



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Application for a Permit to Use Surface Water

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. A summary of review criteria and procedures that are generally applicable to these applications is available at www.wrd.state.or.us/OWRD/PUBS/forms.shtml.

1. APPLICANT INFORMATION

A. Applicants

Applicant: _____
First Last

Mailing Address: _____

City State Zip

Phone: _____
Home Work Other

*Fax: _____ *Email Address: _____

B. Organizations

(Corporations, associations, firms, partnerships, joint stock companies, cooperatives, public and municipal corporations)

Name of Organization: City of Detroit

Name and Title of Person Applying: Margaret H. Scott, Mayor

Mailing Address or Organization: PO Box 589

Detroit OR 97342
City State Zip

Phone : (503) 854-3496
Day Evening

*Fax: _____ *Email Address: detroit@wvi.com

*Optional

For Department Use		
App. No. <u>S-87452</u>	Permit No. _____	Date _____

2. SOURCE AND PROPERTY OWNERSHIP

A. The Proposed Source of Water

Provide the commonly used name of the water body from which water will be diverted, and the name of the stream or lake it flows into. If unnamed, say so:

Source 1: <u>Mackey Creek</u>	Tributary to: <u>North Santiam</u>
Source 2: _____	Tributary to: _____
Source 3: _____	Tributary to: _____
Source 4: _____	Tributary to: _____

If any source listed above is stored water that is authorized under a water right permit, certificate, or decree, attach a copy of the document or list the document number (for decrees, list the volume, page and/or decree name).

N/A

B. Applications to Use Stored Water

Complete this section if any source listed in item 2A above is stored water.

Do you, or will you, own the reservoir(s) described in item 2A above?

☐ Yes

☐ No. (Please enclose a copy of your written notification to the operator of the reservoir of your intent to file this application, which you should have already mailed or delivered to the operator.)

If *all* sources listed in item 2A are stored water, the Department will review your application using the expedited process provided in ORS 537.147, unless you check the box below. Please see the instruction booklet for more information.

☐ By checking this box, you are requesting that the Department process your application under the standard process outlined in ORS 537.150 and 537.153, rather than the expedited process provided by ORS 537.147. To file an application under the standard process, you must enclose the following:

- A copy of a signed non-expired contract or other agreement with the owner of the reservoir (if not you) to impound the volume of water you propose to use in this application.
- A copy of your written agreement with the party (if any) delivering the water from the reservoir to you.

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C. Property Ownership

Do you own all the land where you propose to divert, transport, and use water?

☐ Yes (Please check appropriate box below then skip to section 3 'Water Use')

☐ There are no encumbrances

☐ This land is encumbered by easements, rights of way, roads or other encumbrances
(please provide a copy of the recorded deed(s))

☒ No (Please check the appropriate box below)

☒ I have a recorded easement or written authorization permitting access.

☐ I do not currently have written authorization or easement permitting access.

☐ Written authorization or an easement is not necessary, because the only affected
lands I do not own are state-owned submersible lands, and this application is for
irrigated and/or domestic use only (ORS 274.040).

You must provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.

List the names and mailing addresses of all affected landowners.

Oregon Department of Forestry
1225 SE Ferry Street
Salem, OR 97301

3. WATER USE

Please read the instruction booklet for more details on "type of use" definitions, how to express how much water you need and how to identify the water source you propose to use. You must fill out a supplemental form for some uses as they require specific information for that type of use.

A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

- If your proposed use is **domestic**, indicate the number of households to be supplied with water: _____
- If your proposed use is **irrigation**, please attach **Form I**
- If your proposed use is **mining**, attach **Form R**
- If your proposed use is **municipal or quasi-municipal**, attach **Form M**
- If your proposed use is **commercial/industrial**, attach **Form Q**

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B. Amount of Water

Provide the amount of water you propose to use from each source, for each use, in cubic feet-per-second (cfs) or gallons-per-minute (gpm). If the proposed use is from storage, provide the amount in acre-feet (af):

(1 cfs equals 448.8 gpm. 1 acre-foot equals 325,851 gallons or 43,560 cubic feet)

Source	Type of use	Amount
Mackey Creek	Municipal	1 ☒ cfs ☐ gpm ☐ af
		☐ cfs ☐ gpm ☐ af
		☐ cfs ☐ gpm ☐ af
		☐ cfs ☐ gpm ☐ af

C. Period of Use

Indicate the time of year you propose to use the water: Year round (as flows permits)
(For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1-October 31.)

If you will be applying water to land, indicate the total number of acres where water will be applied or used: _____
(This number should be consistent with your application map.)

4. WATER MANAGEMENT**A. Diversion**

What method will you use to divert water from the source?

☐ Pump (give horsepower and pump type): _____

☒ Head-gate (give dimensions): 20-ft by 4-ft

☐ other means (describe): _____

B. Monitoring

How will you monitor your diversion to be sure you are within the limits of your water right (allowed rate and duty) and you are not wasting water?

☐ Weir

☒ Meter

☐ Periodic Sampling

☐ other means (describe): _____

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Surface Water/4

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C. Transport

How will you transport water to your place of use?

☐ Ditch or canal (give average width and depth):

Width _____ Depth _____

Is the ditch or canal to be lined? ☐ Yes ☐ No

☒ Pipe (give diameter and total length):

Diameter 4-inch Length ~ 1/2 mile

☐ other, describe: _____

D. Application/Distribution Method

What equipment will you use to apply water to your place of use?

Existing water transmission, treatment, and distribution system

Irrigation or land application method (check all that apply):

- | | | |
|--|--|---|
| ☐ Flood | ☐ High pressure sprinkler | ☐ Low pressure sprinkler |
| ☐ Drip | ☐ Water Cannons | ☐ Center pivot system |
| ☐ Hand Lines | ☐ Wheel Lines | |
| ☐ Siphon tubes or gated pipe with furrows | | |
| ☐ other, describe: _____ | | |

Distribution method

- ☒ Direct pipe from source ☐ In-line storage (tank or pond) ☐ Open Canal

E. Conservation

What methods will you use to conserve water? Why did you choose this distribution or application method? Have you considered other methods to transport, apply, distribute or use water? For example, if you are using sprinkler irrigation rather than drip irrigation, explain. If you need additional space, attach a separate sheet.

The City has installed water meters at each of its water diversions, treatment plant, and service connections. This allows the City to charge customers based on water usage. It also allows the City to quantify unaccounted water, track water use trends, improve system management and operation, and perform regular water audits. The City is also planning to complete a Water Management & Conservation Plan that will be used to develop additional conservation programs in the future.

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5. RESOURCE PROTECTION

A. Protection Practices

In granting permission to use water from a stream or lake, the state encourages, and in some instances requires, careful control of activities that may affect the waterway or streamside area. See instruction guide for a list of possible permit requirements from other agencies. Please indicate any of the practices you plan to undertake to protect water resources.

