

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17048

Exam Date: 5/17/2016

1. Current Owner:
HAGADONE HOSPITALITY CORP PO BOX 6200 COEUR D ALENE ID 83816 (208)667-3431
2. Accompanied by: n/a. Performed exam without anybody present with permission

3. **SOURCE:**
GROUND WATER

TRIBUTARY:**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: 95-8641,95-8961
2. Other water rights with the same point-of-diversion: 95-8641,95-8961

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER L2 (SW¼SW¼) Sec. 20, Twp 50N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 39.564, 116° 44.456

2.

PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	03W	19													X L 6				
50N	03W	20											X L 2						

Method of Determination: Google Earth and Arc map.

3. Delivery System Diagram Attached (required). Indicate all major components and distances between components.
☒ Indicate weir size/pipe as applicable.
☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
☒ Aerial Photo Attached (required for irrigation of 10+ acres).
☒ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
95-97-N-003		3			

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

E. FLOW CALCULATIONS

Measured Method: UNITED PUMP PROVIDED INVOICE _____ Additional Computation Sheets Attached
 SHOWING A 3 HP MULTI PHASE PUMP WITH MAX CAPACITY OF 45 GPM. LICENSE WILL ISSUED FOR 0.07 CFS AS
 THAT IS WHAT SYSTEM RUNS AT.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: 300 SLIP MARINA USAGE

OPERATING DAYS – 213, APRIL 1 THRU OCTOBER 31

SLIPS – 300

GPD PER SLIP AT A MARINA WITH FULL HOOKUPS – 30 GPD

$$213 \times 300 \times 30 = 1,917,000 \text{ GPY} / 325,850 \text{ GAL/AF} = 5.9 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

Field examiner contacted Mr. Curtis the applicants contact person to schedule field exam. Mr. Curtis allowed examiner to conduct exam without anyone present. Examiner contacted United Pump Company to verify pump size in well. United confirmed there was a multi-phase 3 hp pump with max pumping capacity of 45 gpm in Well #2. United provided the invoice along with Panhandle Health District write-up from 2012 about the marina. That document states the marina does not use Well #1 because of a sediment issue. Field examiner contacted DEQ to verify this statement was still true and they confirmed that only Well #2 was used as of beginning of 2016. License will only be issued for 1 well because that is all that was used during development period. Water was pumped from well up to storage tanks part way up hill and from those tanks it is distributed to marina. Annual volume of 5.9 af will be issued for this license but will be overlapped with two other water rights to not exceed diversion rate of 0.07 cfs and annual volume of 29.0 af. Adjudication recommendation for rights 95-8641 and 96-8961 has overlap condition limiting them 29.0 af. This permit was applied for to get a greater flow rate that the system was capable of producing. No additional volume was required and license will limit all 3 rights to 0.07 cfs diversion rate and annual volume of 29.0 af.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
COMMERCIAL	01/01 to 12/31	0.07 CFS	5.9 AF
<u>Totals:</u>		0.070 CFS	5.90 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATIONField Examiner's Name Adam Fink Date 2/27/17Reviewer Morgan Cox Date 2/27/17

