

## Appendix F

## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

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TAG NO		ROOM	DATE		DESCRIPTION		FROM		SERIAL NO		PRICE
		94	2/2/2006		Desk Lamp		MSU		E230863		\$24.10
3960	G	94	11/19/2004		UPS Battery Back-up		Staples		AB0413349151		\$39.98
3967	G	90	11/19/2004		UPS Battery Backup		Staples		AB0412146168		\$39.98
		73	2009		Power Cyber PP1500				PPF6W2000050		\$49.00
		73	2009		Power Cyber PP1500				PPF702000006		\$49.00
		77	5-Feb		Canon Desk/print adding machine		Janets desk		2079851		44.98
		77	5-Feb		Canon Desk/print adding machine		Front desk		2065791		44.98
3741A	G	97			Camera Card, Scan Disk	Model SDDR-83					\$50.00
		77	Jun-06		Phone Answering Machine AT&T 1738				CN400131601		\$50.00
		94	28-Dec		Portable pH 20 tester		VWR				63.95
		96	3/12/2008		Chair-Black Luxura task(arms)				105054-US		59.99
		73	2009		Power Cyber 685AVR				BFA652009010		\$73.00
3965	G	95	10/15/2004		UPS Battery Backup		Bilkin		#20104729970W5		74.16
		94	Jul-09		Chair, Brown leather/arms		Home Depot		CA41472		\$80.00
3492	G	81	5/24/1996		Ladder/5 Ft Step - Blue						\$84.75
3964	G	97	10/15/2004		Computer CD Drive/lomega		Staples		#3VBE0704H6		89.98
3966	G	88	11/19/2004		UPS Broadban		Staples		QB0412341250		89.98
276	B	94			Chair - Black						\$100.00
1822	G	94			Chair, Secretary - Tan						\$100.00
1869	G	94	1995		Chair Tusk Blue						\$100.00
2051	G	94	1995		Stool, adj/swvl w/casters	Black					\$100.00
2054	G	94	1995		Blue Screw Type Low Stool		Terrella				\$100.00
2362	G	94	1995		Stool, backless Swvl - Gray						\$100.00
		94	1996		Stool, backless swivel- Gray						\$100.00
4391A	G	83mm	3/28/2007		Camera Case						\$110.00
3568	G	90			Yellow Extension Cord - 100 FT/110 Volt						\$115.00
3569	G	90			Yellow Extension Cord - 100 FT/110 Volt						\$115.00
3579	G	95			Yellow Extension Cord-100 Ft/110 Volt						\$115.00
3580	G	95			Yellow Extension Cord-100 Ft/110 Volt						\$115.00
		94	7/28/2008		Chair, Black Vinyl Draft		Staples				\$119.00
		94	7/28/2008		Chair, Black Vinyl Draft		Staples				\$119.00
3819	G	83	5/15/2001		Matte White Projection Screen 50x50		F-11 Photo Supplies				\$130.00
2294	G	94	1996		Exec. Chair with Arms - Blue		Staples				\$145.00
4335	G	90	4/5/2005		Fax-Brother 2440C		Staples		U61086M4F360182		\$149.98
4446	G		8/16/2007		Chair, Gray, Model 649753		Staples				\$149.99
		76A	5/9/1996		Refrigerator/Abscold	AR366MDIOR			#960201444		\$152.72
3961	G	94	2004-Dec		Pipettor, Eppendorf Research 2-20 ul		Fisher Scientific		4021614		\$162.00
3962	G	94	2004-Dec		Pipettor, Eppendorf Research 10-100 ul		Fisher Scientific		3914304		\$162.00

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3963	G	94	2004-Dec		Pipettor, Eppendorf Research 20-2000 ul	Fisher Scientific	3917084		\$162.00
4367	G	88	8/14/2006		Fax, Brother, Intellifax 2820	Staples	U61325F6J135274		\$179.98
4348	G	95	21-Nov		Conductivity Meter Con5/TDS 5	Weber Scientific	252710		\$180.00
4429	G	73	6/27/2007		Pipettor, Eppendorf Research 20ul	Fisher	4794976		\$181.50
4428	G	73	6/27/2007		Pipettor, Eppendorf Research 200ul	Fisher	4955136		\$181.50
4430	G	73	6/27/2007		Pipettor, Eppendorf Research 1000ul	Fisher	11692917		\$181.50
3785	G	94	0/0/1996		Pipet Aids XP	Fisher Scientific	58818		\$184.80
3469	G	77	Dec-95		File Cabinet/4 Drawer-Hon/letter (Putty)				\$185.00
3470	G	77	Dec-95		File Cabinet/4 Drawer-Hon/letter (Putty)				\$185.00
3471	G	77	Dec-95		File Cabinet/4 Drawer-Hon/letter (Putty)				\$185.00
3472	G	77	Dec-95		File Cabinet/4 Drawer-Hon/letter (Putty)				\$185.00
3473	G	77	Dec-95		File Cabinet/4 Drawer-Hon/letter (Putty)				\$185.00
3513	G	97	Dec-95		File Cabinet, Hon 4 Drawer - Letter (Putty)				\$185.00
3514	G	97	Dec-95		File Cabinet, Hon 4 Drawer - Letter (Putty)				\$185.00
3515	G	97	Dec-95		File Cabinet, Hon 4 Drawer - Letter (Putty)				\$185.00
3803	G	94	Sep-03		Rapid Charge Stand EPD-Plus	Rainin	2402		\$185.00
4444	G	73	Jun-07		Chair, Burgundy, Model BC41	Terrels Office	SO#170715459		\$185.00
		94	Jul-07		Printer B4400	IT	N22105A		\$185.00
4397	G	73	Jun-06		Pipettor, Eppendorf	Fisher Scientific	7030		\$189.00
4433	G	87			Printer, OKI B4400	OKI	N22105A		\$200.00
3781	G	94	1/6/1999		Pipettor, eppendorf Reference 10-100 ul	Fisher Scientific	318947		\$209.30
3782	G	94	1/6/1999		Pipettor, Eppendorf Reference 10-100 ul	Fisher Scientific	140236		\$209.30
4416	G	94	1/6/1999		Pipettor, Eppendorf Reference 100 ul	Fisher Scientific	296335		\$209.30
4417	G	94	6/25/2007		Rapid Charge Stand	Rainin	2707		\$209.30
4420	G	94	4/14/2005		Card Test Rocker	Fed Warehouse			\$245.00
4398	G	73	Jun-06		Pipettor, Eppendorf Research	Fisher Scientific	2503893		\$248.92
4399	G	73	Jun-06		Pipettor, Eppendorf Research 100-1000ul	Fisher Scientific	2606193		\$248.92
4400	G	73	9/21/2006		Pipettor, Eppendorf Reference 2-20ul	Fisher Scientific	3550205		\$248.92
4401	G	73	9/20/2006		Pipettor, Eppendorf Reference 10-100ul	Fisher Scientific	4558715		\$248.92
4338	G	94	9/9/2005		Maxi Mix II	Fisher Scientific	#1254050677404		\$251.20
3619	G	94	2001		Pipette, Finn MCP 8 Channel	Fisher	S04116		\$270.41
3783	G	94	1/8/2003		Finnpipette MCP 8 Channel 5-50 microliter	Fisher Scientific	T11784		\$270.41
3786	G	94	0/0/1997		Pipet Aids XP	Fisher Scientific	38729		\$280.00
4412	G	94	1991		Pipettor, Eppendorf Repeater 4780	Fisher Scientific			\$300.00
4413	G	94	1991		Pipettor, Eppendorf Repeater 4780	Fisher Scientific			\$300.00
4414	G	94	1991		Pipettor, Eppendorf Repeater 4780	Fisher Scientific			\$300.00
4415	G	94	1991		Pipettor, Eppendorf Repeater 4780	Fisher Scientific			\$300.00
4443	G	83MM	Jul-07		Monitor, Dell Flat Screen	Dell	CN-0CC352-6418D-630-40WL		\$300.00
		83			Lens - 20X/0.40 N PLAN				\$300.00
		73	8/27/2008		Pipettor, Eppendorf Research 20-200 µl	Thermofisher	1611498		\$301.00

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		73	8/27/2008		Pipettor, Eppendorf Reaearch 20-200 µl	Thermofisher	1611268		\$301.00
4393	G	73	3/3/2007		Mini Vortexer	Fisher Scientific	4376		\$308.30
4394	G	73	Jun-06		Mini Vortexer	Fisher Scientific	70123042		\$308.30
4423	G	84	9/9/2003		Mini Centrifuge Labnet C1200	Fisher			\$325.00
4387	G	73	3/1/2007		Mini Centrifuge	Fisher Scientific	61213469		\$325.00
4427	G	73	6/12/2007		Stool, Gray	Fisher			\$336.93
4386	G	73	3/25/2007		Freezer, Frigidair	Boz. TV & Appliance	WB70925327		\$349.99
4431	G	84	9/9/2003		Power Pack Model FB300	Fisher	307N0094		\$351.44
3780	G	94	9/24/2002		Water Bath, Economy 5 Ltr. 120V	Fisher Scientific	207N0307		\$380.31
4349	G	94	1/13/2006		Hot Plate, Stir, Ceramic	Fisher Scientific	502N0396		\$397.10
3823	G	94	Sep-03		Pipettor, Ovation P-0100	Phenix Research	106419		\$399.00
3824	G	94	Sep-03		Pipettor, Ovation P-0200	Phenix Research	106577		\$399.00
252	G	94			Vacuum Pump	GAST	5KH32EG550AT		\$400.00
3454	G	94	1996		Vacuum Pump, Model #G8EXC	GAST	SA55JXGTD4144		\$400.00
4424	G	84	Sep-03		Electrophoresis System FBSB1316	Fisher	185296		\$402.56
4463	G	73	10/4/2007		Pipettor, Rainin EDP A	Rainin	G079799IE		\$425.00
4435	G	96	Jun-05		Water Bath/Model 135	Fisher	408NO165		\$450.00
3787	G	94	8/16/2001		Pipette, EDP Plus Electronic 2500 ul	Rainin	J01124		\$465.00
3788	G	94	0/0/1998		Pipette, EDP Plus Electronic 1000 ul	Rainin	G82938		\$465.00
3789	G	94	0/0/1998		Pipette, EDP Plus Electronic 250 ul	Rainin	H00934		\$465.00
3790	G	94	2001		Pipette, EDP Plus Electronic 1000 ul	Rainin	D60845		\$465.00
3791	G	94	2001		Pipette, EDP Plus Electronic 250 ul	Rainin	J21657		\$465.00
3919	G	95	Dec-97		Pipettor/Electronic SOO3678	3M Products	R73277		\$475.00
4432	G	95	7/23/2007		Pipettor/Electronic 7020684	3M Products	6088734		\$475.00
3920	G	95	Dec-00		Pipettor/Electronic SRO4521	3M Products	YR02770		\$475.00
3820	B	90	Dec-02		Waterbath ISOTEMP 110	Fisher Scientific	211N0491		\$478.00
4368	G	100	Sep-06		Work Station-Sauder Model#1031	Staples			\$480.00
242	G	81	5/24/1996		14 ft Metal ladder				\$482.25
4473	G	94	8-Oct		Computer, Compaque HP	HP	2UA8370KHB		\$489.00
4488	G	87	8-Oct		Computer, Compaque HP	HP	2UA8370KH9		\$489.00
3801	G	94	Sep-03		Pipette, EDP Plus Electronic 1-10 ml	Rainin	C30254		\$495.00
1977	G	94			Refrigerator, Magic Chef Frost Free		10027216KW		\$500.00
3453	G	75	1995		Milton Roy spectronic 20D Model #333175	Milton Roy	#3327081009		\$500.00
3542	G	94	Apr-02		Thermo Spectronic 20D+ Model #333183	ThermoSpectronic	3DUE05702		\$500.00
4392	G	73	10/20/2006		96 Well Magnetic Ring Stand	Ambion			\$500.00
4468	G	73			Pipettor EDP3 Electronic	Rainin	L07683678		\$500.00
4469	G	73			Electrophoresis System FBSB1316	Thermofisher	234717		\$513.71
		77	20-Feb		Chairs Black 3		CA-27270(TW)		\$537.00
3464	G	77	Dec-95		File/4Drawer Lateral - Hon (Putty)				\$550.00
3465	G	77	Dec-95		File/4Drawer Lateral - Hon (Putty)				\$550.00

