

TABLE OF CONTENTS

Project Discussion – Page 1

Project Description – Page 2

Task 1: Aquifer Identification and Attributes – Page 2

Task 2: Water Right Search and Evaluation – Page 3

Task 3: Test Wells Location and Drilling – Page 7

Task 4: Preliminary Identification of Primary Service Area – Page 9

Task 5: Project Feasibility, Option, and Obstacle – Page 10

Appendices Table of Contents

Mineral Public Water Supply Feasibility Final Report
Contract N14775
Lewis County Public Works
December 11, 2006

Project Discussion

During the spring of 2004, Lewis County conducted an arsenic assessment in the Mineral area. Arsenic was identified as being present in numerous single family and Group B wells, exceeding maximum contaminant levels of 10 parts per billion (ppb) (Group A community water system standard), or 50 ppb (Group B water system standard). (See Appendix 1) In addition, the study found that a significant number of residents in the area relied on hand-dug wells as their sole supply of potable water. Both the arsenic contamination and the public health risk of hand-dug wells were of concern to the Department of Health (DOH) and Lewis County.

Mineral residents had limited options for acquiring quality water due to financial constraints, small lot sizes with existing septic drain fields, and limited knowledge of arsenic contaminated aquifer location and treatment effectiveness. These constraints resulted in families continuing to utilize contaminated wells as a water supply.

A Group A Community water system utilizing a well of good water quality, would eliminate the need to continue to rely on contaminated wells for water supplies. During the Arsenic Assessment one well was identified in the area that did not show the presence of arsenic – the Mineral School well. The well is located on a property of sufficient size to allow citing and development of a community water supply source and facility. Lewis County approached the property owner and received a positive response to the idea subdividing the property to create a one to two acre parcel to site a well and facility.

Based on the current information available it was considered possible that a new well located adjacent to the Mineral School well would yield arsenic-free water of a quantity sufficient to supply a community water system. The establishment of a new community water system would need to address water rights, the availability of water of quantity and quality, financial considerations, compliance with growth management, and community interest.

Project Description:

The project was broken down into 5 tasks, which are summarized below:

Task 1: Identify the location and attributes of the underlying aquifers in the project area.

Task 2: Identify and assess current water rights, the ability to transfer existing water rights, and the potential for water right acquisition.

Task 3: Drill a test well at the proposed location and determine production capacity and water quality.

Task 4: Identify service area consistent with current zoning and system capacity.

Task 5: Prepare report of project feasibility, obstacles and solutions.

Task 1: Aquifer Identification and Attributes

There are two distinct aquifers in the Mineral Area; a shallow perched water table supplied by precipitation and a deep aquifer which is a remnant of the glaciation of the Hayden Creek Drift.

The shallow water table is recharged through precipitation and is highly susceptible to contamination and seasonal fluctuations. It is located in the upper 20 feet of the formation. This aquifer is constrained by a consolidated silt lens at a depth of approximately 20 feet and varying in width from 10 to 20 feet. (See Appendix 2) This shallow aquifer supports the hand-dug wells of the community. The water is of poor quality and often contaminated with coliform bacteria. The contamination may be due to well construction but it is likely a factor of the dense development of the area and inadequate sanitary control areas. The aquifer is a poor water source often not producing water of sufficient quantity to support a residence in the late summer and early fall months.

The deeper aquifer is a result of the Hayden Creek Drift. During the Pleistocene era the glacier moved through the Nisqually drainage and cut through the hills creating a valley and a depression which now holds Mineral Lake. A Hayden Creek end moraine lies just southwest of the lake effectively creating a dam holding the lake.¹ The town of Mineral is located on this moraine and it provides water for many of the wells in the area. The glacial activity cutting through the Miocene andesite flows created a jigsaw puzzle of the remaining volcanic formation.

¹ Quaternary Stratigraphy and Extent of Glaciation in the Mount Rainier Region, Washington, Geological Survey Professional Paper 847. Crandell, D. and Miller, R. 1974.

This results in a wide variety of cased well depths through out the hills and valleys surrounding Mineral as the residents attempt to reach the Hayden Creek formation for a water supply. Because of the topography created by these geologic processes the depths of the wells vary but there is a common trend. The closer the wells are to the basaltic andesite formations, greater depth or closer to boundaries, the higher the level of arsenic in the water supply. This is consistent with the geology, in that the basalt was created through volcanic processes dating to the Miocene era and it contains veins of Realgar.² Realgar contains arsenic and in fact the presence of arsenic in the area is well known with Realgar mining occurring from 1900 to 1922.

Using the geologic information and the available well logs it is apparent that to achieve a water supply of sufficient quantity and minimal arsenic presence the source would be the Hayden Creek Drift formation. However the proximity to the Miocene andesite flows must be taken into consideration. (See Appendix 3)

Task 2: Water Right Search and Evaluation

The Washington State Department of Ecology (Ecology) manages Washington States water resources, including administering the states water rights. A water right is necessary for any diversion of water from surface waters (i.e. lake, rivers, streams, and springs) and for ground water withdrawals of more than 5,000 gallons per day or for irrigation of more than a half acre of lawn or noncommercial garden. If the Mineral community were to establish a public water system, the system operator would have to obtain a water right, either by directly applying for a water right or through purchasing and transferring an existing water right to the water system.

Much of the water in Washington has already been allocated or claimed and it is increasingly difficult to obtain new water rights, as a result, applying for and receiving a water right can be a long, drawn out process. Washington state water law is a system based on prior appropriation where "senior" water right holders are entitled to the full exercise of their right before more "junior" holders may take water. Senior and junior status is based on the priority date, which is the application date for the water right. Before a water right is issued, the proposed use must meet four primary requirements:

² Geologic Map GM-34. Geologic map of Washington – Southwest Quadrant. Walsh et. al. 1987

1. The water will be put to beneficial use,
2. There will be no impairment to existing rights,
3. Water is available, and;
4. The water use will be in the public interest.

Demonstrating that a new water right would not impair existing "senior" rights can be a difficult task, especially high in a watershed where there are many senior water right holders down stream. Given the time and complexities in obtaining a new water right, the County decided to focus on existing water rights, in the area which could be transferred to a new municipal water system for the Mineral community.

The Department of Ecology may consider changes to the following elements of an existing water right:

1. Place of use
2. Point of diversion or withdrawal
3. Additional point(s) of diversion or withdrawal
4. Purpose of use (including season of use)

Two elements for a water right transfer or change is that the water right is eligible to be changed and the entire right, or a portion of the right, has not been abandoned or relinquished for non-use, and that the source of water will not change. Water rights are generally represented by three different types of water right documents, a water claim, permit, and certificate. A claim is simply a claim to a water right for a beneficial use which predates the state's water permitting system, which 1917 and 1932 for surface water and 1945 for ground water. The validity of a claim can only be confirmed through judicial processes. A permit is permission by the state to develop a water right; it is not a final water right. A permit allows a water right applicant to proceed with construction of the water system and start putting the water to beneficial use, in accordance with the terms of the permit. Ecology issues a certificate once the department confirms that all the conditions of the permit have been met. A certificate of water right is the legal record of a water right, and is recorded at the county's auditor's office. Once Ecology issues a certificate, the water right is considered appurtenant (or attached) to the land on which the water is used. An application is simply an application for a new water right.

Taking into consideration the types of water rights documents and that the source of water must not be changed in a change or transfer, county staff investigated the potential for a water right change and/or transfer to a municipal water system for Mineral. Water right claims, permits, certificates and applications are tracked by Ecology in their Water Rights Tracking System (WRTS). County staff searched the WRTS system for all water rights within Sections 4, 8, 9, and 10 with Township 14 North Range 5 East, W.M. Lewis County Washington.

One hundred water right claims were identified by the WRTS system within the Mineral area (Table 1, Appendix 4). Ninety-six of the claims were ground water claims and four were surface water claims. Analysis of the claims focused on the ground water claims as the proposal for a new municipal water system focused on establishing a new well for the system. Most of the claims were filed in the early 1970's during a statewide opening for filing water right claims which ended June 30, 1974. Nearly half of the claims did not contain any water quantity on the claim application. Of those that did include a quantity on the claim, the claim generally would fall under the exemption of 5,000 gallons per day or for irrigation of less than a half acre of lawn or noncommercial garden, and thus would not require a water right. Additionally, a significant proportion of the claims indicated an initial use of the water post 1945 when Washington State ground water code was established. A claim is only valid for use that was established *prior to* the establishment of the ground water law. A water use established after the ground water code would have to file for a new application, if the use exceeds the exempt levels. There were no promising candidates within the ground water claim for a transfer of change of a water right.

Table 1: Summary of Water Claim Results

Claims	100	No Quantity Identified	Quantity Identified	Mean gallon per minute	Mean acre feet per year
Surface	4	2	2	40	
Ground	96	47	49	16	2.5

No permits within the Mineral area were identified within the WRTS system, however, eight water right certificates were discovered (Table 2, Appendix 4). Of the eight certificates three were for surface water and five were for ground water. As with the claims, analysis focused on the ground water certificates. Two of the ground water claims were located in Section 4, two were located within Section 9, and the remaining ground water claim was located with Section 10 (See Appendix 4). The two possible well locations identified during the project at the

Mineral School and the property owned by Washington State Department of Fish and Wildlife were both within Section 9. Since a water right change and/or transfer must occur within the same water source as the original certificate, the two ground water certificates within Section 9 were the focus of any potential change and/or transfer. While the other certificates may have indeed been within the same aquifer, more extensive verification is required for a transfer across section lines, regardless of proximity of the source.

Table 2: Summary of Water Certificate Results.

Certificate	Name	Priority Date	Purpose	Quantity	Acre feet per year
G2-*08073CWRIS	St Regis Paper Co	05/05/1966	DM	60 gpm	2
G2-23079CWRIS	Nilson, Ronald N	08/19/1974	DM	60 gpm	2
G2-24286CWRIS	Smith, Larry	09/10/1976	DM	60 gpm	10
G2-25865CWRIS	Krolczyk, Joseph	04/14/1981	DS	10 gpm	1
G2-26015CWRIS	McKelvey, Dean	09/29/1981	DM	80 gpm	8
S2-*17828CWRIS	Umstott, GW	04/03/1963	RE	0.25 cfs	
S2-*18901CWRIS	St Regis Paper Co	03/09/1965	FR	20 cfs	50
S2-22077CWRIS	Breckenridge, Richard	03/20/1974	IR	0.02 cfs	0.5

DM = Domestic Multiple (more than one dwelling, i.e. motels, trailer courts, campgrounds, parks, schools, port districts, public utility districts, diking and drainage districts, water districts, reclamation districts, and counties, none of which are under municipal control).

DS = Domestic Single (one dwelling with lawn and garden, up to one-half acre).

RE = Recreation and Beautification (includes beautifying private and public grounds and supplying water to swimming pools, boating ponds, etc).

FR = Fire Protection (includes sprinkling log storage facilities).

IR = Irrigation (includes cranberry farming, lawn/garden watering with definite acreage, golf courses, greenhouses, etc.).

gpm = gallons per minute

cfs = cubic feet per second

The two ground water certificates within Section 9 were the McKelvey (G2-26015CWRIS) and Smith (G2-24286CWRIS) certificates. The McKelvey water certificate proved to be the most promising for a potential change and/or transfer. Analysis of the aquifer, Task 1, indicated that the current point of withdrawal for the McKelvey certificate is within the same aquifer as the two possible locations for the well. Additionally, the current owner of the McKelvey certificate also owned a share in the Mineral School, one of the possible locations for the well, and was willing to work with the County in a change of point of withdrawal for the water right. The Smith certificate was also determined to be within the same aquifer as the potential well sites, however, Mr. Smith was not as amicable to transferring his water right to a proposed municipal water system.

Armed with this information, Lewis County personnel met with representatives from the Department of Ecology and Washington State Department of Health to discuss the possibility of transferring water rights to a new municipal water system for Mineral. The Department of Health agreed to right a letter (See Appendix 5) to Ecology regarding the public health concerns concerning the current water supply situation in Mineral. A water right application (either new or change) with a letter from the Department of Health stating the public health and safety issue would move the application to the top of the pile, and Ecology would make a priority to process the application.

Ecology discussed the possible actions the County could pursue for obtaining a water right for a new municipal water supply which included the application for a new right, the change of an existing right, and credit for consolidation of exempt wells into a water right. With the letter from the Department of Health, Ecology gave the County verbal approval to pursue water rights (new, change, and consolidation) and stated they would give the County a preliminary permit to investigate and drill test wells.

Task 3: Test Wells Location and Drilling

Identifying a location for a public water supply well required assessing multiple factors:

1. Location in reference to the "Hayden Creek Drift Aquifer"
2. Proximity to existing known arsenic contamination.
3. Projected capacity based on known pumping volume in adjacent wells
4. Proximity to the proposed service area and access
5. Acreage of property to allow a consolidated site to include source and facility
6. Cost of property acquisition
7. Proximity to known and projected potential contamination sources

In weighing all of these factors two potential locations for test wells were identified. One was the Washington Department of Fish and Wildlife (WDFW) property and the other an acre of the former Mineral School property. (See Appendix 6) Both of the properties were located over the Hayden Creek Drift Aquifer, were distant from a known well with arsenic contamination,

allowed locating a source and treatment facility, and were able to accommodate a 100 foot sanitary control area.

The WDFW property was a 3.49 acre partially wooded parcel located off of Mineral Road North, TPN037150000000. Evaluation for potential well capacity was unavailable as no existing well logs were located for the adjacent properties. The property is located outside of the service area by approximately 400 feet. The property does not currently have an access nor a road and would require significant site preparation including logging some of the timber, building a road for the drill rig, and accomplishing a formal wetland delineation. To complete a preliminary evaluation, for project purposes, staff conducted a wetland assessment of the property. The wetland was preliminarily identified as a Category 3 and a rough delineation was done including buffers to ascertain useable land. Based on this analysis it was determined that there was sufficient property to allow locating a public water supply source, access, and facility building. (See Appendix 6) In discussion with the WDFW they indicated a willingness to partner on the property and make it available for public water supply development perhaps donating the land for the proposed use.

The former Mineral School property was a 4.89 acre parcel located in the upper portion of the town, TPN0371580000000. The property is fully developed but has a ball field in the back and it appeared that approximately 1 acre could be subdivided out for water system and source development. (See Appendix 6) Adjacent well logs indicate bailer test of 50 gpm and a pump test of the former Mineral School well indicates a sustained flow 27 gpm with a 1½ HP Grundfos pump (See Appendix 6). The site is located within the projected service area and access already exists. The cost of acquiring the property is projected to be significant however some accommodation may be made utilizing water service connection fees and water usage.

Appendix 6 includes a table of the assessment for each proposed site. Based on the assessment it was determined, given source location and access that the former Mineral School location was the best choice for the test well. Bids were requested for drilling of a test well, including estimates for 8, 10, and 12 inch wells. Prior to drilling this well however the community interest in the project needed to be assessed and to that end two meetings with local civic groups and one public meeting were held to inform the public of the current feasibility findings. (See Appendix

7) The project met with a mixed response from the community and as a result Lewis County determined a need for an accurate assessment of property owner's interest. This was accomplished in two ways. First, Lewis County developed a survey to poll owners within the proposed service area as to their interest in completion of the feasibility study determining the viability of a public water supply to serve the Mineral community. (See Appendix 8) Second some local constituents distributed a petition to members of the community to sign if they were opposed to a local public water supply. (See Appendix 9)

As a result of the poll and petition it was apparent there was not a majority of property owners who supported completion of the Feasibility Study. (See Appendix 8 & 9) Based on this information the Lewis County Board of County Commissioners made a decision that without the interest of a major portion of the proposed service area landowners and the liability of managing the test well that the project should not be completed at this time. Therefore a test well was not drilled.

Task 4: Preliminary Identification of Primary Service Area.

A key step in developing a municipal water system is establishing the service area. With Lewis County operating under the Growth Management Act (GMA), establishing a service area within Mineral is somewhat problematic. GMA restricts the extension of urban services to the rural areas and by definition a domestic water system is an urban service (RCW 36.70A.030(20)). Mineral is an unincorporated area in rural Lewis County. However, GMA does allow for limited areas of more intensive rural development (LAMIRD), including necessary public facilities and public services to serve the limited area (RCW 36.70A.070(5)(d)). The Mineral area consists of two LAMIRDs surrounded by rural zoning.

Lewis County Comprehensive Plan identifies the majority of the Mineral site as a Small Town Mixed Use, a type of LAMIRD (See Appendix 10). Small towns are the most intensely developed rural use areas in terms of lots; variety of densities; and size, variety and intensity of uses. Small towns have traditionally been a center of service and the hub of employment for the more rural areas. The Lewis County Comprehensive Plan also identified an area of Small Town Industrial within Mineral, which is the site of the old Murray Pacific Lumber Mill. Given the restrictions of GMA in extending urban services into the rural area, and subsequent allowance of

limited areas of more intensive rural development, the LAMIRD zonings of Small Town Mixed Use and Small Town Industrial of Mineral were logical boundaries for the service for any municipal water supply.

