



February 25, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037

RE: January 2015 Aquifer Monitoring Report

INTRODUCTION

Luetje Geological Services (LGS) of Portland, Maine, an independent hydrogeologic consulting firm, has been contracted by Nestle Waters North America Inc. (Poland Spring) to collect and compile hydraulic data from the Wards Brook Aquifer in Fryeburg, Maine. These data are collected as part of regular routine monitoring by Poland Spring and while the monitoring program is not part of a regulatory compliance program, the data are voluntarily provided to the Town of Fryeburg on a monthly basis. The data in the monthly reports, in turn, are used by Poland Spring to compile an annual report of the hydraulic data for the Wards Brook Aquifer.

Data are presented for eleven monitoring wells, four surface water stations, from rain gauges at the Borehole-1 load-out facility and the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center), and withdrawal data from Borehole-1 (PBH-1; dedicated spring water borehole). Locations of all data collection stations are shown in Figure 1 located at the end of this report.

GROUNDWATER

Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on January 19th, 2015.

Table 2 presents the surface water elevation data measured on January 19th, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
JANUARY 19th, 2015**

Surface Water Station	Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.76 ³	362.75
WPMP-1	401.27	Frozen
SRMP-1	418.79	Frozen
WPSG-2A	403.31 ³	Frozen

Notes: 1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of the staff gage for surface water stations) elevation in feet NAVD.
 2. The Surface Water Elevation is the elevation of the water surface (feet NAVD) at the monitoring station.
 3. Reference elevations for LPSG-1 and WPSG-2A were resurveyed on May 8, 2014 because of the potential movement of the gages due to winter ice conditions. Surface water elevations in this report reflect the updated reference elevations.

PRECIPITATION

Precipitation is recorded on-site adjacent to PBH-1 using an Onset Data Logging Rain Gauge (RG) as shown on Figure 1. The on-site rain gauge has a self-tipping bucket that is activated with every 0.01 inches of precipitation. The gauge is also wrapped with heat tape that melts snowfall and allows measurement of precipitation through the winter months.

Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for January, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
JANUARY, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	2.66
Fryeburg Eastern Slopes Airport (ICAO Station KIZG)	2.75

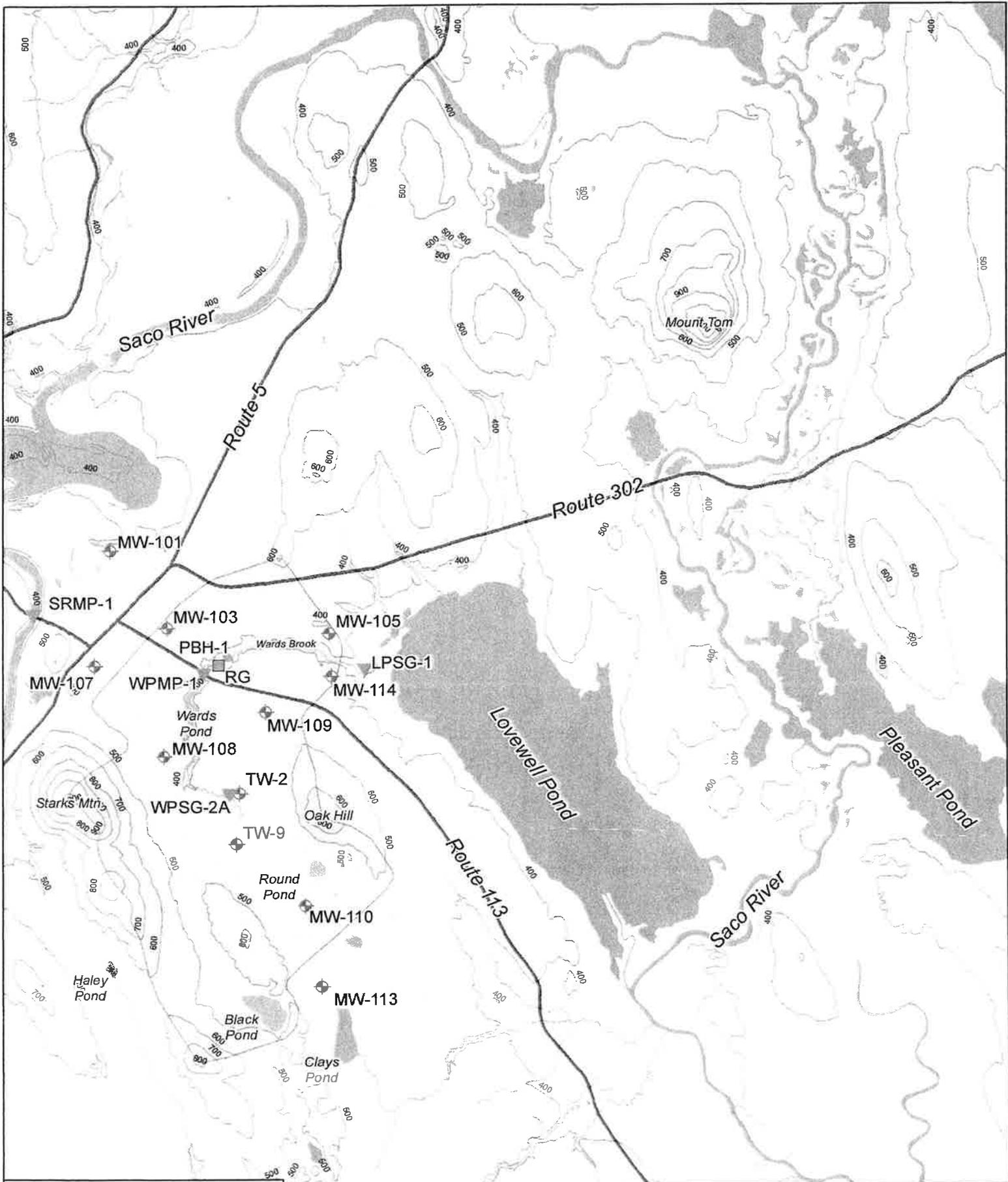


FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE



-  BOREHOLE
-  MONITORING WELL
-  RAIN GAUGE
-  SURFACE WATER STATION
-  CONTOUR LINES
-  WARDS BROOK WATERSHED (APPROXIMATE)

NOTES:
1. ALL GENERAL DATA LAYERS ACQUIRED FROM THE MAINE OFFICE OF GIS.
2. CONTOURS ARE 20' INTERVALS.

DATE:
1/3/2012


 LUETTE GEOLOGICAL SERVICES
 58 FOBE STREET
 PORTLAND, MAINE 04101
 207-415-9698
 lgs@maine.rr.com



WE CORPORATION

P.O. Box 603
Fryeburg, ME 04037
(207) 935-4157

April 9th, 2014

Code Enforcement Officer, Town of Fryeburg

16 Lovewell Pond Road
Fryeburg Maine 04037

WE Corporation, doing business as Pequawket Water Company, is submitting the attached information for your records.

Volume of Water Pumped at Pequawket Water Company Facility:

Month: ___March 2015_____

Gallons:_____ 248,200_____

If you have any questions, please contact me directly at 935-4157.

Thank you,

Erik Eastman
Facility Manager
Pequawket Water Company



Luetje Geological Services, LLC
Ed Luetje, CG
58 Fore Street
Portland, Maine 04101

March 25, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037

RE: February 2015 Aquifer Monitoring Report

INTRODUCTION

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Data are presented for eleven monitoring wells, four surface water stations, from rain gauges at the Borehole-1 load-out facility and the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center), and withdrawal data from Borehole-1 (PBH-1; dedicated spring water borehole). Locations of all data collection stations are shown in Figure 1 located at the end of this report.

GROUNDWATER

Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on February 20th, 2015.

**TABLE 1: GROUNDWATER ELEVATION DATA
FEBRUARY 20th, 2015**

Monitoring Well	Reference Elevation (feet NAVD) ¹	Groundwater Elevation (feet NAVD) ²
MW-101 ³	408.35	398.18
MW-103	421.58	410.32
MW-105	404.98	379.75
MW-107	431.95	423.09
MW-108	419.89	410.08
MW-109	420.11	397.91
MW-110	461.86	416.72
MW-113	441.13	420.35
MW-114	405.20	383.63
TW-2 ⁴	404.18	Frozen
TW-9	409.24	Frozen

- Notes:
1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of casing for monitoring wells) elevation in feet NAVD.
 2. The Groundwater Elevation is the elevation of the water table (feet NAVD) at the monitoring well.
 3. MW refers to 'monitoring well'
 4. TW refers to 'test well'

SURFACE WATER

Surface water elevation is measured at four locations in and around the Wards Brook Aquifer watershed as seen in Figure 1. Spring water was flowing to the ground surface this month near PBH-1 as observed at the main spring pool weir and several nearby springs. The surface water elevation measuring locations are as follows:

- Saco River Monitoring Point (SRMP-1): surface water elevation is measured at the Route 113 bridge over the Saco River;
- Wards Pond Monitoring Point (WPMP-1): surface water elevation is measured at the Route 113 crossing over Wards Brook;
- Lovewell Pond Staff Gage (LPSG-1): surface water elevation is measured at the inlet from Wards Pond Brook; and,
- Wards Pond Staff Gage (WPSG-2A): surface water elevation is measured near the center of the watershed in a bog located to the south of Wards Pond.

Table 2 presents the surface water elevation data measured on February 20th, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
FEBRUARY 20th, 2015**

Surface Water Station	Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.76 ³	362.53
WPMP-1	401.27	Frozen
SRMP-1	418.79	Frozen
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 2. The Surface Water Elevation is the elevation of the water surface (feet NAVD) at the monitoring station.
 3. Reference elevations for LPSG-1 and WPSG-2A were resurveyed on May 8, 2014 because of the potential movement of the gages due to winter ice conditions. Surface water elevations in this report reflect the updated reference elevations.

PRECIPITATION

Precipitation is recorded on-site adjacent to PBH-1 using an Onset Data Logging Rain Gauge (RG) as shown on Figure 1. The on-site rain gauge has a self-tipping bucket that is activated with every 0.01 inches of precipitation. The gauge is also wrapped with heat tape that melts snowfall and allows measurement of precipitation through the winter months.

Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for February, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
FEBRUARY, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	1.64
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	1.34

- Notes:
1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.

WITHDRAWALS

In accordance with the contract with the Fryeburg Water Company, PBH-1 withdrawal totals are presented as total gallons recorded as offloaded at plant facilities. Spring water withdrawals from PBH-1 totaled 9,250,403 gallons for the month of February, 2015.

Based on the groundwater and surface water data collected in Fryeburg, Luetje Geological Services has not observed any adverse impact to waters of the State, water-related natural resources and existing uses as a result of the sale of water by the Fryeburg Water Company to Poland Spring.

If you have any questions regarding the data included in this report, please do not hesitate to contact me at (207) 415-9898.

