

Office of

AUBURN WATER DISTRICT

Office Telephone # 784-6469

The regular monthly meeting of the Trustees of the Auburn Water District will be held at the office of the Auburn Water District, 268 Court Street, on Wednesday, February 20, 2013 at 4:00 P.M.

AGENDA

1. Approve Minutes of Regular Meeting of January 16, 2013.
2. Monthly Financial Report Update - *Greg Leighton*
3. Ratify Payment of Bills
4. Open session
5. Activity Report - *Sid Hazelton*
6. New Business
 - ◆ Update on UV Plant
 - ◆ 2012 USDA Gull Management Report
 - ◆ Littlefield Bridge - MDOT costs
 - ◆ Update on Lake Auburn Diagnostic Study
 - Potential Budget Impacts
 - Staffing Impacts
 - ◆ Award of Dump Truck (*shared with Sewer*)
 - ◆ Upcoming Budget Items
 - Add crew member March/April
 - Mini-Loader
 - Equipment Trailer
 - ◆ City Comp Plan Implementation - FYI only.
 - ◆ Draft 2013 Construction Schedule.
7. Old Business
 - ◆ Discuss future workshop dates/topics.
8. Adjourn Regular Meeting

January 16, 2013

The regular monthly meeting of the Trustees of the Auburn Water District was held on Wednesday, January 16, 2013 at the office of the Auburn Water District, 268 Court Street at 4:00PM.

Members present: President, Bruce Rioux and Treasurer, K.C. Geiger. Trustees: Preston Chapman, Lee Upton and Robert Cavanagh. Also present: Tizz Crowley, Mayor's Representative, John Storer, Superintendent and Sid Hazelton, District Engineer.

On motion of Preston Chapman, seconded by Robert Cavanagh, it was unanimously voted: **To approve the minutes of the Regular Meeting of December 12, 2012 as amended.**

On motion of Preston Chapman, seconded by Robert Cavanagh, it was unanimously voted: **To approve the minutes of the Joint Budget/Public Hearing of December 19, 2012.**

FINANCIAL REPORT UPDATE – The District had a good year ending with a surplus of \$238,192. and cash on hand of \$903,000.

RATIFY PAYMENT OF BILLS

On motion of K.C. Geiger, seconded by Preston Chapman, it was unanimously voted: **To ratify the payment of bills in the amount of \$ 336,557.27 as shown on the printout dated December 8, 2012 – January 11, 2013.**

OPEN SESSION : Representatives from the City of Auburn were in attendance to discuss Hotel Rd. It was agreed by all that there is a need to improve on project coordination. The City is unable to reclaim streets after Thanksgiving. A request was made to amend some of the wording in the minutes of the December meeting. Timing and scheduling issues were to blame and there was no need to point fingers.

On motion of Tizz Crowley, seconded by Robert Cavanagh, it was unanimously voted: **To delete “the City did not do their part” and replace with “the City of Auburn and the Auburn Water District did not do as good a job as they could have in coordinating the project”.**

It was suggested that traffic issues and street closures be posted on the City website.

Trustee Robert Cavanagh asked about the flagging of hydrants and why they are not all flagged. He was told that the hydrants are flagged at the crew's discretion. If plow drivers have concerns about certain hydrants, they can call the District and they will be flagged.

ACTIVITY REPORT : The December Activity Report was presented by Sid Hazelton.

NEW BUSINESS

NEW WATERSHED EDUCATION & OUTREACH MANAGER - Lynne Richard has been hired as the Watershed Education and Outreach Manager, her salary and expenses to be paid entirely by the Watershed Commission.

January 16, 2013

Page 2

LAKE AUBURN STUDY- The Presentation of the Study is scheduled for February 13 at 5:00PM at the Lewiston Council Chambers. Recommendations on how to address the problems will be discussed. The Trustees were invited to attend.

FUTURE WORKSHOPS DATES - Don Tyler's Report on the Salary and Job Description Review will be available for the February meeting. Other topics for workshop discussion are the 5-Year Capital Plan, bonding vs spending cash on future projects, health care options for the 2014 budget. If there are to be any changes in employee benefits, the employees should be notified no later than June 30th.

CITY COORDINATION ON ROAD PROJECTS - The Auburn Water and Sewer Districts are a major part of the Comprehensive Plan. It was recommended that the Trustees be given a link to the Comp Plan goals.

OLD BUSINESS

On motion of Preston Chapman, seconded by Tizz Crowley, it was unanimously voted: **To move into Executive Session in accordance to 1 M.R.S.A. § 405 (6) (C) to discuss a possible land issue.**

The meeting came out of Executive Session.

The meeting was adjourned.

**AUBURN WATER DISTRICT
OPERATING STATEMENT -TRUSTEES' REPORT
ONE MONTH ENDED JANUARY 31, 2013**

	January	2013	Y-T-D JANUARY 2013		
	YTD - 2012	BUDGET	ACTUAL	BUDGET	VARIANCE
<u>REVENUES:</u>					
Water Sales	\$174,744	\$2,151,969	\$179,640	\$179,331	\$309
Rent income	4,499	54,165	4,527	4,514	13
Interest Income	1,930	17,000	1,125	1,417	(291)
Mdse. & Jobbing	8,747	30,000	2,599	2,500	99
Hydrant Rental	45,077	556,918	45,077	46,410	(1,333)
Private Fire Prot.	21,119	273,845	22,276	22,820	(545)
Misc. Op. Revenue	0	51,000	0	4,250	(4,250)
TOTAL REVENUES	256,116	3,134,897	255,244	261,241	(5,997)
			8.14%	8.33%	< Standard
<u>EXPENSES:</u>					
Payroll	66,296	661,872	68,508	55,156	13,352
Pump Stations:					
Chemicals	892	94,815	1,290	7,901	(6,612)
Power	18,327	130,414	14,423	10,868	3,556
Other	1,555	6,371	12,870	531	12,339
Trans & Dist Maint:					
Maint of Mains	2,755	67,519	3,865	5,627	(1,761)
Dist System	6,223	73,449	5,997	6,121	(124)
Outside Lab	472	22,085	614	1,840	(1,226)
Other	7,019	54,762	5,552	4,564	989
Administration	48,357	506,735	44,651	42,228	2,423
Vehicles	15,248	69,829	5,394	5,819	(425)
Gull Management	(6,187)	87,599	7,700	7,300	400
Lake Auburn Watershed	13,687	187,558	18,761	15,630	3,131
SUB-TOTAL	174,644	1,963,008	189,627	163,584	26,043
			9.66%	8.33%	< Standard
Interest	16,715	186,810	15,066	15,568	(502)
TOTAL EXPENSES	191,359	2,149,818	204,693	179,152	25,541
Bonds - Principal Payments	0	815,203	0	67,934	(67,934)
SURPLUS FROM OPERATIONS	64,757	169,876	50,551	14,156	36,395

**AUBURN WATER DISTRICT
BALANCE SHEET
PERIOD ENDING - JANUARY 31, 2013**

	<u>1/31/2013</u>	<u>12/31/2012</u>	<u>1/31/2013</u>	<u>12/31/2012</u>
Property, Plant and Equipment:				
Plant in Service	32,832,761.47	32,832,761.47	133,191.15	133,191.15
Less: Accumulated Depreciation	<u>(7,743,620.96)</u>	<u>(7,696,967.96)</u>	8,974,251.94	8,974,251.94
Construction Work in Progress	<u>25,089,140.51</u>	<u>25,135,793.51</u>	594,368.07	80,112.04
	107,819.70	97,885.79	90,176.65	514,256.03
Net Utility Plant	25,196,960.21	25,233,679.30	<u>9,791,987.81</u>	<u>9,701,811.16</u>
			10,312,763.24	10,312,763.24
			<u>20,104,751.05</u>	<u>20,014,574.40</u>
Current Assets:				
Cash & Working Funds	369,533.34	201,954.42		
Temporary Cash Investments	701,311.06	701,020.41	119,719.64	148,547.28
Accounts Receivable - Net	423,888.75	444,412.21	8,510.00	8,555.00
Prepayments	20,935.85	25,124.85	47,599.90	32,534.28
Other Current Assets	0.00	24,376.43	63,118.64	61,302.84
Total Current Assets	<u>1,515,669.00</u>	<u>1,396,888.32</u>	<u>238,948.18</u>	<u>250,939.40</u>
Deferred Debits:				
Unamortized Debt Issuance	95,294.81	96,167.20		
Other Deferred Debits	102,712.08	105,715.85	85,900.56	85,900.56
Total Deferred Debits	<u>198,006.89</u>	<u>201,883.05</u>	6,481,036.31	6,481,036.31
Total Assets	<u>26,910,636.10</u>	<u>26,832,450.67</u>	<u>26,910,636.10</u>	<u>26,832,450.67</u>
Capitalization:				
Other Paid In Capital			133,191.15	133,191.15
Appropriated Retained Earnings			8,974,251.94	8,974,251.94
Unappropriated Retained Earnings			594,368.07	80,112.04
Current Year Earnings			90,176.65	514,256.03
			<u>9,791,987.81</u>	<u>9,701,811.16</u>
Bonds			10,312,763.24	10,312,763.24
Total Capitalization			<u>20,104,751.05</u>	<u>20,014,574.40</u>
Current Liabilities:				
Accounts Payable			119,719.64	148,547.28
Customer Deposits			8,510.00	8,555.00
Accrued Interest			47,599.90	32,534.28
Miscellaneous Liabilities			63,118.64	61,302.84
Total Current Liabilities			<u>238,948.18</u>	<u>250,939.40</u>
Operating Reserves			85,900.56	85,900.56
Contributions in Aid			6,481,036.31	6,481,036.31
Total Equity Capital and Liabilities			<u>26,910,636.10</u>	<u>26,832,450.67</u>

**Auburn Water District
Accounts Payable Numeric Check Register
January 12, 2013 thru February 14, 2013**

<u>Check #</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Inv #</u>	<u>Description</u>	<u>Amount</u>
5106	1/14/2013	1	St. Mary's Health System	1/2/2013	154650	void ck#5106	-996.13
							-996.13
5107	1/18/2013	1	Daniel Cunliffe	1/14/2013	2971	customer refund	45.00
							45.00
5108	1/18/2013	1	Denis-Pamela St Laurent	1/14/2013	2972	customer refund	10.00
							10.00
5109	1/18/2013	1	Bel-Tone Answering Ser	1/9/2013	1607B5	Jan	37.75
5109	1/18/2013	1	Bel-Tone Answering Ser	1/9/2013	1607B5	Jan	37.75
							75.50
5110	1/18/2013	12	Constellation NewEnergy	12/28/2012	845588	UV facility	13,517.11
							13,517.11
5111	1/18/2013	1	Dead River Company	1/10/2013	41466	propane-UV ops	811.23
							811.23
5112	1/18/2013	1	DirigoNet	1/16/2013	1336	Watersjhed-Lynn	212.50
							212.50
5113	1/18/2013	1	FedEx	1/7/2013	135-31	Dec	25.39
5113	1/18/2013	1	FedEx	1/7/2013	135-31	Dec	25.39
							50.78
5114	1/18/2013	1	Steel Service Center, Inc.	1/10/2013	1010012	ASTM	343.27
							343.27
5115	1/18/2013	1	Fortier's Security Center	1/10/2013	191682#5 & #7	padlock sets	144.24
5115	1/18/2013	1	Fortier's Security Center	1/10/2013	191682#5 & #7	padlock sets	144.24
							288.48
5116	1/18/2013	1	Gilman Electrical Dist.	1/11/2013	757526	Watershed	35.70
							35.70
5117	1/18/2013	12	Harcros Chemicals, Inc.	12/26/2012	300113	hypo	2,587.92
							2,587.92
5118	1/18/2013	1	Rod Hill	1/11/2013	2973	reimburse-backhoe radio	78.73
							78.73
5119	1/18/2013	12	Bisson Enterprises, Inc. I	12/31/2012	12212	UV ops - Dec	206.00
5119	1/18/2013	12	Bisson Enterprises, Inc. I	12/31/2012	12212	UV ops	206.00
5119	1/18/2013	12	Bisson Enterprises, Inc. I	12/31/2012	12211	Dec	282.50
5119	1/18/2013	12	Bisson Enterprises, Inc. I	12/31/2012	12211	Dec	282.50
							977.00
5120	1/18/2013	1	Maine Central RR, Treas	1/1/2013	413018	Little Andy cross agreement	1,030.43
							1,030.43
5121	1/18/2013	1	Idexx Distribution, Inc.	9/27/2012	265257	PT samples	318.65
5121	1/18/2013	1	Idexx Distribution, Inc.	9/27/2012	265257	PT samples	318.65
							637.30
5122	1/18/2013	12	Maine Municipal Associa	1/1/2013	14643	2nd payment	16,560.50
							16,560.50
5123	1/18/2013	1	W. B. Mason Co., Inc.	1/3/2013	I091164	laminator cartridge	38.65
5123	1/18/2013	1	W. B. Mason Co., Inc.	1/3/2013	I091164	laminator cartridge	38.64
5123	1/18/2013	1	W. B. Mason Co., Inc.	12/26/2012	I09021	wrong laminator cartridge	72.49