Three variations of the service area were considered. (See Appendix 8 & 9) Option 1 included service to the entire Small Town Mixed Use and Small Town Industrial LAMIRDs. This option would provide service to 163 lots of record totaling 87.54 acres. Option 2 would provide service to the Small Town Industrial area and the Small town Mixed Use with a reduction of service area at the north end of the Small Town Mixed Use zone. This option would provide service to 147 lots of record totaling 75.42 acres. Option 3 would provide service to the Small Town Industrial area and the Small town Mixed Use with a reduction of service area at the north end of the Small Town Mixed Use zone and exclude the Mineral Mobile Home Park at the south end of the Small Town Mixed Use zone. This option would provide service to 146 lots of record and 69.91 acres.

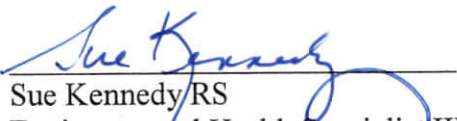
Lewis County overlaid these Options with the Community Poll to assess whether there was a proposed Service Area in which there was a majority of property owner interest. The results were clear. For all options the percentage of lot owners who supported completion of the feasibility was double those who opposed completion. However in all options greater than 40% of the Property Owners did not respond. So, what does this mean in reference to development of a public water supply? It means there is a problem. In lieu of a Public Health Order the BOCC must be petitioned by a majority of the local landowners to develop a water system to serve the community. Without a majority of the landowners supporting just the completion of the Feasibility Study the BOCC determined it was unlikely a petition for development would occur. The BOCC directed staff to discontinue the project.

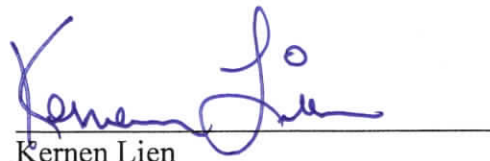
Task 5: Project Feasibility, Options, and Obstacles

Currently the most pronounced obstacle to development of a public water supply for the Mineral Community is opposition and disinterest. Based on the Lewis County poll for completion of the Feasibility Analysis and the Community Petition there does not currently exist a majority of property owners interested in a community public water supply. (See Appendix 8 & 9) The Lewis County Board of County Commissioners have made a determination that in lieu of a majority of interested property owners further resources expended on the project is inappropriate.

As a result Lewis County has contacted all property owners and informed them of the discontinuation of the study. (See Appendix 11) This decision however does not alleviate the very real potential health risk associated with exposure to water produced by many of the wells supplying the homes in the community. Lewis County has established several policies in response to this issue:

1. The Lewis County Health Department Water Quality Section will continue to actively work with individual property owners and public water supplies for treatment options for arsenic removal.
2. The Lewis County Health Department will continue to conduct Health Assessments of the Mineral Community to identify any epidemiological trends.
3. The Lewis County Building Department will continue to require Arsenic, Bacterial, and Nitrate testing prior to issuance of building permits in the area that has been identified to have arsenic contamination. (See Appendix 11)
4. Wells providing water for new construction must be treated for arsenic removal and a Covenant filed on the property title indicating arsenic contamination and treatment. (See Appendix 11)
5. Lewis County will maintain a record of this Feasibility Analysis so that if the community should approach the Board of Commissioners with interest in a public water supply the study may be used as a baseline for further development.


Sue Kennedy RS
Environmental Health Specialist III


Kernen Lien
Senior Environmental Planner

APPENDICES TABLE OF CONTENTS

Appendix 1 – 2004 Arsenic Assessment

- a. Map Well Results for the 2004 Mineral Area Arsenic Assessment

Appendix 2 – Aquifer Attributes

- a. Map of wells
- b. Aquifer profile

Appendix 3 – Mineral Area Geology

- a. Map of Mineral Area Geology
- b. Geologic Map Units

Appendix 4 – Water Rights in the Mineral Area

- a. Table of Mineral Area Water Rights
- b. Map of Mineral Groundwater Claims

Appendix 5 – Washington State Department of Health Correspondence

- a. Request for Emergency Water Right Processing

Appendix 6 – Test Well Potential Site Locations

- a. Map of Proposed Test Well Locations
- b. Map of WDFW Property Test Well Location
- c. Map of Former Mineral School Test Well Location
- d. Former Mineral School Well Pump Test
- e. Table 3 Comparison of Proposed Test Well Locations

Appendix 7 – Public Meeting

- a. Public Meeting Notice
- b. Poll Form
- c. Questions and Answers

Appendix 8 – Feasibility Survey

- a. Poll Form
- b. Poll Results For Proposed Service Areas
- c. Map of Poll Results for Option One Proposed Service Area
- d. Map of Poll Results for Option Two Proposed Service Area
- e. Map of Poll Results for Option Three Proposed Service Area

Appendix 9 – Community Petition

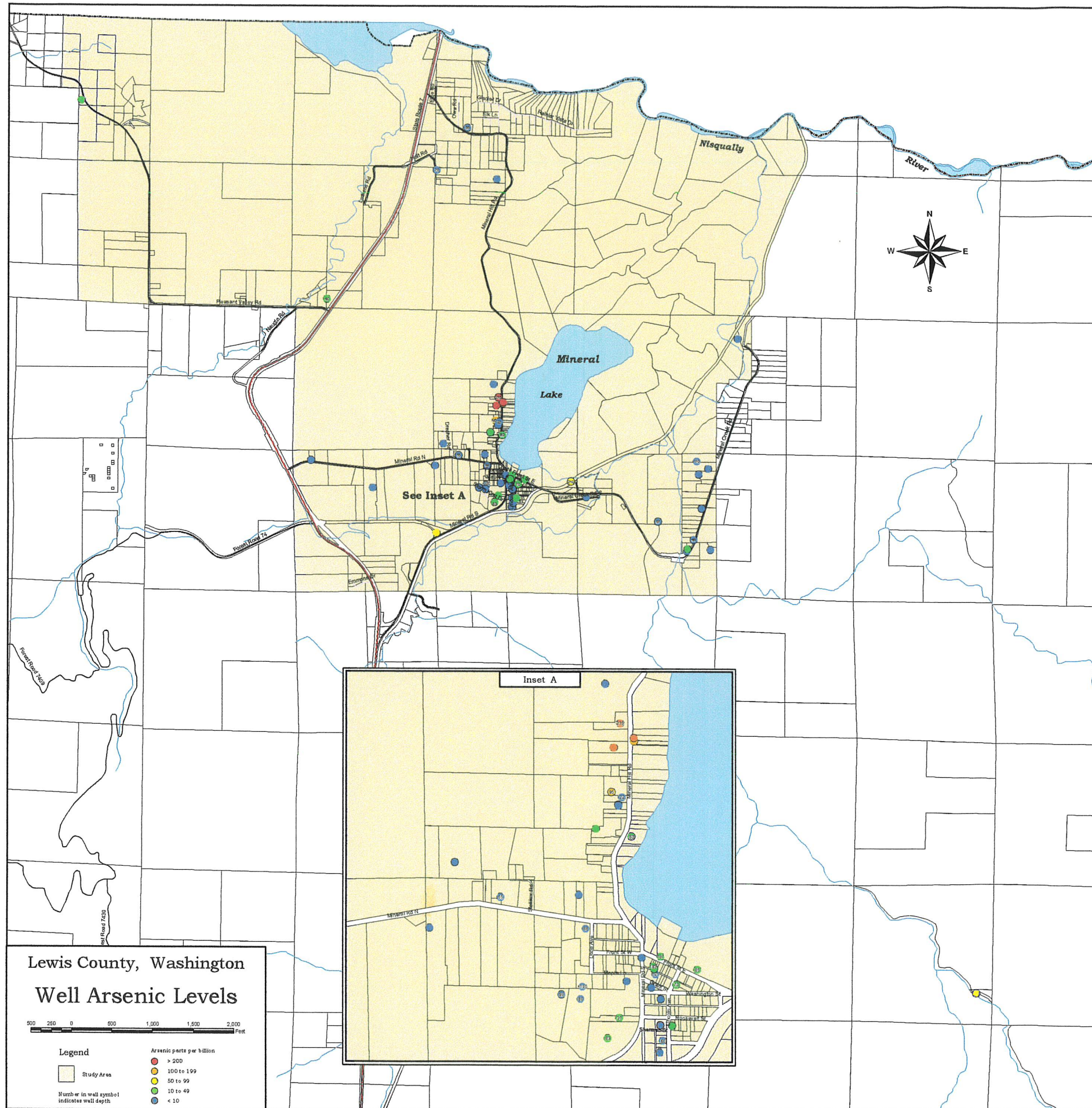
- a. Petition
- b. Petition Results for the Mineral Small Town Mixed Use and Small Town Industrial
- c. Map of Results for the Mineral Small Town Mixed Use and Small Town Industrial

Appendix 10 – Mineral Zoning

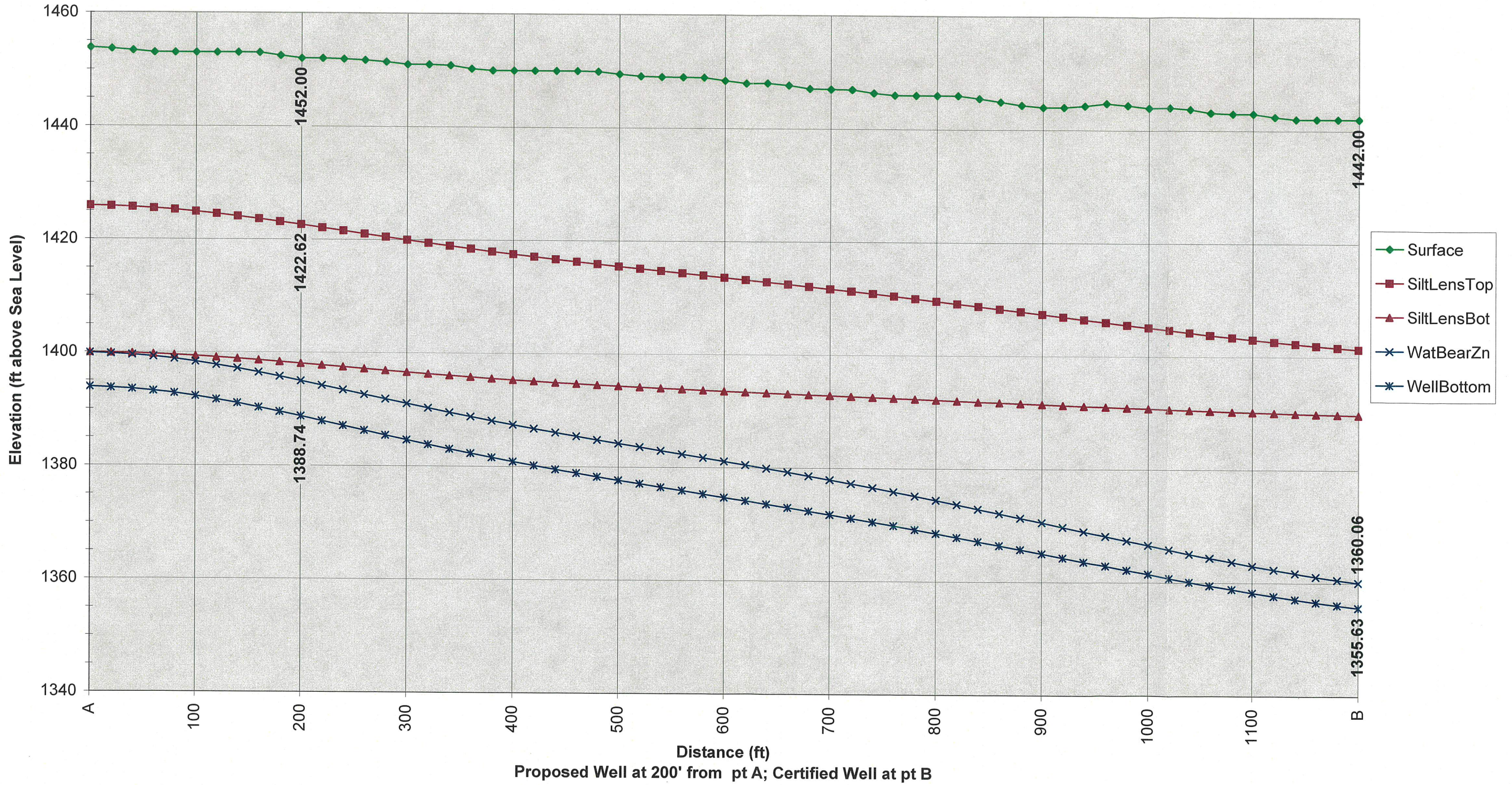
- a. Map of Mineral Area Zoning

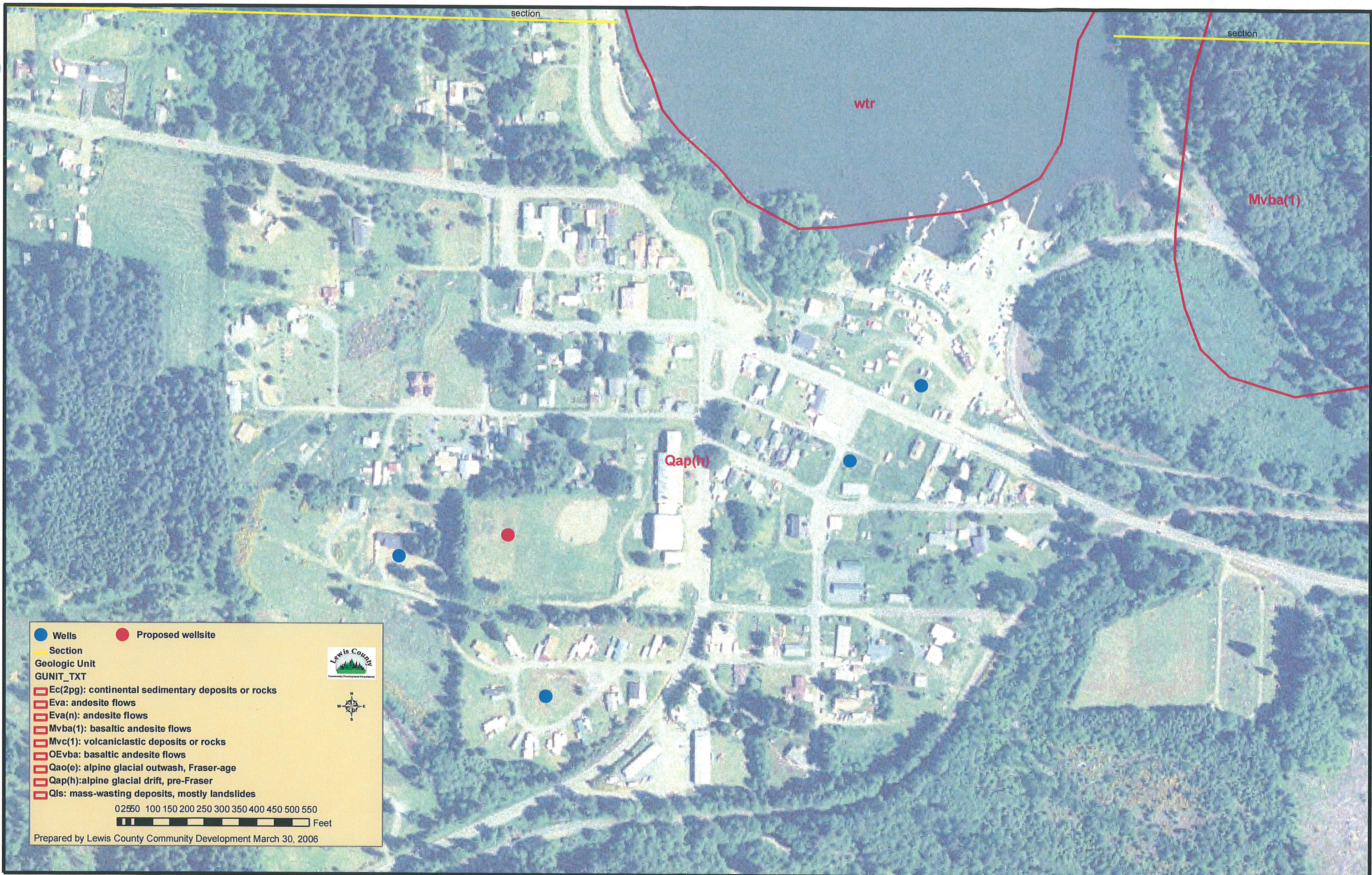
Appendix 11 – Lewis County Response

- a. Letter to Property Owners
- b. Arsenic Disclosure Statement
- c. Map of Mineral Arsenic Testing Area





Profile of Ground Surface and Interpolated Silt Lens and Aquifer from Mineral Area Well Logs



