



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

DRAFT APPROVED
REPORT OF EXAMINATION
To Appropriate Public Waters of the State of Washington

PRIORITY DATE	APPLICATION NO.	PERMIT NO.
February 1, 2010	S1-28650A	

NAME		
Shaw Island Trust (Christopher Carletti, Trustee)		
MAILING ADDRESS	CITY/STATE	ZIP CODE
Washington Administrative Services 925 Fourth Avenue, Suite 2900	Seattle, WA	98104-1158

PUBLIC WATERS TO BE APPROPRIATED

SOURCE	
Shortcut Pond (which receives water from an outlet of Gratzer Pond)	
INSTANTANEOUS RATE	ANNUAL VOLUME
0.056 cubic feet per second* (25 gallons per minute)	6.6 acre-feet per year
PURPOSES OF USE, PERIODS OF USE, & ANNUAL VOLUMES OF EACH	

Irrigation of 3 acres, during the irrigation season – 6.0 acre-feet per year
Multiple domestic supply, year-round – 0.5 acre-feet per year
Stockwater (includes horse barn clean-out & toilet), year-round – 0.1 acre-feet per year

* Shaw Island Trust has requested that in the event of a fire, Shortcut Pond and/or Gratzer Pond may be used for up to 3.12 cfs (1400 gpm), as needed. This use shall be allowed as per Water Resources Program Policy (POL) 2015.

LOCATIONS OF POINTS OF DIVERSION

APPROXIMATE LOCATION OF POINTS OF DIVERSION

For beneficial use from Shortcut Pond:
3127 feet north and 582 feet east of the southwest corner of Section 26, Township 36 North, Range 2 West

For diversion from Gratzer Pond to Shortcut Pond:
3353 feet south and 1231 feet east of the northwest corner of Section 26, Township 36 North, Range 2 West

SOURCE NAME	PARCEL #	LATITUDE	LONGITUDE	QTR/QTR	SECTION	TOWNSHIP	RANGE
1) Shortcut Pond	262623001000	48.58131	-122.92692	SW1/4 NW1/4	26	36N	2W
2) Gratzer Pond	262632004000	48.57812	-122.91795	NW1/4 SW1/4	26	36N	2W

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Attachment 1 shows the location of the authorized place of use. Attachment 2 lists the legal descriptions of the parcels within the authorized place of use.

DESCRIPTION OF WATER WORKS

Shortcut Pond receives inflow via a ditch and/or pipe system from the northern shore of Gratzer Pond. The diversion from Shortcut Pond to the requested place of use is a historical irrigation system utilizing a gravity assisted siphon system. A 4-inch steel supply line is located at depth along the north end of the pond, adjacent to the unregulated, 18-inch outfall structure. The 4-inch supply line tapers down to a 2-inch plastic line to provide additional pressure. The entire supply line is buried until exposed at a hose bib within the place of use. Water is further distributed within the place of use via a network of pipes, hoses, and sprinklers. Water supply from Shortcut Pond is controlled by a valve at the point of diversion.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE	COMPLETE PROJECT BY THIS DATE	WATER PUT TO FULL USE BY THIS DATE
Begun	Completed	December 31, 2015

PROVISIONS

1. Meter Installation

An approved measuring device shall be installed and maintained on the Shortcut Pond diversion in accordance with the rule “Requirements for Measuring and Reporting Water Use”, WAC 173-173. See <http://www.ecy.wa.gov/programs/wr/measuring/measuringhome.html>

2. Metering Rule Description And Petition Info

WAC 173-173 describes the requirements for data accuracy, device installation and operation, and information on reporting. It also allows a water user to petition the Department of Ecology for modifications to some of the requirements. Installation, operation and maintenance requirements are enclosed as a document titled “Water Measurement Device Installation and Operation Requirements”. See <http://www.ecy.wa.gov/programs/wr/measuring/measuringhome.html>

3. Record Monthly, Report Upon Request by Ecology

Water use data shall be recorded monthly and maintained by the water right holder. The maximum instantaneous rate of diversion and the annual total volume shall be submitted to the Department of Ecology upon request.

4. Authority To Access Project

Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times, to the project location, and to inspect at reasonable times, records of water use, point(s) of diversion, the measuring device, and associated distribution systems for compliance with state law.

5. No Impairment of Existing Rights

This authorization to make use of public waters of the state is subject to existing rights.

6. Proof of Appropriation

The water right holder shall file the notice of Proof of Appropriation of water (under which the certificate of water right is issued) when the permanent distribution system has been constructed and the quantity of water required by the project has been put to full beneficial use. The certificate will reflect the extent of the project perfected within the limitations of the permit. Elements of a proof inspection may include, as appropriate, the source, system instantaneous capacity, annual volume, beneficial use, place of use, and satisfaction of provisions.

FINDINGS OF FACT AND ORDER

Upon reviewing the investigator’s report, I find all facts relevant and material to the subject application have been thoroughly investigated. Furthermore, I concur with the investigator that water is available from the source in question, there will be no impairment of existing rights, the purposes of use are beneficial, and there will be no detriment to the public interest.

Therefore, I ORDER approval of Application No. S1-28650A, subject to existing rights and the provisions above.

You have a right to appeal this action to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this document. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. “Date of receipt” is defined in RCW 43.21B.001(2).

To appeal, you must do the following within 30 days of the date of receipt of this document:

- File your appeal and a copy of this document with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this document on Ecology in paper form - by mail or in person. (See addresses below.) Email is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

Street Addresses	Mailing Addresses
Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503	Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608
Pollution Control Hearings Board 4224 – 6th Avenue SE Rowe Six, Building 2 Lacey, WA 98503	Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903

Please also send a copy of your appeal to:

Jacqueline Klug
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue WA 98008

For additional information visit the Environmental Hearings Office Website: <http://www.eho.wa.gov> . To find laws and agency rules visit the Washington State Legislature Website: <http://www.Leg.wa.gov/CodeReviser> .

Signed at Bellevue, Washington, this _____ day of _____, 2010.

Jacqueline Klug
Section Manager
Water Resources Program
Northwest Regional Office

INVESTIGATOR'S REPORT
by Buck Smith, LG, LHG - Senior Hydrogeologist
Water Right Application No. S1-28650A

BACKGROUND INFORMATION

Shaw Island Trust submitted applications for a reservoir permit (R1-28651A) and two secondary use permits (S1-28649A & S1-28650A) to authorize storage and use of surface water comparable to historical use on their property. These water right applications were submitted concurrently with other local, state, and federal permit applications for a pond management proposal (which includes additional storage) and a wetlands restoration project to increase long-term habitat diversity and ecological functions of the wetland system associated with property's historical main reservoir (Gratzer Pond).

All three Shaw Island Trust applications are being processed through a cost-reimbursement agreement (RCW 90.03.265) with the Department of Ecology. All costs for processing the applications will be paid by Shaw Island Trust pursuant to Cost Reimbursement Agreement 9RA9.

The specific purpose of this report is to address the applicant's request for surface water rights for diversion and beneficial use of water from Shortcut Pond. Shaw Island Trust has requested the right to use up to 0.056 cubic feet per second (25 gallons per minute) and 6.6 acre-feet per year for irrigation, multiple domestic supply, and stockwatering.

Applications S1-28649A (for diversion from Hilltop Pond) and R1-28651A (for storage in Gratzer Pond) will be addressed in separate reports of examination.

Public notices

Public notice of the applications was published in *The Journal of the San Juan Islands* on March 17 and 24, 2010. No protests were received during the statutory 30 day protest period (RCW 90.03.280).

General notice of the cost-reimbursement process was published in *The Journal of the San Juan Islands* on July 28, 2010. No public inquiries or requests to join in the process were received (RCW 90.03.265).

State Environmental Policy Act

On February 17, 2010, San Juan County Community Development & Planning (the SEPA lead agency) determined the proposed project will not have a probable significant adverse impact on the environment. This determination was made after review of a completed environmental checklist and other information on file with the County. The County determined the requirements for environmental analysis, protection, and mitigation measures were adequately addressed in the development regulations and Comprehensive Plan adopted under Chapter 36.70A RCW, and in other applicable local, state, or federal laws or rules, as provided by RCW 43.21C.240 and WAC 197-11-158. As such, an environmental impact statement (EIS) was not required, and the County will not require any additional mitigation measures under SEPA. SEPA information for this proposal is available upon request from the County as filed under Permit # PSEPAO-10-0002.

Legal determinations

Chapter 90.03 RCW authorizes the appropriation of public water for beneficial use and describes the process for obtaining water rights. Laws governing the water right permitting process are contained in RCW 90.03.250 through 90.03.340. In accordance with RCW 90.03.290, an investigation must be conducted and determinations must be made on the following four criteria in order for an application for water rights to be approved:

- Water must be available
- There must be no impairment of existing rights
- The water use must be beneficial
- The water use must not be detrimental to the public interest

INVESTIGATION

In considering this application, my investigation included in- and out-of-office research, and obtaining information directly from:

- The water right application

- Project letter report by Jonathan Ambrose (Senior Hydrologist, GeoEngineers) and David Cook (Principal, GeoEngineers) titled *Application for Reservoir Permit and for Secondary Surface Water Use Permits, Gratzer Pond Management and Enhancement Project, Shaw Island, Washington, File No. 17235-003-01* (January 29, 2010)
- The project Environmental Checklist and SEPA Determination
- My site visit and communications with Jon Ambrose
- A Water Rights Tracking System (WRTS) database search of existing water rights in the area
- Ecology and San Juan County Geographical Information System (GIS) databases
- The USGS Shaw Island 7.5 minute topographic map
- Natural Resources Conservation Service (NRCS), Washington Irrigation Guide (WAIG), December 17, 1992

Project Setting

The Shaw Island Trust property encompasses approximately 400 acres of land (see Attachment 3) located on the northeastern side of Shaw Island. Most of the property lies within Section 26 of Township 36 North, Range 2 West, with a small portion in Section 27.

A network of surface water ponds (Gratzer, Hilltop, Shortcut, and the Double Ponds) dominates the hydrography of the property (see Attachment 4), with Gratzer Pond being the largest in terms of surface area and storage volume. The ponds were created many years ago by a previous landowner. Each of the 5 ponds historically functioned as a “farm-pond” and was excavated to capture rainwater, surface runoff, and shallow groundwater recharge. Each of the ponds was constructed with one or more outlets to control water levels and to supply water for irrigation, stockwater, and domestic use. Releases from Gratzer, Shortcut (see Attachment 5), and the Double Ponds are routed through a series of manmade ditches and ultimately flow to Harney Channel. Water can also be released from Gratzer pond to flow into Hilltop Pond.

Watershed Characteristics

The Gratzer Pond watershed has a total basin area of approximately 130 acres and consists of 4 sub-basins that contribute runoff to each of the 4 ponds within the watershed – Gratzer Pond, Shortcut Pond, Upper Double Pond, and Lower Double Pond. Gratzer Pond, the largest pond on the property, has a basin area of 64 acres and currently impounds approximately 25 acre feet of water at full pool (elevation 180.76 feet). Shortcut Pond has a basin area of 43 acres and a maximum storage volume of 4.5 acre-feet at full pool. The Double Ponds are two ponds located adjacent to each other near the outlet of the Gratzer watershed. The basin area for the Double Ponds is 25 acres, with a combined potential storage volume of less than 1 acre-foot. The Shaw Island Trust owns all of the property within the Gratzer Pond watershed. There are no other property owners, water users, or other water right holders within the watershed. In addition, there is no perennial stream flow within the watershed.