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5123	1/18/2013	1	W. B. Mason Co., Inc.	1/8/2013	CR070(credit#09021905		-72.49
							77.29
5124	1/18/2013	1	McMaster-Carr Supply C	1/7/2013	435565	tool pouch	38.08
							38.08
5125	1/18/2013	1	N.E. Water Works Assoc	11/15/2012	18932	Jalbert dues	100.00
							100.00
5126	1/18/2013	12	Northern Data Systems, I	12/26/2012	1426	Dec	746.79
5126	1/18/2013	12	Northern Data Systems, I	12/26/2012	1426	Dec	746.79
							1,493.58
5127	1/18/2013	1	Pine Tree Waste	1/1/2013	116959	Jan	54.55
5127	1/18/2013	1	Pine Tree Waste	1/1/2013	116959	Jan	54.55
							109.10
5128	1/18/2013	1	Pitney Bowes, Inc.	1/3/2013	3684492/1	to 4/30/13 rental	52.50
5128	1/18/2013	1	Pitney Bowes, Inc.	1/3/2013	3684492/1	to 4/30/13 rental	52.50
							105.00
5129	1/18/2013	12	E.J. Prescott, Inc.	12/27/2012	462835	cycle count variance	702.65
							702.65
5130	1/18/2013	1	EIC., Inc. (prompto)	1/10/2013	602893	tk#33 oil change, wiper blades	51.75
							51.75
5131	1/18/2013	1	T Buck Construction, Inc	11/27/2012	6691	UV Phase 2	12,499.95
5131	1/18/2013	1	T Buck Construction, Inc	8/30/2012	6604	UV Phase 2	31,500.00
							43,999.95
5132	1/18/2013	12	UNITIL ME	1/3/2013	2967	268 Court-Dec	1,196.47
5132	1/18/2013	12	UNITIL ME	1/3/2013	2967	268 Court-Dec	1,196.46
							2,392.93
5133	1/18/2013	2	Wells Fargo Financial Le	1/5/2013	675563	Feb	107.10
5133	1/18/2013	2	Wells Fargo Financial Le	1/5/2013	675563	Feb	107.10
							214.20
5134	1/18/2013	1	St. Mary's Health System	1/14/2013	015465	Fod-Hazmat	516.63
							516.63
5135	1/18/2013	12	Wright-Pierce	1/8/2013	86931	Chloramines	31.38
							31.38
5136	1/25/2013	1	John Hulburd	1/22/2013	2976	customer refund	34.24
							34.24
5137	1/25/2013	1	Christian Mendes	1/23/2013	2977	customer refund	24.66
							24.66
5138	1/25/2013	1	Androscoggin Registry O	1/24/2013	2978	release lien	16.00
							16.00
5139	1/25/2013	1	Analytical Services, Inc.	1/8/2013	20454	water testing	292.00
5139	1/25/2013	1	Analytical Services, Inc.	1/8/2013	20454	water testing	292.00
							584.00
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	86.68
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	47.98
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	151.29

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5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	367.80
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	62.69
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	287.90
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	23.67
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	443.84
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	262.38
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	145.85
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	346.07
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	107.13
5140	1/25/2013	12	City of Auburn	12/31/2012	2964	Dec gas	210.57
							2,543.85
5142	1/25/2013	1	Constellation NewEnergy	1/8/2013	857456268	Court St	636.33
							636.33
5143	1/25/2013	1	Curry Printing #4317	1/9/2013	60751	Watershed-Lynn cards	72.54
							72.54
5144	1/25/2013	1	Dead River Company	1/17/2013	71434	propane -UV ops	410.11
5144	1/25/2013	1	Dead River Company	1/17/2013	71434	propane -UV ops	410.11
							820.22
5145	1/25/2013	1	Eastern Fire Services, Inc	12/31/2012	723043	Goff Hill reservoir	157.75
							157.75
5146	1/25/2013	1	Lowe's Business Account	1/17/2013	2975	Jan statement	102.82
5146	1/25/2013	1	Lowe's Business Account	1/17/2013	2975	Jan statement	37.96
5146	1/25/2013	1	Lowe's Business Account	1/17/2013	2975	Jan statement	66.29
							207.07
5147	1/25/2013	1	Maine Municipal Assoc.	1/1/2013	67413	W/comp audit	3,416.00
							3,416.00
5148	1/25/2013	12	Maine Water Company	12/31/2012	16286	G Leighton-Dec	1,765.50
5148	1/25/2013	12	Maine Water Company	12/31/2012	16286	G Leighton-Dec	1,765.50
							3,531.00
5149	1/25/2013	1	Oxford Networks	1/7/2013	2970	Dec	129.62
5149	1/25/2013	1	Oxford Networks	1/7/2013	2970	Dec	62.50
5149	1/25/2013	1	Oxford Networks	1/7/2013	2970	Dec	62.50
5149	1/25/2013	1	Oxford Networks	1/7/2013	2970	Dec	137.51
5149	1/25/2013	1	Oxford Networks	1/7/2013	2970	Dec	12.52
5149	1/25/2013	1	Oxford Networks	1/7/2013	2970	Dec	129.61
							534.26
5150	1/25/2013	1	Paul's Clothing & Shoe	1/16/2013	11613	Bates	508.91
							508.91
5151	1/25/2013	12	E.J. Prescott, Inc.	12/28/2012	461860	meter shop	167.42
							167.42
5152	1/25/2013	1	Redlon & Johnson	1/15/2013	39443	pressure gauge	11.85
5152	1/25/2013	1	Redlon & Johnson	1/15/2013	39443	pressure gauge	11.84
							23.69
5153	1/25/2013	1	Rent-It Of Maine, Inc.	1/2/2013	33441	skid steer	25.50
5153	1/25/2013	1	Rent-It Of Maine, Inc.	12/4/2012	32288	Hotel Rd	12,422.00

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							12,447.50
5154	1/25/2013	1	Unifirst Corp	1/18/2013	199056	UV ops	87.16
5154	1/25/2013	1	Unifirst Corp	1/18/2013	199056	UV ops	87.15
							174.31
5155	1/25/2013	1	THG Corporation	1/15/2013	D58787	backhoe-tube ends	25.65
5155	1/25/2013	1	THG Corporation	1/15/2012	D58787	backhoe- hose	12.62
							38.27
5156	2/1/2013	1	Androscoggin Registry C	1/30/2013	2980	place liens	32.00
							32.00
5157	2/1/2013	1	Analytical Services, Inc.	1/25/2013	20533	Jan-water testing	197.00
5157	2/1/2013	1	Analytical Services, Inc.	1/25/2013	20533	Jan-water testing	197.00
							394.00
5158	2/1/2013	1	Auburn Sewerage Dist.	1/25/2013	Bk12PI	Hotel Rd	28.39
							28.39
5159	2/1/2013	1	Marc A. Bouyea	1/28/2013	2981	UV ins	101.81
							101.81
5160	2/1/2013	1	Dead River Company	1/23/2013	6702	propane-UV ops	446.06
5160	2/1/2013	1	Dead River Company	1/23/2013	6702	propane-UV ops	446.06
							892.12
5161	2/1/2013	1	Easy Rent-All Corp.	1/29/2013	178644	UV ins	432.66
							432.66
5162	2/1/2013	1	DirigoNet	1/29/2013	1346	UV ins	627.57
							627.57
5163	2/1/2013	1	Gilman Electrical Dist.	1/25/2013	758730	wire-shop	97.00
5163	2/1/2013	1	Gilman Electrical Dist.	1/25/2013	758730	wire-shop	97.00
5163	2/1/2013	1	Gilman Electrical Dist.	1/23/2013	758483	ext cords, redline	51.37
5163	2/1/2013	1	Gilman Electrical Dist.	1/23/2013	758483	ext cords, redline	51.36
							296.73
5164	2/1/2013	1	Harcros Chemicals, Inc.	1/14/2013	300113	hypo	2,617.96
5164	2/1/2013	1	Harcros Chemicals, Inc.	1/15/2013	300113	hypo-Court St	259.60
							2,877.56
5165	2/1/2013	1	K & K Excavation, Inc.	1/11/2013	12106	crushed stone-stock	101.92
							101.92
5166	2/1/2013	12	City of Lewiston	1/8/2013	600-40	Dec - USDA	7,482.65
5166	2/1/2013	12	City of Lewiston	1/8/2013	600-40	Flouride- Dec	730.22
5166	2/1/2013	12	City of Lewiston	1/8/2013	600-40	Rodrigue-UV ops	154.15
5166	2/1/2013	12	City of Lewiston	1/8/2013	600-40	Dec-Rodrigue	1,376.74
5166	2/1/2013	12	City of Lewiston	1/8/2013	600-40	Dec-Rodrigue	507.20
5166	2/1/2013	12	City of Lewiston	1/8/2013	600-40	Dec-Rodrigue	43.78
5166	2/1/2013	12	City of Lewiston	1/8/2013	600-40	Dec-Rodrigue	1,927.71
							12,222.45
5167	2/1/2013	2	Maine Municipal Emp.HI	1/14/2013	2979	Feb	15,041.52
5167	2/1/2013	2	Maine Municipal Emp.HI	1/14/2013	2979	Feb	16.40
5167	2/1/2013	2	Maine Municipal Emp.HI	1/14/2013	2979	Feb	609.59
5167	2/1/2013	2	Maine Municipal Emp.HI	1/14/2013	2979	Feb	568.41

**Auburn Water District
Accounts Payable Numeric Check Register
January 12, 2013 thru February 14, 2013**

<u>Check #</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Inv #</u>	<u>Description</u>	<u>Amount</u>
5167	2/1/2013	2	Maine Municipal Emp.Hl	1/14/2013	2979 Feb		3,293.83
							19,529.75
5168	2/1/2013	1	Maine Oxy-Acetylene Cc	1/8/2013	308064ammonia		676.30
5168	2/1/2013	1	Maine Oxy-Acetylene Cc	1/14/2013	308082torches-shop		15.33
5168	2/1/2013	1	Maine Oxy-Acetylene Cc	1/14/2013	308082torches-shop		15.32
							706.95
5169	2/1/2013	1	W. B. Mason Co., Inc.	1/11/2013	I09300ID Tribou purchase		2.49
5169	2/1/2013	1	W. B. Mason Co., Inc.	1/15/2013	I09380ink, binder index, trash bags		19.16
5169	2/1/2013	1	W. B. Mason Co., Inc.	1/15/2013	I09380ink, binder index, trash bags		74.04
5169	2/1/2013	1	W. B. Mason Co., Inc.	1/15/2013	I09380ink, binder index, trash bags		93.18
							188.87
5170	2/1/2013	1	Mid Maine Waste	1/28/2013	761525UV ins		24.50
5170	2/1/2013	1	Mid Maine Waste	1/29/2013	761621UV ins		9.16
5170	2/1/2013	1	Mid Maine Waste	1/29/2013	761645office-papers		4.35
5170	2/1/2013	1	Mid Maine Waste	1/29/2013	761645office-papers		4.34
							42.35
5171	2/1/2013	1	E.J. Prescott, Inc.	1/4/2013	462931Cascades Loop		3,920.51
5171	2/1/2013	1	E.J. Prescott, Inc.	1/4/2013	462899Cascades Loop		637.72
5171	2/1/2013	1	E.J. Prescott, Inc.	1/10/2013	463042vas usage		3,144.74
5171	2/1/2013	1	E.J. Prescott, Inc.	1/10/2013	463042vas usage		198.95
5171	2/1/2013	1	E.J. Prescott, Inc.	1/10/2013	463042vas usage		123.24
5171	2/1/2013	1	E.J. Prescott, Inc.	1/10/2013	463042vas usage		25.82
5171	2/1/2013	1	E.J. Prescott, Inc.	1/10/2013	463073credit Walton School		-1,615.92
5171	2/1/2013	1	E.J. Prescott, Inc.	1/10/2013	463043vas usage		1,065.69
5171	2/1/2013	1	E.J. Prescott, Inc.	1/10/2013	463043vas usage		188.99
5171	2/1/2013	1	E.J. Prescott, Inc.	1/10/2013	463043vas usage		61.62
							7,751.36
5172	2/1/2013	1	Rent-It Of Maine, Inc.	1/18/2013	74495 van rental		50.00
							50.00
5173	2/1/2013	1	C.H. Stevenson, Inc.	1/21/2013	60396 cold patch-stock		2,166.60
							2,166.60
5174	2/1/2013	1	Stratham Tire Inc.	1/21/2013	604230#16		14.50
5174	2/1/2013	1	Stratham Tire Inc.	1/24/2013	604241#22		37.95
							52.45
5175	2/1/2013	1	U.S. Cellular	1/16/2013	2983 January		30.00
5175	2/1/2013	1	U.S. Cellular	1/16/2013	2983 January		246.85
5175	2/1/2013	1	U.S. Cellular	1/16/2013	2983 January		246.84
5175	2/1/2013	1	U.S. Cellular	1/16/2013	2983 January		30.00
							553.69
5176	2/1/2013	1	United Way Of Andr.Cov	1/30/2013	2982 January		240.00
5176	2/1/2013	1	United Way Of Andr.Cov	1/30/2013	2982 January		30.00
							270.00
5177	2/1/2013	1	Wallingford Equipment C	12/31/2012	PS7228skid steer		41.12
							41.12
5178	2/1/2013	1	Auburn Water District	2/1/2013	2984 petty cash-Jan		30.37

