</b>	<b>(\$790.24)</b>
<b>Total Taxes</b>		<b>\$48,358.53</b>	<b>\$612,860.48</b>	<b>\$613,768.00</b>	<b>99.85%</b>	<b>\$907.52</b>
<b>Licenses and Permits</b>						
<b>Business Licenses and Permits</b>						
001-000-000-321-99-00-00	Other Business Licenses and	\$8,020.83	\$42,469.65	\$40,000.00	106.17%	(\$2,469.65)
<b>Total Business Licenses and Permits</b>		<b>\$8,020.83</b>	<b>\$42,469.65</b>	<b>\$40,000.00</b>	<b>106.17%</b>	<b>(\$2,469.65)</b>
<b>Non-Business Licenses and Permits</b>						
<b>Buildings, Structures and Equipment</b>						
001-000-000-322-10-00-01	Building Permit Fees	\$442.56	\$1,853.76	\$5,000.00	37.08%	\$3,146.24
<b>Total Buildings, Structures and Equipment</b>		<b>\$442.56</b>	<b>\$1,853.76</b>	<b>\$5,000.00</b>	<b>37.08%</b>	<b>\$3,146.24</b>
001-000-000-322-90-00-01	Zoning Fees	\$0.00	\$4,819.13	\$5,000.00	96.38%	\$180.87
<b>Total Non-Business Licenses and Permits</b>		<b>\$442.56</b>	<b>\$6,672.89</b>	<b>\$10,000.00</b>	<b>66.73%</b>	<b>\$3,327.11</b>
<b>Total Licenses and Permits</b>		<b>\$8,463.39</b>	<b>\$49,142.54</b>	<b>\$50,000.00</b>	<b>98.29%</b>	<b>\$857.46</b>
<b>Intergovernmental Revenues</b>						
<b>Direct Federal Grants</b>						
001-000-000-331-97-03-60	Fema Grant	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Direct Federal Grants</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>State Grants</b>						
001-000-000-334-02-70-00	RCO Grant Proceeds	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-334-03-12-00	DOE Aquatic Weed Grant	\$0.00	\$1,466.16	\$19,519.00	7.51%	\$18,052.84
001-000-000-334-03-13-00	DOE Shoreline Master Program	\$0.00	\$48,501.79	\$50,000.00	97.00%	\$1,498.21
<b>Total State Grants</b>		<b>\$0.00</b>	<b>\$49,967.95</b>	<b>\$69,519.00</b>	<b>71.88%</b>	<b>\$19,551.05</b>
<b>State Shared Revenues</b>						
001-000-000-335-00-91-00	PUD Privilege Tax	\$0.00	\$8,798.78	\$9,500.00	92.62%	\$701.22
<b>Total State Shared Revenues</b>		<b>\$0.00</b>	<b>\$8,798.78</b>	<b>\$9,500.00</b>	<b>92.62%</b>	<b>\$701.22</b>
<b>State Entitlements, Impact Payments and Taxes</b>						
001-000-000-336-06-20-00	Criminal Justice - High Crime	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-336-06-21-00	Criminal Justice - Violent	\$0.00	\$1,000.00	\$1,200.00	83.33%	\$200.00
001-000-000-336-06-25-00	Criminal Justice - Contracted	\$0.00	\$1,600.81	\$1,700.00	94.17%	\$99.19
001-000-000-336-06-26-00	Criminal Justice - Special Programs	\$0.00	\$925.20	\$1,000.00	92.52%	\$74.80
001-000-000-336-06-51-00	DUI & Other Criminal Justice	\$0.00	\$143.17	\$300.00	47.72%	\$156.83
001-000-000-336-06-94-00	Liquor Excise Tax	\$0.00	\$2,572.81	\$4,176.00	61.61%	\$1,603.19
001-000-000-336-06-95-00	Liquor Board Profits	\$2,069.42	\$8,280.39	\$8,244.00	100.44%	(\$36.39)

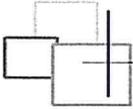
Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
<b>Total State Entitlements, Impact Payments and Taxes</b>		<b>\$2,069.42</b>	<b>\$14,522.38</b>	<b>\$16,620.00</b>	<b>87.38%</b>	<b>\$2,097.62</b>
<b>Interlocal Grants, Entitlements, Payments, and Tax</b>						
001-000-000-337-00-01-00	PCOG For Fire Station	\$0.00	\$25,000.00	\$25,000.00	100.00%	\$0.00
001-000-000-337-00-02-00	PCOG For Community Building	\$0.00	\$18,979.00	\$18,979.00	100.00%	\$0.00
001-000-000-337-00-03-00	Port of Ilwaco	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Interlocal Grants, Entitlements, Payments, and Tax</b>		<b>\$0.00</b>	<b>\$43,979.00</b>	<b>\$43,979.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Total Intergovernmental Revenues</b>		<b>\$2,069.42</b>	<b>\$117,268.11</b>	<b>\$139,618.00</b>	<b>83.99%</b>	<b>\$22,349.89</b>
<b>Charges for Goods and Services</b>						
<b>General Government</b>						
001-000-000-341-81-00-00	Photocopying	\$0.00	\$34.73	\$50.00	69.46%	\$15.27
<b>Other General Government Services</b>						
001-000-000-341-96-00-00	Other General Government	\$0.00	\$675.00	\$0.00		(\$675.00)
<b>Total Other General Government Services</b>		<b>\$0.00</b>	<b>\$675.00</b>	<b>\$0.00</b>		<b>(\$675.00)</b>
<b>Total General Government</b>		<b>\$0.00</b>	<b>\$709.73</b>	<b>\$50.00</b>	<b>1,419.46%</b>	<b>(\$659.73)</b>
<b>Public Safety</b>						
001-000-000-342-21-00-00	Fire Protection Services	\$4,500.00	\$6,415.64	\$8,000.00	80.20%	\$1,584.36
<b>Total Public Safety</b>		<b>\$4,500.00</b>	<b>\$6,415.64</b>	<b>\$8,000.00</b>	<b>80.20%</b>	<b>\$1,584.36</b>
<b>Total Charges for Goods and Services</b>		<b>\$4,500.00</b>	<b>\$7,125.37</b>	<b>\$8,050.00</b>	<b>88.51%</b>	<b>\$924.63</b>
<b>Fines and Penalties</b>						
<b>Civil Infraction Penalties</b>						
001-000-000-353-10-00-00	Traffic Infraction Penalties	\$29.70	\$238.99	\$0.00		(\$238.99)
001-000-000-353-10-03-01	Municipal Court Fines	\$330.45	\$6,793.00	\$7,000.00	97.04%	\$207.00
001-000-000-353-70-00-00	Non-Traffic Infraction Penalties	\$9.37	\$94.25	\$300.00	31.42%	\$205.75
<b>Total Civil Infraction Penalties</b>		<b>\$369.52</b>	<b>\$7,126.24</b>	<b>\$7,300.00</b>	<b>97.62%</b>	<b>\$173.76</b>
001-000-000-357-39-00-01	Misc Revenue-Court	\$4.50	\$22.30	\$0.00		(\$22.30)
<b>Total Fines and Penalties</b>		<b>\$374.02</b>	<b>\$7,148.54</b>	<b>\$7,300.00</b>	<b>97.93%</b>	<b>\$151.46</b>
<b>Miscellaneous Revenues</b>						
<b>Interest and Other Earnings</b>						
<b>Total Investment Interest</b>						
001-000-000-361-11-00-00	Investment Interest	\$41.86	\$243.79	\$200.00	121.90%	(\$43.79)
<b>Total Total Investment Interest</b>		<b>\$41.86</b>	<b>\$243.79</b>	<b>\$200.00</b>	<b>121.90%</b>	<b>(\$43.79)</b>
001-000-000-361-40-00-00	Other Interest	\$3.85	\$46.62	\$40.00	116.55%	(\$6.62)
<b>Total Interest and Other Earnings</b>		<b>\$45.71</b>	<b>\$290.41</b>	<b>\$240.00</b>	<b>121.00%</b>	<b>(\$50.41)</b>
<b>Rents, Leases and Concessions</b>						
001-000-000-362-40-00-00	Space & Facility Rental	\$180.00	\$1,661.00	\$1,500.00	110.73%	(\$161.00)
001-000-000-362-50-00-04	Community Building - Rent	\$0.00	\$3,090.00	\$3,250.00	95.08%	\$160.00
001-000-000-362-50-01-00	Community Building - Electricity	\$0.00	\$7,240.11	\$8,000.00	90.50%	\$759.89
001-000-000-362-50-03-00	Community Building - Insurance	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-362-90-00-00	Community Building - Other	\$112.50	\$2,545.50	\$3,000.00	84.85%	\$454.50
<b>Total Rents, Leases and Concessions</b>		<b>\$292.50</b>	<b>\$14,536.61</b>	<b>\$15,750.00</b>	<b>92.30%</b>	<b>\$1,213.39</b>
<b>Contributions and Donations From Private Sources</b>						
001-000-000-367-00-00-01	Templin Foundation Grant	\$0.00	\$14,000.00	\$14,000.00	100.00%	\$0.00
001-000-000-367-11-00-00	Fire Department Donations	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-367-19-00-00	Black Lake Fish Derby Donations	\$0.00	\$5,373.25	\$5,400.00	99.50%	\$26.75
001-000-000-367-19-00-01	Ilwaco Park Fund Donations	\$15,100.00	\$36,528.27	\$36,784.00	99.30%	\$255.73
001-000-000-367-19-00-03	Fireworks Donation	\$0.00	\$8,870.00	\$9,000.00	98.56%	\$130.00
<b>Total Contributions and Donations From Private Sources</b>		<b>\$15,100.00</b>	<b>\$64,771.52</b>	<b>\$65,184.00</b>	<b>99.37%</b>	<b>\$412.48</b>
<b>Other Miscellaneous Revenues</b>						
001-000-000-369-10-00-00	Sale of Scrap And Junk	\$0.00	\$0.00	\$2,800.00	0.00%	\$2,800.00
001-000-000-369-20-00-00	Unclaimed Property	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-369-30-00-00	Misc. Revenue	\$910.16	\$3,672.95	\$0.00		(\$3,672.95)
001-000-000-369-80-00-00	Cash Adjustment	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Other Miscellaneous Revenues</b>		<b>\$910.16</b>	<b>\$3,672.95</b>	<b>\$2,800.00</b>	<b>131.18%</b>	<b>(\$872.95)</b>
<b>Total Miscellaneous Revenues</b>		<b>\$16,348.37</b>	<b>\$83,271.49</b>	<b>\$83,974.00</b>	<b>99.16%</b>	<b>\$702.51</b>
<b>Nonrevenues</b>						
<b>State Remittances - Courts</b>						
001-000-000-386-83-08-00	Trauma Care	\$4.09	\$99.81	\$100.00	99.81%	\$0.19
001-000-000-386-83-31-00	Auto Theft	\$7.97	\$198.73	\$220.00	90.33%	\$21.27
001-000-000-386-83-32-00	Brain Trauma	\$0.97	\$35.55	\$40.00	88.88%	\$4.45
001-000-000-386-88-00-00	ST Gen Fund 54	\$3.59	\$33.27	\$0.00		(\$33.27)
<b>Total State Remittances - Courts</b>		<b>\$16.62</b>	<b>\$367.36</b>	<b>\$360.00</b>	<b>102.04%</b>	<b>(\$7.36)</b>
<b>State Remittances-Courts</b>						
001-000-000-386-91-00-00	ST Gen Fund 40	\$93.48	\$1,045.35	\$1,300.00	80.41%	\$254.65
001-000-000-386-92-00-00	ST Gen Fund 50	\$52.77	\$561.58	\$700.00	80.23%	\$138.42
001-000-000-386-96-00-00	Crime Lab Analysis Fee	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-386-97-00-00	JIS Account	\$18.23	\$360.40	\$350.00	102.97%	(\$10.40)
<b>Total State Remittances-Courts</b>		<b>\$164.48</b>	<b>\$1,967.33</b>	<b>\$2,350.00</b>	<b>83.72%</b>	<b>\$382.67</b>
<b>Total Nonrevenues</b>		<b>\$181.10</b>	<b>\$2,334.69</b>	<b>\$2,710.00</b>	<b>86.15%</b>	<b>\$375.31</b>
<b>Other Financing Sources</b>						
<b>Proceeds of Long-Term Debt-Governmental Funds Only</b>						
001-000-000-391-90-00-00	Proceeds from Other Debt	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Proceeds of Long-Term Debt-Governmental Funds Only</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
001-000-000-397-00-00-01	Transfer From 101-Bldg. Rental	\$0.00	\$11,500.00	\$11,500.00	100.00%	\$0.00
001-000-000-397-00-00-02	Transfer From 401-Bldg. Rental	\$0.00	\$12,375.00	\$12,375.00	100.00%	\$0.00

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
001-000-000-397-00-00-03	Transfer From 409-Bldg. Rental	\$0.00	\$20,275.00	\$20,275.00	100.00%	\$0.00
001-000-000-397-00-00-06	Transfer From 104	\$0.00	\$2,500.00	\$2,500.00	100.00%	\$0.00
001-000-000-397-00-00-07	Transfer from 408	\$0.00	\$5,500.00	\$5,500.00	100.00%	\$0.00
001-000-000-397-00-00-08	Transfer from 301	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-398-00-00-00	Insurance Recoveries	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Other Financing Sources</b>		<b>\$0.00</b>	<b>\$52,150.00</b>	<b>\$52,150.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Total Revenue</b>		<b>\$80,294.83</b>	<b>\$931,301.22</b>	<b>\$957,570.00</b>	<b>97.26%</b>	<b>\$26,268.78</b>
<b>Total General Fund Current Expense</b>		<b>\$80,294.83</b>	<b>\$931,301.22</b>	<b>\$957,570.00</b>	<b>97.26%</b>	<b>\$26,268.78</b>
<b>City Streets</b>						
<b>Revenue</b>						
<b>Taxes</b>						
<b>General Property Taxes</b>						
101-000-000-311-10-00-00	General Property Tax	\$7,400.44	\$61,862.50	\$62,700.00	98.66%	\$837.50
<b>Total General Property Taxes</b>		<b>\$7,400.44</b>	<b>\$61,862.50</b>	<b>\$62,700.00</b>	<b>98.66%</b>	<b>\$837.50</b>
<b>Total Taxes</b>		<b>\$7,400.44</b>	<b>\$61,862.50</b>	<b>\$62,700.00</b>	<b>98.66%</b>	<b>\$837.50</b>
<b>Intergovernmental Revenues</b>						
<b>State Entitlements, Impact Payments and Taxes</b>						
101-000-000-336-00-87-00	Motor Vehicle Fuel Tax	\$1,866.09	\$19,913.02	\$19,073.00	104.40%	(\$840.02)
<b>Total State Entitlements, Impact Payments and Taxes</b>		<b>\$1,866.09</b>	<b>\$19,913.02</b>	<b>\$19,073.00</b>	<b>104.40%</b>	<b>(\$840.02)</b>
101-000-000-337-00-00-00	MV Fuel Tax - County distribution	\$0.00	\$24,869.00	\$24,869.00	100.00%	\$0.00
101-000-000-337-00-00-01	Other Local Distributions	\$0.00	\$0.00	\$0.00		\$0.00
101-000-000-337-00-03-00	Pcog .09 - (2008)	\$0.00	\$0.00	\$0.00		\$0.00
101-000-000-339-22-00-00	Arra Grant	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Intergovernmental Revenues</b>		<b>\$1,866.09</b>	<b>\$44,782.02</b>	<b>\$43,942.00</b>	<b>101.91%</b>	<b>(\$840.02)</b>
<b>Miscellaneous Revenues</b>						
<b>Interest and Other Earnings</b>						
<b>Total Investment Interest</b>						
101-000-000-361-11-00-00	Investment Interest	\$18.98	\$117.42	\$0.00		(\$117.42)
<b>Total Total Investment Interest</b>		<b>\$18.98</b>	<b>\$117.42</b>	<b>\$0.00</b>		<b>(\$117.42)</b>
<b>Total Interest and Other Earnings</b>		<b>\$18.98</b>	<b>\$117.42</b>	<b>\$0.00</b>		<b>(\$117.42)</b>
<b>Other Miscellaneous Revenues</b>						
101-000-000-369-30-00-00	Misc Rev.	\$0.00	\$1,117.31	\$0.00		(\$1,117.31)
<b>Total Other Miscellaneous Revenues</b>		<b>\$0.00</b>	<b>\$1,117.31</b>	<b>\$0.00</b>		<b>(\$1,117.31)</b>
<b>Total Miscellaneous Revenues</b>		<b>\$18.98</b>	<b>\$1,234.73</b>	<b>\$0.00</b>		<b>(\$1,234.73)</b>
101-000-000-395-10-00-00	Proceeds From Sales of Capital	\$0.00	\$0.00	\$0.00		\$0.00
<b>Transfers-In</b>						
101-000-000-397-00-00-01	Transfer from 301	\$0.00	\$0.00	\$0.00		\$0.00
101-000-000-397-00-41-00	Transfer IN -401	\$0.00	\$0.00	\$0.00		\$0.00
101-000-000-397-00-41-01	Transfer IN 408	\$0.00	\$0.00	\$0.00		\$0.00
101-000-000-397-00-41-03	Transfer IN 409	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Transfers-In</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Total Revenue</b>		<b>\$9,285.51</b>	<b>\$107,879.25</b>	<b>\$106,642.00</b>	<b>101.16%</b>	<b>(\$1,237.25)</b>
<b>Total City Streets</b>		<b>\$9,285.51</b>	<b>\$107,879.25</b>	<b>\$106,642.00</b>	<b>101.16%</b>	<b>(\$1,237.25)</b>
<b>Tourism</b>						
<b>Revenue</b>						
<b>Taxes</b>						
<b>Retail Sales and Use Taxes</b>						
104-000-000-313-31-00-00	Hotel-Motel Tax	\$1,558.78	\$45,128.42	\$44,000.00	102.56%	(\$1,128.42)
<b>Total Retail Sales and Use Taxes</b>		<b>\$1,558.78</b>	<b>\$45,128.42</b>	<b>\$44,000.00</b>	<b>102.56%</b>	<b>(\$1,128.42)</b>
<b>Total Taxes</b>		<b>\$1,558.78</b>	<b>\$45,128.42</b>	<b>\$44,000.00</b>	<b>102.56%</b>	<b>(\$1,128.42)</b>
<b>Miscellaneous Revenues</b>						
<b>Interest and Other Earnings</b>						
<b>Total Investment Interest</b>						
104-000-000-361-11-00-00	Investment Interest	\$13.73	\$85.81	\$70.00	122.59%	(\$15.81)
<b>Total Total Investment Interest</b>		<b>\$13.73</b>	<b>\$85.81</b>	<b>\$70.00</b>	<b>122.59%</b>	<b>(\$15.81)</b>
<b>Total Interest and Other Earnings</b>		<b>\$13.73</b>	<b>\$85.81</b>	<b>\$70.00</b>	<b>122.59%</b>	<b>(\$15.81)</b>
<b>Total Miscellaneous Revenues</b>		<b>\$13.73</b>	<b>\$85.81</b>	<b>\$70.00</b>	<b>122.59%</b>	<b>(\$15.81)</b>
<b>Total Revenue</b>		<b>\$1,572.51</b>	<b>\$45,214.23</b>	<b>\$44,070.00</b>	<b>102.60%</b>	<b>(\$1,144.23)</b>
<b>Total Tourism</b>		<b>\$1,572.51</b>	<b>\$45,214.23</b>	<b>\$44,070.00</b>	<b>102.60%</b>	<b>(\$1,144.23)</b>
<b>Excise Reserve</b>						
<b>Revenue</b>						
<b>Taxes</b>						
<b>Other Taxes</b>						
301-000-000-318-34-00-00	Real Estate Excise Tax -REET 1	\$737.55	\$16,224.91	\$16,000.00	101.41%	(\$224.91)
<b>Total Other Taxes</b>		<b>\$737.55</b>	<b>\$16,224.91</b>	<b>\$16,000.00</b>	<b>101.41%</b>	<b>(\$224.91)</b>
<b>Total Taxes</b>		<b>\$737.55</b>	<b>\$16,224.91</b>	<b>\$16,000.00</b>	<b>101.41%</b>	<b>(\$224.91)</b>
<b>Miscellaneous Revenues</b>						
<b>Interest and Other Earnings</b>						
<b>Total Investment Interest</b>						
301-000-000-361-11-00-00	Investment Interest	\$1.32	\$12.08	\$0.00		(\$12.08)

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
<b>Total Total Investment Interest</b>		<b>\$1.32</b>	<b>\$12.08</b>	<b>\$0.00</b>		<b>(\$12.08)</b>
<b>Total Interest and Other Earnings</b>		<b>\$1.32</b>	<b>\$12.08</b>	<b>\$0.00</b>		<b>(\$12.08)</b>
<b>Total Miscellaneous Revenues</b>		<b>\$1.32</b>	<b>\$12.08</b>	<b>\$0.00</b>		<b>(\$12.08)</b>
<b>Total Revenue</b>		<b>\$738.87</b>	<b>\$16,236.99</b>	<b>\$16,000.00</b>	<b>101.48%</b>	<b>(\$236.99)</b>
<b>Total Excise Reserve</b>		<b>\$738.87</b>	<b>\$16,236.99</b>	<b>\$16,000.00</b>	<b>101.48%</b>	<b>(\$236.99)</b>
<b>Water</b>						
<b>Revenue</b>						
<b>Intergovernmental Revenues</b>						
<b>Indirect Federal Grants</b>						
401-000-000-333-66-46-00	Indirect Federal Grant from EPA	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Indirect Federal Grants</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>State Grants</b>						
401-000-000-334-04-90-00	State Grant - Department of Health	\$0.00	\$827,751.69	\$827,752.00	100.00%	\$0.31
<b>Total State Grants</b>		<b>\$0.00</b>	<b>\$827,751.69</b>	<b>\$827,752.00</b>	<b>100.00%</b>	<b>\$0.31</b>
<b>Total Intergovernmental Revenues</b>		<b>\$0.00</b>	<b>\$827,751.69</b>	<b>\$827,752.00</b>	<b>100.00%</b>	<b>\$0.31</b>
<b>Charges for Goods and Services</b>						
<b>Physical Environment</b>						
401-000-000-343-40-00-00	Water Sales	\$58,763.63	\$666,217.44	\$660,790.00	100.82%	(\$5,427.44)
401-000-000-343-40-00-01	Other Utilities	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-343-40-00-02	Other Rev Sources	\$1,546.54	\$33,193.30	\$33,000.00	100.59%	(\$193.30)
<b>Total Physical Environment</b>		<b>\$60,310.17</b>	<b>\$699,410.74</b>	<b>\$693,790.00</b>	<b>100.81%</b>	<b>(\$5,620.74)</b>
<b>Total Charges for Goods and Services</b>		<b>\$60,310.17</b>	<b>\$699,410.74</b>	<b>\$693,790.00</b>	<b>100.81%</b>	<b>(\$5,620.74)</b>
<b>Miscellaneous Revenues</b>						
<b>Interest and Other Earnings</b>						
<b>Total Investment Interest</b>						
401-000-000-361-11-00-00	Investment Interest	\$39.87	\$341.08	\$300.00	113.69%	(\$41.08)
<b>Total Total Investment Interest</b>		<b>\$39.87</b>	<b>\$341.08</b>	<b>\$300.00</b>	<b>113.69%</b>	<b>(\$41.08)</b>
<b>Total Interest and Other Earnings</b>		<b>\$39.87</b>	<b>\$341.08</b>	<b>\$300.00</b>	<b>113.69%</b>	<b>(\$41.08)</b>
<b>Total Miscellaneous Revenues</b>		<b>\$39.87</b>	<b>\$341.08</b>	<b>\$300.00</b>	<b>113.69%</b>	<b>(\$41.08)</b>
<b>Proprietary Funds Revenues</b>						
401-000-000-372-00-00-00	Insurance Recoveries	\$0.00	\$726.67	\$0.00		(\$726.67)
<b>Capital Contributions</b>						
401-000-000-379-00-00-01	Water Connections	\$0.00	\$3,750.00	\$3,750.00	100.00%	\$0.00
<b>Total Capital Contributions</b>		<b>\$0.00</b>	<b>\$3,750.00</b>	<b>\$3,750.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Total Proprietary Funds Revenues</b>		<b>\$0.00</b>	<b>\$4,476.67</b>	<b>\$3,750.00</b>	<b>119.38%</b>	<b>(\$726.67)</b>
<b>Other Financing Sources</b>						
401-000-000-391-80-00-00	Intergovernmental Loan Proceeds	\$0.00	\$3,417.50	\$3,418.00	99.99%	\$0.50
<b>Disposition of Capital Assets</b>						
401-000-000-395-10-00-00	Proceeds From Sales of Capital	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Disposition of Capital Assets</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Total Other Financing Sources</b>		<b>\$0.00</b>	<b>\$3,417.50</b>	<b>\$3,418.00</b>	<b>99.99%</b>	<b>\$0.50</b>
<b>Total Revenue</b>		<b>\$60,350.04</b>	<b>\$1,535,397.68</b>	<b>\$1,529,010.00</b>	<b>100.42%</b>	<b>(\$6,387.68)</b>
<b>Total Water</b>		<b>\$60,350.04</b>	<b>\$1,535,397.68</b>	<b>\$1,529,010.00</b>	<b>100.42%</b>	<b>(\$6,387.68)</b>
<b>Water &amp; Sewer Bond Redemption</b>						
<b>Revenue</b>						
<b>Miscellaneous Revenues</b>						
<b>Interest and Other Earnings</b>						
<b>Total Investment Interest</b>						
403-000-000-361-11-00-00	Investment Interest	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Total Investment Interest</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Total Interest and Other Earnings</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Total Miscellaneous Revenues</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Other Financing Sources</b>						
403-000-000-397-00-00-00	Intertie Loan Usda 91-01	\$0.00	\$4,354.00	\$4,354.00	100.00%	\$0.00
403-000-000-397-00-00-02	Transfer - Sewer Usda-Sbr #3	\$0.00	\$0.00	\$0.00		\$0.00
403-000-000-397-00-00-03	Transfer-Sewer Pwtf97-791-007	\$0.00	\$14,200.52	\$14,299.00	99.31%	\$98.48
403-000-000-397-00-00-05	Transfer-Sewer Pwtf 04-691	\$0.00	\$1,633.38	\$1,646.00	99.23%	\$12.62
403-000-000-397-00-00-06	Transfer-Sewer Pwtf 05-691	\$0.00	\$24,346.36	\$24,718.00	98.50%	\$371.64
403-000-000-397-00-00-07	Transfer-Sewer DOE	\$0.00	\$281,019.36	\$285,424.00	98.46%	\$4,404.64
403-000-000-397-00-00-08	Transfer from Sewer PC13-961-054	\$0.00	\$1,226.85	\$1,226.00	100.07%	(\$0.85)
403-000-000-397-00-70-02	Transfer From Sewer Srf 94-08	\$0.00	\$104,307.88	\$104,308.00	100.00%	\$0.12
403-000-000-397-00-70-05	Tran From Wat Pwtf04-65104-013	\$0.00	\$0.00	\$0.00		\$0.00
403-000-000-397-00-72-04	Tran From Sewer Pwtf06-962-017	\$0.00	\$13,249.75	\$13,326.00	99.43%	\$76.25
403-000-000-397-00-72-06	Trans From Sewer-B of P 2008	\$0.00	\$29,646.80	\$29,648.00	100.00%	\$1.20
403-000-000-397-00-72-07	Trans From Sewer PWTF 09-951-	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Other Financing Sources</b>		<b>\$0.00</b>	<b>\$473,984.90</b>	<b>\$478,949.00</b>	<b>98.96%</b>	<b>\$4,964.10</b>
<b>Total Revenue</b>		<b>\$0.00</b>	<b>\$473,984.90</b>	<b>\$478,949.00</b>	<b>98.96%</b>	<b>\$4,964.10</b>
<b>Total Water &amp; Sewer Bond Redemption</b>		<b>\$0.00</b>	<b>\$473,984.90</b>	<b>\$478,949.00</b>	<b>98.96%</b>	<b>\$4,964.10</b>

**Water & Sewer Bond Reserve**  
**Revenue**

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
<b>Miscellaneous Revenues</b>						
<b>Interest and Other Earnings</b>						
<b>Total Investment Interest</b>						
404-000-000-361-11-00-00	Investment Interest	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Total Investment Interest</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Total Interest and Other Earnings</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Total Miscellaneous Revenues</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Other Financing Sources</b>						
<b>Transfers-In</b>						
404-000-000-397-35-70-01	Wwtp-SRF Reserve- Refinance of	\$0.00	\$4,668.00	\$4,668.00	100.00%	\$0.00
404-000-000-397-35-70-02	Wwtp Srf Reserve- First Avenue	\$0.00	\$12,920.00	\$12,920.00	100.00%	\$0.00
404-000-000-397-35-70-03	Wwtp 2004-Usda Reserve	\$0.00	\$0.00	\$0.00		\$0.00
404-000-000-397-35-72-06	Wwtp 2008 Reserve-B of P	\$0.00	\$2,965.00	\$2,965.00	100.00%	\$0.00
<b>Total Transfers-In</b>		<b>\$0.00</b>	<b>\$20,553.00</b>	<b>\$20,553.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Total Other Financing Sources</b>		<b>\$0.00</b>	<b>\$20,553.00</b>	<b>\$20,553.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Total Revenue</b>		<b>\$0.00</b>	<b>\$20,553.00</b>	<b>\$20,553.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Total Water &amp; Sewer Bond Reserve</b>		<b>\$0.00</b>	<b>\$20,553.00</b>	<b>\$20,553.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Stormwater</b>						
<b>Revenue</b>						
<b>Charges for Goods and Services</b>						
<b>Physical Environment</b>						
408-000-000-343-10-00-00	Storm Drainage	\$5,759.19	\$86,506.22	\$86,538.00	99.96%	\$31.78
<b>Total Physical Environment</b>		<b>\$5,759.19</b>	<b>\$86,506.22</b>	<b>\$86,538.00</b>	<b>99.96%</b>	<b>\$31.78</b>
<b>Total Charges for Goods and Services</b>		<b>\$5,759.19</b>	<b>\$86,506.22</b>	<b>\$86,538.00</b>	<b>99.96%</b>	<b>\$31.78</b>
<b>Miscellaneous Revenues</b>						
<b>Interest and Other Earnings</b>						
<b>Total Investment Interest</b>						
408-000-000-361-11-00-00	Investment Interest	\$8.65	\$53.55	\$0.00		(\$53.55)
<b>Total Total Investment Interest</b>		<b>\$8.65</b>	<b>\$53.55</b>	<b>\$0.00</b>		<b>(\$53.55)</b>
<b>Total Interest and Other Earnings</b>		<b>\$8.65</b>	<b>\$53.55</b>	<b>\$0.00</b>		<b>(\$53.55)</b>
<b>Total Miscellaneous Revenues</b>		<b>\$8.65</b>	<b>\$53.55</b>	<b>\$0.00</b>		<b>(\$53.55)</b>
408-000-000-397-00-00-01	Transfer from 301	\$0.00	\$20,000.00	\$20,000.00	100.00%	\$0.00
408-000-000-397-00-00-02	Transfer from 101	\$0.00	\$8,000.00	\$8,000.00	100.00%	\$0.00
<b>Total Revenue</b>		<b>\$5,767.84</b>	<b>\$114,559.77</b>	<b>\$114,538.00</b>	<b>100.02%</b>	<b>(\$21.77)</b>
<b>Total Stormwater</b>		<b>\$5,767.84</b>	<b>\$114,559.77</b>	<b>\$114,538.00</b>	<b>100.02%</b>	<b>(\$21.77)</b>
<b>Sewer</b>						
<b>Revenue</b>						
<b>Charges for Goods and Services</b>						
<b>Physical Environment</b>						
409-000-000-343-50-00-00	Sewer Service Charges	\$63,027.10	\$750,596.88	\$743,569.00	100.95%	(\$7,027.88)
409-000-000-343-51-00-00	Seaview Sewer District Fees	\$9,190.30	\$168,721.61	\$265,672.00	63.51%	\$96,950.39
<b>Total Physical Environment</b>		<b>\$72,217.40</b>	<b>\$919,318.49</b>	<b>\$1,009,241.00</b>	<b>91.09%</b>	<b>\$89,922.51</b>
409-000-000-345-52-00-00	Seaview - SRF Loan Match	\$0.00	\$94,282.06	\$94,282.00	100.00%	(\$0.06)
<b>Total Charges for Goods and Services</b>		<b>\$72,217.40</b>	<b>\$1,013,600.55</b>	<b>\$1,103,523.00</b>	<b>91.85%</b>	<b>\$89,922.45</b>
<b>Miscellaneous Revenues</b>						
<b>Interest and Other Earnings</b>						
<b>Total Investment Interest</b>						
409-000-000-361-11-00-00	Investment Income	\$115.30	\$850.32	\$700.00	121.47%	(\$150.32)
<b>Total Total Investment Interest</b>		<b>\$115.30</b>	<b>\$850.32</b>	<b>\$700.00</b>	<b>121.47%</b>	<b>(\$150.32)</b>
409-000-000-361-40-00-00	Other Revenue Sources	\$108.97	\$11,192.57	\$11,250.00	99.49%	\$57.43
<b>Total Interest and Other Earnings</b>		<b>\$224.27</b>	<b>\$12,042.89</b>	<b>\$11,950.00</b>	<b>100.78%</b>	<b>(\$92.89)</b>
<b>Total Miscellaneous Revenues</b>		<b>\$224.27</b>	<b>\$12,042.89</b>	<b>\$11,950.00</b>	<b>100.78%</b>	<b>(\$92.89)</b>
<b>Proprietary Funds Revenues</b>						
409-000-000-372-00-00-00	Insurance Recovery	\$0.00	\$0.00	\$0.00		\$0.00
409-000-000-379-00-00-00	Sewer Connections	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Proprietary Funds Revenues</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Other Financing Sources</b>						
409-000-000-391-80-00-00	Intergovernmental Loan Proceed	\$0.00	\$0.00	\$0.00		\$0.00
409-000-000-391-80-00-01	Loan Proceeds	\$0.00	\$0.00	\$285,000.00	0.00%	\$285,000.00
<b>Disposition of Capital Assets</b>						
409-000-000-395-10-00-00	Proceeds Surplus Property	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Disposition of Capital Assets</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Total Other Financing Sources</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$285,000.00</b>	<b>0.00%</b>	<b>\$285,000.00</b>
<b>Total Revenue</b>		<b>\$72,441.67</b>	<b>\$1,025,643.44</b>	<b>\$1,400,473.00</b>	<b>73.24%</b>	<b>\$374,829.56</b>
<b>Total Sewer</b>		<b>\$72,441.67</b>	<b>\$1,025,643.44</b>	<b>\$1,400,473.00</b>	<b>73.24%</b>	<b>\$374,829.56</b>
<b>Grand Totals</b>		<b>\$230,451.27</b>	<b>\$4,270,770.48</b>	<b>\$4,667,805.00</b>	<b>91.49%</b>	<b>\$397,034.52</b>



