



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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October 14, 2016

Mr. Dennis McLerran, Regional Administrator
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue
Seattle, WA 98101

RE: Supplemental Information on Commercial Vessel Pumpout Availability to the Final Petition
to Designate the Waters of Puget Sound as a No Discharge Zone

Dear Mr. McLerran:

The Washington State Department of Ecology (Ecology) hereby submits the attached supplemental information on commercial vessel pumpout availability per the United States Environmental Protection Agency's (EPA) request. Although Ecology believes our original petition is sufficient to demonstrate adequate pumpout availability, we are providing this additional detail in order for EPA to complete its review and approval process.

As you are aware, we look forward to a timely decision on Ecology's No Discharge Zone petition to ensure greater protection for water quality and public health. If you have questions or comments, please feel free to contact Ecology's project lead, Amy Jankowiak at (425) 649-7195 or amy.jankowiak@ecy.wa.gov.

Sincerely,

Maia D. Bellon
Director

Enclosure

cc: Dan Opalski, Office of Water and Watersheds, EPA Region 10
Angela Adams, EPA Region 10
Peter Goldmark, Commissioner of Public Lands
John Wiesman, Washington State Department of Health
Sheida Sahandy, Puget Sound Partnership
Martha Kongsgaard, Puget Sound Partnership
Don Hoch, Washington State Parks
Jim Unsworth, Washington Department of Fish & Wildlife
Amy Jankowiak, Ecology

Commercial Vessel Pumpout Availability in Puget Sound (October 2016)

Introduction

After more than four years of research and an extensive stakeholder process, and in consultation with other applicable state agencies, the Washington State Department of Ecology (Ecology) concluded that there is sufficient need for establishing a Puget Sound wide No Discharge Zone (NDZ) to protect water quality. On July 21, 2016, Ecology submitted a *Final Petition to Designate the Waters of Puget Sound as a No Discharge Zone* (Final Petition) to the United States Environmental Protection Agency (US EPA).

Ecology concluded that there is sufficient need for establishing a NDZ in Puget Sound to protect water quality. Ecology also determined that there are a sufficient number of pumpout facilities and methods to prevent vessel sewage discharges available to recreational boaters and commercial vessels, with certain commercial vessels being allowed additional time (five years) to retrofit vessels.

This document focuses on commercial vessel pumpout capacity. The following information is a summary of commercial vessel pumpout availability in Puget Sound.

Commercial Vessel Population

Many different sizes and types of commercial vessels frequent Puget Sound. They range from smaller vessels used for charter fishing to huge freighters, tankers, ferry vessels, and cruise ships. According to the Puget Sound Maritime Air Forum (Starcrest 2007) study, there were 2,937 entries of large oceangoing vessels into Puget Sound in 2005 (Table 1). It was estimated that there are 678 other commercial vessels that operate mostly within Puget Sound (e.g., escort tugs) or have Puget Sound as their home port (e.g., the fleet of fishing vessels that travels to Alaska each year) (Table 2). Current vessel statistics are estimated to be similar to the data from 2005. Since the location of commercial vessels is more dynamic than that of recreational vessels, the question is less about the absolute number of commercial vessels in Puget Sound and more about vessel traffic patterns such as how many, what kind, and where are vessels operating at a given time.

Most commercial vessels are required to send out an Automated Identification System (AIS) signal (US Department of Homeland Security 2013). The AIS signal announces a ship's identity, type, and position in real time. The data is used by the US Coast Guard for homeland

security purposes and by ship captains to help avoid collisions. Some larger recreational vessels (such as yachts) may also use an AIS system and, therefore, would be included in this dataset.

Table 1. Oceangoing Vessel Entries into Puget Sound for 2005

Oceangoing Vessel Entries into Puget Sound for 2005	
Vessel Type	Number of Vessels
Auto Carriers	188
Bulk Carriers	310
Container Ships	1,336
Cruise Ships	167
General Cargo	169
Oceangoing Tugs	146
Miscellaneous	16
Reefer	5
Roll on Roll Off	133
Tanker	467
Total	2,937

Table 2. Puget Sound Harbor Vessel Population for 2005

Puget Sound Harbor Vessel Population for 2005	
Harbor Craft Vessel Type	Number of Vessels
Commercial Fishing	347
Ocean Tugboats	68
Harbor Tugboats	60
Excursion	60
Government	52
Ferry	45
Workboat	27
Assist and Escort Tugboats	19
Total	678

Automated Identification System data for 2005 was collected and compiled by the George Washington University Engineering Management and Systems Engineering Department. This data set is a compilation of every transit by large vessels with AIS transponders. The geographic units for this analysis were ‘Action Areas,’ which were assigned by the Partnership as part of the Action Agenda. The boundaries of each action area are depicted on

all the maps included in this document. The data was combined and summarized to reveal traffic density for each vessel type by day, and for each Action Area, as shown in Table 3.

Traffic density, for the purpose of this analysis, is defined as the total number of signals (the number of vessels) received in 2005, divided by 365 (the number of days in the year), and divided again by the square mileage of the Action Area. The result of this calculation gives an average number of vessels that passed through each square mile of an Action Area on any given day. Data from the table can be interpreted in many ways. The table can be used to determine which type of commercial vessels have the highest average density in Puget Sound (i.e., fishing vessels); which Action Area has the greatest density of commercial vessels (i.e., South Central Puget Sound); and, for individual Action Areas, which commercial vessels are dominant (for example in South Puget Sound, the tug-barge category has the greatest density, while in North Central Puget Sound, it is ferry traffic).

Table 3. Vessel Traffic Density (number of signals/mile²/day) by Vessel Type and Action Area for the VTRA Model.