**Auburn Water District
Accounts Payable Numeric Check Register
January 12, 2013 thru February 14, 2013**

<u>Check #</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Inv #</u>	<u>Description</u>	<u>Amount</u>
5178	2/1/2013	1	Auburn Water District	2/1/2013	2984	petty cash-Jan	9.02
5178	2/1/2013	1	Auburn Water District	2/1/2013	2984	petty cash-Jan	17.80
5178	2/1/2013	1	Auburn Water District	2/1/2013	2984	petty cash-Jan	14.40
5178	2/1/2013	1	Auburn Water District	2/1/2013	2984	petty cash-Jan	72.49
5178	2/1/2013	1	Auburn Water District	2/1/2013	2984	petty cash-Jan	137.77
5178	2/1/2013	1	Auburn Water District	2/1/2013	2985	wrong amt listed on inv#2984	-4.95
							276.90
<u>Grand Total</u>							161,673.13

Net pay roll + taxes

\$ 76,294.07

 \$ 237,967.20

AUBURN WATER DISTRICT

MONTHLY ACTIVITY REPORT

January 2013

MAINS

Location	Ck'd	Comments	Leak Check				Misc.	New
			PT/Cl ₂	Leak	On Owner	OK		
38 Terrace Rd	1	Repair main break		1				
Monthly Totals	1		0	1	0	0	0	0
2012 Monthly Totals	1		0	1	0	0	0	0
YTD Totals	1		0	1	0	0	0	0

GATES

Location	Ck'd	Comments	Adjust	Leak	New	Misc.
No Activity						
Monthly Totals	0		0	0	0	0
2012 Monthly Totals	0		0	0	0	0
YTD Totals	0		0	0	0	0

HYDRANTS

Location	CK'd	Comments	Broken	Cap	Misc.	New	Frozen
1122 Center St	1	Morin Auto Center - repair hydrant	1				
Poland Reservoir	1	Frozen hydrant					1
East Bates St	1	Pump Hydrant			1		
Paul St @ Jordan St	1	Repair leaking hydrant	1				
670 Washington St	1	Accident - change out hydrant			1		
Monthly Totals	5		2	0	2	0	1
2012 Monthly Totals	2		1	0	1	0	0
YTD Totals	5		2	0	2	0	1

NEW SERVICES

Location	No.	Comments	No Meter	Meter	Meter Size
CEI Housing Inc	1	11 Academy St Unit #1		1	5/8
CEI Housing Inc	1	9 Academy St Unit #2		1	5/8
CEI Housing Inc	1	7 Academy St Unit #3		1	5/8
CEI Housing Inc	1	5 Academy St Unit #4		1	5/8
CEI Housing Inc	1	3 Academy St Unit #5		1	5/8
Community Health Center	1	364 Maine St - Poland		1	5/8
Monthly Totals	6		0	6	
2012 Monthly Totals	0		0	0	
YTD Totals	6		0	6	

SERVICES

Location	No.	Comments	Leak Check					
			OK	Leak	On Owner	Frozen	Box	Misc.
25 Fourth St	1	Leak in cellar on owner			1			
539 Poland Rd	1	Leak on owner			1			
31 Sandy Beach Rd	1	Repair service box					1	
171 South Main St	1	Repair service box					1	
Hillcrest @ Highland	1	Leak on owner			1			
539 Poland Rd	1	Repair service box					1	
44 Sixth St	1	Leak in cellar - AFD turned off			1			
44 Sixth St	1	Repair service box					1	
200 Davis Av	1	Repair service box					1	
3 Field Av	1	Repair service box					1	
21 Silva St	1	Service leak on owner			1			
389 Poland Rd	1	Check for leak - ground water	1					
Monthly Totals	12		1	0	5	0	6	0
2012 Monthly Totals	4		0	0	0	0	2	2
YTD Totals	12		1	0	5	0	6	0

METERS

Activity	Comments	Test/Repair	Changed	Misc.	Read Hours	Special Reads	Delinquent	
							Notify	Turn off
Test meters	5/8"							
Test meters	3/4"							
Test meters	1"							
Test meters	1 1/2"							
Test meters	2"							
Repair T.T.R.'s.								
Meters In/out	5							
Dead			0					
Frozen			0					
Terminate Service			21					
Activate Service			11					
Summer In			0					
Winter Out			0					
Temporary Meter				0				
Turn off & on for repairs				4				
Reading Meters					30.5			
Final Reads	Ownership Transfer					14		
Recheck Readings	High or low reading.					2		
Red Tags	Notify for non-payment.						96	
Turn off for non-payment								3
Monthly Totals		0	32	4	30.5	16	96	3
2012 Monthly Totals		0	17	0	33	9	0	1
YTD Totals		0	32	4	30.5	16	96	3

LABORATORY

Month	Dist. Sys. Tests	Temp (°C)		Avg. NaOH gal/MG	Avg. Cl mg/l	Avg. FI mg/l	Avg. Turb. (ntu)	SWTR Tests
		Air	Water					
January	44	-4.0	2.3	1.13	2.66	0.90	0.72	31
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
YTD Avg				1.13	2.66	0.90	0.72	
2012 Avg				2.42	2.71	0.78	0.92	
YTD Totals	44							31

LAKE AUBURN

Month	No. Patrols	Withdrawals *			Elevations **					
		AWD	LWD	Total	1st	High	Yr.	Low	Yr.	2012
January	daily	2.59	4.15	6.74	260.08	261.4	1974	257.20	2002	261.81
February										
March										
April										
May										
June										
July										
August										
September										
October										
November										
December										
Avg. Daily	daily	2.59	4.15	6.74						
YTD Totals	0	2.59	4.15	6.74						

* Average Daily Withdrawals MGD ** Elevation Above Sea Level

WEATHER*

Month	Precipitation					Temperature			
	Snowfall (in.)	Total (in)	Heating Degree Days	Normal Precip	Days of precip.	Max. (°F)	Min. (°F)	Avg. (°F)	Dep. from Norm
January	4.2	1.31	1360	3.26	9	55	-4	21	1.5
February									
March									
April									
May									
June									
July									
August									
September									
October									
November									
December									
YTD Totals	4.20	1.31							

* From www.wunderground.com

DIG SAFE

Month	Total	Contractors	MDOT	AHD	School Dept.	Lewiston Water	Fairpoint	AWD	CMP	ASD	GAS	MTA
January	45	19	2	6	0	2	1	6	9	0	0	0
February												
March												
April												
May												
June												
July												
August												
September												
October												
November												
December												
YTD Totals	45	19	2	6	0	2	1	6	9	0	0	0
2012 Totals	34	19	0	3	0	0	1	6	4	0	1	0

DUTY FOREMAN CALLS

(Overtime)

Districts	Total	High/Low Pressure	Water Quality	Alarms	Sewer Service	Leak	Misc.	Locates	Hydrants	Meter	Fire Calls
Sewerage District	4			0	4	0	0	0	0	0	0
Water District	11	2	0	2		4	3	0	0	0	0
Monthly Totals	15	2	0	2	4	4	3		0	0	0
2012 Monthly Totals	21	1	2	0	1	9	0	5	1	2	0
YTD Totals	15	2	0	2	4	4	3	0	0	0	0

OTHER ACTIVITIES

1. Shovel and check hydrants
2. Check Private hydrants - maintenance contracts
3. Turn off bleeders - Washington, Hotel, Cherry Vale, Fletcher, Oak Hill, N River, Broad, Jordan, Paul
4. Confined Space training and Bloodborn Pathogens
5. Maintenance - East Auburn Dam
6. HAZMAT traing, Safety training, and Hearing tests
7. UV plant flooding - cut trees for culvert

Gull Management on Lake Auburn, Maine



Annual Report 2012

Prepared by:

**United States Department of Agriculture
Animal and Plant Health Inspection Service
Wildlife Services**

Prepared for:

**Auburn Water District &
Lewiston Water Division**

INTRODUCTION

This document serves as an annual report to the Lewiston Water Division (LWD) and Auburn Water District (AWD) for management activities conducted by the U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Wildlife Services (WS) on Lake Auburn for 2012.

Lake Auburn provides drinking water to approximately 45,000 residents in the cities of Auburn and Lewiston, Maine. Due to the high water quality level of Lake Auburn, less treatment is required than most water sources. Lake Auburn is one of fewer than 60 surface water supplies in the United States that are unfiltered. Due to the level of water quality and an ongoing watershed protection program, the Auburn Water District (AWD), and the Lewiston Water Division (LWD) have been granted a waiver from the federal filtration requirement of the Surface Water Treatment Rule. The U.S. Environmental Protection Agency (EPA) and the Maine Drinking Water Program (MDWP) set and enforce standards for water quality governing Lake Auburn. By EPA standards, no more than 10% of daily water samples taken from Lake Auburn can exceed 20 fecal colonies per 100 milliliters in a six month running average. If the number of fecal colonies exceeds EPA standards, the filtration waiver may be revoked. WS was contacted after an increase in bacteria levels in Lake Auburn was linked to the presence of large flocks of gulls on Lake Auburn in 2004. Since gull management began in the fall of 2005, WS management presence has resulted in lower bacteria levels that have remained compliant with EPA standards, allowing AWD and LWD to retain their filtration waiver.

METHODS

An integrated gull damage management approach was initiated by Wildlife Services on Lake Auburn in November, 2005. Management actions involve lethal and nonlethal techniques and this strategy was effective in reducing use of the lake by gulls. Timing of management varied each year depending on ice presence on Lake Auburn (Table 1). Yearlong management (ice out through ice in) began in 2007 after a wildlife biologist and technician were assigned full-time to the project starting in 2006.

Table 1. Yearly Gull Management Schedule

WS Management Schedule 2005-2012		
Year	Starting Date	Ending Date
2012	March 23	January 3, 2013
2011	April 25	January 13, 2012
2010	March 22	January 3, 2011
2009	April 14	December 26
2008	April 24	December 29
2007	April 23	December 19
2006	June 8	January 17, 2007
2005	November 21	December 13

While on the boat, employees wore Coast Guard approved personal flotation devices at all times. During fall and winter, full body survival suits were worn. WS employees received firearm, pyrotechnic, and boating safety training as required in WS Directives 2.615 and 2.625.