# Expenditure

Starting Account Number: 001-000-000-508-80-00-00 Ending Cash & Investments  
 Ending Account Number: 999-000-000-584-00-00-00 Purchase of Investments  
 Period: 2015 - December

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
<b>General Fund Current Expense</b>						
<b>Expenditure</b>						
<b>General Government Services</b>						
<b>Legislative</b>						
<b>Official Publication Services</b>						
001-000-000-511-30-44-00	Official Publications	\$724.61	\$4,052.90	\$4,200.00	96.50%	\$147.10
<b>Total Official Publication Services</b>		<b>\$724.61</b>	<b>\$4,052.90</b>	<b>\$4,200.00</b>	<b>96.50%</b>	<b>\$147.10</b>
<b>Legislative Services</b>						
001-000-000-511-60-10-00	Salaries & Wages	\$1,480.57	\$18,005.59	\$20,000.00	90.03%	\$1,994.41
001-000-000-511-60-20-00	Personnel Benefits	\$114.75	\$1,845.70	\$2,500.00	73.83%	\$654.30
001-000-000-511-60-41-01	IT/Software Services	\$0.00	\$1,500.00	\$1,500.00	100.00%	\$0.00
001-000-000-511-60-43-00	Travel/Meals/Lodging	\$0.00	\$225.00	\$300.00	75.00%	\$75.00
001-000-000-511-60-46-00	Insurances	\$770.38	\$7,774.41	\$7,900.00	98.41%	\$125.59
001-000-000-511-60-47-00	Electricity	\$108.34	\$1,349.58	\$0.00		(\$1,349.58)
001-000-000-511-60-47-02	City Sewer - Museum	\$81.62	\$448.91	\$600.00	74.82%	\$151.09
001-000-000-511-60-48-00	Repair & Maintenance	\$0.00	\$0.00	\$200.00	0.00%	\$200.00
001-000-000-511-60-49-01	Miscellaneous	\$1,732.88	\$1,797.38	\$100.00	1,797.38%	(\$1,697.38)
001-000-000-511-60-51-00	Election Costs	\$0.00	\$6,851.40	\$7,000.00	97.88%	\$148.60
<b>Total Legislative Services</b>		<b>\$4,288.54</b>	<b>\$39,797.97</b>	<b>\$40,100.00</b>	<b>99.25%</b>	<b>\$302.03</b>
<b>Total Legislative</b>		<b>\$5,013.15</b>	<b>\$43,850.87</b>	<b>\$44,300.00</b>	<b>98.99%</b>	<b>\$449.13</b>
<b>Judicial</b>						
001-000-000-512-50-40-03	Municipal Court Services	\$2,236.00	\$17,432.00	\$17,500.00	99.61%	\$68.00
001-000-000-512-50-40-04	Court Remit TO State	\$0.00	\$2,159.37	\$3,500.00	61.70%	\$1,340.63
<b>Total Judicial</b>		<b>\$2,236.00</b>	<b>\$19,591.37</b>	<b>\$21,000.00</b>	<b>93.29%</b>	<b>\$1,408.63</b>
<b>Financial and Records Services</b>						
<b>Financial Services</b>						
001-000-000-514-20-10-00	Salaries & Wages	\$3,322.43	\$39,559.65	\$40,000.00	98.90%	\$440.35
001-000-000-514-20-20-00	Personnel Benefits	\$1,018.56	\$12,887.09	\$13,500.00	95.46%	\$612.91
001-000-000-514-20-31-00	Office & Operating Supplies	\$477.27	\$7,039.50	\$7,000.00	100.56%	(\$39.50)
001-000-000-514-20-35-00	Small Tools & Equipment	\$0.00	\$0.00	\$2,000.00	0.00%	\$2,000.00
001-000-000-514-20-41-00	Professional Services	\$203.52	\$10,862.56	\$11,000.00	98.75%	\$137.44
001-000-000-514-20-42-00	Communication	\$345.30	\$4,152.03	\$4,080.00	101.77%	(\$72.03)
001-000-000-514-20-43-00	Travel/Meals/Lodging	\$0.00	\$582.78	\$700.00	83.25%	\$117.22
001-000-000-514-20-43-01	Training	\$0.00	\$302.04	\$500.00	60.41%	\$197.96
001-000-000-514-20-45-00	Postage Meter Rental	\$0.00	\$1,100.29	\$1,452.00	75.78%	\$351.71
001-000-000-514-20-46-00	Insurance	\$281.00	\$281.00	\$0.00		(\$281.00)
001-000-000-514-20-47-00	Electricity	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-514-20-47-01	Garbage Bills	\$592.36	\$3,539.01	\$3,049.00	116.07%	(\$490.01)
001-000-000-514-20-47-02	Water - City Hall	\$104.84	\$647.91	\$700.00	92.56%	\$52.09
001-000-000-514-20-47-03	Sewer - City Hall	\$153.56	\$962.83	\$1,440.00	66.86%	\$477.17
001-000-000-514-20-47-04	Storm Drainage	\$50.22	\$301.34	\$300.00	100.45%	(\$1.34)
001-000-000-514-20-48-00	Repairs & Maintenance	\$0.00	\$555.34	\$700.00	79.33%	\$144.66
001-000-000-514-20-49-00	Miscellaneous	\$2,596.98	\$3,065.39	\$2,000.00	153.27%	(\$1,065.39)
<b>Budgeting, Accounting, Auditing (State Auditors)</b>						
001-000-000-514-23-41-00	Audit Costs	\$0.00	\$26,931.55	\$27,000.00	99.75%	\$68.45
<b>Total Budgeting, Accounting, Auditing (State)</b>		<b>\$0.00</b>	<b>\$26,931.55</b>	<b>\$27,000.00</b>	<b>99.75%</b>	<b>\$68.45</b>
<b>Total Financial Services</b>		<b>\$9,146.04</b>	<b>\$112,770.31</b>	<b>\$115,421.00</b>	<b>97.70%</b>	<b>\$2,650.69</b>
<b>Records Services</b>						
001-000-000-514-30-50-00	Records Services	\$0.00	(\$7.99)	\$1,000.00	-0.80%	\$1,007.99
001-000-000-514-31-40-00	Recording Fees	\$0.00	\$691.00	\$0.00		(\$691.00)
<b>Total Records Services</b>		<b>\$0.00</b>	<b>\$683.01</b>	<b>\$1,000.00</b>	<b>68.30%</b>	<b>\$316.99</b>
001-000-000-514-81-00-00	Licensing Fees	\$0.00	\$30.00	\$0.00		(\$30.00)
<b>Total Financial and Records Services</b>		<b>\$9,146.04</b>	<b>\$113,483.32</b>	<b>\$116,421.00</b>	<b>97.48%</b>	<b>\$2,937.68</b>
<b>Legal</b>						
001-000-000-515-30-41-00	Legal Services	\$2,772.00	\$23,364.00	\$26,000.00	89.86%	\$2,636.00
<b>Total Legal</b>		<b>\$2,772.00</b>	<b>\$23,364.00</b>	<b>\$26,000.00</b>	<b>89.86%</b>	<b>\$2,636.00</b>
<b>Other General Government Services</b>						
<b>Miscellaneous</b>						
001-000-000-519-70-49-00	Assoc of WA Cities (dues)	\$0.00	\$473.00	\$720.00	65.69%	\$247.00
001-000-000-519-70-49-01	Pacific Council of	\$0.00	\$1,500.00	\$1,500.00	100.00%	\$0.00
001-000-000-519-70-49-02	Misc General Government	\$0.00	\$500.00	\$0.00		(\$500.00)

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
001-000-000-519-70-49-03	Pacific County EDC	\$0.00	\$500.00	\$500.00	100.00%	\$0.00
<b>Total Miscellaneous</b>		<b>\$0.00</b>	<b>\$2,973.00</b>	<b>\$2,720.00</b>	<b>109.30%</b>	<b>(\$253.00)</b>
<b>Total Other General Government Services</b>		<b>\$0.00</b>	<b>\$2,973.00</b>	<b>\$2,720.00</b>	<b>109.30%</b>	<b>(\$253.00)</b>
<b>Total General Government Services</b>		<b>\$19,167.19</b>	<b>\$203,262.56</b>	<b>\$210,441.00</b>	<b>96.59%</b>	<b>\$7,178.44</b>
<b>Public Safety</b>						
<b>Law Enforcement Administration</b>						
001-000-000-521-10-50-00	Law Enforcement Contract	\$46,371.69	\$214,250.28	\$214,250.00	100.00%	(\$0.28)
<b>Total Administration</b>		<b>\$46,371.69</b>	<b>\$214,250.28</b>	<b>\$214,250.00</b>	<b>100.00%</b>	<b>(\$0.28)</b>
001-000-000-521-30-40-00	Drug Task Force	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Law Enforcement</b>		<b>\$46,371.69</b>	<b>\$214,250.28</b>	<b>\$214,250.00</b>	<b>100.00%</b>	<b>(\$0.28)</b>
<b>Fire Control Administration</b>						
001-000-000-522-10-10-00	Salaries & Wages	\$1,512.42	\$17,574.81	\$17,600.00	99.86%	\$25.19
001-000-000-522-10-20-00	Personnel Benefits	\$838.52	\$10,155.68	\$10,426.00	97.41%	\$270.32
001-000-000-522-10-20-01	Board of Volunteer Firemen	\$770.86	\$2,090.86	\$2,100.00	99.56%	\$9.14
001-000-000-522-10-20-02	Life & Disability Insurance	\$0.00	\$0.00	\$3,600.00	0.00%	\$3,600.00
001-000-000-522-10-31-00	Office & Operating Supplies	\$209.00	\$5,601.70	\$7,000.00	80.02%	\$1,398.30
001-000-000-522-10-31-01	Training/Attendance	\$6,329.50	\$9,092.48	\$9,150.00	99.37%	\$57.52
001-000-000-522-10-32-00	Gasoline	\$0.00	\$713.08	\$1,600.00	44.57%	\$886.92
001-000-000-522-10-35-00	Small Tools & Equipment	\$1,233.22	\$1,452.99	\$5,000.00	29.06%	\$3,547.01
001-000-000-522-10-42-00	Communication	\$430.07	\$5,100.17	\$5,500.00	92.73%	\$399.83
001-000-000-522-10-49-00	Miscellaneous	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Administration</b>		<b>\$11,323.59</b>	<b>\$51,781.77</b>	<b>\$61,976.00</b>	<b>83.55%</b>	<b>\$10,194.23</b>
<b>Facilities</b>						
001-000-000-522-50-46-00	Insurance	\$997.96	\$13,366.45	\$13,500.00	99.01%	\$133.55
001-000-000-522-50-47-00	Electricity	\$606.74	\$5,607.44	\$6,000.00	93.46%	\$392.56
001-000-000-522-50-47-01	Water	\$318.03	\$1,899.82	\$2,000.00	94.99%	\$100.18
001-000-000-522-50-47-02	Sewer	\$453.37	\$2,702.01	\$2,940.00	91.91%	\$237.99
001-000-000-522-50-47-03	Storm Drainage	\$140.96	\$863.15	\$1,000.00	86.32%	\$136.85
001-000-000-522-50-48-00	Repair & Maintenance	\$0.00	\$3,013.99	\$3,200.00	94.19%	\$186.01
<b>Total Facilities</b>		<b>\$2,517.06</b>	<b>\$27,452.86</b>	<b>\$28,640.00</b>	<b>95.85%</b>	<b>\$1,187.14</b>
001-000-000-522-60-48-00	Vehicle & Equipment	\$0.00	\$4,499.91	\$5,000.00	90.00%	\$500.09
<b>Total Fire Control</b>		<b>\$13,840.65</b>	<b>\$83,734.54</b>	<b>\$95,616.00</b>	<b>87.57%</b>	<b>\$11,881.46</b>
<b>Detention and/or Correction Monitoring Of Prisoners</b>						
001-000-000-523-20-40-00	Correctional Institutions	\$0.00	\$2,961.48	\$3,500.00	84.61%	\$538.52
001-000-000-523-21-00-01	Juvenile Facility	\$0.00	\$0.00	\$50.00	0.00%	\$50.00
<b>Total Monitoring Of Prisoners</b>		<b>\$0.00</b>	<b>\$2,961.48</b>	<b>\$3,550.00</b>	<b>83.42%</b>	<b>\$588.52</b>
<b>Total Detention and/or Correction</b>		<b>\$0.00</b>	<b>\$2,961.48</b>	<b>\$3,550.00</b>	<b>83.42%</b>	<b>\$588.52</b>
<b>Emergency Services</b>						
<b>Emergency Preparedness</b>						
001-000-000-525-60-51-00	Disaster Preparedness	\$0.00	\$5,902.00	\$5,753.00	102.59%	(\$149.00)
<b>Total Emergency Preparedness</b>		<b>\$0.00</b>	<b>\$5,902.00</b>	<b>\$5,753.00</b>	<b>102.59%</b>	<b>(\$149.00)</b>
<b>Total Emergency Services</b>		<b>\$0.00</b>	<b>\$5,902.00</b>	<b>\$5,753.00</b>	<b>102.59%</b>	<b>(\$149.00)</b>
<b>Communications, Alarms and Dispatch Operations - Contracted Services</b>						
001-000-000-528-60-51-00	Dispatch Services	\$4,788.92	\$37,399.92	\$37,611.00	99.44%	\$211.08
<b>Total Operations - Contracted Services</b>		<b>\$4,788.92</b>	<b>\$37,399.92</b>	<b>\$37,611.00</b>	<b>99.44%</b>	<b>\$211.08</b>
<b>Total Communications, Alarms and Dispatch</b>		<b>\$4,788.92</b>	<b>\$37,399.92</b>	<b>\$37,611.00</b>	<b>99.44%</b>	<b>\$211.08</b>
<b>Total Public Safety -</b>		<b>\$65,001.26</b>	<b>\$344,248.22</b>	<b>\$356,780.00</b>	<b>96.49%</b>	<b>\$12,531.78</b>
<b>Economic Environment</b>						
001-000-000-553-70-51-00	Air Pollution Control	\$0.00	\$423.00	\$423.00	100.00%	\$0.00
<b>Community Services</b>						
<b>Information Services</b>						
001-000-000-557-20-41-00	Ilwaco Web Page	\$50.00	\$900.00	\$850.00	105.88%	(\$50.00)
<b>Total Information Services</b>		<b>\$50.00</b>	<b>\$900.00</b>	<b>\$850.00</b>	<b>105.88%</b>	<b>(\$50.00)</b>
<b>Total Community Services</b>		<b>\$50.00</b>	<b>\$900.00</b>	<b>\$850.00</b>	<b>105.88%</b>	<b>(\$50.00)</b>
<b>Planning and Community Development</b>						
<b>Planning</b>						
001-000-000-558-60-41-00	Planner Services	\$582.63	\$72,317.39	\$74,000.00	97.73%	\$1,682.61
<b>Total Planning</b>		<b>\$582.63</b>	<b>\$72,317.39</b>	<b>\$74,000.00</b>	<b>97.73%</b>	<b>\$1,682.61</b>
<b>Total Planning and Community Development</b>		<b>\$582.63</b>	<b>\$72,317.39</b>	<b>\$74,000.00</b>	<b>97.73%</b>	<b>\$1,682.61</b>
<b>Total Economic Environment</b>		<b>\$632.63</b>	<b>\$73,640.39</b>	<b>\$75,273.00</b>	<b>97.83%</b>	<b>\$1,632.61</b>
<b>Mental and Physical Health</b>						
<b>Substance Abuse</b>						
001-000-000-566-00-51-00	Alcohol Program 2%	\$63.00	\$276.22	\$250.00	110.49%	(\$26.22)
<b>Total Substance Abuse</b>		<b>\$63.00</b>	<b>\$276.22</b>	<b>\$250.00</b>	<b>110.49%</b>	<b>(\$26.22)</b>
<b>Total Mental and Physical Health</b>		<b>\$63.00</b>	<b>\$276.22</b>	<b>\$250.00</b>	<b>110.49%</b>	<b>(\$26.22)</b>

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
<b>Culture and Recreation</b>						
<b>Libraries</b>						
<b>Facilities</b>						
001-000-000-572-50-41-00	Custodian Library	\$335.00	\$4,160.00	\$4,140.00	100.48%	(\$20.00)
001-000-000-572-50-46-00	Insurance	\$1,140.10	\$3,145.51	\$3,145.00	100.02%	(\$0.51)
001-000-000-572-50-47-00	Electricity	\$692.72	\$7,811.23	\$7,400.00	105.56%	(\$411.23)
001-000-000-572-50-47-01	City Water	\$321.76	\$1,938.06	\$1,900.00	102.00%	(\$38.06)
001-000-000-572-50-47-02	City Sewer	\$461.63	\$2,786.31	\$2,700.00	103.20%	(\$86.31)
001-000-000-572-50-47-03	Storm Drainage	\$21.98	\$129.70	\$120.00	108.08%	(\$9.70)
001-000-000-572-50-48-00	Repairs & Maintenance	\$310.89	\$1,365.49	\$1,200.00	113.79%	(\$165.49)
001-000-000-572-50-49-00	Miscellaneous	\$0.00	\$10.78	\$100.00	10.78%	\$89.22
<b>Total Facilities</b>		<b>\$3,284.08</b>	<b>\$21,347.08</b>	<b>\$20,705.00</b>	<b>103.10%</b>	<b>(\$642.08)</b>
<b>Total Libraries</b>		<b>\$3,284.08</b>	<b>\$21,347.08</b>	<b>\$20,705.00</b>	<b>103.10%</b>	<b>(\$642.08)</b>
<b>Spectator and Community Events</b>						
001-000-000-573-90-30-00	Street Banners	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-573-90-49-00	Black Lake Fishing Derby	\$0.00	\$4,124.27	\$4,200.00	98.20%	\$75.73
001-000-000-573-90-49-01	Port of Ilwaco Fireworks	\$0.00	\$7,500.00	\$7,500.00	100.00%	\$0.00
<b>Total Spectator and Community Events</b>		<b>\$0.00</b>	<b>\$11,624.27</b>	<b>\$11,700.00</b>	<b>99.35%</b>	<b>\$75.73</b>
001-000-000-575-50-40-00	Community Bldg Other -	\$461.82	\$5,207.49	\$6,220.00	83.72%	\$1,012.51
001-000-000-575-50-40-01	Community Bldg Other-Mntc	\$310.89	\$4,030.23	\$4,000.00	100.76%	(\$30.23)
001-000-000-575-50-40-02	Community Building Water	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-575-50-40-03	Community Building Sewer	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-575-50-40-04	Community Building	\$0.00	\$8,360.00	\$9,120.00	91.67%	\$760.00
<b>Park Facilities</b>						
<b>General Parks</b>						
001-000-000-576-80-10-00	Parks Salaries and Wages	\$3,035.56	\$32,725.20	\$35,334.00	92.62%	\$2,608.80
001-000-000-576-80-20-00	Parks Benefits	\$930.43	\$11,089.37	\$14,969.00	74.08%	\$3,879.63
001-000-000-576-80-31-00	Office & Operating Supplies	\$256.27	\$8,109.10	\$8,300.00	97.70%	\$190.90
001-000-000-576-80-34-00	Aquatic Weed Treatment	\$0.00	\$2,057.00	\$19,519.00	10.54%	\$17,462.00
001-000-000-576-80-34-01	RCO Expenses	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-576-80-34-02	DOE Shoreline Master	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-576-80-35-00	Small Tools & Equipment	\$0.00	\$860.52	\$1,500.00	57.37%	\$639.48
001-000-000-576-80-46-00	Insurance	\$240.10	\$2,423.05	\$2,500.00	96.92%	\$76.95
001-000-000-576-80-47-00	Electricity	\$101.16	\$1,105.04	\$1,200.00	92.09%	\$94.96
001-000-000-576-80-47-01	Water-Parks, Sprinklers,Blk	\$373.37	\$2,270.12	\$2,600.00	87.31%	\$329.88
001-000-000-576-80-47-02	Sewer-Parks, Black Lake	\$93.89	\$820.94	\$1,000.00	82.09%	\$179.06
001-000-000-576-80-47-03	Storm Drainage	\$43.96	\$1,684.79	\$2,000.00	84.24%	\$315.21
001-000-000-576-80-48-00	Repairs & Maintenance	\$2,366.59	\$4,206.45	\$4,000.00	105.16%	(\$206.45)
001-000-000-576-80-49-00	Miscellaneous	(\$355.93)	(\$355.93)	\$0.00		\$355.93
001-000-000-576-80-49-01	Other	\$0.00	\$0.00	\$5,000.00	0.00%	\$5,000.00
001-000-000-576-80-49-02	Ilwaco Park From Donations	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total General Parks</b>		<b>\$7,085.40</b>	<b>\$66,995.65</b>	<b>\$97,922.00</b>	<b>68.42%</b>	<b>\$30,926.35</b>
<b>Total Park Facilities</b>		<b>\$7,085.40</b>	<b>\$66,995.65</b>	<b>\$97,922.00</b>	<b>68.42%</b>	<b>\$30,926.35</b>
<b>Total Culture and Recreation</b>		<b>\$11,142.19</b>	<b>\$117,564.72</b>	<b>\$149,667.00</b>	<b>78.55%</b>	<b>\$32,102.28</b>
<b>Debt Service</b>						
<b>Redemption Of Long-Term Debt - Governmental Funds</b>						
001-000-000-591-13-71-00	Usda RD #97-09 Bond -	\$10,218.40	\$19,333.00	\$19,332.00	100.01%	(\$1.00)
001-000-000-591-22-71-00	BOP Fire Station - Prin	\$0.00	\$46,694.62	\$46,695.00	100.00%	\$0.38
001-000-000-591-48-71-01	John Deer Mower 8157-96 -	\$1,000.00	\$11,082.23	\$12,000.00	92.35%	\$917.77
001-000-000-591-73-71-00	BOP Community Bldg - Prin	\$0.00	\$18,498.32	\$18,498.00	100.00%	(\$0.32)
<b>Total Redemption Of Long-Term Debt - Governmental</b>		<b>\$11,218.40</b>	<b>\$95,608.17</b>	<b>\$96,525.00</b>	<b>99.05%</b>	<b>\$916.83</b>
<b>Interest And Other Debt Service Costs</b>						
001-000-000-592-13-83-00	Usda RD #97-09 Bond -	\$3,045.60	\$7,195.00	\$7,195.00	100.00%	\$0.00
001-000-000-592-22-83-00	BOP Fire Station - Interest	\$0.00	\$30,737.98	\$30,738.00	100.00%	\$0.02
001-000-000-592-48-83-00	John Deer Mower 8157-96 -	\$82.23	\$1,904.53	\$2,000.00	95.23%	\$95.47
001-000-000-592-73-83-00	BOP Community Bldg -	\$0.00	\$10,528.60	\$10,529.00	100.00%	\$0.40
<b>Total Interest And Other Debt Service Costs</b>		<b>\$3,127.83</b>	<b>\$50,366.11</b>	<b>\$50,462.00</b>	<b>99.81%</b>	<b>\$95.89</b>
<b>Capital Expenditures</b>						
001-000-000-594-14-62-00	Governmental Facility	\$2,875.09	\$13,588.87	\$14,000.00	97.06%	\$411.13
001-000-000-594-14-64-00	Administrative Equipment	\$0.00	\$102.51	\$0.00		(\$102.51)
001-000-000-594-42-64-00	Templin Foundation	\$0.00	\$14,000.00	\$14,000.00	100.00%	\$0.00
<b>Equipment</b>						
001-000-000-594-64-22-00	Fire Department Vehicles	\$0.00	\$0.00	\$0.00		\$0.00
001-000-000-594-64-22-01	Fire Equipment	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Equipment</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
001-000-000-594-76-64-00	Parks Vehicles	\$184.79	\$1,245.17	\$4,000.00	31.13%	\$2,754.83
<b>Total Capital Expenditures</b>		<b>\$3,059.88</b>	<b>\$28,936.55</b>	<b>\$32,000.00</b>	<b>90.43%</b>	<b>\$3,063.45</b>
001-000-000-597-00-00-00	Contingency	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Debt Service</b>		<b>\$17,406.11</b>	<b>\$174,910.83</b>	<b>\$178,987.00</b>	<b>97.72%</b>	<b>\$4,076.17</b>
<b>Total Expenditure</b>		<b>\$113,412.38</b>	<b>\$913,902.94</b>	<b>\$971,398.00</b>	<b>94.08%</b>	<b>\$57,495.06</b>
<b>Total General Fund Current Expense</b>		<b>\$113,412.38</b>	<b>\$913,902.94</b>	<b>\$971,398.00</b>	<b>94.08%</b>	<b>\$57,495.06</b>

City Streets

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
<b>Expenditure</b>						
<b>Transportation</b>						
<b>Road and Street Maintenance</b>						
<b>Roadway</b>						
101-000-000-542-30-10-00	Salaries & Wages	\$2,624.41	\$29,357.57	\$30,601.00	95.94%	\$1,243.43
101-000-000-542-30-20-00	Benefits	\$773.90	\$10,051.83	\$12,837.00	78.30%	\$2,785.17
101-000-000-542-30-35-00	Roadway Equipment	\$0.00	\$1,150.45	\$2,000.00	57.52%	\$849.55
<b>Total Roadway</b>		<b>\$3,398.31</b>	<b>\$40,559.85</b>	<b>\$45,438.00</b>	<b>89.26%</b>	<b>\$4,878.15</b>
<b>Traffic And Pedestrian Services</b>						
<b>Street Lighting</b>						
101-000-000-542-63-47-00	Street Light Operating	\$643.86	\$7,589.65	\$7,500.00	101.20%	(\$89.65)
<b>Total Street Lighting</b>		<b>\$643.86</b>	<b>\$7,589.65</b>	<b>\$7,500.00</b>	<b>101.20%</b>	<b>(\$89.65)</b>
<b>Snow And Ice Control</b>						
101-000-000-542-66-31-00	Ice Control Operating	\$0.00	\$0.00	\$400.00	0.00%	\$400.00
<b>Total Snow And Ice Control</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$400.00</b>	<b>0.00%</b>	<b>\$400.00</b>
<b>Street Cleaning</b>						
101-000-000-542-67-30-00	Street Cleaning	\$0.00	\$652.09	\$1,000.00	65.21%	\$347.91
<b>Total Street Cleaning</b>		<b>\$0.00</b>	<b>\$652.09</b>	<b>\$1,000.00</b>	<b>65.21%</b>	<b>\$347.91</b>
<b>Total Traffic And Pedestrian Services</b>		<b>\$643.86</b>	<b>\$8,241.74</b>	<b>\$8,900.00</b>	<b>92.60%</b>	<b>\$658.26</b>
<b>Roadside</b>						
101-000-000-542-70-31-00	Roadside Operating	\$0.00	\$3,572.53	\$5,000.00	71.45%	\$1,427.47
<b>Total Roadside</b>		<b>\$0.00</b>	<b>\$3,572.53</b>	<b>\$5,000.00</b>	<b>71.45%</b>	<b>\$1,427.47</b>
<b>Total Road and Street Maintenance</b>		<b>\$4,042.17</b>	<b>\$52,374.12</b>	<b>\$59,338.00</b>	<b>88.26%</b>	<b>\$6,963.88</b>
<b>Road and Street General Administration / Overhead</b>						
101-000-000-543-30-30-00	Office And Operating	\$590.29	\$5,795.22	\$6,200.00	93.47%	\$404.78
101-000-000-543-30-30-01	Gasoline & Oil Products	\$102.30	\$2,350.19	\$3,000.00	78.34%	\$649.81
101-000-000-543-30-30-02	Small Tools & Equipment	\$0.00	\$1,621.31	\$2,000.00	81.07%	\$378.69
101-000-000-543-30-40-00	Safety Training	\$0.00	\$174.00	\$500.00	34.80%	\$326.00
101-000-000-543-30-40-01	Insurance	\$147.30	\$1,486.55	\$1,500.00	99.10%	\$13.45
<b>Total Road and Street General Administration /</b>		<b>\$839.89</b>	<b>\$11,427.27</b>	<b>\$13,200.00</b>	<b>86.57%</b>	<b>\$1,772.73</b>
<b>Total Transportation</b>		<b>\$4,882.06</b>	<b>\$63,801.39</b>	<b>\$72,538.00</b>	<b>87.96%</b>	<b>\$8,736.61</b>
<b>Debt Service</b>						
<b>Roads/Streets Construction &amp; Other Infrastructure</b>						
<b>Roadway</b>						
101-000-000-595-30-65-00	Roadway Construction	\$0.00	\$151.71	\$0.00		(\$151.71)
<b>Total Roadway</b>		<b>\$0.00</b>	<b>\$151.71</b>	<b>\$0.00</b>		<b>(\$151.71)</b>
<b>Traffic And Pedestrian Services</b>						
<b>Sidewalks</b>						
101-000-000-595-61-60-01	Sidewalks	\$0.00	\$4,594.37	\$0.00		(\$4,594.37)
<b>Total Sidewalks</b>		<b>\$0.00</b>	<b>\$4,594.37</b>	<b>\$0.00</b>		<b>(\$4,594.37)</b>
<b>Total Traffic And Pedestrian Services</b>		<b>\$0.00</b>	<b>\$4,594.37</b>	<b>\$0.00</b>		<b>(\$4,594.37)</b>
<b>Total Roads/Streets Construction &amp; Other Infrastructure</b>		<b>\$0.00</b>	<b>\$4,746.08</b>	<b>\$0.00</b>		<b>(\$4,746.08)</b>
101-000-000-597-00-00-01	Contingency	\$0.00	\$0.00	\$0.00		\$0.00
101-000-000-597-00-00-03	Transfer TO 001-Bldg.	\$0.00	\$11,500.00	\$11,500.00	100.00%	\$0.00
101-000-000-597-00-00-10	Transfer TO 408	\$0.00	\$8,000.00	\$8,000.00	100.00%	\$0.00
<b>Total Debt Service</b>		<b>\$0.00</b>	<b>\$24,246.08</b>	<b>\$19,500.00</b>	<b>124.34%</b>	<b>(\$4,746.08)</b>
<b>Total Expenditure</b>		<b>\$4,882.06</b>	<b>\$88,047.47</b>	<b>\$92,038.00</b>	<b>95.66%</b>	<b>\$3,990.53</b>
<b>Total City Streets</b>		<b>\$4,882.06</b>	<b>\$88,047.47</b>	<b>\$92,038.00</b>	<b>95.66%</b>	<b>\$3,990.53</b>
<b>Tourism</b>						
<b>Expenditure</b>						
104-000-000-557-30-40-01	Fishing Derby	\$0.00	\$35.07	\$0.00		(\$35.07)
104-000-000-557-30-40-03	Miscellaneous	\$0.00	\$7,500.00	\$7,500.00	100.00%	\$0.00
104-000-000-557-30-41-01	Heritage Museum	\$2,500.00	\$5,000.00	\$5,000.00	100.00%	\$0.00
104-000-000-557-30-41-02	Visitors Bldg. - City Portion	\$0.00	\$769.00	\$769.00	100.00%	\$0.00
104-000-000-557-30-41-03	Ilwaco Merchants	\$3,000.00	\$3,000.00	\$3,000.00	100.00%	\$0.00
104-000-000-557-30-41-04	Peninsula Visitors Bureau	\$0.00	\$7,875.00	\$7,875.00	100.00%	\$0.00
104-000-000-557-30-41-05	Ilwaco Charter Association	\$0.00	\$1,000.00	\$1,000.00	100.00%	\$0.00
104-000-000-557-30-46-00	Heritage Museum -	\$577.42	\$5,827.06	\$5,900.00	98.76%	\$72.94
<b>Culture and Recreation</b>						
<b>Spectator and Community Events</b>						
104-000-000-573-90-00-00	Merchants/marketing	\$0.00	\$0.00	\$0.00		\$0.00
104-000-000-573-90-00-03	Visitors Bureau	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Spectator and Community Events</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Park Facilities</b>						
<b>General Parks</b>						
<b>Unit</b>						
104-000-000-576-80-31-00	Office & Operating Supplies	\$0.00	\$45.21	\$0.00		(\$45.21)
<b>Total Unit</b>		<b>\$0.00</b>	<b>\$45.21</b>	<b>\$0.00</b>		<b>(\$45.21)</b>
<b>Total General Parks</b>		<b>\$0.00</b>	<b>\$45.21</b>	<b>\$0.00</b>		<b>(\$45.21)</b>
<b>Total Park Facilities</b>		<b>\$0.00</b>	<b>\$45.21</b>	<b>\$0.00</b>		<b>(\$45.21)</b>