Vessel Traffic Density (number of signals/mile ² /day) by Vessel Type and Action									
Action Area	Cargo Ship	Ferry	Fishing Vessel	Military Vessel	Passenger Ship	Research – Other	Sail-Whale	Tug-Barge	Total
Strait of Juan de Fuca	5.82	0.65	6.81	0.86	0.34	0.23	0.49	2.69	17.89
San Juan/Whatcom	2.89	1.98	17.62	1.19	0.35	0.04	0.50	4.31	28.88
Whidbey Basin	0.74	3.70	17.59	0.65	0.08	0.10	1.71	5.87	30.43
North Central Puget Sound	3.09	14.71	2.37	2.28	0.40	0.38	3.65	8.98	35.85
South Central Puget Sound	1.73	50.02	1.60	2.54	0.39	0.20	7.15	14.42	78.04
South Puget Sound	0.03	0.00	0.00	1.26	0.00	0.00	1.88	9.60	12.78
Hood Canal	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Puget Sound	3.90	5.35	9.91	1.18	0.32	0.17	1.30	4.87	26.99

VTRA = Vessel Traffic Risk Assessment

The South Central Puget Sound Action Area experiences the most commercial vessel traffic for almost all vessel categories (Table 3, Figure 1). The majority of the traffic is ferry vessels, but there is also a substantial amount of tugboat and ‘sail-whale’ traffic (yachts and whale-watching boats), followed by the other vessel categories. Cargo ship and fishing vessel traffic is highest along transit routes (such as the Strait of Juan de Fuca) and where there are major ports and refineries.

Washington State Department of Transportation (WSDOT) Ferries and U.S. military vessels use their own pumpout facilities (Herrera 2012b). Therefore, for the purpose of this analysis, these vessel categories were omitted, as their need for access to pumpout facilities is already met and would not be affected by the institution of an NDZ. When ferries and military vessels are

omitted (Figure 2), patterns in traffic among the other vessel categories become more apparent. Fishing vessels are the dominant vessel traffic category in the San Juan/Whatcom, Whidbey Basin, and the Strait of Juan de Fuca Action Areas. Tugs and barges are the dominant vessel traffic category in North and South Central Puget Sound, and the South Puget Sound Action Areas, although tug and barge traffic is moderately high in all of the Action Areas. Sail-whale activity is largely limited to the more urban action areas. Additional stakeholder input showed that many of the fishing vessels tend to go in to Seattle, Tacoma, and Bellingham area for moorage, refueling, and supplies. Tug vessels also are typically based out of Seattle, Harbor Island or the Shipping Canal, and Tacoma with some others spending time around Anacortes. Most of the tugs come in to the Seattle area for refueling and supplies. Small passenger vessels typically moor in Fisherman's Terminal when not out on their itineraries.

Many, if not most commercial vessels, will not have to modify their routines or vessels to be able to comply with an NDZ. The majority of large freight vessels (Table 1) and the commercial fishing fleet that works out of Alaska already hold their waste and discharge it outside of state waters, although these are voluntary measures. All WSDOT ferries and U.S. military vessels have holding tanks and use large-scale pumpout facilities where they are moored. It appears from the research that the primary vessels that may have to change their practices and likely retrofit their vessels are tug boats and those commercial fishing boats that operate almost exclusively within the proposed NDZ, as well as six to eight small overnight passenger vessels and a couple of NOAA research and survey vessels.

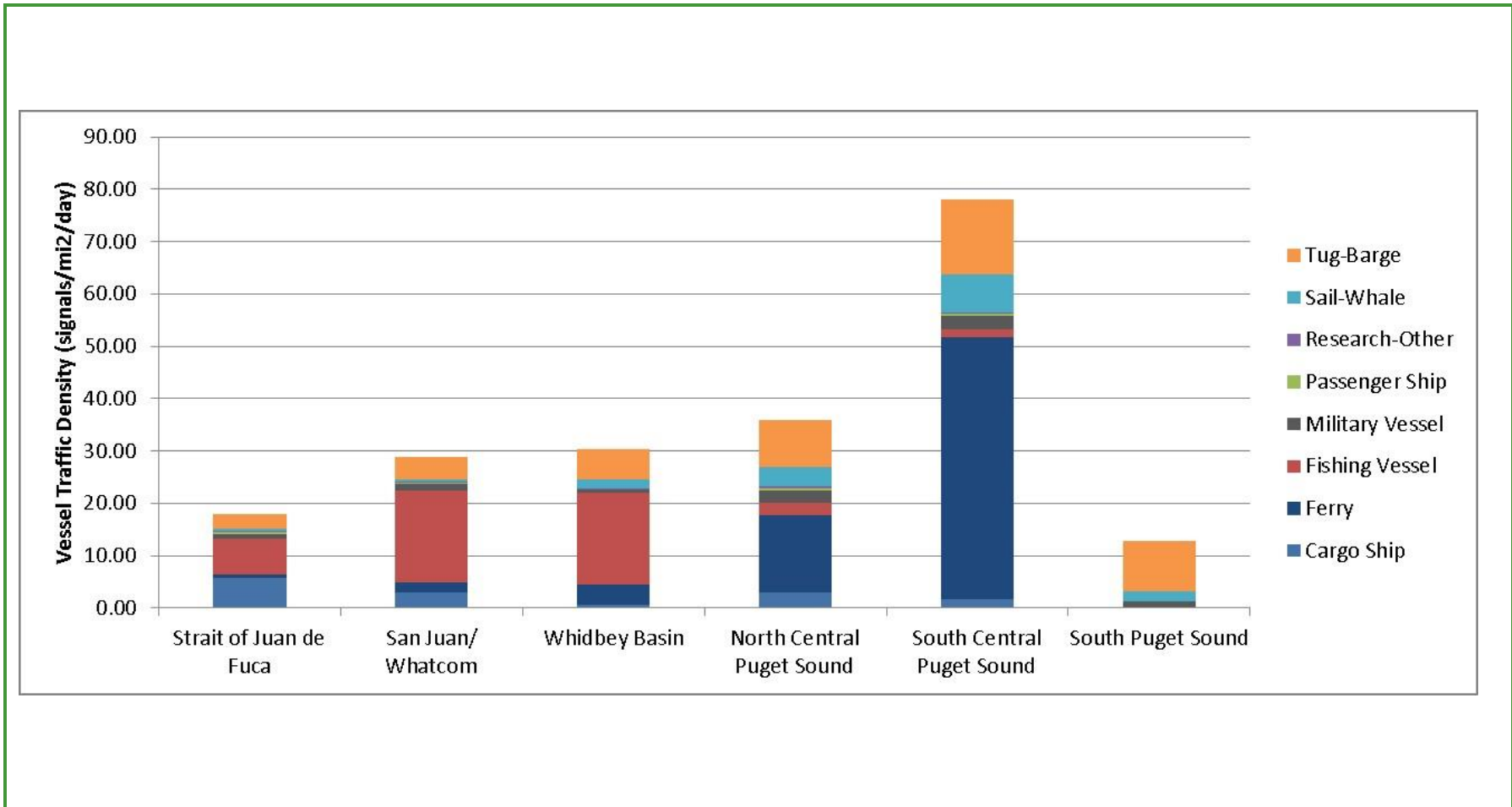


Figure 1. Summary of All Commercial Vessel Traffic in Puget Sound (AIS Data from 2005 (Final Petition 2016))