State of Idaho
Department of Water Resources
Water Right License
95-17048

COMMERCIAL

03W



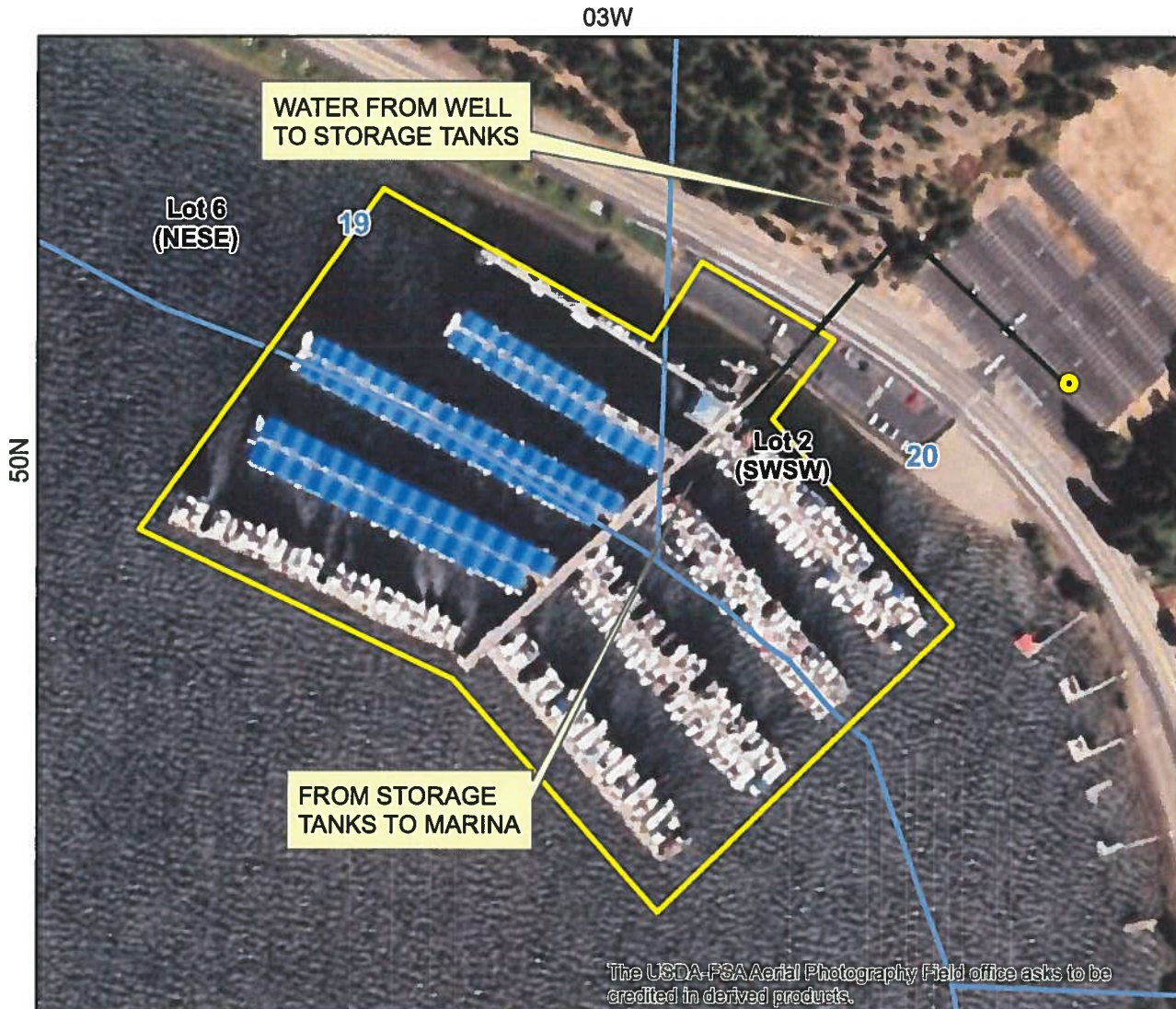
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.0375 0.075 0.15 Miles



State of Idaho
Department of Water Resources
Water Right License
95-17048

SYSTEM DIAGRAM



0 0.03 0.06 0.12 Miles

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections



Panhandle Health District Drinking Water Supply Report

System: Silver Beach Marina

Date of Survey: October 23, 2012

System Representative Present at Survey: Tony Parks, mngr & Chris Agueros, United Crown

Surveyed by: Jamie Barton, PHD

Source: Groundwater

Water System Type: Transient Non-Community

PWS#: 1280188

County: Kootenai

Pop/Conn: 25+/2

The Silver Beach Marina water system is classified as a transient, non-community public drinking water system located along Coeur d'Alene Lake Drive at Silver Beach. The water system consists of two wells, reservoir, chlorinator, and distribution mains serving the restaurant and marina.

The last sanitary survey of the water system was conducted October 22, 2007 and was considered not in compliance with the Idaho Rules for Public Drinking Water Systems, IDAPA 58.01.08. The deficiencies have been long standing and to bring the system into compliance with the rules, the deficiencies identified must be corrected.

Source

The water system includes two drilled wells. Well 1 is currently inactive and the water system has no intentions of reactivating due to its silt production. The water system receives its water supply from well 2, an 8-inch cased well located in the southeastern area of the large parking lot. Concrete curbing surrounds the well for protection from parking traffic and the area surrounding the well is sloped to provide drainage away from the well head in all directions. A well log is on file with the Panhandle Health District.



Well #1 – inactive



Well #2

The well was drilled in 1997 to a total depth of 107 feet with a bentonite surface seal to 33 feet. The well casing extends 18 inches above the ground surface and is fitted with a vented water tight well cap. The well is equipped with a 3 horsepower submersible pump controlled by a float switch in the reservoir.