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
<b>Total Culture and Recreation</b>		<b>\$0.00</b>	<b>\$45.21</b>	<b>\$0.00</b>		<b>(\$45.21)</b>
<b>Debt Service</b>						
104-000-000-597-00-00-00	Contingency	\$0.00	\$0.00	\$36,000.00	0.00%	\$36,000.00
104-000-000-597-00-00-01	Transfer TO 001	\$0.00	\$2,500.00	\$2,500.00	100.00%	\$0.00
<b>Total Debt Service</b>		<b>\$0.00</b>	<b>\$2,500.00</b>	<b>\$38,500.00</b>	<b>6.49%</b>	<b>\$36,000.00</b>
<b>Total Expenditure</b>		<b>\$6,077.42</b>	<b>\$33,551.34</b>	<b>\$69,544.00</b>	<b>48.24%</b>	<b>\$35,992.66</b>
<b>Total Tourism</b>		<b>\$6,077.42</b>	<b>\$33,551.34</b>	<b>\$69,544.00</b>	<b>48.24%</b>	<b>\$35,992.66</b>
<b>Excise Reserve</b>						
<b>Expenditure</b>						
<b>Debt Service</b>						
301-000-000-597-00-00-01	Transfer TO 001	\$0.00	\$0.00	\$0.00		\$0.00
301-000-000-597-00-00-10	Transfer TO 408	\$0.00	\$20,000.00	\$20,000.00	100.00%	\$0.00
<b>Total Debt Service</b>		<b>\$0.00</b>	<b>\$20,000.00</b>	<b>\$20,000.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Total Expenditure</b>		<b>\$0.00</b>	<b>\$20,000.00</b>	<b>\$20,000.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Total Excise Reserve</b>		<b>\$0.00</b>	<b>\$20,000.00</b>	<b>\$20,000.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Water</b>						
<b>Expenditure</b>						
<b>Utilities and Environment</b>						
<b>Water Utilities</b>						
401-000-000-534-00-10-00	Salaries & Wages	\$14,628.64	\$224,186.76	\$225,634.00	99.36%	\$1,447.24
401-000-000-534-00-20-00	Benefits	\$4,577.17	\$71,458.22	\$76,651.00	93.23%	\$5,192.78
401-000-000-534-00-31-00	Operation & Maintenance	\$1,668.77	\$38,245.75	\$40,000.00	95.61%	\$1,754.25
401-000-000-534-00-31-01	Chemicals	\$758.11	\$37,304.66	\$40,000.00	93.26%	\$2,695.34
401-000-000-534-00-31-02	Monthly Excise Tax Pay	\$2,637.04	\$36,379.77	\$37,751.00	96.37%	\$1,371.23
401-000-000-534-00-31-03	Annual Meter Calibrations	\$209.84	\$1,793.44	\$2,000.00	89.67%	\$206.56
401-000-000-534-00-31-04	Annual Permit Fees	\$0.00	\$3,723.05	\$5,000.00	74.46%	\$1,276.95
401-000-000-534-00-31-05	Cleaning Water Tanks	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-534-00-31-06	Office & Customer Service	\$2,745.60	\$12,371.17	\$13,000.00	95.16%	\$628.83
401-000-000-534-00-32-00	Gasoline	\$219.40	\$4,358.11	\$5,000.00	87.16%	\$641.89
401-000-000-534-00-33-00	Intertie Water	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-534-00-35-00	Small Tools & Equipment	\$0.00	\$4,669.67	\$5,000.00	93.39%	\$330.33
401-000-000-534-00-35-01	Small Tools & Equipment -	\$575.99	\$6,578.29	\$7,500.00	87.71%	\$921.71
401-000-000-534-00-41-00	Professional Services	\$0.00	\$3,912.13	\$5,000.00	78.24%	\$1,087.87
401-000-000-534-00-41-01	Attorney Fees	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-534-00-41-03	Professional Services -	\$0.00	\$14,102.66	\$15,000.00	94.02%	\$897.34
401-000-000-534-00-41-04	Professional Services -	\$203.52	\$6,365.13	\$7,000.00	90.93%	\$634.87
401-000-000-534-00-41-05	Water Comp. Plan-	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-534-00-42-00	Communications	\$546.88	\$5,503.03	\$5,500.00	100.06%	(\$3.03)
401-000-000-534-00-43-00	Travel/Meals/Lodging	\$384.95	\$3,371.86	\$3,500.00	96.34%	\$128.14
401-000-000-534-00-44-00	Advertising & Printing	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-534-00-46-00	Insurance	\$1,967.93	\$19,859.65	\$19,900.00	99.80%	\$40.35
401-000-000-534-00-47-00	Electricity	\$2,473.53	\$27,230.06	\$30,000.00	90.77%	\$2,769.94
401-000-000-534-00-47-01	Water	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-534-00-47-02	Sewer	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-534-00-47-03	Storm Drainage	\$0.00	\$643.35	\$800.00	80.42%	\$156.65
401-000-000-534-00-48-00	Vehicle	\$0.00	\$1,762.53	\$2,500.00	70.50%	\$737.47
401-000-000-534-00-48-01	Water Line Replacement	\$0.00	\$0.00	\$3,000.00	0.00%	\$3,000.00
401-000-000-534-00-49-00	Miscellaneous	\$600.00	\$769.88	\$5,000.00	15.40%	\$4,230.12
401-000-000-534-00-49-01	Safety Training	\$0.00	\$195.00	\$500.00	39.00%	\$305.00
401-000-000-534-00-49-02	Software Upgrade	\$0.00	\$2,133.10	\$2,500.00	85.32%	\$366.90
<b>Total Water Utilities</b>		<b>\$34,197.37</b>	<b>\$526,917.27</b>	<b>\$557,736.00</b>	<b>94.47%</b>	<b>\$30,818.73</b>
<b>Total Utilities and Environment</b>		<b>\$34,197.37</b>	<b>\$526,917.27</b>	<b>\$557,736.00</b>	<b>94.47%</b>	<b>\$30,818.73</b>
<b>Debt Service</b>						
<b>Redemption of Long Term Debt - Proprietary Funds</b>						
401-000-000-591-34-72-00	Principal Pwtf - 94206	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-591-34-72-01	Principal Pwtf - 04-65104-	\$0.00	\$16,948.68	\$16,949.00	100.00%	\$0.32
401-000-000-591-34-72-02	Principal DWSRF 11-952-	\$0.00	\$20,475.00	\$20,475.00	100.00%	\$0.00
401-000-000-591-34-72-03	Principal DWSRF 11-952-	\$0.00	\$38,829.06	\$38,329.06	101.30%	(\$500.00)
401-000-000-591-34-72-04	Principal DWSRF 11-952-	\$0.00	\$3,465.00	\$3,465.00	100.00%	\$0.00
<b>Total Redemption of Long Term Debt - Proprietary</b>		<b>\$0.00</b>	<b>\$79,717.74</b>	<b>\$79,218.06</b>	<b>100.63%</b>	<b>(\$499.68)</b>
<b>Interest And Other Debt Service Costs</b>						
401-000-000-592-34-80-00	Interest Pwtf - 94206	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-592-34-83-01	Interest Pwtf - 04-65104-013	\$0.00	\$1,864.35	\$1,864.35	100.00%	\$0.00
401-000-000-592-34-83-02	Interest DWSRF 11-952-	\$0.00	\$5,835.37	\$5,835.37	100.00%	\$0.00
401-000-000-592-34-83-03	Interest DWSRF 11-952-	\$0.00	\$19,715.11	\$19,715.11	100.00%	\$0.00
401-000-000-592-34-83-04	Interest DWSRF 11-952-	\$0.00	\$1,332.66	\$1,332.66	100.00%	\$0.00
<b>Total Interest And Other Debt Service Costs</b>		<b>\$0.00</b>	<b>\$28,747.49</b>	<b>\$28,747.49</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Capital Expenditures</b>						
401-000-000-594-34-41-01	Engineering - Plant	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-594-34-41-02	Engineering - Distribution	\$0.00	\$3,417.50	\$0.00		(\$3,417.50)
401-000-000-594-34-62-01	Construction - Plant	\$0.00	\$845,999.99	\$846,000.00	100.00%	\$0.01
401-000-000-594-34-62-02	Construction - Distribution	\$0.00	\$3,330.45	\$3,500.00	95.16%	\$169.55

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
401-000-000-594-34-62-03	Plant Improvements	\$264.23	\$98,632.38	\$121,000.00	81.51%	\$22,367.62
401-000-000-594-34-64-00	Vehicle Purchase	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-594-34-64-01	Equipment	\$0.00	\$16,155.88	\$20,000.00	80.78%	\$3,844.12
401-000-000-594-34-64-02	Contingency	\$0.00	\$3,556.25	\$4,000.00	88.91%	\$443.75
<b>Total Capital Expenditures</b>		<b>\$264.23</b>	<b>\$971,092.45</b>	<b>\$994,500.00</b>	<b>97.65%</b>	<b>\$23,407.55</b>
<b>Transfer Out</b>						
401-000-000-597-00-00-02	Transfer TO 001	\$0.00	\$12,375.00	\$12,375.00	100.00%	\$0.00
401-000-000-597-00-00-03	Transfer TO 403 Usda 91-	\$0.00	\$4,354.00	\$4,354.00	100.00%	\$0.00
401-000-000-597-00-00-04	Transfer To403pwtf04-	\$0.00	\$0.00	\$0.00		\$0.00
401-000-000-597-00-00-05	Transfer to 101	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Transfer Out</b>		<b>\$0.00</b>	<b>\$16,729.00</b>	<b>\$16,729.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Total Debt Service</b>		<b>\$264.23</b>	<b>\$1,096,286.68</b>	<b>\$1,119,194.55</b>	<b>97.95%</b>	<b>\$22,907.87</b>
<b>Total Expenditure</b>		<b>\$34,461.60</b>	<b>\$1,623,203.95</b>	<b>\$1,676,930.55</b>	<b>96.80%</b>	<b>\$53,726.60</b>
<b>Total Water</b>		<b>\$34,461.60</b>	<b>\$1,623,203.95</b>	<b>\$1,676,930.55</b>	<b>96.80%</b>	<b>\$53,726.60</b>

**Water & Sewer Bond Redemption Expenditure**

<b>Debt Service</b>						
403-000-000-591-34-70-05	Pwtf 04-65104-013 Principal	\$0.00	\$0.00	\$0.00		\$0.00
403-000-000-591-34-72-00	Usda 91-01 Principal	\$0.00	\$2,263.59	\$2,378.00	95.19%	\$114.41
403-000-000-591-35-70-01	Pwtf 97-791-007 Principal	\$0.00	\$13,118.26	\$13,118.00	100.00%	(\$0.26)
403-000-000-591-35-70-03	Pwtf 04-691 Principal	\$0.00	\$1,496.22	\$1,496.00	100.01%	(\$0.22)
403-000-000-591-35-70-04	Pwtf 05-691 Principal	\$0.00	\$20,260.48	\$20,260.00	100.00%	(\$0.48)
403-000-000-591-35-72-01	Srf 94-08 Principal Only	\$0.00	\$104,307.88	\$104,308.00	100.00%	\$0.12
403-000-000-591-35-72-04	Pwtf - 06-962-0017 Principal	\$0.00	\$12,559.00	\$11,898.00	105.56%	(\$661.00)
403-000-000-591-35-72-05	PWTF PC13-961-054	\$0.00	\$0.00	\$0.00		\$0.00
403-000-000-591-35-72-06	B of P - 2008 - Principal	\$0.00	\$15,193.70	\$15,275.00	99.47%	\$81.30
403-000-000-591-35-72-07	PWTF PR09-951-050	\$0.00	\$0.00	\$0.00		\$0.00
403-000-000-591-35-78-00	DOE SRF L1300001-	\$0.00	\$133,626.05	\$133,626.00	100.00%	(\$0.05)
403-000-000-591-35-78-01	DOE SRF L1300003 -	\$0.00	\$36,483.90	\$38,964.00	93.63%	\$2,480.10
403-000-000-591-35-78-02	DOE SRF L1300006 -	\$0.00	\$4,611.17	\$4,892.00	94.26%	\$280.83
<b>Interest And Other Debt Service Costs</b>						
403-000-000-592-34-80-00	Usda 91-01 Interest	\$0.00	\$2,090.41	\$1,976.00	105.79%	(\$114.41)
403-000-000-592-34-80-02	Pwtf - 2003 Interest	\$0.00	\$0.00	\$0.00		\$0.00
403-000-000-592-34-80-03	Ptwf 04-691 Interest	\$0.00	\$137.16	\$150.00	91.44%	\$12.84
403-000-000-592-35-80-00	Usda 92-07 Interest	\$0.00	\$0.00	\$0.00		\$0.00
403-000-000-592-35-80-01	Usda-Sbr #3 - Interest	\$0.00	\$0.00	\$0.00		\$0.00
403-000-000-592-35-80-04	Pwtf - 06-962-0017 Interest	\$0.00	\$690.75	\$1,428.00	48.37%	\$737.25
403-000-000-592-35-80-05	PWTF PC13-961-054	\$0.00	\$1,226.85	\$1,226.00	100.07%	(\$0.85)
403-000-000-592-35-80-06	B of P - 2008 - Interest	\$0.00	\$14,453.10	\$14,372.00	100.56%	(\$81.10)
403-000-000-592-35-80-07	Pwtf 05-691 Interest	\$0.00	\$4,085.87	\$4,457.00	91.67%	\$371.13
403-000-000-592-35-80-08	Pwtf 97-791-007 Interest	\$0.00	\$1,082.26	\$1,181.00	91.64%	\$98.74
403-000-000-592-35-80-09	Pwtf 04-65104-013 Interest	\$0.00	\$0.00	\$0.00		\$0.00
403-000-000-592-35-80-10	PWTF PR09-951-050	\$0.00	\$0.00	\$0.00		\$0.00
403-000-000-592-35-83-00	DOE SRF L1300001-	\$0.00	\$82,040.65	\$82,041.00	100.00%	\$0.35
403-000-000-592-35-83-01	DOE SRF L1300003 -	\$0.00	\$24,009.22	\$25,641.00	93.64%	\$1,631.78
403-000-000-592-35-83-02	DOE SRF L1300006 -	\$0.00	\$248.37	\$263.00	94.44%	\$14.63
<b>Total Interest And Other Debt Service Costs</b>		<b>\$0.00</b>	<b>\$130,064.64</b>	<b>\$132,735.00</b>	<b>97.99%</b>	<b>\$2,670.36</b>
<b>Total Debt Service</b>		<b>\$0.00</b>	<b>\$473,984.89</b>	<b>\$478,950.00</b>	<b>98.96%</b>	<b>\$4,965.11</b>
<b>Total Expenditure</b>		<b>\$0.00</b>	<b>\$473,984.89</b>	<b>\$478,950.00</b>	<b>98.96%</b>	<b>\$4,965.11</b>
<b>Total Water &amp; Sewer Bond Redemption</b>		<b>\$0.00</b>	<b>\$473,984.89</b>	<b>\$478,950.00</b>	<b>98.96%</b>	<b>\$4,965.11</b>

**Stormwater**

<b>Expenditure</b>						
<b>Utilities and Environment</b>						
<b>Flood Control</b>						
408-000-000-531-38-10-00	Salaries & Wages	\$1,292.31	\$14,819.34	\$15,107.00	98.10%	\$287.66
408-000-000-531-38-20-00	Benefits	\$382.37	\$4,947.15	\$5,335.00	92.73%	\$387.85
408-000-000-531-38-31-01	Operations & Maintenance	\$536.29	\$10,249.98	\$11,500.00	89.13%	\$1,250.02
408-000-000-531-38-31-02	Excise Tax	\$92.14	\$1,474.27	\$1,600.00	92.14%	\$125.73
408-000-000-531-38-32-00	Gas/Oil Products	\$102.30	\$1,187.39	\$1,400.00	84.81%	\$212.61
408-000-000-531-38-35-00	Small Tools	\$0.00	\$156.56	\$200.00	78.28%	\$43.44
408-000-000-531-38-43-02	Training	\$20.00	\$20.00	\$0.00		(\$20.00)
408-000-000-531-38-46-00	Insurance	\$69.97	\$706.10	\$750.00	94.15%	\$43.90
<b>Total Flood Control</b>		<b>\$2,495.38</b>	<b>\$33,560.79</b>	<b>\$35,892.00</b>	<b>93.50%</b>	<b>\$2,331.21</b>
<b>Total Utilities and Environment</b>		<b>\$2,495.38</b>	<b>\$33,560.79</b>	<b>\$35,892.00</b>	<b>93.50%</b>	<b>\$2,331.21</b>
<b>Debt Service</b>						
<b>Redemption of Long Term Debt - Proprietary Funds</b>						
408-000-000-591-38-72-01	Strmwater -Principal	\$0.00	\$3,588.27	\$3,588.00	100.01%	(\$0.27)
408-000-000-591-38-72-02	Pw-04-691 Principal	\$0.00	\$1,496.22	\$1,496.00	100.01%	(\$0.22)
408-000-000-591-38-72-03	Pw-05-691-023 Principal	\$0.00	\$20,260.48	\$20,260.00	100.00%	(\$0.48)
<b>Total Redemption of Long Term Debt - Proprietary</b>		<b>\$0.00</b>	<b>\$25,344.97</b>	<b>\$25,344.00</b>	<b>100.00%</b>	<b>(\$0.97)</b>
<b>Interest And Other Debt Service Costs</b>						

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
408-000-000-592-31-83-01	Strmwater - Interest	\$0.00	\$1,130.61	\$1,131.00	99.97%	\$0.39
408-000-000-592-31-83-02	Pw-04-691 Interest	\$0.00	\$137.16	\$150.00	91.44%	\$12.84
408-000-000-592-31-83-03	Pw-05-691-023 Interest	\$0.00	\$4,085.86	\$4,085.00	100.02%	(\$0.86)
<b>Total Interest And Other Debt Service Costs</b>		<b>\$0.00</b>	<b>\$5,353.63</b>	<b>\$5,366.00</b>	<b>99.77%</b>	<b>\$12.37</b>
<b>Capital Expenditures</b>						
408-000-000-594-31-64-00	Drainage Construction	\$0.00	\$12,607.70	\$15,000.00	84.05%	\$2,392.30
<b>Total Capital Expenditures</b>		<b>\$0.00</b>	<b>\$12,607.70</b>	<b>\$15,000.00</b>	<b>84.05%</b>	<b>\$2,392.30</b>
<b>Transfer Out</b>						
408-000-000-597-00-00-03	Transfer TO 001-Bldg.	\$0.00	\$5,500.00	\$5,500.00	100.00%	\$0.00
<b>Total Transfer Out</b>		<b>\$0.00</b>	<b>\$5,500.00</b>	<b>\$5,500.00</b>	<b>100.00%</b>	<b>\$0.00</b>
<b>Total Debt Service</b>		<b>\$0.00</b>	<b>\$48,806.30</b>	<b>\$51,210.00</b>	<b>95.31%</b>	<b>\$2,403.70</b>
<b>Total Expenditure</b>		<b>\$2,495.38</b>	<b>\$82,367.09</b>	<b>\$87,102.00</b>	<b>94.56%</b>	<b>\$4,734.91</b>
<b>Total Stormwater</b>		<b>\$2,495.38</b>	<b>\$82,367.09</b>	<b>\$87,102.00</b>	<b>94.56%</b>	<b>\$4,734.91</b>

**Sewer**

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
<b>Expenditure</b>						
409-000-000-520-35-83-02	DOE SRF L1300006 -	\$0.00	\$0.00	\$0.00		\$0.00
<b>Utilities and Environment</b>						
<b>Sewer Utilities</b>						
409-000-000-535-00-10-00	Salaries And Wages	\$8,128.32	\$135,006.94	\$145,423.00	92.84%	\$10,416.06
409-000-000-535-00-20-00	Employee Benefits	\$2,264.33	\$46,646.36	\$53,378.00	87.39%	\$6,731.64
409-000-000-535-00-31-00	Operation & Maintenance	\$0.00	\$0.00	\$0.00		\$0.00
409-000-000-535-00-31-01	Operations And	\$1,519.05	\$20,588.73	\$21,000.00	98.04%	\$411.27
409-000-000-535-00-31-02	Chemicals	\$1,374.94	\$21,091.05	\$22,000.00	95.87%	\$908.95
409-000-000-535-00-31-03	Excise Tax	\$1,016.43	\$14,097.97	\$15,530.00	90.78%	\$1,432.03
409-000-000-535-00-31-04	Annual Meter Calibrations	\$0.00	\$1,592.71	\$2,000.00	79.64%	\$407.29
409-000-000-535-00-31-05	Doe Annual Permit	\$2,764.86	\$13,366.64	\$12,350.00	108.23%	(\$1,016.64)
409-000-000-535-00-31-06	Screen Panels And Brushes	\$0.00	\$1,084.69	\$1,500.00	72.31%	\$415.31
409-000-000-535-00-31-07	Lab Supplies	\$1,337.55	\$12,273.68	\$12,000.00	102.28%	(\$273.68)
409-000-000-535-00-31-08	Office Supplies & Customer	\$623.68	\$5,758.06	\$5,700.00	101.02%	(\$58.06)
409-000-000-535-00-32-00	Gas/oil Products	\$207.35	\$2,602.50	\$3,000.00	86.75%	\$397.50
409-000-000-535-00-35-00	Small Tools	\$0.00	\$359.35	\$500.00	71.87%	\$140.65
409-000-000-535-00-41-00	Attorney Fees	\$0.00	\$2,759.40	\$3,000.00	91.98%	\$240.60
409-000-000-535-00-41-01	Professional Services -	\$7,524.57	\$24,451.92	\$20,000.00	122.26%	(\$4,451.92)
409-000-000-535-00-41-02	Professional Services -	\$203.52	\$7,866.95	\$8,500.00	92.55%	\$633.05
409-000-000-535-00-41-04	Professional Services -	\$0.00	\$0.00	\$0.00		\$0.00
409-000-000-535-00-41-05	Professional Services	\$5,580.46	\$28,513.80	\$25,000.00	114.06%	(\$3,513.80)
409-000-000-535-00-42-00	Communications	\$547.11	\$5,263.89	\$5,300.00	99.32%	\$36.11
409-000-000-535-00-43-01	Travel/meals & Lodging	\$801.61	\$1,505.34	\$1,500.00	100.36%	(\$5.34)
409-000-000-535-00-43-02	Training	\$111.00	\$1,898.00	\$2,500.00	75.92%	\$602.00
409-000-000-535-00-45-00	Spray Sludge Disposal Site	\$1,300.00	\$39,234.80	\$38,000.00	103.25%	(\$1,234.80)
409-000-000-535-00-46-00	Insurance	\$1,453.84	\$25,596.25	\$28,000.00	91.42%	\$2,403.75
409-000-000-535-00-47-01	Electricity	\$5,857.85	\$52,300.32	\$55,000.00	95.09%	\$2,699.68
409-000-000-535-00-47-02	Water	\$769.67	\$5,298.79	\$5,500.00	96.34%	\$201.21
409-000-000-535-00-47-03	Sewer	\$836.66	\$6,498.89	\$7,200.00	90.26%	\$701.11
409-000-000-535-00-47-04	Garbage Services	\$214.84	\$1,961.36	\$2,200.00	89.15%	\$238.64
409-000-000-535-00-47-05	Storm Drainage	\$65.95	\$501.31	\$600.00	83.55%	\$98.69
409-000-000-535-00-48-01	Repairs And Maintenance	\$0.00	\$12,709.74	\$14,000.00	90.78%	\$1,290.26
409-000-000-535-00-48-02	Annual Pipe Clean/tv	\$0.00	\$12,182.47	\$12,200.00	99.86%	\$17.53
409-000-000-535-00-48-03	Miscellaneous	\$0.00	\$3,292.42	\$3,500.00	94.07%	\$207.58
<b>Total Sewer Utilities</b>		<b>\$44,503.59</b>	<b>\$506,304.33</b>	<b>\$526,381.00</b>	<b>96.19%</b>	<b>\$20,076.67</b>
<b>Total Utilities and Environment</b>		<b>\$44,503.59</b>	<b>\$506,304.33</b>	<b>\$526,381.00</b>	<b>96.19%</b>	<b>\$20,076.67</b>
<b>Debt Service</b>						
<b>Capital Expenditures</b>						
409-000-000-594-35-63-00	Sewer Line Replace/repair	\$0.00	\$0.00	\$0.00		\$0.00
409-000-000-594-35-63-01	Engineering - Collection	\$0.00	\$0.00	\$285,000.00	0.00%	\$285,000.00
409-000-000-594-35-64-01	Machinery & Equipment	\$112,069.76	\$115,145.68	\$150,000.00	76.76%	\$34,854.32
409-000-000-594-35-64-02	Vehicle Purchase -Grit Trlr	\$0.00	\$0.00	\$0.00		\$0.00
409-000-000-594-35-64-03	Pump	\$0.00	\$0.00	\$0.00		\$0.00
409-000-000-594-63-35-04	Treatment Plant Roof	\$0.00	\$0.00	\$0.00		\$0.00
<b>Equipment</b>						
409-000-000-594-64-35-00	Software Upgrade	\$0.00	\$0.00	\$0.00		\$0.00
409-000-000-594-64-35-04	Add'l Machinery &	\$0.00	\$12,514.72	\$15,000.00	83.43%	\$2,485.28
409-000-000-594-64-35-05	Contingency	\$0.00	\$0.00	\$0.00		\$0.00
<b>Total Equipment</b>		<b>\$0.00</b>	<b>\$12,514.72</b>	<b>\$15,000.00</b>	<b>83.43%</b>	<b>\$2,485.28</b>
<b>Total Capital Expenditures</b>		<b>\$112,069.76</b>	<b>\$127,660.40</b>	<b>\$450,000.00</b>	<b>28.37%</b>	<b>\$322,339.60</b>
<b>Transfer Out</b>						
409-000-000-597-00-00-02	Transfer TO 001-Bldg.	\$0.00	\$20,275.00	\$20,275.00	100.00%	\$0.00
409-000-000-597-00-00-04	Wwtp - TO 403 Srf	\$0.00	\$385,327.24	\$385,237.00	100.02%	(\$90.24)
409-000-000-597-00-00-05	Wwtp - TO 403 Pwtf	\$0.00	\$15,427.37	\$15,427.00	100.00%	(\$0.37)
409-000-000-597-00-00-10	TO 403 Wwtp Pwtf 06-962-	\$0.00	\$13,249.75	\$13,249.00	100.01%	(\$0.75)
409-000-000-597-00-00-11	TO 403 Wwtp Pwtf Red05-	\$0.00	\$24,346.36	\$24,349.00	99.99%	\$2.64
409-000-000-597-00-00-12	TO 403 Wwtp Pwtf Red04-	\$0.00	\$1,633.38	\$1,633.00	100.02%	(\$0.38)

Account Number	Title	Period	Fiscal	Budget	% of Total	Balance
409-000-000-597-00-00-13	WWTP to 403 PWTF PR09-	\$0.00	\$0.00	\$0.00		\$0.00
409-000-000-597-00-00-14	TO 404 Wwtp B of P	\$0.00	\$2,965.00	\$2,965.00	100.00%	\$0.00
409-000-000-597-00-00-15	TO 403 Wwtp-B of P 2008	\$0.00	\$29,646.80	\$26,948.00	110.01%	(\$2,698.80)
409-000-000-597-00-00-16	Wwtp - TO 404 Srf Reserve	\$0.00	\$17,588.00	\$17,588.00	100.00%	\$0.00
<b>Total Transfer Out</b>		<b>\$0.00</b>	<b>\$510,458.90</b>	<b>\$507,671.00</b>	<b>100.55%</b>	<b>(\$2,787.90)</b>
<b>Total Debt Service</b>		<b>\$112,069.76</b>	<b>\$638,119.30</b>	<b>\$957,671.00</b>	<b>66.63%</b>	<b>\$319,551.70</b>
<b>Total Expenditure</b>		<b>\$156,573.35</b>	<b>\$1,144,423.63</b>	<b>\$1,484,052.00</b>	<b>77.11%</b>	<b>\$339,628.37</b>
<b>Total Sewer</b>		<b>\$156,573.35</b>	<b>\$1,144,423.63</b>	<b>\$1,484,052.00</b>	<b>77.11%</b>	<b>\$339,628.37</b>
<b>Grand Totals</b>		<b>\$317,902.19</b>	<b>\$4,379,481.31</b>	<b>\$4,880,014.55</b>	<b>89.74%</b>	<b>\$500,533.24</b>

# Cash and Investment Activity

Period: 2015 - December  
Period Totals

Fund	Beginning		Activity		Ending		Ending Balance
	Cash	Investments	In	Out	Cash	Investments	
001	\$229,694.66	\$0.00	\$81,473.17	\$114,590.72	\$196,577.11	\$0.00	\$196,577.11
101	\$104,172.08	\$0.00	\$9,285.51	\$4,882.06	\$108,575.53	\$0.00	\$108,575.53
104	\$75,328.11	\$0.00	\$1,572.51	\$6,077.42	\$70,823.20	\$0.00	\$70,823.20
301	\$7,228.09	\$0.00	\$738.87	\$0.00	\$7,966.96	\$0.00	\$7,966.96
401	\$218,796.73	\$0.00	\$60,350.04	\$34,461.60	\$244,685.17	\$0.00	\$244,685.17
402	\$0.12	\$0.00	\$0.00	\$0.00	\$0.12	\$0.00	\$0.12
403	\$0.01	\$0.00	\$0.00	\$0.00	\$0.01	\$0.00	\$0.01
404	\$368,284.55	\$0.00	\$0.00	\$0.00	\$368,284.55	\$0.00	\$368,284.55
408	\$47,476.78	\$0.00	\$5,767.84	\$2,495.38	\$50,749.24	\$0.00	\$50,749.24
409	\$264,407.27	\$0.00	\$72,441.67	\$156,573.35	\$180,275.59	\$0.00	\$180,275.59
631	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
632	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
999	(\$1,108,676.49	\$1,108,676.49	\$33,146.95	\$33,146.95(\$1,141,823.44)	\$1,141,823.44	\$1,141,823.44	\$0.00
	<b>\$206,711.91</b>	<b>\$1,108,676.49</b>	<b>\$231,629.61</b>	<b>\$319,080.53</b>	<b>\$86,114.04</b>	<b>\$1,141,823.44</b>	<b>\$1,227,937.48</b>

**CITY OF ILWACO**  
**CITY COUNCIL AGENDA ITEM BRIEFING**

A. Meeting Dates: Council Workshop: Public Hearing:  
Council Discussion Item: 01/25/16 Council Business Item:

B. Issue/Topic: **Temporary Stockpile Removal**

C. Sponsor(s):

1. Chambreau
- 2.

D. Background (overview of why issue is before council):

1. In late October, J.E.McAmis completed their contract on the North Jetty improvements and offered left over material to the City and Port. Approximately 4,000 cubic yards of commercially sourced material from the Drake Pit, owned by Big River Construction in Astoria, was placed on an empty gravel parking lot at the Port of Ilwaco. This action was done without prior permitting by the proper agencies.

E. Discussion (specific details relevant to the issue, pros/cons, alternatives and any other decision-making details)

1. Included in the agenda item material is a copy of the Administrative Interpretation prepared by the City Planner at the request of citizen Ryan Crater. This document summarizes the background and gives a complete analysis, findings and conclusions.
2. On January 19, 2016 the City Planner drafted a memo regarding a site visit by DOE and offered two options for the removal of the stockpile.

F. Impacts:

1. Fiscal: \$1802.63 from planning services to date. It is expected that outstanding bills will significantly increase the fiscal impact. Option 2 would cost an additional \$1,300.00 in permit fees plus planning costs.
2. Legal: Reviewed by Heather Reynolds
3. Personnel:
4. Service/Delivery:

G. Planning Commission:  Recommended  N/A  Public Hearing on

H. Staff Comments:

- 1.

I. Time Constraints/Due Dates: None

J. Proposed Motion: **I move to authorize the mayor to choose Option 1/ Option 2 as proposed in the memo from CWCOG dated January 19, 2016 in regards to the temporary stockpile removal.**

## City Clerk

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**From:** Johnson, Deborah <djohnson@cwccog.org>  
**Sent:** Tuesday, January 19, 2016 11:29 AM  
**To:** Beller, Holly; Cassinelli, Mike; Smith, Ariel  
**Cc:** Glenn, Guy; mdaniel@watershedco.com; Rubin, Sam  
**Subject:** Temporary stockpile removal

This memo is in follow-up to your request that I contact Dept. of Ecology regarding the "remedial" option identified in my earlier administrative interpretation. I am summarizing my conversation this morning with Rick Mraz at DOE. I believe it would be prudent for you to visit with your legal counsel about the two alternatives for action identified at the bottom.

I advised Mr. Mraz that the City wishes to have the stockpile removed. He said he went and looked at it last Monday. He stated that the silt fence had been properly installed. He did note a point at the SE corner where the silt fence is allowing discharge to pass through and recommended placing one or more hay bales in that location on the outside of the silt fencing until it can be removed. He did not feel that a shoreline permit would be required and reiterated the Army Corps' position that it would not require permits.