Non-lethal Techniques

Non-lethal methods are a critical component of an integrated wildlife damage management program. Harassment techniques included a motorboat utilizing a 90 horsepower motor, which was driven at varying speeds toward gulls present on the lake. A 360 degree flashing white light mounted to the top of the boat was switched on at times of low light for additional harassment. Pyrotechnic crackershells were fired at roosting or flying flocks of gulls from a single shot 12 gauge shotgun. Crackershells were shot from the boat or from shore when ice prevented boat access to open water. In addition to crackershells, WS used an avian dissuader laser gun to disperse gulls from the lake when ice prevented boat access.

Lethal Techniques

Lethal shooting was used to reinforce non-lethal methods. One to three gulls could be shot from a flock and the remainder would disperse. Lethal shooting is 100% selective for target species and WS ensured that gulls were killed as quickly and humanely as possible. All required permits to lethally remove wildlife were obtained from appropriate state and federal agencies.

Gulls observed roosting or attempting to roost on Lake Auburn were approached with the motorboat. Lethal shooting was employed if non-lethal methods were ineffective. Gulls were taken using a 12 gauge shotgun and non-toxic shot. Once gulls were out of range for lethal tactics, non-lethal pyrotechnics were employed until gulls were harassed off the lake.

Wildlife Services retrieved dead gulls with a fishing net; gulls not saved for study specimens were buried. WS developed a device that captured empty shotgun shells to prevent them from contacting the water. Safety was always the primary consideration when conducting management on Lake Auburn due to the level of human activity on and around the lake. Boaters and anglers frequent the lake and there is a college, two major roads, homes, camps, and walking trails along the shores of Lake Auburn.

During the spring and summer, management was conducted five times a week (weather permitting), most often during the last 3 hours of daylight. Fewer lake visits were made during morning and midday, although management was conducted throughout the day if gulls were observed on the lake. From October through December, the number of visits made to Lake Auburn to conduct management activities increased. However, the intensity of the management varied from year to year. In 2005, it was necessary for WS to be on the lake morning and evening (~3 hour shifts), seven days a week with a crew from AWD or LWD assisting each of those days. In 2006, WS rotated shifts with AWD and LWD to provide coverage for two to three hours each morning and evening, seven days a week on Lake Auburn. In 2007, WS rotated shifts with AWD and LWD to provide coverage once a day (during the evening hours), seven

days a week. Since 2008, management was conducted during the day and in the evening, five to six days a week by WS.

Gull Population Study

WS also continued an ongoing bird population survey of the local gull population in the areas surrounding Lake Auburn starting August 14, 2006. WS established 35 designated study points that were visited one to three times a week by vehicle for observation. Study points consisted of other water bodies (lakes, ponds, and rivers), farms, businesses, recreational areas, and other areas of bird activity. A spotting scope and a set of binoculars were used to make observations. The goal of the study was to determine gull attractants to the area around Lake Auburn and to determine the size and composition of the local gull population.

RESULTS

Bacteria Levels

In 2004, prior to gull management activities, Mean Fecal Count (MFC) for the months of October, November, and December was 18.24 fecal colonies per 100ml. Following initiation of management in 2005, MFC declined 51.5% and were further reduced from 2006 to 2012 to less than 3 fecal colonies per 100ml (Figures 1 & 2). In 2012, there was an 87% decrease in bacteria levels compared to 2004.

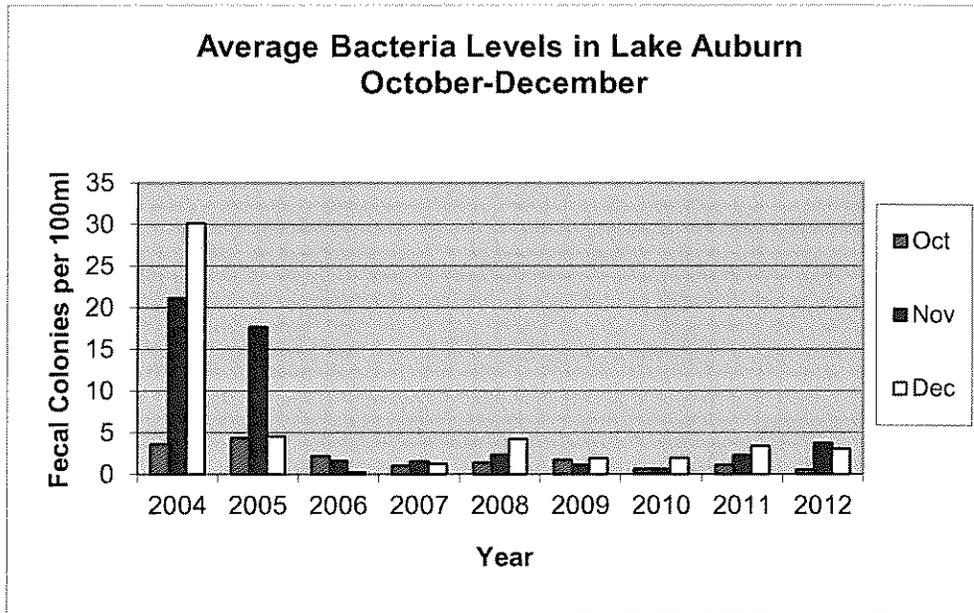


Figure 1. Monthly average of bacteria (fecal) levels in Lake Auburn for October, November, and December, from 2004–2012.

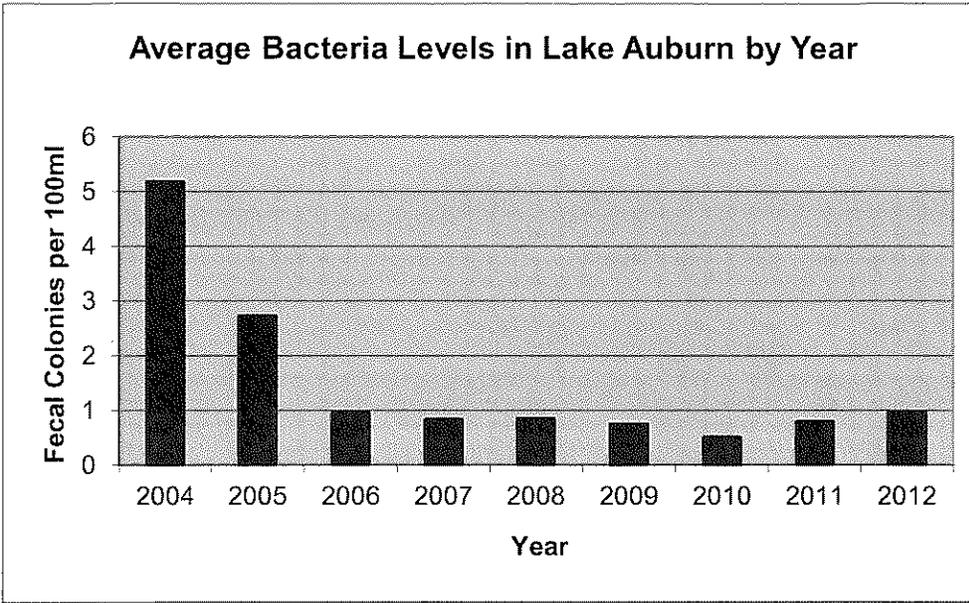


Figure 2. Yearly average of bacteria (fecal) levels in Lake Auburn from 2004-2012.

Shooting and Harassment

Lake Auburn is primarily used by three species of gulls: ring-billed gulls (RBGU) (*Larus delawarensis*), herring gulls (HEGU) (*Larus argentatus*), and greater black-backed gulls (GBBG) (*Larus marinus*). Between 2006 and 2012, 75,864 gulls were dispersed from Lake Auburn, while 2,447 were lethally removed (Table 2).

Table 2. Number of Gulls Shot and Dispersed by Species & Year

Year	Take by Species			Total	
	RBGU	HEGU	GBBG	Killed	Harassed/Dispersed
2005	38	124	11	173	unknown
2006	119	69	4	192	13,541
2007	213	56	8	277	9,027
2008	243	61	4	308	12,063
2009	179	53	8	240	7,884
2010	234	128	7	369	8,446
2011	360	228	5	593	11,613
2012	234	57	4	295	13,290
Total	1,620	776	51	2,447	75,864

Gull Presence

At the start of the project in the fall of 2005, several thousand gulls were habituated to using Lake Auburn. On the first day of this project, over 2,000 gulls were observed on the lake. By the end of the 2005 season, presence was down to as few as 5 gulls a day. In 2006, gulls were observed on the lake throughout the year; however, flocks were never as large as those seen in 2005. The trend continued with fewer gulls observed and dispersed from Lake Auburn each year compared to 2006. However, there have been fluctuations in the number of gulls present on Lake Auburn each year. Since 2006, the highest number of gulls observed on Lake Auburn on any given year occurred during 2012. Average gull presence on Lake Auburn from 2006 to 2012 shows a trend of an increasing number of gulls mid-summer, and once again in the fall (Figure 3). The total number of gulls present on Lake Auburn was lower in 2009 than any previous year. The 2012 season was unique in that there was a significant increase in gull presence on Lake Auburn in September and early October compared to observations from past years. Also, gull presence during mid-summer and late fall/early winter was above average in 2012.

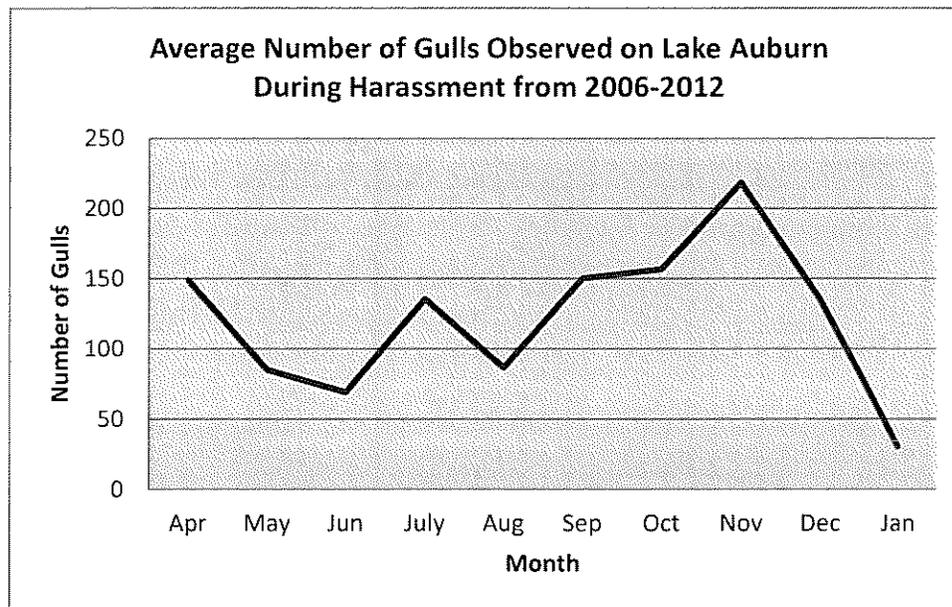


Figure 3. Average number of gulls observed on Lake Auburn during harassment from 2006-2012.

Gull Population Study

As a result of management on Lake Auburn, gulls began using Taylor Pond, which is adjacent to Lake Auburn, as an alternate roosting site. In 2012, gulls were also observed roosting at Sabattus Pond, however, not to the extent that Taylor Pond is used. With crews dispersing gulls on Lake Auburn at dusk, simultaneous gull counts on Taylor Pond provided an excellent opportunity to estimate the size of the local gull population. Flocks on Taylor Pond have numbered roughly 800 gulls in the summer, to 3,000 or more in the fall.

WS and Maine Department of Inland Fisheries & Wildlife (MDIFW) have observed that the local gull population that roosts in Lewiston/Auburn is comprised of immature birds and non-breeding adults (B.Allen, MDIFW pers. comm. 2007). Based on yearlong observations made by WS, the local population of gulls is estimated at 800 to 1,000 individuals. Breeding adults and their newly fledged young join the local population from nearby coastal nesting colonies from mid to late summer. When migrants from other areas arrive in the fall, local populations increase to over 3,000 individual gulls. After lakes and ponds ice over, as many as 1,000 gulls could still be observed feeding in the Lewiston/Auburn area. Using multiple observers, WS was able to track gulls returning to the coast each evening by following the Androscoggin River, a large flyway that runs through the middle of Lewiston/Auburn.