Hilltop Pond is located to the west of Gratzer Pond, outside of the natural drainage area for discharge from Gratzer Pond. Hilltop Pond has a natural contributing basin area of 0.28 acres, and a maximum storage potential of 0.35 acre-feet at full pool.

Water Management and Routing

The Gratzer Pond watershed, its 4 storage ponds, and Hilltop Pond have been managed for over 50 years as a reservoir and distribution system to provide water for irrigation, stockwatering, and domestic uses throughout the property. Water levels and water distribution in the ponds are controlled through both unregulated outfalls that spill and route water freely during periods of maximum pond storage. And, also through manually operated outfall pipes from Gratzer Pond that can be used to distribute water from Gratzer Pond to Shortcut and Hilltop Ponds when reservoir levels are below full pool.

Unregulated Systems

The unregulated outfall at Gratzer Pond is a 12-inch concrete pipe (see Attachments 6 & 7), set at an invert elevation of 180.76 feet, located at the northern end of the pond. The pipe is set one foot below the roadway crest, in a concrete block. Releases from this pipe occur when inflows to Gratzer Pond take place during periods of full pool, typically during winter and spring. This water then flows through an unnamed, man-made ditch and into Shortcut Pond. The Shortcut Pond unregulated outfall is an 18-inch corrugated metal pipe set at an invert elevation of 112.2 feet, located at the northern end of the pond. Unregulated releases from Shortcut Pond flow into an unnamed, man-made ditch, through the Double Ponds, and eventually to Harney Channel. The Double Ponds storage capacity is so small that overflow from Shortcut Pond typically passes directly through the Double Ponds.

Hilltop Pond (outside of the natural Gratzer Pond watershed) does not contain an unregulated outfall.

Regulated Systems

Two regulated outfalls can be used to distribute water from Gratzer Pond to Shortcut and Hilltop Ponds, typically and historically for water use between late spring and early fall.

A 4-inch pipe set at an invert elevation of 176.76 feet, 4 feet below the concrete outfall on the northern shore of Gratzer Pond, routes water to Shortcut Pond. This water is manually released via a gravity-fed, 4-inch steel supply pipe controlled by a shut-off valve. The 4-inch steel pipe tapers to a 2-inch plastic line that ends at a hose bib located in the historical lower (shoreline) area of irrigation, stockwater, and domestic use. Maximum discharge from this supply line is 25 gpm. The requested 3 acres of irrigated land is located near the shoreline of Hudson Bay (see Attachment 5).

A similar system (see S1-28649) with a 3-inch pipe is in place on the western shore of Gratzer Pond, to route water to Hilltop Pond through a man-made ditch as well as a short section of buried pipe. From Hilltop Pond water has historically been withdrawn using a one-horsepower (15 gpm) submersible pump and pipe system for distribution to the historical area of irrigation, stockwater, and domestic use. The requested 3 acres of upland irrigated pasture is located around and to the east of Hilltop Pond.

Water Availability Assessment

In preparation for submitting the Shaw Island Trust applications, GeoEngineers completed an evaluation of water availability throughout the Gratzer Pond watershed and the ponds system. This basin-wide evaluation considered the timing and volumes of water delivery into and movement through the Gratzer watershed, including an assessment of the stage storage discharge curves for each of the ponds in the system. GeoEngineers evaluated the total inflows (gains) and outflows (losses) for each of the ponds and their respective watersheds to assess water availability and to evaluate the affect of reservoir expansion and water use on both pond and adjacent wetland hydroperiod (the period of time during which a wetland is covered by water).

Total inflow to the ponds includes direct precipitation, runoff from the local contributing watershed(s), and shallow groundwater recharge (interflow). Outflows include evapotranspiration (PET), direct pond (pan) evaporation, and recharge to deep groundwater. The volume of water that moves through the system during maximum storage, via the unregulated outfall structures on Gratzer and Shortcut Ponds, is considered excess flow. Excess flow defines the volume of water that cannot be contained by the storage reservoirs and passes from Gratzer Pond to Shortcut Pond, on to the Double Ponds, and eventually into Harney Channel. Excess flow is available for capture through modifying pond height or outlet management.

During a typical water year (October 1 through September 30) on Shaw Island, the Gratzer Watershed receives approximately 28 inches of rainfall. This translates to roughly 22 acre-feet of direct rainfall to the ponds themselves, and 95 acre-feet of total inflows from runoff and interflow. Evaporation from all ponds accounts for roughly 16 acre-feet of loss, and recharge to deep groundwater in an average year is conservatively estimated at 22 acre-feet from all ponds. The total volume of excess water passing through and released from Shortcut Pond in an average year is 64 acre-feet, and total excess flows leaving from the Double Ponds into Harney Channel is 77 acre-feet. This volume of excess water moves through the system in winter and spring, when inflows occur during periods of maximum storage capacity. The current proposal to raise the Gratzer Pond spillway elevation by 1 foot (see R1-28651) will enable the capturing of more of this excess water.

Gratzer Pond Wetlands Restoration Proposal

The general goals of the proposed restoration plan include increasing long-term habitat diversity and ecological functions of Gratzer Pond and adjacent wetland systems. This is proposed to be accomplished by expanding the overall size of the wetland, increasing the aquatic bed portion of the wetland, relocating emergent portions of wetland, removing invasive species, establishing a native vegetation community with a diverse species mix, enhancement of the surrounding uplands, and management of water elevations for long-term ecological protection. As part of this proposal, the spillway will be raised one foot above the existing elevation to regulate water levels to manage the pond and the vegetation for the purposes of decreasing future need for dredging and aquatic bed conversion. Shaw Island Trust has stated the ability and desire to manage the system for long-term ecological sustainability and maintain the targeted habitat functions well into the future.

Upland areas that surround Gratzer Pond are proposed to be enhanced by the removal of non-native invasive vegetative species and by relocating segments of the existing pervious access road outside the regulated protective buffer of Gratzer Pond. Since portions of the road will be relocated and additional emergent habitat will be created, portions of existing, isolated wetlands will become connected to the Gratzer Pond Wetland System.

Proposed Gratzer Pond Spillway Modifications

As noted above, an integral aspect of the proposed Gratzer Pond management and enhancement project is raising the spillway elevation one foot to regulate water levels to manage the pond and the vegetation. The existing outlet structure at the northern shore of Gratzer Pond consists of an unregulated 12-inch diameter concrete outfall pipe and a 4-inch diameter steel pipe controlled with a valve, both set in a concrete block. The 12-inch spillway is located at an invert elevation of 180.76 feet, with the top of pipe one foot below the roadway/dam crest elevation of 182.76 feet. This spillway limits Gratzer Pond to a current full pool elevation of approximately 180.76 feet, with a maximum storage capacity of 25 acre feet. Throughout the course of an average water year, Gratzer Pond maintains a full pool from approximately December through February or March.

The 4-inch pipe is set at an invert elevation of 176.76 feet and is used as a regulated outfall to release water from Gratzer Pond to Shortcut Pond when the water level is below the unregulated 12-inch pipe invert. A valve set on the downstream slope of the road prism/dam controls discharge from the 4-inch pipe. Historically, water releases have occurred from Gratzer Pond to Shortcut Pond to supply irrigation, stockwater, and domestic use water to the home site in the Hudson Point area.

Modifications to the existing spillway structure are being proposed to meet ecological objectives associated with the wetlands restoration and pond restoration plan. The proposed restoration plan will create additional areas of open water and wetlands through expansion along the pond margins as well as through increasing the maximum pool elevation one foot to 181.76 feet. Increasing the full pool elevation from 180.76 feet to 181.76 feet is proposed to help control the expansion of invasive species such as reed canary grass and provide more diverse wetland habitat within and along the margins of Gratzer Pond. Increasing the full pool elevation will also increase the maximum storage capacity of the pond to 49 acre-feet (see R1-28651). Increasing the full pool elevation by one foot will increase the size and depth of the reservoir and should also increase contributions to groundwater recharge relative to the current configuration.

The proposed overflow (unregulated) spillway is designed to elevate the full pool stage to 181.76 feet, while also providing spill potential for 12 cubic feet per second (cfs), which is more than 2 times greater than the calculated 500 year Gratzer Pond discharge rate of 5.2 cfs. The spillway invert will be set at one foot below the top of roadway/dam crest and will require no modifications to the dam height. Construction methods have not been determined, but the overflow spillway channel could be constructed either through modifying or replacing the existing concrete block. No changes are proposed for the 4-inch pipe to Shortcut Pond or for the 3-inch pipe to Hilltop Pond.

Site Visit

On July 15, 2010, I toured the Shaw Island Trust property with Jon Ambrose (Senior Hydrologist, GeoEngineers). We first visited the Hilltop Pond watershed, where I saw the pond, the upland 3 acres to be irrigated under S1-28649, and the ditch leading from Gratzer Pond to Hilltop Pond. We next traveled into the Gratzer Pond watershed and visited the pond and the pond's outlet structure (the 12-inch pipe). We next traveled down-gradient to visit the shoreline 3 acres irrigated from Shortcut Pond (the subject of this report). At that location I observed the existing orchard, pasture grass, and the impact-sprinklers used for irrigation purposes.

Next, we visited Upper and Lower Double Ponds where I observed the outlet ditch to Harney Channel. I also saw the ditch that carries overflow from Shortcut Pond. Next, we visited Shortcut Pond where I observed the pond's outlet structure and the valving used to divert water through a pipeline to the lower irrigated acreage.

While touring the property I also observed a number of structures and outbuildings. The original home on the property was in the process of being dismantled and a new home was being constructed at a higher location. The property also contains fenced areas for horses and other types of livestock. As could be expected for the date of visit, all the ponds had water levels below their spillway inverts.

Other Existing Water Rights

A Water Rights Tracking System (WRTS) search and a Geographical Information System (GIS) search were conducted to determine if other water rights exist on the Shaw Island Trust property. A total of three water right documents (all claims) were found. Only one is germane to this report because it is located within the requested place of use (see Figure 1 below).

On January 28, 1973, Ecology received a "long form" water right claim from August Gratzer (see Attachment 8). Ecology assigned this claim the tracking number G1-022701CL. The claimed quantities are listed as 5000 gallons per 24 hours and 1,825,000 gallons per year. The presently used quantities were listed as 1000 gallons per 24 hours and 365,000 gallons per year. The claimed source is a driven well. The claimed date of first use is January 1946. The claimed purposes of use are stock and domestic. The legal doctrine upon which the claim is based is "sole ownership

since 1956". This claim likely represents a permit exempt use as allowed under RCW 90.44.050. The actual extent and validity of this claim can only be determined by an adjudication in superior court. Shaw Island Trust now retains ownership of this claim.

No other rights exist within the requested place of use or the overall Gratzler/Shortcut Pond watershed.