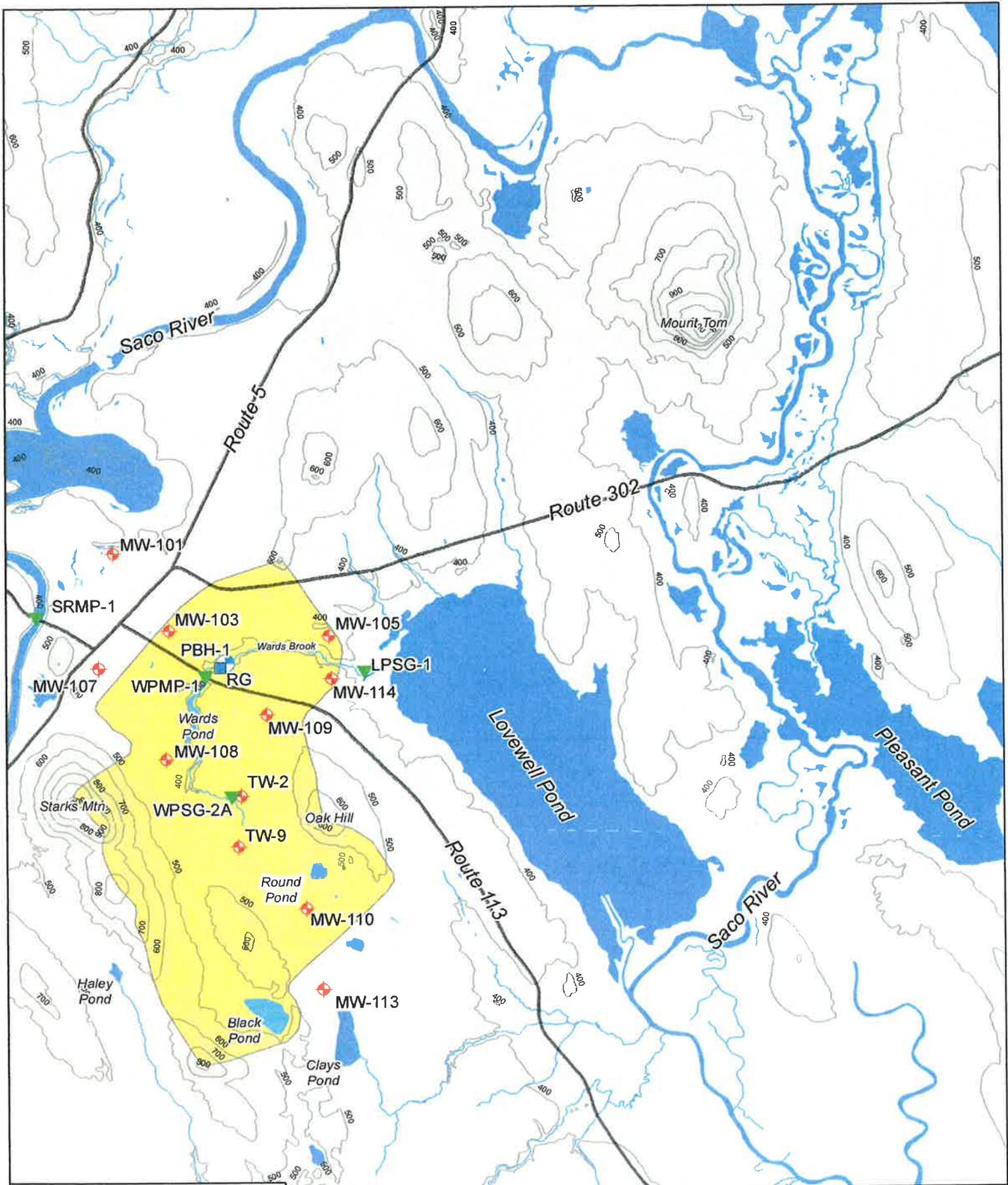
Sincerely,

Luetje Geological Services, LLC



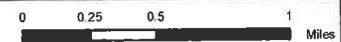
Ed Luetje C.G.

cc: Fryeburg Water Company (Mr. Hugh Hastings)
Fryeburg Water District (Clerk)
Emery & Garrett Groundwater, Inc. (Mr. Peter Garrett)
Poland Spring (Mr. Mark Dubois)



-  BOREHOLE
-  MONITORING WELL
-  RAIN GAUGE
-  SURFACE WATER STATION
-  CONTOUR LINES
-  WARDS BROOK WATERSHED (APPROXIMATE)

FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE



NOTES:
1. ALL GENERAL DATA LAYERS ACQUIRED FROM THE MAINE OFFICE OF GIS.
2. CONTOURS ARE 20' INTERVALS.

N

DATE: 1/3/2012


LJETJE GEOLOGICAL SERVICES
58 FORE STREET
PORTLAND, MAINE 04101
207-415-9898
lgj@maine.rr.com



Luetje Geological Services, LLC
Ed Luetje, CG
58 Fore Street
Portland, Maine 04101

April 27, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037

RE: March 2015 Aquifer Monitoring Report

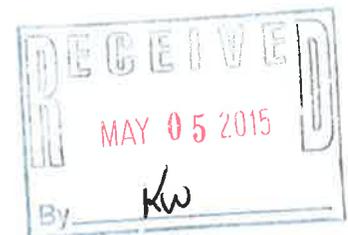
INTRODUCTION

Luetje Geological Services (LGS) of Portland, Maine, an independent hydrogeologic consulting firm, has been contracted by Nestle Waters North America Inc. (Poland Spring) to collect and compile hydraulic data from the Wards Brook Aquifer in Fryeburg, Maine. These data are collected as part of regular routine monitoring by Poland Spring and while the monitoring program is not part of a regulatory compliance program, the data are voluntarily provided to the Town of Fryeburg on a monthly basis. The data in the monthly reports, in turn, are used by Poland Spring to compile an annual report of the hydraulic data for the Wards Brook Aquifer.

Data are presented for eleven monitoring wells, four surface water stations, from rain gauges at the Borehole-1 load-out facility and the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center), and withdrawal data from Borehole-1 (PBH-1; dedicated spring water borehole). Locations of all data collection stations are shown in Figure 1 located at the end of this report.

GROUNDWATER

Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on March 19th, 2015.



**TABLE 1: GROUNDWATER ELEVATION DATA
MARCH 19th, 2015**

Monitoring Well	Reference Elevation (feet NAVD) ¹	Groundwater Elevation (feet NAVD) ²
MW-101 ³	408.35	397.96
MW-103	421.58	409.91
MW-105	404.98	379.49
MW-107	431.95	422.42
MW-108	419.89	409.78
MW-109	420.11	397.63
MW-110	461.86	416.38
MW-113	441.13	420.11
MW-114	405.20	384.38
TW-2 ⁴	404.18	Frozen
TW-9	409.24	Frozen

- Notes:
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 3. MW refers to 'monitoring well'
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SURFACE WATER

Surface water elevation is measured at four locations in and around the Wards Brook Aquifer watershed as seen in Figure 1. Spring water was flowing to the ground surface this month near PBH-1 as observed at the main spring pool weir and several nearby springs. The surface water elevation measuring locations are as follows:

- Saco River Monitoring Point (SRMP-1): surface water elevation is measured at the Route 113 bridge over the Saco River;
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- Wards Pond Staff Gage (WPSG-2A): surface water elevation is measured near the center of the watershed in a bog located to the south of Wards Pond.

Table 2 presents the surface water elevation data measured on March 19th, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
MARCH 19th, 2015**

Surface Water Station	Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.76 ³	362.49
WPMP-1	401.27	Frozen
SRMP-1	418.79	Frozen
WPSG-2A	403.31 ³	Frozen

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PRECIPITATION

Precipitation is recorded on-site adjacent to PBH-1 using an Onset Data Logging Rain Gauge (RG) as shown on Figure 1. The on-site rain gauge has a self-tipping bucket that is activated with every 0.01 inches of precipitation. The gauge is also wrapped with heat tape that melts snowfall and allows measurement of precipitation through the winter months.

Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for March, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
MARCH, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	1.16
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	1.18

Notes: 1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.

WITHDRAWALS

In accordance with the contract with the Fryeburg Water Company, PBH-1 withdrawal totals are presented as total gallons recorded as offloaded at plant facilities. Spring water withdrawals from PBH-1 totaled 8,954,881 gallons for the month of March, 2015.

Based on the groundwater and surface water data collected in Fryeburg, Luetje Geological Services has not observed any adverse impact to waters of the State, water-related natural resources and existing uses as a result of the sale of water by the Fryeburg Water Company to Poland Spring.

If you have any questions regarding the data included in this report, please do not hesitate to contact me at (207) 415-9898.

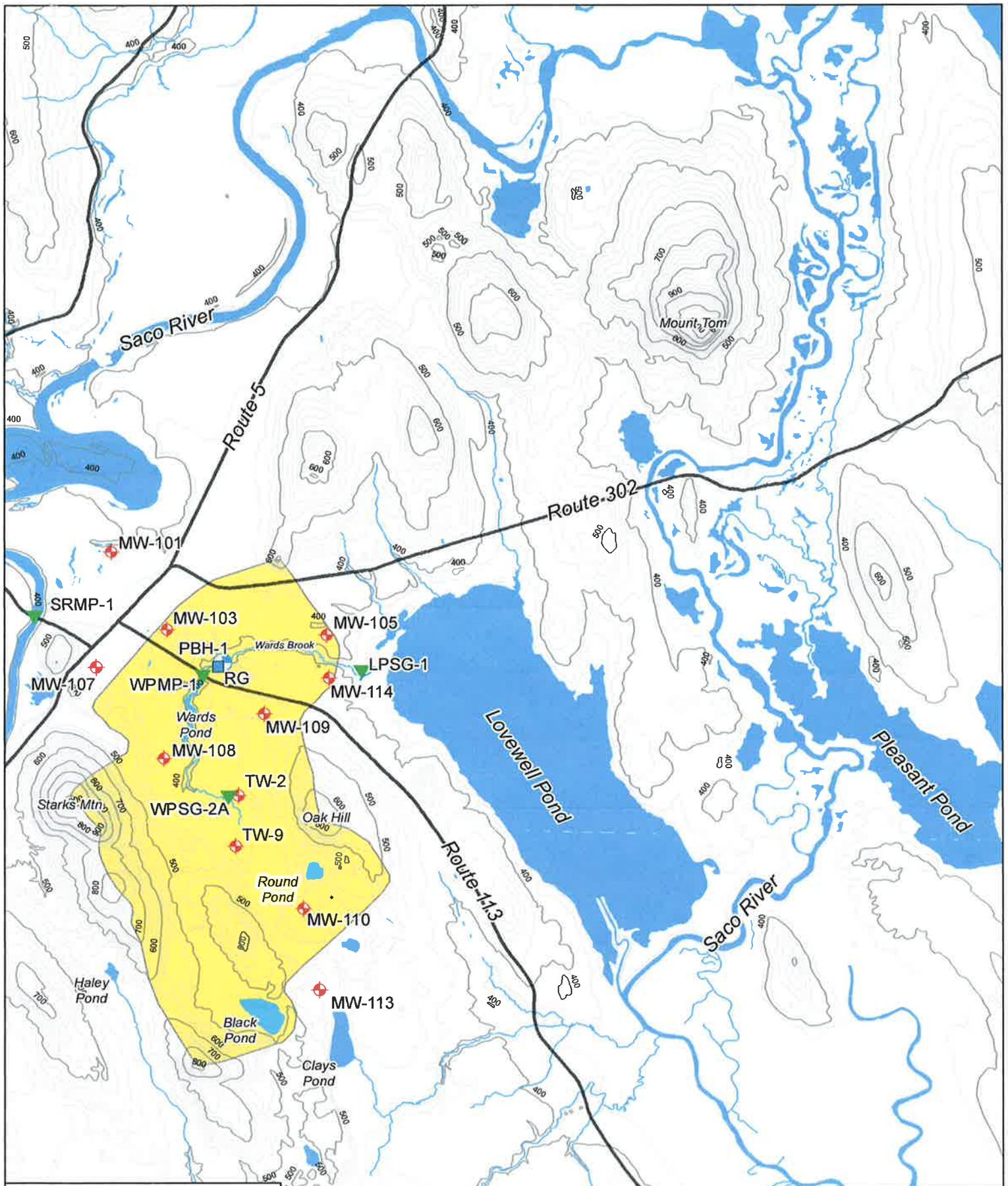
Sincerely,

Luetje Geological Services, LLC



Ed Luetje C.G.

cc: Fryeburg Water Company (Mr. Hugh Hastings)
Fryeburg Water District (Clerk)
Emery & Garrett Groundwater, Inc. (Mr. Peter Garrett)
Poland Spring (Mr. Mark Dubois)



-  BOREHOLE
-  MONITORING WELL
-  RAIN GAUGE
-  SURFACE WATER STATION
-  CONTOUR LINES
-  WARDS BROOK WATERSHED (APPROXIMATE)

FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE

0 0.25 0.5 1 Miles

NOTES:
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N

DATE:
1/3/2012


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Luetje Geological Services, LLC
Ed Luetje, CG
58 Fore Street
Portland, Maine 04101

May 27, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037

RE: April 2015 Aquifer Monitoring Report

INTRODUCTION

Luetje Geological Services (LGS) of Portland, Maine, an independent hydrogeologic consulting firm, has been contracted by Nestle Waters North America Inc. (Poland Spring) to collect and compile hydraulic data from the Wards Brook Aquifer in Fryeburg, Maine. These data are collected as part of regular routine monitoring by Poland Spring and while the monitoring program is not part of a regulatory compliance program, the data are voluntarily provided to the Town of Fryeburg on a monthly basis. The data in the monthly reports, in turn, are used by Poland Spring to compile an annual report of the hydraulic data for the Wards Brook Aquifer.