Numerous gull feeding locations in the Lewiston/Auburn area were located and monitored while conducting the gull population study. Farms were the largest and most consistent source of food for gulls with 200 to 1,000 gulls present during many observations. Observations made in the city usually consisted of smaller groups of gulls (less than 200) exploiting restaurants, malls, garbage, and parks for food. Numerous people have been observed feeding gulls on a regular basis at different sites around the twin cities. There was an observed increase in the number of people feeding gulls at parking lots in 2010 that has continued through 2012.

During the months of April through June, WS has searched for gull nests and nesting locations in and around Lewiston and Auburn since 2007. Rooftops of large buildings, islands, and other likely nest sites were monitored during this time. No gull nests were observed in the Lewiston/Auburn area during the nesting seasons of 2007 through 2012.

DISCUSSION

Bacteria Levels

Research has shown that gulls carry various species of bacteria such as *Bacillus sp.*, *Clostridium sp.*, *Campylobacter spp.*, *Escherichia coli*, *Listeria spp.*, and *Salmonella spp.* (MacDonald and Brown 1974, Fenlon 1981, Butterfield et al. 1983, Monaghan et al. 1985, Norton 1986, Vauk-Hentzelt et al. 1987, Quessey and Messier 1992). Water samples from Lake Auburn tested positive for *Campylobacter lari*. Transmission of bacteria from gulls to humans is difficult to document, however, Reilley et al. (1981) and Monaghan et al. (1985) both suggested that gulls were the source of contamination for cases of human salmonellosis. Contamination of public water supplies by gull feces has been stated as the most plausible source for disease transmission in some cases (e.g., Jones et al. 1978, Hatch 1996). Fecal samples collected and analyzed for fecal coliform bacteria concentrations from both ring-billed gulls and Canada geese revealed that fecal coliform concentrations are relatively high per gram of feces (Alderisio and DeLuca 1999). Gull feces has also been implicated in accelerated nutrient loading of aquatic systems (Portnoy 1990), which could also have serious implications for municipal drinking water sources. Fortunately, management efforts by AWD, LWD, and WS lowered bacteria levels to be in compliance with the U.S. EPA standards. A correlation between gull presence and bacteria levels in Lake Auburn was observed when management was started in the fall of 2005. Initiation of management resulted in decreased bacteria levels. Historically, bacteria levels increased

through the months of October, November, and December. With yearlong gull management, bacteria levels remained consistently low through most of the year from 2006 through 2012.

During inclement weather or ice conditions, harassment was not conducted. Following days with no harassment gull use increased and fecal coliform levels increased, although they remained within EPA standards. Instances such as this further support the correlation between gull presence and bacteria levels in Lake Auburn.

Gull Management

Bird management to protect drinking water is not unprecedented. Several municipalities and agencies have recognized a strong correlation between increasing numbers of gulls and other waterfowl at drinking water sources and increased fecal coliform concentrations. This issue is well documented at Wachusett and Quabbin Reservoirs in Massachusetts where a bird harassment program was implemented in 1993 (MA DOCR 2010). The bird harassment program has been successful in reducing the bird's impacts, however, the Massachusetts Department of Conservation and Recreation (MADCR) would like to see the number of gulls roosting on the reservoirs substantially reduced or eliminated (MA DOCR 2011). The New York City Department of Environmental Protection also identified birds as a significant source of fecal coliform at several NYC reservoirs. NYC DEP successfully lowered fecal coliform to compliant levels in their reservoirs after the initiation of a waterbird management program (NYC DEP 2009).

In addition, the United States Environmental Protection Agency warns that birds such as gulls and geese are reported to be the most common and significant sources of contamination of open reservoirs. The US EPA suggests managing and harassing wildlife as a method to prevent contamination of drinking water (US EPA 2001).

Gull presence has been greatly reduced on Lake Auburn since management began in 2005. However, gull presence in the Lewiston/Auburn area appears to have remained constant from 2006 through 2012, based on observations made at Taylor Pond and other observation points. This suggests that the local gull population is learning to avoid Lake Auburn from year to year due to management efforts.

Additionally, under normal conditions, gulls that use Lake Auburn have been easier to disperse over the past six years compared to the early years of management in 2005 and 2006. Gulls were more likely to leave Lake Auburn when other gulls were already loafing or roosting at Taylor Pond, less than a mile away. Due to the success of yearlong management, intensity of management efforts has remained constant throughout the year rather than increasing dramatically during the fall months (October through December) when gull presence and fecal levels have historically been high. However, it is likely that the majority of the local gull population would return to Lake Auburn on a daily basis if AWD, LWD, and WS stopped conducting management. Evidence of this was observed in 2012 when WS was not present on Lake Auburn over the long Thanksgiving weekend. Prior to the Thanksgiving weekend, gull presence was very low on Lake Auburn, with the majority of gulls using other roosting sites.

After the long weekend, WS observed over 800 gulls using Lake Auburn. At this time, bacteria levels also increased. Management efforts are very effective at dispersing and “training” gulls to avoid using the lake; however, instances such as this further support the need for gull management. WS strongly suggests that yearlong management activities continue on Lake Auburn.

In 2012, two environmental conditions potentially led to an increase in gull presence on Lake Auburn compared to previous years. The first condition was a hot dry summer. As in past years with this condition, gulls have been observed using the lake more frequently during the day for loafing. WS increased management efforts and spent more time on the lake to resolve this shift in gull use. The second environmental condition was a fish die off that occurred in September. A unique algae bloom depleted the dissolved oxygen in the water which caused a lake wide die off of more than 150 lake trout. During this time, several dead fish were at the surface of the lake each day. Naturally, this attracted large numbers of gulls and other birds to Lake Auburn each day. In addition to increased gull presence, they were also much harder to disperse from the lake. WS assisted AWSO employees collect dead fish and remove them from the lake each day, but the die off continued to attract birds on a daily basis. WS increased management efforts at this time to effectively resolve the new threat to drinking water quality.

A change in gull behavior in relation to WS dispersal techniques was also observed in late 2012 at a time when other roosting sites were frozen. Large flocks of gulls were using the lake and would quickly leave the surface of Lake Auburn at the sight of WS boat. However, large flocks of gulls would tower high in the sky out of range of firearms and pyrotechnics until it was completely dark. Gulls appeared to be waiting for WS to leave the lake or until darkness gave them safety. Due to this change in gull behavior, WS adapted management techniques to apply to the new situation. WS stayed on Lake Auburn until well after dark and utilized a spotlight to locate the gulls and dispersed them with a green laser device and pyrotechnics. This proved effective in dispersing gulls until Lake Auburn froze in early January.

Gull Population Study

The gull population study was started by WS to help determine why gulls were utilizing Lewiston and Auburn in such large numbers. Lake Auburn is a large body of water gulls can utilize for loafing and roosting that is close to reliable food sources and is within an important migration corridor (Androscoggin River). It is also close to the coast for gulls to travel easily to forage or loaf. Due to management on Lake Auburn, gulls began utilizing Taylor Pond as an alternate roosting site. Taylor Pond is most likely being used by the gulls because of its close proximity to Lake Auburn (less than 1 mile). Lewiston/Auburn is not the only area experiencing this phenomenon. It has been documented that gulls are opportunistic feeders and have taken advantage of the increase in the human population and its standard of living, feeding on contaminated waste during the day and then roosting on inland water bodies including reservoirs at night (Gray 2008). In Addition, the ring-billed gull population experienced a rapid increase in size in Maine in the late twentieth century that continues to the present (Greenlaw and Sheehan 2003).

Several observations of people feeding gulls continued in 2012. At certain locations, many people brought large amounts of scraps, leftovers, as well as bread from bakery outlets. New feeding opportunities such as these are likely making Lewiston/Auburn more of an attraction to resident and migratory gulls. Installing signage to discourage people from feeding gulls and other species of wildlife should be considered by AWD and LWD at sites identified by WS. Such measures have been taken by Massachusetts Department of Conservation and Recreation to reduce or eliminate food resources in specific parking lots in Massachusetts, primarily through signage and education (MADCR 2010).

Massachusetts Department of Conservation and Recreation has leg banded and wing tagged almost 1,100 gulls and attached satellite transmitters to 34 gulls since 2008 (MADCR 2011). In recent years, WS has observed several gulls with leg bands and wing tags feeding in the Lewiston/Auburn area. Between 2008 and 2009, one herring gull with a satellite transmitter travelled the Atlantic coast from Florida to the St. Lawrence River. During this time, the herring gull stopped and spent time in the Lewiston/Auburn area. In another instance, a satellite tagged herring gull flew approximately 350 miles from Massachusetts to New Brunswick, Canada in a 24-hour period. Examples like these show how quickly and unexpectedly gulls could show up at Lake Auburn. Results from MADCR's ongoing gull study in Massachusetts are similar to WS's findings on gull behavior and attractants in the Lewiston/Auburn area (MADCR 2010, Nugent and Dillingham 2009, Nugent et al. 2008).

Wildlife Service prepared and published an Environmental Assessment of gull management in Maine. Following public input WS subsequently signed and published a Record of Decision and Finding of No Significant Impact (APHIS 2012).

Conclusion

In 2012, AWD, LWD, and WS continued to successfully disperse gulls from Lake Auburn. Due to successful management, the goal of decreased fecal coliform bacteria levels in the Lake was again accomplished. To ensure that bacteria levels remain in compliance with EPA standards, WS recommends continuing the current level of gull management.

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Littlefield Bridge Replacement
 Installation of new water and sewer lines on new bridge
 2/11/2013

Bid Results vs budgeted amount

	<u>Capital Improvement Budget</u>	<u>MDOT Bid - Wyman & Simpson Inc.</u>	<u>Savings</u>
Water District	\$145,000	\$95,000	\$50,000
Sewer District	\$192,000	\$66,000	\$126,000

High Bid, Low Bid, Average for six Bidders

	<u>High Bid</u>	<u>Low Bid</u>	<u>Average</u>
Water District	\$120,000	\$75,000	\$97,333
Sewer District	\$100,000	\$10,000	\$49,333

AUBURN WATER DISTRICT AUBURN SEWERAGE DISTRICT

Capital Projects Summary

2013 Project Capital Improvement Projects (not budgeted in regular O&M)

<u>2013 Water District Projects</u>	BUDGET COST	Priority BUDGET COST	Future BUDGET COST	<u>Notes</u>
<u>MAINS & INFRASTRUCTURE</u>				
Mains - South Main Street	\$230,000	\$230,000	\$0	All new, no remaining pipe left in inventory, 2,300 feet
Manley Road - Service Transfers	\$25,000	\$25,000	\$0	Completion of 2012 project
Winter & Dennison - Service Transfers	\$25,000	\$25,000	\$0	Completion of 2012 project
Littlefield Bridge Removal	\$35,000	\$35,000	\$0	\$70,000 total, split 50/50 with sewer
Littlefield Bridge - MDOT Contract	\$145,000	\$145,000	\$0	New insulated pipe on new bridge, installed by MDOT
Littlefield Bridge - Our Approach Work	\$30,000	\$30,000	\$0	New gates, new connections, abandon old
Sub-Total =	\$490,000	\$490,000	\$0	
<u>LAKE STUDY & REMEDIATION</u>				
Increased Lake Sampling	\$10,000	\$10,000	\$0	\$20,000 total cost - split 50/50 w/ Lewiston
Data Management System	\$30,000	\$0	\$30,000	\$60,000 total cost - split 50/50 w/ Lewiston
Outsourced Sampling & Monitoring	\$5,000	\$5,000	\$5,000	\$10,000 total cost - split 50/50 w/ Lewiston
Algaecide Application	\$50,000	\$50,000	\$0	\$100,000 total cost - split 50/50 w/ Lewiston
Sub-Total =	\$95,000	\$65,000	\$35,000	
WATER TOTALS:	\$585,000	\$555,000	\$35,000	