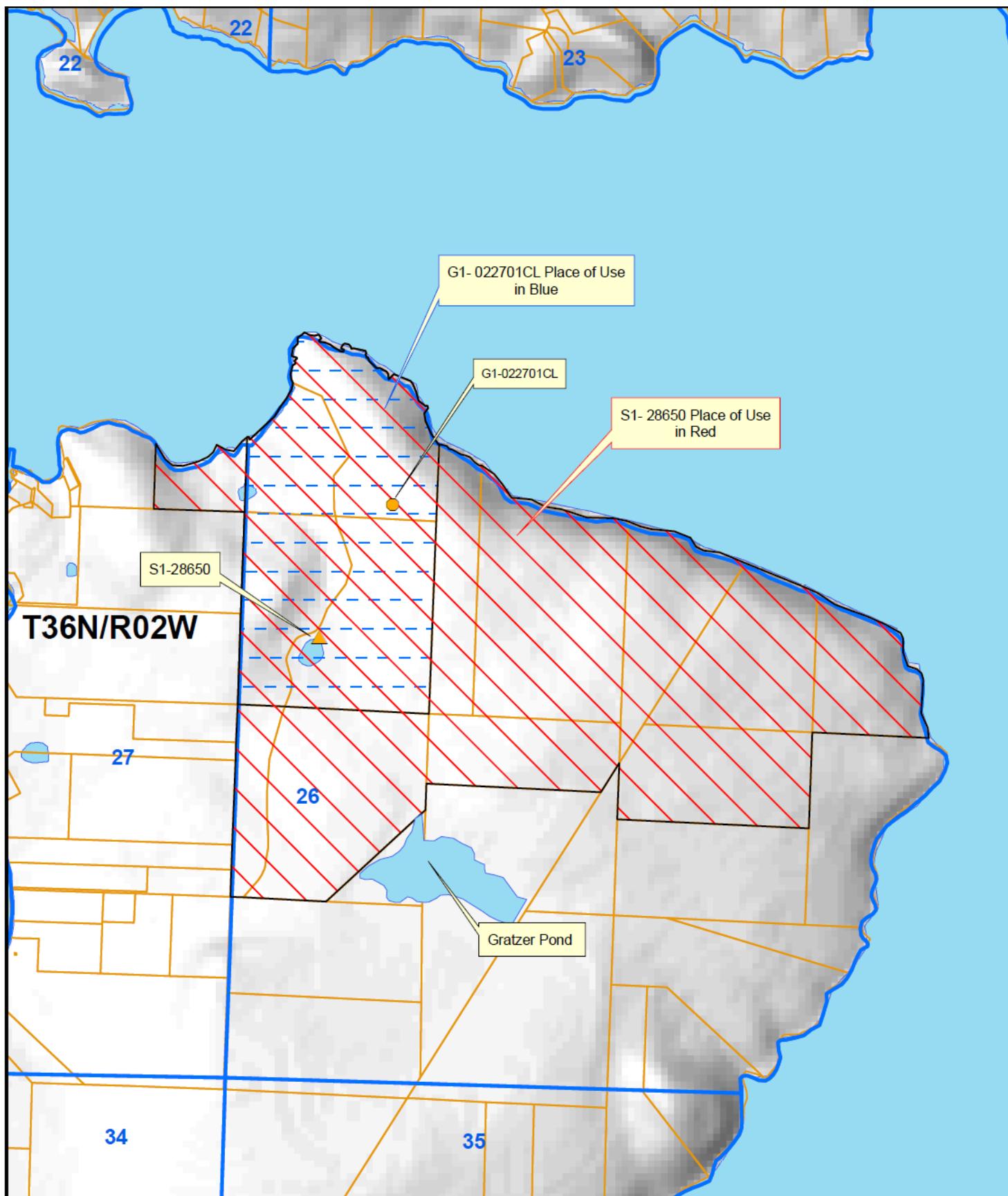


Figure 1

8/26/2010



Existing Water Rights in the Place of Use of Shaw Island Trust S1-28650
San Juan County, Washington

Annual Quantities Requested

Shaw Island Trust requested 6 acre-feet of water for irrigation of 3 acres (2 feet per acre). Current and future use includes irrigation of pasture, lawn, and garden. The nearest Washington Irrigation Guide (WAIG) climatic station

is located at Olga (on Orcas Island), which is approximately 4 miles to the northeast of the Shaw Island Trust property. According to the 1992 WAIG, Olga receives an average of 28.77 inches of precipitation per year. The WAIG crop irrigation requirement for pasture/turf at that location is 16.61 inches per year. The WAIG lists the average irrigation efficiency of impact-sprinklers at 70%. Therefore, the total water need (crop requirement + efficiency loss) is in fact 2 feet per acre (calculated as follows):

- 16.61 inches per acre (crop irrigation requirement) ÷ 0.7 (70% efficiency) = 23.73 inches (≈ 2 feet) per acre of irrigation water needed

Shaw Island Trust also requested 0.5 acre-feet per year for multiple domestic supply. This water will be used as needed to supply water to the various structures (homes and related recreational/accessory facilities) located on the property. Shaw Island Trust also requested 0.1 acre-feet per year for stockwatering. This water will be used as a drinking water supply for horses and for a sanitary supply (clean-out & toilet flushing water) for a barn.

DETERMINATIONS

Water Availability

Legal Availability

There are currently no regulatory closures or legal restrictions affecting water availability on Shaw Island. Therefore, water is legally available.

Physical Availability

Shortcut Pond fills during the wet season and can be refilled as needed during the dry season from storage in Gratzer Pond. Physical availability of water will not be a problem.

Impairment

Because there are no other water rights (other than the one owned by the Shaw Island Trust) within the requested place of use or the Gratzer/Shortcut Pond watershed, there is no possibility for impairment of other rights. Even the claimed groundwater use (if still in existence) within the requested place of use will not be impaired by this request because water is imported into Shortcut Pond from Gratzer Pond. And, this system has been in use for over 50 years with no previous complaints of impairment.

Beneficial Use

Irrigation, stockwatering, and domestic supply are considered to be beneficial under RCW 90.54.020(1). The volume of water requested is reasonable for the proposed purposes of use.

Public Interest

No potential for detriment to the public interest could be identified during the investigation of this application.

RECOMMENDATION

Based on the above investigation and determinations, I recommend the subject application be approved, within the limitations listed below, and subject to the provisions on page 2.

Authorized Quantities and Purposes of Use

The amount of water recommended is a maximum limit and the water user may only use that amount of water within the specified limit that is reasonable and beneficial.

- Instantaneous rate – 0.056 cubic feet per second (25 gallons per minute)
- Annual volume – 6.6 acre-feet per year total, as follows:
 - Irrigation supply for 3 acres, during the irrigation season, 6.0 acre-feet per year
 - Stockwatering, horse barn clean-out & toilet, year-round, 0.1 acre-feet per year
 - Multiple domestic supply for homes and related recreational/accessory facilities, year-round, 0.5 acre-feet per year

Points of Diversion

For beneficial use from Shortcut Pond:
SW¹/₄ NW¹/₄, Section 26, Township 36 North, Range 2 West, W.M.

For diversion from Gratzner Pond to Shortcut Pond:
NW¹/₄ SW¹/₄, Section 26, Township 36 North, Range 2 West, W.M.

Place of Use

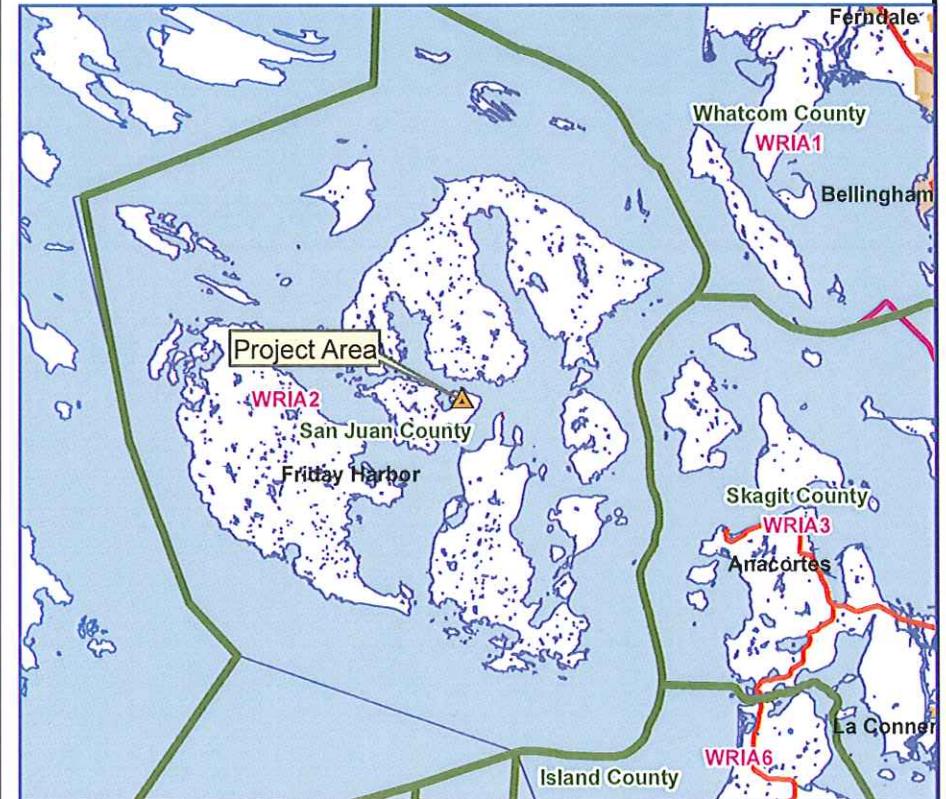
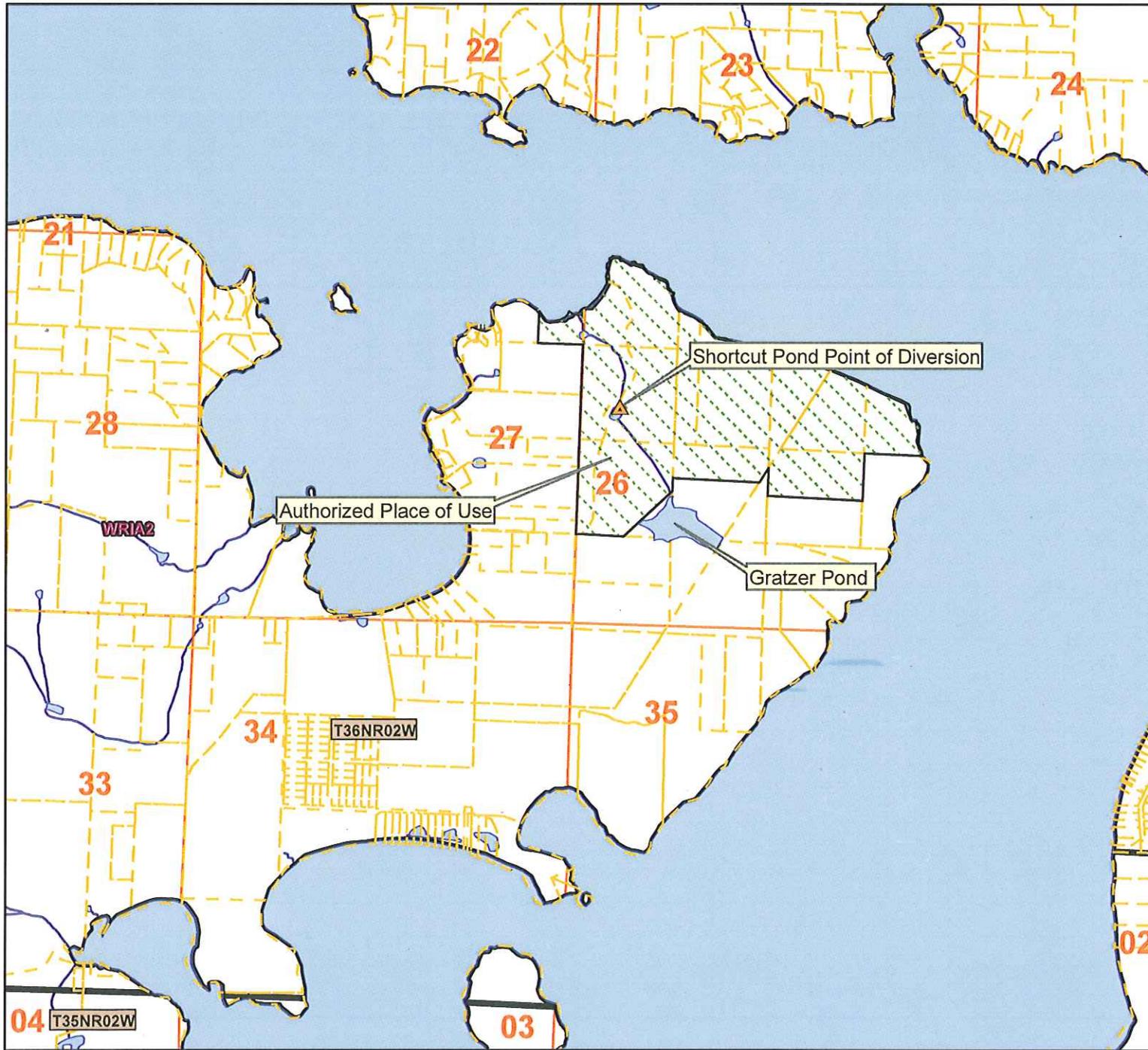
See Attachments 1 & 2