- ☒ Diversion will be screened to prevent uptake of fish and other aquatic life. Describe planned actions:

The City is seeking to increase its current permitted diversions from Mackey Creek. Additional diversions will utilize the existing intake infrastructure. The existing intake consists of a fish friendly stainless steel screen filter inlet box that contains a secondary slotted screen on the outlet to the water treatment plant.

- ☒ Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas. Describe planned actions:

The City plans to use the existing intake facilities. Therefore, no excavation and/or clearing is anticipated.

- ☒ Operating equipment in a water body will be managed and timed to prevent damage to aquatic life. Describe:

The City plans to use the existing facilities. Therefore, it is expected that no equipment will be operated in the creek, thus no risk to aquatic life is anticipated.

- ☒ Water quality will be protected by preventing erosion and run-off of waste or chemical products. Describe:

The City plans to use the existing intake facilities. Therefore, no risk to water quality is anticipated.

- ☐ Other:

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6. PROJECT SCHEDULE

Indicate the anticipated dates that the following construction tasks should begin. If construction has already begun, or is completed, please indicate that date.

Proposed date construction will begin: N/A - Using Existing Facilities

Proposed date construction will be completed: N/A - Using Existing Facilities

Proposed date beneficial water use will begin: October 1, 2010

Is this project fully or partially funded by the American Recovery and Reinvestment Act? (Federal stimulus dollars) ☐ Yes ☒ No

7. REMARKS

If you would like to clarify any information you have provided in the application, please do so here and reference the specific application question you are addressing.

The City has an existing certified water right on Mackey Creek (Certificate #33192) that permits diversions up to 0.25 cfs. The Mackey Creek source flows to the City's water treatment plant (WTP) through a gravity pipeline, unlike the City's other water source on Breitenbush River, which requires two pump stations to deliver water to the WTP. The City maximizes its diversions from Mackey Creek (as flows permit) due to its excellent water quality and low operational costs. This has resulted in the City using Mackey Creek exclusively during periods of high stream flows, typically November through April. Unfortunately, the City's existing water right on Mackey Creek is insufficient to meet current peak winter demands. Therefore, the City is requesting additional water rights to be granted on Mackey Creek. This will allow the City to comply with State regulations while minimizing its operational costs.

8. MAP REQUIREMENTS

The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed points of diversion and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

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9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water right holders to get water to which they are entitled.

I swear that all information provided in this application is true and correct to the best of my knowledge:

Margaret A. Scott, Mayor
Signature of Applicant (If more than one applicant, all must sign.)

4-29-09
Date

Before you submit your application be sure you have:

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount. The Department's fee schedule can be found at www.wrd.state.or.us or call (503) 986-0900.

WRD on the web:
www.wrd.state.or.us

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S-87452

Oregon Water Resources Department Land Use Information Form

THIS FORM IS NOT REQUIRED IF: 1) water is to be diverted, conveyed, and/or used only on federal lands; or 2) the application is for a water-right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply: a) only the place of use is proposed for change, b) there are no structural changes, c) the use of water is for irrigation, and d) the use is located in an irrigation district or exclusive farm-use zone.

Applicant Name: City of Detroit
Mailing Address: PO Box 589
City: Detroit State: OR Zip: 97342 Day Phone: (503) 854-3496

This application is related to a Measure 37 claim. ☐ Yes ☒ No

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), or used. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g. Rural Residential/RR-5)	Water to be:	Proposed Land Use:
2S	5E	1	NE SE	105e0100400	Forest/Timber	☒ Diverted ☐ Conveyed ☐ Used	
					Conserved	☐ Diverted ☐ Conveyed ☐ Used	
						☐ Diverted ☐ Conveyed ☐ Used	
						☐ Diverted ☐ Conveyed ☐ Used	

List all counties and cities where water is proposed to be diverted, conveyed, or used. Water will be diverted from Oregon Department of Forestry land in Marion County and used by the City of Detroit, Oregon

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- ☒ Permit to Use or Store Water ☐ Water-Right Transfer ☐ Exchange of Water
☐ Allocation of Conserved Water ☐ Limited Water Use License
☐ Permit Amendment or Ground Water Registration Modification

Source of water: ☐ Reservoir/Pond ☐ Ground Water ☒ Surface Water (name) Mackey Creek

Estimated quantity of water needed: 1.0 ☒ cubic feet per second ☐ gallons per minute ☐ acre-feet

Intended use of water: ☐ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for household(s)
☒ Municipal ☐ Quasi-municipal ☐ Instream ☐ Other

Briefly describe: This water will be used to supplement the City's existing certified water right on Mackey Creek of 0.25 cfs, which is insufficient to meet existing water demands. Mackey Creek is the City's preferred water source because it has low turbidity and operational costs compared to its alternative source, which is primarily only used in summer when flows subside in Mackey Creek.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt below and include it with the application filed with the Water Resources Department.

Receipt for Request for Land Use Information

State of Oregon
Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1266

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For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form.

This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

- ☒ Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): _____

ok per Meeting A-1-1-09

- ☐ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.)

If approvals have been obtained but all appeal periods have not ended, check "Being pursued".

Type of Land-Use Approval Needed (e.g. plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

Name: Brendan Reich Title: Assoc Planner
 Signature: [Signature] Phone: 588-1038 Date: 5-1-09
 Government Entity: Marion Co

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

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Receipt for Request for Land Use Information

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Applicant name: _____

**WATER RESOURCES DEPT
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City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____



Oregon Water Resources Department

FORM M

FOR MUNICIPAL AND QUASI MUNICIPAL WATER SUPPLIES

Unless otherwise noted, water use information should be in acre-feet per year (AFY).
1 acre-foot is equal to 325,851 gallons.

Background Information

Name of water supplier: City of Detroit

Name and size of area to be served: City of Detroit - 0.53 square miles
(in square miles)

Present population of service area: 950 (full & part time residents)
(Contact county planning staff, if needed.)

Projected population in 20 years: 1,683 Based on 2008 Draft Water Master Plan
(Cite source and year. For example: "20,595 Based upon 1995 Portland State University projections.")

List present water rights and permits held:

Date of Issuance:	Natural Source of Water:	Amount Permitted:	Utilization:
<u>10/25/1957</u>	<u>Mackey Creek</u>	<u>0.25 cfs</u>	<u>Municipal</u>
<u>3/21/1967</u>	<u>Breitenbush Creek</u>	<u>1.0 cfs</u>	<u>Municipal</u>
_____	_____	_____	_____
_____	_____	_____	_____

Water Use

Average **yearly** demand: 93 AFY Year: 2007

Per-capita daily consumption (in gallons): 87 gpcd
(Divide average annual water sales by population to arrive at consumption, then divide by 365 to get daily values.)

Peak season (by month/day): July to Aug **Total peak season demand:** 32 Acre-feet

Peak season per-capita daily consumption: 177 gpcd
(Divide total peak season demand by population and the number of days during the peak.)