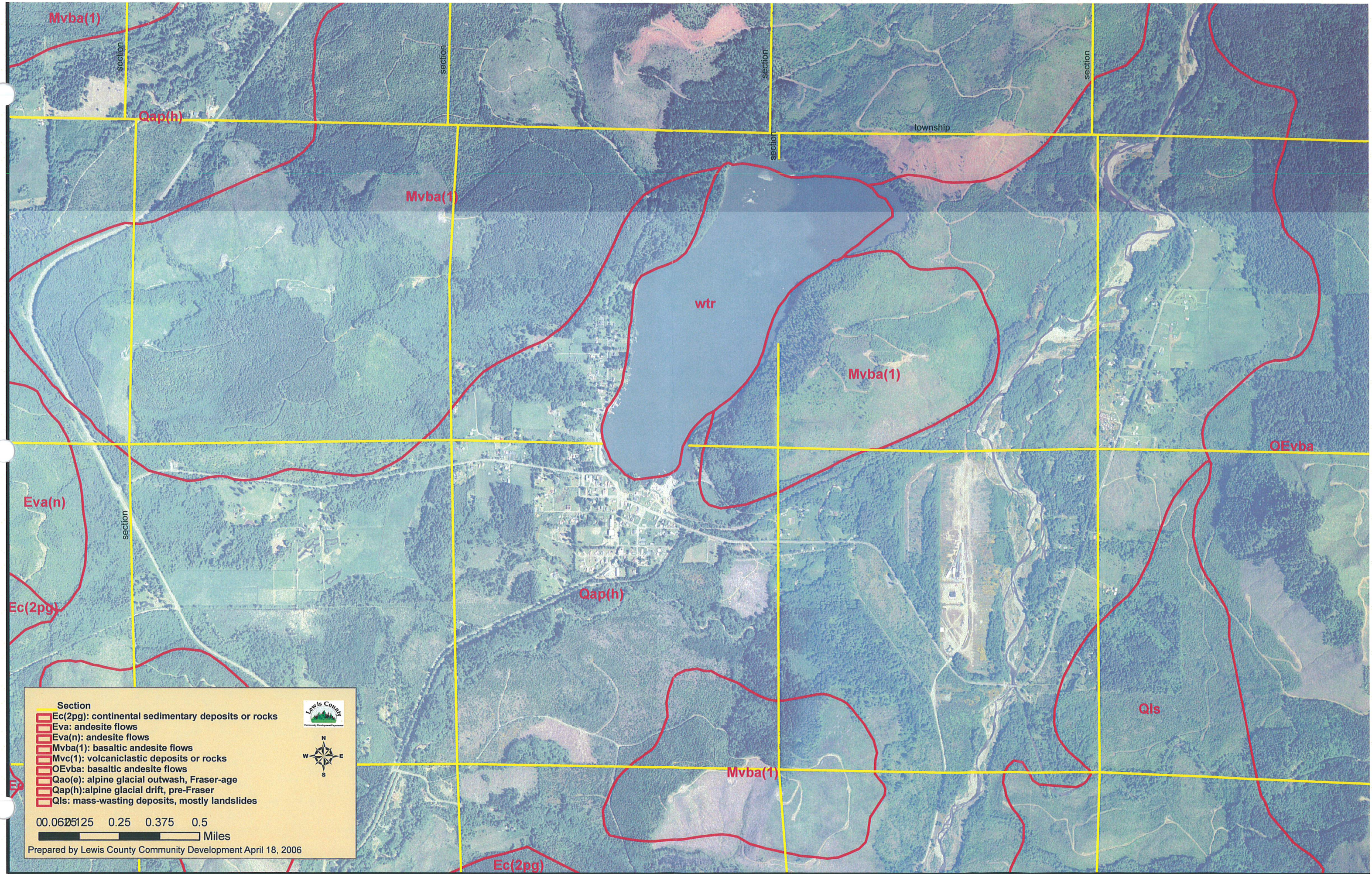


● Wells ● Proposed wellsite
— Section
 Geologic Unit
 GUNIT_TXT
Ec(2pg): continental sedimentary deposits or rocks
Eva: andesite flows
Eva(n): andesite flows
Mvba(1): basaltic andesite flows
Mvc(1): volcanoclastic deposits or rocks
OEvba: basaltic andesite flows
Qao(e): alpine glacial outwash, Fraser-age
Qap(h): alpine glacial drift, pre-Fraser
Qls: mass-wasting deposits, mostly landslides


0 250 500 750 1000
 0 250 500 750 1000 Feet


Prepared by Lewis County Community Development March 30, 2006




Section

- Ec(2pg): continental sedimentary deposits or rocks
- Eva: andesite flows
- Eva(n): andesite flows
- Mvba(1): basaltic andesite flows
- Mvc(1): volcaniclastic deposits or rocks
- OEvba: basaltic andesite flows
- Qao(e): alpine glacial outwash, Fraser-age
- Qap(h): alpine glacial drift, pre-Fraser
- Qls: mass-wasting deposits, mostly landslides





00.0625125 0.25 0.375 0.5

 Miles

Prepared by Lewis County Community Development April 18, 2006

Washington State Department of Natural Resources
 Division of Geology and Earth Resources

Open File Report 2005-3
 Digital 1:100,000-scale Geology of Washington State
 version 1.0
 by
 Washington Division of Geology and Earth Resources Staff
 December 2005

1:100,000-scale State Geologic Map Units

QUAD. NAME	GUNIT_TXT	OLD SYM	AGE1	AGE2	LITHOLOGY1	LITH2	LITH3	Sorted by QUAD. NAME, AGE2, and LITH2 NAMED UNIT OR NOTE
Mount Rainier	Ec(2pg)	Tpg	Eocene	18	continental sedimentary deposits or rocks	30	c	Puget Group
Mount Rainier	Eva	Tva	Eocene	18	andesite flows	39	va	---
Centralia	Eva(n)	Tno	Eocene	18	andesite flows	39	va	Northcraft Formation
Centralia	Mvba(1)	Tva(3)	Miocene, lower	12	basaltic andesite flows	39.1	vba	---
Centralia	Mvc(1)	Tvc(3)	Miocene, lower	12	volcaniclastic deposits or rocks	39.1	vc	---
Centralia	OEvba	Tva	Oligocene-Eocene	17	basaltic andesite flows	39.1	vba	---
Mount Saint Helens	Qao(e)	Qoe	Pleistocene	3	alpine glacial outwash, Fraser-age	26	ao	Evans Creek Drift, outwash deposits of
Mount Rainier	Qap(h)	Qdh	Pleistocene	3	alpine glacial drift, pre-Fraser	28	ap	Hayden Creek Drift
Mount Saint Helens	Qls	Qls	Quaternary	2	mass-wasting deposits, mostly landslides	6	ls	---

Water Right Tracking System
Department of Ecology
WR Document List Sorted By Priority Date Report

Reported By: JEMA461	Report Date: 10/21/2005	File #	Cert #	Person	Stat	Doc	Priority Dt	Purpose	QI	UOM	Qa	Ir Acres	WRIA	County	TRS	QQ/Q	Src's	1stSrc	claim date	first use (mm-yy)	GPM	Pres. Used (GPM)	Aclyr	Pres. Used (aclyr)	cfs	Pres. Used (cfs)	time/r/used	POD Legal	Use Legal	TPN	
		G2-162601CL		WOODS RAYMOND R	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
		G2-169779CL		MINERAL LAKE LIONS CLUB	A	Claim L		No ID		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL	06-02-76	11-61							emergency uses continuously	Section 9 T14N R5E	Well is about 25 feet deep -	011170-001000	
		G2-169780CL		RICHARDS EDWIN	A	Claim L		DG		GPM		1.0	11	LEWIS	14.0N 05.0E 09		1	WELL	06-27-76	04-60	10	10	1	1							
		S2-156834CL		BARTLE STANLEY G	A	Claim S		IR,DG		CFS			11	LEWIS	14.0N 05.0E 10		1	MINERAL CREEK													
		G2-155193CL		CHRISTIANSON RICHARD O	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL	03-31-75	1950	10	10	1	1		continuously	lots 14, 15, 16 block 2 Ahlstrands addition	lots 14, 15, 16 block 2 Ahlstrands addition	011197001000		
		G2-165297CL		MORTON SCHOOL DIST 214	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL	03-31-75	1911	10	10	1	1		continuously	229 feet west and 119 feet north and 132 feet east from the NE corner of section 9 being with NE 1/4 NW 1/4 of section 9 T14N R5E	a tract of land in the SE 1/4 NW 1/4 of section 9 T14N R5E described as follows: begin at SE corner of NE NW of Section 9 which is point of beginning west 229 feet, north 209 feet, east 229 feet thence south 209 feet to point of beginning.			
		G2-153054CL		VANNING JOHN	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 04		1	WELL													
		G2-153055CL		VANNING ELIZABETH	A	Claim L		DG		GPM		0.6	11	LEWIS	14.0N 05.0E 04		1	WELL	03-26-75	09-73	20	20	3	3		continuously	360 feet west and 1800 feet north from the south 1/4 corner of section 4 being with SE 1/4 NE 1/4 SW 1/4 of section 4 T14N R5E	commencing at a stone monument 2683 feet east and 1797 feet north of the SW corner of section 4 T14N R5E being the point of beginning; thence running north 107 feet; thence east 400 feet more less, to the low water mark of mineral lake; thence south or in a southerly direction 107 feet along said low water mark; thence 400 feet more or less to its pt of beginning; all situated in lots 6 of Section 4 T14N R5E together with the right to use water for domestic purposes on said premises, taking said water from the lands of August and Sophia Ahlstrand, with an easement over and across the lands of Ahlstrand to maintain the awater pelpe line as at present existing thereof.	037067001000		
		G2-161918CL		CASE LILLIAN	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL	03-26-75	1946	10	10	1	1		continuously	lot 12 block 4 of the mineral townsite	lots 12 and 13 of block 4 mineral townsite	011100000000		
		G2-148108CL		REAMER LA VERN C	A	Claim L		ST,IR		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL	03-21-75	06-66	20		3	3		continuously	780 feet east and 900 feet south from the north 1/4 corner of section 9 with SW 1/4 NW 1/4 NE 1/4 of section 9 T14N R5E	Tax lot 8 block 8 mineral addition	011121012001		
		G2-148109CL		MOUNCE HARRY	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL													
		G2-146370CL		WEST FORK TIMBER CO	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 04		1	WELL	03-20-75	12-64	20	20	2	1		all year	600 feet south and 300 feet west from the center of section 4 being with NE 1/4 SW 1/4, section 4 T14N R5E	a 3.5 acre tract with NE 1/4 SW 1/4, section 4 T14N R5E			
		G2-143913CL		DUNLAP GORDON N	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
		G2-142615CL		SPARKMAN ELMER J	A	Claim S		IR,DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
		G2-138986CL		SUTER JOSEPH W	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 04		1	WELL	03-10-75	02-23	5		1								
		G2-132847CL		VANDERPOOL LEE	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 10		1	WELL	03-03-75	1940	15	15	1	1							
		G2-128539CL		DUNLAP GORDON N	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
		G2-128540CL		DUNLAP GORDON N	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
		G2-128541CL		DUNLAP GORDON N	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
		G2-128542CL		DUNLAP GORDON N	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
		G2-127878CL		PAGE JACK	A	Claim L		ST,IR		GPM		0.6	11	LEWIS	14.0N 05.0E 09		1	WELL	02-21-75	06-34	20	20	3	3		continuously	450 feet south and 100 feet east from the NW corner of section 9 being within NW 1/4 NW 1/4 NW 1/4 Section 9 T14N R5E	that part of the NW 1/4 NW 1/4 Section 9, T14N R5E described as follows: beginning at the SE corner of the NE 1/4 NW 1/4 of said section; thence west 2264.5 feet to the true point of beginning; thence continuing west 133 feet; thence north 990 feet, more less, to the county road; thence easterly along said road 133 feet; thence south 990 feet, more less to the point of beginning.	037169000000		
		G2-127879CL		PAGE JACK	A	Claim L		ST,IR		GPM			11	LEWIS	14.0N 05.0E 09		1														
		G2-126850CL		ST REGIS PAPER CO	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 08		1	WELL	02-28-73	10-1963 (1938)	10	10	1	1		continuous	655 feet North and 1125 feet west from the SE corner of Section 8 being with SE 1/4 SE 1/4 of Section 8 T14N R5E	part of SE 1/4 SE 1/4 Section 8 T14N R5E at residence	037144001000		
		G2-118701CL		BARTLE STANLEY G	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 10		1														
		G2-116601CL		CHICAGO MILWAUKEE ST	A	Claim S		No ID		GPM			11	LEWIS	14.0N 05.0E 09		1														
		G2-116286CL		KROLCZYK JOSEPH	A	Claim S		IR,DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
		G2-114024CL		MC CARTNEY MERLE C	A	Claim L		ST,IR		GPM		0.6	11	LEWIS	14.0N 05.0E 09		1	WELL	01-28-75	06-65	20	20	3	3		continuously	990 south and 600 feet west from the north 1/4 corner section 9 being with SE 1/4 NE 1/4 NW 1/4 Section 9 T14N R5E; Lot 6 block 3 of Ahlstrands addition	lot 6, block 3, ahlstrands addition	011203000000		
		G2-112602CL		SMITH NORMAN P	A	Claim L		ST,IR		GPM		0.5	11	LEWIS	14.0N 05.0E 09		1	WELL	01-24-75	06-50	20	20	3	3		continuously	1100 feet south and 650 feet west from the North 1/4 corner of section 9 being with SE 1/4 NE 1/4 NW 1/4 of section 9 T14N R5E	that part of section 9 T14N R5E described as follows: Beginning at a point 221 feet north and 124 feet west of the SE corner of Lot 3 of said section; thence west 109 feet to the true point of beginning; thence north 104 feet; thence west 100 feet; thence south 104 feet thence east 100 feet to the true point of beginning.			
		G2-110618CL		NELSON ARTHUR E	A	Claim L		ST,IR		GPM		0.5	11	LEWIS	14.0N 05.0E 09		1	WELL	01-22-75	06-57	20	20	3	3		continuously	500 feet west and 800 feet south from the north 1/4 corner of section 9 within SE 1/4 NE 1/4 NE 1/4 of section 9 T14N R5E; Lot 7 and 8, block 2 Ahlstrand addition	lot 8 block 2 Ahlstrands additon	011190000000		

Water Right Tracking System
Department of Ecology
WR Document List Sorted By Priority Date Report