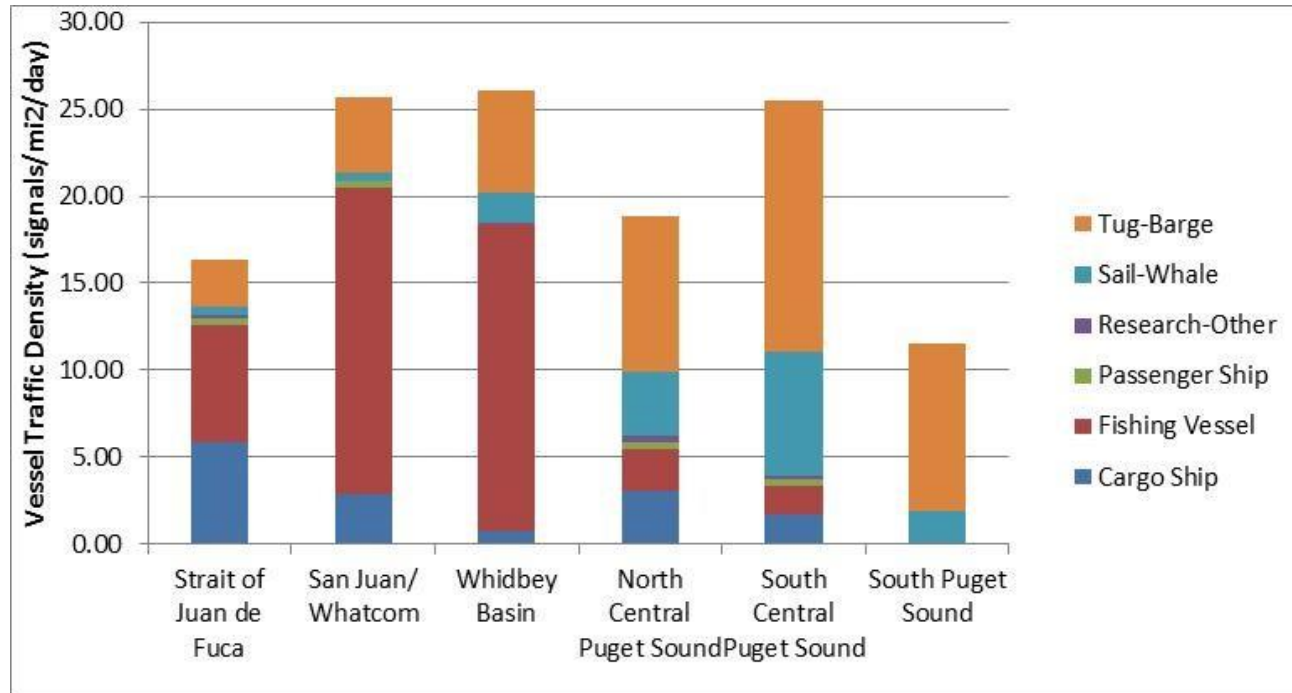


Figure 2. Selected Commercial Vessel Traffic in Puget Sound (AIS Data from 2005 (Final Petition 2016))

Pumpout Facilities and Commercial Vessels

The sewage management considerations of large commercial vessels are different than those of small recreational vessels. The ability of large commercial vessels to comply with NDZ regulations is dependent on the vessel's sewage holding capacity.

The large, oceangoing transient commercial vessels that are only in Puget Sound for a short period of time (e.g., large cruise ships, freighters and tankers) have large enough holding tanks so that they can hold their waste during the time they are in Puget Sound, with some exceptions. Should these vessels need to be pumped out, they can contract with a shore-based pumper truck or one of the mobile pumpout services. All WSDOT ferries and U.S. military vessels have holding tanks and use large-scale pumpout facilities where they are moored.

Smaller commercial vessels, such as ferries, tugboats, excursion vessels, and fishing vessels that are large enough to have toilet facilities on board, can either use the stationary pumpouts dedicated for their vessels, mobile pumpout service vessels, some recreational pumpouts, or shore-based pumper trucks. Stationary pumpout services for commercial vessels are included in Table 5.

The tug industry provided a list of preferred additional stationary pumpout locations and discussed their vessel logistics. The majority of the tug vessels refuel at Harbor Island, and sometimes in other locations such as Anacortes or Tacoma. Other possible locations, although not refueling there now, are the east waterway in Everett, and Fisherman's Terminal. The fishing industry has some vessels throughout Puget Sound, with a more significant population of the larger vessels that are typically in and out of Puget Sound to Alaska homeporting in Tacoma and Seattle. There is also a congregation of commercial fishing vessels in the Bellingham area with local fishing.

Current stationary pumpouts for commercial vessels are listed in Table 5. There are currently eight stationary pumpouts dedicated to Washington State Ferries (WSDOT ferries), three dedicated to U.S. Navy vessels, one dedicated for the Victoria Clipper vessels, one for the Department of Corrections to McNeil Island and three at the Port of Bellingham cruise terminal area, one of which is used for Alaska Marine Highway vessels and two other pumpouts that can serve other commercial vessels. Two more commercial pumpouts are being installed, one in Seattle for all commercial vessels and another at the Port of Bellingham mostly for fishing vessels.

Mobile pumpout boats provide services to recreational and some commercial vessels. The mobile pumpout boat information is included in Table 6. There are 23 mobile pumpout vessels, which primarily service recreational boats, but some have serviced commercial vessels such as charter boats, fishing vessels, USCG vessels and passenger vessels. The boats have a capacity between 40 gallons and 450 gallons. There is also interest from some companies to expand to larger capacity if the need for commercial pumpout increases. Geographically, the mobile pumpout boats cover vast areas as they are able to move to vessels, though some stay within their marina or harbor area.