Annual amount of water:

Produced: 30.2 million gallons (WY 2007)
(diverted or pumped)

Delivered: 16.9 million gallons (WY 2007)

Is your system fully metered? ☒ Yes ☐ No

Describe your rate structure: decreasing block rate based on meter size and type of usage
(e.g. flat rate, increasing or decreasing block rate or combination of different systems)

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Request for Water

A. Discuss the reason(s) for your request for additional water

(e.g. loss of current supply, peak demand, growth, or other):

See attached

B. How long is the amount of water requested in this application expected to meet future needs?

(e.g. until the year 2040) 2050

C. Briefly discuss operation of water system and the most constraining component of the system:

See Attached

D. Percentage of water use by type:

Residential: 80%

Commercial: 20%

Public Authority:

Agricultural:

Unaccounted for use:

Industrial:

Other (specify use):

E. List cost to implement proposed request.

Compare cost and benefits with other water supply, or combination of supply options. This should include water efficiency measures such as replacing current showerheads with low-flow types. (Attach documentation, as available.)

See Attached

F. How and by how much will your proposed water use efficiency programs increase efficiency?

(Express as a percentage of per-capita consumption.)

See Attached

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REQUEST FOR WATER SECTION ATTACHMENT**A. Discuss the reason(s) for your request for additional water.**

The City has an existing certified water right on Mackey Creek for 0.25 cfs (certificate No. 33192). Mackey Creek is used as the City's primary source when streamflows permit, usually from late October to early May. During this period, January typically has the highest water demand with an average daily demand of 96,000 gpd (0.15 cfs). The maximum daily demand in January is 186,700 gpd (0.29 cfs), which exceeds the City's certified right on Mackey Creek.

Although the City does have a second water right permit on Breitenbush River, the operational costs associated with this source are significantly higher because the water must be pumped up approximately 320 feet of elevation from the intake to the water treatment plant (WTP). Conversely, water from Mackey Creek flows to the WTP via gravity pipeline. Also, the two pump stations required to deliver water from Breitenbush to the WTP currently do not have emergency backup generators so are unable to operate periodically during winter due to power outages. Furthermore, neither of the stations have backup pumps; a pump failure could shut down the Breitenbush water supply for a minimum of 30 days.

In order to minimize costs, the City has developed a practice of maximizing water diversions from Mackey Creek until low summer stream flows restrict diversions completely. As result of this practice the City has occasionally exceeded the 0.25 cfs limit. The City wishes to obtain an additional water right permit on Mackey Creek in order to comply with State regulation laws without a significantly increasing to operational costs.

C. Briefly discuss the operation of the water system and the most constraining component.

Water diverted from the Mackey Creek intake is transported to the WTP through approximately a half mile of 4-inch PVC gravity fed pipe. The intake system consists of the following: a small dam structure, a screened inlet box, a slotted PVC filter inside the inlet box, and a 500-gallon diversion tank that diverts water from the dam back into the creek or to the 4,000-gallon raw water clearwell at the WTP.

When Breitenbush River is utilized, water is diverted through a fish friendly stainless steel intake screen to a pump station (rated at 190 gpm) that pumps the water up approximately 85 ft. in elevation to the 35,000 gallon tank and pump station know as the "Silver Bullet". From the Silver Bullet Pump Station the raw water is pumped up approximately 235 ft to the raw water clearwell at the WTP.

The Detroit WTP consists of a raw water clearwell, slow sand filters, and control building. The WTP has a design capacity of 250 gpm (0.56 cfs), but has been run at a peak capacity of 320 gpm (0.71 cfs) during periods of high demand. Sodium Hypochlorite (NaOCl) is used for disinfection. Treated water from the WTP is pumped to the City's reservoirs that provide a total of 242,000 gallons of storage. Treated water from the reservoir gravity feeds the City through its distribution system.

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Currently, the City's winter water supply is the most limiting factor in the water system. Mackey Creek has sufficient flows, however, the small water right does not meet the City's water demands needs. Alternatively, Breitenbush River has sufficient water permit, however, the pump stations required to transport the water from the source to the WTP do not have the needed backup pumps and power supply to be a reliable winter source.

E. List cost to implement proposed request

The only know cost associated with this request is the \$1,000 in application fees, which include a \$500 base fee, \$200 for up to 1.0 cfs, and a \$300 permit recording fee. The City is also anticipating that it will be required by the OWRD to complete a Water Management and Conservation Plan (WMCP) as a condition of a new water right permit. The City has estimated \$10,000 for completing the WMCP. The total cost to implement this request would be \$11,000.

For comparison, two alternative means to supplement the Mackey Creek flows were analyzed. These alternatives include increasing usage of Breitenbush source and implementing conservation methods to reduce demands.

For the Breitenbush River to be used to supplement Mackey Creek during winter, improvements would be needed at each of the two pump stations to increase reliability. This would require installing backup pumps and auxiliary power supplies at each pump station. The estimated cost for this would be \$90,000. In addition to these costs, increasing diversion from Breitenbush River would also increase monthly and annual operational costs.

There are a variety of conservation measures utilized by water utilities to improve water efficiency. To date, the City has began to implement some programs, most notable a water metering project that installed water meters at all customer connections. This action resulted in reducing annual water demands by nearly 35%.

Additional measures may be taken to further reduce water demands. The City would need to reduce peak demands by about 15% or by approximately 26,000 gpd. In the City of Ashland, a water conservation program reduced demand by 16% with a cost benefit ratio of \$2 per gallon of water saved per day. Based on this ratio, the City would need to spend approximately \$52,000 to achieve a 15% reduction in water usage.

Based on these estimated costs, obtaining an additional water right on Mackey Creek is by far the most cost effective way for the City to meet the demands of its customers.

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F. How and by how much will your proposed water use efficiency programs increase efficiency.

As previous noted, at this time the City of Detroit has not proposed additional water use efficiency programs beyond the 2006/2007 water meter project. That project was extremely successful and reduced water demand by approximately 45 gpcd. Installing water meters tend to be the most effective way to reduce water demand because it provides an economic incentive for customers to use less water.

With the addition of the customer water meters, the City has began water audits that track water production and water usage to quantify unaccounted water in the system. As the City gains more information, it may begin to locate some of the major sources of unaccounted water and hopefully reduce water loss in the system. The amount of reduction is difficult to estimate, but it is reasonable to assume that this may lead to a 10% reduction in current production, or an estimated 9 gpcd.

The City will likely assess a variety of additional water conservation measures to further develop water use efficiency programs as part of its Water Management and Conservation Plan.

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Ashland, Oregon: Small Town, Big Savings

Background



Ashland, Oregon, is a small city of approximately 20,000 people. The Water Division treats and transports an average of 6.5 million gallons daily in the summer and 2.5 million gallons daily in the winter. Annual usage is approximately 150 gallons per capita per day. Ashland experienced an accelerated population growth rate in the late 1980s. At the same time, it faced the imminent expiration of a critical water right. Initially, the city had two options available to increase water supplies. The first was to create a reservoir by damming Ashland Creek at a cost of approximately \$11 million. The second was to lay 13 miles of pipeline to the Rogue River at a cost of approximately \$7.7 million. The city decided, however, that neither option was fiscally or politically feasible. Furthermore, the proposed dam site disturbed habitat for the endangered spotted owl. Ashland therefore decided to implement a four-point water efficiency program to address its water supply problem.