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GROUNDWATER

Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on April 20th, 2015.

**TABLE 1: GROUNDWATER ELEVATION DATA
APRIL 20th, 2015**

Monitoring Well	Reference Elevation (feet NAVD) ¹	Groundwater Elevation (feet NAVD) ²
MW-101 ³	408.35	399.92
MW-103	421.58	411.00
MW-105	404.98	380.33
MW-107	431.95	425.21
MW-108	419.89	410.62
MW-109	420.11	397.88
MW-110	461.86	416.41
MW-113	441.13	420.36
MW-114	405.20	386.16
TW-2 ⁴	404.18	403.83
TW-9	409.24	409.18

- Notes:
1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of casing for monitoring wells) elevation in feet NAVD.
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 3. MW refers to 'monitoring well'
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Table 2 presents the surface water elevation data measured on April 20th, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
APRIL 20th, 2015**

Surface Water Station	Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.74 ³	364.46
WPMP-1	401.27	397.19
SRMP-1	418.79	398.54
WPSG-2A	403.05 ³	401.22

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PRECIPITATION

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**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
APRIL, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	3.51
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	3.93

Notes: 1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.

WITHDRAWALS

In accordance with the contract with the Fryeburg Water Company, PBH-1 withdrawal totals are presented as total gallons recorded as offloaded at plant facilities. Spring water withdrawals from PBH-1 totaled 12,786,896 gallons for the month of April, 2015.

Based on the groundwater and surface water data collected in Fryeburg, Luetje Geological Services has not observed any adverse impact to waters of the State, water-related natural resources and existing uses as a result of the sale of water by the Fryeburg Water Company to Poland Spring.

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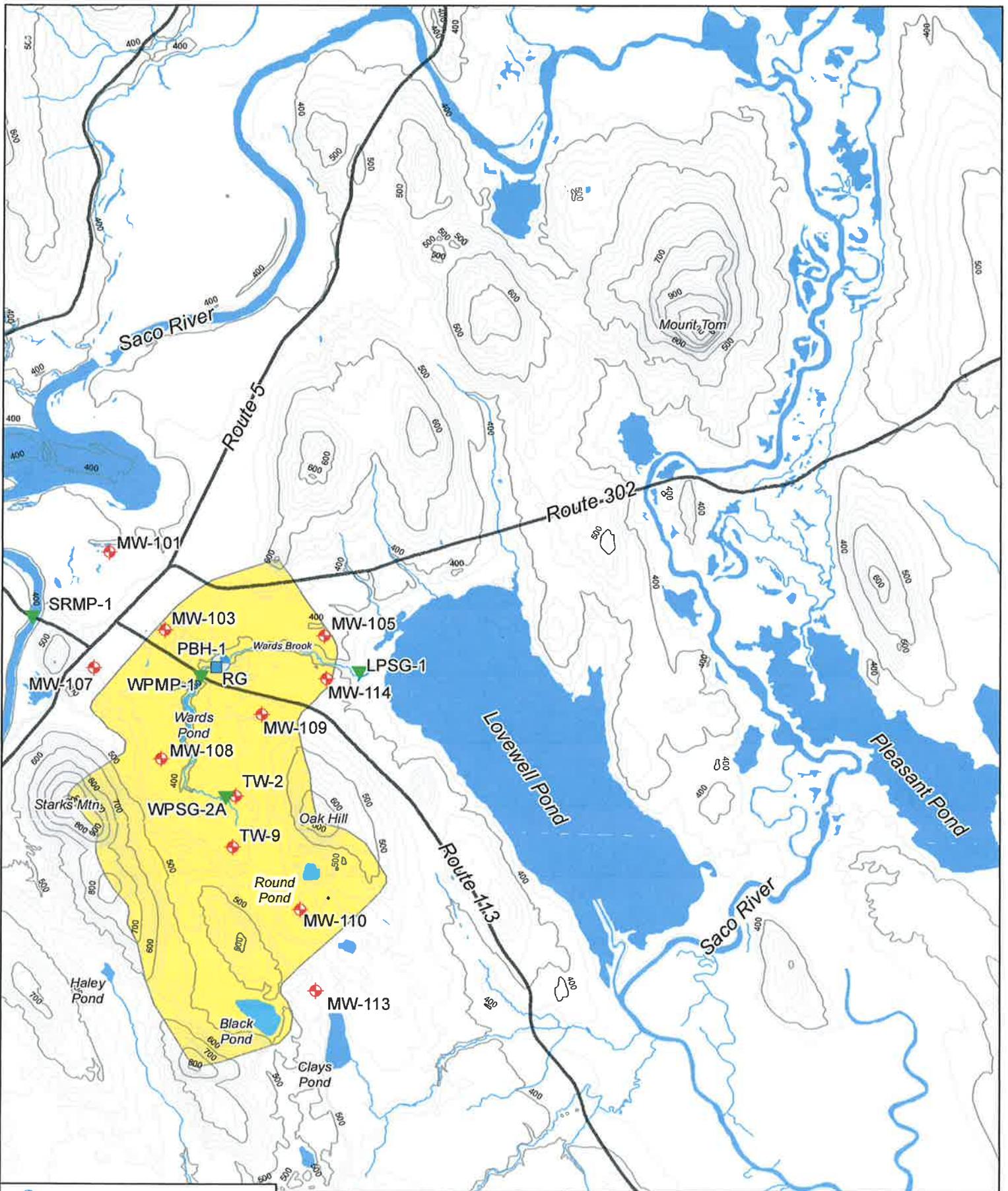
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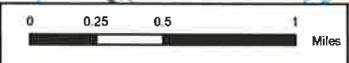
Ed Luetje C.G.

cc: Fryeburg Water Company (Mr. Hugh Hastings)
Emery & Garrett Groundwater, Inc. (Mr. Peter Garrett)
Poland Spring (Mr. Mark Dubois)



- BOREHOLE
- ◆ MONITORING WELL
- RAIN GAUGE
- ▲ SURFACE WATER STATION
- CONTOUR LINES
- WARDS BROOK WATERSHED (APPROXIMATE)

FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE



NOTES:
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N
DATE:
1/3/2012

LUETJE GEOLOGICAL SERVICES
 58 FORE STREET
 PORTLAND, MAINE 04101
 207-415-8898
 lg@maine.ct.com



Luetje Geological Services, LLC
Ed Luetje, CG
58 Fore Street
Portland, Maine 04101

June 27, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037

RE: May 2015 Aquifer Monitoring Report

INTRODUCTION

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MAY 20th, 2015**

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- Wards Pond Monitoring Point (WPMP-1): surface water elevation is measured at the Route 113 crossing over Wards Brook;
- Lovewell Pond Staff Gage (LPSG-1): surface water elevation is measured at the inlet from Wards Pond Brook; and,
- Wards Pond Staff Gage (WPSG-2A): surface water elevation is measured near the center of the watershed in a bog located to the south of Wards Pond.

Table 2 presents the surface water elevation data measured on May 20th, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
MAY 20th, 2015**

Surface Water Station	Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.74 ³	362.48
WPMP-1	401.27	397.08
SRMP-1	418.79	396.89
WPSG-2A	403.05 ³	400.92

Notes: 1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of the staff gage for surface water stations) elevation in feet NAVD.
 2. The Surface Water Elevation is the elevation of the water surface (feet NAVD) at the monitoring station.
 3. Reference elevations for LPSG-1 and WPSG-2A were resurveyed on May 12, 2015 because of the potential movement of the gages due to winter ice conditions. Surface water elevations in this report reflect the updated reference elevations.

PRECIPITATION

Precipitation is recorded on-site adjacent to PBH-1 using an Onset Data Logging Rain Gauge (RG) as shown on Figure 1. The on-site rain gauge has a self-tipping bucket that is activated with every 0.01 inches of precipitation. The gauge is also wrapped with heat tape that melts snowfall and allows measurement of precipitation through the winter months.

Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for May, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
MAY, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	1.15
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	1.13

Notes: 1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.

WITHDRAWALS

In accordance with the contract with the Fryeburg Water Company, PBH-1 withdrawal totals are presented as total gallons recorded as offloaded at plant facilities. Spring water withdrawals from PBH-1 totaled 15,905,937 gallons for the month of May, 2015.

Based on the groundwater and surface water data collected in Fryeburg, Luetje Geological Services has not observed any adverse impact to waters of the State, water-related natural resources and existing uses as a result of the sale of water by the Fryeburg Water Company to Poland Spring.

If you have any questions regarding the data included in this report, please do not hesitate to contact me at (207) 415-9898.