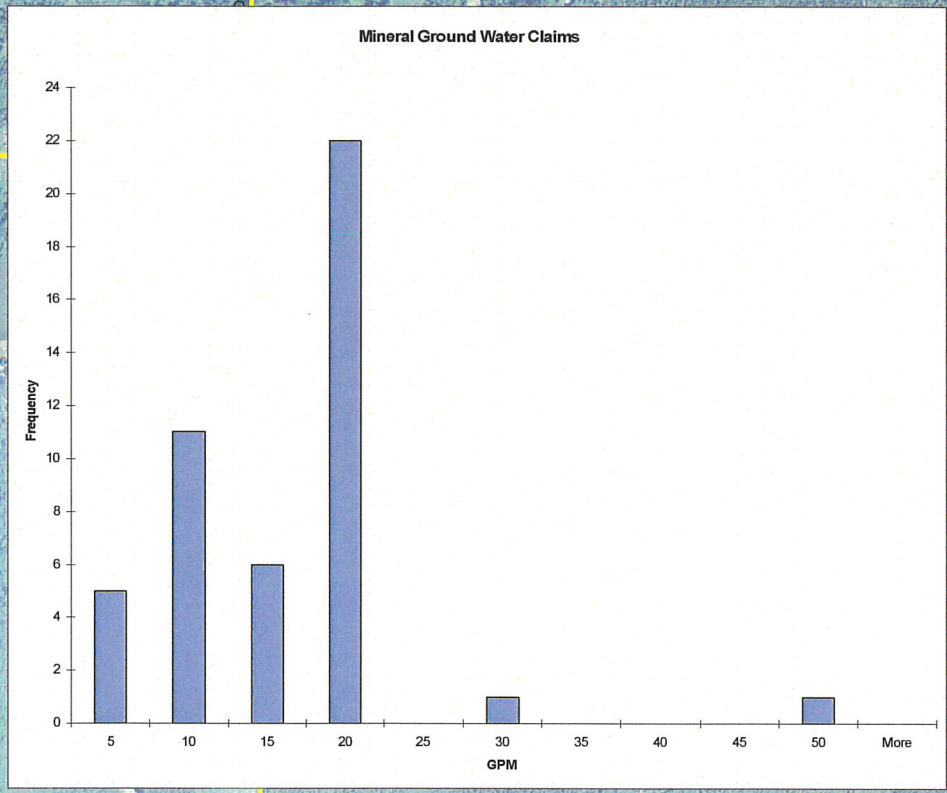
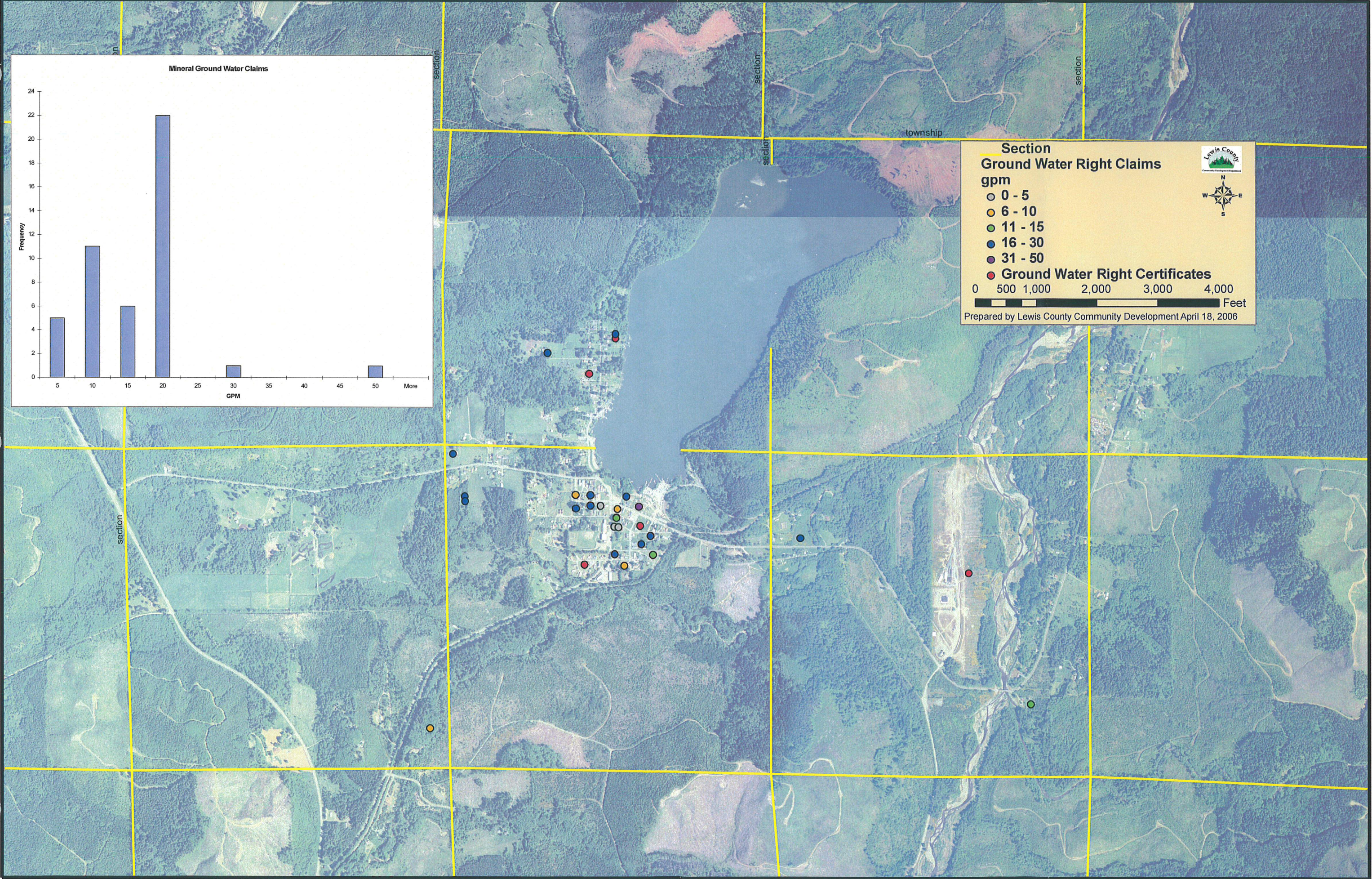
File #	Cert #	Person	Stat	Doc	Priority Dt	Purpose	Ql	UOM	Qa	Ir Acres	WRIA	County	TRS	QQ/Q	Src's	1stSrc	claim date	first use (mm-yy)	GPM	Pres. Used (GPM)	Ac/yr	Pres. Used (ac/yr)	cfs	Pres. Used (cfs)	time/yr/used	POD Legal	Use Legal	TPN	
08611CL		BENTON ROBERT S	A	Claim L		ST,IR		GPM		0.5	11	LEWIS	14.0N 05.0E 04		1	WELL	01-21-75	1924	20	20	3	3			continuously	700 feet west and 1000 feet north from the south 1/4 corner of section 4 being with NE 1/4 SE 1/4 SW 1/4 of section 4 T14N R5E	that portion of government lot 7 section 4 T14N R5E described as follows: Beginning at a stone monument in lot 7, which is 1261.8 feet north and 2583.2 feet east of the SW corner of said section; thence in a southerly direction 349 feet to the point of beginning; thence west 400 feet; thence north 90 feet; thence east 400 feet; thence south 90 feet to the point of beginning. EXCEPT roads. ALSO a portion of government lot 7, section 4 T14N R5E described as follows: beginning at the SW corner of said section; thence east 1930 feet; thence north 690 feet, which is the point of beginning of this description; thence north 630 feet; thence east 202 feet; thence south 660 feet; thence west 142 feet; thence north 30 feet; thence west 60 feet to the point of beginning, EXCEPT any portion thereof contained in the following: starting at the quarter post which is in Mineral Lake on the south line of section 4 T14N R5E and running thence north 660 feet; thence east to the meander line of mineral lake; thence west 544 feet, which is the point of beginning; thence north 142 feet; thence west 400 feet, more or less to the point of beginning. ALSO EXCEPT that portion, if any, contained		
S2-108405CL		SUTHERLAND GUY	A	Claim L		IR,DG		CFS			11	LEWIS	14.0N 05.0E 09		1	SPRING													
G2-091738CL		ROBERTSON M J	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
G2-090588CL		WITTWER KATHERINE A	A	Claim S		ST,IR		GPM			11	LEWIS	14.0N 05.0E 04		1														
G2-088025CL		SUTER RICHARD J.	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL	11-06-74	12-67	13	13	1	1			continuously	Section 9 T14N R5E; Lot 1 block 3 of Mineral Lake Lumber Co. Addition	SE 1/4 NE 1/4 Section 9 T14N R5E	011138001000	
G2-087358CL		NILSSON ERIC A.	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL	11-04-74	01-23	10	10						60 feet from Short Street Section 9 T14N R5E	Lots 10, 11, 12, & 13, Block 3 of Allstrand's addition, Mineral, Lewis County	011208001000	
G2-085610CL		METZGER EDITH	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
G2-083305CL		KINGSBURY REX R	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL	10-28-74	09-69	30							5 feet east and 15 feet S from the SE corner of lot 1, Section 9 T14N R5E; Lot 1 Block 1 Mineral Lake Lumber Co. First Addition to Mineral	Lots 1, 2, 3, and 4 Block 1 Mineral Lake Lumber Co. First Addition to Mineral	011123002000	
G2-082762CL		WHEELER WELLES W	A	Claim L		DG		GPM		0.5	11	LEWIS	14.0N 05.0E 09		1	WELL	10-10-74	04-50	20	20	3	3			continuously	440 feet west and 930 feet south from the north quarter corner of section 9 being within SE 1/4 NE 1/4 NW 1/4 of section 9 T14N R5E; Lot 2 block 3 of Allstrand's addition	SE 1/4 NE 1/4 NW 1/4 of section 9 T14N R5E	011198001000	
G2-081256CL		BICKFORD IVAN	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 04		1	WELL	10-03-74	03-74	10							continuously	Section 4 T14N R5E	beginning at a stone monument in lot 7, said monument being 1261.8 feet north and 2583.2 feet east from the SW corner of Section 4 T14N R5E; thence in a southerly direction along the county road 237 feet, which is the point of beginning; thence east 338 feet more or less to the meander line Mineral Lake; thence in a southerly direction 147.6 feet; thence west 236 feet; thence north along the county road 147.6 feet to the point of beginning, all in lot 7, tax lot 10 section 4 T14N R5E	
G2-076695CL		RAGSDALE LLOYD E.	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL	09-24-74	06-34	10	10	1	1			apr - sept	160 feet south and 155 feet east from the NW corner of section 9 being within NE 1/4 NW 1/4 section 9 T14N R5E	1 acre tax lot 7 part 3		
G2-076244CL		BROWN EDWIN D.	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
74347CL		MCNEELEY HOWARD G.	A	Claim S		ST,DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
74836CL		ZYSSET FRED	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
071999CL		MILLER BERNARD	A	Claim S		DG		CFS			11	LEWIS	14.0N 05.0E 08		1	SPRING													
G2-072108CL		PENNINGTON DONALD	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
S2-069086CL		EVANS HAROLD H.	A	Claim L		DG		CFS			11	LEWIS	14.0N 05.0E 10		1	MINERAL CREEK	06-28-74	05-46											
G2-068431CL		LEWIS JERROLD D.	A	Claim L		ST,DG		GPM			11	LEWIS	14.0N 05.0E 10		1	WELL	06-26-74	1935	15	0	1.5	0			not at present	500 feet east and 249 feet south of the the NW corner of property, Section 10, T14N R5E	Really located in Lewis County; locate at the NE 1/4 of Section 10 T14N R5E, approximately five acres as follows: The NE 1/4 NE 1/4 and the north 169 feet of the southeast 1/4 of the NE 1/4 west of road....?		
G2-064866CL		MOORE LEE G.	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 08		1	WELL	05-26-74	1930	5	0	1	0				2 1/2 feet west and 45 north from south ? Corner of section 8 being within ?? Section 8 T14N R5E	Beginning at the south 1/4 corner of Section 8 T14 R5E. Thence East 323.5 feet to the westerly R/W line of the P.S.H. #5; thence North 24 West 508.6 feet along said R/W line. Thence south 58*30' west 137.0 feet to the center line of Section 8; Thence south along said center line 392.6 feet to the point of beginning; 2.24 acres		
G2-064960CL		CHRISTIANSON ORVIN	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
G2-054383CL		BISSON THEODORE J.	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
S2-053704CL		BEVAN WILLIE	A	Claim S		DG		CFS			11	LEWIS	14.0N 05.0E 04		1	MINERAL LAKE													
G2-053937CL		HOLGATE GARY D.	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 08		1														
G2-051933CL		PAGE WILLIAM E.	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
G2-051934CL		PAGE WILLIAM E.	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
S2-050938CL		SOKOL GEORGE	A	Claim S		ST,DG		CFS			11	LEWIS	14.0N 05.0E 08		1	STREAM													
G2-049996CL		SMITH LARRY F.	A	Claim S		ST,DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
G2-049996CL		SMITH LARRY F.	A	Claim S		ST,DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
G2-050186CL		BICKFORD ILDA	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
G2-048508CL		KROLczyk JOSEPH	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
S2-04780CL		SOKOL MARGARET B.	A	Claim S		DG		CFS			11	LEWIS	14.0N 05.0E 08		1	SPRING													
G2-04781CL		MINERAL PRESBYTERIAN	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
S2-045241CL		SOKOL MARGARET B.	A	Claim S		ST		CFS			11	LEWIS	14.0N 05.0E 08		1	STREAM													
S2-045242CL		SOKOL GEORGE	A	Claim S		ST,DG		CFS			11	LEWIS	14.0N 05.0E 08		1	SPRING													
G2-043316CL		LODEN ERNEST	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 04		1	WELL	12-10-73	1939	5	5	1	0			continuously	300 feet North and 780 feet East from the SW corner of Governemtn lot 7 Section 4 T14N R5E	Beginning at a point 660 feet East and 225 feet north of the Southwest corner of lot 7 in Section 4, T14N R5E; thence north 40 feet; thence east 200 feet; thence north 84 feet; thence east 400 feet, more or less, to the meander line of Mineral Lake; thence south along the meander line of said mineral lake to a point 225 feet north of the south line of said section 4; thence west 405 feet, more or less, to the place of beginning		
G2-042168CL		CLAYTON EARL	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1	WELL													
G2-040778CL		TRUITT LOUIS F.	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
G2-040979CL		TAYLOR ROBERT	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
G2-039701CL		SWEAZY MICKEL W.	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
G2-040409CL		SUTER FRANK	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
G2-040410CL		SUTER FRANK	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
G2-040411CL		SUTER FRANK	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														
S2-036842CL		BRECKENRIDGE RICHARD F.	A	Claim S		DG		CFS			11	LEWIS	14.0N 05.0E 04		1	MINERAL LAKE													
S2-036843CL		BRECKENRIDGE CHARLES G.	A	Claim S		DG		CFS			11	LEWIS	14.0N 05.0E 04		1	MINERAL LAKE													
S2-036844CL		BRECKENRIDGE CHARLES G.	A	Claim S		DG		CFS			11	LEWIS	14.0N 05.0E 04		1	MINERAL LAKE													
G2-036845CL		BRECKENRIDGE RICHARD F.	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 04		1														
G2-031413CL		HUBBARD EVERETT	A	Claim S		DG		GPM			11	LEWIS	14.0N 05.0E 09		1														

Water Right Tracking System
Department of Ecology
WR Document List Sorted By Priority Date Report