Report by: _____
Buck Smith, LG, LHG

_____ Date

_____ Licensed Geologist/Hydrogeologist No. 1479

If you need this publication in an alternate format, please call the Water Resources Program at (425) 649-7000. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.



Legend

- County
- WRIA
- Highways
- Townships
- Cities
- Sections
- Authorized Point of Diversion
- Authorized Place of Use

Place of use and point(s) of diversion/withdrawal are as defined on the cover sheet under the headings, 'LOCATION OF DIVERSION/WITHDRAWAL' and 'LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED.'



Attachment 2

(7 pages total)

Tax Parcel No. 262711001

(Parcel 1)

That portion of Government Lot 1 in Section 27, Township 36 North, Range 2 West, W.M., in San Juan County, Washington, described as follows:

Beginning at the meander corner on the line between Sections 26 and 27, and running thence South along said section line 504.24 feet; THENCE West 627 feet; THENCE North 452.6 feet; more or less to the meander line; THENCE South 58°15' East 27.5 feet and North 83°45' East 607.2 feet along said meander line to the POINT OF BEGINNING.

Modified Tax Parcel No. 262624002

(Parcel 3)

A portion of Government Lot 2, Section 26, Township 36 North, Range 2 West, W.M., Shaw Island, County of San Juan, State of Washington, described as follows:

Commencing at the 1" diameter iron pipe shown of record as marking the Southwest Corner of said Section 26, from which the 5/8" diameter rebar described by instrument recorded under Auditor's File No. 91173422, records of said county, as marking the South Quarter Corner of said Section 26 bears South 89°27'12" East; THENCE from said Section Corner along the westerly boundary of said Section 26 North 0°06'56" West, 2640 feet to the West Quarter Corner of said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records of said county, said corner also being the Southwest Corner of the Southwest Quarter of the Northwest Quarter of said Section 26; THENCE leaving said westerly boundary and along the southerly boundary of the said Southwest Quarter of the Northwest Quarter South 89°27'12" East, 326.65 feet to a point designated as Point "B" for reference purposes; THENCE continuing along said boundary South 89°27' 12" East, 973.76 feet to the southerly corner common to the said Southwest Quarter of the Northwest Quarter and said Government Lot 2, said point also being the TRUE PONT OF BEGINNING of the parcel to be described; THENCE along the southerly boundary of said Government Lot 2 South 89°27'12" East, 300.01 feet; THENCE leaving said southerly boundary and parallel with the westerly boundary of said Government Lot 2 North 0°06' 56" West, 1716 feet, more or less, to a point on the northerly outer boundary of said Government Lot 2, THENCE northwesterly along said northerly outer boundary to a point on the westerly boundary of said Government Lot 2; THENCE leaving said outer boundary and along said westerly boundary South .0°06' 56"East, 1846 feet, more or less, to the True Point of Beginning.

TOGETHER WITH a portion of Government Lot 1, Section 26, Township 36 North, Range 2 West, W.M., Shaw Island, County of San Juan, State of Washington, described as follows:

Commencing at the 1" diameter iron pipe shown of record as marking the Southwest Corner of said Section 26, from which the 5/8" diameter rebar described by instrument recorded under Auditor's File No. 91173422, records of said county, as marking the South Quarter Corner of said Section 26 bears South 89°27'12" East; THENCE from said Section Corner along the westerly boundary of said Section 26 North 0°06'56" West, 2640 feet to the West Quarter Corner of said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records of said county, said corner also being the Southwest Corner of the Southwest Quarter of the Northwest Quarter of said Section 26; THENCE leaving said westerly boundary and along the southerly boundary of the said Southwest Quarter of the Northwest Quarter South 89°27'12" East, 326.65 feet to a point designated as Point "B" for reference purposes; THENCE continuing along said boundary South 89°27' 12" East, 973.76 feet to the southerly corner common to the said Southwest Quarter of the Northwest Quarter and Government

Lot 2 of said Section 26; THENCE leaving said southerly boundary and along the boundary common to the said Southwest Quarter of the Northwest Quarter and Government Lot 2 North 0°06'56" West, 1320.00 feet to the easterly corner common to the said Southwest Quarter of the Northwest Quarter and said Government Lot 1; THENCE along the boundary common of said Government Lot 1 and said Government Lot 2 and continuing North 0°06'56" West, 256.05 feet to the TRUE POINT OF BEGINNING of the parcel to be described; THENCE leaving said Government Lot line, North 60°06'56" West, 440.00 feet; THENCE North 8°06'56" West, 572 feet, more or less, to a point on the northerly outer boundary of said Government Lot 1; THENCE easterly and southeasterly along said outer boundary to a point on the boundary common to said Government Lot 1 and said Government Lot 2; THENCE leaving said outer boundary and along the boundary common to said Government Lot 1 and said Government Lot 2 South 0°06'56" East, 270 feet, more or less, to the True Point of Beginning.

Tax Parcel No. 262624001

(Parcel 4)

Government Lot 2 of Section 26, Township 36 North, Range 2 West, W.M., Shaw Island, County of San Juan, State of Washington,

EXCEPTING there from that portion described as follows:

Commencing at the 1" diameter iron pipe shown of record as marking the Southwest Corner of said Section 26, from which the 5/8" diameter rebar described by instrument recorded under Auditor's File No. 91173422, records of said county, as marking the South Quarter Corner of said Section 26 bears South 89°27' 12" East; THENCE from said Section Corner along the westerly boundary of said Section 26 North 0°06'56" West, 2640.00 feet to West Quarter Corner of

said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records of said county, said corner also being the Southwest Corner of the Southwest Quarter of the Northwest Quarter of said Section 26; THENCE leaving said westerly boundary and along the southerly boundary of the said Southwest Quarter of the Northwest Quarter South 89°27'12" East, 326.65 feet to a point designated as Point "B" for reference purposes; THENCE continuing along said boundary South 89°27'12" East, 973.76 feet to the southerly corner common to the said Southwest Quarter of the Northwest Quarter and said Government Lot 2, said point also being the TRUE POINT OF BEGINNING of the parcel to be described; THENCE along the southerly boundary of said Government Lot 2 South 89°27'12" East, 300.01 feet; THENCE leaving said southerly boundary and parallel with the westerly boundary of said Government Lot 2 North 0°06'56" West, 1716 feet, more or less, to a point on the northerly outer boundary of said Government Lot 2; THENCE northwesterly along said northerly outer boundary to a point on the westerly boundary of said Government Lot 2; THENCE leaving said outer boundary and along said westerly boundary South 0°06'56" East, 1846 feet, more or less, to the True Point of Beginning.

Tax Parcel No. 262631003

(Parcel 5)

A portion of Government Lot 7, Section 26, Township 36 North, Range 2 West, W.M., Shaw Island, County of San Juan, State of Washington, described as follows:

Commencing at the 1" diameter iron pipe shown of record as marking the Southwest Corner of said Section 26, from which the 5/8" diameter rebar described by instrument recorded under Auditor's File No. 91173422, records of said county, as marking the South Quarter Corner of said Section 26 bears South 89°27' 12" East; THENCE from said Section Corner along the westerly boundary of Said Section 26, the same being the westerly boundary of Government Lot 8 of said Section 26 North 0°06'56" West, 1320.00 feet to the Northwest Corner of said Government Lot 8, from which the West Quarter Corner of said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records

of said county, bears North 0°06'56" West, 1320.00 feet; THENCE leaving said westerly boundary and running along said northerly boundary of said Government Lot 8 South 89°27' 12" East, 1320.42 feet to the Southwest Corner of said Government Lot 7; THENCE leaving said northerly boundary and along the westerly boundary of said Government Lot 7 North 0°06'56" West, 840.00 feet to the TRUE POINT OF BEGINNING of the parcel to be described; THENCE continuing along said westerly boundary North 0°06'56" West, 480.00 feet to the Northwest Corner of said Government Lot 7; THENCE along the northerly boundary of said Government Lot 7 south 89°27'12" East, 1320.42 feet to the Northeast corner of said Government Lot 7; THENCE along the easterly boundary of said Government Lot 7 South 0°06'56" East, 272.70 feet to the angle point in the said easterly boundary, said point also being the northerly corner of

Government Lot 12 of said Section 26; THENCE along the common boundary of said Government Lot 7 and Government Lot 12 South 30°09'50" West, 238.43 feet; THENCE leaving said common boundary and parallel with the northerly boundary of said Government Lot 7 North 89°27' 12" West, 1200.18 feet to the True Point of Beginning.

Tax Parcel No.

262632002 (Parcel 9)

All that portion of the Northwest Quarter of the Southwest Quarter of Section 26, Township 36 North, Range 2 West, W.M., Shaw Island, County of San Juan, State of Washington, described as follows:

Commencing at the 1" diameter pipe shown of record as marking the Southwest Corner of said Section 26, from which the 5/8" diameter rebar described by instrument recorded under Auditor's File No. 91173422, records of said county, as marking the South Quarter Corner of said Section 26 bears South 89°27'12" East; THENCE from said Section Corner along the westerly boundary of said Section 26 North 0°06'56" West, 2640.00 feet to West Quarter Corner of said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records of said county, said corner also being the Northwest Corner of the said Northwest Quarter of the Southwest Quarter, and, said point also being the TRUE POINT OF BEGINNING of the parcel to be described; THENCE leaving said westerly boundary and along the northerly boundary of the said Northwest Quarter of the Southwest Quarter South 89°27'12" East, 326.65 feet to a point designated as Point "B" for reference purposes; THENCE leaving said northerly boundary South 18°24'20" West, 61.31 feet; THENCE South 13°46'10" West, 311.28 feet; THENCE South 1°58'06" West, 239.76 feet; THENCE South 2°24'48" East, 115.66 feet; THENCE South 5°20'57" East, 192.94 feet; THENCE South 0°16'22" East, 59.07 feet; THENCE South 5°44'14" West, 110.06 feet to the P.C. of a curve to the right having a central angle of 32°51'20" and radius of 225.00 feet; THENCE along said curve 129.02 feet; THENCE South 38°35'35" West, 158.01 feet to a point on the southerly boundary of the said Northwest Quarter of the Southwest Quarter, said point being designated as Point "C" for reference purposes; THENCE along said southerly boundary North 89°27' 12" West, 87.85 feet to the Southwest Corner of the said Northwest Quarter of the Southwest Quarter; THENCE along the westerly boundary of the said Northwest Quarter of the Southwest Quarter, the same being the westerly boundary of said Section 26 North 0°06' 56" West, 1320.00 feet to the True Point of Beginning.