There are a number of companies that specialize in commercial marine work and pumpout commercial vessels holding tanks. The companies currently pumpout sewage from a variety of vessels including tugs (Harbor Island and other areas), fishing, Navy and USCG vessels, some smaller cruise ships, tankers and other vessels, and some of these companies have been doing this for 15-30 years. For some larger vessels that are there for a period of time, some companies put a poly tank out on the dock and then pump that out. Vessels are set up with camlock type fittings and they also have universal fittings for the larger vessels. They can service vessels at a variety of docks and ports, with an occasional challenge of load. Hoses can be extended to reach vessels. One company has two barges that hold 3,000 gallons each and can travel to vessels anywhere in Puget Sound. Table 7 includes the companies that were contacted that specialize in commercial marine pumpout work.

In addition to these companies that specialize in the pump out of commercial vessel sewage, there are approximately 140 licensed or certified pumper truck companies in the Puget Sound area that primarily pumpout septic tanks, but that can also pumpout vessel sewage (many doing so currently). Shore-based pumper trucks, which are also sometimes called septic, septage, liquid waste, or sewage haulers or pumpers are included in Table 8. Some companies service more than one county. The number of trucks in each company ranges from 1 to about 13 and about half of those contacted do or are willing to pumpout commercial vessel sewage. They can service vessels at a variety of docks and ports. Hoses can typically be extended to reach vessels. County health departments each have their own processes for certifying and listing pumper trucks that service their county. There are generally more pumper trucks in cities located where there is more population and commercial vessels. Appendix A includes a listing of the pumper truck companies, counties certified or licensed in and contact information.

In addition to the AIS location data on where vessel traffic goes, internet applications such as ShipFinder, Figure 3, which provides data points of vessels in movement as well as where they congregate, have been reviewed over time to evaluate the locations of commercial vessel traffic.

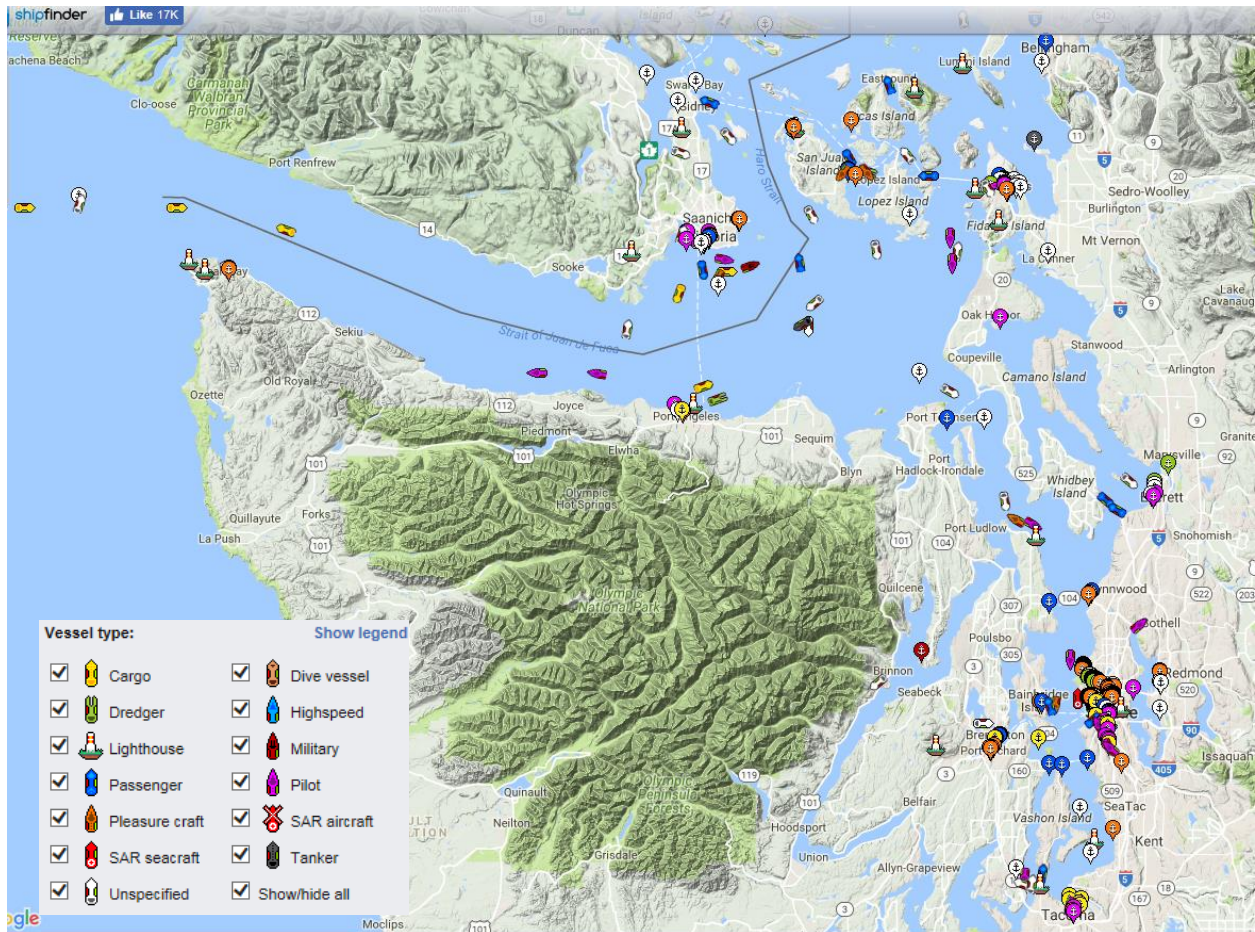


Figure 3. Shipfinder screen shot for October 4, 2016

The number of commercial vessels that are likely to be in regular need of pumpout facilities with a NDZ would include the non-ocean going vessels including those listed in Table 4. The estimated numbers are likely high as a number of these vessels are too small to have a toilet on board such as fishing vessels and smaller tugs and excursion vessels.

