

SULTAN CITY COUNCIL

AGENDA ITEM COVER SHEET

ITEM NO: Presentation - 2
DATE: February 11, 2010
SUBJECT: City of Sultan Watershed Management Update
CONTACT PERSON: Connie Dunn, Public Works Director 
PRESENTER: Jim Frost, Lusignan Forestry

ISSUE:

Tonight is a presentation from Jim Frost, Forester regarding a timber sale in the city's watershed. Mr. Frost has submitted a letter and map for your information, (Attachment A).

The issue before the Council is to give staff direction on your recommended alternative:

1. move forward with a timber sale starting the permit process through Department of Natural Resources completing the sale in 2010 and 2011, or
2. not conduct a timber sale in 2010 and 2011, waiting until 2011 and 2012 to start the process of a timber sale, including the permitting.

SUMMARY:

The water department is an enterprise fund. The revenues received from timber sale proceeds are required to be credited to the water capital fund. The water department owns the watershed and the 40 acres around the water treatment plant therefore, timber sales are to benefit water projects.

The current timber in Sultans watershed is in overall good health with the exception of a couple of ongoing root-rot pockets that Lusignan Forestry has helped the city manage as needed throughout the years. Current market conditions now allow the City Forester, to recommend a harvest in type 2 and 3.1 by conducting a pay-as-you-cut thinning over a two year period to remove dead, dying, diseased and blow down trees, (see attached map in Attachment A), including a slash cutting of red alder in type 5 and 6. These operations should take place during dry seasons of 2010 and 2011, with appropriate permits being applied for and secured beginning immediately.

The money from timber sale is dedicated to the water reserve fund for capital projects. Funds could be used for waterline replacement, capital budget - 2nd Street or 6th Street, 311th/Gohr Road or could be used in part to help with debt service.

BACKGROUND:**WATER SYSTEM**

The Water System has owned Lake 16 and the surrounding Watershed (363 acres) since 1905. The city applied for water rights to this spring fed lake and was granted those rights in 1975 (Attachment B). The city can prove water use since 1911. The city owns the water rights. In 1949, a concrete dam was built to replace the beaver dams to make the water impound stable and supply a consistent water supply to the city. Until 1979, city drinking water was provided to citizens via a pipeline with chlorine disinfection. The 1963, Water System Plan recommended building a water treatment facility with storage for treated water. In 1979, the city contracted to have a water treatment plant constructed including a one million gallon treated water reservoir at 21030 124th Street SE. In 1998, the city added a 1.5 million gallon (mg) reservoir on the Water Treatment Plant site and constructed improvements to the water treatment plant. Current capacity of the Water Treatment Plant is 1.2 mg per day with storage capacity of 2.5 mg per day of treated water. In 2000, the City of Sultan, City of Everett and Snohomish County PUD completed an agreement to construct and supply water to Sultan. Snohomish County PUD and the City of Sultan completed construction of a water supply project in 2003 to supplement Sultan's water supply (Attachment C).

WATERSHED

In 1979 Lusignan Forestry was managing timber sales on an annual basis in 1994 the city negotiated a contract with Guy Lusignan, then owner of Lusignan Forestry, Inc. to manage the City of Sultan Water Department owned forest land. Before 1994 the city harvested timber from the watershed on an 'as needed basis'. Attachment D is a spreadsheet outlining net revenue gains from timber sales to the city of Sultan.

In 1994 Lusignan Forestry notified the city that the springs that actually fed Lake 16, Sultans water supply was located on neighboring property. On November 29, 1995 the city completed negotiations, gaining a quit claim deed in the land trade with Lake Bronson and Associates to own the land on which the springs that feed Lake 16 are located the true beginning of the city's water supply (Attachment E).

RECOMMENDATION:

Authorize staff to pursue the opportunity presented tonight for a 2010 -2011 timber sale. At the appropriate council meeting, place on the agenda a Forest Practice Application to Department of Natural Resources for the Mayor's signature.