POST OFFICE BOX 1690
HAYDEN LAKE, ID 83835

Post Office Box 1690, Hayden Lake, ID 83835
(208) 772-7867 • (800) 682-9641 • Fax (208) 772-7229

INVOICE

12-2

INVOICE DATE February 17, 2003	ORDER NO.
SHIP TO	
PO # 752-50E	
Beach House Main Well	

SOLD TO: Coeur d'Alene Resort
PO Box 7200
Coeur d'Alene Idaho 83816-1937

PHONE #208-667-3431

INSTALLATION/SERVICE DATE		SHIPPED VIA	F.O.B. POINT	TERMS	
February 13, 2003		Service WC	Beach House	Payment Due	
QTY.	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	
2	hrs.	Labor: OT M Hohensee- Trouble Shoot System	\$97.50	\$195.00	
10	ea	Mileage	\$1.00	\$10.00	
		Note: Found pump motor shorted down the well schedule for next day			
		System Working off of old pump system.			
5.5	hrs	Labor: R Luthi - Pull and replaced 3 hp pump & motor	\$65.00	\$357.50	
10	ea.	Mileage	\$1.00	\$10.00	
3	hrs.	Pump truck	\$30.00	\$90.00	
1	ea.	Jacuzzi 3 hp 45 gpm pump, motor ,control box	\$1,672.80	\$1,672.80	
1	ea.	Jacuzzi 5 year warranty pump, motor	\$90.00	\$90.00	
1	ea.	Motor Splice & Tape	\$35.00	\$35.00	
92	lf.	# 8/4Submersible pump cable	\$1.25	\$115.00	



Silver Beach Marina is located on the northeast shore of Lake Coeur d'Alene, just east of The Coeur d'Alene Resort Golf Course, with sheltered accommodations for both sail and power vessels.

The marina has 374 slips, including 174 covered slips, 192 uncovered slips, six end ties and two side ties. There are also 52 jet ski side ties, 26 jet ski islands and 103 in-the-water winter storage slips.

Silver Beach Marina offers a gas dock and potable water, as well as restrooms and shower facilities. The marina store has provisions, cold drinks and marine supplies.

[Download Marina Map](#)

[Download Marina Rules](#)

Location/Contact

3204 E Coeur D'Alene Lake Dr, Coeur d'Alene, ID 83814

Phone (208) 415-5600

For more information contact the Marina Manager

Todd Burke

Marina Manager
Boardwalk Marina – Silver Beach Marina
Tburke@hagadonemarine.com

For more information regarding moorage contact

Laura Wilson
F&I/Moorage Manager
at 208-664-7224 or 866-525-3232
lwilson@hagadonemarine.com

Store/Gas Dock schedule

- April 1 – Memorial Weekend: 9am – 5pm
- Memorial Weekend – Labor Day Weekend: 8am – 8pm
- After Labor Day – October 31: 9am – 5pm
- November 1 – March 31: closed

Amenities:

- Convenience Store
- Ice
- Groceries
- Beer, Wine
- Signature Apparel
- Overnight Moorage
- Gas Pumps
- Pumpout Station
- Electricity

For more information contact the Dockmaster Todd Burke at (208) 415-5600
tburke@hagadonemarine.com

At Your Service Dock Repair

First Name:

Last Name:

Phone:

Baseline Water Consumption Worksheet

If you have your utility bill or regular water meter readings for your facility

1. Gather the bills or meter readings for a 12-month period (or as close as possible).
2. Calculate the average gallons consumed in one day:
 - You will probably have to convert your measurements from cubic feet (what most water meters and bills are measured in) to gallons. $1 \text{ ft}^3 = 7.48 \text{ gal}$.
 - In some cases, water consumption may be very low on days when no one is in the facility (i.e. weekends and holidays). If this is the case at your facility, consider calculating average consumption per workday.
Keep in mind that in some situations HVAC systems and other machinery (like water-cooled refrigerators, vending machines, and icemakers) may consume water regardless of occupancy. Find out if these machines are or are not turned off on weekends and holidays and consider this information in your calculations.
 - Consider calculating average consumption per shift, or another increment that may be more useful in determining your maximum times and areas of water consumption.
3. Create a spreadsheet to display and analyze your data. The [Baseline Spreadsheet Template](#) is available as an aid.
4. Also, consider calculating the estimated water consumption based on the guidelines below, to compare your actual water consumption to the estimated guidelines for a similar facility.

If you do not have accurate water meter readings

Consider the following estimated consumption guidelines to calculate your approximate water consumption per day of operation.