File #	Cert #	Person	Stat	Doc	Priority Dt	Purpose	QI	UOM	Qa	Ir Acres	WRIA	County	TRS	QQ/Q	Src's	1stSrc	claim date	first use (mm-yy)	GPM	Pres. Used (GPM)	Ac/yr	Pres. Used (ac/yr)	cfs	Pres. Used (cfs)	time/yr/used	POD Legal	Use Legal	TPN
00663CL		STAMPER BERN	A	Claim L		ST,IR		GPM		0.5	11	LEWIS	14.0N 05.0E 04		1		06-26-73	06-68	20	20	3	3			continuously	900 feet east and 1400 feet south from the North 1/4 corner of section 4 being with N1/2 NE1/4 SW1/4 NE1/4 of section 4 T14N R5E	beginning at the NE corner of lot 2 of block 2 of mineral townsite; thence east 170 feet along Main street for a point of beginning; thence east 47 feet; more or less to a point that is 167 feet more less west of the NE corner of block 2; thence south 90 feet more less to Washington street; thence southwesterly along Washington street 50; thence north 110 feet to point of beginning.	
G2-030466CL		KUHL WILLIAM H.	A	Claim L		DG		GPM		0.5	11	LEWIS	14.0N 05.0E 09		1		06-21-73	08-67	20	20	3	3			all year domestic irrigation may-sept	1100 feet north and 300 feet east from the center of section 9 being within NW1/4 SW1/4 NE1/4 of Section 9 T14N R5E, lot 15 block 1 of Mineral Lake Lumber Company's first addition to Mineral Wa.	Lots 16, 17, & 22 Block 1 of Mineral Lake Lumber Company's First Addition to Mineral in the NW1/4 SW1/4 NE1/4 of Section 9 T14N R5E	011131000000
G2-029459CL		ROWE VICTOR G.	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1		06-07-73	05-08	13	13	1	1			continuously	Lot 10, Block 5, Townsite of Mineral Lewis County	Lot 10, Block 5, Townsite of Mineral Lewis County	011111001000
G2-029460CL		ROWE VICTOR G.	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1		06-07-73	05-08	13	13	1	1			continuously	Lot 8, Block 5, Townsite of Mineral Lewis County	Lot 8, Block 5, Townsite of Mineral Lewis County	011111001000
G2-029461CL		ROWE VICTOR G.	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1													
G2-028439CL		LILLOREN ORVILLE	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1		05-21-73	06-66	20	20	3	3			continuously	600 feet west and 100 feet south from the north 1/4 corner of section 9 being with NE1/4 NE1/4 NW1/4 Section 9 T14N R5E	part of government lot 3, in section 9 T14N R5E, described as follows: beginning at a point on the west boundary of mineral road no 585, 60 feet south of the intersection being 100 feet of the meander stake on said north line marking the west shore of mineral lake; thence south along said road 60 feet thence west 200 feet; thence north 60 feet; thence east 200 feet to the place of beginning.	
G2-028440CL		LILLOREN ORVILLE	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 04		1		05-21-73	06-45	20	20	3	3			continuously	540 feet west and 1100 feet south from the center of section 4 being with SE1/4 NE1/4 SW1/4 of section 4 T14N R5E	SE1/4 NE1/4 SW1/4 of section 4 T14N R5E	037039000000
G2-028676CL		BEVAN WILLIE	A	Claim L		ST,DG		GPM		0.5	11	LEWIS	14.0N 05.0E 04		1		05-29-73	06-60	20	20	3	3			continuously	1310 feet south and 200 feet west from the center of Section 4 being within SE1/4 NE1/4 SW1/4 of Section 4 T14N R5E	part of lot 7 in section 4 T14N R5E. Beginning at the stone monument in lot sever, being 2583.2 feet east and 1281.8 feet north of the southwest corner of section 4; thence north 89°30' east 363 feet to the Meander line of mineral lake; thence along the meander line of said lake southerly fifty feet; thence south 89°30' west 363 feet thence in a northerly direction 50 feet to the point of beginning	
G2-027904CL		LYDAY JOHN F.	A	Claim L		ST,DG		GPM		0.5	11	LEWIS	14.0N 05.0E 04		1		05-08-73	08-64	20	20	3	3			continuously	1100 feet west and 610 feet north from the south 1/4 of section 4 being with SW1/4 SE1/4 SW1/4 of Section 4 T14N R5E	SW1/4 SE1/4 SW1/4 Section 4 T14N R5E	
G2-028172CL		HILL WILLIAM L.	A	Claim L		ST,IR		GPM		0.5	11	LEWIS	14.0N 05.0E 09		1		05-14-73	06-13	20	20	3	3			continuously	1300 feet south and 600 feet west from the north 1/4 corner of section 9 being within SE1/4 NE1/4 NW1/4 of Section 9 T14N R5E	SE1/4 NE1/4 NW1/4 of Section 9 T14N R5E	
G2-027215CL		STAMPER LLOYD	A	Claim L		ST,DG		GPM		0.5	11	LEWIS	14.0N 05.0E 09		1		04-25-73	06-1966	20	20	3	3			continuously	250 feet south and 230 feet east from the northwest corner of section 9 being within NW1/4 NW1/4 NW 1/4 of Section 9 T14N R5E	NW1/4 NW1/4 NW1/4 of Section 9 T14N R5E	037164000000
025972CL		JACOBI MELVIN	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 10		1		04-02-73	07-63	10	10	16				all year	440 feet east and 164 feet south from the 1/8 post marking the NW corner of the SW1/4 of the NW1/4 section 10 being within NW1/4 SW1/4 of section 10 T14N R5E	beginning at the 1/8 post marking the NW corner of SW1/4 NW1/4 Section 10, T14N R5E; thence east along the south side of the Mineral creek road a distance of 673.4 feet; thence south along the round top creek a distance of 172 ft; thence west along the north side of the county road a distance of 665 ft; thence north a distance of 353.6 ft to the point of beginning.	
G2-016768CL		BOYD ERNEST E.	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1		06-15-72	10-1966	20	10	2	2			continuously	1376 feet west and 1200 feet north from the E1/4 corner of section 9 being within NE1/4 SW1/4 NE1/4 Section 9 T14N R5E	NE1/4 SW1/4 NE1/4 Section 9 T14N R5E	
G2-016767CL		LOCKHART MAUDE	A	Claim L		DG		GPM		0.5	11	LEWIS	14.0N 05.0E 10		1		08-15-72	06-14	20	20	3	3			domestic; continuous irrigation; may - oct	575 feet east and 1000 feet north from the west 1/4 section 10 being with NW1/4 SW1/4 NW1/4 section 10 T14N R5E	NW1/4 SW1/4 NW1/4 Section 10 T14N R5E	037194001000
G2-015588CL		BICKFORD DOUGLAS J.	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 04		1		07-12-72	05-1968	4.5		1	1	0.01	0.01	all year	120 feet east and 1095 feet south from the center of section 4 being with NW1/4 SE1/4 of Section 4 T14N R5E	The north 165 feet of the following described land: Beginning at the Government meander corner at the southeast corner of lot 7 of Section 4, T14N R5E, thence running north 71° 32' west 142.20 feet; thence north 14°41' east 836.9 feet; thence north 1°35' east 385.8 feet to a stone monument and true plane of beginning. Thence running north 1°3' west 300 feet to a stone monument; thence N 88°57' east 358 feet, more or less, to the meander line of Mineral lake; thence southerly along said meander line to a point N 88°57' of the true plane of beginning; thence south 88°57' west 334, more or less to true plane of beginning, being part of lots 6 and 7 of said section.	
S2-014678CL		BICKFORD DOUGLAS J.	A	Claim L		IR,DG		CFS			11	LEWIS	14.0N 05.0E 04		1													
G2-011709CL		PETERSEN ALICE M.	A	Claim L		DG		GPM		0.25	11	LEWIS	14.0N 05.0E 09		1		04-25-72	summer 1905	4.95	5	2	2	0.011		irrigation april-oct domestic continuously	1300 feet south and 40 feet east from the north 1/4 corner of section 9 being with part SW1/4 NW1/4 NE1/4 of Section 9 T14N R5E	Beginning at SW corner block 6 mineral, wa.; thence east 25 feet to point of beginning; thence east 61.9 feet; thence north 55 feet to grant ave; thence in a westerly direction along Grant ave 30 feet; thence southerly 84 feet to true place of beginning	011117000000
G2-009777CL		TOWE MARTIN	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 04		1		03-24-72	03-62	15	400 g/day	2	0			all year	65 feet from east side 45 feet from the northeast corner of tract doleser below being with SW1/4 of Section 4 T14N R5E	beginning 716 feet east of the southwest corner of section 4 T14NR5E; thence 130 feet; thence north 120 feet; thence west 170 feet; thence south 106 feet; thence east 40 feet; thence south 14 feet to the point of beginning	
G2-009881CL		KELLY LLOYD R.	A	Claim L		DG		GPM		0.25	11	LEWIS	14.0N 05.0E 09		1		03-28-72	summer 1908	4.95	5	2	2	0.011		irrigation april-oct domestic continuously	1370 feet south and 40 feet east from the north 1/4 corner of section 9 being with part SW1/4 NW 1/4 NE1/4 of section 9 T14N R5E	Beginning at the east point of block six in the official plat Mineral Lewis County; thence north westerly along grant ave 65 feet to the true point of beginning; thence continue north west along Grant ave 110 feet more or less to a point with 100 feet of the county road; thence south 65 feet more or less to the south line of said block thence east to a point 65 feet west of the east corner of said block, thence north to point of beginning.	011116000000
G2-009891CL		MADDEN DENNY	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1		03-28-72	05-66	20		1-2				all year	45 feet east and 20 feet south from the NE corner of Lot 7, within Section 9 T14N R5E	Lots 5, 6, & 7 Block 1 Mineral Lake Lumber Company's First Addition to Mineral Wa; Beginning at the NE Corner of Lot 1 Blk. 1 mineral townsite; thence east 75 feet to the point of beginning; thence east 50 feet along main st; thence south 130 feet; thence in a southwesterly direction 55 feet; thence 149 to the point of beginning; all in the original townsite of mineral.	011124001000
010184CL		SPENCER ROBERT	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1		03-31-72	05-71	20	5-10	1				all year	Section 9 T14N R5E	Lots 4, 5, & 6 Block 5, Mineral lake lumber Company's first addition to mineral Lewis County Washington	011157001000
007114CL		SCHABEL BERTRAND	A	Claim L		IR		CFS			11	LEWIS	14.0N 05.0E 04		1													

Water Right Tracking System
 Department of Ecology
 WR Document List Sorted By Priority Date Report

File #	Cert #	Person	Stat	Doc	Priority Dt	Purpose	QI	UOM	Qa	Ir Acres	WRIA	County	TRS	QQ/Q	Src's	1stSrc	claim date	first use (mm-yy)	GPM	Pres. Used (GPM)	Ac/yr	Pres. Used (ac/yr)	cfs	Pres. Used (cfs)	timely/used	POD Legal	Use Legal	TPN
07115CL		SCHABEL BERTRAND	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 04		1		12-20-71	11-43	10	3	1	1			continuously	2177 feet east and 407 feet north from the SW corner of Section 4 being within SE 1/4 SW 1/4 of section 4 T14N R5E	beginning at the SW corner of section 4 T14N R5E; thence e 1980 feet; thence north 345 feet, which is the beginning of this description; thence north 135 feet; thence east 350 feet more or less to the meander line of Mineral Lake; thence in a south westerly direction along meander line of lake 135 feet more or less; thence west 300 feet, more or less to the point of beginning. all in section 4 T14N R5E	
G2-008129CL		KROLCZYK JOSEPH	A	Claim L		IR,DG		GPM		.5	11	LEWIS	14.0N 05.0E 04		1		10-15-71	11-67	10	2	2	1			all twelve months	836 feet north and 2477 feet east from the southwest corner of section 4 being within SW 1/4 of section 4 T14N R5E	Beginning at a stone monument on Government Lot 7, Section 4, T14N R5E, which is 1261.8 feet north and 2583.2 feet east of the SW corner of said Section 4; thence in a southerly direction 359 feet which is the point of beginning; thence south 50 feet; thence west 400 feet more or less, thence north 50 feet; thence east 400 feet, more or less, the point of beginning; EXCEPTING THEREFROM the National Park Highway Beginning at a stone monument on Government Lot 7, Section 4, T14N R5E, which is 1261.8 feet north and 2583.2 feet east of the SW corner of said Section 4; thence in a southerly direction 359 feet which is the point of beginning; thence south 10 feet; thence west 400 feet more or less; thence north 10 feet; thence east 400 feet more or less to the point of beginning; Excepting therefrom such part thereof as may be included in the National Park Highway, the described real property is a portion of the tract known as tax lot 9 on the assessor's records of Lewis County. eginning at a stone monument on Government Lot 7, Section 4, T14N R5E, which is 1261.8 feet north and 2583.2 feet east of the SW corner of said Section	
G2-003289CL		WILSON WILLIAM	A	Claim L		DG		GPM			11	LEWIS	14.0N 05.0E 09		1	well 64 feet	03-19-71	10-85	50	25	10	5			continuously	tough to read, TPN from map provided	tough to read; enumerates 5 properties including post office.	011122001000
S2-98003610CL		WITTWER KATHERINE	I	Claim		DG		CFS			11	LEWIS	14.0N 05.0E 04		1	UNNAMED SPRING												
S2-00008AWRIS		Tacoma City	I	NewApp	07/02/1917	MU	200	CFS			11	LEWIS	14.0N 05.0E 10		1	MINERAL CREEK												
R2-00052AWRIS		Tacoma City	I	NewApp	07/02/1917	PO	0	CFS	8200		11	LEWIS	14.0N 05.0E 09		1	MINERAL CREEK												
S2-17828CWRIS	9095	UMSTOTT G W	A	Cert	04/03/1963	RE	0.25	CFS			11	LEWIS	14.0N 05.0E 09		1	MUD CREEK												
S2-18901CWRIS	9538	SI Regis Paper Co	A	Cert	03/03/1965	FR	2.2	CFS	60		11	LEWIS	14.0N 05.0E 10		1	MINERAL CREEK												
S2-19238PWRIS		WAGNER & BARTLE	I	Pmt	09/03/1965	IR	0.05	CFS	10	5	11	LEWIS	14.0N 05.0E 10		1	MINERAL CREEK												
G2-08073CWRIS	5607	SI Regis Paper Co	A	Cert	05/05/1966	DM	60	GPM	2		11	LEWIS	14.0N 05.0E 10		1	WELL												
S2-22077CWRIS		BRECKENRIDGE RICHARD	A	Cert	03/20/1974	IR	0.02	CFS	0.5	0.25	11	LEWIS	14.0N 05.0E 04		1	MINERAL LAKE												
G2-23079CWRIS		NILSON RONALD N	A	Cert	08/19/1974	DM	60	GPM	2		11	LEWIS	14.0N 05.0E 04		1	WELL												
G2-24286CWRIS		SMITH LARRY	A	Cert	09/10/1976	DM	60	GPM	10		11	LEWIS	14.0N 05.0E 09		1	WELL												
G2-25885CWRIS		KROLCZYK JOSEPH ETUX	A	Cert	04/14/1981	DS	10	GPM	1		11	LEWIS	14.0N 05.0E 04		1	WELL												
G2-26015CWRIS		MCKELVEY DEAN ET UX	A	Cert	09/29/1981	DM	80	GPM	8		11	LEWIS	14.0N 05.0E 09		1	WELL												
S2-29052		EMMONS MICHAEL	A	NewApp	05/26/1994	IR,DM	0.2	CFS		6	11	LEWIS	14.0N 05.0E 08		1	UNNAMED SPRING												
G2-29051		Emmons Michael	I	NewApp	05/26/1994	IR,DM	53	GPM		6	11	LEWIS	14.0N 05.0E 08		1	WELL												
G2-30133		Mineral Lions Den Water System	A	NewApp	06/10/2003	DM	20	GPM	1.17		11	LEWIS	14.0N 05.0E 09		1													
TOTAL RECORDS:	116																											
SELECTION CRITERIA																												
Region	Southwest																											
County	LEWIS																											
TRS	DE 08, 14, 0N 05.0E 09, 14, 0N 05.0E 10																											



Section

Ground Water Right Claims

gpm

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 30
- 31 - 50
- Ground Water Right Certificates

0 500 1,000 2,000 3,000 4,000 Feet

Prepared by Lewis County Community Development April 18, 2006



STATE OF WASHINGTON
DEPARTMENT OF HEALTH

SOUTHWEST DRINKING WATER OPERATIONS
2411 Pacific Avenue • PO Box 47823 • Olympia, Washington 98504-7823
Tel: (360) 664-0768 • FAX: (360) 664-8058
TDD Relay Service: 1-800-833-6388

March 28, 2006

Tom Loranger
Department of Ecology
Southwest Regional Office
Post Office Box 47775
Olympia, Washington 98504-7775

Subject: Proposed Mineral Community Water System, Lewis County; Public Health
Emergency Processing of Water Right and/or Change Application

Dear Mr. Loranger:

I would like to bring to your attention a drinking water situation that the Department of Health (DOH) believes jeopardizes public health and meets the criteria for priority processing of water rights defined in WAC 173-152-050 (1) (b). Please accept this letter as ODW's certification that the situation described below meets the identified criteria.

Lewis County officials have been aware for some time of high levels of arsenic in private wells in the localized rural area known as Mineral, in east Lewis County. An assessment was conducted by Lewis County Environmental Health Department in the spring of 2004. That assessment revealed many single family wells contained arsenic levels above the federal drinking water standard of 10 ppb (parts per billion). Some wells contained over 50 ppb. In addition, the assessment also identified a number of hand dug wells providing water with bacterial contamination. Both arsenic contamination and hand dug wells are public health concerns to Lewis County and to DOH. The recent sale of the Mineral school property has provided an opportunity for the County to facilitate formation of a community water system with a safe supply of drinking water.

Long-term exposure to arsenic in drinking water has been linked to cardiovascular disease, diabetes mellitus, skin changes, nervous system damage, and various forms of cancer. The residents of the affected wells have been using bottled water since they became aware of the problem. There are no public water systems near the area that can provide an uncontaminated alternative water supply.

Tom Loranger
March 28, 2006
Page 2

In February 2006, Lewis County Public Works received a State Revolving Fund Grant from DOH to evaluate alternative water supply options for the impacted residents.

DOH is requesting the Department of Ecology take the necessary actions to expedite the processing of water rights and/or water rights changes and transfers for Lewis County's effort in the Mineral area.

I appreciate your assistance with this matter. If you have any questions, please contact me at (360) 586-8733.

Sincerely,



DENISE LAHMANN, P.E.
Office of Drinking Water Regional Manager

cc: Sue Kennedy, Lewis County Environmental Health
Mark Cook, Lewis County Public Works
Deb Hunemuller, Ecology
Bill Liechty, ODW



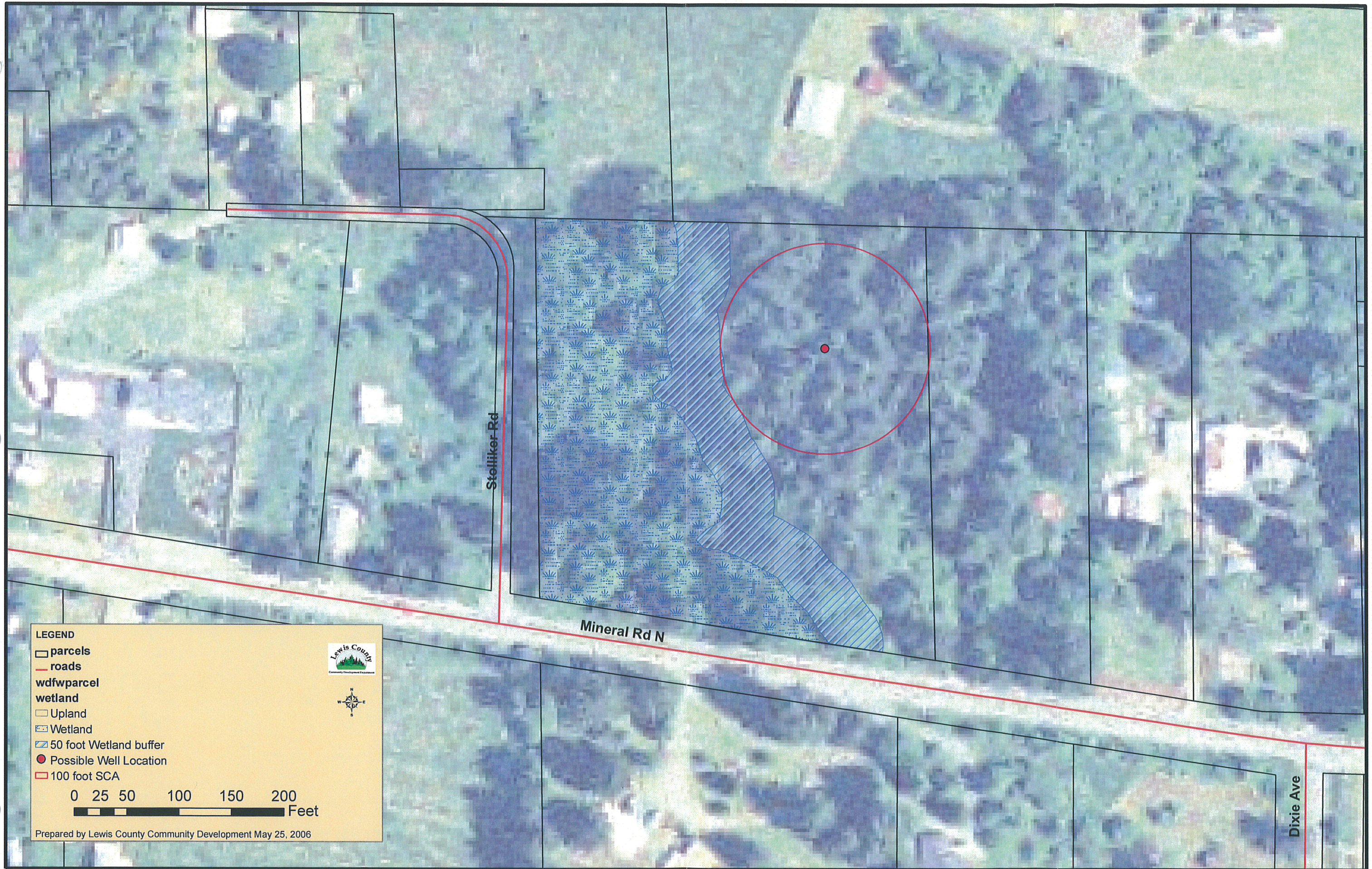
LEGEND

- parcels
- roads
- Possible Well Location
- 100 foot SCA

0250100150200
Feet

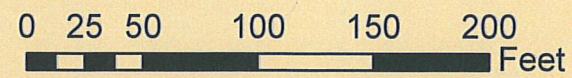
Prepared by Lewis County Community Development May 25, 2006