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4425	G	73	9/9/2003		Camera, Polaroid		Fisher		FB-PDC-34		\$569.77
2140	G	77			550 Phillips Transcription 500 System						\$579.00
4472	G	90	9/19/2008		Waterbath, Economy		Fisher Scientific		1601080565474		\$590.79
3821	G	94	Jan-04		2000 Imprinter		Claritus		2000133899		\$599.79
		88	Dec-06		Leica 100X N PLAN 100x/1.25 OIL				506158		\$600.00
4408	G	83	4/16/2007		Monitor, Ultrasharp 2407FP		Dell		MX-OCC302-46634-73T-1945		\$627.71
4384	G	94	3/15/2007		Clinical Rotator		Fisher Scientific		#1870061205387		\$601.24
3804	G	94	Sep-03		Water Bath, 10 L Economy		Fisher Scientific		308N0342		\$649.93
		84	5/20/2009		Freezer, Frigidaire FFUZIF5HNB		Boz TV Appliance		WB83859323		\$649.99
3808	G	101	Sep-03		Refrig/Whirlpool ET1FTKXKT BT		Vanns		EP5038065		\$650.00
3935	G	83MM	Dec-95		File Cabinet, 5 Drawer Lateral - Hon (Putty)						\$650.00
3936	G	83JM	Dec-95		5 Drawer Lateral File-Hon (Putty)						\$650.00
4462	G	94	3/31/2008		Water Bath, 20 L		Thermo Fisher		160708231007		\$656.00
4434	G	96	Jun-05		Incubator/Thermolyne				42000217		\$700.00
4493	G	94	10/8/2008		Rotator, VAI 2342		NVSL		990607D		\$750.00
4494	G	94	10/8/2008		Rotator, VAI 2342		NVSL		970307X		\$750.00
4419	G	94	6/25/2007		Pipette, Multichannel Electronic		Rainin		B0727837E		\$795.00
4418	G	94	6/25/2007		Pipette, Multichannel Electronic		Rainin		B0727857E		\$795.00
		83	2007		Lens - 5X/0.15 HCX PL FLYDTAR						\$805.00
3802	G	94	Sep-03		Pipette, EDP Plus Elec 8-Ch 10-250 ul		Rainin		E30015		\$895.00
4436	G	77	2005		Computer, IBM ThinkCenter -Janet		IBM		LKFWN7N		\$900.00
4437	G	77	2005		Computer, IBM Think Center-Michelle		IBM		LKFWP2H		\$900.00
4438	G	77	2005		Computer, IBM ThinkCenter - Cathy		IBM		LKFWP4M		\$900.00
4439	G	78	2005		Computer, IBM ThinkCentre		IBM		LPDKMC2		\$900.00
4445	G	96	2005		Computer, IBM Think Centre		IBM		LKFWP4L		\$900.00
4440	G	88	6/27/2005		Computer, IBM ThinkCentre		IBM		LBDKNK0		\$900.00
4442	G	83MM	7-Jul		Computer, Dell Desk Top		Dell		809M881		\$900.00
4385	G	73	3/14/2007		Lab Line 96 Well Plate Shaker		Fisher Scientific		#1472070234235		\$921.00
3416	G	95	11/21/1996		Oven/Precision		Fisher		#696101140		\$949.45
3784	G	94	6/13/1997		Impacet 8 Channel Pipettor 15-1250		Matrix Technologies		713272		\$995.00
4491	G	83JM	8-Oct		Computer/HP		HP		CNU8330G9G		\$999.00
4496	G	94	10/8/2008		Computer, Laptop		NVSL		DT7JG31		\$1,000.00
3805	G	73	Oct-03		Ice Maker 60#		J&C Rest. Supply		E30102117-Z		\$1,053.00
4467	G	95	7/8/2008		Water Bath/Techne/Circulating		Weber Scientific		156198-15		\$1,060.40
4422	G	73	9/9/2003		Transilluminator 88A		Fisher		308N0075		\$1,063.00
1922	G	90			Pipettor/Impact 8 Channel-125				511767		\$1,065.00
3540	G	90	Mar-02		Pipettor/Impace Matrix 8 Channel		Apogent Discoveries		210617		\$1,065.00
3452	G	75			Water Bath, Precision Model #5122-1058				#699121725		\$1,100.00
3538	G	87	Feb-02		CO2 Analyzer Model #2820				GN8976		\$1,162.78
1923	G	90			Pipettor/Impact 8 Channel-85				521279		\$1,280.00

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3539	G	90	Mar-02		Pipettor/Impact Matrix 12 Channel	Apogent Discoverie	123889		\$1,280.00
3922	G	95	10/17/1994		Balance, Mettler AB104		#1113273215		\$1,406.25
4391	G	83MM	3/28/2007		Camera System, Nikon D-100	Boz Camera Repair	2157623		\$1,493.94
4421	G	73	7/3/2007		Air Clean 600 PCR Workstation	Bio Express	AC632DB-3234		\$1,595.00
3779	G	73	6/30/2003		Dell Laptop Model #PP01L	Dell LBL	P/N 6P326A02		\$1,600.00
4389	G	73	3/2/2007		Pipettor - 12 Channel Impact 2, 850	Matrix Technologies	128333001		\$1,600.00
4390	G	73	3/2/2007		Pipettor - 12 Channel Impact 2, 250ul	Matrix Technologies	128334007		\$1,600.00
4407	G	87			Pipettor, Biolog Impact II, 1250ul	Biolog	100928101		\$1,600.00
		83	2007		Lens - 1.6 HCX PL FLYDTAR				\$1,633.00
4402	G	73	Mar-07		Computer, Dell Desk Top	Dell	1Y5HLC1		\$1,632.86
4460	G	95	10/31/2007		Centrifuge, Gerber/Micro II	Weber Scientific	642211		\$1,666.00
4402A	G	73	Mar-07		Computer, Dell Monitor - Flat Screen	Dell	CN-OY9833-71618-6B5-AFHF		
4464	G	96	5/21/2008		Rotary Microtome, Jung Model 620	Lehman Scientific	125809		\$1,995.00
4021A		73	4/22/2008		Grinding Jar Set	Qiagen			\$1,750.00
4495	G	94	10/8/2008		Reader, ELx 808	NVSL	183699		\$2,000.00
4497	G	95	10/28/2008		Balance, Mettler	Fisher Scientific	1129333980		\$2,244.82
4466	G	73	Jul-08		Water Sts. Barnstead Diamond RO	Nothwest Scientific	1265080504507.00		\$2,770.00
3778	G	90	Jun-03		Incubator, NUAIRE CO2	Cascade Scientific	#84549061803		\$3,396.00
4410	G	83	5/9/2007		Camera, Leica DFC290 R2 Digital & Lens	Bartels & Stout Inc.	221401407		\$3,873.00
3441	G	94	2000		Plate washer-Tecan #M8/2R	Tecan	6010525		\$4,500.00
3776	G	90			Tecan Columbus Strip Washer	Phenix Research	6012167		\$4,500.00
3775	G	90			Sunrise - O.D. Reader	Phenix Research	393200123		\$4,714.00
4406	G	73	4/23/2007		Centrifuge 5415R Eppendorf	Northwest Scientific	5426#0018625		4,900.00
4022	G	73	Jun-05		Water System, Nanopure Model #D11931	Nothwest Scientific	#1370080402945		\$5,220.00
3995	B	95	9/14/2004		Cryoscope/Advanced Instruments	Fisher Scientific	04080719W		\$5,285.00
4426	G	84	6/19/2007		Geneamp PCR System 9700	Fisher	805S6120562		\$5,865.00
		94	6/31/2009		Centrifuge, Sorval ST40	Thermo Fisher	40972565		\$6,450.00
4020	B	94	4/25/2008		Centrifuge, Sorvall	Thermo Fisher	40826724		\$6,222.41
4004	B	77	9/6/2006		Ricoh Aficio 3045/Copier	Davis Business	K9465501638		\$7,549.00
3996	B	96	12/22/2004		Histocentre 3/Imbedding	Thermo electron	#1293031152142		\$7,788.50
4010	B	73	4/23/2007		Biosafety Cabinet Class II	Northwest Scientific	70469067		\$8,000.00
4021	B	73	4/22/2008		TissueLyser 2	Qiagen	128210201		\$10,301.00
4023	G	96	7/9/2008		Rotary Microtome, HM355S	Thermo Fisher	35658		\$11,000.00
4404	G	100	3/28/2007		Server		#570251016937		\$15,000.00
1973	B	95	Sep-94		Charm II 6600 System	Charm Sciences	269		\$17,500.00
3628	B	90			Cryostat-Leica CM-1850-w/Knife System		47131148		\$18,000.00
3990	B	81	Mar-03		Biological Safety Cabinet	Nuaire Inc.	#82490022403		\$20,000.00
3991	B	88			Immulite One Analyzer	Diagnostic Products	L4892		\$28,350.00
3980	B	73	Jul-03		Autoclave, Consolidated Sterilizer SSR-3A-MC		100202		\$32,988.00
3978	B	84	6/30/2003		Smart Cycler II TD System #SC1000-2	Cepheid	200408		\$34,000.00

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4024	B	73	8/13/2008		Thermo Cycler 7500 Fast		Applied Biosystems	270511659		\$36,900.00
4024B	G	73	8/13/2008		Laptop/Dell Computer/7500 Fast		Applied Biosystems	B9k7701		
3983	B	95	Sep-03		SomaScope-MK2			SR607607		\$38,000.00
3979	B	73	Jul-03		Autoclave, Consolidated Sterilizer SSR-24BMC			71103		\$41,266.00
2174	B	95			Milkoscan FT 120			1699-31-04		\$47,000.00
3443	B	94	2000		Ultra Microplate Reader - Tecan		Tecan	#12901000106		\$85,000.00
		88	5/2/2005		Chemistry Analyzer Dimension Xpand plus		Dade	#2004070120		lease
		88	5/2/2005		Water System, Millipore AFS-3D		Dade	F5BN13941B		lease
		77	Jun-09		Copier, Kyocera KM2560			QAS8902892		lease
75	B	87			Microscope, AO					
					Objectives: 5X					
					10 X					
					43 X					
76	B	95			Incubator/Thelco			6-G-3		
82	B	87			Microscope					
83	B	95			Centrifuge/Type M56A, Gerber/Model #3562					
84	B	75			Spectrophometer					
87	B	87			Cenrifuge, Lourdes 8 place head			60575A		
94	B	95			Balance, Mettler H18			11263-011		
98	B	87			Microscope FA Zeiss					
					Objectives: 10 X NEOFLOUR					
					40 X NEOFLOUR					
					25 X NEOFLOUR					
					10 X UM					
107	B	87			International Centrifuge			605754		
122	B				Air Conditionaing Unit-Roof Top					
123	B	87			Incubator, V.I.P. CO2					
124	B	100			Air Conditioning					
124	B	101			1 Air Conditionaing					
128	B	95			Balance Model DH-2A					
130	B	87			Microscope, Bausch & Lomb Model BV1070			124245		
					40X PLAN ACHRO					
					100X PLAN OIL					
					4X PLAN ACHRO					
					10X PLAN ACHRO					
209	B	95			Microscope/AO model #XL10TU-FW					
216	B	87			Microscope, Zeiss			O42808		
					Objectives: 6.3X					
					16X					
					40 X					