Table 4. Puget Sound Commercial Vessels likely to use pumpout facilities

Vessel Type	Approximate Number of Vessels
Tugboats (various types)	150
Commercial Fishing	350
Small Passenger	8
NOAA Research and Survey	3
WSDOT Ferries	25
Military and other Government	50
Excursion and Other	90
TOTAL	676

The Clean Vessel Act grant program pays the bulk of the costs associated with recreational pumpouts, but there are no similar programs for commercial pumpouts. Ecology has been in the process of providing funding for commercial vessel pumpouts through a 100 percent paid grant and has thus far awarded two grants, one in Seattle and one in Bellingham for stationary pumpouts to service tugs, commercial fishing vessels, and other commercial vessels. The Seattle pumpout is scheduled for completion in March of 2017 and the Bellingham pumpout for September 2017. Ecology is also working with its partners to assure future continued funding for additional commercial pumpouts with input from commercial vessel industries to add to existing options. There has been some interest from mobile pumpout vendors and the Harbor Island area for larger mobile pumpout capacity on boats or a barge to service commercial vessels.

As a result of the studies and outreach, certain commercial vessel groups (tug boats, commercial fishing vessels, and NOAA research vessels) need time to retrofit some of their vessels with holding tanks for compliance. Due to the unique challenges associated with retrofitting these types of vessels, such as requiring an engineering design and formal approval for safety, these vessels will be allowed five years before the NDZ would be effective and they would be required to comply with the NDZ. They will still be responsible for complying with existing state and federal regulations in the interim.

Table 5. Commercial Vessel Stationary Pumpouts

Commercial Vessel Stationary Pumpouts					
Owner	Facility Location	Latitude	Longitude	Vessels Served	Discharge Location
WA State	Anacortes	48° 30' 26" N	122° 40' 30" W	WSDOT Ferry	Anacortes City Sewer
WA State Ferries	Friday Harbor	48° 32' 08" N	123° 00' 51" W	WSDOT Ferry	Friday Harbor Sewer
WA State Ferries	Port Townsend	48° 06' 52" N	122° 45' 08" W	WSDOT Ferry	Port Townsend Sewer
WA State Ferries	Mukilteo	47° 57' 00" N	122° 18' 12" W	WSDOT Ferry	Mukilteo Sewer
WA State Ferries	Edmonds	47° 48' 47" N	122° 40' 30" W	WSDOT Ferry	Edmonds City Sewer
WA State Ferries	Seattle-Coleman Dock	47° 36' 9" N	122° 23' 37" W	WSDOT Ferry	King County Sewer
WA State Ferries	Fauntleroy	47° 31' 24" N	122° 23' 37" W	WSDOT Ferry	King County Sewer
WA State Ferries	Pt. Defiance	47° 18' 22" N	122° 30' 46" W	WSDOT Ferry	Tacoma City Sewer

Alaska Marine Highway	Port of Bellingham (3 pumpouts)	48°43'22.2"N	122°30'49.8"W	One serves Alaska Ferries and two serve all other commercial vessels	Bellingham City Sewer
Victoria Clipper	Port of Seattle	47°36'48"N	122°21'12"W	Victoria Clipper	King County Sewer
McNeil Island WDOC ferries	Steilacoom	47°10'20.4"N	122°36'12.9"W	Department of Corrections Ferries and may serve others	Steilacoom sewer/ Pierce County Treatment Plant
U.S. Navy	Bremerton	47°33'17"N	122°39'17"W	U.S. Navy Vessels	Bremerton City Sewer
U.S. Navy	Everett	47°59'26.4"N	122°13'05.2"W	U.S. Navy Vessels	Everett City Sewer
Navy Supply Center, Puget Sound	Manchester	47°33'57.3"N	122°32'38.5"W	U.S. Navy Vessels	Kitsap County – Manchester Wastewater Treatment Plant

In addition to the above stationary facilities, commercial vessels also use shore-based pumper trucks, some recreational pumpouts, and some of the mobile pumpouts listed in Tables 6, 7 and 8.

Table 6. Mobile Vessel Pumpout Services Available to Puget Sound Vessels

Mobile Pumpout Services Available to Puget Sound Vessels						
Company	Service Areas	Number of Boats	Cost	Primary Type of Vessels Served	Capacity	Where Is Pumped Sewage Disposed?
Port of Brownsville	Brownsville	1	Unknown	Vessels within their marina (can go out about 5 miles)	300 Gallons	Central Kitsap Wastewater Treatment Plant
Foss Harbor Marina	Foss Harbor Marina Area – Tacoma	1	Free	Vessels within their marina (can go out and has served fishing and coast guard vessels)	400 Gallons	Tacoma Central Wastewater Treatment Plant
Sweet Pea Pumping Service	Liberty Bay and Port Madison	2	\$20-30 (more for big tanks)	Recreational (has served some charter boats)	110 Gallons	Central Kitsap Wastewater Treatment Plant
Narrow's Marina	Narrow's Marina area - Tacoma	1	\$5	Vessels within their marina	Unknown	Chambers Creek Wastewater Treatment Plant
Pelican Pump	Olympia Area	1	~\$24 (more for big tanks)	Primarily liveaboards (potentially others)	300 Gallons	Lott Wastewater Treatment Plant
Point Roberts Marina	Point Roberts	1	Unknown	Vessels within their marina (potentially 5 miles out)	350 Gallons	Large Onsite Septic System
Rose Head Service	Port Everett Only	1	\$15-23	All vessels	Unknown	Everett Water Pollution Control Facility
Pumpy Dumpty	Port of Friday Harbor and nearby Marinas	1	\$5	All within Harbor (has served passenger vessels 80-90 ft)	190 Gallons	Friday Harbor Wastewater Treatment Plant