ATTACHMENTS:

- A Letter from Lusignan Forestry Inc., with a Map of Sultan Watershed, including a vicinity map
- B Sultan Water Right Claim
- C Everett/Sultan Water Supply Project (2003)
- D Timber Sale and Thinning Net Revenue Spreadsheet
- E Map of land trade between Sultan and Lake Bronson Associates



Lusignan Forestry Inc

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PHONE 360-426-1140

FAX 360-426-2741

TIMBER SALES AND HARVESTING
TIMBER INVENTORIES
TIMBER MANAGEMENT PLANS
TIMBER APPRAISALS

February 2, 2010

City of Sultan Board of Directors
c/o Department of Public Works
Attn: Connie Dunn
P O Box 1199
Sultan, WA 98294

RE: TREE FARM INSPECTION AND RECOMMENDATIONS

Dear Ms. Dunn and City of Sultan Board of Directors:

Hope all is well. As many of you know, we have been managing the City of Sultan forestlands since 1972. It may be helpful to see the income that the tree farm has produced over the years. I have included a table outlining the income from various management activities from the last 15 years of management.

On September 23, 2009, we inspected the City of Sultan's tree farm for forest health and management recommendations as per the Management Plan.

I am glad to report that the tree farm is in overall good health with the exception of a couple of ongoing root-rot pockets that we have managed as needed throughout the years.

Current market conditions now allow me to recommend a harvest. Following are my recommendations for 2010 and 2011:

- Within Types 2 and 3.1 (see attached Timber Type Map) conduct a pay-as-you-cut thinning over a two year period to remove dead, dying, diseased and blow-down trees.
- Within these types (Types 2 and 3.1) is an area of root-rot. I recommend removing all trees that show signs of root rot in addition to removing a tree length area surrounding the infected trees. Thereafter, following planting season, replant this area with species less susceptible to root rot such as genetically improved Douglas-fir, Western Red Cedar and/or pine.
 - I recommend using a portion of the income from the sale to slash Red Alder in Types 5 and 9 and provide brush control on approximately 3,000 feet of road.

*City of Sultan Board of Directors
Tree Farm Inspection and Recommendations
Page 2*

These operations should take place in during dry seasons of 2010 and 2011, however, in the mean time, appropriate permits should be applied for and secured, which can begin immediately upon board approval of these recommendations.

Sincerely,

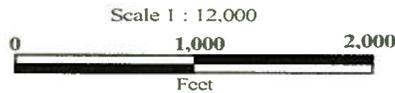
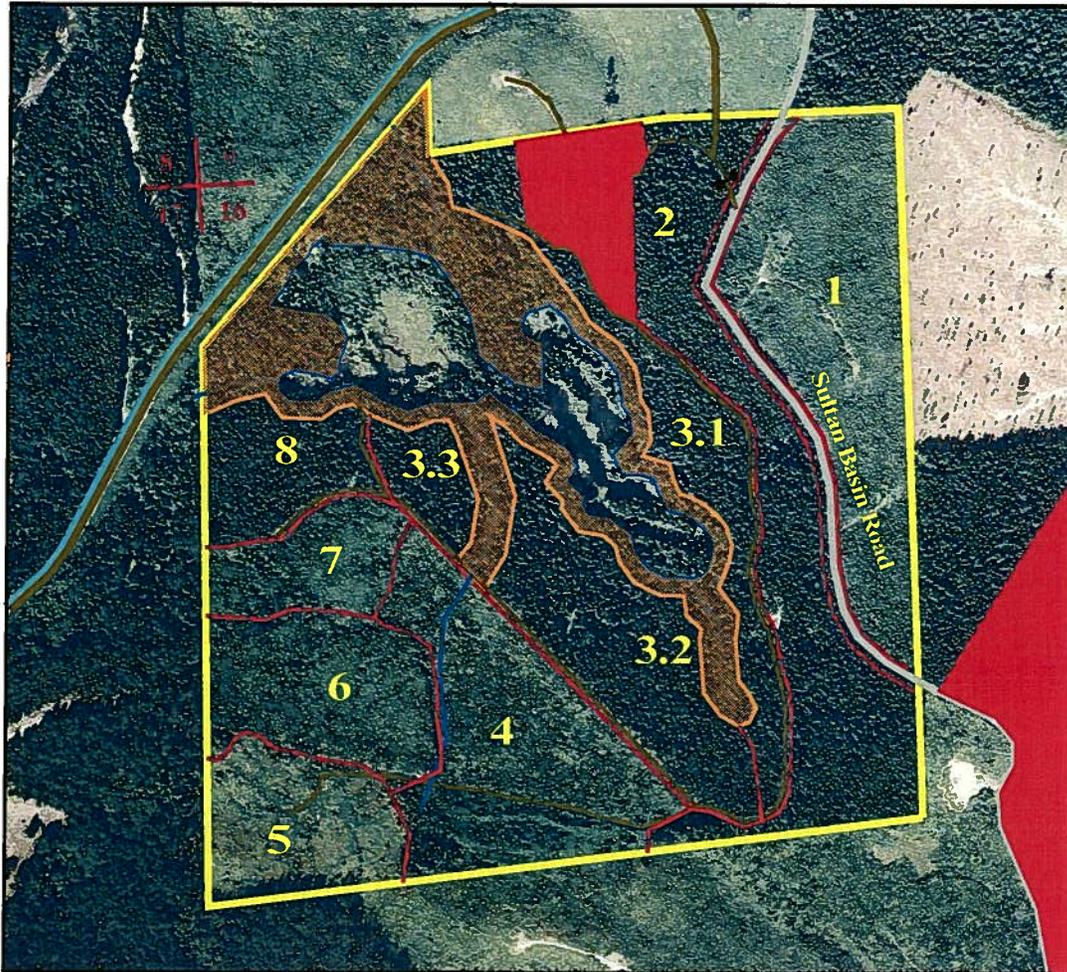