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## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

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					100 X								
221	B	87			Microscope/Zeiss								
					Objectives	2.5 X							
						6.3 X							
						16 X							
						40 X							
224	B	83			Camera/Olympus 35mm								
258	B	95			Fume Hood/Labconco ZZMFG					47705-04			
266	B	96			AO Microtome 820 Rotary					67120			
267	B	94			Air Conditioner-Carrier Model 51HK330-3								
269	B	96			Tissue Tek 111 Tissue embedding System					74104236			
299	B	95			Pipetting Machine, Model 40-SS					163			
306	B	87			Biological Safety Cabinet CCI/1160					16566			
308	B	90			Hood, Laminar					NBB274			
320	B	90			Refrigerator/Freezer					VRW#55700-089			
340	B	95			Refrigerator/Admiral - white					31140550			
341	B	96			Lab Bench Cabinet, 2 Door, Under Counter								
348	B	87			Incubator Model 1920					42-15			
351	B	95			Air Conditioner/Carrier Model 51HK3303								
383	B	95			Conductivity Meter/Model 152					762			
404	B	95			Microscope, Zeiss					4756212			
					100/1.25X OIL								
					2.5X PLAN								
					2.5X PLAN								
					6.3X PLAN								
					1.6X PLAN								
450	B	88			Air Conditioner Model #51HKB230-3								
461	B	87			Power Supply for Microscope #98					11203			
493	B	95			Photomicrographis System #79402 Nikon					7866768			
499	B	95			Pneumotive Air Compressor								
563	B	88			Water Bath, Fisher								
564	B	88			Refractometer VRL #1010								
					Objectives: 4 X								
						10 X							
						20 X							
						40 X							
						100 X							
567	B	84			Microscope, AO Model DXHII					124243			
					Objectives: 4 X								
						10 X							





## Appendix F

## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

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125	G	87		Air Conditioning						
152	G	100		File Cabnet, Gray						
154	G	87		Desk Light						
162	G	81		Storage Cabinet - Gray						
167	G	87		Micrometer 12.5x eyepiece						
168	G	95		Incubator/Aloe w/cabinet & 1 door				18377		
169	G	90		Incubator - Precision				4-0-3		
174	G	95		Weights/Class S Arthur Thomas						
176	G	73		Range, 6 Burner - Vulcan Model E-36F				8374323		
179	G	78A		Stool, Stainless Steel						
185	G	73		Stainless Steel Cart -2 each						
188	G	87		Chair - Gray						
192	G	87		Table, Microscope						
194	G	87		Table 2 dwr. W/black top						
195	G	87		Table, Work Bench						
196	G	87		Table, Work Bench						
197	G	87		Table w/black top						
199	G	78		Rabies Rack, 4-Shelves	Virology					
202	G	88		Filing Cabinet for Slides - 2 pieces						
207	G	77		Chair/Steel Gray metal chair w/leather seat and back						
208	G			Camera						
213	G	87		Table wood, gray w/black top						
217	G	97		Table, wood/black top						
218	G	81		Cart/Stainless Steel (3)						
218	G	73		Stainless Steel Cart - 10 each						
219	G	81		Saw/Stryker Autopsy						
220	G	95		Spencer-Quebec Colony Counter (2)						
223	G	81		Clipper, Oster Model 2						
224	G	78		Green Dolly						
225	G	95		Water Bath/Precision				10-S-8		
227	G	78		Engravers, Burgess, Vibro, Model U-73						
231	G	87		Microburner						
240	G	94		Microscope Lamp				651		
243	G	87		File Cabinets, Four Drawer (two)						
243	G	90		File Cabinet, 4 Drawer						
244	G	78		Desk - Secretarial						
245	G	87		Desk, Executive						
247	G	81		Butcher Block/Wood/rollers						
253	G	75		Water Bath/Precision Thelco				13-Z-4		
256	G	87		Rota Torque Rotator & Attachments						

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## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

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259	G	95		Weight/Precision (Voland)				4751		
261	G	97		Table, Microscope/Gray						
262	G	87		Table, Folding 5' x 30"						
264	G	78		Cart/Stainless Steel						
265	G	95		Stainless Steel Cart - 2 each						
275	G	95		File Cabinet - Gray						
281	G	96		Chair black						
289	G	87		Chair/Gray (3) each						
296	G	96		Stool						
390	G	87		Labconco Storage Cabinet, walk in cooler						
454	G	95		Speed Air Compressor/Model 3Z-323-B						
566	G	78A		Refrigerator/Kenmore				S90434128		
600	G	96		Refrigerator, Kalvinator/Almond						
601	G	96		Microwave Oven,				126065		
605	G	96		Fume Hood, Hyperclean 2						
606	G	96		Fume Hood, Hyperclean 1 Bench Model						
643	G	77		Paper basket/Steel Gray (3)						
648	G	77		Paper stacking tray/3 tier steel gray metal						
773	G	90		Desk-Gray 3 Drawer						
775	G	87		Balance, Havard Trip						
776	G	95		Water Bath/Thelco - Model 83				13AC-S		
780	G	87		Desk Top Organizer						
781	G	87		Bausch & Lomb power						
781	G	97		Book shelf/tan						
782	G	87		File Cabnets, Four Drawer						
829	G	95		Hamilton Beach Blender						
851	G	81		Saw?Wellsaw 404-16 Meat						
926	G	81		Metal 5 shelf rack/slide outs/roller - Wahman						
974	G	81		Esisharp Model SK100	Anteroom					
988	G	73		Balance, Hansen Trip - Scale						
1006	G	77	7/5/2005	Plastic Printer Tray	smoke					
1010	G	101		Table- Brown					Ft Smith Furniture Co	
1010	G2	101		Table- Brown					Ft Smith Furniture Co	
1010	G3	101		Table- Brown					Ft Smith Furniture Co	
1010	G4	101		Table- Brown					Ft Smith Furniture Co	
1070	G	96		Safety Cabinet #E-2455						
1071	G	96		Security Cabinet #2650						
1109	G	77		Paper stacking tray/3 tier steel gray metal						
1110	G	77		Paper stacking tray/3 tier steel gray metal						
1140	G	87		Table, Brown/Computer						

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## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

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1146	G	77		Copier Stand, White metal-2 doors				
1161	G	100		Desk, Computer				
1162	G	83		Table/Metal Computer				
1163	G	77		Table, Typing				
1188	G	77		Mobile Computer Cart				
1278	G	78		Computer Work Station - Oak				
1316	G	95		Water Bath/Precision Model 186			10A2-7	
1317	G	97		Chair, #4978 Executive High Back - Smoke				
1318	G	83JM		Chair/Executive High Back-smoke				
1319	G	97		Chair, #4978 Executive High Back - Smoke				
1325	G	97		Pioneer 1d-v4200 Laserdisc PL			KK39114	
1328	G	100		Television/Color Quasar SP-2040 EE 29"				
1329	G	100		Advanced Adjustable Cart PIX Mobile				
1346	G	96		Slide File Cabinet				
1347	G	96		Slide File Cabinet - 2 each				
1640	G	100		Sentry Media Fire Safe Model 1710			E605690	
1683	G	97		400 APC-UPS				
1748	G	100		Smart Label Printer PRO			P913467634	
1820	G	78		Chair/Secretary Smoke				
1821	G	83		Chair/Secretary Blue (2) each				
1821	G	83MM		Chair, Secretary/Blue				
1821	G	78		Chair/Secretary Smoke				
1864	G	77		Chair - Task Blue				
1865	G	95		Chair - Task Blue				
1866	G	95		Chair - Mauve				
1868	G	73		Chair - Mauve				
1870	G	88		Chair Tusk Mauve				
1871	G	90		Chair - Task Blue				
1917	G	96		APC Back-UPS 400			T5925138462	
1975	G	75		Timer Timeswitch 115V AC 60HZ				
1998	G	87		Table, Short Black/Top for V.I.P.				
2002	G	88		File Cabinet, 4 Drawer				
2003	G	88		Desk - Gray 4 Drawers				
2004	G	88		Chair gray w/arms				
2005	G	88		Chair-gray				
2006	G	88		Microscope Table				
2008	G	73		Balance, Havard Trip				
2009	G	73		Pipette Washer, Boekel, automatic				
2011	G	78		Table - Gray Top				
2013	G	87		Pressure regulator - 2 stage			1176(B-8477)	



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## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

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2135	G	77		Phillips Transcription System 710				
2141	G	77		Phillips Transcription System 720 #4471				
2147	G	81		Table/Steel Adjustable Instrument				
2149	G	81		Table/Steel Adjustable Instrument				
2150	G	81		Wall Mounted Table w/backsplach & Drawer				
2151	G	77		Steel Locking Key Cabinet				
2152	G	101		Chair/United Stacking - Brown/armless				
2152	G10	101		Chair/United Stacking - Brown/armless				
2152	G11	101		Chair/United Stacking - Brown/armless				
2152	G12	101		Chair/United Stacking - Brown/armless				
2152	G13	101		Chair/United Stacking - Brown/armless				
2152	G14	101		Chair/United Stacking - Brown/armless				
2152	G15	101		Chair/United Stacking - Brown/armless				
2152	G16	101		Chair/United Stacking - Brown/armless				
2152	G17	101		Chair/United Stacking - Brown/armless				
2152	G18	101		Chair/United Stacking - Brown/armless				
2152	G19	101		Chair/United Stacking - Brown/armless				
2152	G2	101		Chair/United Stacking - Brown/armless				
2152	G3	101		Chair/United Stacking - Brown/armless				
2152	G4	101		Chair/United Stacking - Brown/armless				
2152	G6	101		Chair/United Stacking - Brown/armless				
2152	G7	101		Chair/United Stacking - Brown/armless				
2152	G8	101		Chair/United Stacking - Brown/armless				
2152	G9	101		Chair/United Stacking - Brown/armless				
2152	G5	101		Chair/United Stacking - Brown/armless				
2165	G	73		Printer, HP Deskjet 600C			SG65FIJ027	
2174	G2	95		ONAC Back-Up Model ON900A			9627-5637	
2182	G	100		Computer, IBM PC 330/6577-79T			23YDDBB	
2216	G	90		Refrigerator/Woods 17 CuFt			05053171KC	
2227	G	95		Incubator/Precision Model 25E - 115V 2.5 CuFt			9506-102	
2270	G	73		Range, Hotpoint				
2297	G	73		Chair - Multi-Adj, task blue				
2327	G	87		IBM Monitor P70				
2342	G	78		Computer/IBM 300 GL System Unit w?CDROM				
2383	G	100		VCR, 4 Head				
2395	G	100		Printer, HP Deskjet 670C			US826ISODN	
2414	G	73		Computer, IBM PC 300 GL			23GNZ55	
2446	G	77		Wide Shelf (Putty)				
2529	G	77		Printer/HP Laser Jet 4000				
2575	G	100		Computer, IBM 300GL				

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## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