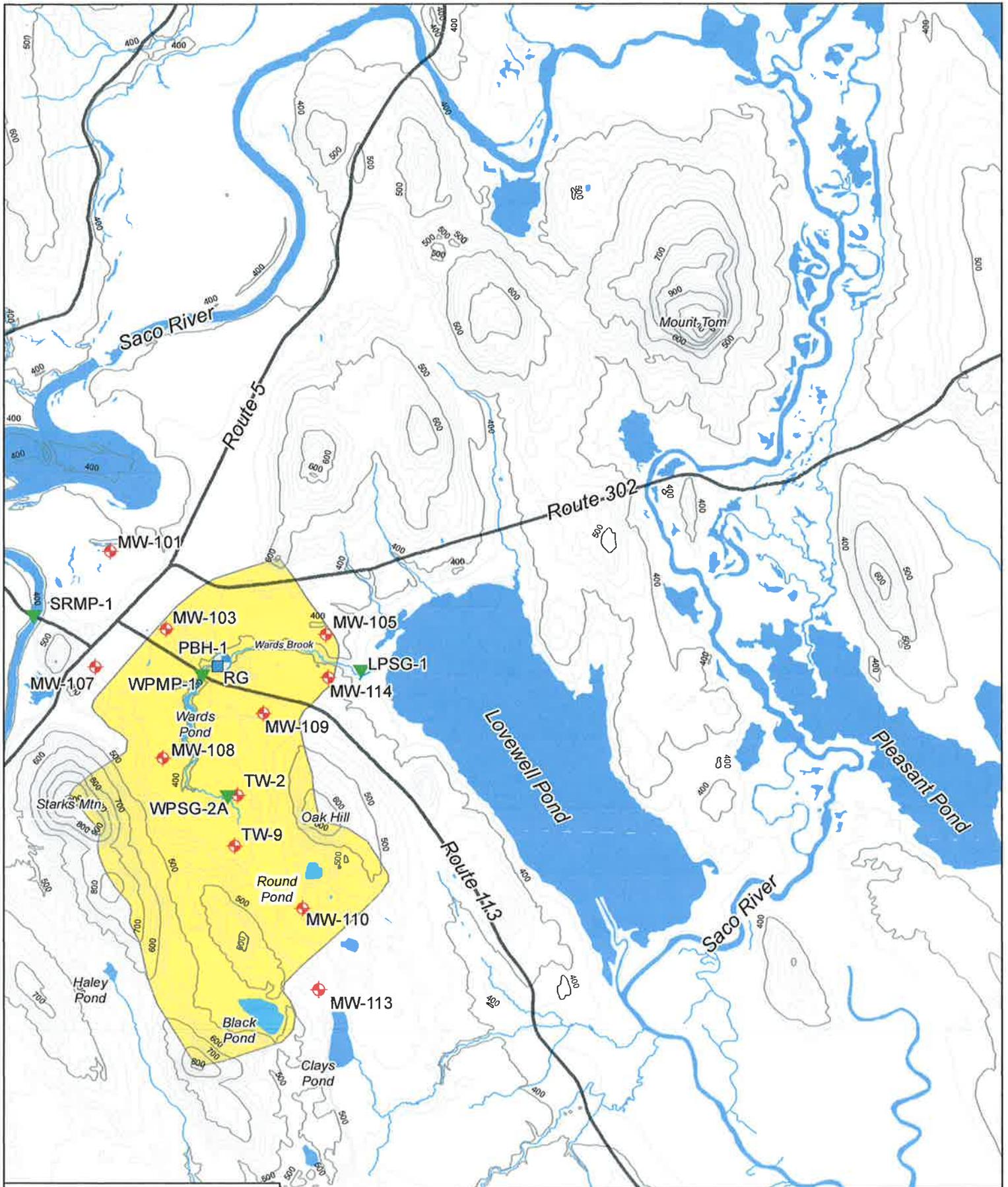
Sincerely,

Luetje Geological Services, LLC



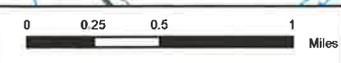
Ed Luetje C.G.

cc: Fryeburg Water Company (Mr. Hugh Hastings)
Emery & Garrett Groundwater, Inc. (Mr. Peter Garrett)
Poland Spring (Mr. Mark Dubois)



-  BOREHOLE
-  MONITORING WELL
-  RAIN GAUGE
-  SURFACE WATER STATION
-  CONTOUR LINES
-  WARDS BROOK WATERSHED (APPROXIMATE)

FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE



NOTES:
1. ALL GENERAL DATA LAYERS ACQUIRED FROM THE MAINE OFFICE OF GIS.
2. CONTOURS ARE 20' INTERVALS.

N

DATE:
1/3/2012


LUEPJE GEOLOGICAL SERVICES
58 FORD STREET
PORTLAND, MAINE 04101
207-415-9898
lg@maine.rr.com



July 27, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037

RE: June 2015 Aquifer Monitoring Report

INTRODUCTION

Luetje Geological Services (LGS) of Portland, Maine, an independent hydrogeologic consulting firm, has been contracted by Nestle Waters North America Inc. (Poland Spring) to collect and compile hydraulic data from the Wards Brook Aquifer in Fryeburg, Maine. These data are collected as part of regular routine monitoring by Poland Spring and while the monitoring program is not part of a regulatory compliance program, the data are voluntarily provided to the Town of Fryeburg on a monthly basis. The data in the monthly reports, in turn, are used by Poland Spring to compile an annual report of the hydraulic data for the Wards Brook Aquifer.

Data are presented for eleven monitoring wells, four surface water stations, from rain gauges at the Borehole-1 load-out facility and the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center), and withdrawal data from Borehole-1 (PBH-1; dedicated spring water borehole). Locations of all data collection stations are shown in Figure 1 located at the end of this report.

GROUNDWATER

Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on June 18th, 2015.

**TABLE 1: GROUNDWATER ELEVATION DATA
JUNE 18th, 2015**

Monitoring Well	Reference Elevation (feet NAVD) ¹	Groundwater Elevation (feet NAVD) ²
MW-101 ³	408.35	398.43
MW-103	421.58	410.69
MW-105	404.98	379.75
MW-107	431.95	424.47
MW-108	419.89	410.07
MW-109	420.11	397.83
MW-110	461.86	417.87
MW-113	441.13	421.35
MW-114	405.20	384.72
TW-2 ⁴	404.18	404.28
TW-9	409.24	409.84

- Notes:
1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of casing for monitoring wells) elevation in feet NAVD.
 2. The Groundwater Elevation is the elevation of the water table (feet NAVD) at the monitoring well.
 3. MW refers to 'monitoring well'
 4. TW refers to 'test well'

SURFACE WATER

Surface water elevation is measured at four locations in and around the Wards Brook Aquifer watershed as seen in Figure 1. Spring water was flowing to the ground surface this month near PBH-1 as observed at the main spring pool weir and several nearby springs. The surface water elevation measuring locations are as follows:

- Saco River Monitoring Point (SRMP-1): surface water elevation is measured at the Route 113 bridge over the Saco River;
- Wards Pond Monitoring Point (WPMP-1): surface water elevation is measured at the Route 113 crossing over Wards Brook;
- Lovewell Pond Staff Gage (LPSG-1): surface water elevation is measured at the inlet from Wards Pond Brook; and,
- Wards Pond Staff Gage (WPSG-2A): surface water elevation is measured near the center of the watershed in a bog located to the south of Wards Pond.

Table 2 presents the surface water elevation data measured on June 18th, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
JUNE 18th, 2015**

Surface Water Station	Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.74 ³	362.39
WPMP-1	401.27	397.08
SRMP-1	418.79	396.61
WPSG-2A	403.05 ³	400.89

Notes: 1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of the staff gage for surface water stations) elevation in feet NAVD.
 2. The Surface Water Elevation is the elevation of the water surface (feet NAVD) at the monitoring station.
 3. Reference elevations for LPSG-1 and WPSG-2A were resurveyed on May 12, 2015 because of the potential movement of the gages due to winter ice conditions. Surface water elevations in this report reflect the updated reference elevations.

PRECIPITATION

Precipitation is recorded on-site adjacent to PBH-1 using an Onset Data Logging Rain Gauge (RG) as shown on Figure 1. The on-site rain gauge has a self-tipping bucket that is activated with every 0.01 inches of precipitation. The gauge is also wrapped with heat tape that melts snowfall and allows measurement of precipitation through the winter months.

Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for June, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
JUNE, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	6.84
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	7.46

Notes: 1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.

WITHDRAWALS

In accordance with the contract with the Fryeburg Water Company, PBH-1 withdrawal totals are presented as total gallons recorded as offloaded at plant facilities. Spring water withdrawals from PBH-1 totaled 18,399,025 gallons for the month of June, 2015.

Based on the groundwater and surface water data collected in Fryeburg, Luetje Geological Services has not observed any adverse impact to waters of the State, water-related natural resources and existing uses as a result of the sale of water by the Fryeburg Water Company to Poland Spring.

If you have any questions regarding the data included in this report, please do not hesitate to contact me at (207) 415-9898.

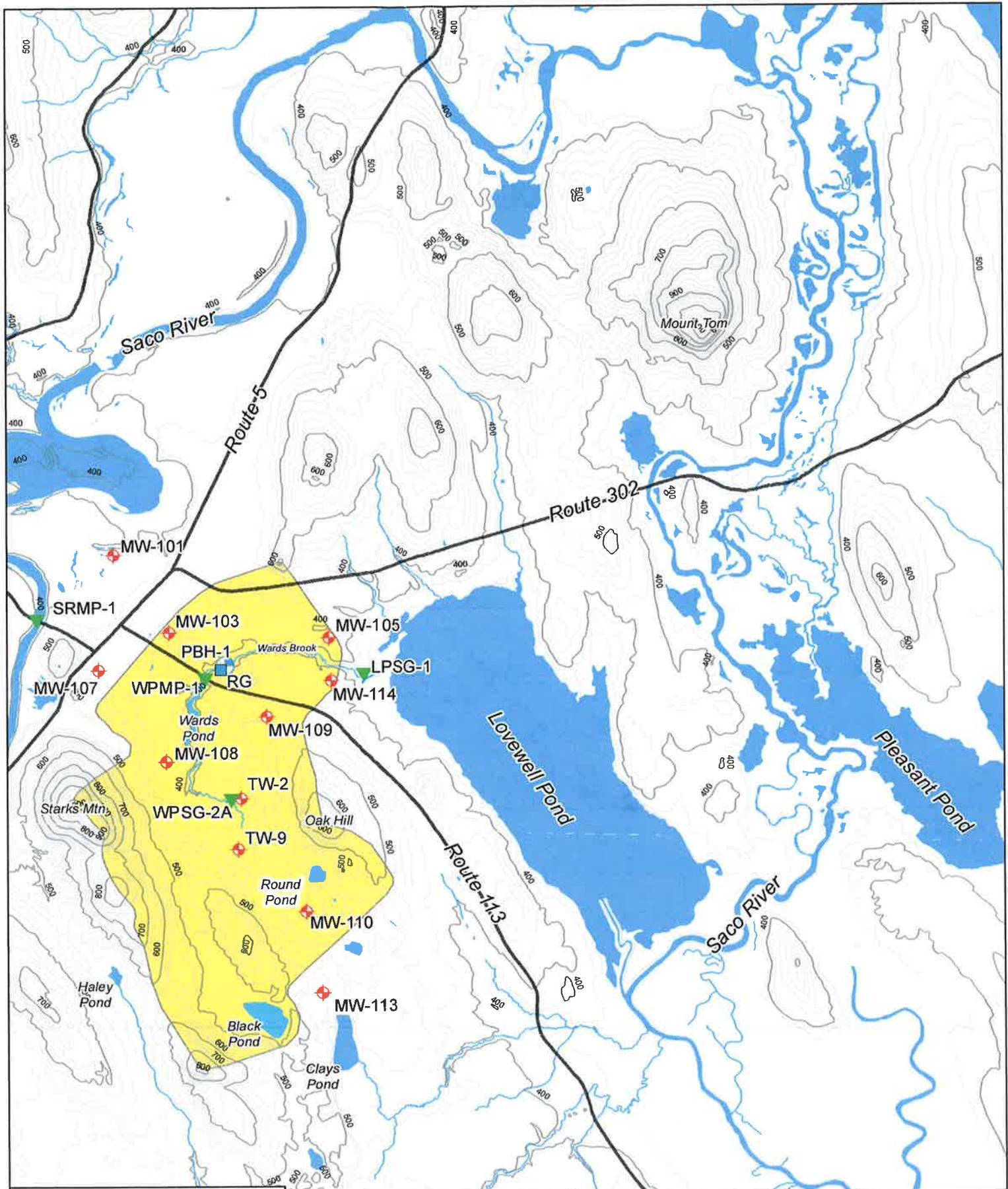
Sincerely,

Luetje Geological Services, LLC



Ed Luetje C.G.

cc: Fryeburg Water Company (Mr. Hugh Hastings)
Emery & Garrett Groundwater, Inc. (Mr. Peter Garrett)
Poland Spring (Mr. Mark Dubois)



- BOREHOLE
- ◆ MONITORING WELL
- RAIN GAUGE
- ▼ SURFACE WATER STATION
- CONTOUR LINES
- WARDS BROOK WATERSHED (APPROXIMATE)

FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE



NOTES:
 1. ALL GENERAL DATA LAYERS ACQUIRED FROM THE MAINE OFFICE OF GIS.
 2. CONTOURS ARE 20' INTERVALS.