He stated "We really don't have jurisdiction here" (except to make certain the conditions of the shoreline master program are met). He clarified that DOE considers the "controlling" SMP to be the original 1974 one, not the 2000 one I referenced in the interpretation. (Note: This creates a conflict with IMC 15.14.010.A, which would recognize the County's 2000 plan as controlling. This should be cured by forthcoming adoption of a new SMP.)

Mr. Mraz didn't really have concerns if the City simply sees to it that the stockpile is removed. He cited to case law *Cowiche Canyon Conservancy v. Bosley* <<http://law.justia.com/cases/washington/supreme-court/1992/56505-8-1.html>> in which the state Supreme Court found the removal of railroad trestles did not violate the Shoreline Management Act (SMA) because it did not constitute "development" subject to the SMA. (There's a much longer discussion of this in the decision at the link.) At the same time, he cautioned that if the City wishes to make its actions "bulletproof" in terms of someone potentially appealing or taking some other form of legal action, then perhaps it will wish to issue a shoreline substantial development permit (SSDP) - NOT a shoreline conditional use permit - and SEPA threshold determination for the action. He stated that if the City issues a SSDP, what happens at DOE's end is that he files it and there's a 21-day appeal period.

At the beginning of our conversation, Mr. Mraz indicated that he had just spoken with Mark Daniel from The Watershed Company. Mr. Daniel tried to reach me as I was on the phone with Mr. Mraz, and I subsequently spoke to him. He is cc'd on this e-mail as he stated The Watershed Company would be tasked with preparing any application if necessary.

Generally, Mr. Mraz, Mr. Daniel, and I all agreed that removal of the stockpile is in keeping with the outcome that would be desired by the complainant. I did not have the sense that DOE feels strongly about the need for a SSDP. To some extent, this boils down to guessing at what future action(s), if any, the complainant may take and reacting to that prediction.

At this point, the City can:

(1) Act to remove or allow removal of the temporary stockpile lacking any permit action. If this is the preferred action, I **\*strongly\*** recommend that the removal be actively supervised to ensure that the work does not accidentally push any soil into the adjacent wetland, that no in-water work of any kind occurs, and that best management practices are observed as the material is removed. I also encourage the City and/or Port to document its actions in writing and with photos in the case of subsequent action.

(2) Alternately, the City and/or Port can delay removal of the temporary stockpile until it has applied for and acquired a SSDP for this work (including SEPA review).

Please let me know if you have any questions or need additional information.

Deborah Johnson

Community & Economic Development Planner

Cowlitz-Wahkiakum Council of Governments

207 Fourth Avenue North

Kelso, WA 98626-4195

<http://www.cwcog.org>

<http://ci.castle-rock.wa.us>

[qUioz[1]]360.577.3041 x 2581

City Planner

City of Castle Rock

PO Box 370

Castle Rock, WA 98611

[http://ci.castle-](http://ci.castle-rock.wa.us)

[http://www.ccapine.com.au/images/fax.png] 855.710.6381



120 First Avenue North  
PO Box 548 • Ilwaco, WA 98624  
City Hall Phone: 360.642.3145  
City Planner Phone: 360.577.3041  
[www.ilwaco-wa.gov](http://www.ilwaco-wa.gov)

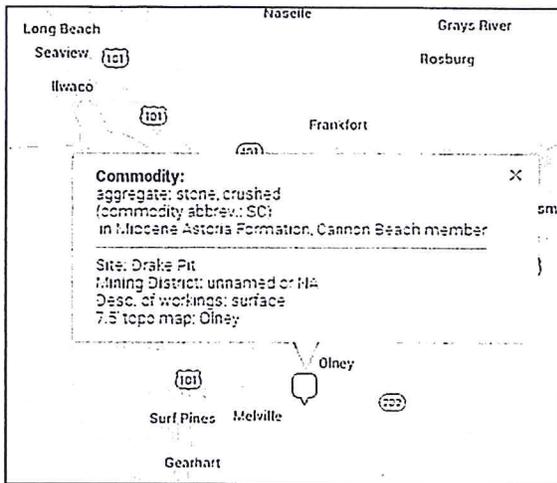
**Subject:** Administrative interpretation under Section 15.08.140 of the Ilwaco Municipal Code (IMC) - Placement of fill material on existing pad adjacent to marina owned by Port of Ilwaco

**Background:** In late 2015, the City of Ilwaco and/or the Port of Ilwaco allowed, without permits or environmental review, approximately 4,000 cubic yards of fill material to be placed on an undeveloped pad located to the east of the marina that is owned by the Port of Ilwaco. The pad has typically and historically been used for boat trailer parking/storage, a use that is reflected in the Port of Ilwaco's current Waterfront Master Plan. City staff indicated the intent was to store the material there temporarily and to periodically, irregularly remove amounts smaller than the whole for use in public projects elsewhere.

The individual who has requested this administrative interpretation reportedly submitted one or more complaints of illegal filling to at least one regulatory agency. As the deposited material was found to have been associated with a mid-year repair project involving the north jetty at the mouth of the Columbia River under the auspices of the Army Corps of Engineers, the Army Corps began looking into the matter. It was brought to the attention of the City Planner around the same time. While also examining the issue, the City Planner advised the City that nothing more should be done with the fill material, including moving it around on the site or removing it, until a path of action was clarified. Placement of a silt fence to avoid runoff was suggested. Most recently, the City was encouraged to proceed with placing a silt fence around the fill material because of this winter's severe rains.

The material was found not to be dredge spoils associated with the Army Corps project but excess construction supply, which was delivered pursuant to an informal arrangement with the City and/or Port. Its placement on the site did not constitute illegal dumping, and it was placed intentionally and in good faith by the parties involved. It is composed of clean fill sourced from the Drake Pit owned by Big River Construction in Astoria. The project manager for J.E. McAmis, contractor to the Army Corps for the project, estimated that 95 percent of the material is the commercially sourced fill, while perhaps five percent is native beach sand that was inadvertently scooped up along with the supply when it was removed from the temporary storage site for the Army Corps project.

Figure 1. Fill Source<sup>1</sup>



In reviewing the matter with Rick Mraz, Washington State Department of Ecology (DOE) wetland staff for Southwest Washington, the City Planner learned that the pad itself was created in the 1970s as a part of what appears to be original marina construction, according to historic aerial views maintained by DOE (specifically, 1977 photo). As the State Environmental Policy Act (SEPA) and Shoreline Management Act (SMA) were both initially adopted in the 1970s, it is unknown how the marina construction was timed in relation to those regulations and whether original creation of

the pad underwent review under SEPA/SMA and, if so, to what extent that review would be relevant against current regulations; it may constitute a nonconforming use as defined in the controlling Shoreline Master Program (SMP). It forms a portion of the easterly boundary of the marina and is assumed to be a part of legal filling that occurred concurrent with and integral to the marina construction. This is supported by The Watershed Company's work<sup>2</sup> underpinning the City's pending SMP update, which finds that "the majority of the [marina] shoreline is composed of nearshore fill." Various aerial views of the site are included in Appendix A. Older-appearing rip rap is present along the eastern side of the pad, abutting the wetlands.

The pad is located next to and above a wetland, described in The Watershed Company's work referenced above as "A wetland marsh...located east of the [ordinary high water mark], outside of the marina. ...The tidal marsh on the eastern edge of the reach may provide functional benefits, such as filtering excess nutrients, fine sediment, and toxic substances, and attenuating energy." The aerials in Appendix A show its relationship to the pad. In turn, the wetland forms the westerly boundary of the approximately 20-acre Baker Bay salt marsh, separately characterized by The Watershed Company as "likely [supporting] a rich benthic invertebrate community and [providing] export of organic detritus and nutrient filtration functions. The area also provides foraging and wintering habitat for waterfowl and shorebirds."

<sup>1</sup> Source: Oregon Department of Geology & Mineral Industries

<sup>2</sup> Shoreline Analysis Report for Shorelines in the City of Ilwaco: Columbia River, Wallacut River, Black Lake, and Pacific Ocean. The Watershed Company, September 2014.

Richard Chong from the Army Corps of Engineers concluded his review of the matter with an e-mail on November 17, 2015, stating that the Army Corps had finished its "investigation of the temporary fill pad located at the Port of Ilwaco. The entire fill pad was placed within a gravel parking lot. The fill was not placed within wetlands based on data point samples taken between the temporary fill pad and the adjacent estuarine wetlands of Baker Bay." The e-mail went on to suggest, but not require, placement of a silt fence. It further stated that the temporary fill pad is not subject to Corps Section 404 or Section 10 jurisdiction.

**Analysis, including references:**

1. IMC 15.08.140.A allows an interpretation request regarding "the meaning or application of the city's development regulations applicable to project permit applications. In this situation, there is not yet a project permit application pursuant to IMC 15.08.060, a determination of completeness pursuant to IMC 15.08.070, or a determination of consistency with existing plans and regulations pursuant to IMC 15.08.100. The City Planner had more or less finished collecting background information to inform the process when work was redirected to a different project. Lacking the items listed above, the City Planner does not believe this matter is ripe for administrative interpretation. *Any findings and conclusions offered at this point are merely speculative and offered on the basis of available information, may or may not reflect planning analysis and/or recommendations once a permit application is perfected, and should not be relied upon in assessing the adequacy of any process or action.*
2. Section 46.56.070 of the Revised Code of Washington (RCW) addresses documents and records that are subject to the state Public Records Act. "Interim and final planning decisions" are among these items. By contrast, "preliminary drafts, notes, [and] recommendations...in which opinions are expressed" are exempt from public disclosure. (RCW 42.56.280) The Association of Washington Cities counsels that "local governments are not required to create documents in order to comply with a request for specific information" and that they are "not obligated to compile information from various records so that information is in a form that is more useful to the requestor."<sup>3</sup> This is consistent with the model rules for the Public Records Act in WAC 44-14-04003(5), which likewise state that no such obligation exists but leaves it up to local policy. Although the request for administrative interpretation is not a public records request per se, the City Planner believes that

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<sup>3</sup> Public Records Act for Washington Cities, Counties, and Special Purpose Districts. Municipal Research and Services Center, 2015.

the public records aspect has bearing in this situation because of the “ripeness” issue: the City Planner is called upon to create a record that does not exist in reliance on preliminary notes, opinions, and intermediate recommendations in order to render what is essentially an interim planning decision. Any decision about this matter is not at the City Planner’s discretion but is expected to ultimately involve future deliberation by the Planning Commission, City Council, and one or more other regulatory agencies (at minimum, DOE). As such, *this administrative interpretation should not be construed as constituting a final planning decision on this matter.*

3. At issue is alleged filling proximate to a jurisdictional wetland. (E-mail from requestor, December 7, 2015) The City Planner agrees that a jurisdictional wetland abuts the site (see additional discussion below). However, the City Planner does not interpret the placement of material on the site as constituting filling. “Filling” and “stockpiling” are two discretely separate activities that, along with other listed activities, broadly constitute “land alteration” under Section 2.26 of the City’s critical areas ordinance (CAO – Ordinance No. 614 as adopted by reference under IMC 15.18.010). Neither “filling” nor “stockpiling” is defined in the CAO, the shoreline master program (SMP) adopted under IMC 15.14.010, or the development regulations (IMC 15.04.020). IMC 15.04.010 states that “words not defined will be presumed to have common and universally-accepted dictionary meanings.” Merriam-Webster defines “fill” to mean “[raising] the level of with fill <filled land>” and “stockpile” as “a storage pile; a reserve supply of something essential accumulated within a country for use during a shortage; or a gradually accumulated reserve of something.” Other commonly used dictionaries define these words similarly. As opposed to filling, the use upon the site constitutes a stockpile comprised of fill material. Based upon City staff’s description of the intended use of the stockpile and Port staff’s description of the enduring use of the pad, the City Planner further interprets the stockpile as being a temporary use upon the site.
4. Because the City has no regulations specific to stockpiles, the City Planner sought out other sources of information on storage and best management practices (BMPs) related to stockpiles. This has been explored with DOE in the Proposed Approach for “Pilot” Soil Stockpile Sampling Event and Conceptual Soil Management Plan (Port Angeles Rayonier Mill Site, March 2013 & amended August 2013), which went on to be implemented. It includes a perspective (cutaway) view of a typical stockpile showing graded edges with an approximate two percent slope and height of up to 12 feet. Although this was for a different purpose – to contain and sample contaminated soil associated with a former industrial site – it offers a model for maintaining a temporary stockpile in a way that minimizes runoff.

Additionally, because the stockpile is composed primarily of mined material, the City Planner reviewed DOE's erosion and sediment control plan resources related to sand and gravel permits. Structural and stabilization practices are among the listed BMPs to avoid erosion and control stormwater runoff; this includes (among other potential measures) silt fencing and "decreasing slope angles or lengths." Slopes, terracing, and erosion control are also addressed in Chapter 70 of the Uniform Building Code, Excavation and Grading. (It should be noted that the City has adopted, by reference under IMC 14.40.010, the Uniform Building Code. However, "stockpiling of rock, sand, gravel, aggregate, or clay" is among the exemptions in Sec. 7003(b). Therefore, no grading permit is required for this project.) The grading of the temporary stockpile may have been mistaken for filling, when in reality it was sculpted similar to the Rayonier model and BMPs described in other sources; rather than being dumped in a large pile, it was spread to a relatively low, consistent height and a gradual edge slope maintained. The City Planner interprets this action as being appropriate and in keeping with BMPs for stockpiling<sup>4</sup>, and that it does not constitute filling.

5. Although stockpiles are listed as one form of land alteration (citation above) in the CAO, they are not listed in the activities regulated under the third sentence of Section 3.A of the CAO, to which the requestor refers. There is no "cumulative filling, grading, or clearing activity" "in excess of twenty (20) cubic yards of material" that is "within 100 feet of any critical area." Instead, a stockpile containing more than 20 cubic yards of fill material has been placed within 100 feet of a critical area, specifically a wetland. While this activity is not subject to the requirements of the third sentence cited above, because the stockpile constitutes land alteration, it is subject to the immediately previous (second) sentence within the same passage that states: "The City of Ilwaco shall not grant any permit...or other development approval to alter the condition of any land...nor shall any person alter the condition of any land...for any development proposal which requires a governmental permit regulated by [the CAO], except in compliance with the provisions of [the CAO]."

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<sup>4</sup> Also reviewed: Environmental Issue Construction and Maintenance Practices Compendium, Roadside Management and Maintenance: Beyond Vegetation, Stockpiling, Spoil Disposal or Placement of Inert Fill, Center for Environmental Excellence, AASHTO; Excavation, Fill, and Stockpile (Grading) Permit Application Packet, Clark County, Washington; Best Management Practices for Routine Road Maintenance, Adopted for Washington County DLUT from Oregon Department of Transportation Best Management Practices for Routine Road Maintenance, September 2004; Best Management Practices for Handling Excess Construction Soils in Ontario, Residential and Civil Construction Alliance of Ontario; and City of Phoenix Stockpile Permit Guidelines.

6. The site lies within the C-2 Low Density Commercial District regulated under Chapter 15.33 IMC.

Figure 2. Zoning<sup>5</sup>



IMC 15.33.020 refers to the table in Chapter 15.44 IMC for allowed uses. Stockpiles are not among the uses listed in IMC 15.44.020 or elsewhere within the IMC. IMC 15.48.010.B renders any unlisted use subject to a conditional use permit. Stockpiles, either enduring or temporary, could be allowed within this zoning district or any other within the city, but only as a conditional use.

7. Under IMC 8.08.020, “junk” includes “all articles such as...building materials” that are “left outside of any fully enclosed structure” and are “exposed to the natural elements.” The placement or maintenance of “junk” upon a site constitutes a public nuisance under IMC 8.04.010.F. A stockpile of clean fill could be interpreted as a “building material”; however, the City Planner does not interpret the stockpile to constitute junk or a public nuisance because it was intentionally acquired by one or more public entities with a specific purpose in mind and is intended to be held temporarily.
8. The Watershed Company’s work cited above contributed to the development of a new SMP for Ilwaco; however, it has not yet been adopted. Per IMC 15.14.010, the City has adopted by reference Pacific County’s SMP, “as it is now written or will later be amended.” Currently, this relates to the 2000 version adopted under Pacific Co. Resolution No. 2000-039; however, Pacific County is also working toward adopting a new SMP. In addition, the City is also considering a new CAO. Because these various amendments are in motion, this bears a look at how vesting might apply to this project. The Washington State legislature has codified the vesting doctrine only as applied to building permits, subdivisions, and development agreements. However, common law application of vested rights may extend to the type of permits contemplated here. The City Planner believes that some of the case law relative to the vesting doctrine presented by the Municipal Research and Services Center<sup>6</sup> could be pertinent to this situation. This could potentially mean that environmental regulations applicable to the project change after a permit application is perfected.

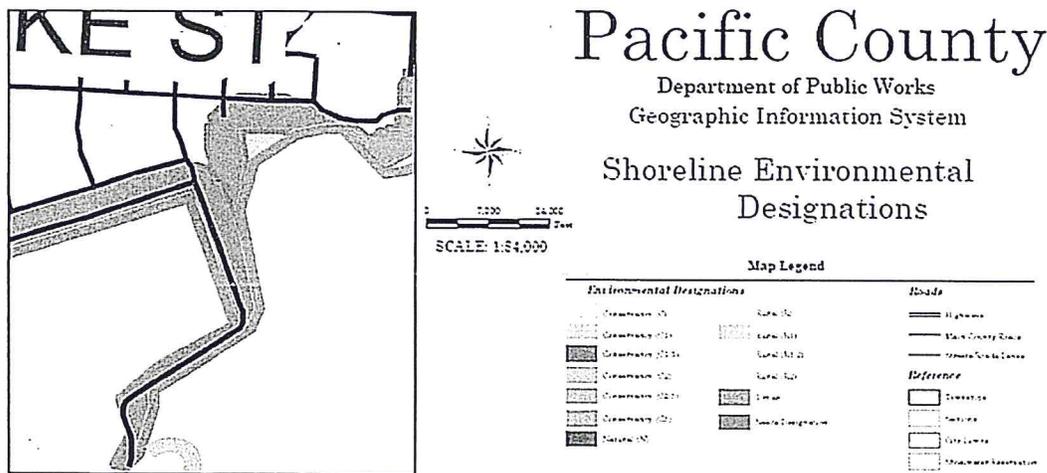
<sup>5</sup> Source: [http://www.cartomation.com/imagemapper/ILWACO\\_2012/WEB/INDEX.HTML?m=1](http://www.cartomation.com/imagemapper/ILWACO_2012/WEB/INDEX.HTML?m=1)

<sup>6</sup> <http://mrsc.org/Home/Explore-Topics/Legal/Planning/Vested-Rights.aspx>

The City Planner encourages close review with legal counsel as the project proceeds. The requestor has framed his "desired interpretation" as being "how the City both interprets this fill project under Title (sic)15.12, 14.15, and 15.18...regarding what permits the current City Planner would determine are applicable to the City project." As should be clear from discussion in this document, such determination is preliminary and based on codes in effect.

9. The site is subject to the currently controlling CAO by virtue of its adjacency to a jurisdictional wetland. Under Section 4.B.2. of the CAO, the City must engage the Army Corps, federal Natural Resources Conservation Service (United States Department of Agriculture), DOE, or a qualified critical areas professional to establish whether wetlands exist within 100 feet. Then, under Section 4.B.3, a wetland delineation must be obtained from one of these same parties, including rating the wetland and staking the boundary. Additional requirements may then apply.
10. The shoreline where the pad is located is designated "Urban" under the currently controlling SMP.

Figure 3. Shoreline Environment



The project may meet the definition of "development" in RCW 90.58.030(3)(a) and WAC 173-27-030(6) by virtue of "consisting of...dumping [and] placing of obstructions." If may not meet the definition if the state would interpret "dumping" or "placing of obstructions" to mean some other sort of use besides stockpiling material on an already-created pad in a manner that temporarily obstructs; to some extent, shoreline access from a site that is not particularly meant to offer

shoreline access.<sup>7</sup> It does not fall under any of the exemptions from shoreline substantial development identified in RCW 90.58.030(3)(e) or permit exemptions in WAC 173-27-040. At the same time, it may or may not constitute "substantial development" as otherwise defined in RCW 90.58.030(3)(e). It seems likely that the fair market value of the fill material exceeds the established limit, yet the definition appears to assume permanent, constructed uses which would not include a temporary stockpile. Stockpiling of any nature does not appear to be contemplated among the host of uses identified in the SMP, either within the Urban shoreline environment or elsewhere. The City Planner is mindful that DOE information on shoreline conditional use permits cautions that "some proposals may require both a substantial development permit and a conditional use permit." At the same time, the City Planner believes that adequate protection could be achieved under a conditional use permit, especially given the temporary nature of the use, so is inclined to treat the use as solely requiring a conditional use permit under WAC 173-27-160(3) and Sec. 24.C.11 of the SMP, particularly if it does not meet the threshold for "development" in the state's opinion.<sup>8</sup>

11. IMC 15.14.030.B requires submittal of a Joint Aquatic Resource Permit Application (JARPA) whenever there is "work in or near water." From among the permits covered by JARPA, it appears those that will apply to this project include only City permits and DOE Section 401 Water Quality approval. The Army Corps has already waived its permits in writing for this use. Pursuant to WAC 173-27-200, DOE must additionally approve any shoreline conditional use permit already approved by a local jurisdiction; however, this is done after the fact and not up front as a part of the JARPA review process.

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<sup>7</sup> 118 Wn.2d 801, P.2d 549, COWICHE CANYON CONSERVANCY v. BOSLEY. No. 56505-8 was considered. [8] Environment – Shoreline Management – Substantial Development Permit – Antecedent Requirements. Before there can be a "substantial development" for which a permit is required under RCW 90.58.140(2) of the Shoreline Management Act of 1971, there must first be a "development" as defined by RCW 90.58.030(3)(d). [10] Statutes – Construction – Meaning of Words – Absence of Statutory Definition. Generally, if a term is not defined in a statute, it should be given its plain and ordinary meaning unless a contrary legislative intent is indicated. [12] Statutes – Construction – Administrative Construction – Unambiguous Statute. An administrative agency's construction of a statute is not entitled to great weight unless the statute is ambiguous. [13] Statutes – Construction – Ambiguity – In General. A statute is not rendered ambiguous simply because the words used are not defined in the statute. [17] development shall not be undertaken on the shorelines of the state unless it is consistent with the policy of this chapter . . .", does not require that a permit be obtained before a project is undertaken. A permit is required only for those developments that qualify as substantial developments. Also considered: 91 Wn.2d 721, 592 P.2d 1108. Weyerhaeuser Company, Respondent, v. King County, Appellant. NO.: 44770. [2] Environment - Shoreline Management Act - Development - "Dumping" and "Filling." The terms "dumping" and "filling", as used in RCW 90.58.030(3)(d) to define a development, are unambiguous and present a question of fact and not of law, as to whether a specific activity falls within the statutory terms. In making such a determination the courts will give deference to the expertise and special knowledge of the Shorelines Hearings Board; and 87 Wn.2d 280, EDWARD W. HAYES, Respondent, v. GEORGE YOUNT, ET AL, Appellants. No. 43776. [6] Environment - Shoreline Management - Land Fills - Fill Materials - Harmful Result. Administrative regulations, promulgated under statutory authority, which generally proscribe the use of solid waste as fill materials in shoreline areas or which generally prohibit sanitary landfills in such areas, are not arbitrary or capricious. No proof that such fills would create harmful leachates is necessary to prohibit them.

<sup>8</sup> 109 Wn.2d 91, 743 P.2d 265. Clam Shacks of America, Inc., Petitioner, v. Skagit County, et al, Respondents. NO.: 53228-1 was considered. [1] Environment - Shoreline Management - Statutory Provisions - Scope. The Shoreline Management Act of 1971 (RCW 90.58) authorizes local governments to regulate shoreline activities through conditional use permits even though they do not qualify as "developments" as defined by RCW 90.58.030(3)(d) and (e).

12. Apart from the original intentions for use of the fill material, it has come to the City Planner's attention that there may exist a willing buyer for the entire stockpile so that it would be removed from the site all at once. Because the City Planner had advised the City that there should be no further activity on the site, such acquisition has not been completed. A preliminary discussion about wholesale removal occurred between the City Planner and DOE staff Rick Mraz, who indicated that regulations would also apply to removing the material.

It appears to be in the best interests<sup>9</sup> of the City, Port, and environment, and in keeping with the goals of the complainant to remove the material from the site; this secondary acquisition would appear to produce the desired outcome. It would create a legally absurd result for the City to undertake a permitting process to seek approval for placement of the material after the fact solely to facilitate its removal, and if the action is not likely to be authorized then would need to be removed anyway.<sup>10</sup> Given the emergence of a willing buyer and despite the interpretation that the fill material does not constitute "junk," the City may be able to thoughtfully apply the terms of IMC 8.08.020 ("abate") toward this outcome. This appears to be supported by WAC 173-27-270 ("cease and desist"/"corrective action") in which the state's goal would be to remove an unpermitted use. Abatement/voluntary compliance as described in IMC 8.08.030 could be coordinated between the City and other appropriate agencies (at minimum, DOE) and utilizing BMPs to assure protection of the adjacent wetland during removal of the fill material. The City Planner has not explored this possibility with DOE or others.

#### Findings:

1. The act of placing the material upon the site does not constitute illegal dumping; however, it does constitute regulated activity that should have undergone review/permitting as described herein, together with review under SEPA, before placement. This places the City into a remedial position with regard to continuing the use upon the site. It must either acquire proper permits or discontinue the use.

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<sup>9</sup> 84 Wn.2d 551, THE DEPARTMENT OF ECOLOGY et al., Respondents, v. BALLARD ELKS LODGE No. 827, Appellant. No. 43105 was considered. [4] Environment- Shoreline Management - Purpose - Public Interest The purpose of the Shoreline Management Act of 1971 (RCW 90.58) is not to totally prohibit future development along state shorelines and waters, but rather to ensure that such development be carefully carried out in keeping with the public interest.

<sup>10</sup> 103 Wn.2d 441, 693 P.2d 1369. The Orion Corporation, Respondent, v. The State of Washington, et al, Petitioners. NO.: 49941-1 was considered. [4] Environment - Policy Determinations - Permit Application - Necessity. When environmental policy decisions predetermine that use or development permit applications will not be approved, applying for such permits is a vain and useless act and is not required before seeking other relief.

2. The use upon the site constitutes a temporary stockpile for the purpose of storing fill material until it is removed, either all at once or piecemeal, for use elsewhere.
3. Basic BMPs have been employed in creating the stockpile upon the site. They could be improved upon by adding a silt fence.
4. Review of an initial critical areas checklist will dictate further action and/or permit under the CAO. Additional information may be requested, and additional review and permitting may be involved.
5. The temporary stockpile is an unlisted use subject to conditional use standards under the City's development regulations, as well as a shoreline conditional use permit.
6. The City may have options toward wholesale removal of the material by utilizing a compliance or remediation approach. This may be optimal instead of pursuing permits and allowing the stockpile to remain.

**Conclusions:**

1. The most straightforward approach to resolving the issue appears to be utilizing a compliance or remediation approach toward an outcome of the material being removed all at once. If the City wishes to pursue this opportunity, it is advised to work closely with legal counsel and engage DOE, plus any other agencies identified by DOE, toward creative resolution of the problem. It should employ BMPs during removal of the material in order to avoid environmental harm.
2. Lacking this, the City must complete or cause to be completed and submit, at minimum, the following for review by the City Planner and Planning Commission, and decision by the City Council in keeping with the procedures established in Chapter 15.08 IMC:
  - Critical areas checklist (Section 3.F.2 of CAO)
  - Conditional use permit required submittals (IMC 15.48.030)
  - JARPA form and attachments  
([http://www.epermitting.wa.gov/site/alias\\_\\_resourcecenter/jarpa\\_jarpa\\_form/9984/jarpa\\_for\\_m.aspx](http://www.epermitting.wa.gov/site/alias__resourcecenter/jarpa_jarpa_form/9984/jarpa_for_m.aspx))
  - Environmental (SEPA) checklist<sup>11</sup>

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<sup>11</sup> A SEPA threshold determination is under the City Planner's purview per IMC 15.12.010.B

This concludes review of this matter meeting the requirements of IMC 15.08.140 and represents my full interpretation of the matter at hand based upon the facts of the situation as I understand them, best professional judgment, and available information and regulations in effect at the time of evaluation.

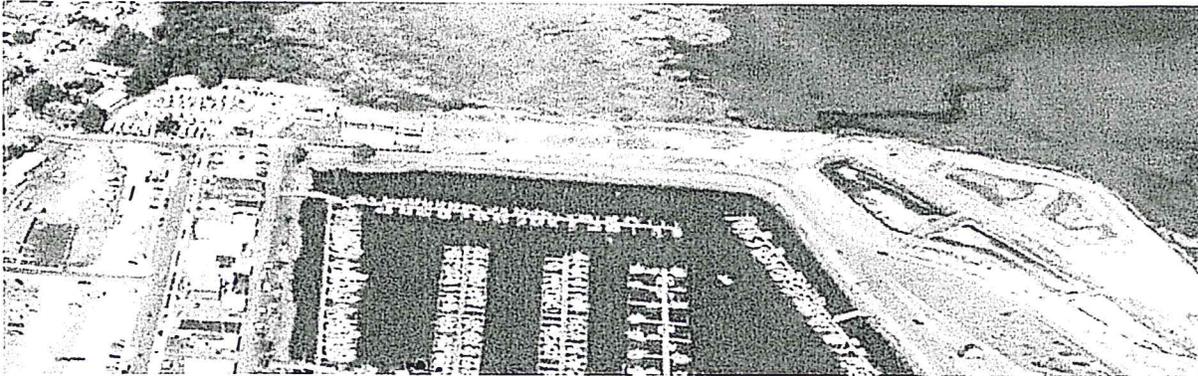


Deborah Johnson  
(Acting) City Planner

Date of Issue: December 31, 2015

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**APPENDIX A –Site Photos**



Source: *Shoreline Analysis Report for Shorelines in the City of Ilwaco*, The Watershed Company, September 2014

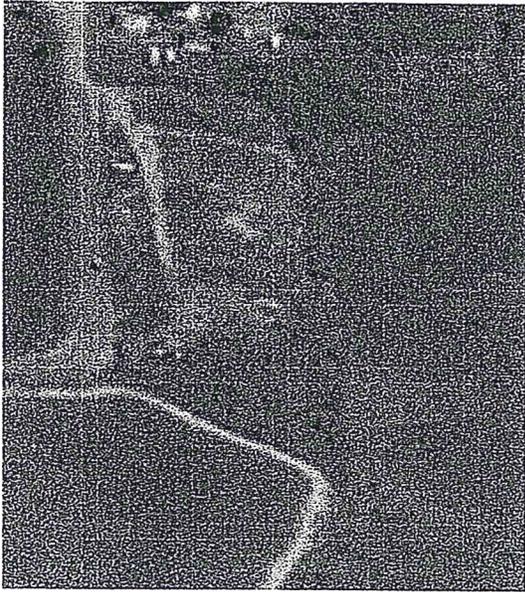


Source: Washington State Department of Ecology, Coastal Atlas Base Map

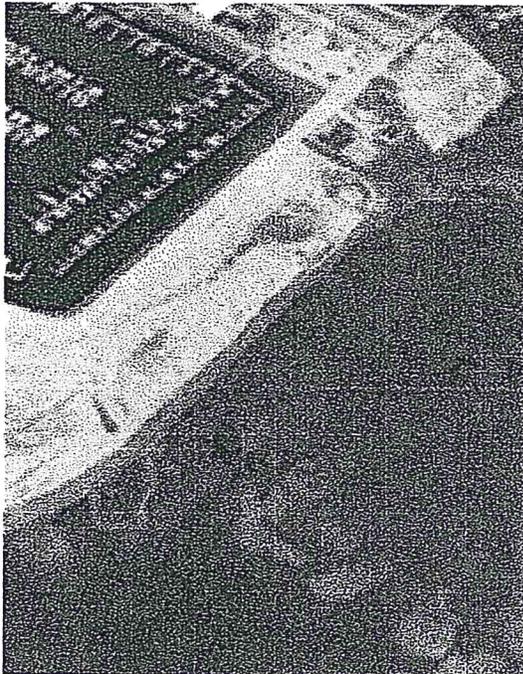


Source: Washington State Department of Ecology, 08-19-2006 (upper) & 08-13-2002 (lower)

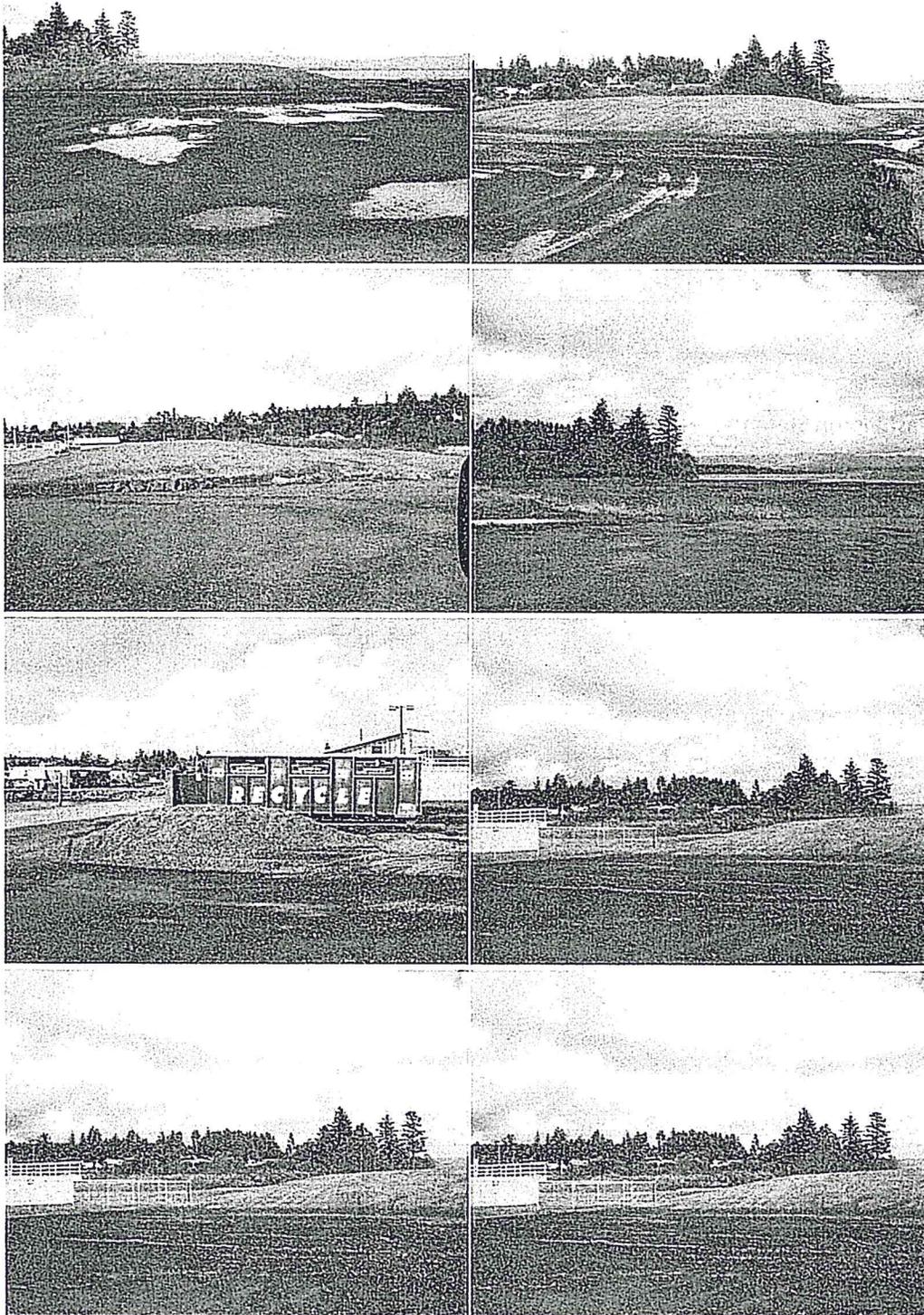




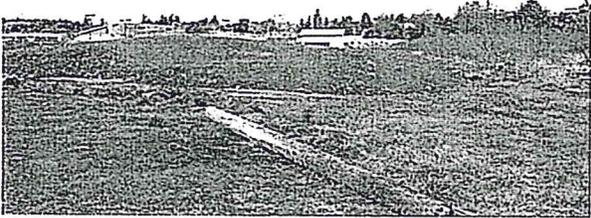
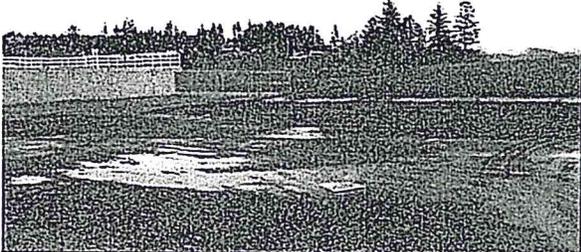
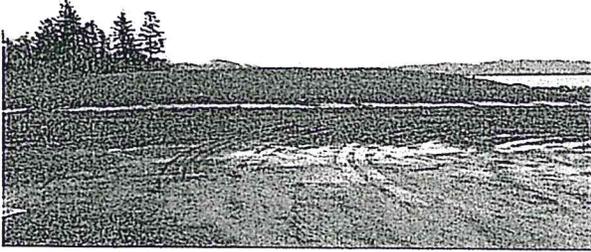
Source: Washington State Department of Ecology, 05-13-1997 (upper) & 06-30-1977 (lower)



# Temporary Stockpile – Upon placement



Temporary Stockpile – end of December 2015





**CITY OF ILWACO  
CITY COUNCIL AGENDA ITEM BRIEFING**

A. Meeting Dates: Council Workshop: Public Hearing:  
Council Discussion Item: 01/25/16 Council Business Item:

B. Issue/Topic: **Source Watershed Control Plan**

C. Sponsor(s):

1. Cassinelli
- 2.

D. Background (overview of why issue is before council):

In May of 2015 the City Council adopted Resolution No. 2015-05. Section 1 of the Resolution states: "The Ilwaco Source Watershed Control Plan 2015 amends the City of Ilwaco 2011 Water System Plan, replacing Chapter 6 of said 2011 System Plan".