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2584	G	73		Monitor, IBM					23-20088
2620	G	88		Microscope - Leica	with 2nd Head and Extension				202423
				Leica 10X N PLAN	10X/0.25				506084
				Leica 40X N PLAN	40X/0.65				506097
				Leica 50X N PLAN	50X/0.90 OIL				506085
				Leica 100X N PLAN	100x1.25 OIL				506086
2621	G	83		Microscope/Lieca/Clinical Pathology					202461
		83		Lens - 40X					
		83		Lens - 50X/0.90 OIL N PLAN					
2635	G	78		Printer/Turbo Okidata ML 391					810B2005793
2638	G	77		Printer/Okidata ML 590					
2647	G	77		APC Back-UPS 500M					
2701	G	77		Computer/ 300 GL IBM					
2704	G	77		Printer, Okidata ML 390 Turbo					812B2022339
2706	G	95		Iomega Zip Drive					P4AW2842RM
3247	G	100		APC Smart-UPS 1000VA					
3248	G	96		Printer, HP Deskjet 840C					CN04FIM22D
3249	G	83MM		Printer, HP Deskjet 840C					
3250	G	94		Printer, HP DeskJet 840C					CN0721R14F
3296	G	77		Electronic Stapler Max Model #EH50F					
3303	G	100		Computer, IBM NetVista					23VPARG
3304	G	96		Computer/IBM NetVist 6578TAU					23VPCGC
3305	G	83MM		Computer, IBM NetVista 6578TAU					23VPCHR
3306	G	77		Computer/NetVista 6570TAU					23VPCWM
3308	G	77		Monitor/IBM 15" Flat Screen					
3309	G	87		Monitor, IBM Flat Screen					
3310	G	96		Monitor, IBM 15" Flat Screen					23-01387
3311	G	77		Monitor/IBM 15" Flat Screen					
3312	G	77		Monitor/IBM 15" Flat Screen					23-01408
3314	G	95		Computer/NetVista 6578RAU					78-3AX5K
3315	G	77		Computer/NetVista 6578RAU					78-3AX7B
3316	G	100		Computer, IBM NetVista					78-3RZ5P
3343	G	100		400 APC-UPS					
3344	G	77		APC-UPS Backup 500					
3345	G	78		APC Back-UPS 500VA					PR0025113697
3346	G	87		APC-Back-UPS 650					
3347	G	94		APC Back-UPS 500VA					PB0025113464
3348	G	88		APC Back-UPS 500VA					
3352	G	88		Monitor, IBM 9511-AG4 Flat Screen					66-F8755
3367	G	100		HP Scanjet 5490CYI Scanner					CN15T1IOPW



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## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

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3460	G	77		File/ 3 drawer Roll-Around (Putty)	Part-time's desk				
3461	G	77		File/ 3 drawer Roll-Around (Putty)	Janets desk				
3462	G	77		File/3 drawer Roll-Around (Putty)	Vickie-front desk				
3463	G	77		File/Lateral 2 Drawer Side by Side					
3466	G	77		7 Panel Double Work Station-Mauve					
3467	G	77		Chair/Arm-Gray					
3468	G	77		Canon 6030 Copier			ZNP65504		
3474	G	77		Counter, Front Office - Burgundy					
3476	G	77		Typewriter - IBM Wheelwriter 2000					
3477	G	77		Phone Answering Machine-TAD723			6036971		
3478	G	77		Chair/Arm-Gray					
3479	G	78		Sharp Copier - SF-2514			86503724		
3480	G	78		Metal Shelving-Gray					
3481	G	78		Metal Shelving-Gray					
3482	G	78		Metal Shelving-Gray					
3483	G	78		Metal Shelving-Gray					
3485	G	78		Sink-Stainless Steel					
3486	G	78		Fume Hood-Stainless Steel					
3487	G	78		Workbench-Wood Top					
3488	G	78		Workbench-Wood Top w/Riser					
3489	G	78		Workbench-Wood Top w/Riser					
3491	G	78		Biohazard Waste Basket w/Top-White					
3493	G	81		Hotsy Pressure Washer-Model #E550B			C34528-0895		
3494	G	81		Freezer/Woods Chest			J707743		
3495	G	81		Cap Gun-Cash					
3496	G	81		Multi-Oil Stone-Norton Model #IM-313					
3497	G	81		Tool Box/16" Red-All American					
3498	G	81		Metal Shelving-Gray					
3499	G	81		Electric Sharping Machine-KascoCorp-Model B					
3500	G	81		Wire Storage Cage					
3502	G	81		Table/Stainless Steel w/Drains					
3503	G	81		Tool Rack/Stainless Steel					
3504	G	81		Tool Rack/Stainless Steel					
3505	G	81		Tool Chest w/Casters-White/Red					
3506	G	81		Tool Chest w/Casters-White					
3508	G	78A		Fume Hood-Stainless Steel					
3509	G	78A		Sink/Counter-Stainless Steel					
3510	G	78A		Refrigerator-Whirlpool/White	(389B Tag also)		E33521532		
3511	G	78A		Plastic Shelving/4 Tier					
3541	G	73	Apr-02	NAPCO Mechanical Oven Model #130DM			#602031621		

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## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

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3549	G	90		Microscope/Zeiss Inverted				663088	
		90		Objectives: 5X CP Achromat					
		90		10X CP Achromat PH 1					
		90		20X LD Achrostat PH 1					
		90		32X LD A-Plan PH 1					
3552	G	90		Freezer, Minus 20 Degree - Upright				W200823897	
3553	G	90		Centrifuge/Marathon - Model #3000				64590244	
3556	G	90		Stirring Hot Plate				70601916	
3557	G	90		Stomacher-Model #BA-7020				32922	
3559	G	90		Card Test Rotator				743192	
3561	G	90		Chair - High Back Stool - Gray					
3562	G	90		Chair - High Back Stool - Gray					
3563	G	90		Chair - High Back Stool - Mauve					
3564	G	77		Chair/ Gray w/back					
3565	G	90		Chair - High Back - Black					
3566	G	90		Chair - High Back - Black					
3567	G	90		Black Extension Cord - 100 FT/220 Volt					
3570	G	87		Yellow Extension Cord-100 ft/110 Volt					
3571	G	87		Yellow Extension Cord-25 ft/110 Volt					
3572	G	87		Yellow Extension Cord-100 ft/110 Volt					
3573	G	87		Yellow Extension Cord-25 ft/110 Volt					
3574	G	88		Yellow Extension Cord -100 FT/110 Volt					
3575	G	88		Yellow Extension Cord -100 FT/110 Volt					
3576	G	88		Yellow Extension Cord -100 FT/110 Volt					
3577	G	88		Yellow Extension Cord -100 FT/110 Volt					
3578	G	88		Yellow Extension Cord -100 FT/110 Volt					
3581	G	75		Black Extension Cord-100 Ft/220 Volt					
3582	G	90		Liquid N2 Tank (In Walk-in Cooler)				506-041-H7	
3583	G	90		Liquid N2 Transport (in Walk-in Cooler)				585-053-HB	
3614	G	77		Phillips Transcription System Model #710					
3615	G	77		Phillips Transcription System Model #710	Storage room				
3616	G	83MM		Phillips Dictation Package-Model #398					
3617	G	77		Phillips Dictation Package-Model #398					
3618	G	97		Phillips Dictation Package-Model #398					
3620	G	88		Refrigerator-Frigidaire Model FRU17B2JW5				WA21000322	
3621	G	81		Table/Mobile Scissor Lift					
3622	G	94		Fax Machine-Canon L2050 Laser				YKM12845	
3633	G	87		Biolog				E11145	
3633A	G	87		Reader, Biolog % Transmittance				2071105	
3707	G	100		Smart-UPS 3000				XS0025003262	

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## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

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3709	G	100			Hard Drive					68-22726		
3710	G	100			42U Rack Storage					23AO737		
3722	G	83JM			Monitor/T541 Flat Screen					2317843		
3725	G	95			Monitor, IBM Flat Screen							
3841	G	87			Monitor, IBM Flat Screen					8846429		
3733	G	100			APEX-Outlook KVM							
3741	G	97			Comuter, IBM NetVista					KA3BKM9		
3743	G	95			Computer, IBM NetVista					KA38K28		
3745	G	87			Computer, IBM Netvista PC					KA3BLA2		
3747	G	83JM			Computer/IBM Net Vista M41					KA3BLB1		
3748	G	94			Computer IBM NetVista							
3757	G	78			Monitor, IBM Flat Screem					2331170		
3761	G	83JM			Backup-UPS 650							
3767	G	95			APC Back-UPS 650VA					PB0207223683		
3769	G	83JM			Printer/Deskjet 845C					TH22J2B08H		
3770	G	97			Printer, HP Deskjet 845C					TH22J2BOJ3		
3771	G	95			Deskjet 845C Printer					TH22J2B0JG		
3772	G	87			Printer, HP Deskjet 845C					TH22J2B0JR		
CB1355	G	90			Printer, HP Deskjet 710					TH22-2B4K9		
3806	G	87			Incubator, CO2 Nuaire					#84849070303		
3807	G	87			Incubator, CO2 Nuaire					#84851070303		
3842	G	88			Monitor, IBM, Cell Dyn							
3889	G	100			InFocus					AJNN42500473		
3897	G	100			IBM Think Pad X40					KV-AD262		
3921	G	95			Balance/Tortion Scale (Butter)					22460		
3923	G	73			Barnstead NANO Pure/Model 08991					#1162000750303		
3924	G	73			Hot Plate/Gyratherm Stirrer					Md58922-054		
3925	G	73			Water Bath, Blue M							
3926	G	78A			Maxi Mix II					#1254011193905		
3927	G	83			Projector/Infocus LP225-Computer					ACN 001 528 954		
3928	G	83			Projector/Kodak Extagraphic III					A 649116		
3929	G	83			Camera Stand							
3931	G	83			APC Back-UPS 500					P80046310929		
3932	G	83			File Cabinet/4 Drawer							
3933	G	83			Table/Wood Microscope							
3934	G	83MM	Dec-95		4 Panel Work Station - Mahogeny							
3937	G	83JM	Dec-95		4 Panel Work Station - Mahagoney							
3938	G	75			Wisper Cool/Air Cooler/Portable (Old Receiveing)					L94062147		
3939	G	75			Maytag Washer				MSU			
3940	G	75			Maytag Dryer				MSU			



## VETERINARY DIAGNOSTIC LABORATORY INVENTORY

		81		Barrels/55 gal plastic - 9					
		81		Barrels/50 gal plastic - 6					
		81		Barrels/55 gal Stainless -3					
		81		Hoist					
		81		Morse Barrel Pully/Blue	anteroom				
		81		Block & Tackel/chain	cage-anteroom				
		81		Screw/lock in place dolly barrel					
		83MM		Bookcase, 3 shelf/Gray					
				Smart Cyclor is shared by Virology & Bacteriology					
		73		Carts, Stainless Steel - 12 each	MSU				
		75		Buckets, Stainless Steel (6)					
		75		Bucket, Lids - Stainless Steel (3)					
		97		Electrical Unit for lap top				75Q-381A	
		97		Electrical Unit for lap top				776-74C4	
		77		Paper cutter - green large					
		76A		Paper stacking tray, gray metal					
		90		Monitor, HP Computer					
		90		Desk Chair, Brown X2	Staples				
298	B			Microscope, Trinoc Head, B&L #BRT3Z1H				13211683	
				Objectives: 10 X					
				40 X					
				100 X OIL					
				4 X					

## Appendix F

VETERINARY DIAGNOSTIC LABORATORY  
STAFF AND SALARY

Name	Total Pay
Clinical Lab Tech-supervisor	20.444946
Clinical Lab. Technologist	19.340764
Clinical Lab Tech-supervisor	23.155983
Media preparation	14.781732
Administrative Asst, Transcr	11.59685
Administrative assistant	13.623353
Clinical Lab Technologist	22.52
Pathologist/Administrator	39.948357
Clinical Lab Tech-supervisor	18.759738
Clinical Lab Tech-supervisor	22.006369
Clinical Lab Technologist	21.855101
Administrative Asst,supervis	13.813281
Pathologist	33.069243
Clinical Lab Technologist	16.439456
Administrative Asst- Transcr	10.662943
Administrative Asst	10.776959
Clinical Lab Tech-supervisor	19.063407
Clinical Lab Technologist	16.498372
Clinical Lab Technologist	16.439456
Clinical Lab Technologist	16.680612
Clinical Lab Technologist	14.92
Clinical Lab Tech-supervisor	15.86

MSU Original *ve*



**Office of Facilities Services**

MSU • Bozeman  
P.O. Box 172760  
Bozeman, MT 59717-2760

<b>Telephones (406)</b>	
Administration	994-2001
Facilities Plan. & Mgmt.	994-4131
Work Control Center	994-2107
Accounting	994-5020
Engineering & Utilities	994-2001
Campus Stores	994-2098
Moter Pool	994-3670
Landscape & Grounds	994-3442
Custodial Services	994-6868
Fax	994-6572

April 19, 2006

Marc Bridges  
Department of Livestock  
PO Box 202001  
Helena, MT 59620-2001

RE: Marsh Lab – MOU  
Montana State University  
Bozeman, MT 59717

Marc,

Enclosed for your review and signature is the final Marsh Lab- Memorandum of Understanding between MSU and the Montana Department of Livestock.