Jim Frost, ACF
President / Consulting Forester

enc.

**Timber Type Map
City of Sultan
Watershed Parcel**

**NW 1/4 Lying South and East of Water Line Right-of-Way,
N 1/2 of SW 1/4, W 1/2 of NE 1/4, NW 1/4 of SE 1/4,
Section 16; S 1/2 of SW 1/4 Lying South and East of Water Line Right-of-Way,
Section 8, Township 28 North, Range 8 East, W.M.,
Snohomish County, Washington
Containing Approximately 355+/- Total Acres**



Legend

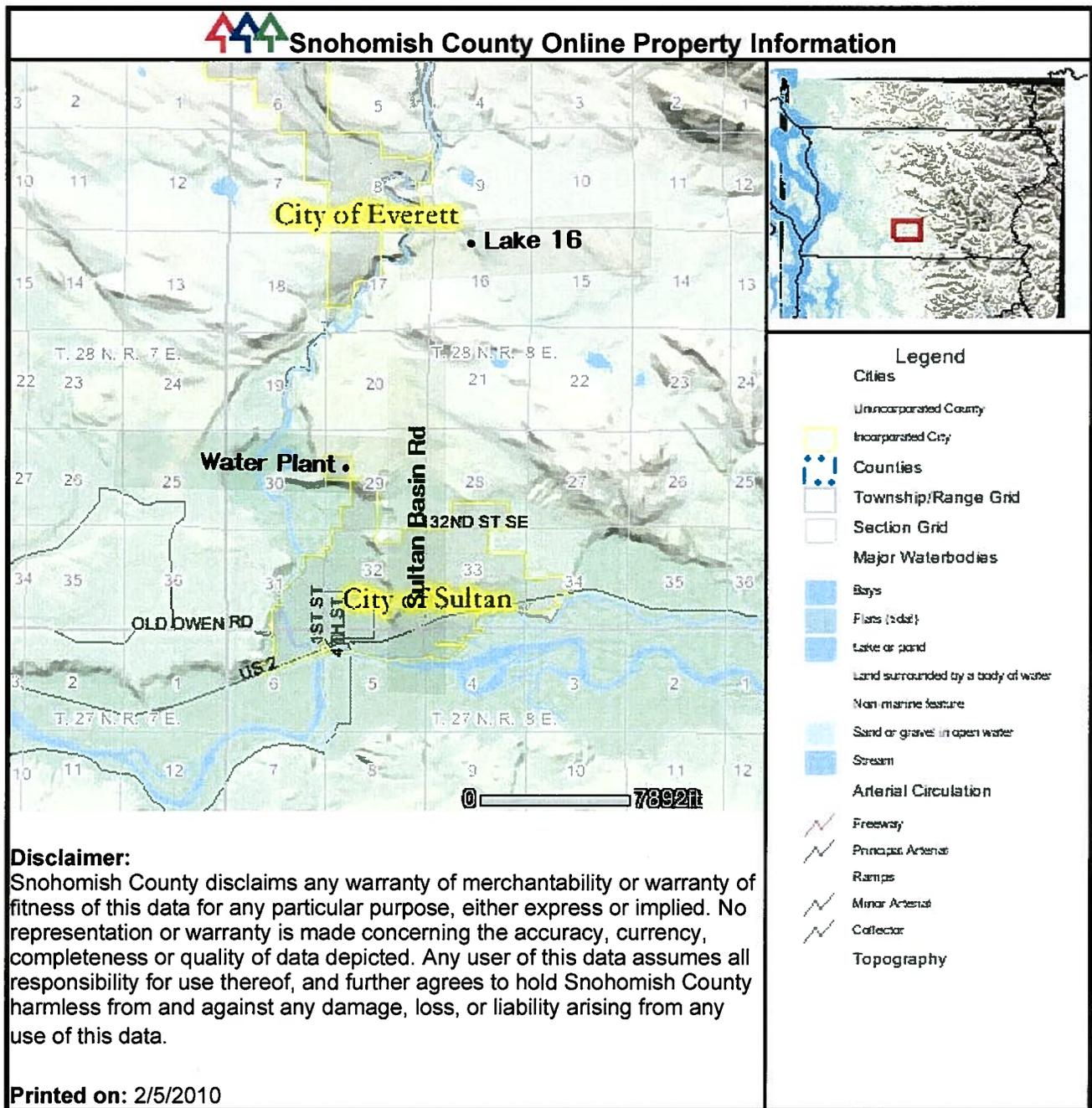
Features noted if found
and are believed to significantly
pertain to the property in question.