Approach

Ashland's water conservation program became a natural addition to the city's existing resource conservation strategy, which addresses energy efficiency, regional air quality, recycling, composting, and land use. In 1991, the city council adopted a water efficiency program with four major components: system leak detection and repair, conservation-based water rates, a high-efficiency showerhead replacement program, and toilet retrofits and replacement. The city estimated that these programs would save 500,000 gallons of water per day at a cost of \$825,875—approximately one-twelfth the cost of the proposed dam—and would delay the need for additional water-supply sources until 2021.

Implementation of the program began with a series of customer water audits, which in turn led to high-efficiency showerhead and toilet replacements and a \$75 rebate program (later reduced to \$60). Ashland also instituted an inverted block rate structure to encourage water conservation. Recently, Ashland began offering rebates for efficient clothes washers and dishwashers (including an energy rebate for customers with electric water heaters). The town provides a free review of irrigation and landscaping, as well.

Results

Implementation of Ashland's Water Conservation Program began in July 1992. By 2001, almost 1,900 residences had received a water audit. Almost 85 percent of the audited homes

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participated in the showerhead and/or toilet replacement programs. Ashland has been able to reduce its water demand by 395,000 gallons per day (16 percent of winter use) and its wastewater flow by 159,000 gallons per day. An additional benefit of the program has been an estimated annual savings of 514,000 kilowatt-hours of electricity, primarily due to the use of efficient showerheads.

Summary of Results for Ashland, OR

Water Savings

Water Savings per day (by 2001)	395,000 gal.
Reduction in winter usage	16%
Wastewater reduction per year (by 2001)	58 million gal.

Cost Savings

Estimated cost of proposed reservoir program	\$11,000,000
Estimated cost of proposed pipeline program	\$7,700,000
Cost of water conservation program	\$825,875
Total estimated avoided costs	\$6,874,125 – \$10,174,125

Resources

"A Negadam Runs Through It," *Rocky Mountain Institute Newsletter*. Vol. XI, No. 1 (Spring 1995), p. 8.

"The City of Ashland Municipal Utility Comprehensive Conservation Programs," The Results Center. Profile #115 <www.crest.org>.

The City of Ashland, Oregon, Conservation Department,
<www.ashland.or.us/SectionIndex.asp?SectionID=432>.

Contact

Dick Wanderscheid
Ashland Conservation Division
Phone: 541 552-2061
Fax: 541 552-2062
E-mail: dick@ashland.or.us

Attachment A

City of Detroit's Easement

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WATER RESOURCES DEPT
SALEM, OREGON

311.24079

City Record Book
Document #2

EASEMENT

REEL
638PAGE
477

In consideration of One Dollar (\$1.00), the STATE OF OREGON, acting by and through its Board of Forestry, (GRANTOR), grants and conveys to the CITY OF DETROIT, a municipal corporation, (GRANTEE), a non-exclusive easement over, upon and across:

The Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ SE $\frac{1}{4}$) of Section 1, Township 10 South, Range 5 East, Willamette Meridian, Marion County, Oregon, said easement being for a right of way being 30 feet in width, 15 feet either side of the centerline, said centerline being more particularly described on Exhibit "A" which is attached hereto and incorporated herein.

To have and to hold said easement FOREVER, subject to the following terms:

1. The rights herein granted are for the purposes of maintaining, and using a roadway by GRANTEE and by GRANTEE'S licensees and permittees, for access to the Mackey Creek dam.
2. GRANTOR reserves the exclusive right to grant further easements across the above described land.
3. GRANTEE shall save and hold harmless the GRANTOR from any and all liability claims of any kind whatsoever associated with this easement.
4. GRANTEE shall observe and comply with all federal, state, and local laws and regulations which in any manner affect the activities of GRANTEE under this easement.
5. This easement may be terminated by GRANTOR and all rights herein granted cease immediately in the event:
 - a. If for a period of 10 years GRANTEE shall fail to use or otherwise abandon said easement; or
 - b. If GRANTEE shall fail, neglect, or refuse to keep, observe, or perform any of the conditions or agreements herein contained, for a period of 30 days after having been given written notice to comply therewith; or

Upon GRANTOR'S written notice of termination, GRANTEE shall execute a recordable document evidencing termination of easement.

-1-

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SALEM, OREGON

311.24079

Easement to City of Detroit

6. GRANTEE, when using the roadway on said easement and right of way, shall maintain the said roadway in a condition as good as existed prior to the commencement of such use, provided that when GRANTEE and other authorized parties jointly use said roadway, then each party shall be responsible for a proportionate part of the entire maintenance which said part shall be based upon the ratio of part use to total use.
7. Should GRANTEE fail to perform the road maintenance required by this agreement, GRANTOR shall have the right to perform or cause to have performed said maintenance and recover all associated costs from GRANTEE. GRANTEE shall reimburse GRANTOR within 30 days from date billed.
8. All agreements and conditions of this easement are alike binding upon the GRANTEE and any other future holders of this agreement.

Executed this 5th day of August, 1988.

GRANTOR

STATE OF OREGON, acting by and
through its Board of Forestry

J. Michael Beyerle
J. Michael Beyerle
Assistant State Forester

GRANTEE:

CITY OF DETROIT

San Park

Mocker Creek Area

From town lot 2.3

Block 5

10 S SE 1/4

T11N-800

TO

Rose M. Creek Dam

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SALEM, OREGON

311.24079

Easement to City of Detroit

ACKNOWLEDGMENT

STATE OF OREGON)
) ss.
County of Marion)

The foregoing instrument was acknowledged before me this 5th
day of August, 19 88, by J. Michael Beyerle, as
the authorized representative of the State of Oregon.