Please sign both of the originals and mail one back to me.

Sincerely,

*Patti S. Yasbek*  
Patti Yasbek

Attachment

**MEMORANDUM of UNDERSTANDING**  
**HADLEIGH MARSH LAB**  
**Montana State University**

This Memorandum of Understanding (MOU) is made and entered into on the date of signature noted herein, by and between Montana State University (MSU) and the Montana Department of Livestock (DOL).

A. Acknowledgements

1. Marsh Lab is a state facility owned by MSU. Marsh Lab was constructed in 1960, funded by a combination of federal grants and state funds approved by the legislature. An addition to Marsh Lab was constructed in 1996, funded by DOL State Special Revenue funds authorized in HB05 by the legislature.
2. Marsh Lab was constructed to house MSU uses and the Dept. of Livestock's Veterinary Diagnostic Laboratory; however, the lack of an occupancy or use agreement has contributed to confusion among the cohabitants regarding issues of space, services and building operations and associated cost distribution.
3. Both MSU and DOL reaffirm the desirability and benefits of having the Veterinary Diagnostic Lab (VDL) located at MSU, and desire to continue their cooperative relationship.
4. Therefore, it is in the best interests for the parties to consummate this MOU to clarify and document commitments, procedures and obligations.

B. Basic Occupancy Provisions

1. Current Space Allocation: The current allocation of space is documented in Exhibit A.
2. Changes in Space Allocation: The parties to this MOU intend to collaborate regarding the use and allocation of space within the building. MSU recognizes that the VDL may have need for additional space and MSU will consider requests from VDL for vacated space in context with MSU and VDL space needs. The MSU Space Management Committee or other current appropriate entity shall be the official venue for space requests.
3. Use of Space: The space allocated to the DOL shall be for the expressed use of the VDL to accommodate its laboratories and offices. Any other use by DOL shall be by mutual agreement between the parties under the provision by which this MOU may be modified.
4. Term of Occupancy by VDL: It is the intent of both parties that the VDL will continue to occupy space in Marsh Lab until VDL no longer requires the space; however, MSU may in the future desire to displace VDL from the facility, in which case MSU and DOL will collaborate to develop a displacement strategy that may include (but not necessarily be limited to) pursuing replacement space through the state's Long Range Building Program or other mutually agreeable strategies.
5. No Assignment: The DOL has no claim to the space in Marsh Lab beyond its own use as noted above, and has no right to assign the space to any other federal, state or private entity. Upon termination of use by DOL, allocation of the previously occupied space will revert to MSU.

6. Care of Premises/Alterations to Premises: While reasonable wear and tear is expected, both parties agree to attempt to avoid activities that will unnecessarily impact maintenance costs by using the facility in a manner appropriate to the intent thereof. All alterations to the facility must comply with MSU's Construction Activities Policy and all applicable statutes.
7. MSU Policies and Procedures: DOL agrees to comply with MSU's Policies and Procedures regarding the general operations and maintenance of the facility, e.g., Building Supervisor procedures, keys policies, construction policies, etc. MSU will work with DOL to minimize/accommodate legitimate conflicts between MSU and DOL policies.
8. Chemical and hazardous waste materials generated on MSU property are collected and disposed by MSU Safety and Risk Management according to the MSU hazardous waste collection policy. VDL shall report all chemical and hazardous waste generated to MSU Safety and Risk Management. Infectious wastes generated by VDL in Marsh Lab will be destroyed or sterilized by an approved means on the premises. If an approved means of destroying or sterilizing (incineration or steam sterilization) is not available on premises these wastes shall also be reported to MSU Safety and Risk Management for collection and disposal.
9. Right to Inspect/Repair: MSU shall have the right to enter into VDL spaces, after reasonable notice at all reasonable times or in an emergency, for the purposes of inspection and/or repair and maintenance of the facility.
10. Compensation: No compensation or "rent" is charged to DOL for the space allocated for their use – only reimbursement as noted in the distribution/assignment of costs section applies.

C. Services/Distribution/Assignment of Physical Plant Costs

1. Non-educational campus entities, such as VDL, are responsible for their share of costs for University-provided centralized services. Centralized services are provided to Marsh Lab and its occupants at the level normally provided to MSU-Supported Facilities. The level of services provided is subject to priorities/budget processes and funding limitations.
  - Centralized services currently provided to Marsh Lab are Mail Services, Custodial Services, Refuse, Building/Heat/Scheduled/Preventative Maintenance, Major Maintenance, Facilities Administration, Property Insurance, Utility System O&M, Safety & Risk Management, and University Police.
  - The Overhead Cost Distribution (OVH) calculates an entity's proportionate share of the centralized services that they receive based on their share (%) of gross square feet occupied, budgeted utilities, waste volume generated, FYE Expenditures and/or FTE. (i.e., the OVH does not represent what is actually spent or will be spent on a particular building or area in any given year.) The OVH is distributed annually by the University Budget Office. See Exhibit B.
  - Since DOL is responsible for securing Comprehensive General Liability and Content insurance, the OVH will only reflect VDL's proportionate share for structure insurance.

- Landscape & Grounds services for Marsh Lab are not distributed through the OVH. This is because the OVH method would result in a disproportionately large amount relative to the actual services provided.
- 2. All campus entities are responsible for their proportionate share of purchased utilities; 100% of any centralized services that are requested beyond that normally provided/assessed by the OVH; and, 100% of non-building/department type services requested (Refer to the Facilities Services Guide for “services normally charged to a requesting college or department”).
  - The University’s monthly auto-bill system is used to bill these services.
  - These services are billed when requested services are provided. Charges reflect a rate per hour worked, supplies used, and/or metered utility consumption.
- 3. VDL’s proportionate share of Marsh Lab’s L&G services are charged through the monthly auto-bill system. Mowing and watering are pre-authorized, other desired services are to be approved by Facilities Services and VDL and a funding commitment(s) must be secured.
  - The Marsh Lab parking areas are not currently included in the MSU decaled, revenue-producing, parking system. Therefore, all maintenance, snow removal, etc., is currently handled on an informal, ad hoc basis among the current building occupants. At some future point, parking areas at Marsh Lab may be absorbed into the MSU parking system with its associated permit requirements, and after prior consultation with building occupants. Such a change would subsequently cover maintenance costs at the campus average level.
- 4. Capital projects and large-scale major maintenance projects will be requested through the State’s Long Range Building Program.
- 5. Projects funded with non-MSU state dollars may be assessed the OFS Project Fee. (Refer to the Physical Plant Project Fee Assessment Policy).

D. Damage or Destruction

1. In the event that the building is damaged by fire, earthquake or other peril, the building may be abandoned, demolished, repaired, reconstructed or restored at the sole discretion of MSU. If repair is deemed appropriate, MSU is not obligated to provide temporary space for DOL during the repair period. If the facility is abandoned or demolished, MSU is not obligated to provide replacement space for the use of DOL. Neither party shall be responsible to the other party for damages or losses or any inconvenience or annoyance occasioned by such building damage, repair or reconstruction.

E. Insurance/Indemnification

1. DOL is responsible for securing Comprehensive General Liability Insurance through the Montana Self Insurance Program administered by the Risk Management and Tort Defense Division (RMTDD) of the Montana Department of Administration. Since MSU and the DOL are both entities of the State of Montana, and since both fall under the Montana Tort Claims Act 2-9-101, MCA, neither can indemnify itself against the other. If any incident likely to result in a liability claim arises from the activities, operations, and acts, errors, or omissions of the DOL or its employees, agents, volunteers, or representatives, that incident shall be immediately reported to the

appropriate RMTDD claim representative with a copy of all incident and claim information forwarded to MSU Safety and Risk Management.

- 2. DOL is responsible for reporting all its contents (personal and portable property) residing in Marsh Lab to the RMTDD via the appropriate Source Data Reporting mechanism. DOL will insure all personal and portable property through the State's Commercial Property Insurance Program administered by the RMTDD.

F. Multi-Use Facility

- 1. Both parties acknowledge that Marsh Lab is a multi-use building that accommodates a variety of occupants/uses, and they are not to conduct activities in or about the building that will obstruct or interfere with the legitimate activities of other occupants. MSU agrees to consider compatibility of use when reassigning vacant space to prospective users.

G. Modifications to MOU

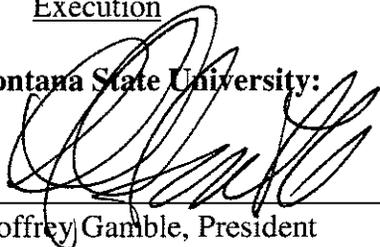
- 1. This MOU may be modified at any time; however, any such modification must be in writing and signed by both parties.

H. Official Contacts

- 1. Dept. of Livestock: Executive Officer
- 2. Veterinary Diagnostic Lab: Director VDL
- 3. Montana State University: Associate Vice President, University Services

I. Execution

Montana State University:



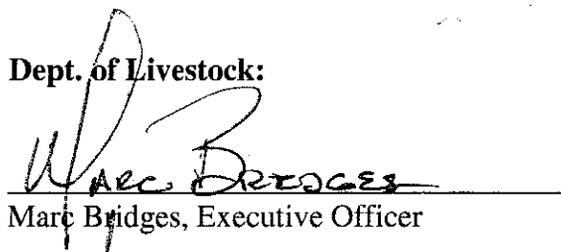

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Geoffrey Gamble, President

4-13-06

Date

Dept. of Livestock:




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Marc Bridges, Executive Officer