Port of Bremerton, Port Orchard Marina	Port Orchard	1	Unknown	Vessels within their marina	40 Gallons	South Kitsap Water Reclamation Facility (Port Orchard WWTP)
Phecal Phreak	Roche Harbor Marina	1	Free as part of moorage fee	All vessels	300 Gallons	Roche Harbor Resort Wastewater Treatment Plant
Elliott Bay Marina	Seattle	1	Unknown	Vessels within their marina	250 Gallons	King County West Point Wastewater Treatment Plant
Seattle Sanitation Service	Seattle Area	2	\$25	Primarily liveaboards (has served commercial vessels)	200, 300 Gallons	Public pumpouts – typically Seattle City Sewer
SS Head	Seattle Area	2	\$20 and up	95% liveaboard	Unknown	Public pumpouts – typically Seattle City Sewer
Terry and Sons	Seattle Area	3	Free	All vessels (has served commercial vessels, no for grant funded vessel)	300, 200, 450 Gallons	Public pumpouts – typically Seattle City Sewer
Pump Me Out	Seattle Area, Anacortes, and La Conner	3	\$25-35	Liveaboards and other vessels (has served towboats and fishing boats)	350, 365 Gallons	Generally public pumpouts, typically Seattle City Sewer, Anacortes WWTP, La Conner WWTP
Semiahmoo Marina	Semiahmoo Marina – Blaine	1	Unknown	Vessels within their marina	Unknown	Blaine Wastewater Treatment Plant

Table 7. Commercial Marine Work Companies that Pumpout Commercial Vessels (incomplete list)

Company	# Trucks or Vessels	Details
Marine Vacuum Services	~15-17 Trucks (3,000-5,000 gallons each) + poly tanks	Services all of Puget Sound and all types of commercial vessels (has been pumping sewage from tugs, large fishing vessels, Navy, USCG, some smaller vessels, etc. and has poly tanks for use at docks)
Washington Marine Cleaning	~7 Trucks (3,000-7,500 gallons each)	Services all of Puget Sound and all types of commercial vessels (has been pumping sewage from Navy, USCG, ferries, fishing vessels, tug boats, etc.)
NRC	~5 Trucks (2,200 -3780 gallons each) + 20,000 gallon poly tanks	Can service all of Puget Sound, typically Bellingham, Pier 90, Fisherman's Terminal (has been pumping sewage from fishing vessels etc.; and has poly tanks for use at docks)
Emerald	~25 Trucks (3,000-6,500 gallons each)	Services all of Puget Sound and all types of commercial vessels (has been pumping sewage from tugs, fishing vessels, smaller vessels, etc.)
Arrow Marine Services	2 Mobile Barges (3,000 gallons each)	Services all of Puget Sound and all types of commercial vessels, one barge usually in Anacortes, one in Port Angeles, can travel all of Puget Sound (has been pumping sewage from ATB tugs, oil tankers, bulkers, etc.)

Table 8. Commercial Vessel Pumper Truck Companies by County

Pumper Trucks in the Puget Sound Area		
County	Number of Pumper Truck Companies	Website
Clallam	4	http://websrv7.clallam.net/forms/uploads/ehOnsiteMaintenanceProviders2.pdf
Island	18	https://www.islandcountywa.gov/Health/EH/Documents/2016%20Pumpers%20List.pdf
Jefferson	7	http://jeffersoncountypublichealth.org/pdf/20160411%20Pumpers%20List.pdf
King	41	http://www.kingcounty.gov/healthservices/health/ehs/wastewater/pros/~/_media/health/publichealth/documents/wastewater/LiquidWasteHaulers.aspx
Kitsap	17	http://www.kitsappublichealth.org/recordsearch/contractorlist.aspx?intlicenstypeid=8
Pierce	42	http://www.tpchd.org/files/library/3557676a9e1ffa2d.pdf
San Juan	9	http://www.sanjuanco.com/DocumentCenter/Home/View/8644
Skagit	18	http://www.skagitcounty.net/HealthEnvironmental/Documents/MaintenanceSpecialistList.pdf
Snohomish	25	http://www.snohd.org/Septic/Septic-Contractors
Whatcom	13	http://wa-whatcomcounty.civicplus.com/DocumentCenter/View/2040
Total	194	Some companies service more than one county. There are about 140 different pumper companies in the Puget Sound area.

References

Washington State Department of Ecology. 2016. Final Petition to Designate the Waters of Puget Sound as a No Discharge Zone. <https://fortress.wa.gov/ecy/publications/documents/1610020.pdf>

Herrera Environmental Consultants. 2013. Phase 2 Vessel Population and Pumpout Facility Estimates. <https://fortress.wa.gov/ecy/publications/parts/1210031part4.pdf>.

Herrera Environmental Consultants. 2013. Phase 2 Commercial Vessel Sewage Management and Pumpout. <https://fortress.wa.gov/ecy/publications/parts/1210031part6.pdf>.

Herrera Environmental Consultants. 2012. Puget Sound Vessel Population and Pumpout Facilities. <https://fortress.wa.gov/ecy/publications/parts/1210031part3.pdf>

Appendix A

Pumper Truck Companies

Counties	Hauler Name	Business Address	Phone
King	A & A Septic Designs	P. O. Box 2241 North Bend	425-222-5388
Whatcom, Pierce	A 1 Septic Solution LLC (Andy K Swendt)	4026 Saltspring Dr Ferndale	360 739 0570
Pierce, King	A Advanced Septic Services Inc	Sumner	(253) 435-9999
Pierce	A Bell Excavating Inc	Puyallup	(253) 896-0043
Snohomish, Pierce	A Wesco Septic Service		360.668.6561
Kitsap	A+ ONSITE		(360) 830-4765 (360) 830-4766
Pierce	A+ Septic and Plumbing Service	Olympia	(800) 644-5985
Pierce, King	AA American Septic Services	Gig Harbor, Kent	(253) 236-8325
Kitsap	A-ADVANCED SEPTIC SERVICES INC		(253) 435-9999
Pierce	ABC Able Septic Service	Eatonville	(360) 832-2253
Kitsap, King	A-BELL EXC	P. O. Box 731902 Puyallup	(253) 896-0043
San Juan	Abood Septic	210 Jackson Rd Eastound	376-7660
Island, King, Snohomish, Skagit	Ace Acme Septic Service	17924 67th Avenue NE Arlington	360-659-1881
Pierce	Affordable Septic Services	Puyallup	(253) 926-5586
Pierce	AI & Arts Septic Service	Tacoma	(253) 927-7944
King, Snohomish	Alberta Septic	8808 144th PI SE Newcastle	425-271-6524
Kitsap	ALL COUNTY OPERATIONS		(360) 779-9609 (360) 633-1693
Snohomish	All County Septic Service		425.334.9519
Snohomish	All Septic Services / E&D Excavating		360.435.5605
Pierce	Aloha Septic Service/Town & Country Inc	Spanaway	(253) 847-3030
Island	Alpine Environmental Services	P.O. Box 189 Stanwood	360-387-2574
Kitsap	AMERICAN SANITATION		(360) 689-3119
Pierce	American Sanitation	Port Townsend	(360) 689-3119
King, Pierce	American Septic Company	P. O. Box 1271 Milton	253-255-6594
Pierce	Apex Drain Co LLC	Puyallup	(253) 926-5586
Kitsap, Jefferson	ARNESS INC.	22777 Indianola Rd NE Poulsbo, WA 98370	(360) 598-4800 (360) 297-4800
Pierce	B&W Septic Services Inc	Puyallup	(253) 926-5586
King, Pierce	Babbitt Septic Design	25113 90th St. E Buckley	253-862-4307
Pierce	Bailey Sewer Septic LLC	Tacoma	(253) 230-2729
Kitsap	BAINBRIDGE SEPTIC PUMPING		(206) 842-2566
King	Baker Commodities	P. O. Box 58368 Seattle	206-243-7387