Patricia S. Cate
Notary Public for Oregon

My Commission expires: 6/23/92

After recording return to:

City of Detroit
c/o JMS Engineering
1810 Lana Avenue NE, Suite No. 1
Salem, OR 97303

6552F

-3-

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SALEM, OREGON

311.24079

Easement to City of Detroit

EXHIBIT "A"

Beginning at a point that is S 89° 20'00" W 44.06 feet from said SE 1/16 corner on the East-West 1/16 line; thence N 32° 54'21" W 68.08 feet; thence through a 66.82 foot radius curve to the right, the long chord of which bears N 6° 43'23" E 85.24 feet; thence N 46° 21'08" E 93.88 feet; thence through a 193.83 foot curve to the left, the long chord of which bears N 29° 54'30" E 109.74 feet; thence N 13° 27'51" E 63.86 feet; thence through a 391.31 foot radius (delta 16° 35'14") curve to the right, the long chord of which bears N 21° 45'28" E 112.89 feet; thence through a 299.36 foot radius (delta 22° 18'36") curve to the left, the long chord of which bears N 22° 54'26" E 115.84 feet; thence through a 426.50 foot radius (delta 16° 36'02") curve to the right, the long chord of which bears N 20° 53'13" E 123.14 feet; thence N 29° 11'15" E 42.32 feet; thence through a 512.79 foot radius curve to the left, the long chord of which bears N 21° 09'49" E 143.14 feet; thence N 13° 08'23" E 32.00 feet; thence through a 114.51 foot radius curve to the right, the long chord of which bears N 39° 58'55" E 103.41 feet; thence N 66° 49'26" E 41.72 feet; thence through a 168.65 foot radius curve to the right, the long chord of which bears N 80° 16'25" E 78.45 feet; thence S 86° 16'36" E 85.05 feet; thence through a 189.34 foot radius curve to the left, the long chord of which bears N 81° 28'38" E 80.31 feet; thence N 71° 03'46" E 237.58 feet; thence through a 326.83 foot radius curve to the left, the long chord of which bears N 66° 29'56" E 71.35 feet; thence N 60° 13'57" E 101.70 feet; thence through a 32.82 foot radius curve to the right, the long chord of which bears S 61° 24'50" E 55.88 feet; thence S 3° 03'37" E 49.18 feet; thence S 77° 00'26" E 52.24 feet; thence S 83° 07'26" E 80.21 feet to said dam.

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WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON

County of Marion

I hereby certify
that the within was
received and duly
recorded by me in
Marion County
records: 00

Fee \$ 26Hand Returned ☐REEL
638PAGE
477

AUG 19 12 42 PM '08

ALAN H. DAVIDSON
MARION COUNTY CLERKBY 8 DEPUTY

Dave Panther
LAND SURVEYOR
2916 Orchard Hts. Road NW
Salem, Oregon 97304
Salem: 363-9107
Stayton: 769-5093

Description for the City of Detroit of the extension
of Webber St. to water reservoir.

A 30 foot wide permanent easement for ingress, egress,
and utility purposes across National Forest Land in Section 1,
Township 10 South, Range 5 East, W.M., more particularly
described as follows;

Beginning at a point on the East line of Mackey Creek
Addition that is $S0^{\circ}18'W$ 55.10 feet from the S.E. 1/16 of
Section 1, Township 10 South, Range 5 East, W.M. City of
Detroit, Marion County, Oregon, said point also being on
the centerline of Webber St.; thence $S43^{\circ}28'00"E$ 126.82 feet;
thence through a curve to the right, the long chord of which
bears $S25^{\circ}08'51"W$, 108.29 feet ($\Delta = 137^{\circ}13'42"$, radius =
58.15 feet); thence $N86^{\circ}14'18"W$ 42.30 feet to a point on the
East line of said Mackey Creek Addition, which point is also
on the centerline of said Webber St.

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WATER RESOURCES DEPT
SALEM, OREGON

S-87452
REFERENCE

Attachment B

City of Detroit's Existing Water Rights

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WATER RESOURCES DEPT
SALEM, OREGON

*APPLICATION FOR PERMIT

To Appropriate the Public Waters of the State of Oregon

I, City of Detroit, Oregon (Name of applicant)
 of City Hall, Detroit, Oregon (Mailing address)
 State of Oregon, do hereby make application for a permit to appropriate the
 following described public waters of the State of Oregon, **SUBJECT TO EXISTING RIGHTS:**

If the applicant is a corporation, give date and place of incorporation

1. The source of the proposed appropriation is Breitenbush River (Name of stream)
 a tributary of North Santiam River

2. The amount of water which the applicant intends to apply to beneficial use is 1.0
 cubic feet per second. (If water is to be used from more than one source, give quantity from each)

**3. The use to which the water is to be applied is Municipal Water System
 (Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located North 49°36' East ft. 6904' and ft. 6904' from the North 1/16
 (N. or S.) (E. or W.) (S. or N.)
 corner XX between Sections 1 and 2, T. 10 S., R. 5 E. of the Willamette Meridian
 (Section or subdivision)

(If preferable, give distance and bearing to section corner)

(If there is more than one point of diversion, each must be described. Use separate sheet if necessary)
 being within the S.E. 1/4 of the N.E. 1/4 of Sec. 36, Tp. 9 S.
 (Give smallest legal subdivision) (N. or S.)

R. 5 E., W. M., in the county of Marion
 (E. or W.)

5. The Supply line (Main ditch, canal or pipe line) to be 8770 (Miles or feet)
 in length, terminating in the S.W. 1/4 of the N.W. 1/4 of Sec. 1, Tp. 11 S.
 (Smallest legal subdivision) (N. or S.)

R. 5 E., W. M., the proposed location being shown throughout on the accompanying map.
 (E. or W.)

DESCRIPTION OF WORKS

Diversion Works— Infiltration Gallery

6. (a) Height of dam _____ feet, length on top _____ feet, length at bottom
 _____ feet; material to be used and character of construction _____
 (Loose rock, concrete, masonry,
 rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate _____
 (Timber, concrete, etc., number and size of openings)

(c) If water is to be pumped give general description 7 1/2 HP. Centrifugal
 (Size and type of pump)

3 Phase, 580 Volt, 60 Cycle, 3500 R.P.M. Cornell Model No. 1 1/2" W
 (Size and type of engine or motor to be used, total head water is to be lifted, etc.)

126 feet total dynamic head

*A different form of application is provided where storage works are contemplated.

**Application for permits to appropriate water for the generation of electricity, with the exception of municipalities, must be made to the hydroelectric Commission. Either of the above forms may be secured, without cost, together with instructions by addressing the State Engineer, Salem, Oregon.

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WATER RESOURCES DEPT
SALEM, OREGON

Canal System or Pipe Line—

7. (a) Give dimensions at each point of canal where materially changed in size, stating miles from headgate. At headgate: width on top (at water line) feet; width on bottom feet; depth of water feet; grade feet fall per one thousand feet.

(b) At miles from headgate: width on top (at water line) feet; width on bottom feet; depth of water feet; grade feet fall per one thousand feet.

(c) Length of pipe, ft.; size at intake, in.; size at ft. from intake in.; size at place of use in.; difference in elevation between intake and place of use, ft. Is grade uniform? Estimated capacity, sec. ft.

8. Location of area to be irrigated, or place of use City of Detroit

Township North or South	Range E. or W. of Williams Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated
10 S	5 E.	2	NE $\frac{1}{4}$ of NE $\frac{1}{4}$	All
10 S	5 E.	2	SE $\frac{1}{4}$ of NE $\frac{1}{4}$	All
"	"	"	NE $\frac{1}{4}$ of SE $\frac{1}{4}$	20
"	"	"	NW $\frac{1}{4}$ of SE $\frac{1}{4}$	2
"	"	1	W $\frac{1}{2}$ of NW $\frac{1}{4}$	All
"	"	1	NW $\frac{1}{4}$ of SW $\frac{1}{4}$	All
"	"	"	SW $\frac{1}{4}$ of SW $\frac{1}{4}$	8
"	"	"	SE $\frac{1}{4}$ of SW $\frac{1}{4}$	All
"	"	"	SW $\frac{1}{4}$ of SE $\frac{1}{4}$	All

(If more space required, attach separate sheet)

(a) Character of soil

(b) Kind of crops raised

Power or Mining Purposes—

9. (a) Total amount of power to be developed theoretical horsepower.