Tax Parcel No. 262632003

(Parcel 10)

The Northwest Quarter of the Southwest Quarter of Section 26, Township 36 North, Range 2 West, W.M., Shaw Island, County of San Juan, State of Washington,

EXCEPT the following described portion thereof:

Commencing at the 1" diameter pipe shown of record as marking the Southwest Corner of said Section 26, from which the 5/8" diameter rebar described by

instrument recorded under Auditor's File No. 91173422, records of said county as marking the South Quarter Corner of said Section 26 bears South 89°27' 12" East; THENCE from said Section Corner along the westerly boundary of said Section 26 North 0°06'56" West, 2640.00 feet to West Quarter Corner of said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records of said county, said corner also being the Northwest Corner of the said Northwest Quarter of the Southwest Quarter, and, said point also being the TRUE POINT OF BEGINNING of the parcel to be described; THENCE leaving said westerly boundary and along the northerly boundary of the said Northwest Quarter of the Southwest Quarter South 89°27'12" East, 326.65 feet to a point designated as Point "B" for reference purposes; THENCE leaving said northerly boundary South 18°24'20" West, 61.31 feet; THENCE South 13°46'10" West, 311.28 feet; THENCE South 1°58'06" West, 239.76 feet; THENCE South 2°24'48" East, 115.66 feet; THENCE South 5°20'57" East, 192.94 feet; THENCE South 0°16'22" East, 59.07 feet; THENCE South 5°44'14" West, 110.06 feet to the P.C. of a curve to the right having a central angle of 32°51'20" and radius of 225.00 feet; THENCE along said curve 129.02 feet; THENCE South 38°35'35" West, 158.01 feet to a point on the southerly boundary of the said Northwest Quarter of the Southwest Quarter, said point being designated as Point "C" for reference purposes; THENCE along said southerly boundary North 89°27' 12" West, 87.85 feet to the Southwest Corner of the said Northwest Quarter of the Southwest Quarter; THENCE along the westerly boundary of the said Northwest Quarter of the Southwest Quarter, the same being the westerly boundary of said Section 26 North 0°06'56" West, 1320.00 feet to the True Point of Beginning.

EXCEPT the following described portion thereof:

All that portion of real property lying southeasterly of the following described line:

A straight line drawn between the northeast corner and the southwest corner of the southeast quarter of the northwest quarter of the southwest quarter of Section 26, Township 36 North, Range 2 West, W.M.

Tax Parcel No. 262623002

(Parcel 13)

A portion of the Southwest Quarter of the Northwest Quarter of Section 26, Township 36 North, Range 2 West, W.M., Shaw Island, County of San Juan, State of Washington, described as follows:

Commencing at the 1" diameter iron pipe shown of record as marking the Southwest corner of said Section 26, from which the 5/8" diameter rebar described by instrument recorded under Auditor's File No. 91173422, records of said county, as marking the South Quarter Corner of said Section 26 bears South 89°27'12" East; THENCE from said Section Corner along the westerly boundary of said Section 26 North 0°06'56" West, 2640.00 feet to West Quarter Corner of said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records of said county, said corner also being the Southwest Corner of the said Southwest Quarter of the Northwest Quarter, and, said point also being the TRUE POINT OF BEGINNING of the parcel to be described; THENCE leaving said westerly boundary and along the southerly boundary of the said Southwest Quarter of the Northwest Quarter South 89°27'12" East, 326.65 feet to a point designated as Point "B" for reference purposes; THENCE leaving said southerly boundary North 18°24'20" East, 99.86 feet to the P.C. of a curve to the left having a central angle of 36°18'16" and a radius of 170.00 feet; THENCE along said curve 107.72 feet to the P.T.; THENCE North 17°53'56" West, 98.56 feet to the P.C. of a curve to the right having a central angle of 42°51'42" and a radius of 90.00 feet; THENCE along said curve 67.33 feet to the P.T.; THENCE North 24°57'46" East, 86.92 feet to the P.C. of a curve to the right having a central angle of 57°51'13" and a radius of 110.13 feet; THENCE along said curve 111.20 feet to the P.T., and, the P.C. of a curve to the left having a central angle of 63°26'22" and a radius of 125.00 feet; THENCE along said curve 138.40 feet;

THENCE North 19°22'36" East, 102.92 feet; THENCE North 35°05'54" East, 212.02 feet; THENCE North 14°47'00" East, 135.42 feet; THENCE North 20°15'48" West, 200.21 feet; THENCE North 25°24'17" West, 103.14 feet; THENCE North 12°27'56" West, 51.62 feet to a point on the northerly boundary of the said Southwest Quarter of the Northwest Quarter, said point being designated as Point "A" for reference purposes; THENCE along said northerly boundary North 89°27'12" West, 626.01 feet to the Northwest Corner of the said Southwest Quarter of the Northwest Quarter; THENCE along the westerly boundary of the said Southwest Quarter of the Northwest Quarter, the same being the westerly boundary of said Section 26 South 0°06'56" East, 1320.00 feet to the True Point of Beginning.

Tax Parcel No. 262623001

(Parcel 14)

The Southwest Quarter of the Northwest Quarter of Section 26, Township 36 North, Range 2 West, W.M., Shaw Island, County of San Juan, State of Washington,

EXCEPT that portion described as follows:

Commencing at the 1" diameter iron pipe shown of record as marking the Southwest Corner of said Section 26, from which the 5/8" diameter rebar described by instrument recorded under Auditor's File No. 91173422, records of said county, as marking the South Quarter Corner of said Section 26 bears South 89°27'12" East; THENCE from said Section Corner along the westerly boundary of said Section 26 North 0°06'56" West, 2640.00 feet to West Quarter Corner of said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records of said county, said corner also being the Southwest Corner of the said Southwest Quarter of the Northwest Quarter, and, said point also being the TRUE POINT OF BEGINNING of the parcel to be described; THENCE leaving said westerly boundary and along the southerly boundary of the said Southwest Quarter of the Northwest Quarter South 89°27'12" East, 326.65 feet to a point designated as Point "B" for reference purposes; THENCE leaving said southerly boundary North 18°24'20" East, 99.86 feet to the P.C. of a curve to the left having a central angle of 36°18'16" and a radius of 170.00 feet; THENCE along said curve 107.72 feet to the P.T.; THENCE North 17°53'56" West, 98.56 feet to the P.C. of a curve to the right having a central angle of 42°51'42" and a radius of 90.00 feet; THENCE along said curve 67.33 feet to the P.T.; THENCE North 24°57'46" East, 86.92 feet to the P.C. of a curve to the right having a central angle of 57°51'13" and a radius of 110.13 feet; THENCE along said curve 111.20 feet to the P.T., and, the P.C. of a curve to the left having a central angle of 63°26'22" and a radius of 125.00 feet; THENCE along said curve 138.40 feet; THENCE North 19°22'36" East, 102.92 feet; THENCE North 35°05'54" East, 212.02 feet; THENCE North 14°47'00" East, 135.42 feet; THENCE North 20°15'48" West, 200.21 feet; THENCE North 25°24'17" West, 103.14 feet; THENCE North 12°27'56" West, 51.62 feet to a point on the northerly boundary of the said Southwest Quarter of the Northwest Quarter, said point being designated as Point "A" for reference purposes; THENCE along said northerly boundary North 89°27'12" West, 626.01 feet to the Northwest Corner of the said Southwest Quarter of the Northwest Quarter; THENCE along the westerly boundary of the said Southwest Quarter of the Northwest Quarter, the same being the westerly boundary of said Section 26 South 0°06'56" East, 1320.00 feet to the True Point of Beginning.

Tax Parcel Nos. 262622002 and 262622003

(Parcel 15)

A portion of Government Lot 1 of Section 26, Township 36 North, Range 2 West, W.M., Shaw Island, County of San Juan, State of Washington, described as follows:

Commencing at the 1" diameter iron pipe shown of record as marking the Southwest Corner of said Section 26, from which the 5/8" diameter rebar described by instrument recorded under Auditor's File No. 91173422, records of said county, as marking the South Quarter Corner of said Section 26 bears South 89°27'12" East; THENCE from said Section Corner along the westerly boundary of said Section 26 North 0°06'56" West, 2640.00 feet to West Quarter Corner of said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records of said county; THENCE continuing along said westerly boundary North 0°06'56" West, 1320.00 feet to the Southwest Corner of said Government Lot 1, said point also being the TRUE POINT OF BEGINNING of the parcel to be described; THENCE leaving said westerly boundary and along the southerly boundary of said Government Lot 1 South 89°27'12" East, 626.01 feet to a point designated as Point "A" for reference purposes; THENCE leaving said southerly boundary North 12°27'56" West, 47.23 feet; THENCE North 3°04'03" West, 232.70 feet; THENCE North 36°51'49" East, 170.86 feet; THENCE North 27°06'37" West, 455.75 feet; THENCE North 68°17'28" West, 215 feet, more or less, to a point on the northwesterly outer boundary of said Government Lot 1; THENCE southwesterly along said outer boundary to a point on the westerly boundary of said Government Lot 1, the same being a point on the westerly boundary of said Section 26; THENCE leaving said outer boundary and along said westerly boundary South 0°06'56" East, 513 feet, more or less, to the True Point of Beginning;

Modified Tax Parcel No. 262622001
(Parcel 16)

Government Lot 1, Section 26, Township 36 North, Range 2 West, W.M., Shaw Island, County of San Juan, State of Washington;

EXCEPT a portion thereof described as follows:

Commencing at the 1" diameter iron pipe shown of record as marking the Southwest Corner of said Section 26, from which the 5/8" diameter rebar described by instrument recorded under Auditor's File No. 91173422, records of said county, as marking the South Quarter Corner of said Section 26 bears South 89°27' 12" East; THENCE from said Section Corner along the westerly boundary of said Section 26 North 0°06'56" West 2640 feet to the West Quarter Corner of said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records of said county; THENCE continuing along said westerly

boundary North 0°06'56" West, 1320.00 feet to the Southwest Corner of Said Government Lot 1, said point also being the TRUE POINT OF BEGINNING of the parcel to be described; THENCE leaving said westerly boundary and along the southerly boundary of said Government Lot 1 South 89°27' 12" East, 626.01 feet to a point designated as Point "A" for reference purposes; THENCE leaving said southerly boundary North 12°27'56" West, 47.23 feet; THENCE North 3°04'03" West 232.70 feet; THENCE North 36°51'49" East, 170.86 feet; THENCE North 27° 06'37" West, 455.75 feet; THENCE North 68°17'28" West, 215 feet, more or less to a point on the northwesterly outer boundary of said Government Lot 1; THENCE southwesterly along said outer boundary to a point on the westerly boundary of said Government Lot 1, the same point being a point of the westerly boundary of said Section 26; THENCE leaving said outer boundary and along said westerly boundary South 0°06'56" East, 513 feet, more or less, to the True Point of Beginning.