Note: If you must use this table, you will have only an estimated water consumption value for your baseline on the plan template. Without actual bills or water meter readings, calculating the actual average consumption is impossible.

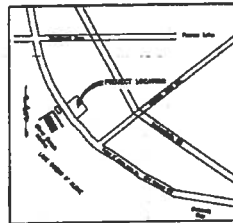
Facility Estimation Guidelines

Facility Type	Gallons per Day
Auditorium	5 g per seat
Camp – construction camp	60 g per person
Camp – summer camp	55 g per person
Campground (no water or sewer hookups)	100 g per campsite
Campground (with hookups)	120 g per campsite
Day Care	15 g per person
Factory (not including industrial waste)	25 g per person per shift
Hospital	300 g per bed
Institution (with residents)	100 g per person
Laundry	400-500 g per standard-size machine
Marina (no bathhouse)	10 g per boat slip
Marina (with bathhouse)	30 g per boat slip
Motor pool	300 g per car washed
Office buildings (without cafeteria)	25 g per employee
Restaurant – 24 hour	50 g per seat
Restaurant – standard (or cafeteria)	35 g per seat <i>or</i> 15 g per 15 ft^2

WATER SYSTEM IMPROVEMENTS FOR SILVER BEACH MARINA/BEACH HOUSE KOOTENAI COUNTY, IDAHO



LOCATION MAP
NO SCALE



VICINITY MAP
NO SCALE

SHEET INDEX

- SHEET 1 COVER SHEET
- SHEET 2 PROJECT OVERVIEW
- SHEET 3 WATER SYSTEM IMPROVEMENT DETAILS
- SHEET 4 RECORD WATER DRAWING

AT 10:15 AM 7/17
8.547 - 8.547
8.547 - 8.547
8.547 - 8.547
8.547 - 8.547

I.N.C. ENGINEERING & SURVEYING

• 620 POST STREET, POST FALLS, ID. 83854 •

RECEIVED
JUL 13 1997
5133

RECORD DRAWING 7/17

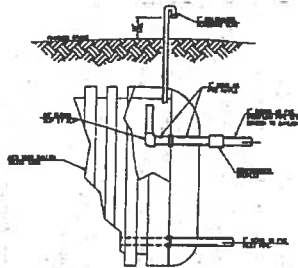
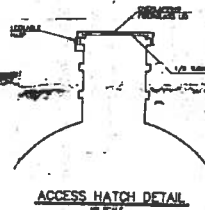
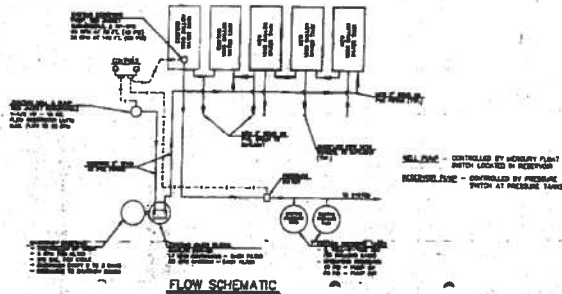
5-1

New Well + Improvements - Silver Beach Marina

5-1

WATER SYSTEM IMPROVEMENTS

SILVER BEACH MARINA



9/18/97.

TALL TO ELBOWS
TANK INLET/OUTLET
AS SHOWN
TANK DETAIL

7/17 RECORDED DRAWING NOTE:
ON 4/1/73 THE TANKS WERE
DRAWN AND CAPTURED. IT WAS
OBSERVED THAT MULTIPLE
FIRING WAS CONDUCTED IN
THE DRAWING LOTTERY BY
THE ADDITION OF FRIENDS BY
FIRE OF ONE IT WAS STOOD
WITH THE TANKS.

BURIED STORAGE TANK DETAIL

OVERFLOW, VENT AND INLET DETAIL

3/18/97

ALLOWED TO BE
REMOVED AFTER
TESTING INSTALLATION
IS COMPLETE.