(b) Quantity of water to be used for power sec. ft.

(c) Total fall to be utilized feet.
(Head)

(d) The nature of the works by means of which the power is to be developed

(e) Such works to be located in of Sec.

(Legal subdivision)

Tp., R., W. M.
(No. N. or S.) (No. E. or W.)

(f) Is water to be returned to any stream?
(Yes or No)

(g) If so, name stream and locate point of return

....., Sec., Tp., R., W. M.
(No. N. or S.) (No. E. or W.)

(h) The use to which power is to be applied is

(i) The nature of the mines to be served

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WATER RESOURCES DEPT
SALEM, OREGON

10. (a) To supply the city of Detroit, OregonMarion County, having a present population of 250

(Name of)

and an estimated population of 500 in 19 80

(b) If for domestic use state number of families to be supplied

(Answer questions 11, 12, 13, and 14 in all cases)

11. Estimated cost of proposed works, \$ 85,000.0012. Construction work will begin on or before October, 196713. Construction work will be completed on or before October, 196814. The water will be completely applied to the proposed use on or before October, 1969

William J. Latham
of Eastern Oregon
 (Signature of applicant)

Remarks: The City of Detroit has a population in the summer months of 3 to
4 times it's normal population. The amount of water in this filing is being
made with this high demand rate in consideration.

STATE OF OREGON, }
 County of Marion, } ss.

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before _____, 19____

WITNESS my hand this _____ day of _____, 19____

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WATER RESOURCES DEPT
 SALEM, OREGON

STATE ENGINEER

By

ASSISTANT

PERMIT

STATE OF OREGON, } ss.
County of Marion,

This is to certify that I have examined the foregoing application and do hereby grant the same, SUBJECT TO EXISTING RIGHTS and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed 1.0 cubic feet per second measured at the point of diversion from the stream, or its equivalent in case of rotation with other water users, from Breitenbush River

The use to which this water is to be applied is municipal

If for irrigation, this appropriation shall be limited to _____ of one cubic foot per second or its equivalent for each acre irrigated

and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The priority date of this permit is March 21, 1967

Actual construction work shall begin on or before November 21, 1968 and shall

thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1969..

Extended to Oct. 1985 Extended to October 1, 1990, 10-1-95 Extended to Oct. 1, 1975, 10-1-95, B. & T. to 10-1-2000

Complete application of the water to the proposed use shall be made on or before October 1, 1970..

Extended to Oct. 1985 Extended to October 1, 1990, 10-1-95 Extended to Oct. 1, 1975, 10-1-95, C. & T. to 10-1-2000

WITNESS my hand this 21st day of November, 1967.

Chris L. Heller

STATE ENGINEER

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WATER RESOURCES DEPT
SALEM, OREGON

State Printing 80137

Application No. 43399

Permit No. 32449

PERMIT

TO APPROPRIATE THE PUBLIC
WATERS OF THE STATE
OF OREGON

This instrument was first received in the
office of the State Engineer at Salem, Oregon,
on the 21st day of March,
1967, at 3:05 o'clock P. M.

Returned to applicant:

Approved:

November 21, 1967

Recorded in book No. _____ of _____

Permits on page 32449

CHRIS L. HELLER

STATE ENGINEER

Drainage Basin No. 2 page 506
Fees 25.00

STATE OF OREGON
COUNTY OF MARION
CERTIFICATE OF WATER RIGHT

This Is to Certify, That CITY OF DETROIT

of Detroit, State of Oregon, has made proof to the satisfaction of the STATE ENGINEER of Oregon, of a right to the use of the waters of Mackie Creek

a tributary of North Santiam River
 municipal

for the purpose of

under Permit No. 25221, of the State Engineer, and that said right to the use of said waters has been perfected in accordance with the laws of Oregon; that the priority of the right hereby confirmed dates from October 25, 1957

that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed 0.25 cubic foot per second

or its equivalent in case of rotation, measured at the point of diversion from the stream. The point of diversion is located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 1, T. 10 S., R. 5 E., W. M.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to - - - - - of one cubic foot per second per acre,

and shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use under the right hereby confirmed, and to which such right is appurtenant, is as follows:

SW $\frac{1}{4}$ NW $\frac{1}{4}$
 NW $\frac{1}{4}$ SW $\frac{1}{4}$
 S $\frac{1}{2}$ SW $\frac{1}{4}$
 SW $\frac{1}{4}$ SE $\frac{1}{4}$
 SE $\frac{1}{4}$ SE $\frac{1}{4}$
 Section 1
 SE $\frac{1}{4}$ NE $\frac{1}{4}$
 NE $\frac{1}{4}$ SE $\frac{1}{4}$
 Section 2
 NW $\frac{1}{4}$ NE $\frac{1}{4}$
 Section 12
 T. 10 S., R. 5 E., W. M.

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WATER RESOURCES DEPT
 SALEM, OREGON

The right to the use of the water for the purposes aforesaid is restricted to the lands or place of use herein described.

WITNESS the signature of the State Engineer, affixed

this date. July 18, 1966

CHRIS L. WHEELER

State Engineer

Attachment C

Property Legal Description

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WATER RESOURCES DEPT
SALEM, OREGON



Willamette Valley Offices

Albany

1393 Clay St. SE
Albany, OR 97321
541-928-3368

Corvallis

525 NW Second St. Ste. 2
Corvallis, OR 97330
541-752-3415

Lebanon

1475 S. Main St..
Lebanon, OR 97355
541-259-3736

Dundee

1326 N Hwy 99W, Ste. 101
Dundee, OR 97115
503-554-8500

Salem-Downtown

320 Church St. NE
Salem, OR 97301
503-581-1431

Salem-Mission Oaks

1255 Lee St. SE, Ste. 110
Salem, OR 97302
503-585-8117

Customer Service Report

Date: March 3, 2009

Prepared For: Cindy Baxter

Company: HBH Consulting Engineering

Property Address(s)

105E0100400 – R42184 Marion County

Message or Remarks:

Trio☺

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WATER RESOURCES DEPT
SALEM, OREGON

Thank You for the opportunity to assist you!

*The Information provided is Deemed Reliable, but is Not Guaranteed.