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 DATE:
 1/3/2012

LG S
 LUETJE GEOLOGICAL SERVICES
 58 FORD STREET
 PORTLAND, MAINE 04101
 207-415-9898
 lgs@maine.rr.com



August 25, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037

RE: July 2015 Aquifer Monitoring Report

INTRODUCTION

Luetje Geological Services (LGS) of Portland, Maine, an independent hydrogeologic consulting firm, has been contracted by Nestle Waters North America Inc. (Poland Spring) to collect and compile hydraulic data from the Wards Brook Aquifer in Fryeburg, Maine. These data are collected as part of regular routine monitoring by Poland Spring and while the monitoring program is not part of a regulatory compliance program, the data are voluntarily provided to the Town of Fryeburg on a monthly basis. The data in the monthly reports, in turn, are used by Poland Spring to compile an annual report of the hydraulic data for the Wards Brook Aquifer.

Data are presented for eleven monitoring wells, four surface water stations, from rain gauges at the Borehole-1 load-out facility and the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center), and withdrawal data from Borehole-1 (PBH-1; dedicated spring water borehole). Locations of all data collection stations are shown in Figure 1 located at the end of this report.

GROUNDWATER

Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on July 21st, 2015.

**TABLE 1: GROUNDWATER ELEVATION DATA
JULY 21st, 2015**

Monitoring Well	Reference Elevation (feet NAVD) ¹	Groundwater Elevation (feet NAVD) ²
MW-101 ³	408.35	398.76
MW-103	421.58	410.92
MW-105	404.98	379.76
MW-107	431.95	424.02
MW-108	419.89	409.99
MW-109	420.11	397.71
MW-110	461.86	417.41
MW-113	441.13	421.04
MW-114	405.20	384.64
TW-2 ⁴	404.18	403.85
TW-9	409.24	409.47

- Notes:
1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of casing for monitoring wells) elevation in feet NAVD.
 2. The Groundwater Elevation is the elevation of the water table (feet NAVD) at the monitoring well.
 3. MW refers to 'monitoring well'
 4. TW refers to 'test well'

SURFACE WATER

Surface water elevation is measured at four locations in and around the Wards Brook Aquifer watershed as seen in Figure 1. Spring water was flowing to the ground surface this month near PBH-1 as observed at the main spring pool weir and several nearby springs. The surface water elevation measuring locations are as follows:

- Saco River Monitoring Point (SRMP-1): surface water elevation is measured at the Route 113 bridge over the Saco River;
- Wards Pond Monitoring Point (WPMP-1): surface water elevation is measured at the Route 113 crossing over Wards Brook;
- Lovewell Pond Staff Gage (LPSG-1): surface water elevation is measured at the inlet from Wards Pond Brook; and,
- Wards Pond Staff Gage (WPSG-2A): surface water elevation is measured near the center of the watershed in a bog located to the south of Wards Pond.

Table 2 presents the surface water elevation data measured on July 21st, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
JULY 21st, 2015**

Surface Water Station	Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.74 ³	362.61
WPMP-1	401.27	397.47
SRMP-1	418.79	396.64
WPSG-2A	403.05 ³	401.30

Notes: 1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of the staff gage for surface water stations) elevation in feet NAVD.
 2. The Surface Water Elevation is the elevation of the water surface (feet NAVD) at the monitoring station.
 3. Reference elevations for LPSG-1 and WPSG-2A were resurveyed on May 12, 2015 because of the potential movement of the gages due to winter ice conditions. Surface water elevations in this report reflect the updated reference elevations.

PRECIPITATION

Precipitation is recorded on-site adjacent to PBH-1 using an Onset Data Logging Rain Gauge (RG) as shown on Figure 1. The on-site rain gauge has a self-tipping bucket that is activated with every 0.01 inches of precipitation. The gauge is also wrapped with heat tape that melts snowfall and allows measurement of precipitation through the winter months.

Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for July, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
JULY, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	3.64
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	4.15

Notes: 1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.

WITHDRAWALS

In accordance with the contract with the Fryeburg Water Company, PBH-1 withdrawal totals are presented as total gallons recorded as offloaded at plant facilities. Spring water withdrawals from PBH-1 totaled 13,666,159 gallons for the month of July, 2015.

Based on the groundwater and surface water data collected in Fryeburg, Luetje Geological Services has not observed any adverse impact to waters of the State, water-related natural resources and existing uses as a result of the sale of water by the Fryeburg Water Company to Poland Spring.

If you have any questions regarding the data included in this report, please do not hesitate to contact me at (207) 415-9898.

Sincerely,
Luetje Geological Services, LLC



Ed Luetje C.G.

cc: Fryeburg Water Company (Mr. Hugh Hastings)
Emery & Garrett Groundwater, Inc. (Mr. Peter Garrett)
Poland Spring (Mr. Mark Dubois)

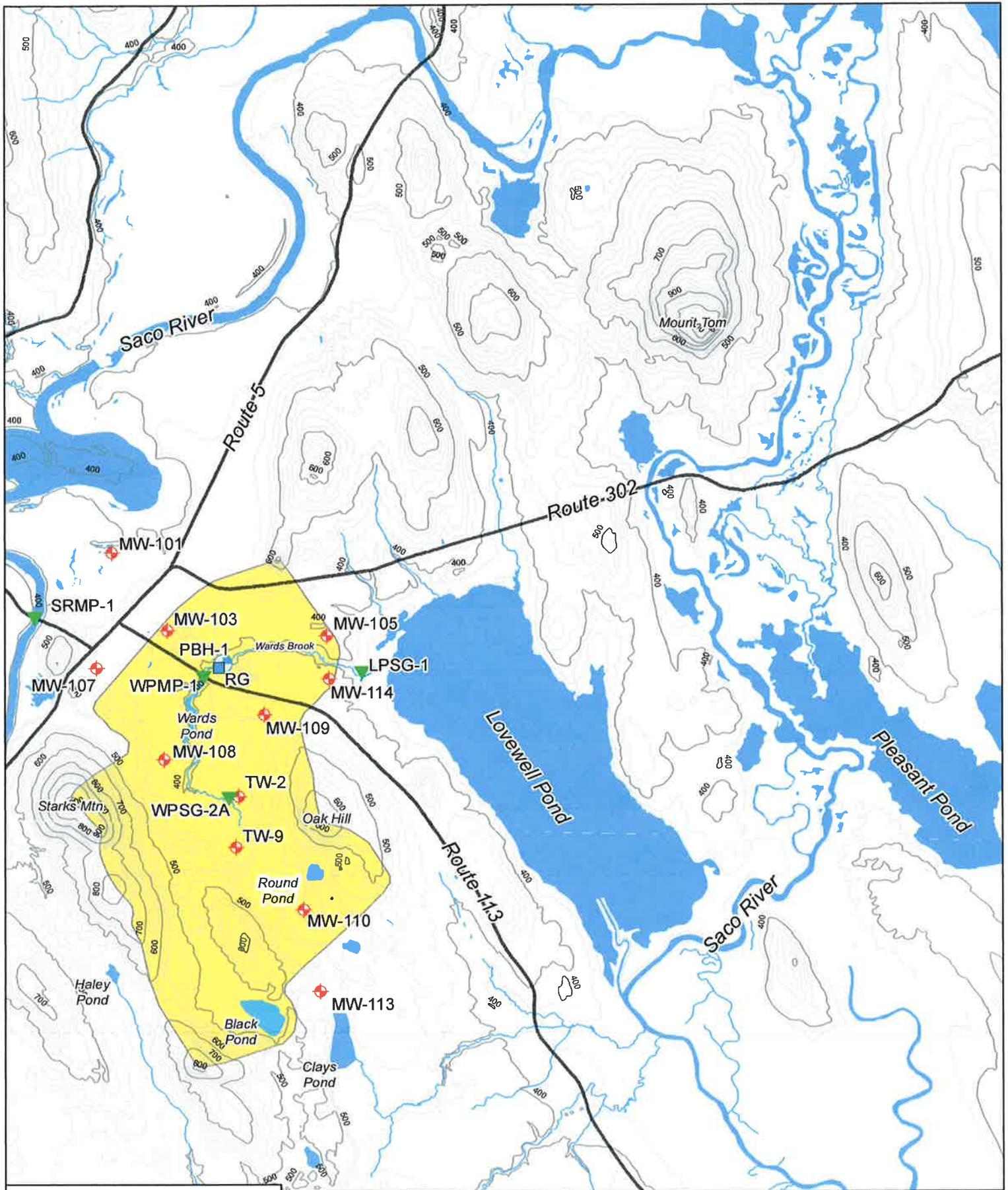


FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE



NOTES:
1. ALL GENERAL DATA LAYERS ACQUIRED FROM THE MAINE OFFICE OF GIS
2. CONTOURS ARE 20' INTERVALS.

LOG
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-  BOREHOLE
-  MONITORING WELL
-  RAIN GAUGE
-  SURFACE WATER STATION
-  CONTOUR LINES
-  WARDS BROOK WATERSHED (APPROXIMATE)



September 25, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037



RE: August 2015 Aquifer Monitoring Report

INTRODUCTION

Luetje Geological Services (LGS) of Portland, Maine, an independent hydrogeologic consulting firm, has been contracted by Nestle Waters North America Inc. (Poland Spring) to collect and compile hydraulic data from the Wards Brook Aquifer in Fryeburg, Maine. These data are collected as part of regular routine monitoring by Poland Spring and while the monitoring program is not part of a regulatory compliance program, the data are voluntarily provided to the Town of Fryeburg on a monthly basis. The data in the monthly reports, in turn, are used by Poland Spring to compile an annual report of the hydraulic data for the Wards Brook Aquifer.

Data are presented for eleven monitoring wells, four surface water stations, from rain gauges at the Borehole-1 load-out facility and the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center), and withdrawal data from Borehole-1 (PBH-1; dedicated spring water borehole). Locations of all data collection stations are shown in Figure 1 located at the end of this report.

GROUNDWATER

Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on August 19th, 2015.

**TABLE 1: GROUNDWATER ELEVATION DATA
AUGUST 19th, 2015**

Monitoring Well	Reference Elevation (feet NAVD) ¹	Groundwater Elevation (feet NAVD) ²
MW-101 ³	408.35	397.74
MW-103	421.58	410.32
MW-105	404.98	379.23
MW-107	431.95	422.58
MW-108	419.89	409.11
MW-109	420.11	397.25
MW-110	461.86	416.98
MW-113	441.13	420.70
MW-114	405.20	383.76
TW-2 ⁴	404.18	403.31
TW-9	409.24	408.99

- Notes:
1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of casing for monitoring wells) elevation in feet NAVD.
 2. The Groundwater Elevation is the elevation of the water table (feet NAVD) at the monitoring well.
 3. MW refers to 'monitoring well'
 4. TW refers to 'test well'

SURFACE WATER

Surface water elevation is measured at four locations in and around the Wards Brook Aquifer watershed as seen in Figure 1. Spring water was flowing to the ground surface this month near PBH-1 as observed at the main spring pool weir and several nearby springs. The surface water elevation measuring locations are as follows:

- Saco River Monitoring Point (SRMP-1): surface water elevation is measured at the Route 113 bridge over the Saco River;
- Wards Pond Monitoring Point (WPMP-1): surface water elevation is measured at the Route 113 crossing over Wards Brook;
- Lovewell Pond Staff Gage (LPSG-1): surface water elevation is measured at the inlet from Wards Pond Brook; and,
- Wards Pond Staff Gage (WPSG-2A): surface water elevation is measured near the center of the watershed in a bog located to the south of Wards Pond.

Table 2 presents the surface water elevation data measured on August 19th, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
AUGUST 19th, 2015**

Surface Water Station	Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.74 ³	362.33
WPMP-1	401.27	397.33
SRMP-1	418.79	396.27
WPSG-2A	403.05 ³	400.81

Notes: 1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of the staff gage for surface water stations) elevation in feet NAVD.
 2. The Surface Water Elevation is the elevation of the water surface (feet NAVD) at the monitoring station.
 3. Reference elevations for LPSG-1 and WPSG-2A were resurveyed on May 12, 2015 because of the potential movement of the gages due to winter ice conditions. Surface water elevations in this report reflect the updated reference elevations.