AND ALSO EXCEPT:

A portion of said Government Lot 1 described as follows:

Commencing at the 1" diameter iron pipe shown of record as marking the Southwest Corner of said Section 26, from which the 5/8" diameter rebar described by instrument recorded under Auditor's File No. 91173422, records of said county, as marking the South Quarter Corner of said Section 26 bears South

89°27'12" East; THENCE from said Section Corner along the westerly boundary of said Section 26 North 0°06'56" West, 2640 feet to the West Quarter Corner of said Section 26 as described by instrument recorded under Auditor's File No. 96042315, records of said county, said corner also being the Southwest Corner of the Southwest Quarter of the Northwest Quarter of said Section 26; THENCE leaving said westerly boundary and along the southerly boundary of the said Southwest Quarter of the Northwest Quarter South 89°27'12" East, 326.65 feet to a point designated as Point "B" for reference purposes; THENCE continuing along said boundary South 89°27' 12" East, 973.76 feet to the southerly corner common to the said Southwest Quarter of the Northwest Quarter and Government Lot 2 of said Section 26; THENCE leaving said southerly boundary and along the boundary common of the said Southwest Quarter of the Northwest Quarter and Government Lot 2 North 0°06'56" West, 1320.00 feet to the easterly corner common to the said Southwest Quarter of the Northwest Quarter and said Government Lot 1; THENCE along the boundary common to said Government Lot 1 and said Government Lot 2 and continuing North 0°06'56" West 256.05 feet to the TRUE POINT OF BEGINNING of the parcel to be described; THENCE leaving said Government Lot line, North 60°06'56" West, 440.00 feet; THENCE North 8°06'56" West, 572 feet, more or less, to a point on the northerly outer boundary of said Government Lot 1; THENCE easterly and southeasterly along said outer boundary to a point on the boundary common to said Government Lot 1 and said Government Lot 2; THENCE leaving said outer boundary and along the boundary common to said Government Lot 1 and said Government Lot 2 South 0°06'56" East, 270 feet, more or less, to the True Point of Beginning.

Tax Parcel No. 262614001

(Parcel A)

GOVERNMENT LOT 4 IN SECTION 26, TOWNSHIP 36 NORTH, RANGE 2 WEST, W.M., IN SAN JUAN COUNTY, WASHINGTON.

Tax Parcel Nos. 262613002, 262613003, 262613004, 262613005, 262613006, and 262613007

(Parcel B)

GOVERNMENT LOT 9 IN SECTION 26, TOWNSHIP 36 NORTH, RANGE 2 WEST, W.M., IN SAN JUAN COUNTY, WASHINGTON.

Tax Parcel No. 262613001

(Parcel C)

GOVERNMENT LOT 3 IN SECTION 26, TOWNSHIP 36 NORTH, RANGE 2 WEST, W.M., IN SAN JUAN COUNTY, WASHINGTON.

Tax Parcel No. 262642001

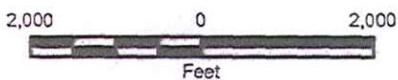
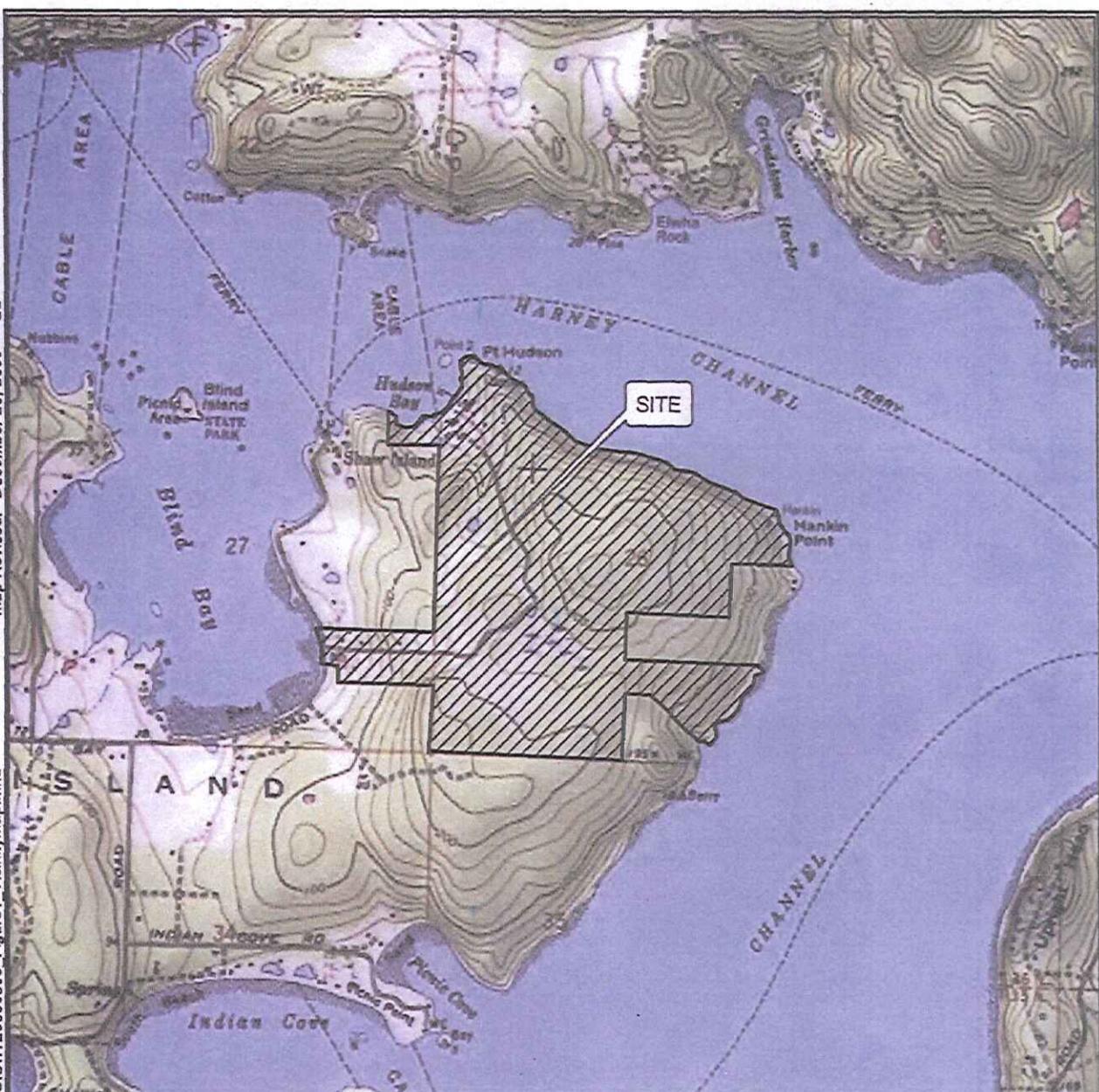
(Parcel I)

GOVERNMENT LOT 11 IN SECTION 26, TOWNSHIP 36 NORTH, RANGE 2 WEST, W.M., IN SAN JUAN COUNTY, WASHINGTON;

EXCEPT the South 600 feet thereof.

Map Revised: December 28, 2009 EL

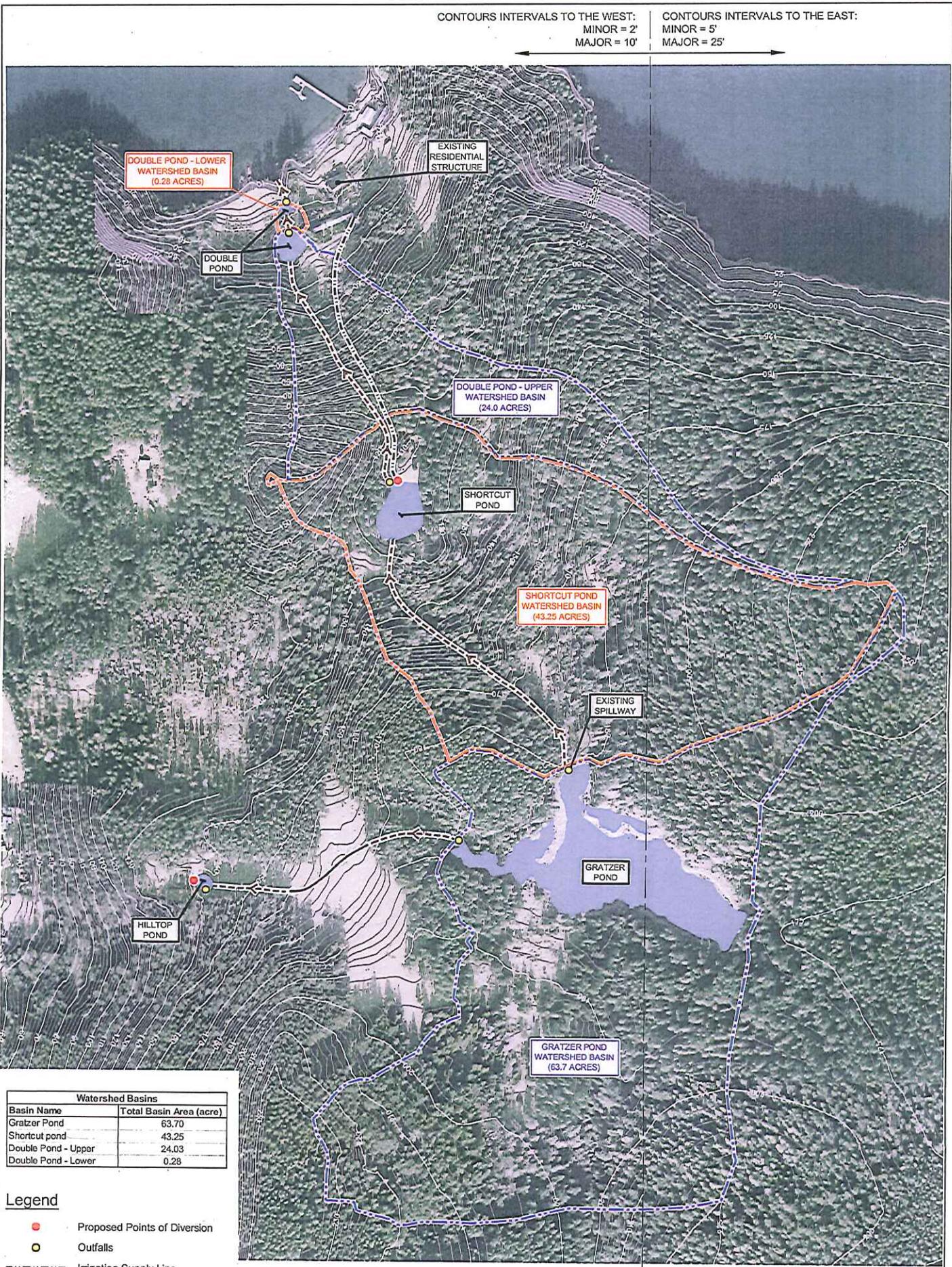
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Office: Seattle