E. Discussion (specific details relevant to the issue, pros/cons, alternatives and any other decision-making details):

1. The existing Chapter 6 of the 2011 Water System Plan contains valuable information, not duplicated in the new Source Watershed Control Plan. As such, it would be the preference DOH that instead of this new Source Watershed Control Plan replacing the existing Chapter 6, that it would be added to the existing Chapter 6 in the 2011 WSP. This is reflected in the last sentence of Chapter 1, found on page 3 of the new Source Watershed Control Plan.
2. DOH did not require action necessary at this time on this issue, however it is considered good practice to ensure that the change is clarified through a motion by council.

F. Impacts:

1. Fiscal:
2. Legal:
3. Personnel:
4. Service/Delivery:

G. Planning Commission:  Recommended  N/A  Public Hearing on

H. Staff Comments:

I. Time Constraints/Due Dates:

J. Proposed Motion: **I move to include the Ilwaco Source Watershed Control Plan 2015 as an addition to Chapter 6 of the 2011 City of Ilwaco Water System Plan.**

**CITY OF ILWACO  
RESOLUTION NO. 2015-05**

**A RESOLUTION OF THE CITY OF ILWACO, WASHINGTON, ADOPTING THE SOURCE WATERSHED CONTROL PLAN AMENDING THE CURRENT WATER SYSTEM PLAN**

**WHEREAS**, the City is required to ensure adequate source watershed protection under the Safe Drinking Water Act and the Washington State Group "A" Public Drinking Water Supplies Rule, WAC 246-290; and

**WHEREAS**, Washington Department of Health provided funding under interagency agreement Contract #N20735 to update the City's source water control program; and

**WHEREAS**, the 2011 Water System Plan as amended by the Source Watershed Control Plan 2015 will meet the requirements of WAC 246-290-668; and

**WHEREAS**, the City intends to protect its drinking water source by implementing the Source Watershed Control Program 2015;

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF ILWACO, WASHINGTON, DOES RESOLVE AS FOLLOWS:**

**Section 1.** The Ilwaco Source Watershed Control Plan 2015 amends the City of Ilwaco 2011 Water System Plan, replacing Chapter 6 of said 2011 System Plan; and

**Section 2.** The City of Ilwaco staff is directed to submit the adopted Source Watershed Control Plan 2015 to the Washington State Department of Health for approval, and to make any corrections to the Source Watershed Control Plan 2015 document required by the Washington State Department of Health for compliance with WAC 246-290-668.

**Section 3. Effective Date.** This resolution, being an exercise of power specifically delegated to the city legislative body, is not subject to referendum and shall take effect five (5) days after passage by the City Council.

**PASSED BY THE CITY COUNCIL OF THE CITY OF ILWACO, AND SIGNED IN AUTHENTICATION OF ITS PASSAGE THIS 26<sup>TH</sup> DAY OF MAY, 2015.**

\_\_\_\_\_  
Mike Cassinelli, Mayor

ATTEST:

\_\_\_\_\_  
Holly Beller, Deputy City Clerk

VOTE	Jensen	Karnofski	Marshall	Chambreau	Forner	Cassinelli
Ayes	X	X	X	X	X	
Nays						
Abstentions						
Absent						

EFFECTIVE: MAY 31, 2015



**CITY OF ILWACO  
CITY COUNCIL MEETING  
Tuesday May 26, 2015**

**A. Call to Order**

1. Mayor Cassinelli called the meeting to order at 6:05pm at the Ilwaco Fire Hall.

**B. Flag Salute**

1. The Pledge of Allegiance was not recited for there being no flag present.

**C. Roll Call**

1. Present: Mayor Cassinelli and Councilmembers Jensen, Karnofski, Marshall, Chambreau, and Forner.

**D. Approval of Agenda**

1. **ACTION: Motion to approve amended agenda with addition of Business Item 6, Ordinance Adopting Title 11 – Code Enforcement. (Chambreau/Forner) 5 Ayes 0 Nays 0 Abstain.**

**E. Approval of Consent Agenda**

1. Including Checks 37846 to 37847 + Electronic totaling \$19,557.19 and Checks: 37848 to 37890 totaling \$189,290.41 for a grand total of \$208,847.60.  
**ACTION: Motion to approve the consent agenda. (Chambreau/Jensen). 5 Ayes 0 Nays 0 Abstain.**

**F. Reports**

**1. Staff Reports**

**i. Treasurer's Report**

Included in council packet.

**2. Council Reports**

- i.** Councilmember Chambreau attended the DOH Workshop, and PCEMA meeting regarding the evacuation maps. Also requested that Ilwaco Merchant Association agendas be forwarded to the council.
- ii.** Councilmember Forner attended the DOH Workshop and the Port/City meeting. Guy Glenn is asking for the port contract approval.
- iii.** Councilmember Karnofski apologized for being absent from last meeting, and will need to be absent from the next meeting as well. Also attended the Town Hall presented by Well Spring for drug and alcohol education and was disappointed with the community turn out.

**3. Mayor's Report**

- i. Attended the meeting regarding Pugz Adams “Hutz for the Homeless” presented by behavioral health facilities, which was different than the expected format.
- ii. Mayor Cassinelli read an excerpt from Chapter 70.95A RCW regarding how a city can determine if a purchase is exempt from competitive bidding.

**G. Comments of Citizens and Guests Present**

- 1. None

**H. Public Hearing - 6 Year Transportation Plan**

- 1. Mayor Cassinelli closed the regular meeting at 6:24pm and opened the Public Hearing. No comments were given and the Public Hearing was closed at 6:25pm, and the regular meeting was re-opened.

**I. Business**

**1. Invoice Cloud for Utility Billing Payment Options**

- i. Councilmember Forner stated that he hopes we have customers who will use the service.

**I move to authorize the Mayor to enter into an agreement with Invoice Cloud for electronic bill pay and customer account services. (Marshall/Karnofski). 5 Ayes 0 Nays 0 Abstain.**

**I move to authorize the Mayor to enter into an agreement with Vision Municipal Solution to integrate the Invoice Cloud software. (Jensen/Karnofski). 5 Ayes 0 Nays 0 Abstain.**

**2. Water Treatment Plant Improvements – Rebid Change Order #1**

- i. This is the first and only change order for the job.

**I move to authorize the Mayor to execute Change Order #1 for the Water Treatment Plant Improvements – Rebid Project increasing the contract with Rotschy, Inc. (Chambreau/Jensen) 5 Ayes 0 Nays 0 Abstain**

**3. Source Watershed Control Plan**

**I move to enact Resolution 2015-XX therefore adopting the Source Watershed Control Plan and amending the current Water System Plan. (Marshall/Jensen) 5 Ayes 0 Nays 0 Abstain**

**J. Discussion**

**1. Amend Title 15.16 of the IMC, Development in Floor Areas**

- i. Discussion over need to change from the higher regulatory standards to the minimum required by FEMA.

**ACTION: Move to business at next meeting.**

**2. 2015 First Budget Amendment**

- i. Councilmember Marshall requested the negative appropriations be changed to positive in order to have a more accurate picture.

**ACTION: Move to business at next meeting.**

**3. Pollution Liability Insurance Quote**

- i. Discussion over how much pollution exposure the city has and cost of policy over the risk. Councilmember Marshall asked how many claims the company handles per year.

**ACTION: Discussion tabled.**

**4. Six Year Transportation Improvement Program**

- i. Councilmember Jensen requested that Whealdon Road be addressed as Water Reservoir Road.

**ACTION: Move to business at next meeting.**

**5. Source Watershed Control Plan**

- i. No questions or concerns from council.

**ACTION: Move to business at this meeting. (Marshall/Karnofski) 5 Ayes 0 Nays 0 Abstain**

**6. Ordinance Adopting Title 11 – Code Enforcement**

- i. The draft ordinance was presented to council for review.

**ACTION: Leave as Discussion for next meeting.**

**K. Correspondence and Written Reports**

- 1. None

**L. Future Discussion/Agendas**

- 1. Amendment of the Critical Areas Ordinance No. 614 – *City Planner*
- 2. Amendment of Ordinance No. 777 Parks and Rec Commission - *Cassinelli*

**M. Motion to adjourn the meeting (Karnofski)** Mayor Cassinelli adjourned the meeting at 7:13 p.m.

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Mike Cassinelli, Mayor

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Holly Beller, Deputy City Clerk

## Treatment

The pumping and transmission facilities are designed to handle the maximum projected flow rate of 1.5 mgd. The plant includes 2 - 700 mgd up flow clarifier package plants. The maximum allowable operating capacity of the plant is 1.5 mgd. This expansion allows the City to supply approximately 1.0 mgd while one 1.0 mgd filter unit is out of service. A third Westech up flow clarifier filter was installed in early 2015. *llc*

*llc* When the raw water enters the treatment facility, a flow-through turbidimeter measures the raw water turbidity. The City adds alum, soda ash, polymer, and potassium permanganate to ensure the removal of turbidity, iron, and manganese required to provide a high quality finished water and meet regulatory standards. The amounts of water treatment chemicals vary, depending on the varying raw water quality.

The City's water treatment system includes chemically aided flocculation, clarification, and mixed media filtration to remove particulate matter, and chemical disinfection to provide an appropriate chemical residual within the distribution system. These conventional filtration treatment technologies meet DOH standards for treatment of surface water.

With its existing technology, the treatment equipment at the water treatment plant produces acceptable drinking water by removing particulates and large organic materials. The equipment is sufficient at removing bacterial contaminants such as *Giardia* and *Cryptosporidium* through filtration and disinfection using sodium hypochlorite.

However, the existing water treatment plant is not well equipped to remove VOCs or SOCs, which are typically associated with petroleum products, herbicides and pesticides. Additional filtration media equipment would need to be installed in order to remove and sequester VOCs and SOCs if these become persistent contaminants.

## 3. Delineation

Indian Creek Reservoir is recharged by precipitation that falls within its watershed:

- Stream channels intercept precipitation and convey it into the reservoir.
- Precipitation falls on and runs over the ground directly into the reservoir.
- Precipitation falls on the ground, infiltrates into the soil, and flows into the reservoir or into streams that then flow into the reservoir.

The extent to which water flowing underground that originates outside of the watershed reaches the Indian Creek Reservoir is unknown.

For the purpose of the Source Water Control Plan water balance analysis, the source water area is determined by the highest continuous ridge upstream from the reservoir (i.e. the ridgeline surrounding the watershed) as delineated by Gray and Osborne for the 2011 Water System Plan, totaling 808 acres according to that plan.

For the purpose of other source water control planning and implementation, the source watershed is determined by the highest points of land upstream from the watershed (i.e. the ridgeline surrounding the watershed), as delineated by Columbia River Estuary Study Taskforce in 2014, totaling 893 acres. The watershed delineation was altered in different locations for the following three reasons:

- To err on the side of inclusiveness in locations of topographic ambiguity.

## City Clerk

---

**From:** Mazeski, Mark J (DOH) <Mark.Mazeski@DOH.WA.GOV>  
**Sent:** Tuesday, January 05, 2016 9:35 AM  
**To:** clerk@ilwaco-wa.gov; treasurer@ilwaco-wa.gov  
**Cc:** Hayes, Corina M (DOH); gphillips@columbiaestuary.org; Walker, Teresa (DOH)  
**Subject:** City of Ilwaco Source Watershed Control Plan  
**Attachments:** Ilwaco Watershed Plan pages.pdf

Dear Ariel and Holly,

We have reviewed your re-submittal of the Water System Plan Amendment (WSP Amendment) to your Source Water Protection Plan, received October 19, 2015. In general your responses are very thorough and complete. However there are two areas that I would like to be further clarified, as set out below.

I have attached to this e-mail the two pages addressed below and underlined the sentences being referenced.

**Original Comment #2:** Page 4, Treatment. Please confirm the information in the first paragraph is correct. The plant modifications have been completed. **Please confirm current filter type and quantity.**

The first paragraph on page 4 ends with the sentence, "A third Westech up flow clarifier filter was installed in early 2015." When I toured the Water Treatment Plant on November 5, 2015, there were only two filter trains, not a "third Westech up flow clarifier". In fact, Rick has built a storage room over what would be the location of the "third" filter. **Please remove this last sentence in the first paragraph on page 4. It would be acceptable to have the Mayor strike through this line and initial it in the margin, after he confirms my observations.**

**Original Comment #9:** Please provide the City Council's action approving the WSP Amendment and minutes from that meeting and the minutes from the meeting with the consumers. See WAC 246-290-100(8).

I noticed that the minutes of the City Council meeting from April 27, 2015, May 26, 2015, Resolution 2015-05 passed on May 26<sup>th</sup> 2015, and meeting minutes from June 9, 2015 were included with the your re-submittal. I thought that the City Council took additional action on the Source Watershed Control Plan in September 2015. If so, could you send the minutes and any motions made by the City Council at that time.

One additional point with regard to Resolution No. 2015-05; Section 1 of the Resolution states: "The Ilwaco Source Watershed Control Plan 2015 amends the City of Ilwaco 2011 Water System Plan, replacing Chapter 6 of said 2011 System Plan;"

The existing Chapter 6 of the 2011 Water System Plan contains valuable information, not duplicated in the new Source Watershed Control Plan. As such, it would be our preference that instead of this new Source Watershed Control Plan replacing the existing Chapter 6, that it would be added to the existing Chapter 6 in the 2011 WSP. This is reflected in the last sentence of Chapter 1, found on page 3 of the new Source Watershed Control Plan. There is no action necessary at this time on this issue. We are informing you of our interpretation that the new Source Watershed Control Plan follows the direction of this sentence and does in fact serve as an addition to the 2011 City of Ilwaco Water System Plan. However, if this interpretation is incorrect please clarify.

Any review time for information requested by this e-mail should be approximately 10 days. With clarification of the above two items, the WSP Amendment should be approved within 10 days of receipt of this additional information.

Please let me know if you have any additional questions.

quality information, and a plan for protecting water quality in the protection area.

WAC 246-290-668 requires an evaluation of the Source Watershed Control Plan at least every six years. All changes in the watershed over the previous six years, and changes that affect water quality, must be described. New or improved knowledge about the watershed and its functional characteristics, including hydrology, should be incorporated into a new Source Watershed Control Plan. The purveyor must also have a monitoring program in place to assess the adequacy of the Source Watershed Control Plan.

The Source Watershed Control Plan is an amendment and addition to the 2011 City of Ilwaco Water System Plan.



## 2. Source Water System

The City collects its water from Indian Creek and its tributaries. Water is impounded by a dam and treated at an on-site water treatment facility. The water diverted for the City of Ilwaco would otherwise continue flowing through Indian Creek to the Bear River. The Bear River empties into the southern end of Willapa Bay. Treated City wastewater is discharged into Baker Bay. The Bear River is a minor source of water for Willapa Bay, which is supplied primarily by the North River, Nasselle River, and Willapa River. Willapa Bay is an estuary significant for its fishing, oyster farming, wildlife refuge, and recreational opportunities. The City is required by its water right to bypass a minimum flow into Indian Creek.

The City's drinking water intake is located behind the dam. Raw water from the impoundment flows by gravity to the water treatment plant. The water is filtered, disinfected using hypochlorite, and routed to a storage tank before flowing to the City's distribution system. The Indian Creek treatment facility currently has a production capacity of 1.5 mgd with both filters operating and water rights for 1.5 mgd.

### Storage

Untreated water is stored in the Indian Creek Impoundment. The 60-foot-high earth dam is 750 feet long at the crest and 400 feet long at the base. The reservoir impounds 29.5 acre-feet (9.6 million gallons) of water at low pool (Elev. 45 feet), 847 acre-feet (276 million gallons) at normal pool (Elev. 90 feet) and 1,022 acre-feet (333 million gallons) at maximum pool (Elev. 94.7 feet). The reservoir covers 5.07 acres at low pool, 35.19 acres at normal pool and 48.39 acres at maximum pool.

In order to mitigate any adverse effects to aquatic spawning and rearing habitat, reservoir filling is limited to December, January, and February, with filling evenly distributed over these months. Stream water is not allowed to be diverted to the reservoir for filling during the salmon migration periods of October/November and March/April/May.

### Intake

The reservoir has been designed so that 97 percent of the storage capacity can be released by gravity. An 18-inch steel pipe, encased in 10 inches of reinforced concrete, is located at an invert elevation of 22 feet (approximately 15 feet below the dam base). This pipe can remove 97 percent of the storage in a 10 to 20 day time period depending on inflow to the dam. The intake has two 12 inch diameter inlets that are screened. The pipe inlets are located at elevations of 75 and 60 feet.

Water is conveyed to the Ilwaco Water Treatment Plant by approximately 1,000 feet of 18-inch and 12-inch raw water transmission line.

### Treatment

The pumping and transmission facilities are designed to handle the maximum projected flow rate of 1.5 mgd. The plant includes 2 - 700 mgd up flow clarifier package plants. The maximum allowable operating capacity of the plant is 1.5 mgd. This expansion allows the City to supply approximately 1.0 mgd while one 1.0 mgd filter unit is out of service. A third Westech up flow clarifier filter was installed in early 2015.

When the raw water enters the treatment facility, a flow-through turbidimeter measures the raw water turbidity. The City adds alum, soda ash, polymer, and potassium permanganate to ensure the removal of turbidity, iron, and manganese required to provide a high quality finished water and meet regulatory standards. The amounts of water treatment chemicals vary, depending on the varying raw water quality.

The City's water treatment system includes chemically aided flocculation, clarification, and mixed media filtration to remove particulate matter, and chemical disinfection to provide an appropriate chemical residual within the distribution system. These conventional filtration treatment technologies meet DOH standards for treatment of surface water.

With its existing technology, the treatment equipment at the water treatment plant produces acceptable drinking water by removing particulates and large organic materials. The equipment is sufficient at removing bacterial contaminants such as *Giardia* and *Cryptosporidium* through filtration and disinfection using sodium hypochlorite.

However, the existing water treatment plant is not well equipped to remove VOCs or SOCs, which are typically associated with petroleum products, herbicides and pesticides. Additional filtration media equipment would need to be installed in order to remove and sequester VOCs and SOCs if these become persistent contaminants.

## 3. Delineation

Indian Creek Reservoir is recharged by precipitation that falls within its watershed:

- Stream channels intercept precipitation and convey it into the reservoir.
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- To err on the side of inclusiveness in locations of topographic ambiguity.



120 First Avenue North  
PO Box 548 • Ilwaco, WA 98624  
Phone: 360.642.3145  
Fax: 360.642.3155  
[info@ilwaco-wa.gov](mailto:info@ilwaco-wa.gov)  
[www.ilwaco-wa.gov](http://www.ilwaco-wa.gov)

Mark J. Mazeski, Regional Planner  
Washington State Department of Health  
Office of Drinking Water, Southwest Regional Office  
P.O. Box 47823  
Olympia, Washington 98504

RE: City of Ilwaco Water Department, ID #35500, Pacific County; Water System Plan  
Amendment, ODW Project #15-0606

Dear Mr. Mazeski:

Thank you for your review and comments regarding our WSP amendment. Please accept the enclosed revision and a summarization of our response with location of the edit.

#### **Chapter 1 Introduction**

On Page 3, Section 1.2, the WSP language has been changed to reflect that this document is an “amendment and addition to the 2011 City of Ilwaco Water System Plan”.

#### **Chapter 2 Source Water System**

On Page 4, the entire section was reviewed by the Water Supervisor for accuracy. The first paragraph was amended for correction to the expansion mgd, and clarification regarding the type of third filter added in 2015. The Water Supervisor is satisfied with the corrections and information contained therein.

#### **Chapter 8 Source Water Vulnerability**

On Page 14, Section 8.1, has added the following language, “The City of Ilwaco will utilize the Washington Department of Natural Resources Forest Practices Application Review System (FPARS) to monitor all forest related activities within its water shed.”

#### **Chapter 9 Existing Watershed Control Measures Evaluation**

The City has reviewed the letter and accompanying white paper from DOE to DNR. On Page 21, Section 9.5 has added the following language, “The City will utilize the Washington Department of Ecology Water Quality Program white paper dated July 6, 2010 and entitled “Forest Practices Compliance with Water Quality Standards Focus on Roads and Turbidity”.” Additionally, the document title and location was incorporated into the technical resources reference list on Page 35.

On Page 21, Section 9.5 has included FPARS review and incorporated information on “Class IV-special” forest practices as outlined in WAC 222-16-050(1)(d) and added the following language, “The City Clerk will request DNR to run Forest Practice applications through SEPA review if there is a potential for adverse effect on the City’s water supply.”

**Chapter 10 Recommendations**

On Page 22, the chapter has been re-titled as “Action Plan” and all references to the term “should” have been replaced with the term “will”.

**Appendix D: Maps**

On page 23, Section 1.5 has been added as,  
**“1.5. Timber trespass subject to treble damages**  
It appears that 2 to 4 acres of City owned timber may have been inadvertently harvested by a neighboring owner in recent years. The City will investigate whether or not this occurred, and if so use the provisions of RCW 4.24.630 and RCW 64.12.030 to correct the situation. “

Additionally, an action item has been added on Page 28, Table 5 Recommendations Summary.

**Miscellaneous**

The City has reviewed the attached maps of the Chinook Watershed, and agrees that expanded riparian buffers can protect water quality, as reflected in this WSP amendment.

Enclosed are copies of the City Council action approving the WSP Amendment and minutes from additional public meetings held with consumers.

Sincerely,

Holly Beller  
City Clerk  
City of Ilwaco, Washington

Enclosures

# Source Watershed Control Plan

City of Ilwaco  
September 2015



**Prepared for:**



PO Box 548  
Ilwaco, WA 98624

**Prepared by:**



Columbia River Estuary Study Taskforce  
818 Commercial Street, Suite 203  
Astoria, OR 97103

**Prepared with funding from:**

Washington State Department of Health

**Special thanks to the following contributors:**

Rick Gray, City of Ilwaco

Daryl Gardner, City of Ilwaco

Dave Mckee, City of Ilwaco

Nadia Gardner, Columbia Land Trust

Darin Stringer, Pacific Stewardship LLC

Tom Kollasch, The Nature Conservancy

Nick Somero, USDA NRCS

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**Appendix A: Photographs**

**Appendix B: Funding Sources**

**Appendix C: 1987 Agreement**

**Appendix D: Maps**

Region

Land/ Timber Ownership

Parcels/ 1987 Agreement Units

Roads Overview

FPA Preliminary Stream Types and Zones

Timber Areas Downstream of Impoundment

**Appendix E: Selected Roads Inventory**

# 1. Introduction

## 1.1 Background

Implementation of this Water Source Control Plan will protect the City's drinking water supply and the health of water system users. It is typically more efficient to protect drinking water in the source watershed than it is to treat dirty water or to find and replace a drinking water supply.

Communities using surface water for their drinking water are required to ensure adequate source watershed protection under the Safe Drinking Water Act and the Washington State Group "A" Public Drinking Water Supplies Rule, WAC 246-290. Protecting drinking water at its source is the first part of a "multi-barrier" line of defense including treatment and monitoring. State of Washington Department of Health gave Ilwaco's watershed a low susceptibility rating in 2014.

The multi-barrier approach uses a series of technical and managerial barriers to prevent contamination of the drinking water source and distribution system. The overall philosophy is that by having multiple means of preventing contamination, if one approach fails, consumers will still be protected. The multi-barrier approach includes:

- Risk Prevention: Select and protect the best source of drinking water.
- Risk Management: Install and operate effective treatment technologies, properly design and construct facilities, and employ trained and certified operators.
- Monitoring, Compliance & Enforcement: Use a combination of monitoring that includes source water, finished water, distribution system, and tap monitoring to detect and fix problems.
- Individual Action: Empower customers with information on drinking water quality and health effects of contaminants, and provide opportunities for customers to be involved in water system decision-making.

## 1.2 Watershed Control Program Requirements

In Washington State, under WAC 246-290, drinking water supply systems using a surface water source must develop and implement a watershed control plan in order to protect the water supply and the health of the water system customers. Protection of the City's source watershed ("watershed") can be accomplished through monitoring, limiting, and controlling to the best extent possible, all activities that may pollute the source water.

This plan complies with Washington State's watershed control program requirements. Regulatory criteria against which Ilwaco's source water protection is evaluated are provided in Washington's Administrative Code.

- WAC 246-290-135, Source Protection
- WAC 246-290-668, Watershed Control
- WAC 246-290-678, Reliability for Filtered System

In accordance with WAC 246-290-135(4), the City's Watershed Control Plan must include a description of the source protection area, hereafter referred to as the watershed, including information on its location, hydrology, land ownership, and any activities that may adversely affect source water quality. The state regulations also require a description of any and all written agreements, monitoring activities, and water

quality information, and a plan for protecting water quality in the protection area.

WAC 246-290-668 requires an evaluation of the Source Watershed Control Plan at least every six years. All changes in the watershed over the previous six years, and changes that affect water quality, must be described. New or improved knowledge about the watershed and its functional characteristics, including hydrology, should be incorporated into a new Source Watershed Control Plan. The purveyor must also have a monitoring program in place to assess the adequacy of the Source Watershed Control Plan.

The Source Watershed Control Plan is an amendment and addition to the 2011 City of Ilwaco Water System Plan.

## 2. Source Water System

The City collects its water from Indian Creek and its tributaries. Water is impounded by a dam and treated at an on-site water treatment facility. The water diverted for the City of Ilwaco would otherwise continue flowing through Indian Creek to the Bear River. The Bear River empties into the southern end of Willapa Bay. Treated City wastewater is discharged into Baker Bay. The Bear River is a minor source of water for Willapa Bay, which is supplied primarily by the North River, Nasselle River, and Willapa River. Willapa Bay is an estuary significant for its fishing, oyster farming, wildlife refuge, and recreational opportunities. The City is required by its water right to bypass a minimum flow into Indian Creek.

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The reservoir has been designed so that 97 percent of the storage capacity can be released by gravity. An 18-inch steel pipe, encased in 10 inches of reinforced concrete, is located at an invert elevation of 22 feet (approximately 15 feet below the dam base). This pipe can remove 97 percent of the storage in a 10 to 20 day time period depending on inflow to the dam. The intake has two 12 inch diameter inlets that are screened. The pipe inlets are located at elevations of 75 and 60 feet.

Water is conveyed to the Ilwaco Water Treatment Plant by approximately 1,000 feet of 18-inch and 12-inch raw water transmission line.

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The pumping and transmission facilities are designed to handle the maximum projected flow rate of 1.5 mgd. The plant includes 2 - 700 mgd up flow clarifier package plants. The maximum allowable operating capacity of the plant is 1.5 mgd. This expansion allows the City to supply approximately 1.0 mgd while one 1.0 mgd filter unit is out of service.

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## 3. Delineation

Indian Creek Reservoir is recharged by precipitation that falls within its watershed:

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For the purpose of the Source Water Control Plan water balance analysis, the source water area is determined by the highest continuous ridge upstream from the reservoir (i.e. the ridgeline surrounding the watershed) as delineated by Gray and Osborne for the 2011 Water System Plan, totaling 808 acres according to that plan.

For the purpose of other source water control planning and implementation, the source watershed is determined by the highest points of land upstream from the watershed (i.e. the ridgeline surrounding the watershed), as delineated by Columbia River Estuary Study Taskforce in 2014, totaling 893 acres. The watershed delineation was altered in different locations for the following three reasons:

- To err on the side of inclusiveness in locations of topographic ambiguity.
- To include road sections and their source areas that may have ditch lines crossing into the source

watershed.

- To correct what appear to be minor errors in the 2011 delineation that excluded areas within the topographically defined watershed.

The 2014 watershed delineation was performed using GIS to manually digitize the watershed ridge line using USGS topographic and roads data at a scale of 1:8000.

## 4. Geography

### 4.1 Location

The Indian Creek Watershed is located in Pacific County, Washington, approximately 5.5 miles east-northeast of the City of Ilwaco, Washington. The impoundment dam is located approximately 5,500 feet upstream from the confluence of Indian Creek and Bear River.

The drainage basin located in Sections 27, 28, 29, 33, and 34 of Township 10N, Range 10W and Section 3 of Township 9N, Range 10W in Pacific County consists of approximately 893 acres. The terrain of the drainage basin consists of wooded slopes. The adjacent drainage basins to the north and east discharge to small creeks that are tributaries to the Bear River and the drainage basins to the west discharge to small creeks that are tributaries to the Chinook River.