Island	Baker Septic	PO Box 2128 Ferndale	360-708-4881
Jefferson	Baker Septic Service dba Dano's	7124 State Hwy 3 SW Bremerton, WA 98312	360-697-1271
Snohomish, Skagit, Whatcom	Baker Septic Tank Pumping, Inc.	PO Box 2128 Ferndale	360.383.0013
King, Pierce	Benson Hill Septic	P. O. Box 6191 Federal Way	253-874-4496
Jefferson	Bill's Plumbing & Heating Inc - Port.	PO Box 282 Sequim	360-683-7996
King	Blakley Septic	12850 2nd Ave S Burien	206-244-1836
Island	Bruce's Septic Service	726 Soundview Lane Oak Harbor	360-675-1330
Kitsap	BUDGET ROOTER PLUMBING SERVICE		(360) 698-2997
Whatcom	Budget Septic, Inc (Richard Muehlhausen, Jr.)	2545 Island View Ln Lummi Island	360 758 2989
Whatcom	Burke Septic & Pumping Services (David Burke)	PO Box 127 Sumas	360 815 0468
Skagit	Buster's American Septic Services	13392 Avon-Allen Rd Mount Vernon	360-424-0215
Pierce	Campbell, Jim & Sons Inc	Spanaway	(253) 845-5827
Island, Snohomish	Cascade Septic	16202 89th Ave NW Stanwood	360-652-8293
Skagit	Cinema Septic	8659 Sobek Lane Concrete	360-466-8753
Pierce, King	Clean Septic Pumping LLC	Lakewood	(253) 588-4282
King	Construction Site Services (Seattle Maintenance Inc.)	P. O. Box 46404 Seattle	206-375-7489
Island, Snohomish	Cuz Septic Service	19604 67th Ave NE Arlington	360-435-5531
Kitsap	DANO'S SEPTIC		(360)697-1271
Pierce	Dano's Septic Service	Bremerton	(360) 536-443
Island	Diamond Construction	33650 SR 20 Oak Harbor	360-675-5689
San Juan	Dirty Deeds	PO Box 831 Eastsound	376-3093
King, Pierce	Drain-Pro Inc.	5111 85th Ave. E, Bldg C, Suite #2 Puyallup	253-926-5586
Snohomish	Earthwise Excavation		360.668.2452
King, Pierce	Economy Septic Service Inc	P. O. Box 731292 Puyallup, Tacoma	253-535-3457
Snohomish	Emerald Services Inc		203.832.3000
Jefferson	Enviro Check L.L.C.	1612 Hastings Ave. W Port Townsend	360-379-9400
Pierce	EnviroTech Septic Solutions LLC	Rochester	(360) 273-3840
Island, Snohomish	Envirotek, LLC	1992 Elger Bay Rd. - PMB 507 Camano	360-387-1731
Snohomish	Evergreen Onsite		425.397.7771
King, Snohomish, Island	Evergreen Sanitation	P. O. Box 259 Lake Stevens	800-433-1678
Pierce	Express Septic Service	Port Orchard	(253) 851-9925
Kitsap	EXPRESS SEPTIC SERVICE		(360) 895-5412
Pierce, Kitsap	FloHawks/Honey Bucket/NW Cascade	Puyallup	(253) 848-2371 (360) 377-9505 (360) 377-9595

King, Pierce	FRONTIER SEPTIC & PLBG SVC LLC (All Service Septic)	P. O. Box 1392 Enumclaw	360-825-5580
King, Pierce	G & N Septic Tank Service LLC	505 F St. SE Auburn	253-838-1028
Island	Gabelein Brothers Septic Pumping & Portable	2038 Asher Lane Freeland	360-331-3160
Skagit	Gateway Septic Service, LLC	32974 S. Skagit Hwy Sedro-Woolley	360-826-5520
Jefferson, Clallam	Good Man Sanitation Service	2495 Cape George Rd Port Townsend	360-385-7155
Jefferson	Goodman Septic Services	PO Box 208 Port Angeles	360 385-2557 or 800 974-2557
Pierce	Greenstate	Roy	(253) 444-7122
Pierce, Snohomish, Island, Skagit, Whatcom	Greenworks of Washington	Camano Island, Stanwood	(360) 913-0133 (425) 422-6102
Pierce	Hemley, Ron Septic Installations	Burley	(360) 876-6104
Pierce, Kitsap	Hemleys Septic Tank Cleaning Inc	Gig Harbor	(253) 851-3432
Snohomish	Hills Sno Cty Septic Tank Service		360.659.3689
Pierce	Howdys Doody Service INC	Olympia	(360) 584-9936
Pierce	HSCC1	Sumner	(253) 277-1512
Pierce	Integrity Septic Solutions LLC	Eatonville	(253) 271-8049
Whatcom	J W Septic, Inc (Brian Thompson)	6736 Goodwin Rd Everson	360 966 2153
King	Jamie's Septic Service	27045 125th Ave. SE Kent	253-638-1582
King	Jim Campbell & Sons, Inc.	P. O. Box 995 Graham	253-845-5827
Skagit, Whatcom	Johnny's Septic Service	PO Box 1128 Burlington, Bow	360-757-0550 360-734-9894
Skagit	Kelly Construction LLC NW DBA Kelley Septic Pumping	PO Box 1647 Anacortes	360-293-2941
Kitsap	KITSAP SEPTIC PUMPING		(360) 871-5258
Snohomish	Klein Septic Service		360.502.1696
Pierce	KRS Services Inc	Ravensdale	(425) 432-2270
Kitsap, Pierce	KURT'S PRECAST INC	Belfair	(360) 275-1996
King, Snohomish	Lakeside Septic Inc.	P. O. Box 12081 Everett	425-822-2421
Pierce	LDL Enviro Services Inc	Puyallup	(253) 926-5586
Pierce	Lees Sanitation Service Inc	Auburn	(253) 839-3637
Whatcom, Skagit	Lil John Sanitary Service, Inc.	6946 Guide Meridian Lynden	360 398 9828 360 336 5449
King, Pierce	Lilly's Septic (Septic Systems NW)	30010 Retreat Kanasket Rd SE Ravensdale	425-432-3084
King	Liquid Environmental Solutions	7651 Esters Blvd Irving	619-840-8714
San Juan	Lopez Septic Service	PO Box 823 Lopez	468-4683
King, Snohomish	McNel Septic Service (KRS Services Inc.)	28109 305th Ave. SE Ravensdale	425-432-2270
Skagit, Island, San Juan	Metcalfe Septic Services	3063 Oak Harbor RD Oak Harbor	360-679-3666 360-969-1583 360-678-1553
King	Neighbors Septic Service	6802 SE 7th St. Renton	425-226-2302