PRECIPITATION

Precipitation is recorded on-site adjacent to PBH-1 using an Onset Data Logging Rain Gauge (RG) as shown on Figure 1. The on-site rain gauge has a self-tipping bucket that is activated with every 0.01 inches of precipitation. The gauge is also wrapped with heat tape that melts snowfall and allows measurement of precipitation through the winter months.

Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for August, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
AUGUST, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	3.07
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	3.22

Notes: 1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.

WITHDRAWALS

In accordance with the contract with the Fryeburg Water Company, PBH-1 withdrawal totals are presented as total gallons recorded as offloaded at plant facilities. Spring water withdrawals from PBH-1 totaled 17,209,247 gallons for the month of August, 2015.

Based on the groundwater and surface water data collected in Fryeburg, Luetje Geological Services has not observed any adverse impact to waters of the State, water-related natural resources and existing uses as a result of the sale of water by the Fryeburg Water Company to Poland Spring.

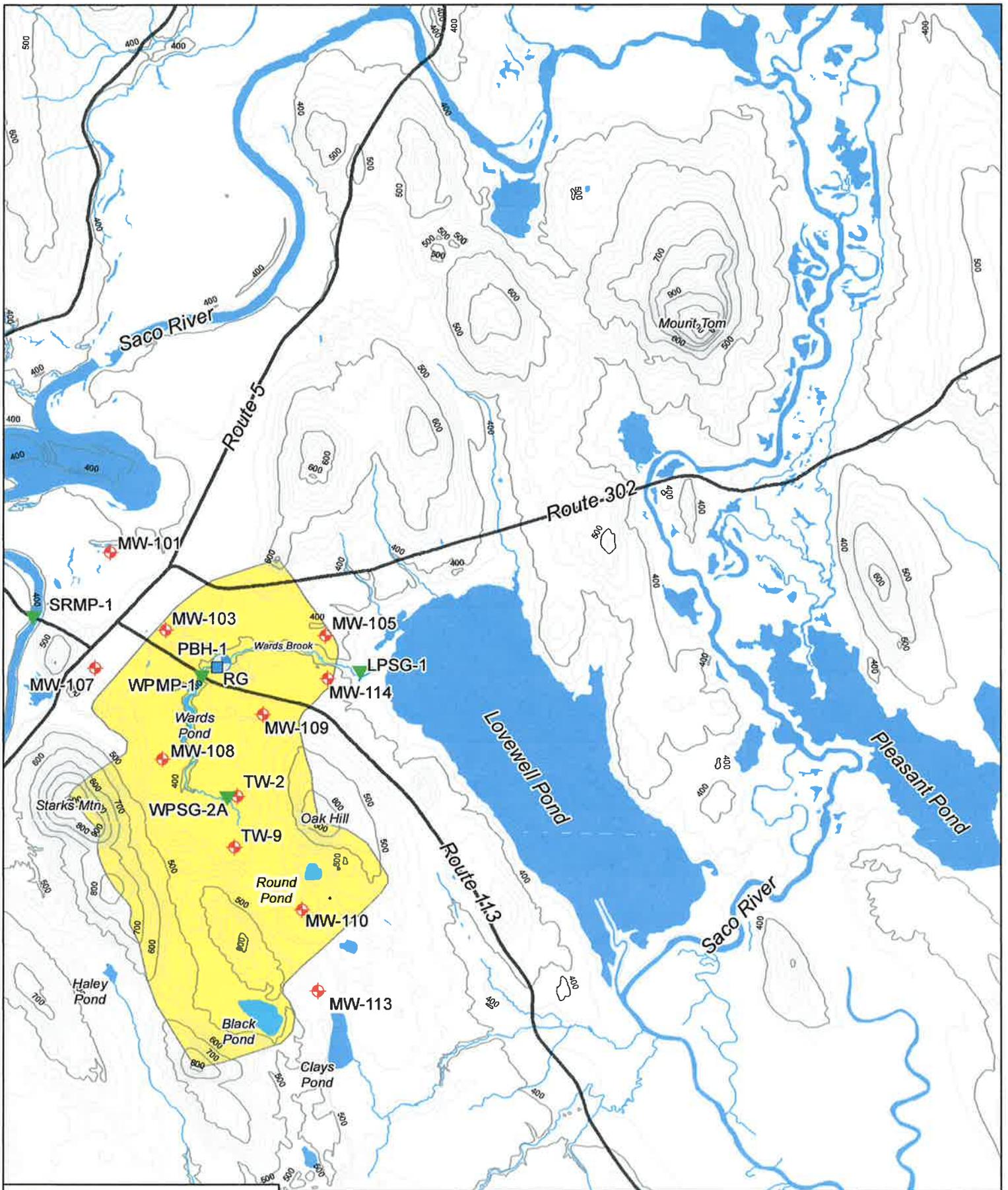
If you have any questions regarding the data included in this report, please do not hesitate to contact me at (207) 415-9898.

Sincerely,
Luetje Geological Services, LLC



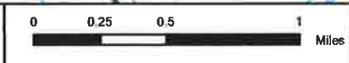
Ed Luetje C.G.

cc: Fryeburg Water Company (Mr. Hugh Hastings)
Emery & Garrett Groundwater, Inc. (Mr. Peter Garrett)
Poland Spring (Mr. Mark Dubois)



	BOREHOLE
	MONITORING WELL
	RAIN GAUGE
	SURFACE WATER STATION
	CONTOUR LINES
	WARDS BROOK WATERSHED (APPROXIMATE)

FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE



NOTES:
 1. ALL GENERAL DATA LAYERS ACQUIRED FROM THE MAINE OFFICE OF GIS.
 2. CONTOURS ARE 20' INTERVALS.

DATE:
 1/3/2012

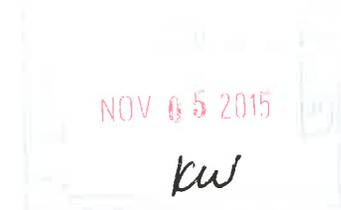
LUETTE GEOLOGICAL SERVICES
 58 FORE STREET
 PORTLAND, MAINE 04101
 207-415-9898
 lgs@maine.rr.com



Luetje Geological Services, LLC
Ed Luetje, CG
58 Fore Street
Portland, Maine 04101

October 28, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037



RE: September 2015 Aquifer Monitoring Report

INTRODUCTION

Luetje Geological Services (LGS) of Portland, Maine, an independent hydrogeologic consulting firm, has been contracted by Nestle Waters North America Inc. (Poland Spring) to collect and compile hydraulic data from the Wards Brook Aquifer in Fryeburg, Maine. These data are collected as part of regular routine monitoring by Poland Spring and while the monitoring program is not part of a regulatory compliance program, the data are voluntarily provided to the Town of Fryeburg on a monthly basis. The data in the monthly reports, in turn, are used by Poland Spring to compile an annual report of the hydraulic data for the Wards Brook Aquifer.

Data are presented for eleven monitoring wells, four surface water stations, from rain gauges at the Borehole-1 load-out facility and the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center), and withdrawal data from Borehole-1 (PBH-1; dedicated spring water borehole). Locations of all data collection stations are shown in Figure 1 located at the end of this report.

GROUNDWATER

Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on September 17th, 2015.

**TABLE 1: GROUNDWATER ELEVATION DATA
SEPTEMBER 17th, 2015**

Monitoring Well	Reference Elevation (feet NAVD) ¹	Groundwater Elevation (feet NAVD) ²
MW-101 ³	408.35	397.94
MW-103	421.58	409.88
MW-105	404.98	378.98
MW-107	431.95	421.45
MW-108	419.89	408.65
MW-109	420.11	396.79
MW-110	461.86	416.43
MW-113	441.13	420.36
MW-114	405.20	383.12
TW-2 ⁴	404.18	403.00
TW-9	409.24	408.62

- Notes:
1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of casing for monitoring wells) elevation in feet NAVD.
 2. The Groundwater Elevation is the elevation of the water table (feet NAVD) at the monitoring well.
 3. MW refers to 'monitoring well'
 4. TW refers to 'test well'

SURFACE WATER

Surface water elevation is measured at four locations in and around the Wards Brook Aquifer watershed as seen in Figure 1. Spring water was flowing to the ground surface this month near PBH-1 as observed at the main spring pool weir and several nearby springs. The surface water elevation measuring locations are as follows:

- Saco River Monitoring Point (SRMP-1): surface water elevation is measured at the Route 113 bridge over the Saco River;
- Wards Pond Monitoring Point (WPMP-1): surface water elevation is measured at the Route 113 crossing over Wards Brook;
- Lovewell Pond Staff Gage (LPSG-1): surface water elevation is measured at the inlet from Wards Pond Brook; and,
- Wards Pond Staff Gage (WPSG-2A): surface water elevation is measured near the center of the watershed in a bog located to the south of Wards Pond.

Table 2 presents the surface water elevation data measured on September 17th, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
SEPTEMBER 17th, 2015**

Surface Water Station	Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.74 ³	362.41
WPMP-1	401.27	397.48
SRMP-1	418.79	396.04
WPSG-2A	403.05 ³	401.09

Notes: 1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of the staff gage for surface water stations) elevation in feet NAVD.
 2. The Surface Water Elevation is the elevation of the water surface (feet NAVD) at the monitoring station.
 3. Reference elevations for LPSG-1 and WPSG-2A were resurveyed on May 12, 2015 because of the potential movement of the gages due to winter ice conditions. Surface water elevations in this report reflect the updated reference elevations.

PRECIPITATION

Precipitation is recorded on-site adjacent to PBH-1 using an Onset Data Logging Rain Gauge (RG) as shown on Figure 1. The on-site rain gauge has a self-tipping bucket that is activated with every 0.01 inches of precipitation. The gauge is also wrapped with heat tape that melts snowfall and allows measurement of precipitation through the winter months.

Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for September, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
SEPTEMBER, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	7.08
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	7.80

Notes: 1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.

WITHDRAWALS

In accordance with the contract with the Fryeburg Water Company, PBH-1 withdrawal totals are presented as total gallons recorded as offloaded at plant facilities. Spring water withdrawals from PBH-1 totaled 17,066,646 gallons for the month of September, 2015.

Based on the groundwater and surface water data collected in Fryeburg, Luetje Geological Services has not observed any adverse impact to waters of the State, water-related natural resources and existing uses as a result of the sale of water by the Fryeburg Water Company to Poland Spring.

If you have any questions regarding the data included in this report, please do not hesitate to contact me at (207) 415-9898.

Sincerely,
Luetje Geological Services, LLC

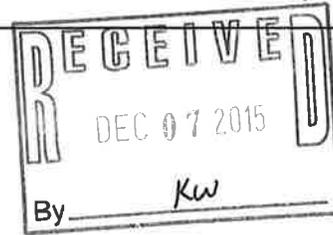


Ed Luetje C.G.

cc: Fryeburg Water Company (Mr. Hugh Hastings)
Emery & Garrett Groundwater, Inc. (Mr. Peter Garrett)
Poland Spring (Mr. Mark Dubois)



Luetje Geological Services, LLC
Ed Luetje, CG
58 Fore Street
Portland, Maine 04101



November 28, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037

RE: October 2015 Aquifer Monitoring Report

INTRODUCTION

Luetje Geological Services (LGS) of Portland, Maine, an independent hydrogeologic consulting firm, has been contracted by Nestle Waters North America Inc. (Poland Spring) to collect and compile hydraulic data from the Wards Brook Aquifer in Fryeburg, Maine. These data are collected as part of regular routine monitoring by Poland Spring and while the monitoring program is not part of a regulatory compliance program, the data are voluntarily provided to the Town of Fryeburg on a monthly basis. The data in the monthly reports, in turn, are used by Poland Spring to compile an annual report of the hydraulic data for the Wards Brook Aquifer.