<u>2013 Water District Projects</u>	BUDGET COST	Priority BUDGET COST	Future BUDGET COST	<u>Notes</u>
<u>I&I Remediation Projects</u>				
I&I Remediation Projects	\$150,000	\$100,000	\$50,000	Finalize Engineering Study. Begin Implementations
I&I Additional Investigation	\$75,000	\$0	\$75,000	Additional smoke-testing and evaluation
Heavy Cleaning & Vacuuming	\$0	\$0	\$0	To Be Performed In-House with Leased Truck
E-2 Station Upgrade	\$35,000	\$35,000	\$0	Electrical overhaul, new pumps, valve pit, etc
E-5 Station Upgrade	\$25,000	\$0	\$25,000	Upgrade electrical, new pumps, valve pit, etc
River Station Upgrades	\$30,000	\$30,000	\$0	Explosion Proof Boxes, 40 HP Pump replacement
Sewer Liner - Newbury Street	\$50,000	\$0	\$50,000	Size? Length?
Sewer Liner - Academy Street	\$50,000	\$0	\$50,000	Size? Length?
Root Control - Third Street	\$20,000	\$20,000	\$0	Size? Length?
Littlefield Bridge Removal	\$35,000	\$35,000	\$0	\$70,000 total, split 50/50 with water
Littlefield Bridge - MDOT Contract	\$192,000	\$192,000	\$0	New insulated pipe on new bridge, installed by MDOT
Littlefield Bridge - Our Approach Work	\$30,000	\$30,000	\$0	New manholes, live connection, abandon old
Sludge Dump Site at LAWPCA	\$0	\$0	\$0	\$30,000 Total cost - thru LAWPCA Bond Surplus
TOTAL:	\$692,000	\$442,000	\$250,000	

COUNTIE(S) : ANDROSCOGGIN

TABULATION OF BIDS

CONTRACT ID : 019284.00

LINE NO / ITEM CODE / ALT ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0830 652.312 TYPE III BARRICADE	5.000 EA	150.00000	750.00	250.00000	1250.00	150.00000	750.00
0840 652.33 DRUM	50.000 EA	55.00000	2750.00	10.00000	500.00	50.00000	2500.00
0850 652.34 CONE	50.000 EA	20.00000	1000.00	5.00000	250.00	15.00000	750.00
0860 652.35 CONSTRUCTION SIGNS	630.000 SF	15.00000	9450.00	20.00000	12600.00	20.00000	12600.00
0870 652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	170.000 LS	5000.00000	5000.00	1700.00000	1700.00	10000.00000	10000.00
0880 652.38 FLAGGER	600.000 HR	20.00000	12000.00	15.00000	9000.00	14.00000	8400.00
0890 656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	5000.00000	5000.00	6000.00000	6000.00	13000.00000	13000.00
0900 659.10 MOBILIZATION	LUMP	213000.00000	213000.00	222333.00000	222333.00	129000.00000	129000.00
0910 827.362 GAS MAIN TRENCHING	320.000 LF	16.00000	5120.00	9.00000	2880.00	20.00000	6400.00
0920 830.10 WATER MAIN BRIDGE CROSSING	LUMP	95000.00000	95000.00	110000.00000	110000.00	120000.00000	120000.00
0930 830.13 SEWER MAIN BRIDGE CROSSING	LUMP	66000.00000	66000.00	100000.00000	100000.00	85000.00000	85000.00
0940 845.10 STRUCTURAL STEEL UTILITY SUPPORT	LUMP	4600.00000	4600.00	5000.00000	5000.00	3000.00000	3000.00
SECTION TOTALS			\$ 2,134,271.50		\$ 2,223,333.00		\$ 2,294,427.50
CONTRACT TOTALS			\$ 2,134,271.50		\$ 2,223,333.00		\$ 2,294,427.50

(1) 000063 WYMAN & SIMPSON, INC.
 (2) 000416 T. BUCK CONSTRUCTION, INC.
 (3) 000032 REED & REED, INC.

COUNTIE(S) : ANDROSCOGGIN

TABULATION OF BIDS

CONTRACT ID : 019284.00

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LINE NO / ITEM CODE / ALT ITEM DESCRIPTION	QUANTITY	(4) 000164 CPM CONSTRUCTORS	UNIT PRICE	AMOUNT	(5) 001954 TECHNICAL CONSTRUCTION, INC.	UNIT PRICE	AMOUNT	(6) 004202 NEW ENGLAND INFRASTRUCTURE	UNIT PRICE	AMOUNT
0920 830.10 WATER MAIN BRIDGE CROSSING	LUMP	125000.00000		125000.00	100000.00000		100000.00	125000.00000		125000.00
0930 830.13 SEWER MAIN BRIDGE CROSSING	LUMP	90000.00000		90000.00	75000.00000		75000.00	94000.00000		94000.00
0940 845.10 STRUCTURAL STEEL UTILITY SUPPORT	LUMP	10000.00000		10000.00	15000.00000		15000.00	20000.00000		20000.00
SECTION TOTALS			\$	2,363,042.50		\$	2,363,322.50		\$	3,255,482.50
CONTRACT TOTALS			\$	2,363,042.50		\$	2,363,322.50		\$	3,255,482.50

Memo to: Trustees of the Water and Sewerage Districts

From: Sid Hazelton, P.E., District Engineer

Re: Recommendation for Purchase of Used Dump Truck

Date: 2/11/13

The approved 2013 equipment budget includes \$60,000 (\$45,000AWD/\$15,000 ASD) for the purchase of a used 12 CY dump truck, along with the trade of our existing 21 yr. old 6 CY dump.

We recently solicited quotes from Truck Dealers, and the results are tabulated below:

<u>Unit</u>	<u>Dealer</u>	<u>Quote</u>	<u>Trade Allowance</u>	<u>Total</u>
2004 Volvo VHD64F	O'Connor – Portland	\$62,900.00	\$5,400.00	\$57,500.00
2001 Freightliner FL80	CB Kenworth	\$29,500.00	-	\$29,500.00
2006 Peterbilt	Whited Truck Center	\$64,900.00	\$5,000.00	\$59,900.00

Freightliner of Maine, and Morrison & Sylvester were contacted as well, but had no used dump trucks in inventory. An internet search revealed the nearest available trucks to be out of state.

In general, contractors are putting off the purchase of new trucks due to the slow economy. They are keeping their trucks longer, which reduces the available stock of used trucks.

As a result of our investigation, we recommend the purchase of the 2004 Volvo VHD64F from O'Connor-Portland for a total of \$57,500.00.

The following pages summarize our findings:

2004 Volvo VHD64F

Previous ownership

We spoke to Dale Savoie, who was the previous owner of this truck. Dale owns a Landscaping company in Georgetown Maine. The truck was used primarily for hauling gravel to job sites. He bought the truck new from O'Connor Volvo, and was the sole owner until he sold it back to them this year. He said it was a reliable truck, and he did not want to sell it, but he was downsizing his company from seven employees to three, and needed to reduce the number of trucks he owned from seven to five.

He performed the routine maintenance himself (filters, fluids, grease) every 7000 miles. He recently spent \$13,000 to replace the transmission, power take-off, and new motor mounts. The truck has less than 1,000 miles with these new upgrades.

Inspection

On February 4, 2013, we had the truck independently inspected by Jeremy Gibbert, who is an experienced Diesel Mechanic at Auburn Public Works. He noted several small items, but overall concluded that it was in good shape.

Maintenance Records

Most of the non-routine maintenance of this vehicle was performed at O'Connor Volvo.

Vehicle specifications

See attached

Vehicle Pictures

See attached

2004 Volvo VHD

Scott Cyr [scott.cyr@oconnormaine.com]

Sent: Thursday, December 13, 2012 10:06 AM

To: Andrew T. Farris; hamann.dave@yahoo.com

Attachments: WT14948 (1).JPG (125 KB) ; WT14948 (2).JPG (143 KB) ; WT14948 (3).JPG (149 KB) ; WT14948 (4).JPG (121 KB) ; WT14948 (5).JPG (137 KB) ; WT14948 (6).JPG (115 KB) ; WT14948 (7).JPG (132 KB) ; WT14948 (8).JPG (127 KB)

Attached are pictures of the truck we have been talking about, the basic specifications are:

20,000 lb. front axle
46,000 lb. rear axle with full locks
395 horsepower with engine brake
8LL transmission
14" Bibeau BFL-HD body
Power load cover
Towing package
Mileage: 199,500

Price \$64,900

The truck is located at our Portland store presently. Let me know if I can answer questions.

Scott Cyr
O'Connor Motor Company
299 Warren Ave.
Portland, ME 04103
888-343-5415
207-592-5551 cell

O'Connor

SALES / SERVICE / PARTS / BODY SHOP



BUICK



CHEVROLET



Cadillac



WESTERN STAR



HINO



ISUZU



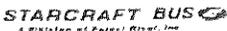
TRUCKS



EAGLE



STARBUCK



STARCRAFT BUS

January 16, 2013

John Storr
Auburn Water District
268 Court Street
Auburn, ME 04210

Re: Volvo dump truck quote

As Dave Hamann requested earlier today below is the quote for a tandem axle dump truck with 14' Bibeau dump body. Detailed specifications are attached.

2004 Volvo VHD64F stock #WT14948	\$62,900
Trade: 1990 Chevrolet vin. CJ201719	<u>5,400</u>
<u>Trade difference:</u>	<u>\$57,500</u>

Option:

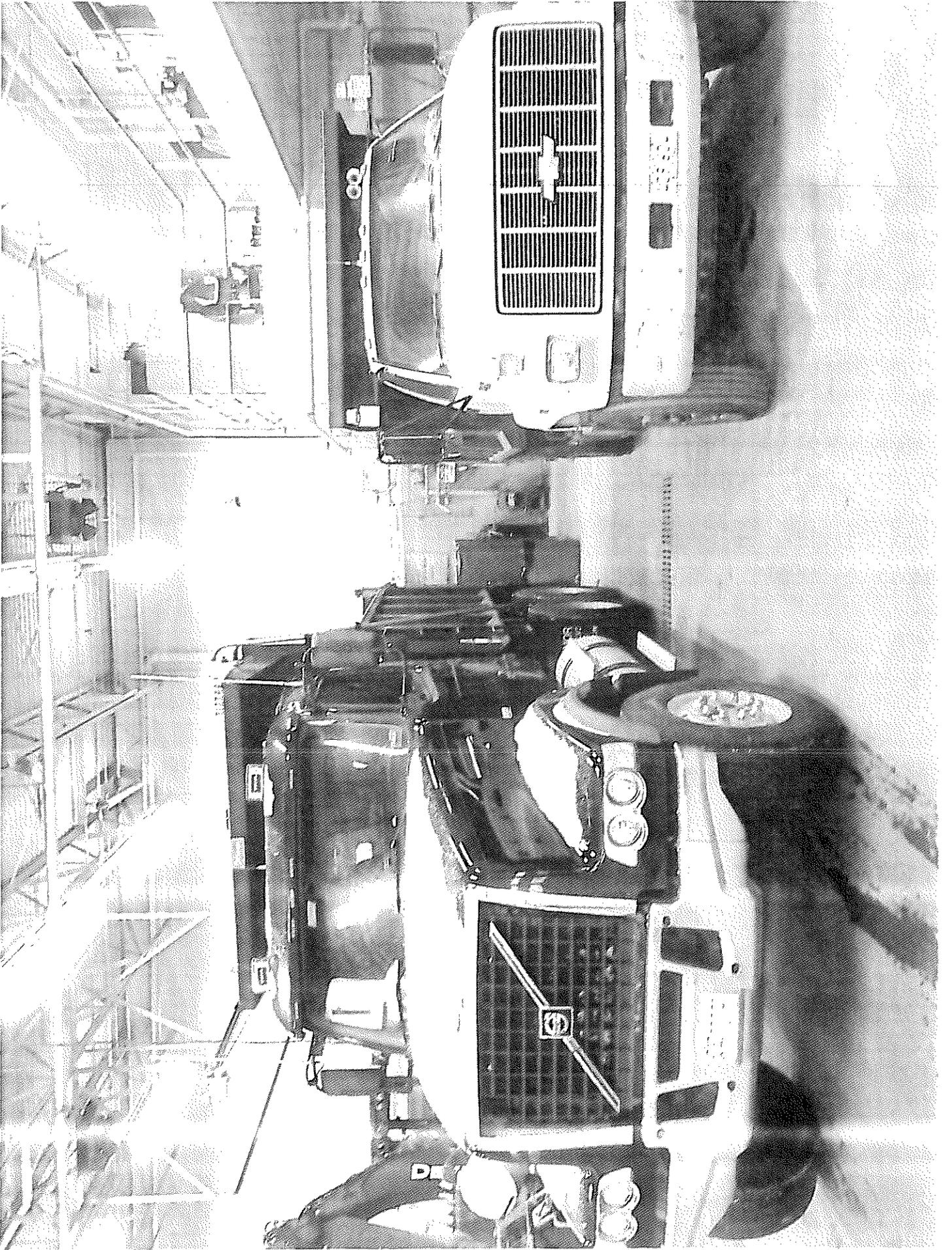
- 1) Paint cab white including doors jams (repair dent back of cab): add \$2600
- 2) Repair dent at rear of cab and paint affected area black: add \$1100

If you would like to purchase this truck, or if you have any questions, please call me at (207) 797-7837. Thank you for inviting us to provide this quotation.