May 1, 2006  
Date

FACILITIES SERVICES  
RECEIVED

MAY 03 2006

MONTANA STATE UNIVERSITY

NON-ASSIGNABLE

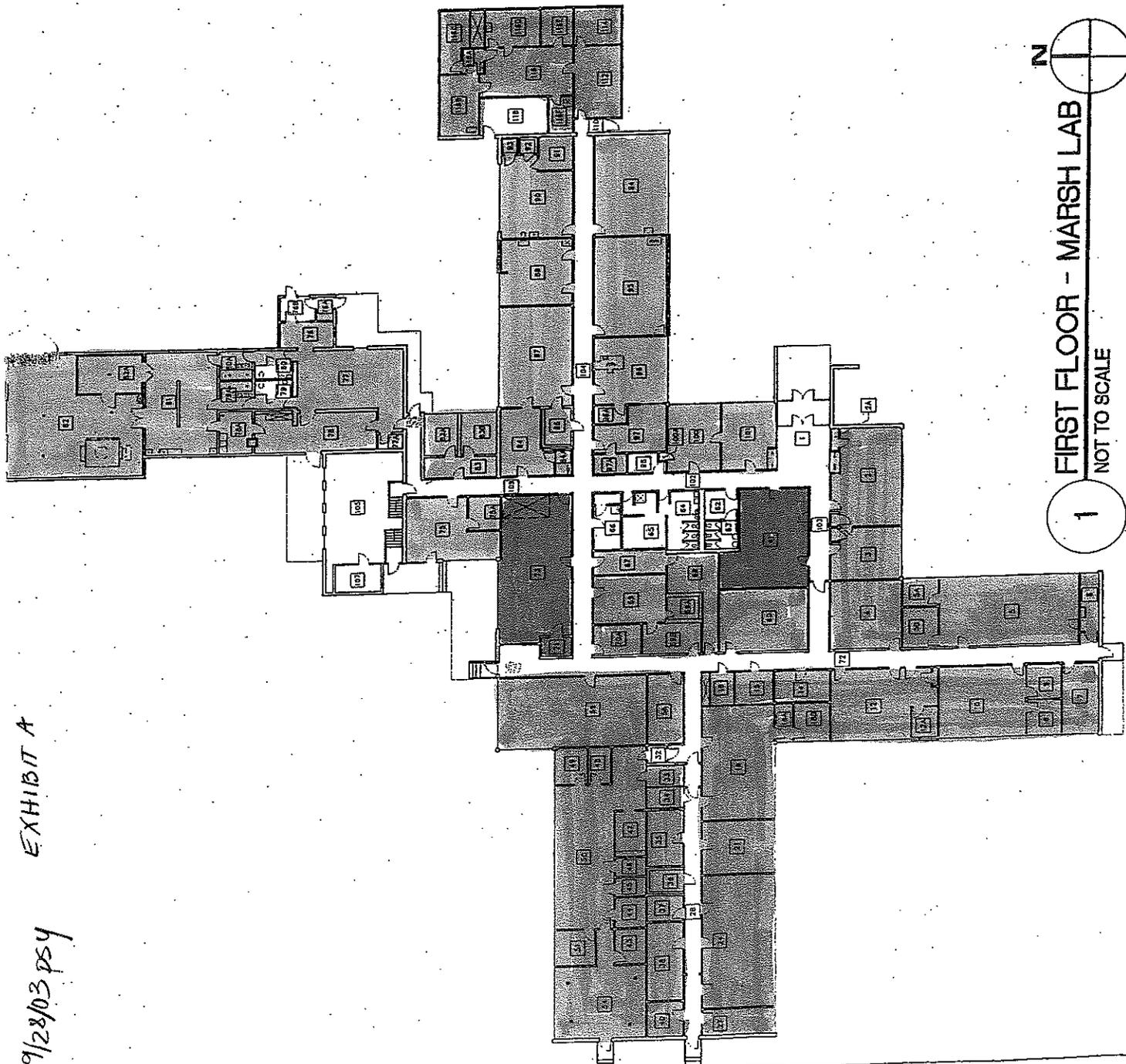
NOT DIAGNOSTIC LAB

MSU

SHARED - COPPER BUILDING

EXHIBIT A

9/28/03 psy



FIRST FLOOR - MARSH LAB

NOT TO SCALE

1

DATE PERIOD - JAN. 83

INDEX #

2

BUILDING #

116

MSU-OS  
FLOOR PLAN  
BOZEMAN, MONTANA 59717

**MONTANA**  
STATE UNIVERSITY  
BOZEMAN



# **Montana Fish, Wildlife & Parks**

1400 S. 19<sup>th</sup> Avenue, Bozeman, MT 59718

## **Laboratory Review for SJ 14**

Response to Questions:

a) **Laboratory Inventory**

- a. **Physical Space:** The Wildlife Lab consists of two levels totaling approximately 5,500 sq ft (outside measurement). Working space consists of an exam room (386 sq ft), a walk-in cooler (131 sq ft), a walk-in freezer (76 sq ft), a side room for equipment such as ultra-low freezers (117 sp ft), a dark room (25 sq ft), technician office space and computer work center (216 sq ft), a general work room (469 sq ft), blood processing and equipment storage room (137.5 sq ft), pharmacy room (20 sq ft), lab supervisor and wildlife veterinarian office space (278 sq ft), bathrooms and shower room (308 sq ft) and upstairs storage space (approx 3000 sq ft). The Wildlife Laboratory also has parking space for up to 6 vehicles that are used on a full time or seasonal basis and two storage facilities for equipment (approx 300 sq ft).
- b. **Equipment:** The Wildlife Lab currently has two ultra-low freezers, one stand-up freezer, a refrigerator of tissue storage, 4 2 dissecting micro-scopes, an oil microscope, several centrifuges a Class V safe, gun safe, two x-ray machines, a large vacuum packing machine, six computers located at computer stations, up to 6 pickup trucks, one portable vet box, exam table, a four-wheeler and other misc. tools and equipment.
- c. **Employees:** The Wildlife Laboratory currently has three full time employees, the wildlife laboratory supervisor, the wildlife veterinarian and a wildlife lab technician. There is also a seasonal, part time technician position (0.17 FTE) An addition full time employee, the avian influenza coordinator, works out of the wildlife lab but is supported by a federal grant. The lab will hire up to 20 seasonal technicians and up to 8 MSU work-study students.

- d. Lease agreement: The wildlife lab resides on MSU land that is under a long-term lease. That lease was paid in a lump sum initial payment so there is current no cost associated with the lease.

b) Personnel

- a. Wildlife Laboratory Supervisor
  - a) Age - 44
  - b) Sex - Male
  - c) Salary - Base = \$26.24/hr, with benefits = \$34.61/hr.
- b. Wildlife Veterinarian
  - a) Age - 35
  - b) Sex - Female
  - c) Salary – Base = \$25.00/hr, with benefits \$33.26/hr
- c. Wildlife Technician, Full Time
  - a) Age - 43
  - b) Sex – Male
  - c) Salary – Base = \$13.016/hr, with benefits \$20.15/hr
- d. Wildlife Technician, Part Time/Seasonal
  - a) Currently Vacant
  - b) Salary approximately \$4,600/yr.
- e. Avian Influenza Coordinator
  - a) Age - 52
  - b) Sex – Female
  - c) Salary – Base = \$16.242, with benefits \$22.98
- f. Seasonal technicians (up to 20)
  - a) Age, Sex variable
  - b) Salary approximately \$13/hr on average

c) Biosafety Levels

Currently the Wildlife Laboratory has minimal biosafety measures. The entire lab including the exam room, walk in coolers and walk-in freezer are accessible by FWP employees and to some extent the public. The minimal biosafety of the lab is not conducive to conducting examinations of sick or diseased wildlife. The lab does follow general personal safety and cleaning protocols.

d) Coordination with other labs

The Wildlife Laboratory has limited diagnostic capabilities. As a result we rely heavily on other labs for sample testing. We currently have an agreement with the Dept. of Livestock, Diagnostic Laboratory for diagnostic work but do utilize other labs as well. The list of labs that we contract with consists of but is not limited to the: National Veterinary Services Laboratory (IA), National Wildlife Health Center (WI), Centers for Disease Control, Caine Veterinary Teaching Hospital, Washington Animal Disease Diagnostic Laboratory, Wyoming State Diagnostic Laboratory, Biotracking (ID), Michigan State University, Louisiana State University, Rocky Mountain Research Laboratory, U of Montana Genetics Laboratory and other labs based on need and services offered.

The wildlife lab supervisor is currently part of the Montana Laboratory Forum. The forum consists of personnel from various labs across Montana and is designed to improve communication among the labs of the state. We have historically collaborated with MT Dept. of Livestock and USDA-APHIS on various projects.

e) Lab Needs

a. Short-term needs:

- a) A part or full time technician for the wildlife veterinarian. Currently too much of the wildlife veterinarian time is consumed by activities that should be performed by a technician such as entering data or maintaining databases.
- b) A hydraulic necropsy/exam table. Our current table is not adequate and is not adjustable.
- c) An evidence locker (cold storage). Evidence is currently stored with other specimens in an unlocked portion of the freezer. This is not adequate for maintaining chain-of-custody for evidence.
- d) Improved lighting in exam room.

b. Long-term needs:

Currently the facility we have is inadequate for the volume of work done at the Wildlife Laboratory. We can and have been able to function but often bottlenecks occur reducing

production. We also have to conduct animal examinations in less than optimal situations that could result in the exposure of multiple people to potential pathogens. Work space (including access to computers) is limited. At times of the year the Wildlife Lab will have up to 15 people working at the same time on various projects. It can be difficult to find adequate space for everyone and often results in safety issues associated with biosecurity. Following are recommendations for improving the Wildlife Laboratory's effectiveness and production:

- a) A part or full time technician for the wildlife veterinarian. Currently too much of the wildlife veterinarian time is consumed by activities that should be performed by a technician such as entering data or maintaining databases.
- b) Other items listed in short-term needs
- c) A bio-level 2 or greater exam room with adequate ventilation system, lighting and space for multiple necropsies.
- d) Separate necropsy/exam room (bio-level 2 exam room mentioned in c above) and tissue processing room. The Wildlife Lab processes over 2,000 deer, elk and moose heads for CWD surveillance and about 2,000 bobcat heads during the furbearer season requiring a large working space for extended periods of time. This and other tissue processing projects should not be conducted in the same room as an animal necropsy. The potential for multiple people to be exposed to a potential pathogen is too great. Wildlife lab staff would also monopolize a single necropsy room during this time period potentially creating conflicts with other agency personnel needing to use a single necropsy/exam room.
- e) A cooler and freezer system that utilizes a hoist and railway system that is accessible from both outside and inside the building. Currently the Wildlife Laboratory does not have such a system requiring personnel to hand carry heavy carcasses into and out of the freezer risking injury. The Wildlife Laboratory receives

carcasses from throughout the state yet has the smallest, least accessible freezer in the department.

- f) An incinerator. We currently use DoL's.
- g) Night Drop capabilities. We currently do not have a refrigerated area accessible for the submission of samples during non-office hours.
- h) An autoclave... We currently use DoL's.
- i) A parasitologist or adequate staff to take over those duties. Currently MFWP contracts parasite work to Floyd Seese, a semi-retired parasitologist. Mr. Seese conducts all of our trichinosis testing on harvested bears and lions, conducts parasite evaluations on fecal material from a variety of wildlife species and identifies parasites found during examinations. Once Mr. Seese retires fully these functions may no longer be available or may become cost prohibitive.
- j) Improved diagnostic capabilities. Currently MFWP contracts the majority of its diagnostic work. The majority of the diagnostic tests available were created for livestock and do not function as well in wildlife species. Many diagnostic tests designed specifically for wildlife are not available. Obtaining the ability to conduct research and develop or improve existing diagnostic tests would greatly enhance MFWP abilities to serve the public and wildlife resources of Montana. Having the ability to develop or have access to individuals capable of developing new tests or improving existing tests within the state would greatly improve our diagnostic capabilities in wildlife. The ability to develop new diagnostic tools may also be a way to generate revenue as other states may have similar testing needs. The wildlife supervisor and wildlife veterinarian should have some authority to oversee personnel conducting diagnostic tests and have the ability to request and oversee research and development activities in efforts to improve diagnostic capabilities in wildlife.
- k) Genetics laboratory. The use of genetics in wildlife research and management has greatly increased over the last 10 years. Currently new techniques are being

developed that may greatly improve our abilities to conduct wildlife investigations/research and improve management of certain wildlife species. The Wildlife Laboratory does not have the ability perform even basic genetic analysis.

- l) If several state labs were to be combined MFWP would request that the Wildlife Lab maintains its autonomy and continues to be operated and supervised under MFWP so that the people and wildlife resources of Montana are adequately supported and represented. The Wildlife Laboratory would also need adequate office, workspace, storage and parking for its full-time and seasonal personnel, equipment and vehicles in order to maintain existing activities/duties with the capability to expand in needed areas.
- m) Support staff. MFWP personnel would need access to adequate support staff if separated from the regional office.