FLUSHING & DISINFECTION NOTE

NEWLY INSTALLED PIPELINE AND TANKS SHALL BE FLUSHED OR SURGED CLEAN
WATER TO DISINTEGRATE. DISINTEGRATION SHALL CONSIST OF A 20 PPM CHLORINE
SOLUTION FOR 24 HOURS AND FLUSHING FOR A MINIMUM OF 30 HOURS
AFTER THE SURGING PERIOD. THE DISINTEGRATED WATER SHALL BE FLUSHED
FROM THE SYSTEM AFTER FINAL FLUSHING AND BEFORE SYSTEM IS PUT INTO
SERVICE. SAMPLES SHALL BE COLLECTED AND TESTED FOR SACKEROSOL COAT

3/18/70

THIS DRAWING EXISTS AS THE DRAWING OF
RECORD FOR THE STORAGE TANK SYSTEM.
IT IS INCORPORATED INTO THESE CONSTRUCTION
PLANS FOR THE PURPOSE OF DOMESTIC
THE REVISION TO INLET/OUTLET PIPING AS
NOTED RECORD DRAWING 7/97

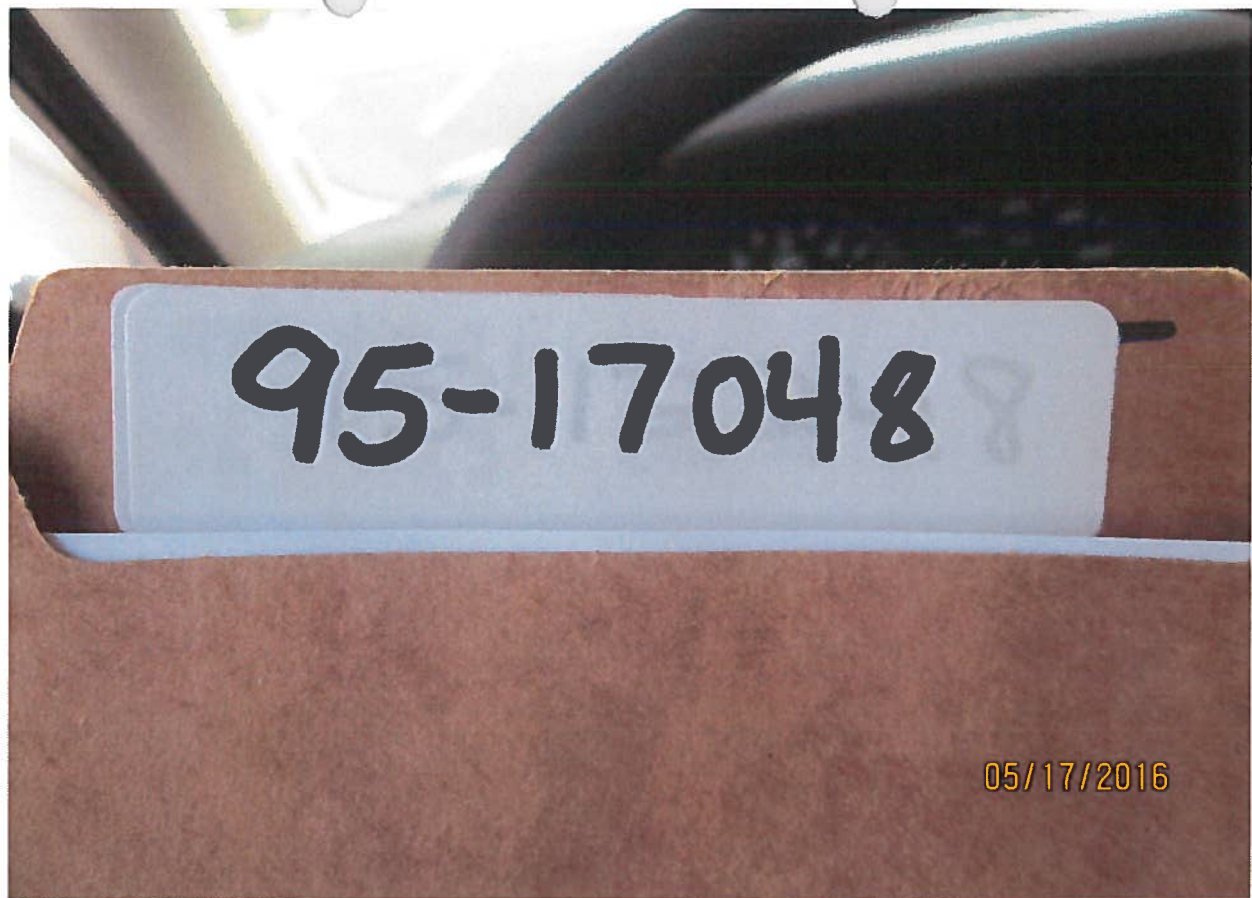


WATER SYSTEM IMPROVEMENTS
WELCH, CORNER & ASSOCIATES, INC.
1000 E. 10TH AVE., SUITE 100, DENVER, CO 80202

Welch, Corner & Associates, Inc.
1000 E. 10TH AVE., SUITE 100, DENVER, CO 80202

WATER SYSTEM IMPROVEMENTS

Design by W.C.	Site 44-0-0-0	Sheet 44-0-0-0
Checked by J.C.	Date 11-1-88	Drawn by J.C.