NOTICE: This message is intended for the use of the addressee and may contain information that is privileged and confidential. If you receive this communication in error, please notify our customer service department immediately by telephone. Thank you! 503.581.1431

Customer Service

503.581.1431 • Fax: 503.316.0406

salemcs@ameri-title.com • www.ameri-title.com

= M E T R O S C A N P R O P E R T Y P R O F I L E =
Marion (OR)

OWNERSHIP INFORMATION

Parcel Number :R42184
Ref Parcel Nbr :105E01 00400
Old Parcel Number :66932 000
Owner :State Of Oregon
CoOwner :
Site Address :*no Site Address*
Mail Address :1225 Ferry St SE Salem Or 97301
Owner Phone :

SALES AND LOAN INFORMATION

Transferred :	Loan Amount :
Document # :377-0063	Lender :
Sale Price :	Loan Type :
Deed Type :Misc	Interest Rate :
% Owned :	Vesting Type :

ASSESSMENT AND TAX INFORMATION

Mkt Land :\$24,000	Levy Code :129000000
MktStructure :	Millage Rate :9.0588
Mkt Total :\$24,000	08-09 Taxes :
Exempt :Other	M50 Assd Total :
% Improved :	

PROPERTY DESCRIPTION

Census :Tract: Block:
Land Use :F40 Exempt, State, Farm
Neighborhood :72E
Subdivision :
Legal :
Zoning :TC TIMBER CONSERVATION
Map Grid :
R:05E T:10S S:01 Q: QQ:

Profile-Page 1 of 2

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SALEM, OREGON

= M E T R O S C A N P R O P E R T Y P R O F I L E =
Marion (OR)

Parcel # :R42184

PROPERTY CHARACTERISTICS

Resdnce Count :	YearBuilt :	Lot Acres :40.00
Bedrooms :	YrRemodel :	Lot SqFt :
Bathrooms :	TotalFinSF :	<u>Basement</u>
Fixtures :	MainFlrSF :	Ceiling :
Living Room :	2nd Floor SF :	Floor :
Dining Room :	2ndFlrFinSF :	Wall :
Family Room :	2ndFlrUnfSF :	<u>Main Floor</u>
Kitchen :	2nd FlrLCSF :	Ceiling :
Foundation :	BsmtTotSF :	Constr :
Deck :	BsmFinSF :	Trim :
Deck SF :	BsmUnfnSF :	<u>Upper Level</u>
Patio :	BsmLCSF :	Ceiling :
Patio SF :	Attic Tot SF :	Floor :
Porch :	AtticFinSF :	Wall :
Porch SF :	AtticUnfSF :	<u>Attic</u>
Pool/Spa :	AtticLCSF :	Ceiling :
Wall Cover :	Ext Cover :	Floor :
Garage :	Ext Const :	Wall :
Det Garage SF :	IntrCover :	<u>Mobile Home</u>
DetGrg2ndFlrSF :	IntrConst :	Brand :
DetGrgAtticSF :	Roof Type :	Xdims :
Att Garage SF :	Roof Matl :	Skirt :
Bsm Garage SF :	DriveMatl :	ExtWall :
Carport SF :	Drive SF :	WallCvr :
StatClass :	Fireplace :	Overhang :
Heat/Cool :	Fireplace# :	Gutter :
Bldg Use :	Stories :	

Other Improvements

Size

- 1.
- 2.
- 3.
- 4.

Profile-Page 2 of 2

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WATER RESOURCES DEPT
SALEM, OREGON



Property
Information

Tax
Summary

Assessment
History

Improvement
Information

New
Search

Search
Results

Log
Off

Printable
Summary

Search Results for R42184

Owner Name

STATE OF OREGON

Owner Address

1225 FERRY ST SE
SALEM, OR 97301

Alternate Account Number

1-66932000

Map Tax Lot

105E01 00400

Property ID Number

R42184

Situs Address

Neighborhood

DETR - RESIDENTIAL, DETROIT

Levy Code Area

(12900000) 50 ; 240 ; 443 ; 462 ; 500 ; 701

Last Certified Year (2008) Information for R42184

RMV Land Non-LSU	\$24,000
RMV Land LSU	\$0
RMV Improvements	\$0
RMV Total	\$24,000
Land LSU	\$0
Total Exemptions	\$24,000
M5 Net Value	\$0
M50 Assd Value	\$0

Important Information About R42184

If applicable, the described property is receiving special valuation based upon its use. Additional rollback taxes which may become due based on the provisions of the special valuation are not indicated in this listing.

Total Tax Payoff Amount Worksheet

Interest Date

03/03/2009

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WATER RESOURCES DEPT
SALEM, OREGON

Tax Summary

Current Property Tax

Property Tax History Summary

Current Year Tax Owed

Total Tax Payoff Amount

\$0.00

\$0.00

Tax Summary

Year	Total Levied	Ad Valorem	Special Assessments	Principal	Interest Due	Date Paid	Total Owed
2008	0.00	0.00	0.00	0.00	0.00	-	0.00
2007	0.00	0.00	0.00	0.00	0.00	-	0.00
2006	0.00	0.00	0.00	0.00	0.00	-	0.00
2005	0.00	0.00	0.00	0.00	0.00	-	0.00
2004	0.00	0.00	0.00	0.00	0.00	-	0.00

2003	0.00	0.00	0.00	0.00	0.00	-	0.00
2002	0.00	0.00	0.00	0.00	0.00	-	0.00
2001	0.00	0.00	0.00	0.00	0.00	-	0.00
2000	0.00	0.00	0.00	0.00	0.00	-	0.00
1999	0.00	0.00	0.00	0.00	0.00	-	0.00
1998	0.00	0.00	0.00	0.00	0.00	-	0.00
1997	0.00	-	-	0.00	0.00	-	0.00

INFORMATION SUBJECT TO DISCLAIMERS

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please send e-mail to the Assessor@co.marion.or.us.

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WATER RESOURCES DEPT
SALEM, OREGON

ORDER AUTHORIZING THIS DEED RECORDED IN COUNTY
COURT JOURNAL PROCEEDINGS, VOL. 37, page 214.

KNOW ALL MEN BY THESE PRESENTS, that MARION COUNTY, a public corporation of the State of Oregon, in consideration of the percentages of the revenue to be derived from, and pursuant to, the provisions of Chapter 154, Oregon Laws, 1945, as amended, has bargained and sold and by these presents does grant, bargain, sell and convey unto the State of Oregon, through and for the use and administration of its Board of Forestry, its successors and assigns, the following described real property, situated in Marion County, Oregon, to-wit:

SE¹NE¹4, NE¹SE¹4 of Section 1;
SE¹NE¹4, NE¹SE¹4 of Section 4;
All in Township 10 South, Range 5 East,
Willamette Meridian.

Together with all and singular the tenements, hereditaments and appurtenances thereunto belonging, or in anywise appertaining, and also its estate, right, title and interest in and to the same.

TO HAVE AND TO HOLD the above described premises unto the Board of Forestry of the State of Oregon, its successors and assigns, forever.

IN WITNESS WHEREOF, Marion County, a public corporation of the State of Oregon, acting in this behalf by Grant Murphy, County Judge, and Roy J. Rice and E. L. Rogers, the two Commissioners of said County, respectively, hereunto duly authorized by virtue of an order of the County Court of said County, and in accordance with the general laws of said State, has caused this instrument to be duly executed, attested by its County Clerk and its seal affixed this 25 day of September, 1947.