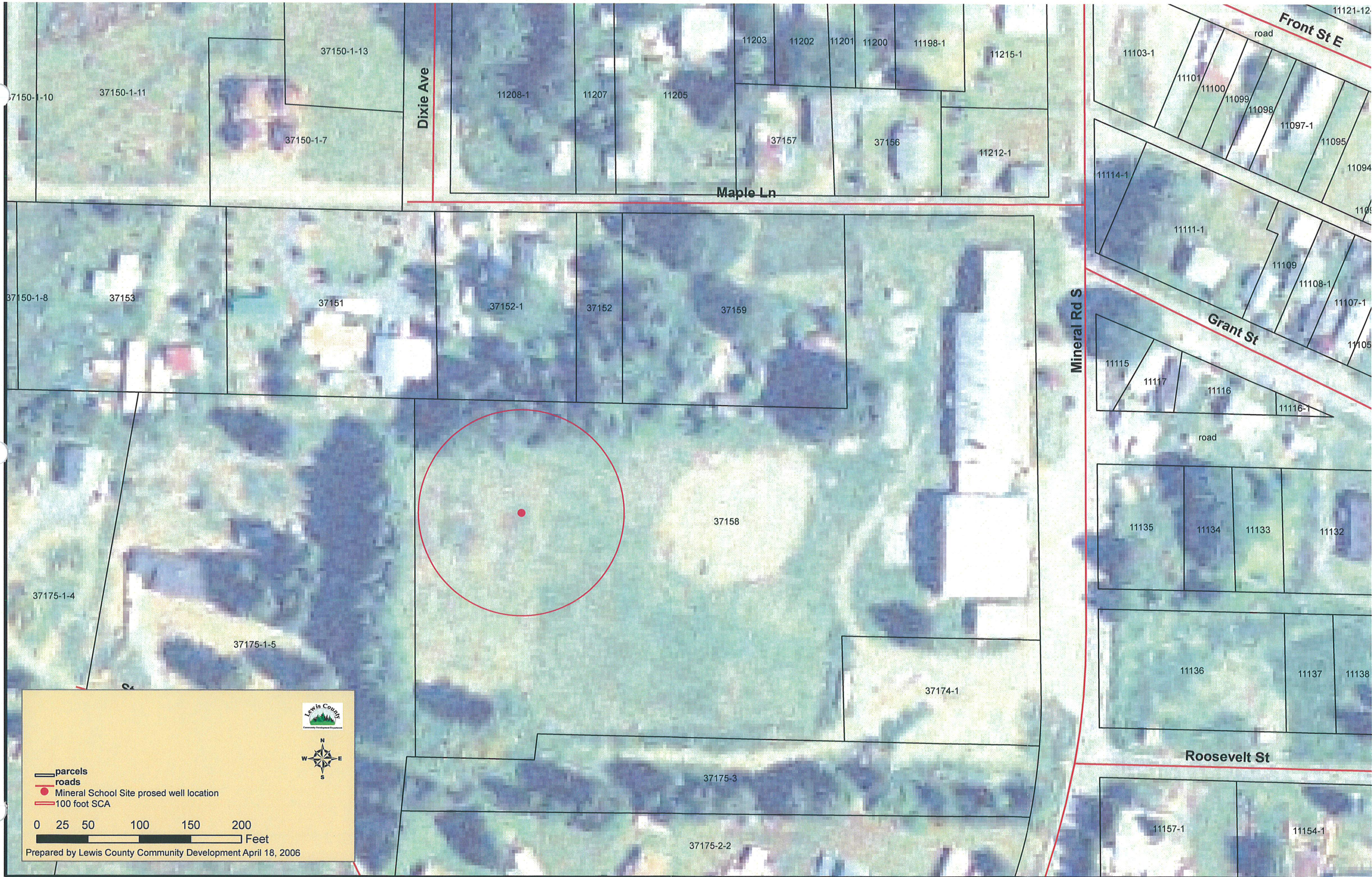


LEGEND

-  parcels
-  roads
- wdfwparcel**
- wetland**
-  Upland
-  Wetland
-  50 foot Wetland buffer
-  Possible Well Location
-  100 foot SCA



Prepared by Lewis County Community Development May 25, 2006



37150-1-10 37150-1-11

37150-1-13

37150-1-7

Dixie Ave

11208-1

11207

11205

11203

11202

11201

11200

11198-1

11215-1

Maple Ln

37157

37156

11212-1

37150-1-8

37153

37151

37152-1

37152

37159

Mineral Rd S

11111-1

11109

11108-1

11107-1

Grant St

11115

11117

11116

11116-1

road

11135

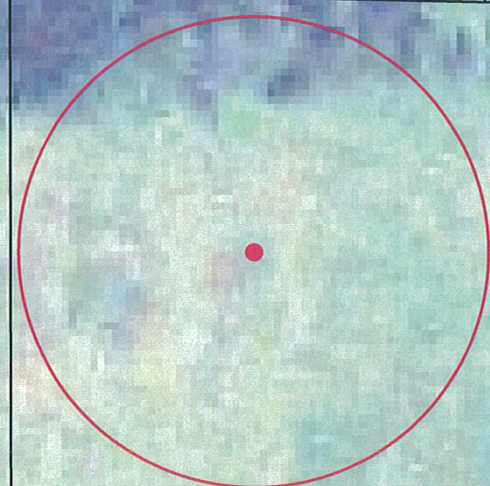
11134

11133

11132

37175-1-4

37175-1-5



37158

37174-1

11136

11137

11138

Roosevelt St

11157-1

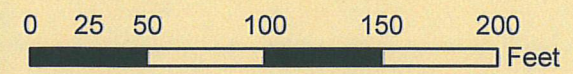
11154-1

37175-3

37175-2-2



- parcels
- roads
- Mineral School Site prosed well location
- 100 foot SCA



Prepared by Lewis County Community Development April 18, 2006

MOERKE & SONS PUMP & DRILLING, INC

1286 N.W. Maryland Avenue

Chehalis, WA 98532

(360) 748-3805

PUMP TEST

MINERAL EVENT CENTER

PO BOX 133

MINERAL, WA 98355

DATE: 10/17/06

Well Site Address: 114 S MINERAL RD, MINERAL

Well ID#: ALJ680

PUMP/Make & Model: 1.5HP GRUNDFOS

Pump Set At: 49'

SOUNDER / Make & Model: WATERLINE 500

METER / Make & Model: BADGER M-25

Measured in: CUBIC FEET

<u>MINUTES</u>	<u>GALLONS PER MINUTE</u>	<u>METER READING</u>	<u>LEVEL TO WATER</u>	<u>NOTES</u>
0:00:00	0.00	13873.68	37'8"	
0:01:00	27.15	13877.31	46'9"	
0:02:00	24.01	13880.52	47'11"	
0:03:00	27.45	13884.19	47'11"	
0:04:00	27.00	13887.80	47'11"	
0:05:00	27.07	13891.42	47'11"	
0:06:00	27.52	13895.10	47'11"	
0:07:00	27.75	13898.81	47'11"	
0:08:00	26.92	13902.41	47'11"	
0:09:00	26.85	13906.00	47'11"	
0:10:00	27.52	13909.68	47'11"	STABILIZED
0:11:00	27.30	13913.33	47'11"	
0:12:00	26.77	13916.91	47'11"	
0:13:00	26.92	13920.51	47'11"	
0:14:00	27.67	13924.21	47'11"	
0:15:00	26.85	13927.80	47'11"	
0:16:00	27.67	13931.50	47'11"	
0:17:00	26.47	13935.04	47'11"	
0:18:00	27.15	13938.67	47'11"	
0:19:00	27.15	13942.30	47'11"	
0:20:00	27.07	13945.92	47'11"	
0:25:00	27.16	13964.08	47'11"	
0:30:00	27.28	13982.32	47'11"	
0:35:00	27.28	14000.56	47'11"	
0:40:00	27.25	14018.78	47'11"	
0:45:00	27.25	14037.00	47'11"	
0:50:00	27.26	14055.22	47'11"	
0:55:00	27.34	14073.50	47'11"	
1:00:00	27.31	14091.76	47'11"	
1:05:00	27.33	14110.03	47'11"	
1:10:00	27.36	14128.32	47'11"	
1:15:00	27.36	14146.61	47'11"	
1:30:00	27.45	14201.67	47'11"	
1:45:00	27.43	14256.68	47'11"	
2:00:00	27.31	14311.46	47'11"	
2:30:00	27.22	14420.66	47'11"	

3:00:00	27.22	14529.86	47'11"
3:30:00	27.15	14638.76	47'11"
4:00:00	27.30	14748.26	47'11"
4:05:00	27.37	14766.56	47'11"

RECOVERY

0:01:00			38'8"
0:02:00			37'11"
0:03:00			37'8"
0:04:00			37'8"
0:05:00			37'8"

Signature: *Ken Beath*
Moerke & Sons Pump & Drilling, Inc.

**Table 3:
Comparison of Potential Test Well Sites**

Factor	WDFW Property	Former Mineral School Property
1) Location in reference to Hayden Creek Drift Aquifer	Located over the aquifer .25 miles from Moraine	Located over the aquifer proximate to the Moraine
2) Proximity to know Arsenic Presence	487'	506'
3) Projected capacity based on adjacent well information	unknown	27 to 50 gpm
4) Proximity to proposed service area and access	Located 650' from service area, no current access; will require wetland delineation, road development, and tree removal	Located in service area access already exists
5) Acreage of useable property	1.75 acres	1 to 2 acres depending on purchase
6) Property acquisition	Potentially no cost	Paid for thru hookups and water useage & subdivision cost
7) Sanitary Control Area and 600' WHPA	Pristine with little adjacent development	Pristine with some adjacent development

LEWIS COUNTY PUBLIC HEALTH & SOCIAL SERVICES



ENVIRONMENTAL HEALTH:

350 North Market Street
Chehalis WA 98532-1900
Phone: (360) 740-2718 * Fax: (360) 740-1245 * TDD: 740-1480

Kathleen M. Eussen, Director
Diana T. YU, M.D., M.S.P.H., Health Officer
Tony Barrett, R.S., Deputy Health Officer

Dear Property Owner,

April 13, 2006

As you are probably aware, the Lewis County Health Department recently completed a voluntary arsenic testing program in the Mineral Area. Although only 53 property owners participated in the study, it did allow the participants to evaluate their risk and make educated personal health decisions. Of the 53 wells and springs evaluated, 18 wells were above the acceptable 10 ppb Federal drinking water standard for arsenic. In addition to their test results, individual homeowners were provided with literature detailing the health risks associated with arsenic exposure, as well as possible treatment options.

Based on the results of the Arsenic Study, the Lewis County Board of County Commissioners directed staff to explore a community solution to the Mineral public health issue. Staff obtained a \$30,000 grant to conduct a Feasibility Study of developing a community water supply to service the Small Town Mixed Use Area (STMU) of Mineral. The STMU encompasses the area from the Mineral Lake Lodge, to the Lions Den, to the Mineral Mobile Home Park, and back to Dixie Avenue. (Receipt of this correspondence indicates you own property in the proposed service area.)

The Feasibility Study includes answering three major questions:

1. **Are there sufficient water rights available to allow adequate water withdrawal to service the area?**
2. **Is it possible to locate a well that would provide water of sufficient quality and quantity to meet the needs of the proposed area?** This means water without arsenic and of a quantity to meet fire demand and community needs.
3. **Is it possible to provide water to the service area at a rate the residents can afford and are willing to pay?**

There will be a Community Meeting on April 20, 2006 at the Mineral School at 7:00 PM to share our current findings. The school will be open and staff will be available starting at 6:30 so, come early to talk to us and review the maps and handouts.

This is your opportunity to receive accurate information and make an informed decision about the possibility of public water in Mineral. We cannot bring a public water supply to your town without your input and the support of the community.

Sue Kennedy RS
Environmental Health Specialist

If you are unable to attend this meeting please contact our office at 740-2691 or 740-2718. You may also fill out the attached survey and mail to Lewis County Environmental Health 350 N. Market Boulevard Chehalis, WA 98532. Surveys must be submitted by April 28, 2006.

Mineral Community Water Supply
Feasibility Survey

Name: _____

Tax Parcel # _____

Physical Address of Property _____
Street Address

If you are unable to attend the Community Meeting on April 20th at 7:00 at the Mineral School you may submit this survey reflecting your current position.

- I support Completion of the Feasibility Study of developing a community water supply to service the Small Town Mixed Use Area (STMU) of Mineral. This support does not obligate me to any future public water system connection.
- I do not support Completion of The Feasibility Study of developing a community water supply to service the Small Town Mixed Use Area (STMU) of Mineral.

Additional Comments: _____

Please submit by ~~April 28th~~ to: Lewis County Environmental Health
May 4th
scb
350 N. Market Boulevard
Chehalis, WA 98532.

Mineral Community Water Supply

Questions & Answers

April 20, 2006

Why is Lewis County pursuing a community water supply for Mineral?

The Board of County Commissioners is concerned about the potential health risks associated with the drinking water in Mineral. The concerns include arsenic presence, contaminated hand dug wells, and cased wells in close proximity to septic treatment systems.

If I own property in the area projected for community water supply, will I have to hook up?

The final boundary will be set by the Board of County Commissioners. Properties on the boundary may elect to not be included. Internal properties in the service boundary would likely require connection. Providing we move forward, this issue will be evaluated in greater detail.

I currently use a spring for my water. Will I have to connect to the water supply if my property is in the projected service area?

The final boundary will be set by the Board of County Commissioners. Properties on the boundary may elect to not be included. Internal properties in the service boundary would likely require connection. Providing we move forward, this issue will be evaluated in greater detail.

If I connect to the water supply, do I have to give up my well?

Yes. You will be required to disconnect from the well and it will be decommissioned.

How much does it cost to decommission a well?

It depends on type and depth, but a 6' cased well decommissioning may run around \$1500.00.

Who will pay for my well to be decommissioned?

Lewis County will be working with grant agencies and the Department of Ecology to "batch" well decommissioning to help defray the cost. The cost of decommissioning may be considered in the initial cost of the system.

Why can't I keep my well and just use it for irrigation?

Lewis County is negotiating with the Department of Ecology to obtain a permit to withdraw enough water to service the entire projected service area. One of the requirements is conversion of the current water allowance over to the water system to add to the withdrawal amount. This process requires the well be decommissioned.

What determined the projected boundary of the proposed community water supply?

Growth Management only allows the provision of community water to certain zoning designations. In Mineral, this is the Small Town Mixed Use and Small Town Industrial area. This is also the area where the greatest need has been identified. The designated boundary can be altered depending on community desires.

Does the service area have to be the entire Small Town Mixed Use and Small Town Industrial area?

No, it can be smaller. Generally, a small service area translates to a larger individual customer cost.

Mineral Community Water Supply Questions & Answers

Page 2 of 2

How much will it cost to connect to the water system?

Lewis County is not projecting any system connection costs at this time. Providing there is community interest to proceed, detailed cost estimates will be developed and shared with the community as the next step in the process.

How much will it cost each month for the public water?

Lewis County is not projecting any system connection costs at this time. Providing there is community interest to proceed, detailed cost estimates will be developed and shared with the community as the next step in the process.

How much water do I get for the base rate?

Approximately 360 gallons per day will be targeted initially as being provided at a base rate. Additional fees will be assessed for use above that allowance. The 360 gallons per day is believed to be an average for most homeowners.

How will the water utility be created?

State law allows for the formulation of a local improvement district (LID) by two means: county legislative authority (Commissioners order) or by 51% petition of local area land owners.

If I am included in an initial service area and do not want to be in, what can I do?

State law prescribes a protest procedure be followed for anyone who believes that they should not be included within the initial service area.

If the Mineral property owners elect not to proceed with an LID at this time, will it still be a possibility for the future?