Sincerely,

Scott Cyr
Truck Sales
O'Connor Motor Company Portland





2001 Freightliner FL80

General

Although the price is much less than the Volvo (\$29,500 vs. \$57,500), there are three major issues with this truck:

1. The front axle weight is undersized. Although this may not be an issue with a lot of over-the-road use, an undersized front suspension will cause accelerated tire wear in an urban environment like we have where frequent turns will be made.
2. The body is steel (not high tensile steel like the Volvo truck). A plain steel body is subject to corrosion, and replacement of the body is very expensive.
3. The motor is undersized for our application (300HP for this truck vs. 395HP for the Volvo). This can come in to play when hauling full loads of gravel, or towing a trailer.

Specifications, quote, and Picture

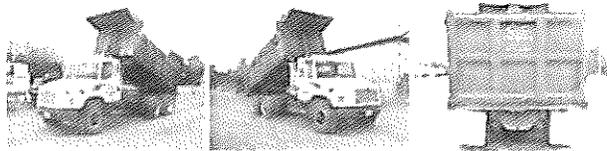
See attached

Note

We did not see this truck in person

2001 FREIGHTLINER FL80

[Hide Main Picture](#)



Specifications

Quantity	1
Stock Number	FL80 Dump-C&C
Year	2001
Manufacturer	FREIGHTLINER
Model	FL80
Price	Call
Location	Bangor, Maine
Condition	Used
Engine Specs	Caterpillar
Engine Type	3126
Horsepower	300
Fuel Type	Diesel
Transmission	8LL
Engine Brake	No
Suspension	Chalmers
Length	15 ft
Ratio	4.11
Tires	22.5
Wheels	Spoke
Number of Rear Axles	Tandem
Front Axle Weight	14,600 lb
Rear Axle Weight	40,000 lb
Composition	Steel
VIN	1HH29517

2006 Peterbilt

General

Much like the Freightliner truck, we have the same three issues:

1. The front axle weight is undersized. Although this may not be an issue with a lot of over-the-road use, an undersized front suspension will cause accelerated tire wear in an urban environment like we have where frequent turns will be made.
2. The body is steel (not high tensile steel like the Volvo truck). A plain steel body is subject to corrosion, and replacement of the body is very expensive. Our foreman inspected this truck, and the body was in poor shape.
3. The motor is undersized for our application (330HP for this truck vs. 395HP for the Volvo). This can come in to play when hauling full loads of gravel, or towing a trailer.

From test driving this vehicle, our foreman also noted:

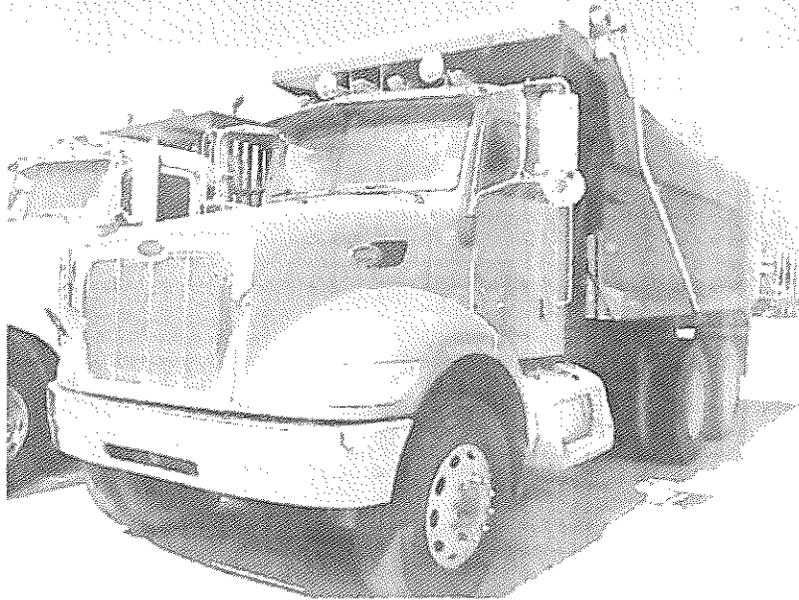
- the vehicle did not shift well; the clutch seemed loose which can indicate transmission problems
- the vehicle had poor visibility
- new tires were need all around
- small leaks were noted around the motor

This vehicle costs more than the Volvo (\$59,900 vs. \$57,500)

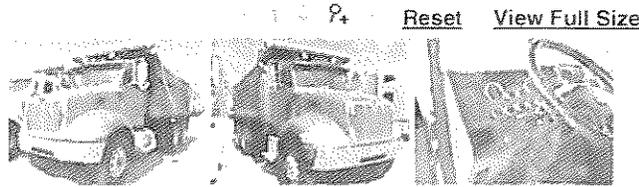
Specifications, quote, and Picture

See attached

2006 PETERBILT 340



Specifications	
Quantity	1
Stock Number	HP947
Year	2006
Manufacturer	PETERBILT
Model	340
Price	\$64,980 USD
Location	Auburn, Maine
Condition	Used
Engine Specs	Caterpillar
Engine Type	C7
Horsepower	330
Mileage	128,119 mi
Fuel Type	Diesel
Transmission	8LL
Check for Over Drive	Yes
Suspension	Air Trac
Length	14 ft
Ratio	4.56
Tires	11R22.5
Wheels	All Aluminum
Wheelbase	189 in
Number of Rear Axles	Tandem
Front Axle Weight	14,600 lb
Rear Axle Weight	40,000 lb
Composition	Steel
VIN	2NPLLD9X36M890882
Drive Side	Left Hand Drive



Detailed Description
 NICE CLEAN WHEELER, HEATED BEAU ROC 14' DUMP BODY WITH TARP, Gross Vehicle Weight (lbs): 54600; 6x4

Say you saw this 2006 PETERBILT 340 On TruckPaper.com!

[Send WHITED TRUCK CENTER A Message](#)

Contact:

WHITED TRUCK CENTER

Truck/Trailer is located in:

Auburn, Maine

Phone: (207)786-3673

Whited Truck Centers
Bangor - Auburn - Presque Isle

STOCK #:	HP947		DATE:	12/03/12		TEMP PLATE = YES/NO	
DEALER'S NAME:	WHITED TRUCK CENTER		ADDRESS:	207 PERRY ROAD, BANGOR MAINE 04401			
PURCHASER'S NAME:	Auburn Water District						
PURCHASER'S ADDRESS:						DATE OF BIRTH	
LEGAL ADDRESS:							
RESIDENCE PHONE:				BUSINESS PHONE:			
PLEASE ORDER:	1		NEW/USED:	Used 2006 Peterbilt		SERIAL#	2NPLLD9X36M890882
MODEL:	340		BODY STYLE	Wheeler Dump		COLOR:	#CYL:
TO BE DELIVERED ON OR ABOUT:				SALESMAN:	GL		
MILEAGE OR KILOMETERS		MILEAGE		ACTUAL		EXCESS 99,999	NOT ACTUAL
FILL IN IF USED UNIT IS TO BE TRADED IN:				PRICE OF UNIT:	\$64,900.00		
YEAR:	1990	MAKE:	Chevy	ADD ONS:	\$0.00		
MODEL:	Kodiak	COLOR:	White		\$0.00		
MILEAGE:	67606				\$0.00		
SERIAL #:	1GBM7H1M0LJ201719			DOC FEE:	\$0.00		
BALANCE OWED TO:				TOTAL OF UNIT:	\$64,900.00		
ADDRESS:				LESS TRADE IN:	\$5,000.00		
NET TRADE VALUE	\$5,000.00			TAXABLE DIFFERENCE:	\$59,900.00		
				SALES TAX:	0%	\$0.00	
TOTAL RETAIL PRICE \$	\$64,900.00			FEDERAL EXCISE TAX:	0%	\$0.00	
0.00%	\$0.00			TITLE FEE:	\$0.00		
- FET TIRE CREDIT	\$0.00			TOTAL:	\$59,900.00		
TOTAL F.E.T.	\$0.00			ADD TOTAL OWED ON TRADE-IN:	\$0.00		
				SUB TOTAL:	\$59,900.00		
LIEN NAME:							
ADDRESS:				LESS DEPOSIT:	\$0.00		
PHONE:				LESS CASH ON DELIVERY:	\$0.00		
				BALANCE DUE:	\$59,900.00		
EXTENDED COVERAGE							
VEHICLE:			MONTHS	MILEAGE	APPLICABLE WARRANTY		
					MANUFACTURER'S LIMITED WARRANTY		
					VEHICLE NOT INSPECTABLE - sold for parts only		
ENGINE:					VEHICLES SOLD AS IS - NO WARRANTY		
				NOTES:			
TRANSMISSION:							
ADDL:							
THIS ORDER IS NOT BINDING UNTIL ACCEPTED BY DEALER							
PURCHASER'S SIGNATURE: _____				ACCEPTED BY _____			
DATE: _____				DATE: _____			

Whited Truck Centers
Bangor - Auburn - Presque Isle

STOCK #:	HP947		DATE:	12/03/12		TEMP PLATE = YES/NO	
DEALER'S NAME:	WHITED TRUCK CENTER		ADDRESS:	207 PERRY ROAD, BANGOR MAINE 04401			
PURCHASER'S NAME:	Auburn Water District						
PURCHASER'S ADDRESS:						DATE OF BIRTH	
LEGAL ADDRESS:							
RESIDENCE PHONE:				BUSINESS PHONE:			
PLEASE ORDER:	1		NEW/USED:	Used 2005 Peterbilt		SERIAL#	2NPLLD9X36M890882
MODEL:	340		BODY STYLE	Wheeler Dump		COLOR:	#CYL:
TO BE DELIVERED ON OR ABOUT:				SALESMAN:	GL		
MILEAGE OR KILOMETERS		MILEAGE		ACTUAL		EXCESS 99,999	NOT ACTUAL
FILL IN IF USED UNIT IS TO BE TRADED IN:				PRICE OF UNIT:		\$64,900.00	
YEAR:	1990	MAKE:	Chevy	ADD ONS:	Paint cab white and body black	\$4,000.00	
MODEL:	Kodiak	COLOR:	White			\$0.00	
MILEAGE:	67606					\$0.00	
SERIAL #:	1GBM7H1M0LJ201719			DOC FEE:		\$0.00	
BALANCE OWED TO:				TOTAL OF UNIT:		\$68,900.00	
ADDRESS:				LESS TRADE IN:		\$5,000.00	
NET TRADE VALUE	\$5,000.00			TAXABLE DIFFERENCE:		\$63,900.00	
				SALES TAX:	0%	\$0.00	
TOTAL RETAIL PRICE \$	\$68,900.00			FEDERAL EXCISE TAX:	0%	\$0.00	
0.00%	\$0.00			TITLE FEE:		\$0.00	
FET TIRE CREDIT	\$0.00			TOTAL:		\$63,900.00	
TOTAL F.E.T.	\$0.00			ADD TOTAL OWED ON TRADE-IN:		\$0.00	
				SUB TOTAL:		\$63,900.00	
LIEN NAME:							
ADDRESS:				LESS DEPOSIT:		\$0.00	
PHONE:				LESS CASH ON DELIVERY:		\$0.00	
				BALANCE DUE:		\$63,900.00	
EXTENDED COVERAGE							
VEHICLE:		MONTHS	MILEAGE	APPLICABLE WARRANTY			
				MANUFACTURER'S LIMITED WARRANTY			
				VEHICLE NOT INSPECTABLE - sold for parts only			
ENGINE:				VEHICLES SOLD AS IS - NO WARRANTY			
				NOTES:			
TRANSMISSION:							
ADDL:							
THIS ORDER IS NOT BINDING UNTIL ACCEPTED BY DEALER							
PURCHASER'S SIGNATURE:				ACCEPTED BY			
DATE:				DATE:			

John Storer

From: John Storer
Sent: Thursday, January 24, 2013 12:08 PM
To: Eric Cousens (ECousens@ci.auburn.me.us)
Subject: Comp Plan - implementation status
Attachments: Comp Plan AWSD Implementation.xlsx

Eric,

Following up from earlier today, attached is a digital file of updates on the Comp Plan as they relate to either AWD, ASD, or LAWPC.