Notes:
 1. The locations of all features shown are approximate.
 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
 3. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without permission.
 Data Sources: ESRI Data & Maps, Street Maps 2005
 Transverse Mercator, Zone 10 N North, North American Datum 1983

Vicinity Map	
Shaw Island Trust Shaw Island, Washington	
GEOENGINEERS 	Figure 1

Attachment 4



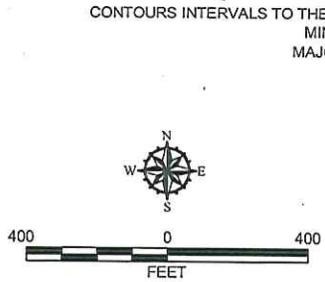
Watershed Basins	
Basin Name	Total Basin Area (acre)
Gratzler Pond	63.70
Shortcut pond	43.25
Double Pond - Upper	24.03
Double Pond - Lower	0.28

- Legend**
- Proposed Points of Diversion
 - Outfalls
 - Irrigation Supply Line
 - Open Conveyance
 - Piped Conveyance

Notes

- The locations of all features shown are approximate.
- This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

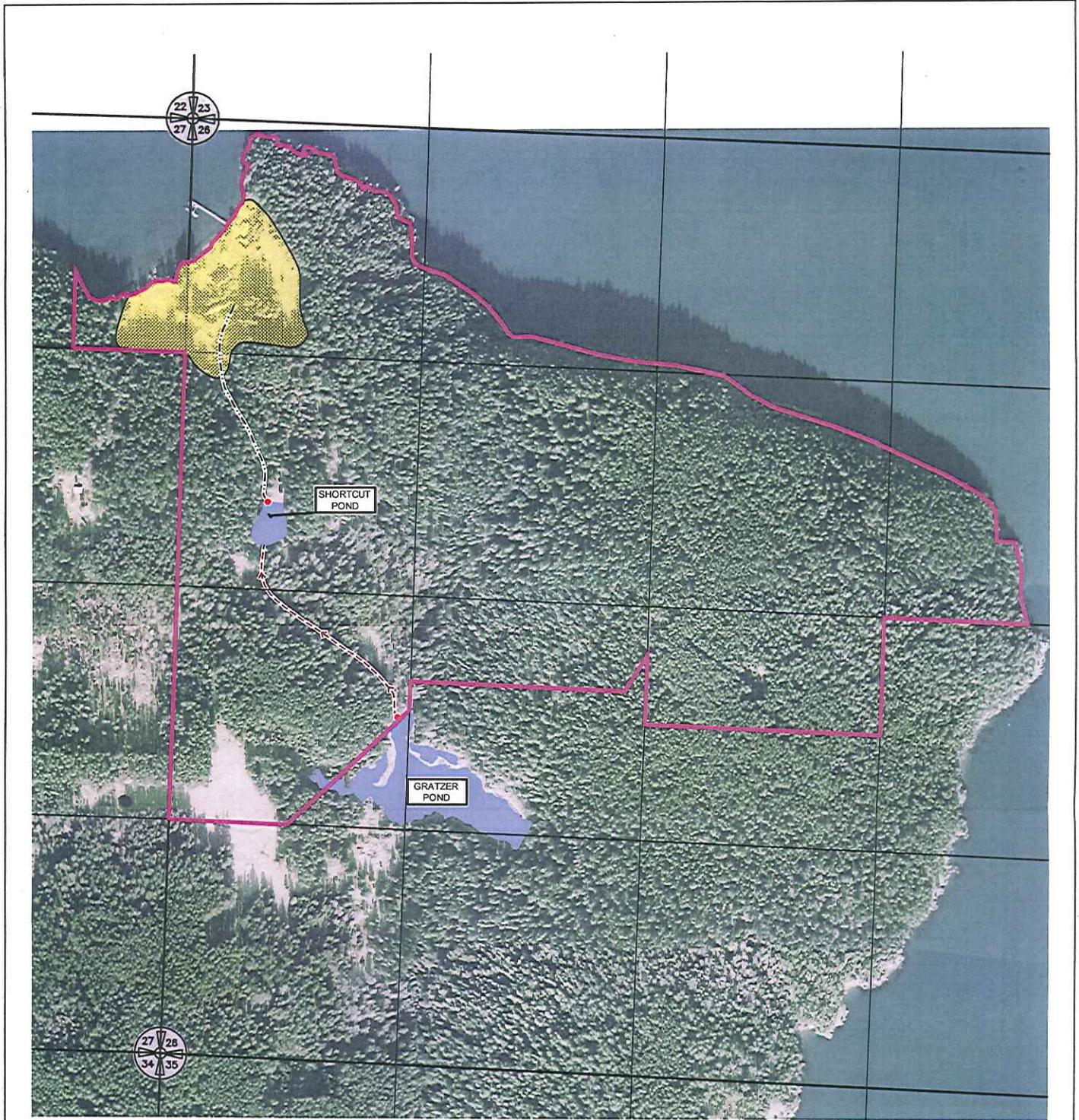
Reference: Base aerial photo provided by Aerometric, Inc. Site topography from AutoCAD drawing Shaw Island_Prelim Topo_Mar 17.dwg provided by Aerometric, Inc.



Gratzler Pond Watershed Basin Plan	
Shaw Island Trust Property Shaw Island, Washington	
GEOENGINEERS	Figure 2

P:\17\235003\10\CAD\WATER RIGHTS FIGURES\1723-00301 IRREGATION FIG.DWG\TAB.FIG 2 MODIFIED BY TRICHARD ON JAN 21, 2010 - 11:07

Attachment 5



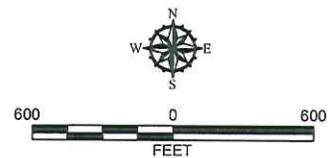
P:\1717255003\01\CAD\WATER RIGHTS FIGURE\1...500300 WATER RIGHTS SHORTCUT.DWG\TAB: LAYOUT MODIFIED BY THICHAUD ON JAN 20, 2010 - 15:44

Legend

- Proposed Points of Diversion
- Irrigation Area
- Place of Use
- Irrigation Supply Line
- Open Conveyance
- Section Corner

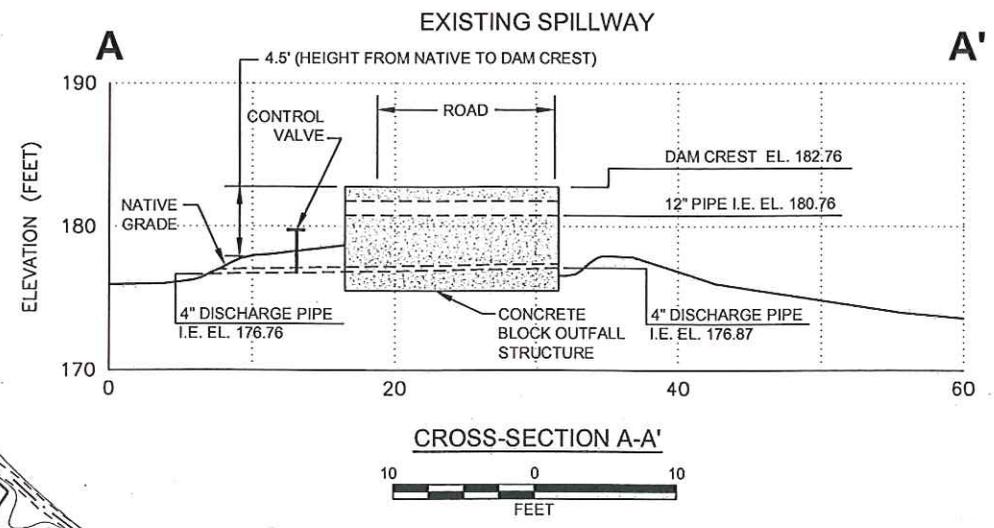
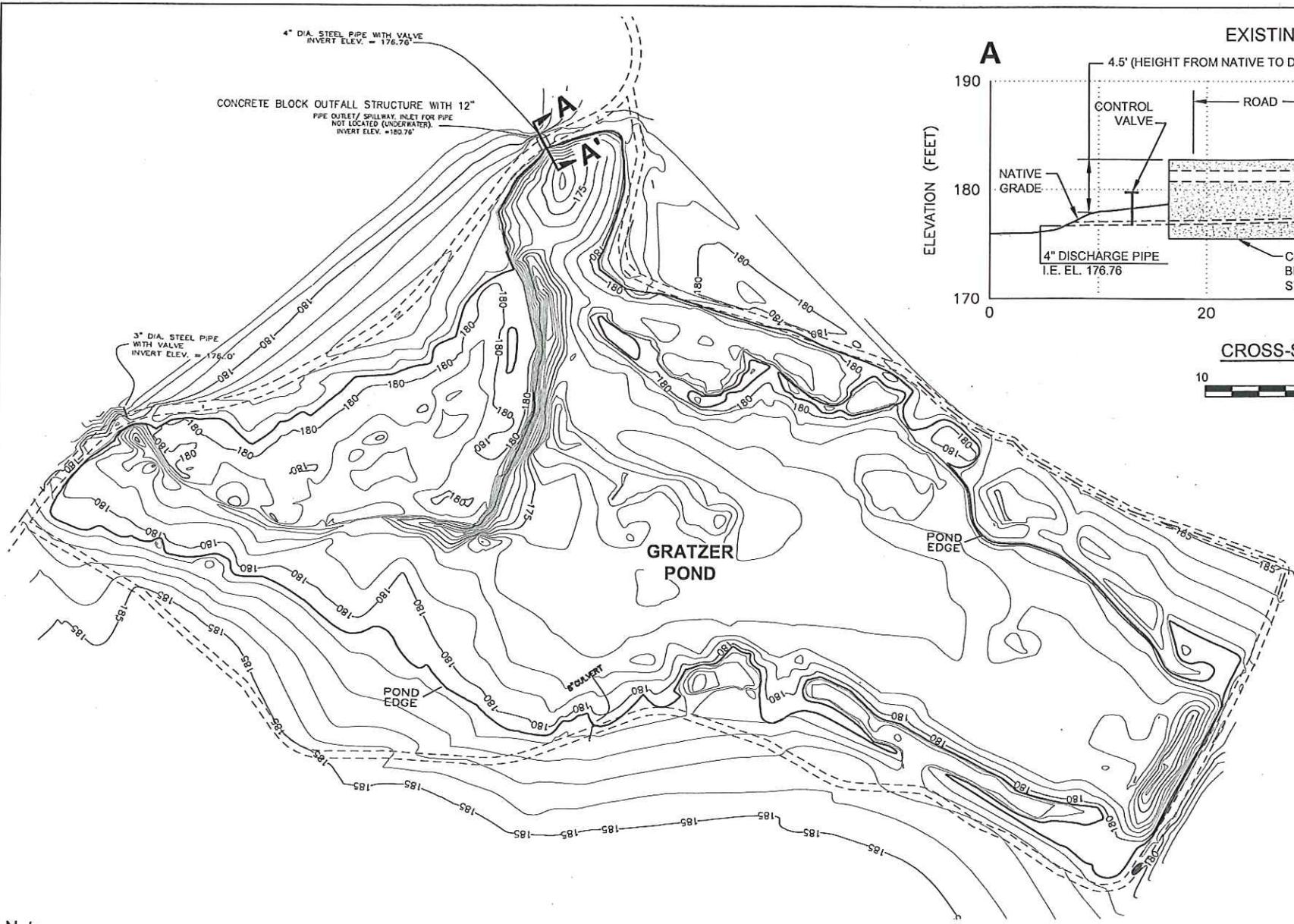
Notes

1. The locations of all features shown are approximate.
 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
- Reference: Base aerial photo provided by Aerometric, Inc. Site topography from AutoCAD drawing Shaw Island_Prelim Topo_Mar 17.dwg provided by Aerometric, Inc.