MARION COUNTY, OREGON

RECEIVED

MAY 05 1949

WATER RESOURCES DEPT
SALEM, OREGON

By Grant Murphy
Judge

ATTEST:

By Roy J. Rice
Commissioner

W. H. Jones
County Clerk

By E. L. Rogers
Commissioner

STATE OF OREGON }
County of Marion }

On this 25 day of September, 1947, before me the undersigned, appeared Erant Murphy, County Judge, and Roy J. Rice and E. L. Rogers, County Commissioners, respectively, to me personally known, who being duly sworn, did say that he, the said Erant Murphy, is the duly elected, qualified and acting County Judge of said Marion County, Oregon, and that they, the said Roy J. Rice and E. L. Rogers, are the duly elected, qualified and acting County Commissioners, respectively, of said County and State; and said County Judge and said two Commissioners acknowledge said instrument to be the free act and deed of said County.

In Testimony Whereof, I have hereunto set my hand and seal the day and year first in this, my certificate, written.

[Signature]
Notary Public for Oregon
County Clerk of Marion
My Commission expires *County, Oregon*

RECEIVED

MAY 05 2009

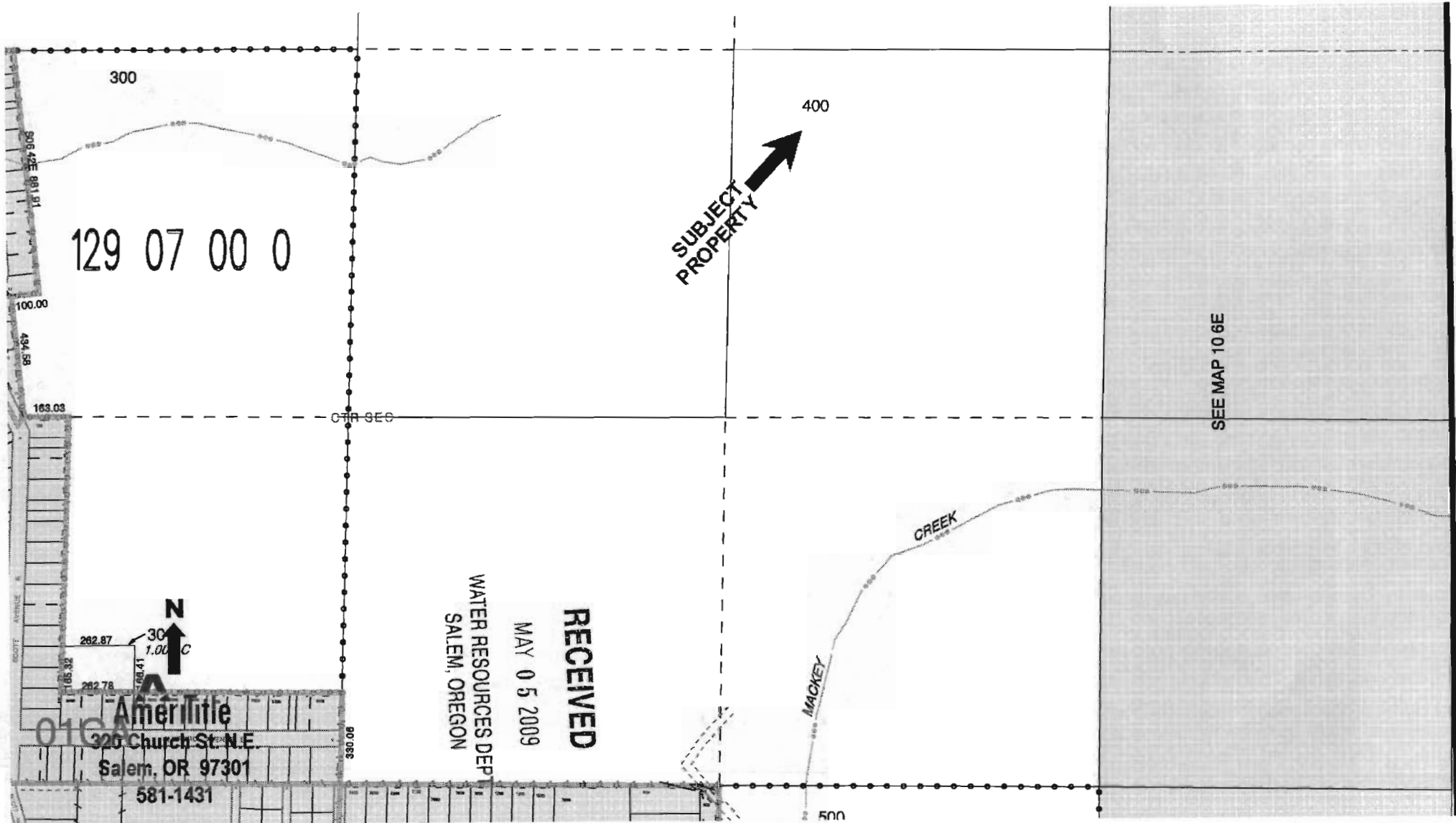
WATER RESOURCES DEPT
SALEM, OREGON

336214

14695

STATE OF OREGON, ss.
County of Marion.
I Certify that the within was received and duly recorded by me in MARION COUNTY RECORDS Book of Deeds Vol. 377 Page 63 on the day of OCT - 3 1946 at 1:25 o'clock PM
[Signature] Recorder
Deputy

[Signature]
State Board of Forestry
att. Sam Miller
Salem, Ore.



THIS MAP IS PROVIDED SOLELY FOR THE PURPOSE OF ASSISTING IN THE LOCATION OF THE PROPERTY. THE COMPANY ASSUMES NO LIABILITY FOR VARIATIONS, IF ANY, IN DIMENSIONS OR LOCATIONS ASCERTAINED BY AN ACTUAL SURVEY.

10 5E 01

SEC.01 T10S R5E WM, MARION COUNTY

10 5E 01

SEE MAP 09 5E

35 36

2 1

SEE MAP 10 5E 02

BRIDGEMAN

GOVT LOT 4

GOVT LOT 3

GOVT LOT 2

GOVT LOT 1

129 00 00 0

200

100

36 31

1 6

SEE MAP 10 5E 02

129 07 00 0

400

SUBJECT PROPERTY

SEE MAP 10 5E 02DA

SEE MAP 10 5E 02DA

SEE MAP 10 5E 02

02AD

01BC

01CB

01CA

01CC

01CD

01DC

DETROIT

RESERVOIR

SEE MAP 10 5E 12A

SEE MAP 10 5E 12A

SEE MAP 10 5E 12A

11 12

24

11 12

AMERITITLE

320 Church St. N.E.

Salem, OR 97301

581-1431

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RECEIVED

MAY 05 2009

WATER RESOURCES DEPT

SALEM, OREGON

10 5E 01