- | | | | | | |
|--|--|--|---|--|-----------------------------|
| | NS-No Fish, Seasonal | | Found Corner | | Wetland |
| | NP-No Fish, Perennial 50 Foot Buffer. | | Property Boundary | | Inner-Parcel Boundary |
| | F-Fish With Appropriate Buffer EX. 128 Feet. | | Buffer | | Structure |
| | Water Depletion Area | | Timber Type Line and Parcel . Type Number | | Gate |
| | Railroad Grade | | Road | | Fence |
| | Memorial Site | | | | Timber Depleted Within Unit |
| | | | | | Steep Slope |

NOTE: Though great care was taken in creating this map, information herein is supplied as a courtesy to interested parties and is in no way warranted or guaranteed. Photo Dates: 6-20-2001



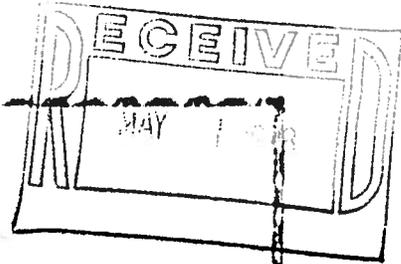
Update: December, 2006





STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
WATER RIGHT CLAIMS REGISTRATION

WATER RIGHT CLAIM



1. NAME Town of Sultan
ADDRESS c/o City Hall
Sulton, Washington ZIP CODE 98294

2. SOURCE FROM WHICH THE RIGHT TO TAKE AND MAKE USE OF WATER IS CLAIMED: Surface Water
(SURFACE OR GROUND WATER)
W.R.I.A. 97 (LEAVE BLANK)

A. IF GROUND WATER, THE SOURCE IS N/A
B. IF SURFACE WATER, THE SOURCE IS Lake 16 on an unnamed stream.

3. THE QUANTITIES OF WATER AND TIMES OF USE CLAIMED:
A. QUANTITY OF WATER CLAIMED 2,000 gpm PRESENTLY USED 2,000 gpm
(CUBIC FEET PER SECOND OR GALLONS PER MINUTE)
B. ANNUAL QUANTITY CLAIMED 2,260 AF (1,400 gpm) PRESENTLY USED 2,260 gpm
(ACRE FEET PER YEAR)
C. IF FOR IRRIGATION, ACRES CLAIMED 0 PRESENTLY IRRIGATED --
D. TIME(S) DURING EACH YEAR WHEN WATER IS USED: year around-peak in summer

4. DATE OF FIRST PUTTING WATER TO USE: MONTH unknown YEAR 1911

5. LOCATION OF THE POINT(S) OF DIVERSION/WITHDRAWAL: 1,250 FEET south AND 120
FEET east FROM THE northwest CORNER OF SECTION 16
BEING WITHIN THE northwest corner OF SECTION 16 T. 28 N., R. 8 E. (E. OR W.) W.M.
IF THIS IS WITHIN THE LIMITS OF A RECORDED PLATTED PROPERTY, LOT N/A BLOCK --- OF