Maybe. However, the 2006 feasibility analysis will no longer be valid. It is specific only to the current conditions including partnerships, grant money, support from the Board of County Commissioners, and availability of qualified staff.

I've heard the EPA standard is going up to 30 ppb for arsenic in drinking water. Is this true?

The standard is not changing. However, the EPA has proposed a rule change that would provide financial relief to small economically challenged systems by holding them to a less stringent standard.

What is the current level of Arsenic in my water supply that is safe?

No level of exposure to arsenic is perfectly safe. However there are EPA guidelines that balance economics and health risk. The current EPA standard for arsenic in drinking water in a Community Water Supply is 10 ppb.

If the feasibility scoping stops now what happens?

Lewis County will report current findings to the Washington State Department of Health and return the grant fund balance.

Mineral Community Water Supply
Feasibility Survey

Name: _____

Tax Parcel # _____

Physical Address of Property _____
Street Address

- I support Completion of the Feasibility Study of developing a community water supply to service the Small Town Mixed Use Area (STMU) of Mineral. This support does not obligate me to any future public water system connection.

- I do not support Completion of The Feasibility Study of developing a community water supply to service the Small Town Mixed Use Area (STMU) of Mineral.

- I am undecided on the decision to complete the Feasibility Study of developing a community water supply to service the Small Town Mixed Use Area (STMU).

Additional Comments: _____

Appendix A
Mineral Community Water Supply Feasibility Survey & Proposed Service Areas

Option 1:

Service to the Entire Small Town Mixed Use and the Small Town Industrial

Proposed Service Area: 87.54 acres

Number of Tax Parcels: 163 Lots of Record

Lots of Record	Survey Result	Acres of Land in Proposed Service Area	Percentage of Response by Lots of Record	Percentage of Response by Acreage
79	Unresponsive	38.35	48%	44%
4	Undecided	0.93	2%	1%
29	Do not complete feasibility	16.86	18 %	19%
51	Complete feasibility	31.40	31%	36%

Option 2:

Service to the Small Town Mixed Use and the Small Town Industrial with reduction at North End

Proposed Service Area: 75.42 acres

Number of Tax Parcels: 147 lots of record

Lots of Record	Survey Result	Acres of Land in Proposed Service Area	Percentage of Response by Lots of Record	Percentage of Response by Acreage
69	Unresponsive	31.77	47%	42%
4	Undecided	0.93	3%	1%
23	Do not complete feasibility	11.33	16%	15%
51	Complete feasibility	31.40	35%	42%

Option 3:

Service to the Small Town Mixed Use and the Small Town Industrial with reduction at North End and

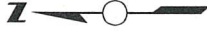
MHP Proposed Service Area: 69.91 acres

Number of Tax Parcels: 146 Lots of Record

Lots of Record	Survey Result	Acres of Land in Proposed Service Area	Percentage of Response by Lots of Record	Percentage of Response by Acreage
69	Unresponsive	31.77	47%	45%
4	Undecided	0.93	3%	1%
22	Do not complete feasibility	5.81	15%	8%
51	Complete feasibility	31.40	35%	45%

Proposed Community Water Supply Service Area

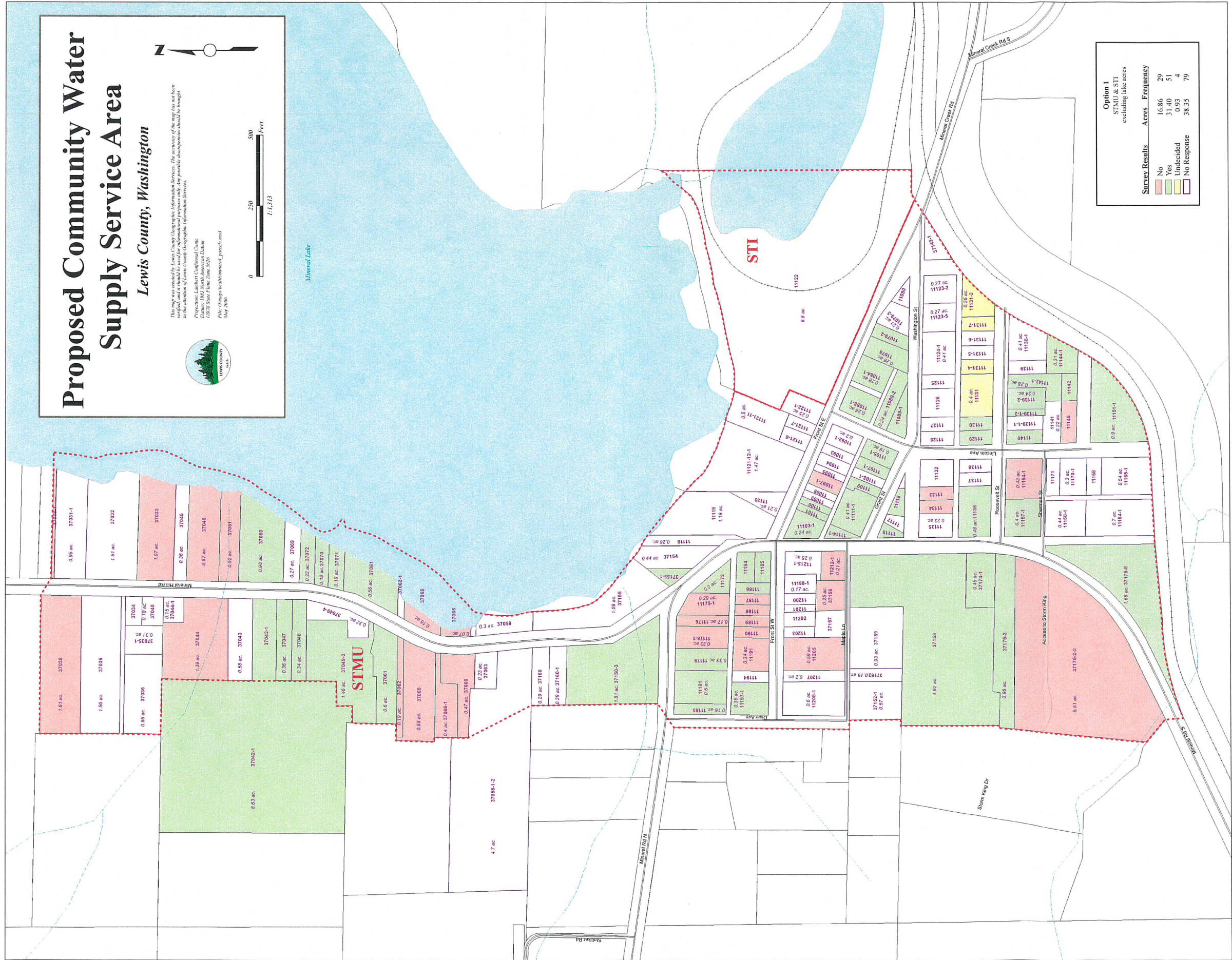
Lewis County, Washington



This map was created by Lewis County Geographic Information Services. The accuracy of the map has not been verified by Lewis County Geographic Information Services. It is provided as a general informational tool only.



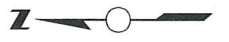
Projection: Lambert Conformal Conic
 Datum: 1983 North American Datum
 USGS State Plane Zone 5626
 File: D:\maps\health\mineral_jurisdiction.mxd
 May 2006



Option 1 STMU & STI excluding lake acres		
Survey Results	Acres	Frequency
No	16.86	29
Yes	31.40	51
Undecided	0.93	4
No Response	38.35	79

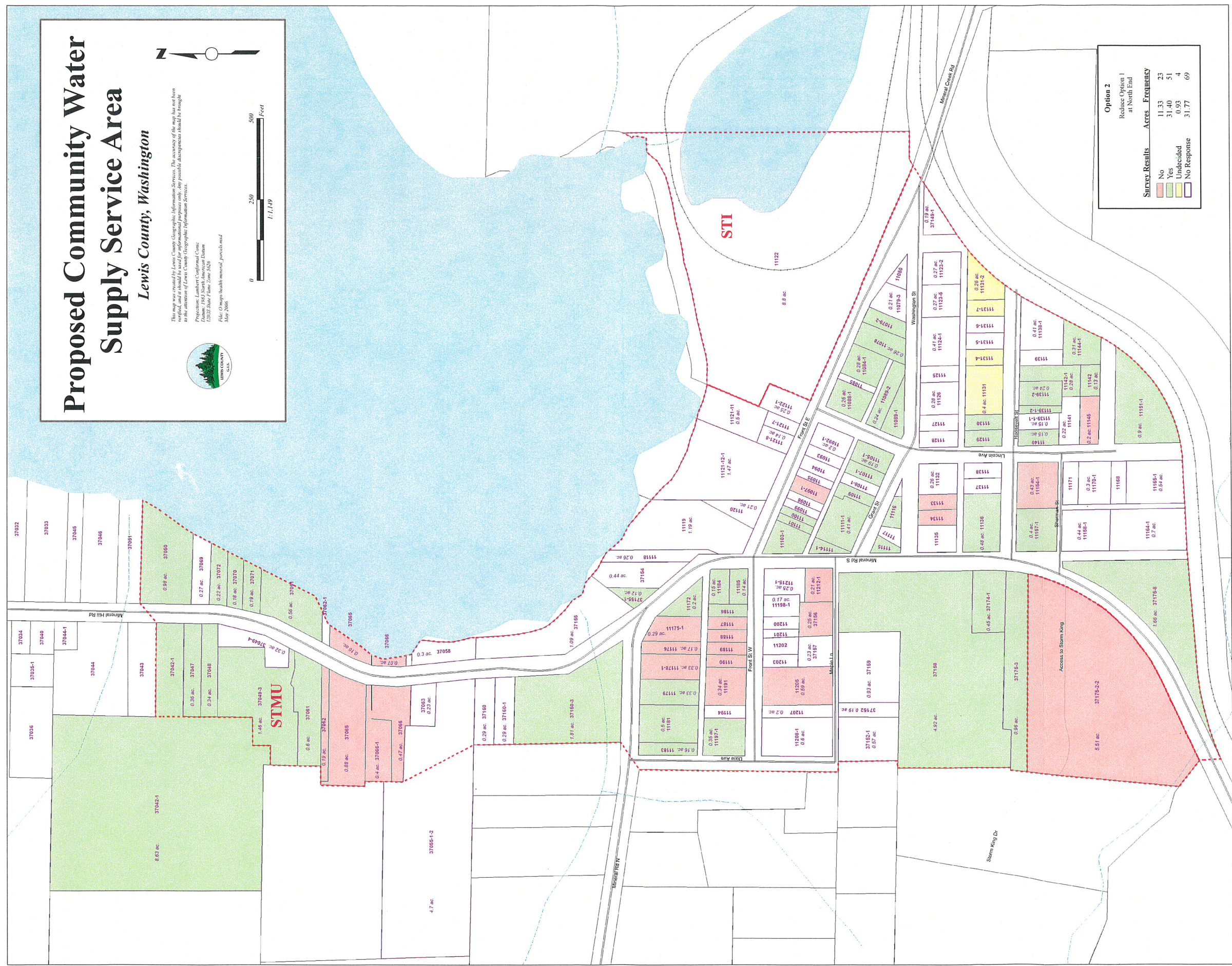
Proposed Community Water Supply Service Area

Lewis County, Washington



This map was created by Lewis County Geographic Information Services. The accuracy of the map was not been verified by Lewis County Geographic Information Services. Possible discrepancies should be brought to the attention of Lewis County Geographic Information Services.

Projection: Lambert Conformal Conic
Datum: 1983 North American Datum
USGS State Plane Zone 5026
File: O:\maps\health\municipal_parcels.mxd
May 2006



Survey Results	Acres	Frequency
No	11.33	23
Yes	31.40	51
Undecided	0.93	4
No Response	31.77	69

Option 2
Reduce Option 1 at North End

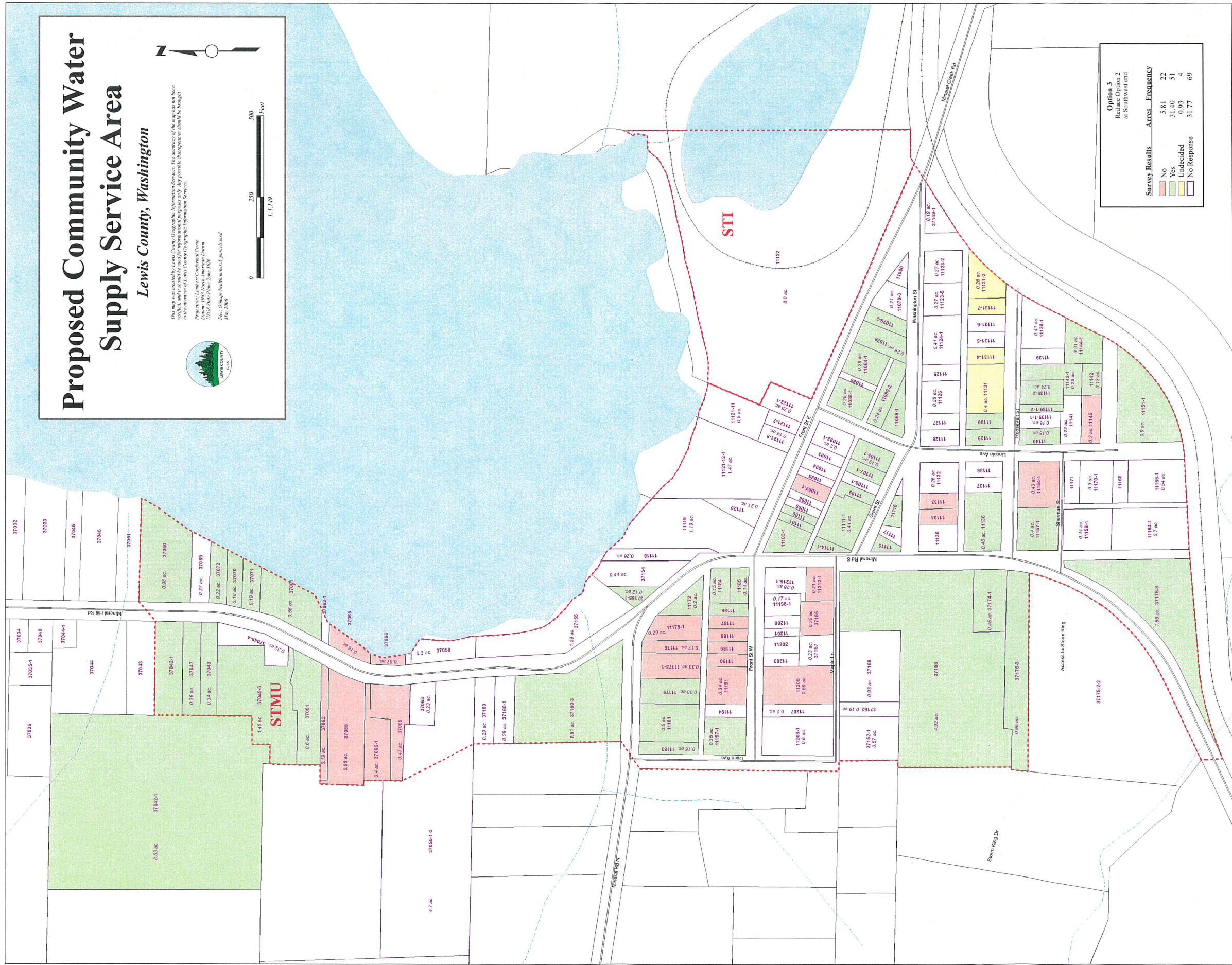
Proposed Community Water Supply Service Area

Lewis County, Washington



This map was prepared by Lewis County Geographic Information Services. The accuracy of the map has not been verified and it should be used for general information purposes only. Lewis County Geographic Information Services.

Program: Lewis County Geographic Information Services
 Datum: 1983 North American Datum
 USGS State Plane Zone 5626
 File: O:\map\health\mineral_parcels.mxd
 May 2006



Survey Results	Acres	Frequency
No	5.81	22
Yes	31.40	51
Undecided	0.93	4
No Response	31.77	69

Option 3
 Reduce Option 2
 at Southwest end

WARNING

Every person who signs this petition with any other than his or her true name, knowingly signs more than one of these petitions, signs this petition when he or she is not a resident or property owner in the Mineral area, or makes any false statement on this petition may be punished by fine or imprisonment or both.

PETITION FOR SUBMISSION TO THE LEWIS COUNTY COMMISSIONERS

We, the undersigned residents, and/or property owners of the area of Mineral area, Lewis County, Washington, respectfully make known that we are opposed to a public water or sewer district in the Mineral area, whether developed with federal, state, county or local taxpayer funds or any type of public grant taxpayer monies; and each of us for himself or herself says: I have personally signed this petition; I am at least 18 years old and a resident and/or land owner of the Mineral area, Lewis County, Washington, my residence and mailing address is correctly stated, and I have knowingly signed this petition only once.