King	Nordvind Sewer Service	25129 SE Green Valley Rd Auburn	360-825-5704
Skagit, Snohomish, Island	Norsky Septic Pumping	2241 Wagner Rd Camano Island	360-387-6384
Snohomish	Northrup Construction / Payless Pumping & Septic Service		360.794.5611
King, Jefferson, Skagit, Snohomish, Island, Whatcom	Northwest Cascade, Inc.	PO Box 73399 Puyallup	253-848-2371
King	Northwest Septic & Pumping	24224 115th Pl. SE Kent	206-793-6728
Kitsap	NORTHWEST SEPTIC OPERATION & MAINTENANCE		(360) 830-0153 (360) 698-1951
King, Pierce	Olson Brothers Pro-Vac	6622 112th Street E. Puyallup	253-435-4328
Clallam	Onsite Monitoring & Inspections, LLC (OMI)	232 Chambers Road, Port Angeles	360-457-9438
San Juan	Orcas Septic Service, Inc.	PO Box 961 Friday Harbor	376-5043
King	Payless Pumping / Northrup	12922 Woods Creek Rd. Monroe	360-794-5611
Clallam	Peninsula Drain & Septic, Inc.	111 Angels Lair Lane, Port Angeles	360-457-5494
Whatcom	Potty Wagon	1497 Roosevelt Way Point Roberts	360 945 0366
Skagit, San Juan	Rainbow Enterprises	6742 Big Cedar Lane Anacortes	360-293-5579
Kitsap	RANDY KAN		(360) 638-2839
Whatcom	Roto-Rooter Plumbing Service (Cash Corporation)	PO Box 29082 Bellingham	360 733 0760
Pierce	S & S Hydro Service	Tacoma	(253) 228-0377
Snohomish	S O S Septic Pumping		360.794.4619
Snohomish	S V Gresco Inc		360.563.0710
San Juan	San Juan Septic Service Inc	PO Box 3169 Friday Harbor	378-7255
King	Scott's Septic	6314 213th Ct. E. Lake Tapps	253-261-3453
Island	Septic Alert Inc.	1759 Fawn Drop Road Oak Harbor	360-679-1871
Whatcom	Septic Plus, Inc. (Chris Nevins)	PO Box 1887 Blaine	360 671 1307
Snohomish	Septic Service Inc DBA Sultan Pumper		360.794.9184
King	Series Seven Inc.(Kingsgate)	P. O. Box 1179 Lake Stevens	425-397-7771
Island	Silvia Septic Servicing	3149 B. N. Goldie Road Oak Harbor	360-679-2000
Clallam	Sound Septic Services	72 Estates Way, Port Angeles	360-461-2563
Island	South Island Pumping	4402 Lone Lake Road Langley	360-321-1820
San Juan	Starr Excavation, Incorporated	PO Box 961 Friday Harbor	378-5045
King	Stuth Co.	P. O. Box 950 Maple Valley	425-255-3546
King	Sultan Septic Services	P. O. Box 27784 Anaheim	360-794-9184
King	Sunset Septic Tank Co., Inc.	918 Central Ave S Kent	253-852-3210
King, Skagit, Snohomish	Superior Septic Services LLC	303 91st Ave. Suite E502 PMB 108 Lake Stevens	425-840-3850
King	SV Gresco	P. O. Box 1323 Snohomish	360-563-0710

Kitsap	SWEETWATER SEPTIC & GREASE TRAP PUMPING		(360) 930-2127
Skagit	The Drain Doctor	14062 Hillwood Drive Bow	360-757-3017
Skagit, Whatcom	Tiger Tank Pumping LLC (Michael Yeates)	18160 Fox Hollow Ln Bow	360 421 1063
King	TPJ Inc. (The Plumbing Joint)	351 Union Ave. NE Renton	425-228-3204
King	United Site Services (Emerald Sanitary Service, CP San LLC)	1024 S. Elmgrove St. Seattle	206-701-8560
San Juan	United Site Services of Nevada	50 Washington St Westborough	508-594-2504
Island	United Site Services, Inc	PO Box 1817 Mt. Vernon	360-588-8445
King, Pierce	Vac Tec Septic & Water LLC	11603 Canyon Rd E Puyallup	253-268-0322
Skagit	VanPutten Septic, Inc.	16677 Bradley Road Bow	360-757-4188
King	Warranty Septic Service	P. O. Box 1727 North Bend	425-888-9333

Due to the nature of pumper trucks geographic mobility, and ability to operate in many different locations, mapping the companies or providing size or draught limits is not practical. The operating hours vary and companies can be called for operating hours. The pumper truck companies are certified by the county health departments.