(GIVE NAME OF PLAT OR ADDITION)
6. LEGAL DESCRIPTION OF LANDS ON WHICH THE WATER IS USED: Town of Sultan as defined
legally and served by the Town water system

Snohomish COUNTY Washington

7. PURPOSE(S) FOR WHICH WATER IS USED Municipal domestic

8. THE LEGAL DOCTRINE(S) UPON WHICH THE RIGHT OF CLAIM IS BASED: Prior use.

DO NOT USE THIS SPACE
THE FILING OF A STATEMENT OF CLAIM DOES NOT CONSTITUTE AN ADJUDICATION OF ANY CLAIM TO THE RIGHT TO USE OF WATERS AS BETWEEN THE WATER USE CLAIMANT AND THE STATE OR AS BETWEEN ONE OR MORE WATER USE CLAIMANTS AND ANOTHER OR OTHERS. THIS ACKNOWLEDGEMENT CONSTITUTES RECEIPT FOR THE FILING FEE.

DATE RETURNED THIS HAS BEEN ASSIGNED
WATER RIGHT CLAIM REGISTRY NO.
ED 1875124866

John Biggs

I HEREBY SWEAR THAT THE ABOVE INFORMATION IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF

X Ronald D. Mayo

DATE June 26, 1977

A CLAIM MADE BY DESIGNATED REPRESENTATIVE PRINT OR TYPE FULL NAME AND MAILING ADDRESS OF AGENT BELOW

Ronald D. Mayo
Kramer, Chin & Mayo, Inc.

1917 First Avenue
Seattle, Washington 98101

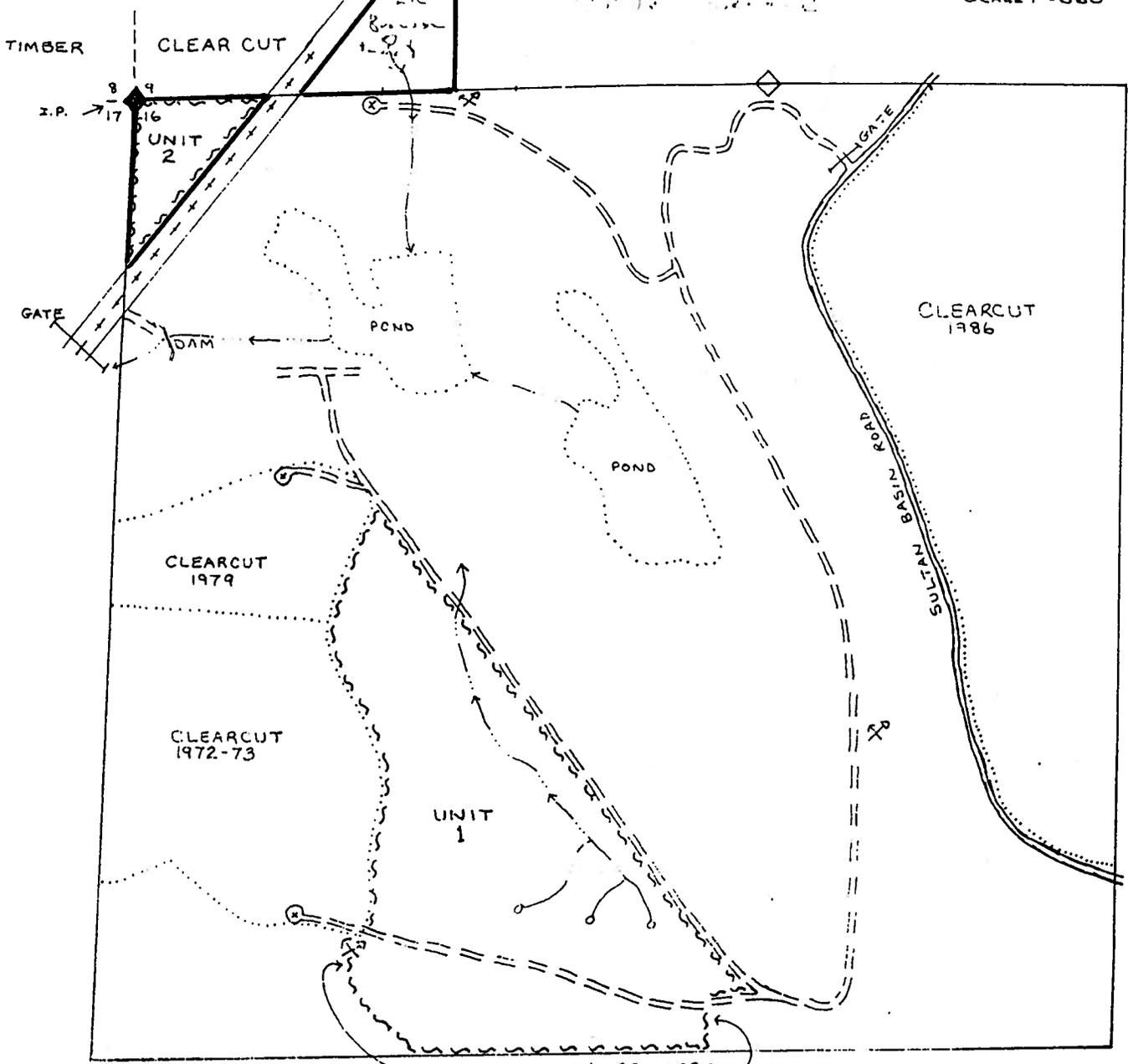
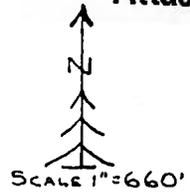
ADDITIONAL INFORMATION RELATING TO WATER QUALITY AND OR WELL CONTAMINATION IS AVAILABLE