Comments in black text should be updates where the task specifically mentioned AWD, ASD, or LAWPC as having some type of responsibility.

I provided additional comments in green text for sewer related issues.

Or blue text for either water or watershed related issues.

Please let us know if you have any questions or comments. I'd be happy to follow up with additional information or provide written narratives.

Thank you,

John B. Storer, P.E.
Auburn Water & Sewerage Districts
P.O. Box 414
268 Court Street
Auburn, Maine 04212-0414
Tel 207-784-6469
Fax 207-784-6460

Auburn Water (AWD), Auburn Sewer (ASD), or Lake Auburn Watershed Protection Commission (LAWPC) Comments

Policy Reference	Activity	Primary Responsibility	Comment
	Ongoing Activities		
	Regional sewerage – continue to work to treat sewage on a regional basis	Auburn Sewerage District	New anaerobic digester facility is expected to come on line in April/May 2013. Digester will help control operational costs. 2013 budget is \$34,000 less than 2012's which will minimize future rate impacts.
Ch3-A.4	Regional water supply – continue to work to provide public water on a regional basis	Auburn Water District	AWD/LWD have multiple Interlocal Agreements for sharing of water intake, UV plant, chemical treatment facilities, water quality laboratory, SCADA technicians, HAZMAT Team, etc. - all in support of water supply
Ch3-A.5			
Ch1-A.1.5.a	Lake Auburn – monitor water quality	Auburn Water District (AWD) & LAWPC	Engineering consultants to present results of Lake Study Feb 13. AWD maintains joint water quality lab w/ Lewiston. Staff has ongoing sampling program for lake, tributaries, algae, etc. based on recommendations from consultants
Ch1-B.1.1a	Water supply – protect Lake Auburn water quality	AWD & LAWPC	Multiple ongoing - current Lake Water Quality Diagnostic Study. LAWPC is funding 2013 police patrols, enforcing swimming violations, USDA gull harassment. Funded 2010 Lake Auburn Watershed Master Plan
Ch1-A.1.3.b	Lake Auburn – establish City land conservation priority	City Council & LAWPC	On-going. LAWPC will entertain land purchase if approached by willing seller and acquisition supports watershed protection & water quality. Can explore additional partnerships
Ch1-B.2.1.c & Ch1-I.2.2.a & Ch2-FLUP	Sewers – work with property owners and developers to upgrade sewers to serve Growth Areas (see FLUP)	City Manager & Council & Economic Development Department	Note - ASD can provide engineering reviews and technical direction to assure logical development of sewer collection system

Auburn Water (AWD), Auburn Sewer (ASD), or Lake Auburn Watershed Protection Commission (LAWPC) Comments

Ch1-A.1.2.b	Lake Auburn – provide financial assistance for septic replacement	Community Development Department Lake Auburn Watershed Protection Commission (LAWPC)	Ongoing emergency loan program LAWPC could be approached about future funding and partnerships/opportunities
Ch1-A.1.1.a	Lake Auburn - control invasive species		LAWPC funding DASH boat (diver assisted suction harvester) in 2013. Continued diver removal and benthic barrier placements. Pursue MDEP remediation grants. Continue aquatic invasive trailer and boat inspections throughout the summer at the boat launch
Ch1-A.1.1.d	Lake Auburn – improve erosion control	LAWPC	Waiting on recommendations of Lake Auburn Diagnostic Study. Implemented erosion stabilization projects in 2012 with MDWP grant. \$200,000 in 2013 Budget for possible additional remediation
Ch1-A.1.3.a	Lake Auburn – continue land purchase/conservation	LAWPC	AWD/LWD continued to fund LAWPC Sinking Fund in 2013 for possible future land acquisition. Entertain transactions from willing sellers, evaluated on case-by-case basis
Ch1-A.1.4.b & Ch3-A.6	Lake Auburn – promote watershed management outside of Auburn	LAWPC	LAWPC hired full time Education & Outreach Manager for this purpose. Waiting on recommendations of Lake Auburn Diagnostic Study. Plan to reach out to Minot, Turner, Hebron & Buckfield
Ch1-A.1.5.b	Lake Auburn – monitor statewide trends in watershed protection	LAWPC	On-going effort. AWD staff participate on Water Resources Committee of Maine Water Utilities Association. AWD staff actively participate and present at trade seminars.
Ch1-A.1.2.a & Ch1-A.1.4.a	Lake Auburn – minimize pollution from changes to existing development and new development	Planning and Permitting Department & LAWPC	2013 objective of new Education & Outreach Manager to reach out to existing developments for voluntary education & cooperation. AWD/LAWPC staff will continue to monitor Lake and support City permitting staff (i.e. phosphorus plan and septic design reviews)

Auburn Water (AWD), Auburn Sewer (ASD), or Lake Auburn Watershed Protection Commission (LAWPC) Comments

Ch1-A.1.3.c & Ch1-A.2.2.a & Ch2-FLUP	Lake Auburn and Taylor Pond – maintain Ag/Rural zoning in watersheds	Planning Board & Staff	Ongoing. Comp Plan reduced potential for new residential strips in watershed of Lake Auburn. AWD/LAWPC 100% supportive of effort
Ch1-A.2.1.d & Ch1-A.2.2.e	Taylor Pond – revise sewer connections requirements Water supply – regulate the impact of development on groundwater	Planning Board & Staff	*Note - ASD has long-standing Impact Fee requirement related to original construction of public sewer in 1970's. Fee could be financial deterrent for connecting. Needs to be addressed/discussed.
Ch1-B.1.1.b	Water supply – update LAO requirements	Planning Board & Staff	Ongoing. Development Review and Permitting. AWD might be able to provide support/assistance regarding SWAP - Source Water Assessment Program
Ch1-B.1.1.d	Water supply – update LAO requirements	Planning Board & Staff & LAWPC	In the works. Note - Suggest holding till results of Lake Auburn Diagnostic Study presented on Feb 13
Ch1-A.1.2.h	Lake Auburn – require septic inspection/repair upon property transfer	Planning Board & Staff & LAWPC	AWD Note - system already exists in some ocean communities with sensitive, productive clam flats. AWD/LAWPC to support City staff
Ch1-B.1.1.c	Water supply – update storm water management requirements including Phosphorous Control Ordinance	Planning Board & Staff & LAWPC	In the works. LAWPC has recommendation from 2010 Lake Auburn Watershed Management Plan to do so
Studies and Planning (Short Term)			
Ch1-B.1.2.b	Water supply – develop water conservation plan	Auburn Water District	AWD reports water consumption annually to MPUC. Guidelines exist for production/consumption. AWD has 6 million gallon per day (MGD) production capacity, 2012 only ran about 2.5 to 3.0 MGD
Capital Projects and Investments (Short Term)			

Auburn Water (AWD), Auburn Sewer (ASD), or Lake Auburn Watershed Protection Commission (LAWPC) Comments

<p>Ch1-B.2.3.b Ch1-A.1.1.b & Ch1-E.1.3.a</p>	<p>Sewers – eliminate inflow/infiltration contributions of natural water</p> <p>Lake Auburn – continue capital improvements</p>	<p>Auburn Sewerage District</p> <p>Auburn Water District (AWD)</p>	<p>City/ASD in 14th year of 15 year CSO elimination plan. ASD hired consultant to conduct Inflow/Infiltration assessment in 2012 (smoke testing). Identified "defects" subject to capital improvements plan in 2013 and beyond</p> <p>On-going. Waiting on recommendations of Lake Auburn Diagnostic Study. Initial presentation Feb 13.</p>
<p>Ch1-B.1.2.c</p>	<p>Water supply – assure that system can provide adequate supplies of "process water"</p>	<p>AWD</p>	<p>AWD has rated capacity of 6 million gallons per day (MGD). In 2012 AWD supplied only 2.5 to 3.0 MGD. City could double water demand. AWD infrastructure can handle 1.0 MGD increase around airport, industrial park, Turnpike Exit.</p>
<p>Ch1-A.6.1.a & Ch1-B.2.2.a</p>	<p>Storm water & sewers – fund and implement CSO removal projects</p> <p>Sewers – use TIFs and other funding to extend sewer system</p>	<p>City Manager & Council</p> <p>City Manager & Council</p>	<p>ASD Note - CSO separation is theoretically complete. Still investigating for isolated areas that may require construction. <u>Remaining problem area</u> - private roof drains and sump pumps.</p> <p>ASD could provide engineering & technical guidance, as necessary</p>
<p>Ch1-B.2.1.a</p> <p>Ch1-B.2.3.a</p>	<p>Sewers – support CSO Program</p>	<p>City Manager & Council</p> <p>City Manager & Council</p>	<p>ASD is working to identify remaining CSO issues. May require joint ASD/City funding depending on infrastructure</p>
<p>Ch1-A.1.1.c & Ch1-E.1.3.a</p>	<p>Lake Auburn – develop recreational opportunities</p>	<p>Lake Auburn Watershed Protection Commission (LAWPC)</p>	<p>LAWPC is exploring options/funding. LAWPC funded 2007 Lake Auburn Bike and Pedestrian Plan - Southern Link. New Education & Outreach Manager will explore further opportunities - interactive school trips</p>
<p align="center">Other Actions (Short Term)</p>			

Auburn Water (AWD), Auburn Sewer (ASD), or Lake Auburn Watershed Protection Commission (LAWPC) Comments

Ch1-A.1.2.f	Lake Auburn – designate “Responsible Management Entity” for septic system maintenance		City Manager & Council	LAWPC could provide assistance for tracking or monitoring activity
Ch1-A.1.2.g & Ch1-A.1.4.f	Lake Auburn – establish an owner/resident educational program		LAWPC	On-going. LAWPC hired new Education & Outreach Manager in January to begin implementation
Policy Reference	Activity	Primary Responsibility		
Longer Term Activities				
Land Use Ordinance Amendments (Longer Term)				
Ch1-A.7.1.b	Acquifer protection – map and protect significant aquifers	Planning Board & Staff		Note - LAWPC might be able to provide assistance within the Lake Auburn Overlay area.
Studies and Planning (Longer Term)				
Capital Projects and Investments (Longer Term)				
Ch1-B.2.2.c	Sewers – upgrade older central sewer lines	Auburn Sewerage District		On-going as part of CSO elimination program. ASD evaluating replacement vs. relining, or in-place rehabilitation. ASD buying sewer inspection camera in 2013
Ch1-B.2.3.c	Sewers – use cost-effective technology and treatment processes at LAWPCA	Auburn Sewerage District		New anaerobic digester facility is expected to come on line in April/May 2013. Will be first of its kind in Maine for municipal wastewater treatment. Will produce power from methane gas and help control long-term operational costs.

Auburn Water (AWD), Auburn Sewer (ASD), or Lake Auburn Watershed Protection Commission (LAWPC) Comments

Ch1-B.2.1.b	Sewers – use bonding or other strategies to extend sewers to New Auburn industrial areas	City Manager & Council		ASD Note - can provide engineering guidance or technical support to ensure logical expansion of system
Other Actions (Longer Term)				
Ch1-A.9.1.e	Habitat – establish voluntary protection-advisory program	Conservation Commission & ALT & Conservation Organizations		Note - Please consider LAWPC as an interested party
Ch1-A.9.1.f	Habitat – create a wildlife corridor improvement program	Conservation Commission & ALT & Conservation Organizations		Note - Please consider LAWPC as an interested party
Ch1-E.1.5.b	Recreation – develop trail maintenance program for City-owned trails	Recreation Department & ALT & Conservation Organizations		Note - LAWPC might want to partner/adopt City's program for LAWPC trails
Ch1-A.9.1.d	Habitat – require documentation of forestry practices	Planning and Permitting Department		Note - Please consider LAWPC as an interested party for land within Lake Auburn Overlay District
Ch1-A.9.1.c	Habitat – establish community education program	Permitting Department & Auburn Public Library		Note - LAWPC might be able to provide assistance w/ new Education & Outreach Manager