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
McCall Hall - Inventory**

Rm #	SF	Room Name	Staff Assigned	Use of Space	Inventory of Space	
					Furniture	Equipment
*All Laboratories contain the following items:					Work Tables Benches Lab Carts Miscellaneous Glassware Waste Receptacles Chairs Step Stools Shelves Dish Drying Racks	Stirrers/Hot Plates Voltage Stabilizers Water Baths Vortexers Desiccators Auto Pipettes Pipette Stands
1	237	Break Room	All	Break Room Server Closet Comp. Equip. Storage File Cabinet Storage	Conference Table (6) Conference Chairs (6) Lg File Cabinets (2) Floor-Ceiling Shelves Small Appliances ▪ Microwave ▪ Coffee Pot ▪ Refrigerator	(2) Server Computers
1A	Media/Theatre Arts Use Only					
1B	Media/Theatre Arts Use Only					
2	784	*Laboratory	PDP Groundwater AES	Sample Analysis for Trace Pesticide (ppt)	Flammable Storage Cabinet Appliances ▪ (2) Refrigerators	Controlled Air System (2) Lab Hoods Stainless Steel Sink with Faucet Water Purification Unit Centrifuge Wrist Action Shaker (3) Vacuum Pumps w/ SPE Apparatus Nitrogen Evaporator w/ Nitrogen Tank Sonicator (2) pH Meters Lab Scale Oven

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
McCall Hall - Inventory**

Rm #	SF	Room Name	Staff Assigned	Use of Space	Inventory of Space	
					Furniture	Equipment
3	226	*Laboratory	Feed & Fertilizer AES	Sample Grinding Station for Feed & Fertilizer	Appliances ▪ (2) Freezers	Controlled Air System (1) Lab Hood Stainless Steel Sink with Faucet (2) Shop Vacs Sieve Vibrator Sample Divider Coffee Mill Grinders Fire Extinguisher
4	328	*Laboratory	Feed & Fertilizer AES	Sample Grinding Station & Storage for Feed & Fertilizer	Appliances ▪ (2) Microwave Ovens ▪ Convection Oven	Large Lab Compressor (2) Downdraft Tables (2) Lab Hood (2) Shop Vacs (5) Mills Lab Scale Sample Splitter Vibratory Feeder
5		Foyer	All	Recycling Center	(2) Tables Recycling Bins	
6		Restroom	All	N/A	N/A	N/A
7		Hallway	All	Circulation	N/A	Water Fountain (10) Gas Tanks Eyewash Station Emergency Shower Fire blanket (7) Fire Extinguisher Corner Safety Mirrors Emergency Lighting
8	222	Office	Bureau Chief (Heidi Hickers)	Office Space	Desk Table (5) Chairs Wall of Bookshelves ½ Wall of Bookshelves	Roof Air Conditioner Computer
9	116	Copy Room	All	Copy Room Office Supplies File Cabinet Storage Safe for A/R	(6) File Cabinets Large Cabinet for Office Supplies Cabinet	Roof Air Conditioner Copy Machine

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
McCall Hall - Inventory**

Rm #	SF	Room Name	Staff Assigned	Use of Space	Inventory of Space	
					Furniture	Equipment
10	341	Front Office	Accounting Tech, (Steph Kamerman)	Reception to Customers Receiving USPS, FedEx, UPS Receiving Samples Monthly Lab Meetings	(2) L Shaped Desks (2) Built in Bookcases (2) Credenzas (3) Desk Chairs Conference Room Chair Hanging Bookcase	Roof Air Conditioner HP Laser Printer Postage Scale Fax Machine Computer Dymo Label Writer Adding Machine
11	192	Office	BSE Chemist, (Laura Luckey); Feed & Fertilizer /Chemist Supervisor (Jaci Konecny)	Office Space	(2) L Shaped Desks File Cabinet Wall of Bookshelves	Roof Air Conditioner (2) Computers Dymo Label Writer Printer
12	215	Office/Lab	Feed & Fertilizer Chemist (SooRyong Yoon); Feed & Fertilizer Technician (Vacant)	Office Space/ Sample Weighing for Feed & Fertilizer	(2) Desks Shelves (2) Lab Tables	(2) Computers Printer (2) Balances Oven Air conditioner
13	237	Storage	All	Chemical Storage	Shelving	Ducting
14	411	*Laboratory	Pesticide Groundwater AES	Sample Analysis for Pesticide (Low to Medium Levels)		Air Conditioner Venting/Ducting (2) Lab Hoods Stainless Steel Sink with Faucet Multi-Stir Plate Desiccator Lab Scale (2) Large Centrifuges Small Centrifuge Shaker Nitrogen Evaporator w/ Nitrogen Tank (2) Vacuum Pump w/ SPE Apparatus Water Purification Unit Homogenizer

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
McCall Hall - Inventory**

Rm #	SF	Room Name	Staff Assigned	Use of Space	Inventory of Space	
					Furniture	Equipment
15	112	*Laboratory	Feed & Fertilizer AES	Instrument room for Feed & Fertilizer Analysis	Instrument Table	Vents and Ducting Computer Printer Varian AAS Instrument Vapor Generation Accessory Nitrogen Tank Acetylene Tank
16	162	*Laboratory	Feed & Fertilizer AES	Instrument room for Feed & Fertilizer Analysis	Industrial Grade Instrument Table w/ wheels	Computer Printer Recirculation Cooling Unit Air Conditioning ICPOES Perkin Elmer Instrument Venting & Ducting Argon Tank
17		Rear Foyer	All	Circulation	N/A	Fire Extinguisher
18	50	Storage	Feed & Fertilizer AES	Sample & Chemical Storage for Feed & Fertilizer / AES	Appliances ▪ Refrigerated Unit Cooler	
19	138	*Laboratory	Feed & Fertilizer AES	Sample Analysis for Feed & Fertilizer		Heating Block Perchloric Acid Hood Stainless Steel Sink Industrial Grade Microwave Shaker Water Purification Unit Compressor
20	164	*Laboratory	Pesticide AES	Sample Analysis for Pesticide	Appliances ▪ (2) Freezers ▪ Dishwasher	Stainless Steel Sink Hobart Grinder Carbon Dioxide Tank Dry Ice Maker Balance Hood Air Conditioning Unit

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
McCall Hall - Inventory**

Rm #	SF	Room Name	Staff Assigned	Use of Space	Inventory of Space	
					Furniture	Equipment
21	228	*Laboratory	Feed & Fertilizer AES	Sample Analysis for Feed & Fertilizer / AES program  Sample analysis for high level pesticide program.	Flammable Storage Cabinet Appliances ▪ Refrigerator ▪ (3) Freezers	Lab Hood Air Conditioner Nitrogen Evaporator w/ Nitrogen Tank Nitrate Electode Centrifuge (2) Sonicator Wrist action shaker Steam Table
22		Stairs	N/A	Circulation/Storage	Water Heater	Distilled Water System Fiber Optics Station
23	335	Office	QA Officer PDP Program - Robin Johnson; GWTR/Chemist Supervisor - Angela Schaner; Chemist - Cathy Bauder	Office Space/Conference Area	(3) L Shaped Desks (6) File Cabinets Printer Stand Small Filing Cabinet	Air Conditioner (3) Computers Laser Printer Dymo Labelwriter Printer
24	242	*Laboratory	Pesticide Groundwater Feed AES	Instrument room for Pesticide & Feed Analysis	Desk File Cabinet (3) Industrial Instrument Tables w/ Wheels	(2) Air Conditioners Recirculation Cooling Unit Vent Lines to Instruments Medical Grade Copper Tubing (3) Computers (3) Printers Water Premier XE and UPLC Instrument Micromass Quattro Ultima MS Instrument HPLC Instrument Waters XEVO w/ UPLC Instrument

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
McCall Hall - Inventory**

Rm #	SF	Room Name	Staff Assigned	Use of Space	Inventory of Space	
					Furniture	Equipment
25	344	*Laboratory	Pesticide Groundwater Feed AES	Instrument room for Pesticide & Feed Analysis		Air Conditioner Venting/Ducting Gas Purifier (4) Computers (4) Printers 5975 GCMSD Instrument 6890 GC Instrument 5973 GCMSD Instrument Waters 2695 HPLC w/UV Detector Instrument Waters 2695 w/ Florescence and UV Detection System Instrument Pickering PCX Instrument Argon Tank Hellium Tank (2) Standard Size Nitrogen Tanks (3) 55 Gallon Nitrogen Tanks
26	244	Office	Groundwater/Chemist (Jona Verreth); Pesticide/Chemist (Katie Giddings); AES Research Technician (John Barnick)	Office Space	(3) Desks (2) 4' Shelves Printer Stand	Air Conditioner (3) Computers Printer
27		Janitor's Closet	N/A	N/A	N/A	N/A
30		Bathroom	N/A	Janitor Storage	N/A	Shower
31	115	*Laboratory	Feed Pesticide	PCR Clean Room Pesticide Standard Preparation	Appliances ▪ Freezer	Stainless Steel Sink w/ Faucet Ducting/Venting System Lab Scale Centrifuge Balance with Hood Digital Heat Block Biorad Imaging Unit Computer Printer Water Bath

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
McCall Hall - Inventory**

Rm #	SF	Room Name	Staff Assigned	Use of Space	Inventory of Space	
					Furniture	Equipment
32	46	Storage	Pesticide	Pesticide Waste - High level	Flammable Storage Cabinet	Nitrogen Generator
33	44	Cold Chemical	All	Cold Chemical Storage	Shelves Walk in Cooler	
34	117	*Laboratory	All	Storage Tools	Tool Chest (2) Dollies Appliances ▪ (3) Freezers	
36	59	*Laboratory	Feed AES	PCR Clean Room		Purifier Vertical Hood Icycler Waters Bath
38	410	*Laboratory	All	Sample Analysis for Pesticide, Feed, AES	Flammable Storage Appliances ▪ Small Refrigerator	Air Conditioner Venting/Ducting Industrial Oven (2) Lab Hoods Stainless Steel Sink with Faucet Shaker (4) Vacuum Pumps Vacuum Pump w/SPE Apparatus (2) Roto-evaporators w/ vacuum pumps Sonicator/Bath Auto Titrator Fibertech Digestion Unit Fat Extraction apparatus Balance Recirculating Refrigeration Unit Nitrous Oxide Tank Nitrogen Tank
38A		*Laboratory	All	Sample oven for heating/burning	Industrial Lab Tables	Industrial Oven (2) Furnaces

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
McCall Hall - Inventory**

Rm #	SF	Room Name	Staff Assigned	Use of Space	Inventory of Space	
					Furniture	Equipment
39	629	*Laboratory	Feed & Fertilizer AES	Sample Analysis for Feed & Fertilizer, AES	Appliances ▪ Refrigerator	Air Conditioner Venting/Ducting (2) Lab Scales LECO FP-528 Instrument Computer Laser Printer Forced Air Oven pH Meter Pellet Press Balance w/ Computer Helium Tank Oxygen Tank Perchloric Acid Hood Titrating Station Automated Distillation Unit Gas Purifier (2) Stainless Steel Sinks Water Purification Unit

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
Miscellaneous Information**

**Introduction**

McCall Hall was built in 1952 and is owned by Montana State University. MDA maintains a cooperative agreement with MSU regarding the laboratory space and the operation of a joint laboratory facility that provides testing services to both MDA and MSU AES. The agreement includes the following key provisions:

- MSU shall “provide adequate laboratory facilities on the campus of MSU for the analytical laboratory” and the MDA shall employ and pay personal costs for the bureau Chief/laboratory Director and a secretary in lieu of payment for space provided in McCall Hall for the Department’s office and storage needs.
- MDA shall supervise both MDA and MSU personnel and programs to maximize efficient and effective utilization of lab personnel, equipment, space and related items in performing analytical work for either agency.