Data are presented for eleven monitoring wells, four surface water stations, from rain gauges at the Borehole-1 load-out facility and the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center), and withdrawal data from Borehole-1 (PBH-1; dedicated spring water borehole). Locations of all data collection stations are shown in Figure 1 located at the end of this report.

GROUNDWATER

Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on October 19th, 2015.

Table 2 presents the surface water elevation data measured on October 19th, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
OCTOBER 19th, 2015**

Surface Water Station	Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.74 ³	362.62
WPMP-1	401.27	397.26
SRMP-1	418.79	396.34
WPSG-2A	403.05 ³	401.05

- Notes:
1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of the staff gage for surface water stations) elevation in feet NAVD.
 2. The Surface Water Elevation is the elevation of the water surface (feet NAVD) at the monitoring station.
 3. Reference elevations for LPSG-1 and WPSG-2A were resurveyed on May 12, 2015 because of the potential movement of the gages due to winter ice conditions. Surface water elevations in this report reflect the updated reference elevations.

PRECIPITATION

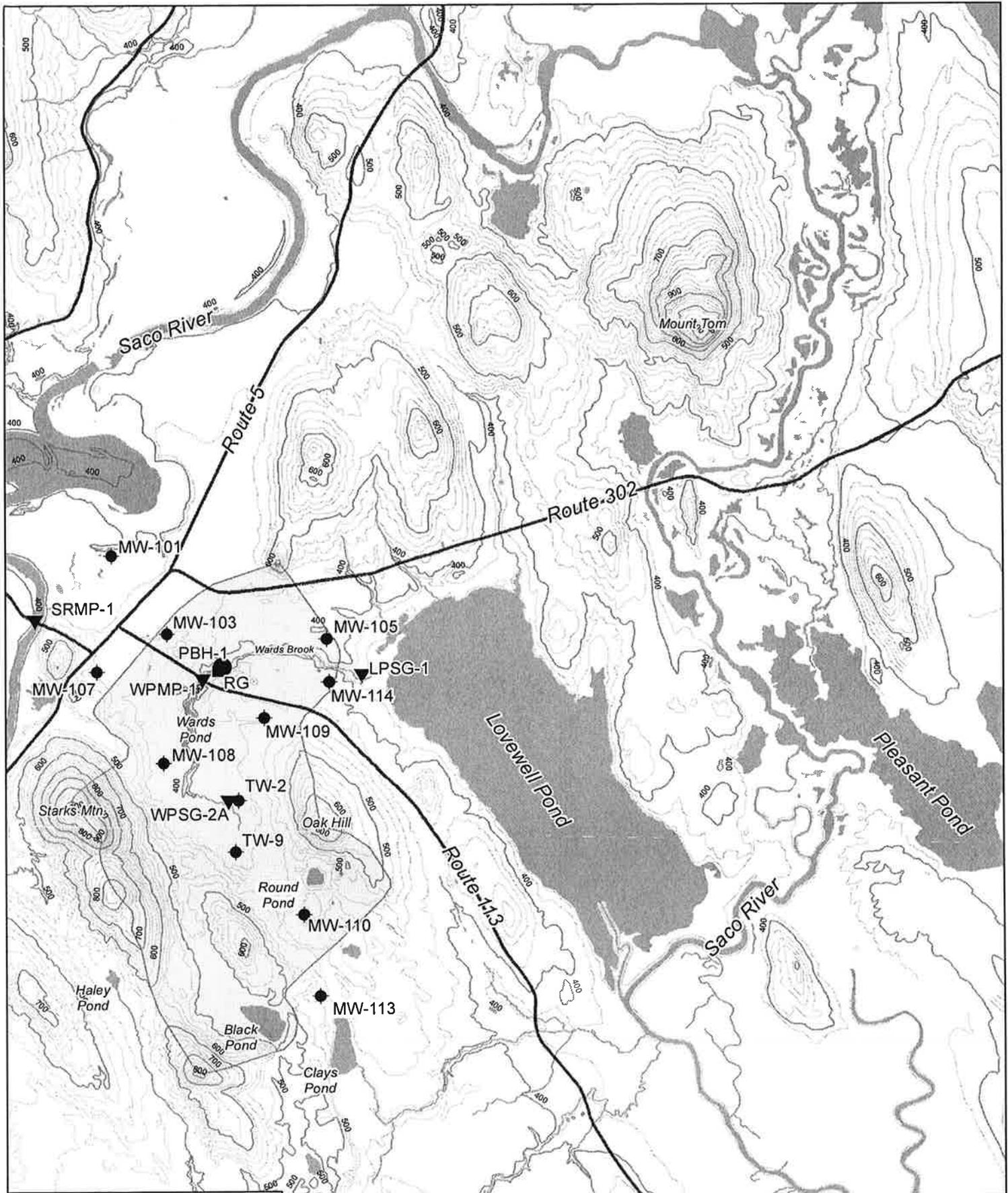
Precipitation is recorded on-site adjacent to PBH-1 using an Onset Data Logging Rain Gauge (RG) as shown on Figure 1. The on-site rain gauge has a self-tipping bucket that is activated with every 0.01 inches of precipitation. The gauge is also wrapped with heat tape that melts snowfall and allows measurement of precipitation through the winter months.

Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for October, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
OCTOBER, 2015**

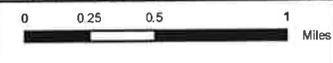
Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	3.47
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	3.36

- Notes:
1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.



- BOREHOLE
- ◆ MONITORING WELL
- RAIN GAUGE
- ▼ SURFACE WATER STATION
- CONTOUR LINES
- ▭ WARDS BROOK WATERSHED (APPROXIMATE)

FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE



NOTES:
 1. ALL GENERAL DATA LAYERS ACQUIRED FROM THE MAINE OFFICE OF GIS
 2. CONTOURS ARE 20' INTERVALS.

LOS
 LUETTE GEOLOGICAL SERVICES
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Luetje Geological Services, LLC
Ed Luetje, CG
58 Fore Street
Portland, Maine 04101

December 28, 2015

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037



RE: November 2015 Aquifer Monitoring Report

INTRODUCTION

Luetje Geological Services (LGS) of Portland, Maine, an independent hydrogeologic consulting firm, has been contracted by Nestle Waters North America Inc. (Poland Spring) to collect and compile hydraulic data from the Wards Brook Aquifer in Fryeburg, Maine. These data are collected as part of regular routine monitoring by Poland Spring and while the monitoring program is not part of a regulatory compliance program, the data are voluntarily provided to the Town of Fryeburg on a monthly basis. The data in the monthly reports, in turn, are used by Poland Spring to compile an annual report of the hydraulic data for the Wards Brook Aquifer.

Data are presented for eleven monitoring wells, four surface water stations, from rain gauges at the Borehole-1 load-out facility and the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center), and withdrawal data from Borehole-1 (PBH-1; dedicated spring water borehole). Locations of all data collection stations are shown in Figure 1 located at the end of this report.

GROUNDWATER

Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on November 18th, 2015.

A site-wide re-survey of measuring point elevations (reference elevations) was conducted in November 2015 by Bliss Associates. Groundwater and surface water elevations presented in Tables 1 and 2 of this report reflect these new reference elevations.

**TABLE 1: GROUNDWATER ELEVATION DATA
NOVEMBER 18th, 2015**

Monitoring Well	Old Reference Elevation (feet NAVD) ¹	New Reference Elevation (feet NAVD) ¹	Groundwater Elevation (feet NAVD) ²
MW-101 ³	408.35	408.32	398.67
MW-103	421.58	421.42	410.38
MW-105	404.98	404.98	379.51
MW-107	431.95	432.05	422.51
MW-108	419.89	419.88	409.55
MW-109	420.11	420.08	397.24
MW-110	461.86	461.84	415.69
MW-113	441.13	441.11	419.96
MW-114	405.20	405.25	384.44
TW-2 ⁴	404.18	404.19	402.03
TW-9	409.24	409.17	408.17

- Notes:
1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of casing for monitoring wells) elevation in feet NAVD. New reference elevations were provided by Bliss Associates in November 2015.
 2. The Groundwater Elevation is the elevation of the water table (feet NAVD) at the monitoring well.
 3. MW refers to 'monitoring well'
 4. TW refers to 'test well'

SURFACE WATER

Surface water elevation is measured at four locations in and around the Wards Brook Aquifer watershed as seen in Figure 1. Spring water was flowing to the ground surface this month near PBH-1 as observed at the main spring pool weir and several nearby springs. The surface water elevation measuring locations are as follows:

- Saco River Monitoring Point (SRMP-1): surface water elevation is measured at the Route 113 bridge over the Saco River;
- Wards Pond Monitoring Point (WPMP-1): surface water elevation is measured at the Route 113 crossing over Wards Brook;
- Lovewell Pond Staff Gage (LPSG-1): surface water elevation is measured at the inlet from Wards Pond Brook; and,
- Wards Pond Staff Gage (WPSG-2A): surface water elevation is measured near the center of the watershed in a bog located to the south of Wards Pond.

Table 2 presents the surface water elevation data measured on November 18th, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
NOVEMBER 18th, 2015**

Surface Water Station	Old Reference Elevation (feet NAVD) ¹	New Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
LPSG-1	364.74	364.75	362.64
WPMP-1	401.27	401.22	397.30
SRMP-1	418.79	418.85	396.54
WPSG-2A	403.05	403.03	401.13

Notes: 1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of the staff gage for surface water stations) elevation in feet NAVD. New reference elevations were provided by Bliss Associates in November 2015.
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PRECIPITATION

Precipitation is recorded on-site adjacent to PBH-1 using an Onset Data Logging Rain Gauge (RG) as shown on Figure 1. The on-site rain gauge has a self-tipping bucket that is activated with every 0.01 inches of precipitation. The gauge is also wrapped with heat tape that melts snowfall and allows measurement of precipitation through the winter months.

Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for November, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
NOVEMBER, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	2.50
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	2.57

Notes: 1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.

WITHDRAWALS

In accordance with the contract with the Fryeburg Water Company, PBH-1 withdrawal totals are presented as total gallons recorded as offloaded at plant facilities. Spring water withdrawals from PBH-1 totaled 5,139,659 gallons for the month of November, 2015.

Based on the groundwater and surface water data collected in Fryeburg, Luetje Geological Services has not observed any adverse impact to waters of the State, water-related natural resources and existing uses as a result of the sale of water by the Fryeburg Water Company to Poland Spring.

