Island County Community Health Planning
2015 Community Health Assessment

Category: Health Determinant and Correlate Metrics	Section: Physical Environment	Topic: Living Environment
Indicator: Group A/B drinking water systems meet standards for acceptable levels of total coliform*		
Prepared by: Laura Luginbill		
* See Figure 1 below.		

I. ISLAND COUNTY DATA

Source: Washington State Department of Health	Year: 2014
Source Link:	
Data Point: 94.4%	

II. ISLAND COUNTY SUB-GROUPS

Is data available for sub-groups of our population? If so, please list below:		
Sub-Group	**Data Point**	**Source** (if different)

III. ISLAND COUNTY TRENDS

Is data available for previous years in Island County? If so, please list below:					
Year	% Collect Sample	% Meet Standard	% Meet Standard 2	Absent	Present
2001	71.2	89.6	96.6	5782	201
2002	74.6	87.7	96.6	6328	224
2003	74.6	89.0	96.1	5992	244
2004	77.7	88.7	95.1	6116	314
2005	75.7	84.7	94.7	6866	382
2006	71.9	86.9	95.5	6729	320
2007	73.9	86.9	95.8	6894	300
2008	76.0	91.2	97.2	6642	192
2009	69.7	89.3	97.5	7649	200
2010	66.3	91.6	97.2	7553	219
2011	66.9	90.7	96.9	7381	233
2012	65.5	90.8	97.1	7353	216
2013	64.9	89.7	96.6	7242	256
2014	65.1	87.8	94.4	7661	451

IV. WASHINGTON STATE

Source: Washington State Department of Health	Year: 2013
Source Link:	

Data Point: See Figure 2 below for # of violations for coliform.

V.   UNITED STATES

Source: None available.	**Year:**
Source Link:	
Data Point:	

VI.   STANDARD OR GOAL

Source: None available.
Source Link:
Standard or Goal:

Figure 1. Island County Group A/B drinking water systems that meet standards for acceptable levels of total coliform*

$y = 0.0293x + 37.383$

Legend:
- % Meet Standard
- % Meet Standard 2
- % Collect Sample
- Linear (% Meet Standard 2)
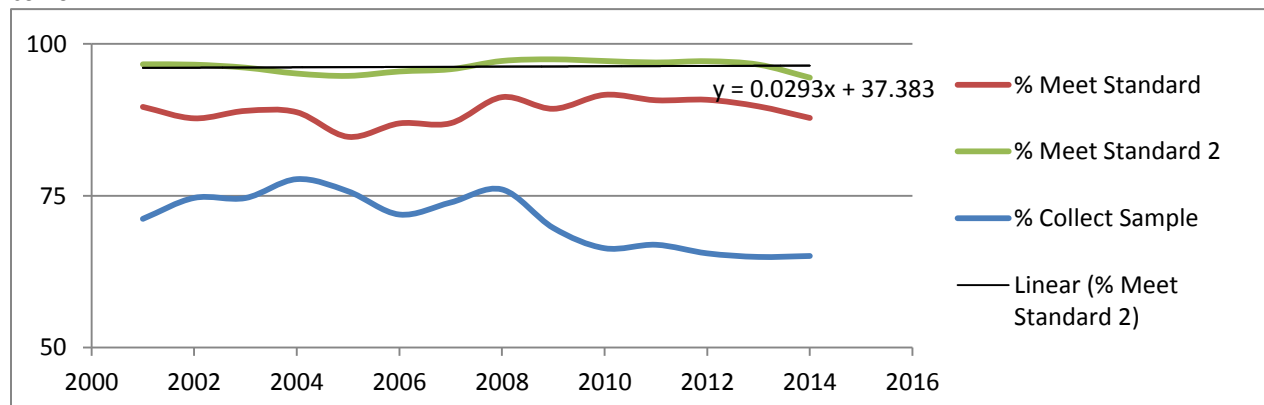
*Data points were obtained by:

Downloading bacteria sampling results from DOH for all Group A and Group B water systems, from 2001 to 2014

For each year, count how many Group A water systems were active = NumSys

For each year, walk through all systems that were active that year, and count how many had sampled for bacteria (at least once) = NumSampled

For each year, walk through all systems that were active that year, and count how many had one or more positive bacteria detections (bad) = NumPresence

% Collect Samples (Year) = 100*NumSampled/NumSys

% Meet Standard (Year) = 100-(100*NumPresence/NumSys)

% Meet Standard 2 (Year) = 100-(100*TotalNumPresence/TotalSamples)

Figure 2. Washington State Coliform Violations, 1994-2013

Coliform Violations - Statewide 1994 through 2013