City of Sultan
Timber Sale and Thinning Net Revenue

Year	Net Revenue	Harvest Type
1994		
1995	\$ 24,692.83	94/95 Thinning
1996	\$ 426,190.00	Timber sale
1997	\$ 11,781.45	97 Thinning
1998	\$ 10,428.29	98 Thinning
1999	\$ 17,100.61	99 Thinning
2000		
2001	\$ 31,436.20	01 Thinning
2002		
2003	\$ 198,930.00	Timber sale
2004		
2005	\$ 1,501.67	05/06 Thinning
2006	\$ 88,557.67	05/06 Thinning
2007	\$ 67,857.27	07 Thinning
2008		
2009		

1994 to Current \$ 878,475.99

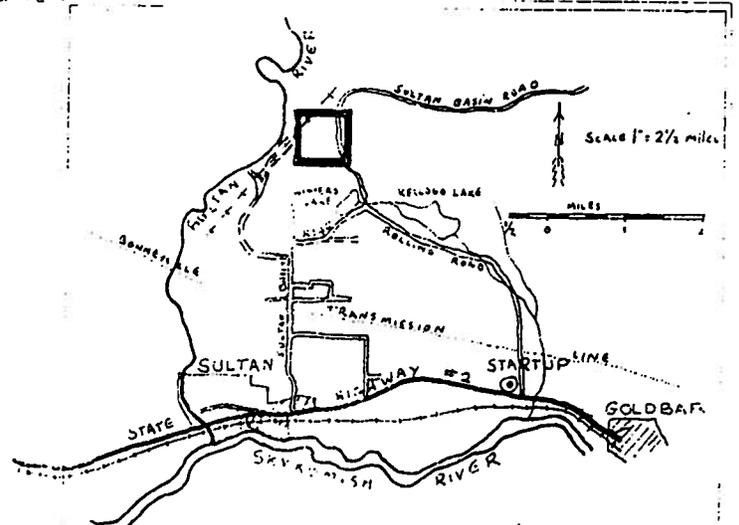
SULTAN WA E SHED
 NW 1/4, N 1/2 SW 1/4, W 1/2 NE 1/4, NW 1/4 SE 1/4
 S16 T28N R8E W.M.
 SNOHOMISH COUNTY



LINE MARKED W/2 RED STRIPES
 @ EYE LEVEL - LEAVE
 PAINTED TREES

LEGEND

- = TIMBER STAND BOUNDARY
- ==== = POWER LINE R/W
- = ROAD, UNIMPROVED
- (X) = LANDING
- ~ ~ ~ = SHARP TERRAIN BREAK
- ◆ = CORNER, POSITIVELY IDENTIFIED
- ⤵ = SPRING
- = INTERMITTENT STREAM
- ⊗ = GRAVEL PIT



Shinganson
 5 May 1989