The larger Bear River Watershed of which the source watershed is a part, has about 12.6 miles of main stem creek with an additional 30.7 lineal miles of tributaries. The drainage area comprises about 30 square miles, and is the southernmost watershed emptying into Willapa Bay. The lower 3.5 miles is tidally influenced and surrounded by marsh and deciduous brush. Further upstream, the gradient increases to become moderate and provides spawning and rearing habitat for chum, fall chinook, coho and winter steelhead (Phinney and Bucknell 1975; WDFW and WWTIT 1994). In the upper reaches, the uplands are mountainous with steep tributaries, providing spawning and rearing habitat for coho and winter steelhead.<sup>1</sup>

### 4.2 Climate

The Coastal mountain range influences the local climate by intercepting prevailing moist air moving inland from the Pacific Ocean. Mean annual precipitation to the drainage basin is approximately 79.43 inches per year, as measured at the Long Beach Experimental Station, the official rain gauge closest to the watershed. This should be considered a conservative estimate, as average annual rainfall has been estimated at 100 inches in the Willapa Hills, and 80 to 90 inches in the foothills.<sup>2</sup>

Autumn rains in the Indian Creek Watershed begin in October. Relatively high precipitation continues to occur throughout the winter months. Precipitation rates decrease towards and through the spring. The summer months of July, August and September are relatively dry. The daily maximum precipitation events for individual winter months between 2003 and 2014 at surrounding weather stations in Naselle, Columbia, and Grays River watersheds was about 2 to 4 inches, with rare daily events in the 5 to 6 inch range in the Naselle watershed.<sup>3</sup>

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<sup>1</sup> CWC Coastal Watersheds Consulting. 1998. A Watershed Level Conservation and Restoration Plan for the Bear River, Pacific County, WA. US Fish and Wildlife Service, Lacey, WA. 25pp

<sup>2</sup> [http://www.nrcs.usda.gov/Internet/FSE\\_MANUSCRIPTS/washington/WA627/0/wa627\\_text.pdf](http://www.nrcs.usda.gov/Internet/FSE_MANUSCRIPTS/washington/WA627/0/wa627_text.pdf)

<sup>3</sup> National Climate Data Center. 2014. <http://www.ncdc.noaa.gov/cdo-web/datatools/findstation>

### 4.3 Topography

Watershed elevations range from approximately 50 feet at the treatment plant to 1000 feet above sea level. Within the outer watershed ridgeline, several ridgelines descend into the watershed.

The interior ridges in the northern portion of the watershed are relatively low elevation, broad, and descend relatively gently, in some cases with flat and undulating sections. Headwater slopes in the northwestern most portion of the watershed are 10 to 20 degrees. Ridgetop elevations increase, ridge descents become increasingly steep, and side slopes become increasingly steep further south and east in the watershed, with typical slopes in 20 to 40 degree range, and many slopes as steep as 60 to 70 degrees around stream headwaters. Numerous vertical earth faces resulting from gravel mining, and natural, road related or harvest related sloughing were also observed from Walberg Road in the southern and eastern portions of the watershed.

### 4.4 Geology

Geological characteristics such as soil types, depths, sub-surface layers, thickness, and the slope of the land surface can all impact water quality and quantity. Porosity, particle size, soil uniformity, and composition will also impact the subsurface flows of water.

Soils in the drainage basin are primarily deep, well drained, silty loam with some poorly drained, silty, clay loam along the shores of Indian Creek. The soils are moderately permeable allowing rainfall to infiltrate into the soil and provide recharge to the Indian Creek reservoir throughout the year.<sup>4 5</sup>

- Knappton Silt Loam (#60), occupying more of the watershed than any other soil type, is well drained and has moderate permeability, water capacity, erosion, runoff and rooting depth characteristics.
- Palix Silt Loam (#111, 112), covering much of the northern watershed, is well drained, has moderate permeability, high water capacity, and moderate runoff and erosion characteristics depending on slope, but is subject to slippage, with moderate rooting depths.
- Vesta Silt Loam (#149, 150), covering small isolated areas, is well drained, has moderate permeability, high water capacity, slow runoff, and slight erosion characteristics, with deep rooting depths
- Willapa Silt Loam (#155, 157) covering a small area in the northernmost section of the watershed, has moderate drainage and permeability, high water capacity, shallow rooting depth, slow runoff, and slight erosion hazard.

All of the soil units are described as being most favorable to growth of Western hemlock, with varying second best suitability for Douglas fir, Sitka spruce, Red cedar, and red alder. All units are described as having a one inch organic layer resting on top of the soil.

Field observations and topographic data suggest that some of the watershed's more severely steep slopes may have been misclassified as lesser slopes in the 1979 soil survey. Soil maps alone do not suggest obvious areas of relative landslide or erosion risk.

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<sup>4</sup> City of Ilwaco Water System Plan 2011

<sup>5</sup> USDA Soil Conservation Service. 1979. Soil Survey of Grays Harbor, Pacific, and Wahkiakum Counties.

[http://www.nrcs.usda.gov/Internet/FSE\\_MANUSCRIPTS/washington/WA627/0/wa627\\_text.pdf](http://www.nrcs.usda.gov/Internet/FSE_MANUSCRIPTS/washington/WA627/0/wa627_text.pdf) (Map Sheet 148)

## 4.5 Land Cover

The Indian Creek Watershed is in the Marine West Coast Forest Coast Range Ecoregion.<sup>6</sup> Rural forested land in Pacific County is managed intensively for timber. The watershed is covered in 2<sup>nd</sup> and 3<sup>rd</sup> growth timber. Roughly half of the watershed was logged in the 1980's and has not been actively managed for any purpose since that time. Prior harvest dates in the remainder of the watershed are unknown; however the timber throughout this remainder is of merchantable quality.

### *Vegetation*

The vegetation within the drainage basin consists primarily of woodland areas. The watershed's timber resources have not been systematically inventoried by the City. The principal trees include Western hemlock, Douglas fir, Red alder, and Sitka spruce. Limited observations indicate Western Hemlock dominance, which is consistent with historic soil surveys.<sup>7</sup> Alder grow in the ditch lines and beds of abandoned logging roads, platforms, and other disturbed areas. Alder stands also dominate portions of the watershed's northern slopes.

The watershed's plant communities have not been systematically inventoried. Dominant understory species include salmonberry, salal, red huckleberry, and western sword fern, although some of the watershed has no understory beneath densely growing hemlock.

Wetland grasses and sedges have established themselves at some observed ditch lines where the ditches exit primary roadways to overland dispersal. The impoundment's shoreline vegetation includes salal, sword fern, sedges, and rushes.

## 5. Hydrology

### 5.1 Precipitation

Mean annual precipitation to the drainage basin is approximately 79.43 inches per year, as measured at the Long Beach Experimental Station, the official rain gauge closest to the watershed. The 808 acre drainage basin receives approximately 5,350 acre-feet, or 1,740 million gallons of rainfall per year. Approximately 232 acre-feet, or 75.5 million gallons of precipitation falls directly onto the 35 acres of impoundment water surface.<sup>8</sup>

### 5.2 Streams & Wetlands

Streams in the watershed descend on 5 to 20 percent gradients to the reservoir, in between the steep interior ridge slopes. Upstream intermittent flows, overland flows, and perennial streams flow across steeper gradients up to 50 to 60 percent. Low elevation overland flows directly into the reservoir may also occur outside of stream channels. Additional channelized flows may occur in abandoned road drainage ditches that descend with the roads gradually from the watershed's exterior ridge towards the reservoir.

Primary tributary streams were not characterized in detail for this plan. A more detailed stream characterization that collects information on gradient, profile, discharge, and substrate could inform management decisions.

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<sup>6</sup> US EPA. Level III Ecoregions of North America

<sup>7</sup> 1979 Soil Survey

<sup>8</sup> City of Ilwaco. 2011. Water System Plan.

Wetland totaling less than five acres occur along Indian Creek in the southeastern portion of the watershed, several hundred yards downstream from the stream's intersection with the Walberg Road haul route extension in Section 34.

### 5.3 Water Balance

This water balance analysis was prepared using information from the 2011 Water System Plan.

The hydrology report prepared during the planning stages for the Indian Creek Dam provided a water balance for the impoundment. The Reservoir Permit (No. R 2-26649P) requires that the reservoir can only be filled during the months of December, January and February, and that a minimum of 2.0 cfs must be maintained in Indian Creek downstream of the dam during the spring and summer. The following Water Balance **Table 1** indicates that the impoundment is able to be filled by creek flow in December, January and February and the remainder of demands are met by available storage and Indian Creek flow during the remainder of the year.

The City measured the water surface elevation in the impoundment and the flow released to Indian Creek downstream of the dam approximately twice a month from 1990 through 1994. The normal pool elevation of 90 feet shown in the records indicates that the water surface elevation is just below the spillway. An elevation of 90+ feet indicates that water is exiting the impoundment over the spillway. The information presented in the water surface elevation records indicate that the minimum impoundment surface elevation experienced in the 5 years of record was 80 feet, equivalent to available storage of approximately 450 acre-ft.

As of the 2011 Water System Plan, the City planned to resume collection of weekly water surface elevation readings to track trends in the water level.

**Table 1: Water Balance<sup>9</sup>**

Month	Indian Creek Inflow <sup>1</sup>	Downstream Release (cfs) <sup>2</sup>	City Demand <sup>3</sup> (cfs)	Evaporation and Seepage Loss <sup>4</sup> (cfs)	Total Demand (cfs)	Surplus/ (Deficit) (cfs)	Available Storage (acre-ft) <sup>5</sup>
January	21.43	2.00	2.33	0.02	4.35	17.08	1022
February	14.82	2.00	2.33	0.03	4.36	10.46	1022
March	11.17	2.00	2.33	0.04	4.37	6.80	1022
April	6.86	2.00	2.33	0.07	4.40	2.46	1022
May	3.89	2.00	2.33	0.10	4.43	(0.54)	989
June	2.65	2.00	2.33	0.13	4.46	(1.81)	878
July	1.70	2.00	2.33	0.14	4.47	(2.77)	707
August	1.13	2.00	2.33	0.13	4.46	(3.33)	502
September	0.89	2.00	2.33	0.11	4.44	(3.55)	284
October	0.89	2.00	2.33	0.07	4.40	(3.51)	68
November	12.56	2.00	2.33	0.04	4.37	8.19	572
December	21.22	2.00	2.33	0.02	4.35	16.87	1022

1. From Table II-1, Town of Ilwaco Design Report for Water System Improvements, 1986. Evaluation of Indian Creek yield based on measured flow in Bear River and percentage of total acres in Bear River watershed attributable to the Indian Creek Watershed.
2. Minimum downstream release of 2.0 cfs during spring and summer applied to all months.
3. City demand assumed to be 1.5 mgd.
4. From Table II-4, town of Ilwaco Design Report for Water System Improvements, 1986

<sup>9</sup> City of Ilwaco Water System Plan, 2011.

5. Available storage varies by month primarily as a function of Indian Creek Inflow.

The City has adequate instantaneous and annual withdrawal water rights to meet projected demands according to the 2011 Water System Plan. The City's existing source of supply was capable of supplying maximum day demands through 2012 however a new treatment unit was needed to supply maximum day demands beyond 2012. The new treatment unit is expected to be installed in 2015. The City's system has sufficient storage and backup supply from the City of Long Beach to allow an outage of several days for treatment unit repair.

## 6. Water Quality

This analysis used information in the 2011 Water System Plan, and personal communication with the City's water system operators.

Degraded source water quality is an issue throughout the year. Primary operational issues occur in the fall when initial heavy rains flush tannins, sediments, and organic matter into the source water, and in the summer when algae grow in the source water, and tannins become concentrated at lower water levels. High turbidity and discoloration associated with flushing rain events recur throughout fall, winter, and spring

If high turbidity levels exceed the treatment plant's ability to meet drinking water quality standards, it could cause treatment plant shut downs. In addition, organic material that is found in the watershed—especially from plants—decomposes over time and this decayed organic matter leaches tannins into the water, causing discoloration. Tannins are generally not a health risk, but its presence – typified by coffee or tea colored water - is considered aesthetically unacceptable by many residents.

Organic compounds react chemically with disinfectant chemicals used in drinking water treatment, creating byproducts that have health impacts. As such there are regulatory limits on the amount of these byproducts that are allowed in treated drinking water. When the source water is high in turbidity and tannins, enhanced operator attention is required. The source water quality is highly variable across short time scales (a single day to a week), requiring intensive operator reaction in adjusting the water treatment system.

Existing state law regulates raw water quality, including bacteriological contaminants and various organic and inorganic chemicals. Minimum standards for water quality are specified in terms of Maximum Contaminant Levels (MCLs). Primary MCLs are based on chronic and/or acute human health effects. Secondary MCLs are based on factors other than health effects, such as aesthetics. Current MCLs are specified in WAC 246-290. The following sections discuss the applicable water quality regulations, analysis of the City's compliance with these regulations, and a summary of future regulations for each category.

**Table 2 Drinking Water Regulations**

Rule <sup>1</sup>	Contaminants Affected <sup>2</sup>	Action Required
Total Coliform Rule	Coliforms	Yes
Residual Disinfectant	Total Free Chlorine	Yes
Lead and Copper Rule	Lead, Copper	Yes
Arsenic Rule	Arsenic	Yes

Inorganic Chemicals, and Physical Parameters	IOCs	Yes
Volatile and Synthetic Organic Compounds	VOCs, SOCs	Yes
Surface Water Treatment Rule (SWTR)	Microbial Contaminants	Yes
Interim Enhanced Surface Water Treatment Rule	Microbial Contaminants	No
Long Term 1 Enhanced Surface Water Treatment Rule (LT1ESWTR)	Microbial Contaminants	Yes
Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR)	Microbial Contaminants	Yes
Filter Backwash Recycling Rule	Microbial Contaminants	No
Stage 1 Disinfectants/Disinfection Byproducts Rule (DBPR)	TTHMs, HAA5, Chlorite, Bromate	Yes
Stage 2 Disinfectants/Disinfection Byproducts Rule (DBPR)	TTHMs, HAA5, Chlorite, Bromate	Yes
Consumer Confidence Report	Reporting Only	Yes
Radionuclides Rule	Radionuclides	Yes
Ground Water Rule	Bacteriological	No

1. Drinking water regulations as of February 2014.
2. TTHM = Total Trihalomethanes, IOCs = Inorganic Chemical and Physical Characteristics VOCs = Volatile Organic Chemicals, SOCs = Synthetic Organic Compounds, HAA5 = Five Halo-Acetic Acids

## 6.1 Turbidity

Turbidity and total dissolved solids are two important quantitative measures of raw water quality. The City must take turbidity monitoring results every four hours. The turbidity reading must be below 0.3 NTU in at least 95 percent of the measurements taken each month. The maximum turbidity level is 1 NTU. Turbidity levels have not approached those that would require a plant shutdown.

## 6.2 Bacteriological

Coliform bacteria are a broad category of organisms routinely monitored in potable water supplies. Though not all coliform bacteria are pathogenic in nature, they are relatively easy to identify in laboratory analysis. If coliform bacteria are detected, then other pathogenic organisms may also be present. Bacterial contamination in a water supply can cause a number of waterborne diseases, so these tests are strictly monitored and regulated by DOH. Bacteriological data for raw water samples are kept on file with DOH. The City is in compliance with monitoring requirements for coliform. The City has not had a sample test positive for coliform since 1999.

## 6.3 Inorganic Chemicals

The State of Washington has adopted Federal MCLs and monitoring regulations for inorganic chemicals and physical parameters (IOCs), volatile organic compounds (VOCs), and synthetic organic compounds (SOCs). Water System Operators monitor raw water organic contaminants by sampling for standard panels of volatile organic compounds (VOCs) and synthetic organic compounds (SOCs). VOCs are a class of volatile compounds that include solvents, lighter petroleum products, and other lighter organic compounds while SOCs are larger, non-volatile compounds that include herbicides and pesticides.

The City has had samples that have exceeded the MCLs for color and manganese in the sixteen years preceding 2011. In July 2004, the City detected a level of manganese of 0.096 mg/L, which is above the MCL for manganese of 0.05 mg/L. In the same sample, the color level was 25 color units, which is above the MCL for color of 15 color units. However, the most recent IOC/VOC/SOC samples have had results below the MCLs for all contaminants.

## 6.4 Nitrate

The City presently monitors for nitrate as part of the general inorganic chemical testing every three years

per regulation.

## 6.5 Disinfectant By-Products

Disinfectants can react with naturally occurring organic materials in source water and form what are known as disinfection byproducts (DBPs). A number of these DBPs have been shown in laboratory animal tests to be carcinogenic or cause adverse reproductive and developmental effects.

The City's DBP monitoring has indicated that the extremities of the City's system have moderate amounts of both TTHM's and HAA5's. The City monitors for DBP's at Lakeview Estates and the State Park. The TTHM levels in the City's system typically range from 20-40 µg/L at Lakeview Estates and from 40-60 µg/L at the State Park. The HAA5 levels in the City's system typically range from 5-10 µg/L at Lakeview Estates and 10-30 µg/L at the State Park. The City has had individual samples that have exceeded the MCL for both TTHM's (117.8 µg/L in September of 2004 and 83.2 µg/L in September of 2006 at the State Park) and HAA5's (60.1 µg/L in September of 2004 at the State Park); however, the running annual average for the City's system has remained below the MCL's. DBP levels have decreased in recent years. The City will continue to monitor DBP levels and optimize the system to maintain DBP levels below the MCL.

## 6.6 Residual Disinfectant

The City treats and chlorinates its own water at the water treatment plant (WTP). The City has a chlorine analyzer at the outlet of the WTP that it uses to ensure the correct amount of chlorine has been added. The chlorine analyzer continually monitors the chlorine in the treated water

## 6.7 Asbestos

The City conducted asbestos sampling in 1999 and 2009 and found that the asbestos levels in the samples were below the detection limits.

## 6.8 Lead and Copper

The City completed lead and copper testing in 2005 and 2011, and all samples were below the action levels.

# 7. Land Use and Activities

## 7.1 Historical Land Use & Activities

The source watershed and neighboring watersheds have since European settlement been used for timber production, while providing many other ecosystem services. Lumber mills were present in Pacific County as early as the 1890's; however the dates of first and subsequent timber harvests in the Indian Creek watershed are not known.

In 1987 City of Ilwaco purchased several hundred acres in the watershed, constructed the impoundment, and started delivering water from Indian Creek in 1989. The City's property was harvested at around the time the impoundment was being constructed, and has not been actively managed since then.

City-owned portions of the watershed continue to be managed for drinking water. No recreational or other activities are allowed in these areas. Roads have been maintained to variable degrees; however no highly imminent or hazardous road issues were observed on roads while creating this plan.

Areas of the watershed not owned by the City are managed for commercial timber production. Typical activities taking place in these areas may have included road maintenance and decommissioning, pre-commercial thinning, herbicide application and other treatments, slash burning, and recreational trespass by members of the public. Some roads accessing land and timber not owned by the City have been improved in 2014 and 2015 to prepare for timber harvests.

1979 soil survey maps revealed only one historic “quarry or mine.” No history was discovered regarding the site, however it appears now as a cut slope immediately adjacent and uphill from Walberg Road, in the southeastern end of the watershed.

Walberg Road, owned by the County, travels along the watershed’s northern ridgeline. The road has been used historically for hauling timber and machines, and is designated by Pacific County as a road for OHV use.

## 7.2 Land and Timber Ownership

Land ownership is described by owner below. Some land is owned by The City, with reserved timber rights owned by Weyerhaeuser. The descriptions below are based on the Pacific County Tax Assessor’s online mapping tools, and land sale documents included in the 2011 Water System Plan. There is ambiguity over the ownership of the east half of parcel 10103429000. Ownership information is based on Pacific County’s online resources, and the 1987 Agreement. Ownership was not confirmed through research of original documents recorded with Pacific County.

### **City of Ilwaco**

The 663 acres of the 893 drainage basin owned by the City of Ilwaco are wooded areas and are managed by the City as protective areas for the City’s watershed. The area was previously logged in the mid 1980’s. City-owned land was purchased from Weyerhaeuser per the agreement recorded in 1987, referred to hereafter as the “1987 Agreement.” Of the 663 acres owned by the City, 488 acres are owned in fee title including timber rights. 175 acres that the City purchased has a reserved timber right held by Weyerhaeuser. The timber rights on this land will revert to the City in 2027, per the 1987 Agreement. The City owns 2.4 acres west of the WTP, which contains the Indian Creek Reservoir (water tanks) and approximately 100 acres immediately north of the treatment plant site.

### **Weyerhaeuser**

Weyerhaeuser owns approximately 230 acres of land/timber in the southern portion of the City’s watershed. Additionally, Weyerhaeuser owns the right to harvest timber on 175 acres of City owned land in the watershed until 2027. Weyerhaeuser is required to give the City notice of its intent to harvest these areas at least three years in advance, and has effectively done so, articulating intent to harvest the reserved areas in 2020. This probably does not preclude Weyerhaeuser from providing a revised notice for harvesting sooner (as soon as 2018 given that the present time is 2015).

While the timber reservations are in place, Weyerhaeuser may manage the areas according to generally accepted silvicultural practices (thinning, fire control, pest control, fertilization, etc.), provided that all actions comply with applicable laws governing operations in municipal watersheds. Weyerhaeuser may not apply pesticides without approval by the City. Weyerhaeuser will give the City notice at least 90 days before commencing any silvicultural practices, except in emergencies. Weyerhaeuser also reserved rights to use and maintain historic roads across City owned property for the purpose of accessing the timber that it has rights to.

The majority of property immediately east and north of the watershed (outside the watershed) is owned by Weyerhaeuser. Active harvests on the slope north of the watershed are taking place currently, and include use of Walberg Road for hauling machines and timber.

#### **Hawaii Timberland LLC**

Portions of Sections 29 and 33 Township 10N Range 10W to the west and south of the watershed belong to Hawaii Timberland LLC. Small portions of these parcels lie within the watershed. Recent aerial photographs indicate that the parcel located in Section 29 Township 10N Range 10W has been recently logged. A heavily vegetated buffer of City owned property is located between the logging activity and the impoundment. The Hawaii Timberland LLC property is managed as a timber resource. The Goulter Road access to City owned land and roads in the watershed crosses Hawaii Timberland LLC's land on the watershed's west side.

#### **TC&I-Chinook LLC**

Portions of Sections 27 and 28 Township 10N Range 10W outside of the north drainage basin boundary belong to TC&I-Chinook, Inc. The TC&I – Chinook property is managed as a timber resource and uses Walberg Road for access.

#### **Mineral Rights**

Weyerhaeuser retained the mineral rights to the property that it sold to the City within the watershed, which includes all of the parcels immediately surrounding the impoundment. These rights include the right to explore and mine for minerals.

### **7.3 Current Land Use & Activities**

Areas of the watershed not owned by the City are managed for timber production. Weyerhaeuser since 2014 has been performing major reconstruction of some historic interior roads, to prepare for timber harvests scheduled between 2018 and 2027.

Walberg Road, a County road, provides limited access to the Indian Creek Watershed. The gravel and earth road begins at Chinook Valley Road and continues east past the Water Treatment Plant and along the watershed's northern ridgeline. Walberg road continues in private ownership into additional roads in the southeastern portion of the watershed. They extend out of the watershed connecting to a regional private forest road network.

West of the Water Treatment plant, an abandoned logging road connects Walberg Road with the reservoir's south and west side, with additional abandoned logging roads south of the reservoir, and an abandoned road that encircles the reservoir.

Additional access to the watershed for City staff is available via Goulter Road, which is traversable by vehicles to the south watershed boundary, where it connects with additional abandoned logging roads that can only be travelled by foot. Goulter Road has a locked city owned gate preventing public access at its entrance from Chinook Valley Road.

## **8. Source Water Vulnerability**

State of Washington Department of Health gave Ilwaco's watershed a low susceptibility rating in 2014. The state rating provides a sense of the relative susceptibility of Ilwaco's watershed compared with other surface water sources in the state. Despite the rating, planned timber harvests in the next ten years

could substantially degrade source water quality. The “low susceptibility” rating for Ilwaco reflects the foresight of Ilwaco’s leaders in selecting the source watershed, and purchasing substantial portions of it in the 1980’s, and Ilwaco can consider itself as starting from a relatively strong position in continuing to make source water control program improvements.

## 8.1 Forest Practices

Forest Practices including timber harvest, road building, equipment operation, herbicide application can all impact water quality. All activities create the risk of spilling hydrocarbons, hydraulic fluids, and other mechanical fluids. Herbicide application can directly pollute the reservoir. Eroding sediment leads to turbidity issues.

Washington’s forest practices regulations were not intended or designed to protect drinking water quality and cannot be relied upon for that purpose. State DNR review of timber harvest or road work applications requires only checking a box to indicate that the work will be near a public drinking water supply. Drinking water is factored into the forest practices application and permit review only if spraying were to take place near the impoundment.

Timber harvests scheduled for the years 2018 through 2027 may clear cut approximately 405 acres of 893 acre watershed (less RMZ’s and existing cleared roads). Some roads and landings were being built in preparation for these harvests as of 2014-2015. All roads and trails in the watershed are unpaved, and some occur or cross waterways. Timber harvest, roads, and road construction are a source of erosion to the drinking water source.

Timber harvests remove vegetation that would otherwise intercept, interrupt, evaporate, and transpire precipitation. Harvest operations disturb soils leaving them more vulnerable to erosion. Roads intercept, and concentrate surface flows. They can increase the rate of runoff into streams (higher, quicker peak flows result). The likelihood of sediment arriving in streams increases when roads are used by heavy equipment during rains, when there is road construction, or when roads are poorly maintained. Other risk factors include high precipitation rates, steep slopes, exposed soils, saturated soils, and/or unstable soils.

Forest road runoff and runoff from recently harvested areas delivers organic coloration, organic matter, and nutrients, as well as sediments. During warmer months, nutrient loads support algal growth that exacerbates turbidity, essentially making erosion the source of a year round problem rather than just a rainy season problem.

The City of Ilwaco will utilize the Washington Department of Natural Resources Forest Practices Application Review System (FPARS) to monitor all forest related activities within its water shed.

## 8.2 Unmaintained Roads and Culverts

Unmaintained roads can become unstable and deliver both chronic and acute loads of sediment, organic matter, coloration, and nutrients. Ditch lines clogged by debris and growing trees cause water to flow down road surfaces, eventually creating ruts that persistently erode. Metal culverts corrode, typically on their bottoms, allowing water to pass through the road bed underneath the culvert, undermining the road.

Culverts clogged by debris, tree roots or complete collapse cause ponds to build up behind roads. Water then spills over the road surface, disturbing the surface and creating a persistent source of erosion. Alternately, clogged culverts can cause water to pass under the culvert, undermining the road bed. Finally, ponding water behind clogged and collapsed culverts can saturate the road bed, causing major

road failures and erosion events.

Unmaintained roads can compound other issues, leaving timber owners without the ability to travel them for fighting wildfire, or managing timber to prevent wildfire, pest outbreaks, and blowdowns.

Weyerhaeuser's roads are being reconstructed to Forest Practices rule standards for large forest landowners in preparation for planned harvests. City roads have received varying degrees of maintenance, but are not out of compliance with the Forest Practices Rules for small landowners. Walberg road is actively maintained, but exhibits some erosion due to recent hauling and recreational activity.

### 8.3 Mass Wasting and Rapid Slope Failure

Mass wasting and rapid slope failure risks may be compounded by timber harvest practices and road construction, despite some protections provided by the Washington Forest Practices act. Seismic events can trigger slope failures that would impact source water as well. Observed mass wasting and slope failure vulnerabilities are concentrated in the southern portions of the watershed, and limited to what could be observed from Walberg Road and its primary haul route extension.

Shallow rapid slope information summarized below was not created for assessing seismic landslide hazard risk or for site level landslide hazard risk characterization, but was created for pre-screening of forest practices applications. As such it can be considered appropriate for conceptual level watershed-scale planning, even though more detailed forest management prescriptions developed at a later date will require more detailed slope stability analysis.

Washington DNR slope stability data indicate concentrations of relatively severe slope instability in the central watershed, with relative stability in the northwestern third of the watershed, and concentrations of moderate to severe instability in the southeastern portions of the watershed. Slope instability in the watershed is associated with convergent landforms around headwater drainages.

Areas identified as severely unstable by WA DNR in the southeastern portions of the watershed correspond with nine identified slides in the 1979 Soil Survey of Grays Harbor, Pacific and Wahkiakum Counties<sup>10</sup>, and with 2014 field observations of exposed soil faces. Washington DNR Geology and Earth Resources Division's 1:24,000 landslides data<sup>11</sup> does not include slides anywhere in the watershed.

In the northwestern portions of the watershed adjacent to the impoundment there are two small areas of severe instability, on the northwestern side of the reservoir adjacent and downhill from recently clear cut TCI & Chinook Timber, and at the southeastern end of the reservoir.

In the southeastern portions of the watershed, severe instability is associated with steeply sloped convergent landforms descending adjacent from Walberg Road into the watershed.

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<sup>10</sup> USDA. 1979. Soil Survey of Grays Harbor, Pacific, and Wahkiakum Counties

<sup>11</sup> WA DNR-DGER. 2014. Landslides Geodatabase.

[http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp\\_gis\\_spatial\\_data.aspx](http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_gis_spatial_data.aspx)

These data contain 1:24,000-scale polygons defining the extend of mapped landslides in the state of Washington. This dataset is compiled chiefly from pre-existing landslide databases created in different divisions of the Washington State Department of Natural Resources to meet a variety of purposes. Although it has been updated to include landslides from specific recent landslide events, it does not yet include landslides from recent geologic quadrangle mapping; this mapping will be included in a future release of this dataset. This dataset does not include landslides mapped at 1:100,000 scale; landslides at that scale are included in a separate geodatabase (surface\_geology\_100k.gdb).

City owned land north and northeast of the reservoir is relatively free of identified unstable slopes. City owned timber west of the reservoir has a mix of stable, moderate and severely unstable slopes. The Weyerhaeuser owned timber proposed for harvest in 2018 and 2027 in Section 33 has predominantly moderate slope instability, but includes highly unstable areas adjacent to Walberg Road.

A historic “mine or quarry” identified on the 1979 soil survey, adjacent to Walberg road and south of Indian Creek, was observed in the field as a large nearly vertical face of earth with some vegetation growing on it. Additional information on the specific activities that occurred there was not discovered.

A more recent gravel pit observed in areal images and the field is adjacent to Walberg Road, north of Indian Creek, immediately across Walberg Road from very steep slopes. The pit has vertical faces of approximately 30 feet with young alder growing at its base.

Based on the limited available information on landslide hazards, there are no identifiable areas that should be prioritized for special protections. Instead, the City should use the available information in making its own forest management plans and in working with Weyerhaeuser.

## 8.5 Alder Leaves and Other Organic Matter

Fallen alder leaves leach organic color during rain events.<sup>12</sup> This presumably contributes to discoloration in the source water. Nutrients from alder leaves and other organic matter can contribute to algae and associated turbidity issues as well.

## 8.6 Timber Blowdown

High winds blow down vulnerable timber, increasing soil surface exposure to erosion, and allowing stands of alder to establish themselves, which eventually deliver organic discoloration to the source water. Overstocked hemlock stands are vulnerable to blowdown because their stems become too thin to support them in heavy wind. Any other tree stand on the edge of a clear cut should also be considered vulnerable to blowdown.

Observed blowdown is occurring and recurring immediately south of the impoundment, adjacent to a 2013 clear cut that is outside of the watershed. Future blowdown is expected along intersections with the proposed Weyerhaeuser clear cuts that will occur in 2018 through 2027, and in overstocked hemlock stands on the north side of the impoundment.

## 8.7 Wildfire and Pests

Areas affected by wildfire and pests increase soil surface exposure to erosion. The USDA Forest Service gives the source watershed a very low to low fire risk on a relative scale applied to the entire United States.<sup>13</sup> However, fire does occur regularly in this region, and is typically caused by lightning and human activities, including fireworks, campfires and logging. Potential fire effects on the watershed’s surface water can be divided into direct and indirect effects. The direct effects of vegetation loss include increased surface water temperature, dissolved nutrients, ash and charcoal. The indirect effects include modified channel morphology and increased sediment deposition and turbidity. Cedar stumps observed near roads north of the impoundment had black scarring from historic fires.

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<sup>12</sup> Taylor, R. Lynn, Adams, Paul W. RED ALDER LEAF LITTER AND STREAMWATER QUALITY IN WESTERN OREGON1  
Journal of the American Water Resources Association. VL - 22, IS - 4. Blackwell Publishing Ltd. 1752-1688  
<http://dx.doi.org/10.1111/j.1752-1688.1986.tb01917.x>

<sup>13</sup> USDA USFS. 2014. Wildland Fire Potential. ArcGIS Forest to Faucets Program Web Map Viewer.

As with blowdown areas, lack of management after the stand disturbance can result in alder dominated stands and resulting water quality impacts. The extent of threatening pests has not been investigated in the source watershed; however contributing factors to pest vulnerability include overstocked stands, such as those observed north of the impoundment. Overstocked stands also increase wildfire vulnerability, and reduce the City's capacity to fight wildfire.

## 8.8 Wildlife

The fecal matter of birds, deer, elk, and small mammals is a potential source of bacteria and parasites that may infect and sicken humans if ingested. Contamination can occur through an animal's direct contact with a stream, or microorganisms can be transported to surface waters via runoff. Pathogens found in animal waste may include *Giardia lamblia*, *Salmonella*, *E. coli* and *Cryptosporidium*.

## 8.9 Public Access

The presence of people in a watershed can increase the risk of pollution, including microbiological contamination from individuals or animals they bring with them such as dogs or horses, as well as petroleum products from vehicles. Fishers, hikers, hunters, or others that develop unmaintained trails or use off-road vehicles can also cause increased erosion. Pacific County's map designating County Roads open and closed to ORV/ATV use indicates that Walberg Road is open to ATV's and ORV's use.<sup>14</sup>

Observed sources of impact from the public includes minor and isolated amounts of trash on abandoned logging roads, rutted exposed soil adjacent to Walberg road from recreation vehicles, and a car that was dumped down a steep slope from Walberg Road. City staff report that the most common trespass is by fishers hiking down to the impoundment from Walberg road.