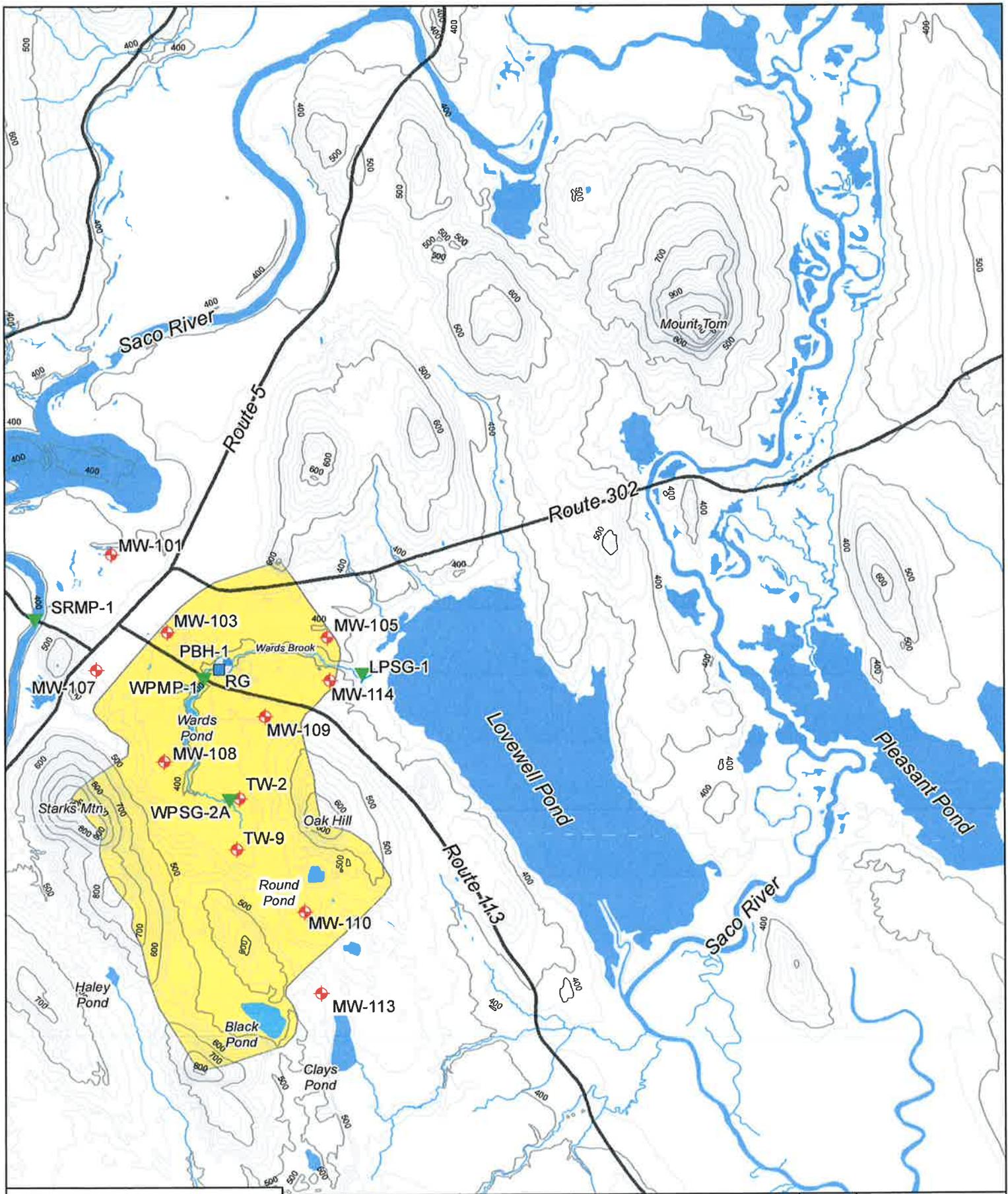
If you have any questions regarding the data included in this report, please do not hesitate to contact me at (207) 415-9898.

Sincerely,
Luetje Geological Services, LLC



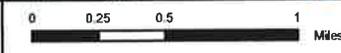
Ed Luetje C.G.

cc: Fryeburg Water Company (Mr. Hugh Hastings)
Emery & Garrett Groundwater, Inc. (Mr. Peter Garrett)
Poland Spring (Mr. Mark Dubois)



-  BOREHOLE
-  MONITORING WELL
-  RAIN GAUGE
-  SURFACE WATER STATION
-  CONTOUR LINES
-  WARDS BROOK WATERSHED (APPROXIMATE)

FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE



N
DATE:
1/3/2012

NOTES:
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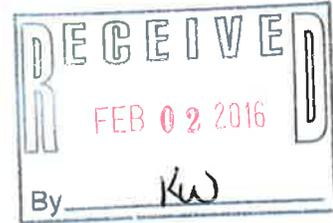

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Ed Luetje, CG
58 Fore Street
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January 28, 2016

Ms. Sharon Jackson
Town Manager
Town of Fryeburg
16 Lovewell Pond Road
Fryeburg, Maine 04037



RE: December 2015 Aquifer Monitoring Report

INTRODUCTION

Luetje Geological Services (LGS) of Portland, Maine, an independent hydrogeologic consulting firm, has been contracted by Nestle Waters North America Inc. (Poland Spring) to collect and compile hydraulic data from the Wards Brook Aquifer in Fryeburg, Maine. These data are collected as part of regular routine monitoring by Poland Spring and while the monitoring program is not part of a regulatory compliance program, the data are voluntarily provided to the Town of Fryeburg on a monthly basis. The data in the monthly reports, in turn, are used by Poland Spring to compile an annual report of the hydraulic data for the Wards Brook Aquifer.

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Groundwater levels are measured in eleven monitoring wells at locations shown in Figure 1. These wells provide groundwater level data across and adjacent to the Wards Brook watershed (Figure 1). Table 1 provides a summary of groundwater elevations at these locations as measured on December 22nd, 2016.

A site-wide re-survey of measuring point elevations (reference elevations) was conducted in November 2015 by Bliss Associates. Groundwater and surface water elevations presented in Tables 1 and 2 of this report reflect these new reference elevations.

**TABLE 1: GROUNDWATER ELEVATION DATA
DECEMBER 22nd, 2015**

Monitoring Well	Old Reference Elevation (feet NAVD) ¹	New Reference Elevation (feet NAVD) ¹	Groundwater Elevation (feet NAVD) ²
MW-101 ³	408.35	408.32	398.99
MW-103	421.58	421.42	410.45
MW-105	404.98	404.98	379.79
MW-107	431.95	432.05	423.63
MW-108	419.89	419.88	410.01
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MW-110	461.86	461.84	415.82
MW-113	441.13	441.11	420.05
MW-114	405.20	405.25	384.66
TW-2 ⁴	404.18	404.19	402.15
TW-9	409.24	409.17	408.52

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Table 2 presents the surface water elevation data measured on December 22nd, 2015.

**TABLE 2: SURFACE WATER ELEVATION DATA
DECEMBER 22nd, 2015**

Surface Water Station	Old Reference Elevation (feet NAVD) ¹	New Reference Elevation (feet NAVD) ¹	Surface Water Elevation (feet NAVD) ²
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WPMP-1	401.27	401.22	397.42
SRMP-1	418.79	418.85	396.84
WPSG-2A	403.05	403.03	401.31

Notes: 1. NAVD is the North American Vertical Datum (1988). The Reference Elevation is the measuring point (usually the top of the staff gage for surface water stations) elevation in feet NAVD. New reference elevations were provided by Bliss Associates in November 2015.
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PRECIPITATION

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Precipitation data are also recorded at the Fryeburg Eastern Slopes Airport (ICAO Station KIZG, Northeast Regional Climate Center). The Fryeburg Eastern Slopes Airport is approximately two miles to the south of the on-site rain gauge. Table 3 presents monthly precipitation data for December, 2015.

**TABLE 3: FRYEBURG AREA PRECIPITATION DATA
DECEMBER, 2015**

Station ID	Monthly Precipitation Total (Inches)
On-Site Rain Gauge (RG)	5.40
Fryeburg Eastern Slopes Airport (ICAO Station KIZG) ¹	5.41

Notes: 1. Data provided by ICAO Station KIZG is preliminary prior to compilation of the Annual Report.

WITHDRAWALS

In accordance with the contract with the Fryeburg Water Company, PBH-1 withdrawal totals are presented as total gallons recorded as offloaded at plant facilities. Spring water withdrawals from PBH-1 totaled 9,908,552 gallons for the month of December, 2015.

Based on the groundwater and surface water data collected in Fryeburg, Luetje Geological Services has not observed any adverse impact to waters of the State, water-related natural resources and existing uses as a result of the sale of water by the Fryeburg Water Company to Poland Spring.

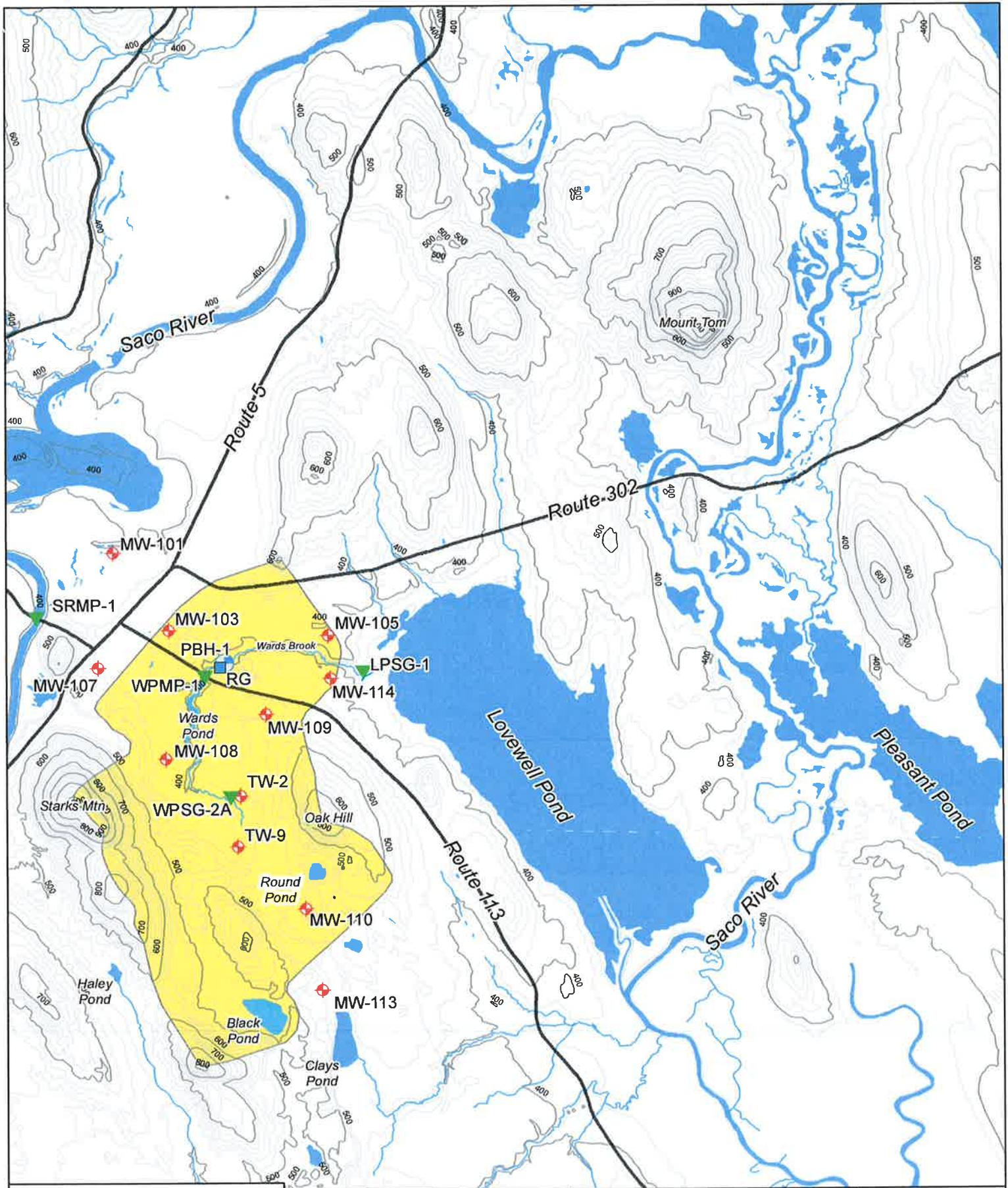
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Sincerely,
Luetje Geological Services, LLC



Ed Luetje C.G.

cc: Fryeburg Water Company (Mr. Hugh Hastings)
Emery & Garrett Groundwater, Inc. (Mr. Peter Garrett)
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-  BOREHOLE
-  MONITORING WELL
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FIGURE 1
VOLUNTARY AQUIFER MONITORING REPORT
FRYEBURG, MAINE

0 0.25 0.5 1 Miles

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N

 DATE:
 1/3/2012


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