#	DATE	PRINTED NAME	SIGNATURE	STREET ADDRESS	MAILING ADDRESS
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

I, _____, swear or affirm under penalty of law that I circulated this sheet of the foregoing petition, and that, to the best of my knowledge, every person who signed this sheet of the foregoing petition knowingly and without any compensation or promise of compensation willingly signed his or her true name and that the information provided therewith is true and correct. I further acknowledge that under chapter 29A.84 RCW, forgery of signatures on this petition constitutes a class C felony, and that offering any consideration or gratuity to any person to induce them to sign a petition is a gross misdemeanor, such violations being punishable by fine or imprisonment or both.

DATE: _____

SIGNED: _____

Appendix B
Mineral Community Water Supply: Results of Citizen Petition in Opposition to Water District
In Proposed Service Areas

Option 1:
Service to the Entire Small Town Mixed Use and the Small Town Industrial
 Proposed Service Area: 87.54 acres
 Number of Tax Parcels: 163 Lots of Record

Lots of Record	Petition Result	Acres of Land in Proposed Service Area	Percentage of Response by Lots of Record	Percentage of Response by Acreage
116	Did not Sign	50.76	71%	58%
47	Signed	36.78	29%	42%

Option 2:
Service to the Small Town Mixed Use and the Small Town Industrial with reduction at North End
 Proposed Service Area: 75.42 acres
 Number of Tax Parcels: 147 lots of record

Lots of Record	Petition Result	Acres of Land in Proposed Service Area	Percentage of Response by Lots of Record	Percentage of Response by Acreage
109	Did not Sign	46.22	74%	61%
38	Signed	29.2	26%	39%

Option 3:
Service to the Small Town Mixed Use and the Small Town Industrial with reduction at North End and MHP
 Proposed Service Area: 69.91 acres.
 Number of Tax Parcels: 146 Lots of Record

Lots of Record	Petition Result	Acres of Land in Proposed Service Area	Percentage of Response by Lots of Record	Percentage of Response by Acreage
109	Did not Sign	46.22	75%	66%
37	Signed	23.69	25%	34%

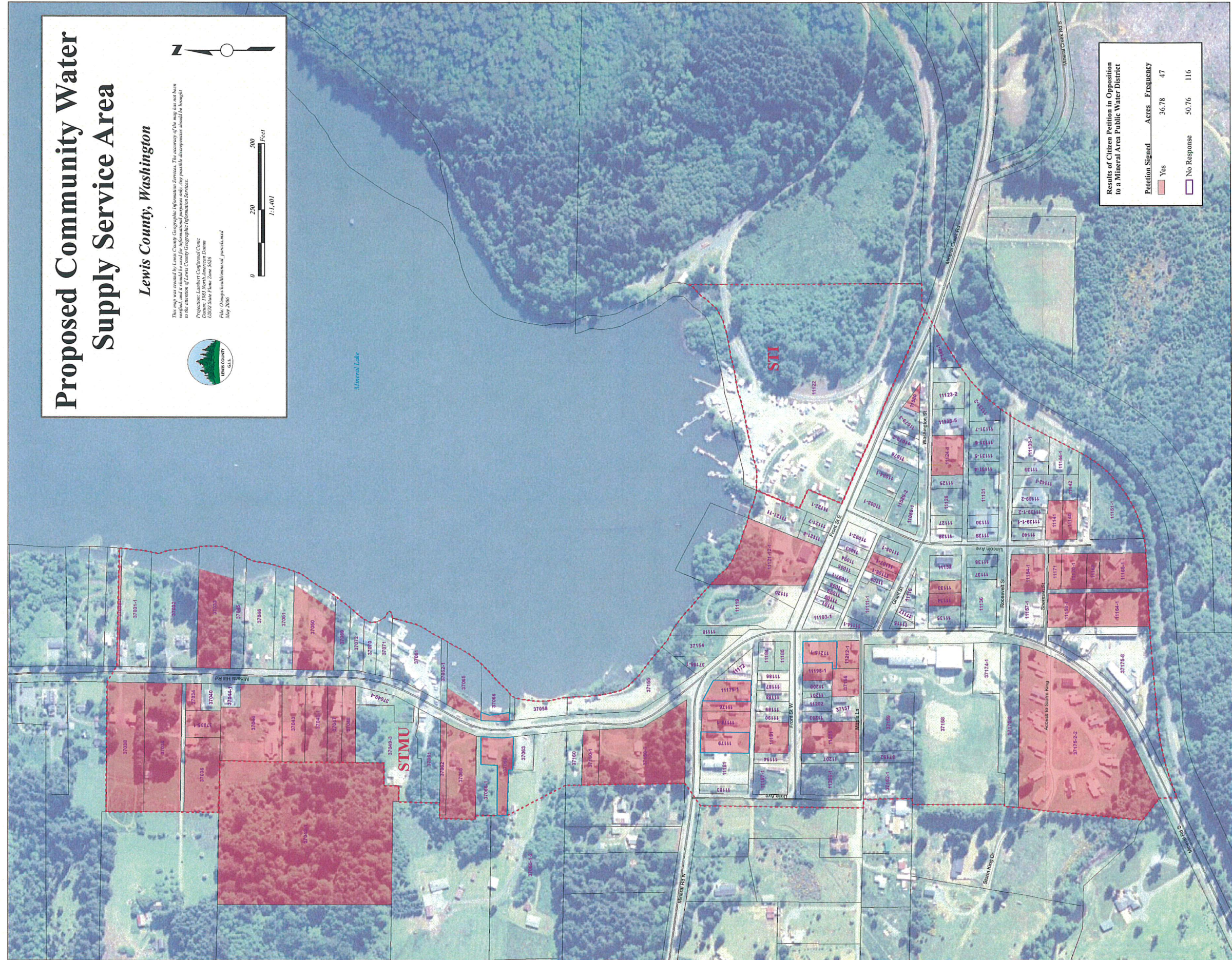
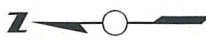
Proposed Community Water Supply Service Area

Lewis County, Washington



This map was created by Lewis County Geographic Information Services. The accuracy of the map has not been verified by the State of Washington. Possible discrepancies should be brought to the attention of Lewis County Geographic Information Services.

Professional Land Surveyors, Inc.
 Division 1 1983 North American Datum
 USGS State Plane Zone 5026
 File: D:\mgis\shdw\mineral_jurisdiction
 May 2006



Results of Citizen Petition in Opposition to a Mineral Area Public Water District

Petition Signed	Acres	Frequency
Yes	36.78	47
No Response	50.76	116

LEWIS COUNTY
Map

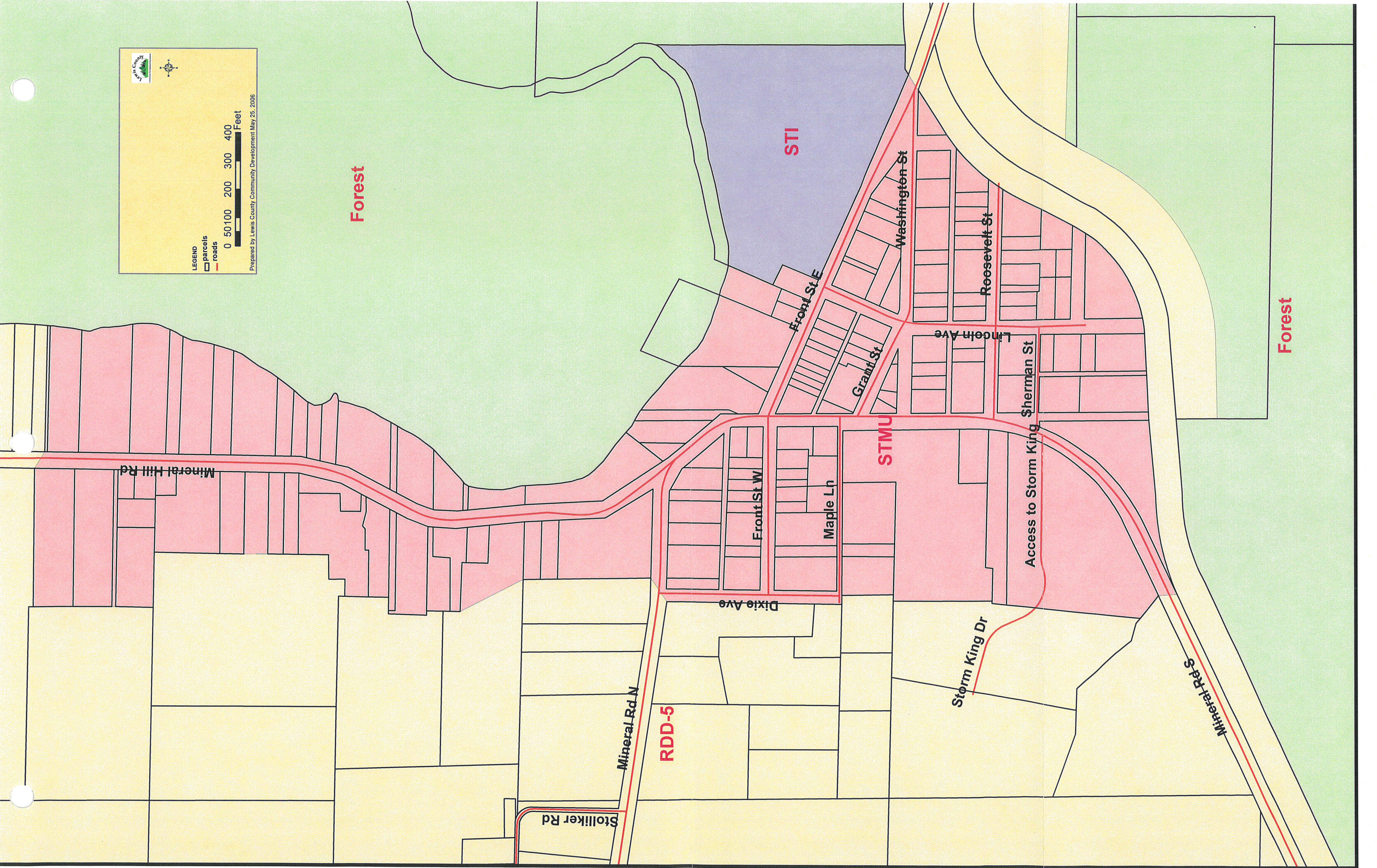
LEGEND
parcels
roads

0 50 100 200 300 400 Feet

Prepared by Lewis County Community Development May 25, 2006

Forest

Forest



LEWIS COUNTY PUBLIC HEALTH & SOCIAL SERVICES



ENVIRONMENTAL HEALTH:

350 North Market Street
Chehalis WA 98532-1900
Phone: (360) 740-2718 * Fax: (360) 740-1245 * TDD: 740-1480

Kathleen M. Eussen, Director
Diana T. YU, M.D., M.S.P.H., Health Officer
Tony Barrett, R.S., Deputy Health Officer

Dear Property Owner,

June 30, 2006

Lewis County Environmental Health and Public Works recently completed preliminary project work in reference to scoping the feasibility of a public water supply to service the Small Town Mixed Use (STMU) and Small Town Industrial (STI) areas of Mineral. On June 7, 2006 staff briefed the Board of County Commissioners (BOCC) on the current status of the project. The briefing included analysis of the community interest in development of a public water supply and in completion of the feasibility project.

Based on the community input, the BOCC has determined that there is insufficient support to pursue a public water supply for the Mineral area. Staff will discontinue scoping the feasibility of developing a public water supply for the Mineral community and finalize the report at its current level of information.

To understand how the Board of County Commissioners came to their decision, you are invited to attend a Community Meeting to be held on July 11, 2006 at the Mineral School at 7:00 PM. Lewis County staff will present results of the feasibility survey and the response analysis, and answer community questions.

A handwritten signature in cursive script that reads "Sue Kennedy".

Sue Kennedy RS
Environmental Health Specialist

If you have further questions and cannot attend the public meeting, please contact our office at 740-2691 or 740-2718.

RETURN ORIGINAL DOCUMENT TO:

Name (Print) _____

Mailing Address _____

ARSENIC DISCLOSURE STATEMENT

I (we) the undersigned, owner(s) of Parcel # _____

hereby will maintain treatment for arsenic on the existing well until such time as an approved, alternative potable water source is available. Treatment is required as the results of arsenic analysis of well water indicate the arsenic concentration exceeds the Maximum Contaminant Level (MCL) of 0.050 mg/L (WAC 246-291). The arsenic level was reported at _____ mg/L.

Arsenic is considered a chronic health hazard and may have negative health effects when ingested over a long period of time.

Regular periodic testing by the homeowner is required to determine whether the treatment system is working effectively. An arsenic analysis must be submitted to a state certified lab any time property ownership changes.

This notification cannot be removed from the property title without written permission from the Lewis County Health Department.

Dated this _____ day of _____, 20 _____

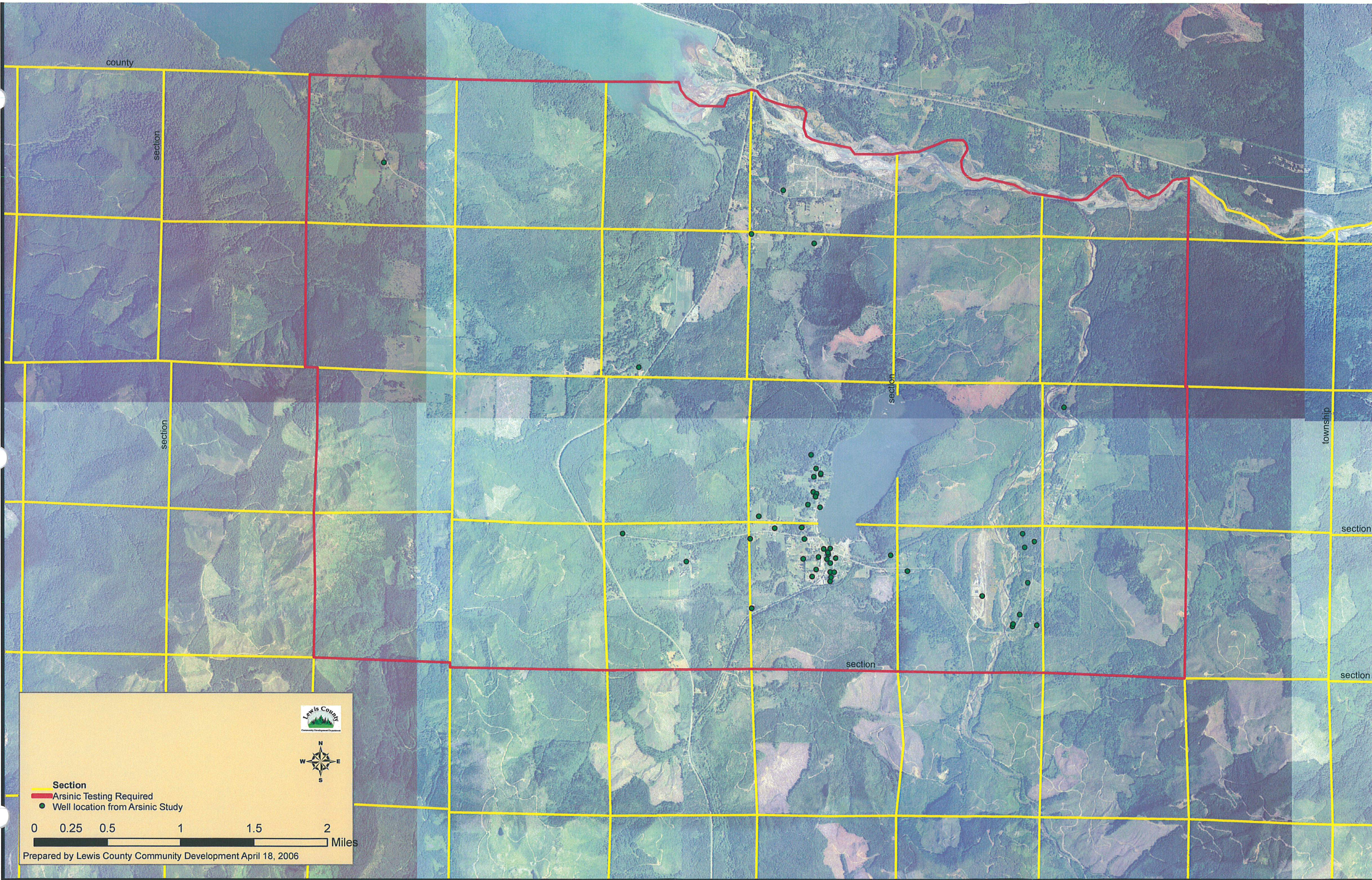
Property Owner(s)

State of Washington)
) ss
County of _____)

On this _____ day of _____, 20 _____, before me appeared _____, who I know personally or whose identity was proved to me on the oath of _____, a credible witness by me duly sworn, whose identity was proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged that he/she executed the same.

Notary Public (Signature)

Printed Name
Residing at: _____
My commission expires: _____



county

section

section

section

township

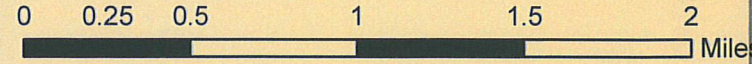
section

section

section



- Section**
- Arsinic Testing Required
- Well location from Arsinic Study



Prepared by Lewis County Community Development April 18, 2006