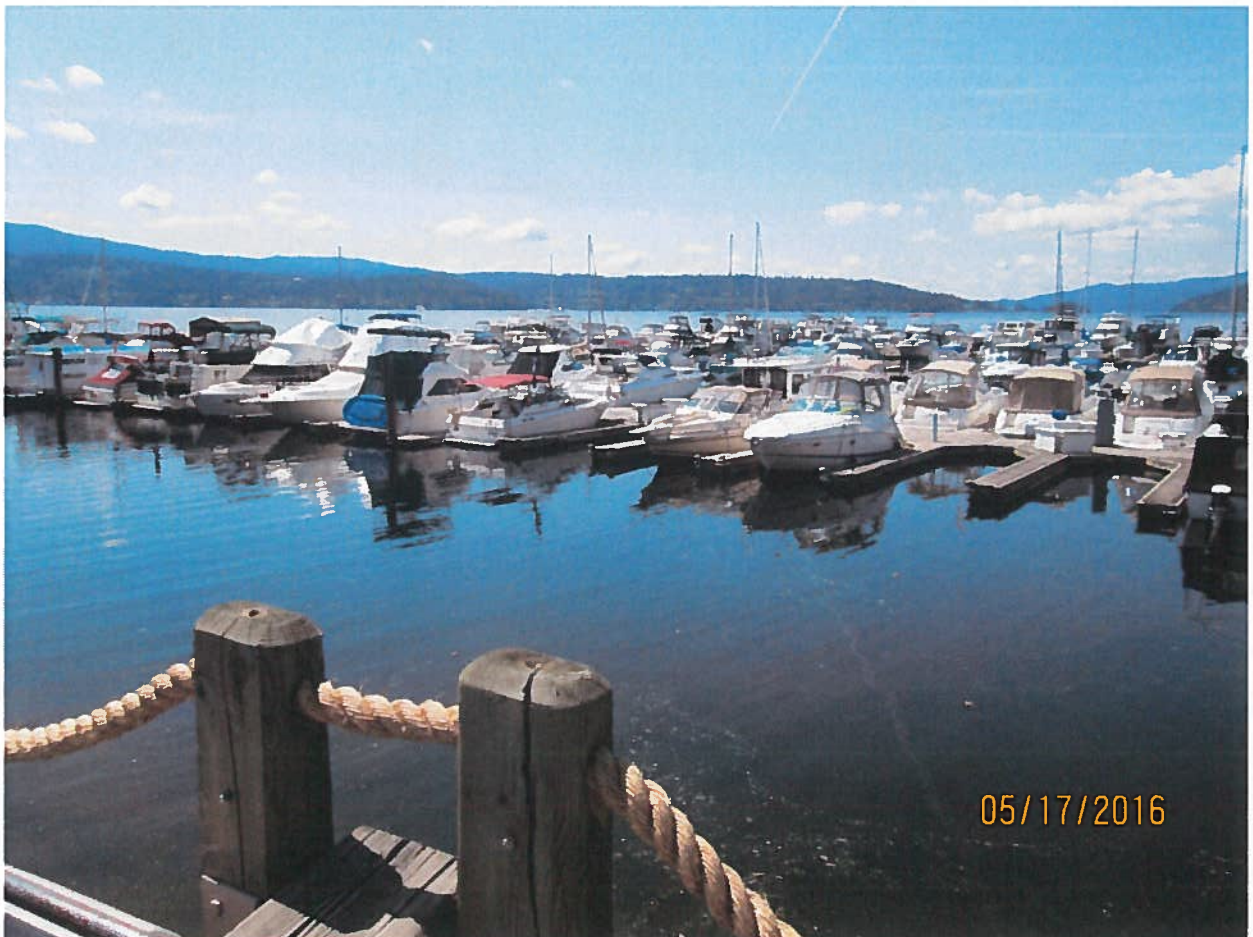
Well #1. Currently not being used because of sediment issues.



Well #2. Only well serving marina. 3hp pump with maximum pumping capacity at 45 gpm.



Storage tanks on hill above Well #1.



Marina.