## 8.10 Land Conversion

Most of the watershed is zoned Transitional Forest (F-T), while very limited acreage is zoned Rural Lands (R-L)<sup>15</sup>. Neither zone is intended to protect surface source drinking water. Both zones are intended to provide flexibility in maintaining a rural landscape, while permitting a variety of activities including mining, dwellings, recreational vehicle camping, and contractor storage yards among many others. The County Comprehensive Plan does not provide policy guidance that is more protective of drinking water than the zoning code.

Property clear cut in 2013 outside of the watershed's western boundary in the Rural Land zone has areas sloped gently enough to support rural residential development. Other activities permitted under the zoning code could plausibly occur here or in the southeastern upstream sections of the watershed owned by Weyerhaeuser after the timber is liquidated, without the City having many avenues for recourse, although the watershed's steep slopes make it unsuitable for dense development. Any residential development would rely on septic systems.

The American Water Works Association and Trust for Public Land found that for every 10 percent increase in forest cover in drinking water source watersheds, drinking water treatment and chemical costs decreased by approximately 20 percent. This exact relationship cannot be applied to Ilwaco's watershed, but illustrates the benefits of preventing land use conversion from commercial timber to more intense uses.

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<sup>14</sup> Pacific County. 2014. Ordinance 174 Map. <http://www.co.pacific.wa.us/ordres/Ordinance-174-Map.pdf>

<sup>15</sup> Pacific County . 2014. Ordinance 162. <http://www.co.pacific.wa.us/ordres/index.htm>

## 9. Existing Watershed Control Measures Evaluation

### 9.1 Access to the Source Watershed

Currently, there are no required permits for entry into the source watershed. The watershed may be accessed via regional private forest road networks. Goulter Road and Walberg Road are typically gated and locked, however either may be opened for weeks to months at a time during active forest practices.

No trespassing signs are located on Walberg Road and Goulter Road at their respective gates. The water treatment plant, and the road to the impoundment that is accessed via the water treatment plant parking area are surrounded by a barbed wire topped cyclone fence. Maintaining the gates and roads to limit vehicular access to impoundment is important for the long term health of the watershed.

### 9.2 Formal Agreements and Rights

#### Water Rights and Permits

City of Ilwaco's water rights and permits are summarized below.

**Table 3: Water Rights**

Date	Type	Number	Maximum Permitted Instantaneous Withdrawal (cfs)	Maximum Permitted Annual Withdrawal (acre-ft/year)	Maximum Permitted Storage (acre-ft/year)
4/24/1995	Permit	S2-29218	0.77	22	N/A
3/04/1991	Water Right Certificate	S2-25880	1.56	710	N/A
6/23/1986	Reservoir Permit	R2-26649	N/A	N/A	1,022

#### Water System Infrastructure

The City of Ilwaco owns and operates the infrastructure associated with the drinking water system, including the water diversions, pipes, reservoir, and treatment plant facilities.

#### Access rights or land use agreements

Access to the treatment plant facility and some portions of the northern watershed is provided by the County owned Walberg Road. A road privately owned by the City on City land provides access from the treatment plant to the impoundment and intake. Access to some other portions of the watershed is physically available on roads that cross private property; however any existing easements or rights of way were not assessed.

### 9.3 Forest Fire Protection

WA Department of Natural Resources fights fires on private and state-owned forest lands. In the case of a forest fire, DNR will work with the local fire district and the landowner to mobilize firefighting labor and equipment.

### 9.4 Relevant Land Use Regulations

Land use and environmental regulations such as County Zoning, the State Forest Practices Act, Federal Endangered Species Act and Clean Water Act, are not intended to protect drinking water. Drinking water

utilities and municipalities must negotiate directly with landowners to secure protective land use controls or measures. Pacific County’s land use laws and their relation to land use conversion is described in section 8.10.

**Shoreline Management Act and County Shoreline Master Program**

The impoundment and the land surrounding the lake 200 feet landward is in the SMA required shoreline jurisdiction. The City owns all of the impoundment, and 99% of the land in the shoreline jurisdiction. The creeks draining into the impoundment are not in the SMA shoreline jurisdiction due to their small mean annual flow rates. The Shoreline Management Act does not provide any additional protection to the shoreline jurisdiction area beyond the City’s own management goals for protecting drinking water quality.

**Forest Practices Act and Rules, including SEPA Relationship**

The Washington Forest Practices Act and its implementing rules (WAC 222) include limitations on harvesting to reduce erosion and landslides to ensure long term recruitment of large woody debris to fish bearing streams, and to ensure shading of fish bearing streams. The Forest Practices Board Manual provides extensive guidance on Forest Practices Act compliance and best management practices.

Riparian Management Zone harvest and operation limits vary depending on waterbody type, site classification, stand characteristics, and harvest options provided to the timber owner. The entire source watershed is designated Site Class III, and includes all stream types. The Appendix D Preliminary Stream Types and Zones Map illustrates typical buffers based on existing stream types in the watershed; however stream types are modified by DNR based on field reconnaissance prior to harvest. Stream types and buffers shown on the map may be classed down to lesser protections in the future.

**Table 4. Washington DNR Water Types**

Water Type	Description
Type "S" = Shoreline (formerly type 1)	Streams and waterbodies that are designated "shorelines of the state" as defined in chapter 90.58.030 RCW.
Type "F" = Fish (formerly type 2 or 3)	Streams and waterbodies that are known to be used by fish, or meet the physical criteria to be potentially used by fish. Fish streams may or may not have flowing water all year; they may be perennial or seasonal.
Type "Np" = Non-Fish Perennial (formerly type 4)	Streams that have flow year round and may have spatially intermittent dry reaches downstream of perennial flow. Type Np streams do not meet the physical criteria of a Type F stream. This also includes streams that have been proven not to contain fish using methods described in Forest Practices Board Manual Section 1 <u>Forest Practices Board Manual Section 13</u> .
Type "Ns" = Non-Fish Seasonal (formerly type 5)	Streams that do not have surface flow during at least some portion of the year, and do not meet the physical criteria of a Type F stream.

Less than six acres of Type A and B Wetlands occur in the source watershed, the largest of which is less than four acres. With some variation for site specific conditions, Type A and B wetlands and a buffer averaging 50 feet around the wetland have restrictions on the number of trees harvested and harvest operations.

*Harvest and Related Operation Restrictions (WAC 222-30)*

The Forest Practices act provides a 50 foot no harvest “core zone” buffer to Type S and F waterbodies. Limited harvesting can occur in the 43 to 55 foot “inner zone” surrounding the core zone. Within some limitations, most trees in a 35 to 47 foot “outer zone” buffer surrounding the “inner zone” can be harvested. These concentric buffers comprise a total 140 foot Riparian Management Zone buffer on either side of a type S or F waterbody in areas of Site Class III, such as Ilwaco’s watershed. Restrictions on yarding, felling, and bucking trees in and across type S and F waters are also provided by the Forest Practices Act.

Smaller streams identified by DNR as Type N include operation restrictions in a 30 foot zone on either side of the stream. Stream reconnaissance at the time of developing a forest practices application determines whether the stream receives the more stringent protections associated with Type Np streams (50 foot no harvest buffer on both sides of the stream), or the lesser restrictions associated with Type Ns streams (equipment entry restriction only). Even with Type Np streams, some harvesting is permitted in the 50 foot buffer depending on its proximity to streams typed S or F. Yarding, felling, and bucking activities may take place in and around Type N streams.

#### *Pesticide and Fertilizer Restrictions (WAC 222-38)*

Pesticide application is prohibited in the Core Zone and Inner Zone (approximately 100 feet on either side) of Type S and F waters and in the RMZ of Type Np waters (50 feet on either side). Additional buffers are applied depending on the application method. Fertilizer applications are permitted within RMZ's.

#### *Reforestation (WAC 222-34)*

Reforestation is required following clear cuts or selective harvests where more than 50% of timber volume is removed in a five year period. Reforestation is not required for thinning schemes that meet certain criteria. A reforested area must have 190 vigorous undamaged commercial seedlings per acre surviving one year after planting.

#### *Road Construction and Maintenance (WAC 222-24)*

Road construction and maintenance provisions are intended to protect public resources, and ecological function, including minimization of landslides and erosion. Timber harvest in and to the side of the road's path is permitted and typically associated with road and landing construction. Road regulations prescribe how roads, culverts, and drainage systems are built and maintained.

Road Maintenance and Abandonment Plan requirements are intended to ensure continuous improvement in the condition of forest roads over time. Large forest landowners such as Weyerhaeuser are required to submit Road Maintenance and Abandonment Plans, and to bring their road systems to the FPA standards by 2016. Small forest landowners such as the City of Ilwaco must submit a Road Maintenance and Abandonment Plan checklist with any new Forest Practices Applications. If the City makes plans to harvest more than two million board feet per year for a ten year period, it will be categorized as a large forest landowner and be subject to the more expansive RMAP regulations.

#### *Landslide Hazard Avoidance*

Forest Practices Rules and the Forest Practices Board Manual include procedures for evaluating and prescribing avoidance to landslide hazard risk associated with a proposed forest practice, (WAC 222-16-050 & WAC 222-10-030). Screening for landslide hazard is conducted on a site specific basis while developing and reviewing individual forest practices applications, and prescriptions are applied at that time. Proposed forest practices in rule identified landslide hazard situations are considered a Class IV Special Forest Practice; requiring a SEPA checklist, and potentially more detailed environmental assessments and review by licensed geologists. DNR's landslide hazard data indicates moderate to severe slope instability in locations throughout the watershed, particularly associated with convergent landforms near stream headwaters. Recent approved FPA's for road reconstruction indicate that Class IV FPA reviews for road construction are not necessarily triggered by the presence of slope instability in DNR's GIS data.

## 9.5 Monitoring and Surveillance Program

### **Forest & Roads Management Monitoring**

There is no forest management program, plan or associated monitoring program that would monitor

water quality response to active forest and roads management and major weather events. There is not a systematic monitoring program to ensure that culverts and ditch lines are not blocked. The City will utilize the Washington Department of Ecology Water Quality Program white paper dated July 6, 2010 and entitled "Forest Practices Compliance with Water Quality Standards Focus on Roads and Turbidity".

### **Forest Practices Notification**

The City Clerk is registered for forest practices notifications from WA DNR, and reviews applications through FPARS. The 1987 Agreement articulates Weyerhaeuser's obligations to provide notice to the City of forest practices in reserved timber areas. Weyerhaeuser owned lands in the watershed are not subject to the notification requirements of the 1987 Agreement.

Under Washington Administrative Code (WAC) 222-16-050, "Classes of forest practices" states, "There are four classes of forest practices created by the act. All forest practices (including those in Classes I and II) on nonfederal forest lands must be conducted in accordance with the forest practices rules. The department determines the classification of each forest practices proposal.

(1) "**Class IV-special.**" Except as provided in WAC 222-16-051, application to conduct forest practices involving the following circumstances requires an environmental checklist in compliance with the State Environmental Policy Act (SEPA), and SEPA guidelines, as they have been determined to have potential for a substantial impact on the environment. It may be determined that additional information or a detailed environmental statement is required before these forest practices may be approved.

\*(a) Aerial application of pesticides in a manner identified as having the potential for a substantial impact on the environment under WAC 222-16-070 or ground application of a pesticide within a Type A or B wetland.

(b) Specific forest practices listed in WAC 222-16-080 on lands designated as critical habitat (state) of threatened or endangered species.

(c) Harvesting, road construction, aerial application of pesticides and site preparation on all lands within the boundaries of any national park, state park, or any park of a local governmental entity, except harvest of less than five thousand board feet within any developed park recreation area and park managed salvage of merchantable forest products.

\*(d) Timber harvest, or construction of roads, landings, gravel pits, rock quarries, or spoil disposal areas, on potentially unstable slopes or landforms described in (d)(i) of this subsection that has the potential to deliver sediment or debris to a public resource or that has the potential to threaten public safety, and which has been field verified by the department." The City Clerk will request DNR to run Forest Practice applications through SEPA review if there is a potential for adverse effect on the City's water supply.

Forest practices applications require the applicant to obtain the signature of landowners in addition to the timber owners on the application form; however unless the City monitors forest practices applications on City owned land, the applications may be approved without the City's signature or knowledge.

### **Watershed Surveillance**

City water system staff inspect the impoundment wall and intake area on a weekly basis as part of their routine operations. They drive and walk upper portions of the Source Watershed on an infrequent basis to ensure there is not any illegal dumping or trespassing activities, or if staff suspects a problem. The entire source watershed is not continually patrolled, monitored or surveyed for harmful activity. The City has a boat at the treatment plant that can be used to inspect the impoundment by water; however it may not be operational.

### **Water Quality Monitoring**

The City performs water quality monitoring on a continual basis as is required by Washington State Department of Health (DOH) regulations.

## 9.6 System Operations and Emergency Provisions

The City's 2011 Water System Plan includes system operation and emergency provisions for the source watershed.

# 10. Action Plan

Potential actions and measures that can be taken to increase certainty that the City's drinking water will be protected are discussed below, and summarized with additional timing and cost information in **Table 5**.

## Goal 1: Small Steps toward More Active Management

### 1.1 Short Term Road Maintenance

The City will implement the maintenance strategy outlined in the Selected Road Inventory (**Appendix E**):

- Remove accumulated debris and sediment from four culvert inlets and outlets
- Straighten crushed culvert inlets and outlets on two culverts
- Install culvert extensions and cobble sized rock underneath three culvert outfalls

### 1.2 Expanded/Documented Monitoring

City water system staff will continue their weekly inspection of the drinking water system, including the impoundment wall and intake area as described in the 2011 Water System Plan.

The remainder of the source watershed will be patrolled on a more frequent basis than it is currently to ensure there is no illegal dumping, trespassing, or significant changes in land or water conditions. Staff will document extraordinary conditions or trending conditions in writing from each patrol. These records can provide contextual information to assist water system staff in identifying activities and management practices that improve or harm water quality, and can provide a basis for productive communication with Weyerhaeuser about watershed conditions and forest practices.

Water quality data on turbidity and other pollutants of interest will be collected and stored in a format that facilitates analyzing the relationship between these pollutants, watershed actions, and weather events over time.

### 1.3 Review and Comment on Forest Practices Applications

After reviewing forest practice applications using the WA DNR notification and review system, the City can submit comments to DNR staff within fourteen days of the notification. The City may comment on every FPA in the watershed simply to notify DNR staff of the drinking water source. The City will at its discretion request that Forest Practices applications be reviewed as Type IV Special applications requiring a SEPA checklist, if the City is concerned about impacts to the drinking water source. The rationale for this request would typically be that there is potential for the forest practice to damage a public resource from sedimentation or landslides. In addition to any DNR contacts listed on the FPA notification, the City should submit comments to [bruze.hazen@dnr.wa.gov](mailto:bruze.hazen@dnr.wa.gov) and [fp\\_pc@dnr.wa.gov](mailto:fp_pc@dnr.wa.gov). The city may consider including Washington Department of Health staff in the list of recipients.

### 1.4 Special circumstance water quality monitoring

Beyond continuing water quality monitoring prescribed by DOH, the city will consult with the Department of Health's Regional Engineer if known land use activities might cause water quality problems. The City will monitor Synthetic Organic Compounds before and after herbicide applications.

### **1.5. Timber trespass subject to treble damages**

It appears that 2 to 4 acres of City owned timber may have been inadvertently harvested by a neighboring owner in recent years. The City will investigate whether or not this occurred, and if so use the provisions of RCW 4.24.630 and RCW 64.12.030 to correct the situation.

## **Goal 2: Complete a Forest Management Plan**

### **2.1 Complete a Forest Management Plan**

A comprehensive forest and roads management plan is needed to guide holistic, specific and cost effective management of the watershed. Forest management plans with the desired qualities include delineation of manageable timber stands, characterization of timber conditions in each stand, timber growth projections under alternate prescriptions for each stand, and recommendations for future thinning and/or harvests for each timber stand. The plan will also include a detailed road and culvert inventory, with cost estimated prescriptions for each road and culvert segment.

Timber management and road management recommendations will be interrelated, in that road maintenance and reconstruction represents a primary cost in choosing to manage any given stand of timber. This Source Water Control Plan includes a “head start” on the road management element of a comprehensive forest plan, by providing a detailed inventory of a portion of the watershed’s road segments.

#### **Use a Deliberative Multi-Stakeholder Process**

The forest management plan will be built on a process that allows for the City Council and/or an advisory committee to establish policy level goals, consider alternative management approaches, and thereafter establish objectives and agree on management prescriptions. The process will also include time and resources for bringing together stakeholders such as Weyerhaeuser and Pacific County, and outside resources such as conservation investment funds.

#### **Include Recommendations to support long term land and timber acquisitions**

The forest management plan will provide management recommendations that would generate revenues to support the purchase of additional land or timber rights in the watershed, rather than revenues to only support ongoing management of the City’s existing ownership.

#### **Include Recommendations from a Consulting Forest Geologist in the Forest Management Plan**

The City will include recommendations from a consulting forest geologist in the forest management plan to improve understanding of the Source Watershed’s landslide prone areas.

#### **Include a Road Inventory of remaining road sections in the Forest Management Plan**

The road inventory completed for this plan under limited funding did not inventory several roads in the watershed, including Walberg Road, the road on the watershed’s south side that descends the ridgeline to the impoundment from Goulter road, and an unnamed south watershed perimeter road that traverses City owned property.

#### **Include Scheduled Monitoring and Maintenance**

The forest management plan will include a schedule for regular monitoring, evaluation, and minor maintenance, to manage public access and ensure that roads and culverts are not allowed to rapidly degrade into problematic erosion sources.

#### **Include Preparation for Alternative or Value Added Revenue Sources**

The management plan will address the viability and actions that would need to be taken to generate revenue from alternative products and services provided by the watershed including carbon credits and Forest Stewardship Council certification.

## **2.2 Hire a Consulting Forester to guide implementation of the Forest Management Plan**

After completing the forest management plan, the City will hire a consulting forester to assist in implementing the plan. While the plan will identify a schedule for thinning, harvests, and road management activities, a consulting forester would assist the City in bidding and managing timber and road work to maximize timber derived revenues, and ensure quality and timely completion of work by contractors. The management plan will estimate the cost of consulting forester services.

## **Goal 3: Take Collaborative Action with Neighbors**

### **3.1 City-Weyerhaeuser Action**

Schedule at least one in-person meeting per year with Weyerhaeuser's forester, or more often if activities warrant it, to update one another on respective operations and plans. An on-site visit to the watershed will be included at least once per year. Scheduled meetings are in addition to the ad hoc communications that occur or should occur between the Operator and the Weyerhaeuser Forester on an as-needed basis.

The Forester may be able to make slight management and operational changes to forest practices to accommodate the City's interests if there is at least an established relationship. Furthermore as the City begins to manage the watershed more actively, staff and contractors will need more regular access to the watershed. The City and Weyerhaeuser will need to communicate with each other proactively about forest practices that will temporarily close or create unsafe travel conditions on primary access roads. Weyerhaeuser's current Forester for the area is Chance Yeckley (360.355.0333, [Chance.Yeckley@Weyerhaeuser.com](mailto:Chance.Yeckley@Weyerhaeuser.com))

### **3.2 City- County Action**

The City will communicate with the County to ensure that drinking water quality values are reflected in the County Comprehensive Plan and Zoning Code, to limit the potential for land use conversion to non-forest uses.

The City will explore Walberg Road management opportunities with the County to prevent erosion and landslides from the county owned road. The City will also explore opportunities with the County to limit public use of Walberg road adjacent to the watershed, by removing it from the County map of roads open to ATV's, managing the primary access gate north of the impoundment, and working with Weyerhaeuser on limiting the impacts of forest practices to the road, including chronic erosion and landslide hazards.

The City will look for opportunities to collect Lidar data for the watershed as part of a larger Lidar data collection project possibly involving the county or other large landowners in the area. Lidar is useful for road and forest planning, and for evaluating landslide hazards.

## **Goal 4: Acquire Timber and Land**

### **4.1 Short Term Acquisition**

The City will negotiate for priority land and timber interests that will reduce the water quality impacts of proposed near term Weyerhaeuser harvests.

The City would seek to purchase from Weyerhaeuser in the near term the right to harvest expanded riparian or landslide protection buffers, or the entirety of reserved timber rights areas. Weyerhaeuser

may be more willing to sell entire blocks of reserved timber rather than expanded riparian buffers or timber and the land underneath it. Weyerhaeuser may also find value in changing reserved timber rights of the 1987 agreement to moderately extend further into the future.

Initiating preliminary discussion is a first step in understanding what Weyerhaeuser would be willing to negotiate over at this time. The City can then investigate opportunities within that scope of possibility to make short term acquisitions. Although some exploratory discussion has taken place with prior Weyerhaeuser or Longview Timber foresters, the City should engage directly with Weyerhaeuser's Property Development office by contacting Michelle Metcalf (360.442.4305, Michelle.Metcalf@Wyerheuser.com)

#### **4.2 Privately Financed Conservation**

At least one regional organization named Ecotrust, uses private capital (from individual or institutional investors) to buy and manage land and timber. The forests are managed for long term timber production, along with carbon sequestration, and wildlife values, in a manner that is profitable for the investors. Although the City's watershed may not be large enough to alone attract the interest of such groups, there may be opportunities for multiple local governments to participate in pooled acquisition finance opportunities, or pooled resource management planning in order to overcome economy of scale hurdles that many local governments face in initiating active management and acquisition programs in their source watersheds.

For example, it is conceivable that a conservation oriented forest investment fund could offer forest management planning assistance to multiple local governments with surface water watersheds, and offer to purchase land and timber from corporate owners, hold the land and timber for some time, and eventually sell it to the municipalities. The investment fund and planning partners would bring added value to the municipalities with carbon credits, and would achieve sufficient economies of scale in generating carbon credits by working with many municipalities at once.

#### **4.3 Conservation Partnerships for Enhanced Grant Eligibility**

As described in Appendix B Funding Sources, The City at this time is not eligible for some grant funding oriented towards wildlife habitat and small forest landowners, but could become more eligible for these funds if a small conservation organization owned and/or actively managed the land and timber in partnership with the City.

#### **4.3 Long Term Acquisition**

In the long term the City will seek to own and thereby control the whole watershed to the maximum extent possible. This is a long term aspiration, but is important to articulate separately from more short term and distinct acquisition goals.

### **Goal 5: Continually Improve Watershed Management**

#### **5.1 Learn from other forested source watersheds**

The City of Ilwaco has ongoing opportunities to meet with other towns and landowners that are in a similar situation and learn from their experiences. WA Department of Health hosts workshops for municipalities with surface drinking water sources. Staff will attend these meetings to connect with potential technical and funding resources, learn from the experiences of other municipalities, and share information about Ilwaco's challenges and successes.

#### **5.2 Update and Operationalize the Source Watershed Control Plan**

DOH requires that the City update its Watershed Control Plan at least once every six years (next scheduled

update will be in 2021), and sooner if new information is available such as deleterious changes to water quality or quantity or if there are significant changes to the watershed such as a proposed development, or changes in land-use practices. If water quality or quantity is at risk then new information and insight will be reflected in management practices, even if the Watershed Control Plan itself has not yet been updated.

## Goal 6: Increase Public Understanding

### 6.1 Improve Signage

Proactive signage and warnings at established entrances to the source watershed will alert road and trail users to the sensitivity of the area. Phrasing for signs may include: "No Trespassing," "Drinking water supply protection area," or "Sensitive Area." Additional language will be included to the effect of, "If you see suspicious activity, call City Clerk #."

Some existing signage at the Goulter Road gate, Walberg Road gate, and Walberg Road spur road on the north side of the impoundment are becoming less legible with age and vandalism.

There is currently not any signage at the entrance to abandoned spur connecting Walberg Road with unmaintained roads on the impoundment's south side. Hunters have been observed parking and walking down this road during the fall hunting season.

### 6.2 Water Quality Report and Utility Bill Communications

The City will use its annual consumer water quality report and utility bill mailings to deliver messages to the community about the value of the source watershed, the costs and benefits of active management, and improvements that the City makes in the Watershed.

### 6.3 K-12 Education/ Exhibits/ Tours

There are a few opportunities to provide enhanced outreach and education to the public and showcase watershed successes as the City makes achievements going forward. These include:

#### K-12 Education

Students in Ilwaco's schools could benefit from field trips that illustrate natural science concepts they are learning in school, while educating them about the importance of protecting the watershed.

#### Museum and Library Exhibits

Ilwaco's museum and library may both provide venues for the City to educate residents on the history of the source watershed and evolving issues.

#### Annual Tours

The City may find it beneficial to offer tours of the watershed to the public in the future to showcase successes and educate the public and watershed.

## Goal 7: Leverage & Dedicate External Funding For the Watershed

### 7.1 Plan to Use to Some Tax or Ratepayer Funding

Although the City has opportunities to obtain grants and loans, and generate revenue from timber harvests, all funding sources will require the City to make some up front investments.

- Grants require match and consultant grant writing
- Loans require reserve funds and consultant assistance
- Timber harvests require cruises, appraisals, and consultant services.

Ultimately the City would have to pay for these investments using tax or ratepayer funds. The City will consider whether its general fund and water fund budgets typically provide the flexibility that would be needed for hiring consultants and providing match for grants. If the City intends to aggressively pursue funding sources for forest planning and land acquisition, and undertake informed negotiations with Weyerhaeuser for timber and land, it will consider using a source water protection surcharge from ratepayers, or dedicating a portion of water system revenues under the existing rate structure, to ensure that funding is available as opportunities present themselves.

## **7.2 Source Water Protection Fund**

While considering the options described above in recommendation 7.1, The City will consider establishing a dedicated source water protection fund within the City's budget for source water protection activities, as a way of organizing its budget to ensure that the funding it does intend to spend on source water protection is set aside and used for that activity.

**Table 5. Recommendations Summary**

Potential Actions	Priority	Begin	End	Cost	Potential Source
1.1 Short Term Road Maintenance	High	2016	2016	Water Operator: 20 hours Contractor: 40 hours = \$3,000 - \$5,000 Culvert 3 x 20" Downspout/Extensions: \$700 -- \$900 Delivered Rock 6 yds: \$600 - \$800	City, WA DOH Grant
1.2 Expanded/Documented Monitoring	High	2016	Ongoing	Water Operator Staff: 36 hours/ year	Staff time only
1.3 Review and Comment on Forest Practices Applications	High	2015	Ongoing	Clerk/ Treasurer Staff: 20 hours/ year	Staff time only
1.4 Special circumstance water quality monitoring	Future Actions				
1.5 Timber trespass and Treble Damages	High	2016	Ongoing	Clerk/Treasurer: 36 hours/year Boundary Line Survey: \$2000 Legal Expenses: TBD	Staff time only City City
2.1 Complete a Forest Management Plan	High	2015	2017	Scoping/ Grant Proposal: 200 hours (City staff or consultant) Clerk/Treasurer: 200 hours Consultant: \$40,000 - \$50,000	WA DOH Grant
2.2 Hire a Consulting Forester to guide implementation of the Forest Management Plan	Future Actions				
3.1 City-Weyerhaeuser Action	High	2015	Ongoing	Clerk/ Treasurer: 10 hours/year	Staff time only
3.2 City- County Action	High	2015	Ongoing	Clerk/ Treasurer: 10 hours/year	Staff time only
4.1 Short Term Acquisition	High	2015	2018	Not estimated	WA DOH Grant WA Wildlife & Recreation WA Ecology Loans Conservation Partner City
4.2 Conservation Finance Partnerships	High	2015	Ongoing	Not estimated	City
4.3 Long Term Acquisition	Future Actions				
5.1 Learn from other forested source watersheds	Medium	2015	Ongoing	Clerk/ Treasurer: 5 hours/ year	Staff time only
5.2 Update and operationalize the Source Watershed Control Plan	Medium	Ongoing	2021	Clerk/ Treasurer: 20 hours Consultant: \$8,500	City, WA DOH Grant
6.1 Signage		2017	Ongoing	Water Operators: 3 hours Signs 10 x \$30: \$300	City, WA DOH Grant
6.2 Water Quality Report and Utility Bill Communications		2017	Ongoing		Staff time only
6.3 K-12 Education/ Exhibits/ Tours	Future Actions				
7.1 Tax or Ratepayer Funding		2016	2017	Not estimated	City
7.2 Source Water Protection Fund		2016	2017	Not estimated	Staff time only

Table 6. Funding for Major Near Term Actions

Action	Funding Source	Considerations
2.1. Complete a Forest Management Plan	WA DOH Source Water Protection Fund Grant	Apply in Summer/Fall 2015 or 2016. WA DOH funding would require a special commitment to manage watershed for drinking quality under a precautionary principle. Further preliminary eligibility discussion with DOH staff required.
	WA Department of Ecology Grants (319 & Centennial)	Apply in Fall 2016. The grant materials appear to support this type of project, however recent feedback from program staff was discouraging.
	Weyerhaeuser Family Foundation City General or Water Fund	Initiate discussion with non-profit applicant partner as soon as possible. Consider EcoTrust, a prior successful applicant.  Use for match and grant writing
4.1 Short Term Acquisition	Washington Wildlife & Recreation Program	Apply in Winter 2015 to Spring 2016. Wildlife Plan due in Spring 2016 required for some grant categories. Generally, City must be committed to managing acquired land for the benefit of priority species.
	City Timber Harvest outside watershed	Cruise city owned stands outside of watershed after initiating discussions with Weyerhaeuser. Cruise Weyerhaeuser stands simultaneously. Consider evaluation of City owned blown down timber south of impoundment in watershed as well.
	City General or Water Fund  Assorted Loans	Use for match, grant writing, transaction costs, and to subsidize purchase  Initiate dialogue with loan program staff after reaching out to Weyerhaeuser.

## 11. Conceptual Acquisition Strategies

### 11.1 Goals

Two broad recommended acquisition goals are listed below. The alternatives that follow primarily address the short term goal, but are applicable to the long term goal as well. The goals and alternatives are based on the assumption that the City cannot afford to buy all land and timber interests in the watershed in the near term, and that some near term water quality impacts from limited clear cutting can be tolerated by the treatment system and ratepayers.

- Short term goal (0 – 5 years): Protect water quality by acquiring limited timber and other interests throughout the watershed.
- Long term goal (5 years and beyond): Protect water quality by acquiring all timber and land interests in the watershed.

### 11.2 Negotiation Elements

Some combination of the following conceptual elements would most likely result in the most optimal and practical agreement between the City and Weyerhaeuser.

#### **Element 1: Negotiate for whole timber rights on entire units**

The City would purchase the timber rights to prevent harvest in the reserved timber areas, with additional protective measures in other areas as described below.

#### **Element 2: Negotiate for riparian buffers and other assurances**

The City would negotiate for no aerial chemical spraying, limits on ground based spraying at key locations, larger riparian buffers and/or no logging within the 200 foot buffers (in contrast to thinning as allowed). The City may have to pay for forgone timber revenues. The 1987 Agreement provides that herbicide applications may not occur without the City's permission, but that permission should not be unreasonably withheld. This provision may provide a basis for the City to require special conditions for herbicide applications that lessen potential impacts on water quality.

#### **Element 3: Negotiate for a staggered schedule of harvests**

The City would negotiate to increase the duration between Weyerhaeuser harvests, to limit acute water quality impacts. For example, under this type of agreement, Weyerhaeuser might agree to delay its harvests in the reserved timber areas such that they would not occur until at least 10 years after the completion of Weyerhaeuser harvests on the land that Weyerhaeuser owns in the remainder of the watershed. Weyerhaeuser might find value in such an agreement if it perceived improved timber prices in the future, if it valued the timber volume that would be added during the ten year delay, and if the harvest schedule complimented other harvest plans in neighboring areas.

#### **Element 4: Negotiate for discounted interests**

The City should in any case negotiate for discounts that Weyerhaeuser may also find value in. Taxation frameworks and public relations may provide Weyerhaeuser an incentive to do so. For example as part of a larger deal that included purchase of timber rights in the reserved areas, Weyerhaeuser might be willing to sell its remaining land in the watershed at a reduced cost or as a donation after it liquidates the timber in those areas.

### 11.3 Conceptual Alternatives

The following alternatives are conceptual and are intended to illustrate two alternative approaches to acquisition.

#### **Protective Approach**

The City would purchase all or most of the timber rights in the reserved timber areas to prevent it from being clear cut in the near term, while negotiating for protective forest practices on the land that Weyerhaeuser owns, and ultimately the acquisition of that land after it is harvested.

#### **Adaptive Approach**

While attempting to purchase at least some timber rights on limited acreage in the immediate term, the City would negotiate to have Weyerhaeuser's harvests staggered over an extended period of time (ten years for example) but not attempt to prevent at least one small near term harvest. The City would thereafter revise its acquisition plans for outstanding land and timber rights based on its observations of water quality performance following the initial harvest. The initial negotiated harvest schedule should be sufficiently drawn out to provide water quality benefits on its own, but also sufficiently drawn out for the City to revise its acquisitions plans, raise capital, and negotiate for the purchase of land and timber before the subsequent harvests would occur.

### 11.4 Funding Sources

The City will likely have to use general tax funds or ratepayer funds in the form of cash or debt capacity and reserves in order to complete acquisitions. Additional funding sources for acquisition are described in Funding Appendix B, and include:

- Subsidized loan opportunities.
- Limited grant opportunities.
- Sale or exchange of City owned timber outside of the watershed
- Sale of select timber from commercial-restoration thinning within the watershed
- Carbon market participation (not a near term revenue source)
- Bridge financing opportunities with conservation investment funds

### 11.5 Value for Weyerhaeuser

In negotiating with Weyerhaeuser, the city should consider the full range of Weyerhaeuser's interests, including but not limited to the following considerations.