Water Rights Application - Shortcut Pond	
Shaw Island Trust Shaw Island, Washington	
GEOENGINEERS	Figure 1

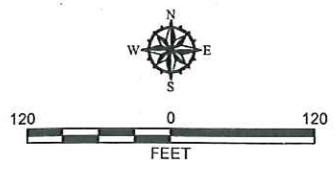
P:\17\235003\01\CAD\WATER RIGHTS FIGURES\723500301 DAM SAFETY.DWG\TAB-DAM CREST MODIFIED BY TRICHAUD ON JAN 21, 2010 - 11:20



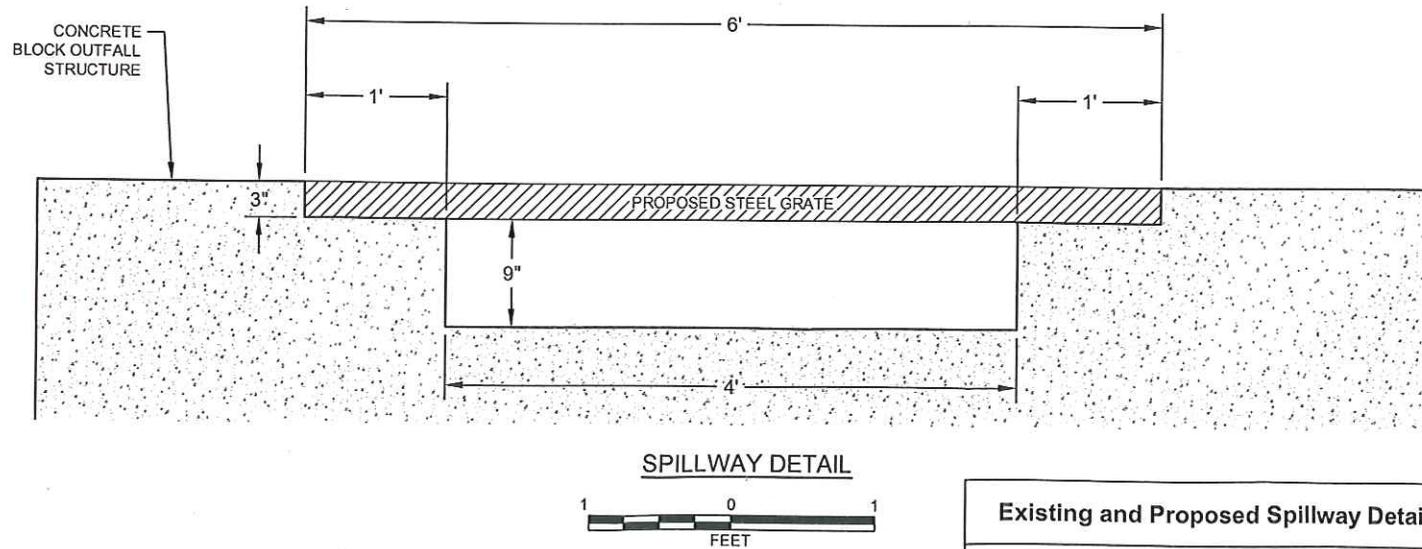
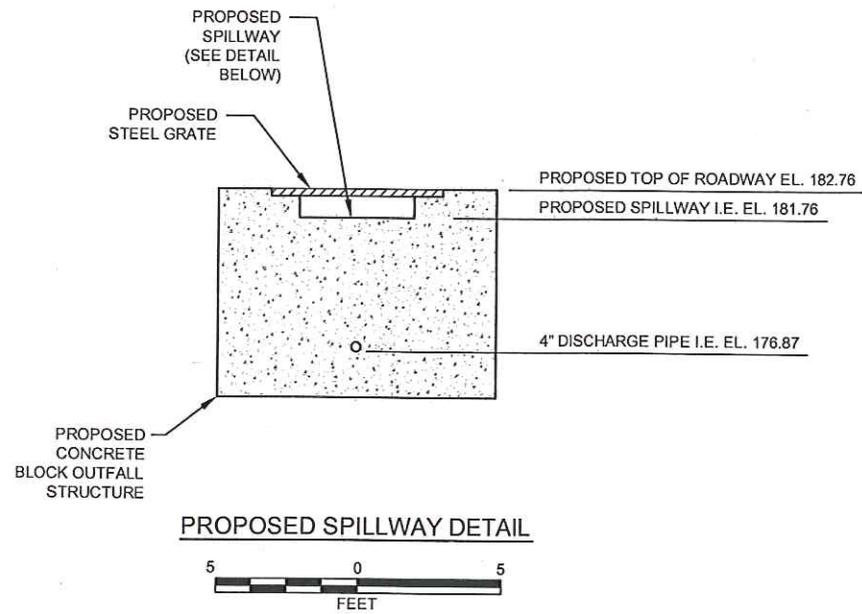
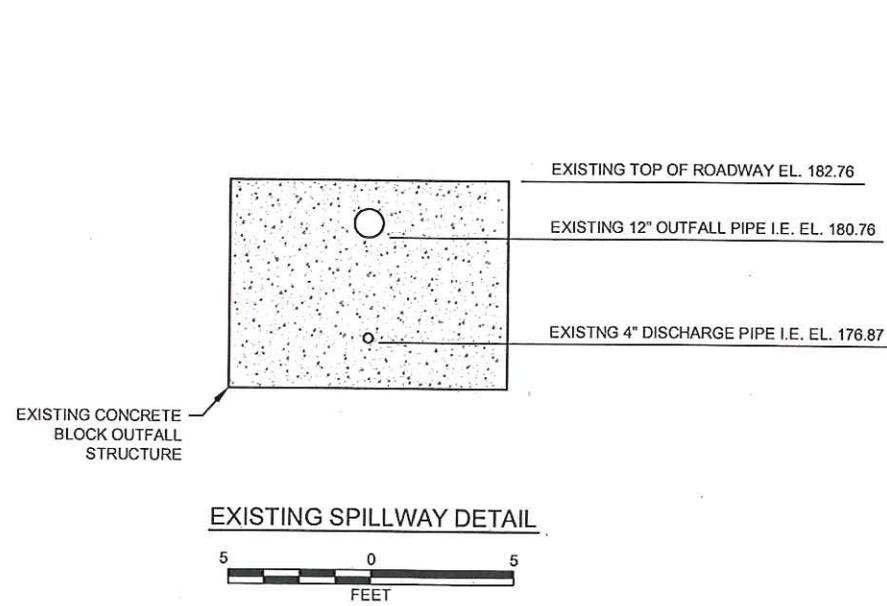
Notes

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Gratzler Pond Topo 4-23-09.dwg



Gratzler Pond Dam Plan	
Shaw Island Trust Shaw Island, Washington	
GEOENGINEERS	Figure 3



Notes

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Existing and Proposed Spillway Details	
Shaw Island Trust Shaw Island, Washington	
GEOENGINEERS 	Figure 4

Attachment 8



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
WATER RIGHT CLAIMS REGISTRATION

WATER RIGHT CLAIM

JAN 10 73 03 1231

1. NAME AUGUSTE GRATZER
ADDRESS SHAW ISLAND WASHINGTON
ZIP CODE 99286

2. SOURCE FROM WHICH THE RIGHT TO TAKE AND MAKE USE OF WATER IS CLAIMED: GROUND
(SURFACE OR GROUND WATER)
W.R.I.A. 02
(LEAVE BLANK)

A. IF GROUND WATER, THE SOURCE IS DRIVEN WELL
B. IF SURFACE WATER, THE SOURCE IS _____

3. THE QUANTITIES OF WATER AND TIMES OF USE CLAIMED:
A. QUANTITY OF WATER CLAIMED 5000 GALS PER 24 HRS PRESENTLY USED 1600 GALS PER 24 HRS
(CUBIC FEET PER SECOND OR GALLONS PER MINUTE)
B. ANNUAL QUANTITY CLAIMED 1825 CU YD PRESENTLY USED 365 CU GALS
(ACRE FEET PER YEAR)
C. IF FOR IRRIGATION, ACRES CLAIMED None PRESENTLY IRRIGATED None
D. TIME(S) DURING EACH YEAR WHEN WATER IS USED: ALL YEAR

4. DATE OF FIRST PUTTING WATER TO USE: MONTH JAN YEAR 1946

5. LOCATION OF THE POINT(S) OF DIVERSION/WITHDRAWAL: 300 FEET West AND 100
FEET NORTH FROM THE NORTH LINE OF SW 1/4 OF NW 1/4 CORNER OF SECTION 26
BEING WITHIN N.W. 1/4 OF SECTION 26 T. 36 N. N., R. 2 WEST
(E. OR W.) W.M.
IF THIS IS WITHIN THE LIMITS OF A RECORDED PLATTED PROPERTY, LOT _____ BLOCK _____ OF _____

(GIVE NAME OF PLAT OR ADDITION)
6. LEGAL DESCRIPTION OF LANDS ON WHICH THE WATER IS USED: ABOVE
W 1/2 NW 1/4 Sec 26 T 36 N R 2W WM
COUNTY SAN JUAN

7. PURPOSE(S) FOR WHICH WATER IS USED: STOCK AND DOMESTIC
8. THE LEGAL DOCTRINE(S) UPON WHICH THE RIGHT OF CLAIM IS BASED: SOLE OWNERSHIP SINCE 1956

DO NOT USE THIS SPACE
THE FILING OF A STATEMENT OF CLAIM DOES NOT CONSTITUTE AN ADJUDICATION OF ANY CLAIM TO THE RIGHT TO USE OF WATERS AS BETWEEN THE WATER USE CLAIMANT AND THE STATE OR AS BETWEEN ONE OR MORE WATER USE CLAIMANTS AND ANOTHER OR OTHERS. THIS ACKNOWLEDGEMENT CONSTITUTES RECEIPT FOR THE FILING FEE.
DATE RETURNED: THIS HAS BEEN ASSIGNED WATER RIGHT CLAIM REGISTRY NO.

I HEREBY SWEAR THAT THE ABOVE INFORMATION IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF
X A. R. K. K. K.
DATE 23 January 1973
IF CLAIM FILED BY DESIGNATED REPRESENTATIVE, PRINT OR TYPE FULL NAME AND MAILING ADDRESS OF AGENT BELOW.

FEB 14 73 022701
DIRECTOR - DEPARTMENT OF ECOLOGY

ADDITIONAL INFORMATION RELATING TO WATER QUALITY AND/OR WELL CONSTRUCTION IS AVAILABLE

A FEE OF \$2.00 MUST ACCOMPANY THIS WATER RIGHT CLAIM
RETURN ALL THREE COPIES WITH CARBONS INTACT, ALONG WITH YOUR FEE TO DEPARTMENT OF ECOLOGY WATER RIGHT CLAIMS REGISTRATION OLYMPIA, WASHINGTON 98504

ORIGINAL DWR