- Weyerhaeuser could find public relations value in helping the City achieve its goals at reduced cost to the City, and the City can help Weyerhaeuser achieve that value by promoting their partnership.
- Weyerhaeuser could find value in alternative harvest schedules, associated with added timber volume, anticipated increases in timber prices, or synergies with Weyerhaeuser's mill demands or neighboring harvest schedules.
- Weyerhaeuser could find value in being relieved of its post-harvest replanting obligations, and road maintenance and abandonment obligations.
- Weyerhaeuser would find value in cash provided by the City, whether its source was a loan, grant, or otherwise.
- Weyerhaeuser could find value in acquiring land and timber owned by the City outside of the watershed, and may be more efficient at managing and harvesting that timber than the City is.

## 11.6 Next Steps

The City should reach out to Weyerhaeuser's land development office to determine their willingness to engage in negotiation over any combination of these alternatives, and should do so as soon as the City is willing. A consulting forester and assured funding sources are not needed to make initial contact. Rather, initial contact and understanding of Weyerhaeuser's willingness to negotiate on alternative topics is needed to complete a funding strategy.

The initial contact should articulate the City's interest in purchasing all timber rights in the reserved areas, and its interest in acquiring the remainder of Weyerhaeuser's interests in the watershed as a donation or bargain sale after the areas are harvested, and should request Weyerhaeuser to articulate some indication of what it would cost to do so.

After reaching out to Weyerhaeuser, the City should have a timber cruise done on its timber outside of the watershed, any timber that the City is considering purchasing, and potentially the City owned blown down salvageable timber south of the impoundment. Based on an estimate of City owned timber value and the City's willingness to harvest it, realistic expectations can be established for the City to use the funds as grant match and loan collateral. The optimal time to formally appraise the timber may be later than the cruise, depending on the speed of negotiations and the requirements of grant and loan maker

**Table 7 Parcels and Harvest Units in the Watershed**

Unit # per 1987 Agreement <sup>16</sup>	County Parcel Number	Location (all in Township 10 North, Range 10 West)	Acres <sup>17</sup>	Last known harvest	Estimated future harvest <sup>18</sup>	Harvest Related Road Work <sup>19</sup>	Timber Owner <sup>20</sup>	Land Owner <sup>21</sup>
N/a	09100300000	Section 3 (Township 9N)	640 (20 inside watershed)	Unkn.	Unkn.	2015	Weyerhaeuser	Weyerhaeuser
N/a	10103428000	NE ¼, SE ¼, SW ¼ of Section 34	480 (150 inside watershed)	Unkn.	Unkn.	2015	Weyerhaeuser	Weyerhaeuser
N/a	10103429000	East ½ of NW ¼ of Section 33	80 (60 inside watershed)	Unkn.	Unkn.	2015	Weyerhaeuser	Weyerhaeuser
N/a	10103429000 East Half	West ½ of NW ¼ of Section 33	80	Unkn.	None	None	Ilwaco	Ilwaco
N/a	10103322002 West Half	Portion of the NW ¼ of Section 33	80	Unkn.	None	None	Ilwaco	Ilwaco
N/a	10102837000	South ½ the SW ¼ of Section 28	84	Unkn.	None	None	Ilwaco	Ilwaco
625	Portion of 10102822001	Portions of all quarters in Section 28		1983	None	None	Ilwaco	Ilwaco
637	Portion of 10102822001		251(244)	1983	None	None	Ilwaco	Ilwaco
644	Portion of 10102822001			1987	None	None	Ilwaco	Ilwaco
626	10102732001 & Portion of 10102822001	Portion of SW ¼ of Section 27 & Portion of SE ¼ of Section 28	52 (59)		2018 - 2027	2015	Weyerhaeuser	Ilwaco
759	10103312003	Portion of NE ¼ of Section 33	102	Unkn.	2018 - 2027	2015	Weyerhaeuser	Ilwaco
761		Portion of NE ¼ of Section 33 & Portion of SE ¼ of Section 33	14	Unkn.	2018 - 2027	2015	Weyerhaeuser	Ilwaco

<sup>16</sup> Unit numbers provided in text and Exhibit D of the 1987 Agreement. Parcel numbers obtained from Pacific County GIS webpage.

<sup>17</sup> Acres are approximate and not based on a survey. The 1987 agreement ambiguously includes a 7 acre portion of parcel 10102732001 in the timber reservation. Including that seven acres makes the total acreage of the Unit 626 reservation 59 acres.

<sup>18</sup> Estimated future harvest in the timber reservation areas is based on the 1987 agreement parameters, that notice of intent to harvest must be provided three years in advance, and that the harvests must be completed 40 years from recording of the agreement, which occurred in 1987.

<sup>19</sup> Road work information was obtained by reviewing forest practices act applications, and field observation. Not all approved road work has been initiated as of the writing of this plan.

<sup>20</sup> The timber owner is assumed to be the same as the landowner, unless specified otherwise in the 1987 agreement.

<sup>21</sup> Landowner information was obtained from Pacific County's GIS webpage and Assessors online parcel mapping tool, and the 1987 Agreement. Pacific County information sources indicate that the entirety of parcel 10103429000 is owned by City of Ilwaco, however forest practices application indicate that the east half of the parcel remains in Weyerhaeuser ownership. Until more definitive information is available to settle the question, it is assumed for analysis purposes only that that Weyerhaeuser owns the east half of parcel 10103429000

**Table 8. Order of Magnitude Estimate of Timber Value in Reserved Timber Areas**

Parcel	Location	RMZ/ WMZ Acres Detail <sup>22</sup>	RVZ/ WMZ Adjusted Acres <sup>23</sup>	OM Board ft Detail <sup>24</sup>	OM Timber Value <sup>25</sup>
10103312003	Portion of NE ¼ of Section 33	4920 ft. of Type F 12 Core Zone Acres 22 Inner/Outer Acres 4224 ft of Type Nx 10 Acres	102 total acres Minus 27 RMZ/WMZ acres Equals 75 merchantable acres	22,000 – 25,000 bf per acre  \$300 - \$350 per 1000 bf.  Timber = \$6,600 to \$8,750 per acre	\$495,000 - \$656,250
10102732001 & Portion of 10102822001	Portion of SW ¼ of Section 27 & Portion of SE ¼ of Section 28	4771 ft. of Type Nx 11 Acres	59 total acres Minus 5.5 RMZ/WMZ acres Equals 53.5 merchantable acres	22,000 – 25,000 bf per acre  \$300 - \$350 per 1000 bf.  Timber = \$6,600 to \$8,750 per acre	\$353,100 - \$468,125
Total Order of Magnitude Estimate of Timber value in reserved timber areas					\$848,100 - \$1,124,375

<sup>22</sup> Parcel acres are approximate and not based on a survey. WA DNR stream type data were used to measure stream length by water type. Linear measurements were multiplied by FP rule buffer widths for RMZ's/WMZ's. Stream type classification and harvest options within RMZ zones are finalized at the time of forest practices application review, therefore the real harvestable timber will vary from the estimates provided here.

<sup>23</sup> Type F Inner and Outer Zone acres, and Nx acres were halved to approximately represent harvest limitations in these areas.

<sup>24</sup> The board foot volume per acre based on visual observation from roads is a preliminary estimate. The board foot value is based on a 2013 sample appraisal from SW Washington and personal communications with professional forest managers, and represents the net value of timber after the cost of harvest and hauling.

<sup>25</sup> Order of Magnitude (OM) Timber Value does not include acreage of spur road ROW's and platforms that have already been harvested. Although this biases the estimate towards being too high, Weyerhaeuser might expect to recuperate the sunk cost of road and platform reconstruction that has occurred. The estimate does not include transaction costs. An estimate of value for the reserved timber area used in prior City communications was \$3,500 per acre; however the assumptions underlying that estimate aren't known and therefore were not used in this analysis. An order of magnitude estimate is accurate to within an order of magnitude.

**Table 9. Order of Magnitude Estimate of the Bare Land Value Owned By Weyerhaeuser<sup>26</sup>**

County Parcel Number	Location (all in Township 10 North, Range 10 West)	Acres <sup>27</sup>	Bare Land Value per Acre <sup>28</sup>	Order of Magnitude Bare Land Value <sup>29</sup>
09100300000	Section 3 (Township 9N)	640 (20 inside watershed)		\$10,000 - \$14,000
10103428000	NE ¼, SE ¼, SW ¼ of Section 34	480 (150 inside watershed)	\$500 - \$700 per acre	\$75,000 - \$105,000
10103429000 East Half	East ½ of NW ¼ of Section 33	80 (60 inside watershed)		\$30,000 - \$42,000
Total Order of Magnitude Estimated Value of Bare Land owned by Weyerhaeuser =				\$115,000 - \$161,000

<sup>26</sup> The land is currently forested. This estimate contemplates the value of the bare land after the timber is harvested.

<sup>27</sup> Acres are approximate and not based on a survey. The 1987 agreement ambiguously includes a 7 acre portion of parcel 10102732001 in the timber reservation. Including that seven acres makes the total acreage of the Unit 626 reservation 59 acres.

<sup>28</sup> Land value per acre range obtained from personal communication with professional foresters.

<sup>29</sup> The estimate does not include transaction costs. An order of magnitude estimate is accurate to within an order of magnitude. Exact acreage, market changes, and the interests of transaction participants affect value.

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#### **Data Sources**

Pacific County Assessor

Pacific County GIS Webpage

Western Regional Climate Center

Washington Department of Natural Resources Geosciences Portal

Washington State Forest Practices Spatial Datasets

Washington State Forest Practices Application Review System

Ilwaco Water System Plan 2011



**Chapter 2.28  
MAYOR**

Sections:

**2.28.010 Duties.**

**2.28.020 Salary.**

**2.28.010 Duties.**

In adherence to RCW 35.27.160:

- A. The mayor shall preside over all meetings of the council at which he or she is present.
- B. A mayor pro-tempore may be chosen by the council for a specified period of time, not to exceed twelve (12) months, to act as the mayor in the absence of the mayor.
- C. The mayor shall sign all warrants drawn on the treasurer and shall sign all written contracts entered into by the city.
- D. The mayor may administer oaths and affirmations, and take affidavits and certify them.
- E. The mayor shall sign all conveyances made by the city and all instruments which require the seal of the city. (Ord. 718 (part), 2006)

**2.28.020 Salary.**

Effective April 1, 1992, the mayor shall be paid five hundred dollars (\$500.00) per month. (Ord. 718 (part), 2006; Ord. 568A §§ 1—3, 1992)

Mobile Version



**CITY OF ILWACO**

**ORDINANCE NO. 857**

**AN ORDINANCE OF THE CITY OF ILWACO, WASHINGTON, ADOPTING SALARY CLASSIFICATIONS & ESTABLISHING THE 2016 PAY TABLE.**

**WHEREAS**, the City of Ilwaco is committed to a policy that places every employee on a pay scale; and

**WHEREAS**, the city must be financially responsible in implementing compensation plan changes; and

**WHEREAS**, the City Council has determined that it will have the final approval on all pay policy issues; and

**WHEREAS**, no change in any employee personnel status (rate of pay) is intended by this action.

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF ILWACO, WASHINGTON, DOES ORDAIN AS FOLLOWS:**

**Section 1.** The City Council of the City of Ilwaco, Washington, adopts the City of Ilwaco Position Grades and Brief Descriptions, attached hereto as Exhibit "A."

**Section 2.** Each employee's pay shall remain unchanged through this action even though the position grade title may be modified.

**Section 3.** Severability. If any section, subsection, paragraph, sentence, clause or phrase of this ordinance is declared unconstitutional or invalid for any reason, such decision shall not affect the validity of the remaining parts of this ordinance.

**Section 4.** Referendum and Effective Date. This Ordinance, being an exercise of a power specifically delegated to the city legislative body, is not subject to referendum, and shall take effect and is in full force five (5) days after its passage, approval and publication of an approved summary of the title as provided by law.

**PASSED BY THE CITY COUNCIL OF THE CITY OF ILWACO, AND SIGNED IN AUTHENTICATION OF ITS PASSAGE THIS 23RD DAY OF NOVEMBER, 2015**

---

Mike Cassinelli, Mayor

ATTEST:

\_\_\_\_\_  
Holly Beller, City Clerk

VOTE	Jensen	Karnofski	Marshall	Chambreau	Forner	Cassinelli
Ayes	X		X	X	X	
Nays						
Abstentions						
Absent		X				

PUBLISHED: December 2, 2015

EFFECTIVE: December 7, 2015

**Exhibit “A”  
City of Ilwaco  
Position Grades and Brief Descriptions**

<b>Administrative Position</b>	<b>Grade</b>	<b>Level</b>
<b>Non-Exempt Positions</b>		
Office Assistant 3	3	Office assistant
Office Assistant 4	4	Office assistant/billing clerk
Office Assistant 5	5	Senior office assistant/billing clerk
Deputy City Clerk 5	5	Deputy city clerk
Deputy City Clerk 6	6	Deputy city clerk
Deputy City Clerk 7	7	Deputy city clerk
Deputy City Clerk 8	8	Senior deputy city clerk
<b>Exempt Positions</b>		
City Clerk 8	8	City clerk
City Clerk 9	9	City clerk
City Clerk 10	10	City clerk
City Clerk 11	11	Senior city clerk
Treasurer 8	8	City treasurer
Treasurer 9	9	City treasurer
Treasurer 10	10	City treasurer
Treasurer 11	11	Senior city treasurer
Treasurer 12	12	Senior city treasurer

**Office Assistant 3:**-Office assistant. Entry-level position. Receives work direction, guidance and supervision from senior office staff members. Develops office skills and experience with guidance from others. Assists with utility billing.

**Office Assistant 4:** Office assistant/billing clerk. Performs many tasks independently. Proficient with word processing and spreadsheets. Expected to handle routine city business on the telephone and with visitors. Able to do most utility billing tasks.

**Office Assistant 5:** Senior office assistant/billing clerk. Performs most tasks independently without guidance or supervision. Determines own priorities. Proficient with word processing, spreadsheet and databases. Configures new computers for printing, simple networking and email and application installation. Does utility billing independently. Supervises others, as necessary.

**Deputy City Clerk 5:** Deputy City clerk. Entry-level position. Performs or is capable of performing all duties equivalent to Office Assistant 5. Receives work direction, guidance and supervision from the city clerk, city treasurer or mayor in matters involving the city clerk's duties.

**Deputy City Clerk 6:** Deputy City clerk. Performs some city clerk tasks independently, with

minimum guidance or supervision, as assigned by the city clerk, city treasurer or mayor. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications.

**Deputy City Clerk 7:** Deputy City clerk. Performs many city clerk tasks independently, with minimum guidance or supervision, as assigned by the city clerk, city treasurer or mayor. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications.

**Deputy City Clerk 8:** Senior deputy city clerk. Performs most city clerk tasks independently without guidance or supervision, as assigned by the city clerk, city treasurer or mayor. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications.

**City Clerk 8:** City clerk. Entry-level position. An administrative position with primary duties that includes exercising discretion and independent judgment with respect to matters of significance. Performs some city clerk tasks independently with guidance and supervision. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications. *Note: A change in position from Assistant Clerk 7 to City Clerk 7 would normally be accompanied by a two-step, in-grade increase and a change from non-exempt status to exempt status.*

**City Clerk 9:** City clerk. An administrative position with primary duties that includes exercising discretion and independent judgment with respect to matters of significance. Performs most city clerk tasks independently with minimum guidance or supervision. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications.

**City Clerk 10:** City clerk. An administrative position with primary duties that includes exercising discretion and independent judgment with respect to matters of significance. Performs all duties of the city clerk without guidance or supervision. Drafts simple legislation that can be enacted into law without undue revision. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications. Represents the city in outside meetings, as appropriate.

**City Clerk 11:** Senior city clerk. An administrative position with primary duties that includes exercising discretion and independent judgment with respect to matters of significance. Performs all duties of the city clerk without guidance or supervision. Drafts complex legislation that can be enacted into law without undue revision. Briefs the mayor and City Council on the effect of proposed legislation. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules.

Writes grant applications. Represents the city in outside meetings, as appropriate. Acts as senior advisor to the mayor and City Council in city matters.

**Treasurer 8:** City treasurer. Entry-level position. Performs some treasurer tasks independently with guidance and supervision. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications. Trained in accounting and develops experience with accounting software and city transactions and budgeting.

**Treasurer 9:** City treasurer. Performs most treasurer tasks independently with guidance and supervision. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications. Trained in accounting and develops experience with accounting software and city transactions and budgeting.

**Treasurer 10:** City treasurer. Performs treasurer tasks independently without guidance or supervision. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications. Has some advanced training in accounting and has experience with accounting software and city transactions and budgeting. Prepares and briefs the city budget to the mayor and City Council, including coordinating with department heads. Performs all the duties of the city clerk, if assigned.

**Treasurer 11:** Senior city treasurer. Performs treasurer tasks independently without guidance or supervision. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications. Has advanced training in accounting and has experience with accounting software and city transactions and budgeting. Prepares and briefs the city budget to the mayor and City Council, including coordinating with department heads. Represents the city in outside meetings, as appropriate. Acts as senior advisor to the mayor and City Council in city matters. Performs all the duties of the city clerk, if assigned.

**Treasurer 12:** Senior city treasurer. Performs treasurer tasks independently without guidance or supervision. Performs or is capable of performing all duties equivalent to Office Assistant 5. Supervises office staff as necessary, including setting priorities and work schedules. Writes grant applications. Has advanced training in accounting and has experience with accounting software and city transactions and budgeting. Prepares and briefs the city budget to the mayor and City Council, including coordinating with department heads. Represents the city in outside meetings, as appropriate. Acts as senior advisor to the mayor and City Council in city matters. Performs all the duties of the city clerk, if assigned. Experienced and possesses necessary skills for position and/or is highly capable of seeking needed resources.

<b>Field Positions</b>	<b>Grade</b>	
<b>Non-Exempt Positions</b>		
Utility Worker 3	3	Entry level
Utility Worker 4	4	Established (gaining experience)
Utility Worker 5	5	Experienced
Utility Worker 6	6	Experienced (works independently)
Utility Worker 7	7	Lead
Utility Supervisor 8	8	Senior lead
Utility Supervisor 9	9	Senior
Utility Supervisor 10	10	Senior
Utility Supervisor 11	11	Senior
Utility Supervisor 12	12	Senior
Plant Operator 5	5	Entry level
Plant Operator 6	6	Established (gaining experience)
Plant Operator 7	7	Experienced
Plant Operator 8	8	Experienced (works independently)
Plant Operator 9	9	Senior/lead operator
Plant Operator 10	10	Senior
Plant Operator 11	11	Senior
Plant Operator 12	12	Senior
Mechanic 7	7	Entry level
Mechanic 8	8	Experienced
Mechanic 9	9	Senior
<b>Exempt Positions</b>		
Utility Manager 7	7	Entry level
Utility Manager 8	8	Experienced
Utility Manager 9	9	Experienced
Utility Manager 10	10	Senior
Fire Administrator 7	7	Experienced
Fire Administrator 8	8	Experienced
Fire Administrator 9	9	Experienced
Fire Administrator 10	10	Senior
Fire Chief 8	8	Experienced
Fire Chief 9	9	Experienced
Fire Chief 10	10	Experienced
Fire Chief 11	11	Experienced
Fire Chief 12	12	Senior

**Utility Worker3:** Entry-level utility worker. Receives direction and guidance from others.

**Utility Worker4:** Established utility worker gaining experience. Receives direction and guidance from others.

**Utility Worker5:** Experienced utility worker. Works with some supervision and guidance.

**Utility Worker 6:** Experienced utility worker. Works independently.

**Utility Worker 7:** Lead utility worker/supervisor. Works independently and gives guidance to others. Has responsibility for one utility area (e.g. sewer or water distribution, streets and sidewalks, equipment).

**Utility Supervisor 8:** Utility supervisor. Receives some guidance and supervision from others. Participates in all aspects of utility operations. Sets work priorities and tasking. Ensures quality and efficiency of operations. Makes continual improvements for efficiency and quality of operations. Takes a lead role in configuration management. Prepares the department budgets with guidance.

**Utility Supervisor 9:** Senior utility supervisor. Works independently and supervises others. Ensures quality and efficiency of operations. Makes continual improvements for efficiency and quality of operations. Works closely with the city engineer in planning improvements to city infrastructure. Acts as city liaison for construction projects. Sets priorities and assigns tasks. Ensures effective configuration management. Prepares the department budgets with some guidance.

**Utility Supervisor 10:** Senior utility supervisor. Works independently and supervises others. Ensures quality and efficiency of operations. Makes continual improvements for efficiency and quality of operations. Works closely with the city engineer in planning improvements to city infrastructure. Acts as city liaison for construction projects. Sets priorities and assigns tasks. Ensures effective configuration management. Prepares the department budgets with some guidance.

**Utility Supervisor 11:** Senior utility supervisor. Works independently and supervises others. Ensures quality and efficiency of operations. Makes continual improvements for efficiency and quality of operations. Works closely with the city engineer in planning improvements to city infrastructure. Acts as city liaison for construction projects. Sets priorities and assigns tasks. Ensures effective configuration management. Prepares the department budgets with some guidance. Experienced and possesses necessary skills for position and/or is highly capable of seeking needed resources.

**Utility Supervisor 12:** Senior utility supervisor. Works independently and supervises others. Ensures quality and efficiency of operations. Makes continual improvements for efficiency and quality of operations. Works closely with the city engineer in planning improvements to city infrastructure. Acts as city liaison for construction projects. Sets priorities and assigns tasks. Ensures effective configuration management. Prepares the department budgets with some

guidance. Experienced and possesses necessary skills for position and/or is highly capable of seeking needed resources. When needed reports to the appropriate state agencies and has either water or wastewater certifications exceeding level II requirements.

**Plant Operator 5:** Entry-level plant operator. Receives direction and guidance from others. Capable of some plant operations and minor repairs without assistance. Communicates plant status to others. Performs other Public Works duties.

**Plant Operator 6:** Established with at least one year of full-time plant operation experience. Receives direction and guidance from others. Capable of most routine plant operations and minor repairs without assistance. Communicates plant status to others verbally, in writing and through means of computer file transfers. Primary duties are plant operations. Performs other Public Works duties.

**Plant Operator 7:** Experienced plant operator with at least two years of full-time plant operation experience. Receives direction and guidance from others. Capable of most routine plant operation and minor repairs without assistance. Communicates plant status to others verbally, in writing and through means of computer file transfers. Primary duties are plant operations. Performs other Public Works duties.

**Plant Operator 8:** Experienced plant operator with at least four years of full-time plant operation experience. Receives some direction and guidance from others. Provides some supervision and guidance to others. Capable of plant operations requiring the exercise of judgment, including making process adjustments and moderate repairs without supervision. Communicates plant status to others verbally, in writing and through means of computer file transfers. Primary duties are plant and systems operations.

**Plant Operator 9:** Lead plant operator/plant supervisor with at least five years of full-time plant operation experience. Works independently and supervises others. Capable of plant operations requiring the exercise of judgment, including making any and all process adjustments and complex repairs without supervision. Submits reports to DOH/DOE. Communicates plant status to others verbally, in writing and through means of computer file transfers. Primary duties are systems operations and supervision.

**Plant Operator 10:** Senior plant operator/plant supervisor with at least five years of full-time plant operation experience combined with demonstrated supervisory experience. Works independently and supervises others. Capable of plant operations requiring the exercise of judgment, including making any and all process adjustments and complex repairs at the plant and throughout the entire distribution system without supervision. Submits reports to DOH/DOE. Communicates plant status to others verbally, in writing and through means of computer file transfers. Sets priorities and assists in preparing/managing the budget. Primary duties are systems operations and supervision.

**Plant Operator 11:** Senior plant operator/plant supervisor with at least eight years of full-time plant operation experience combined with demonstrated supervisory experience. Works independently and supervises others. Capable of plant operations requiring the exercise of

judgment, including making any and all process adjustments and complex repairs at the plant and throughout the entire distribution system without supervision. Submits reports to DOH/DOE. Communicates plant status to others verbally, in writing and through means of computer file transfers. Sets priorities and assists in preparing/managing the budget. Primary duties are systems operations and supervision.

**Plant Operator 12:** Senior plant operator/plant supervisor with at least ten years of full-time plant operation experience combined with demonstrated supervisory experience. Works independently and supervises others. Capable of plant operations requiring the exercise of judgment, including making any and all process adjustments and complex repairs at the plant and throughout the entire distribution system without supervision. Submits reports to DOH/DOE. Communicates plant status to others verbally, in writing and through means of computer file transfers. Sets priorities and assists in preparing/managing the budget. Primary duties are systems operations and supervision.

**Mechanic 7:** Entry-level mechanic. Capable of maintaining vehicles and equipment with some supervision and guidance.

**Mechanic 8:** Experienced mechanic. Capable of maintaining vehicles, equipment and city infrastructure equipment with minimum supervision and guidance. Sets own priorities. Supervises others, as necessary.

**Mechanic 9:** Senior mechanic. Capable of maintaining vehicles, equipment and city infrastructure equipment without supervision. Sets own work schedules and priorities. Supervises others.

**Utility Manager 7:** Entry-level utility manager. Receives guidance and supervision from others. Participates in some aspects of utility operations and management. Sets work priorities and tasking. Ensures quality and efficiency of operations. Participates in configuration management. Assists in developing the department budget.

**Utility Manager 8:** Experienced utility manager. Receives some guidance and supervision from others. Participates in all aspects of utility operations and management. Sets work priorities and tasking. Ensures quality and efficiency of operations. Makes continual improvements for efficiency and quality of operations. Takes a lead role in configuration management. Prepares the department budgets with guidance.

**Utility Manager 9:** Experienced utility manager/director. Works independently. Participates in all aspects of utility operations and management. Sets work priorities and tasking. Ensures quality and efficiency of operations. Makes continual improvements for efficiency and quality of operations. Works closely with the city engineer in planning improvements to city infrastructure. Acts as city liaison for construction projects. Provides management information on status of the city infrastructure and does tradeoff analysis in problem solving and in proposing changes. Ensures effective configuration management. Prepares the department budgets with some guidance.

**Utility Manager 10:** Senior utility manager/director. Participates in all aspects of utility operations and management. Sets work priorities and tasking. Ensures quality and efficiency of operations. Makes continual improvements for efficiency and quality of operations. Works closely with the City Engineer in planning improvements to city infrastructure. Acts as city liaison for construction projects. Provides management information on status of the city infrastructure and does tradeoff analysis in problem solving and in proposing changes. Conceives and effectively executes improvement projects without supervision. Ensures effective configuration management. Prepares the department budget without guidance.

**Fire Administrator 7:** Reports directly to the Fire Chief and participates in the development and maintenance of all emergency management plans, support materials, reports and related documents. Conducts directed research, as well as independent internet-based research on a variety of emergency management and related topics. Develops or compiles documents, correspondence and materials, including all programmatic reports, as well as awards from non-government funding sources. Monitors and maintains federal, state, allied organization, professional and county newsletters, reports and related documents as directed.

**Fire Administrator 8:** Reports directly to the Fire Chief and works with little or no supervision under the Fire Chief's directions and performs the duties of Fire Administrator 7, as required. Obtains and perform duties as an EMT and Firefighter, respiratory testing officer for SCBA face piece and M95 mask fit tests and directs the training or assigns instructors to training classes. The Fire Administrator 8, documents all training and Fire/EMS requirements for compliance with National Fire Incident Reporting System, L&I, NFPA and FEMA standards, including evaluating fire station and fire ground safety standards procedures and enforcement. Fire Administrator 8, also records vehicle, station and equipment inspections, records and files personnel accident reports, create fire department related forms, performs or directs firefighters in station maintenance duties and participates in those duties. The Fire Administrator along with the Fire Chief, councils, evaluates and gives corrective disciplinary actions to department members. In the absence of Chief Fire Officers at an emergency incident performs as the Incident Commander until relieved.

**Fire Administrator 9:** Reports directly to the Fire Chief and performs the duties of Fire Administrator 7 & 8, as required. Attend workshops and training on current ordinances, regulations and building codes, participates in fire safety programs and distribution of fire prevention materials and smoke detectors. Fire Administrator 9, works with other fire jurisdictions on fire and natural disaster training, drill planning and fire standards. The Fire Administrator documents arson fires, fire statistics, create fire maps, publications and presentations.

**Fire Administrator 10:** Reports directly to the Fire Chief and assist the Fire Chief with the inspection of properties to ensure compliance with fire codes, ordinances and laws. Review building plans with the Fire Chief and document needed changes, corrections and violations.

Perform the duties of Fire Administrator 7, 8, & 9, as needed, or duties as directed by the Fire Chief.

**Fire Chief 8:** Reports directly to the Mayor, plans, organizes, directs and evaluates the Ilwaco Volunteer Fire Department, which protects lives and property from fire and hazardous incident damage. Provides timely emergency medical services in the City of Ilwaco and other neighboring municipalities, which have contracted for fire protection services. Ensures the department incorporates up-to-date, efficient fire prevention, fire suppression, hazardous incident mitigation and emergency medical technologies into its procedures, equipment and methods. Recruits, performs back ground checks and trains new volunteer firefighters.

**Fire Chief 9:** Reports directly to the Mayor, and the Fire Chief will administer, plan, direct and control all aspects of the Ilwaco Volunteer Fire Department including the administration, fire suppression, fire prevention and rescue activities of the department as authorized by and in compliance with all City Ordinances, State or Federal laws. The Fire Chiefs administrative duties include the direct control of equipment purchasing, department expenditures, the preparation of the budget and the hiring, assigning, or the appointment and termination of Officers and Volunteer members. The Fire Chief is responsible for Fire Code review, corrective code improvements, the compliance and the approval of building plans. The Fire Chief shall carry out all of the duties included in Fire Chief 8, and additional duties as required.

**Fire Chief 10:** Reports directly to the Mayor, and the Fire Chief will develop a long-range capital plan for apparatus replacement, personnel changes, the need for additional fire stations, the maintenance of all of the fire facilities, the relocation and/or replacement. The Fire Chief will participate in local and regional emergency preparedness drills and the planning process. The Fire Chief shall ensure that adequate mutual aid agreements are in place for major emergency incidents. The Fire Chief shall carry out all of the duties included in Fire Chief 8 and 9, and, any additional duties as required.

**Fire Chief 11** Reports directly to the Mayor and shall carry out all duties included in Fire Chief 8, 9 and 10, and, any additional duties as required. The Fire Chief shall ensure that the Mayor, Council and all Department heads, and staff participate in Natural Disaster preparedness drills, the understanding of the National Incidents Management System (NIMS), including their job requirements, responsibilities and Federal Documentation requirements during a disaster.

**Fire Chief 12** Reports directly to the Mayor and shall carry out all duties included in Fire Chief 8, 9, 10 and 11, and, represents the department at various local and state training seminars, hearings and meetings. Fire Chief 12 is responsible for managing and coordinating and serving as Incident Commander (IC) in the City's Emergency Operation Center (EOC) during Major Events.

**CITY OF ILWACO**

**ORDINANCE NO. 8XX EXHBIT B**

**2016 PAY TABLE (Effective January 1, 2016)**

2016

City of Ilwaco  
Exempt Employee Annual Salary Scale

Step	1	2	3	4	5	6	7	8	9	10
Grade	Years to Step									
		1	1	1	2	2	2	3	3	3
3	22517	23268	24018	24769	25520	26271	27022	27773	28524	29274
4	25276	26119	26962	27804	28647	29490	30332	31175	32018	32860
5	28280	29223	30166	31109	32053	32996	33939	34882	35825	36769
6	31524	32575	33626	34678	35729	36781	37832	38883	39935	40986
7	35031	36198	37365	38533	39700	40867	42034	43202	44369	45536
8	38795	40088	41381	42674	43967	45260	46553	47846	49139	50431
9	42850	44278	45707	47135	48564	49992	51421	52849	54278	55706
10	47188	48760	50333	51906	53479	55051	56624	58197	59770	61342
11	51907	53635	55362	57078	58807	60512	62237	63965	65692	67420
12	57674	59594	61513	63420	65341	67236	69152	71072	72991	74911

2016

City of Ilwaco  
Non-Exempt/Hourly Employee Hourly Rate of Pay Scale

Step	1	2	3	4	5	6	7	8	9	10
Grade	Years to Step									
		1	1	1	2	2	2	3	3	3
3	10.83	11.19	11.55	11.91	12.27	12.63	12.99	13.35	13.71	14.07
4	12.15	12.56	12.96	13.37	13.77	14.18	14.58	14.99	15.39	15.80
5	13.60	14.05	14.50	14.96	15.41	15.86	16.32	16.77	17.22	17.68
6	15.16	15.66	16.17	16.67	17.18	17.68	18.19	18.69	19.20	19.70
7	16.84	17.40	17.96	18.53	19.09	19.65	20.21	20.77	21.33	21.89
8	18.65	19.27	19.89	20.52	21.14	21.76	22.38	23.00	23.62	24.25
9	20.60	21.29	21.97	22.66	23.35	24.03	24.72	25.41	26.09	26.78
10	22.69	23.44	24.20	24.95	25.71	26.47	27.22	27.98	28.74	29.49
11	24.96	25.79	26.62	27.44	28.27	29.09	29.92	30.75	31.58	32.41
12	27.73	28.66	29.58	30.49	31.41	32.32	33.24	34.17	35.09	36.01