**Building Lease Information**

MDA does not pay rent nor do we lease lab space at McCall hall per the arrangements in the Cooperative Agreement between MDA and MSU. MDA is responsible for utility costs(~\$40,000 per year) and any additional building requirements such as air-conditioning, remodeling, hoods and venting, modifying plumbing and/or electrical needs and others.

**Biosafety**

We have none.

**Coordination with Other State Laboratories**

- Veterinary Diagnostic Laboratory: pesticide screening in milk and miscellaneous livestock water and forage testing for nitrates, TDS, sulfate and others.
- Fish, Wildlife & Parks: Rotenone analysis in water after Black Lake poisonings
- Analyzed milkshake for trace pesticides for the state Crime lab in Missoula.
- Cooperative agreement with Health lab in Helena that in the event of an emergency and they ran out of lab space they could utilize our lab for their testing needs.

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
Miscellaneous Information**

**Short Term Needs for Analytical Lab**

Install a liquid nitrogen tank by the Fall of 2009

**Long Term Needs for Analytical Lab**

The unique relationship MDA maintains with MSU in the “joint operation” of the analytical laboratory is a continuing economic benefit to both agencies and to the public through cooperative management of personnel, equipment, supplies, facilities, and laboratory programs and expertise. It is important to MDA and MSU that this relationship continues.

MDA is not seeking nor do we need to move to another location. McCall Hall meets all of our analytical and staffing needs. The building is the right size, in the right location and we have invested heavily in the building over the years in order to meet our expanding analytical requirements – adding air-conditioning to all working rooms, adding specialized venting and electricity, and remodeling to accommodate additional staff, grinding areas, clean rooms, gas requirements and others.

**Suggestions for Combining Services and Facilities between Labs:**

MDA is not seeking nor do we need to move to another location; it is in our best interest to maintain an association and our current location with MSU. The collaboration benefits both agencies by consolidating resources and is critical to our mission of providing efficient, quality chemistry testing services in support of Montana Agriculture.

In addition there are concerns with co-locating the MDA lab with other laboratories as MDA lab requirements are rigorous and require enough space and isolation to ensure clean space without fear of contamination. For example:

- It is critical that we do not share space with a lab that operates in a bovine rich environments such as the Veterinary Diagnostic Lab due to the potential for cross contamination of our PCR test for ruminant contamination in animal feed.
- It is critical that we maintain control of our lab environment inside and outside of the building in regards pesticide residues. Our weekly testing of pesticides in water samples at sub part per trillion amounts require a pesticide free environment not only inside the lab but outside as well. In our current location spraying with pesticides is not

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
Miscellaneous Information**

allowed at or near the building and our trace lab is located in a separate wing away from other pesticide testing in the lab.

- It is critical that we maintain controlled access into the building not only for security but because of the potential for outside contamination.
- It is critical that we maintain enough physical space to separate incompatible inorganic and organic testing activities.
- It is critical that we maintain our lab facilities to meet the ISO17025 accreditation standard in the USDA PDP program. Accreditation was granted in May of 2008 at the current facility. If a new facility does not meet the standard of ensuring correct performance of the testing activities as well as effective separation between incompatible activities our accreditation is jeopardized.

**Montana Department of Agriculture/Montana State University Agricultural Experiment Station  
Analytical Lab  
Personnel & Demographics**

<b>Position</b>	<b>Years in Service</b>	<b>Age</b>	<b>Pay Ban</b>	<b>*Salary</b>
Bureau Chief	33	56	7	36.08471
Groundwater/Chemist Supervisor	25	49	6	30.14958
Chemist	10	50	6	22.72499
Feed & Fertilizer/ Chemist Supervisor	7	30	6	28.07131
Groundwater/Chemist	4	32	6	21.96158
Pesticide/Chemist	3	25	6	20.59444
QA Officer PDP Program	2	32	6	19.39276
BSE Chemist	7	29	6	22.28805
Feed & Fertilizer/Chemist	5	51	6	20.85622
MSU AES Research Technician III	3	25	N/A	16.7418
Feed & Fertilizer/Lab Technician	-	-	4	NA
Part Time MSU Student Employee	3	22	N/A	10.50
Part Time MSU Student Employee	1	19	N/A	8.50
Accounting Technician	1	26	4	13.34500

\*Salary: dollars per hour

Appendix F

<b>DPHHS Public Health &amp; Environmental Laboratories' Inventory</b>	<b>Submitted by Anne Weber, Lab Director</b>
<b>Facility Description</b>	
Physical space description with square footage	First floor clinical laboratory (6620 sq. ft.), first floor BSL3 suite (805 sq. ft.) and second floor chemistry laboratory (5400 sq. ft.) in B wing of Cogswell Bldg, with storage in B wing basement (8154 sq. ft.)
Biosafety levels	One BSL3 laboratory (805 sq. ft.), remainder is BSL2
Equipment list	see page 2
Annual cost of rent	FY10 annual rent \$253,560 estimated from Sept 09 monthly charges
<b>Staff Description</b>	
Number and type of personnel	38 total FTE including 1 Director, 6 Section Supervisors, 17 Clinical Laboratory Specialists, 6 Chemists, 2 Laboratory Preparedness Coordinators, 3 Administrative Support, 3 Laboratory Training and QA Coordinators, and 2 Laboratory Technicians
Personnel demographics, including age and pay scale	Age of staff in the currently filled positions are 3 staff in their 60's, 18 staff in their 50's, 10 staff are in their 40's and 5 staff are age 39 or less. Pay scale ranges from an average of \$31.74 per hour for managers, \$21.39 per hour for technical and professional personnel, and \$13.75 per hour for support personnel.
<b>Services Description</b>	
List of Services	see pdf attachment
List of Fees	see pdf attachment
<b>Coordination Description</b>	
How we are already coordinating with other state laboratories	We perform testing as requested for the Dept of Livestock laboratory. This is generally limited to confirmatory testing for specific bacterial pathogens. We have MOU's with the Dept of Livestock and the Dept of Agriculture Laboratories to share facilities in the case of emergency. We have recently implemented a group called the Montana Laboratory Forum to collaborate on Laboratory System Improvement. Members of this group include representatives from DPHHS, Dept of Livestock, Dept of Agriculture, FWP, and the Dept of Justice.

## Appendix F

<p>Wish list for facilities, infrastructure, equipment, personnel (describe recent upgrades)</p>	<p>Recent facility upgrades: in 2003, an area of the first floor laboratory was remodeled into a BSL3 suite, a requirement for work with agents of bioterrorism and a recommendation for work with tuberculosis. In 2004, another area of the first floor laboratory was remodeled into a molecular diagnostics laboratory. In 2007, a new organics laboratory was built on the second floor, and the second floor offices were moved outside the laboratory testing area. In 2008, an area of the first floor laboratory had the existing cabinets removed and painted and new vinyl flooring installed. In 2009, the remaining area of the second floor laboratory was remodeled to include new fume hoods, cabinets, flooring, and air handling. Our facility is in good shape, the only difficulty is that it is in a building with non-laboratory office space, which sometimes causes challenges in building maintenance. We are constantly looking for state and federal funding to keep current on equipment and equipment maintenance. Our personnel is adequate for our current testing volume and programs.</p>
<p>Suggestions for combining services</p>	<p>I have no suggestions for combining services. In an ideal world, state laboratory services would be co-located in one building to maintain consistent expertise for building maintenance and to share expensive equipment as available.</p>
<p><b>Mission Description</b></p>	
<p>Scope of services</p>	<p>DPHHS provides two types of laboratory services: clinical and environmental. The primary function of the clinical services is to provide testing of community health importance directed at the prevention and control of human disease and at the improvement of the community's health. The clinical tests provided are limited to those of public health significance in support of federal, state and local public health programs. Clinical test consultation and training is also provided. Public Health Emergency Preparedness is also a focus of both laboratories, as DPHHS has received federal funding for Bioterrorism and Chemical Terrorism testing. Analysis of food for bacterial contaminants is also done in the clinical laboratory. The environmental laboratory provides analytical, consulting and training services to programs of the State of Montana, local and federal agencies, and to the general public. The Environmental Laboratory is certified by Region 8 Environmental Protection Agency to provide analyses for the Safe Drinking Water Act (SDWA), and also provides testing for the Clean Water Act (CWA), the National Pollutant Discharge Elimination System</p>

## Appendix F

Authorizing legislation	The DPHHS laboratory has general authorization, see: <a href="http://data.opi.mt.gov/bills/mca/50/1/50-1-202.htm">http://data.opi.mt.gov/bills/mca/50/1/50-1-202.htm</a> specifically see d (ii) and p(ii).
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## Appendix F

	A	B	C	D	E	F	G	
1	<b>Laboratory Services Bureau DPHHS</b>							
2	<b>Equipment List</b>							
3	<b>Current Status</b>	<b>Tag No</b>	<b>Description</b>	<b>Serial No</b>	<b>Acquisition Date</b>	<b>Physical Location</b>		
4	IN SERVICE		GLOVE BOX			AHRF BLOCKHOUSE		
5	IN SERVICE	19162	PANASONIC LCD PROJECTOR	SB7330074R	7/13/2007	B105		
6	IN SERVICE		BIOTEK ELX405 PLATE WASHER	181215		B108		
7	IN SERVICE		BIOTEK ELX808 READER/SOFTWARE	219856		B108		
8	IN SERVICE	4972	BLOOD LEAD ANALYZER #1, ESA	516		B108		
9	IN SERVICE		BLOOD LEAD ANALYZER #2, ESA	554		B108		
10	IN SERVICE	18811	FREEZER, KENMORE -20C			B108		
11	IN SERVICE		INCUBATOR SANYO 37C	8030063		B108		
12	IN SERVICE		PLATE WASHER, STRIP, WELLWASH 4 M	006-9-7437		B108		
13	IN SERVICE		REFRIGERATOR, VWR DOUBLE DOOR G	5114410		B108		
14	IN SERVICE		REFRIG FREEZER THERMOSCIENTIFIC	1521080504856		B109		
15	IN SERVICE		DRIED BLOOD SPOT PUNCHER	2962954		B110		
16	IN SERVICE	12494	MICROSCOPE, LIGHT LEICA	203275	11/1/2001	B110		
17	IN SERVICE		BIOLOG SYSTEM	E11046		B111		
18	IN SERVICE	6504467	INCUBATOR, THELCO 56C			B111		
19	IN SERVICE		INCUBATOR, VWR 42C	702303		B111		
20	IN SERVICE		INCUBATOR, WALK-IN HOTPACK 33C	24246		B111		
21	IN SERVICE	P2195	MICROSCOPE, FLUORESCENT LEICA	203816		B111		
22	IN SERVICE	12492	MICROSCOPE, LIGHT LEICA	717274		B111		
23	IN SERVICE		REFRIGERATOR, VWR	O26U-182897-PU		B111		
24	IN SERVICE		CENTRIFUGE, IEC CENTRA CL3			B112		
25	IN SERVICE	4503	INCUBATOR, EQUATHERM 30C	0197-71		B112		
26	IN SERVICE		INCUBATOR, THERMOSCIENTIFIC PRECI	2077090935335		B112		
27	IN SERVICE		INCUBATOR, VWR CO2	900602		B112		
28	IN SERVICE	12493	MICROSCOPE, LIGHT WITH TRINOCULA	203709	11/1/2001	B112		
29	IN SERVICE		REFRIGERATOR, VWR DOUBLE DOOR G	5130468	11/24/2008	B112		
30	IN SERVICE	P2476	ARTEL PCS PIPETTE CALIBRATION SYST	2477623	1/10/2008	B113		
31	IN SERVICE		BIO SAFETY CABINET, BAKER BIOGARD	SP12783V		B113		
32	IN SERVICE	P2475	CENTRIFUGE, ALLEGRA X12	5407XG725453	7/23/2008	B113		
33	IN SERVICE	1492	FREEZER SO-LOW -70C	8182523	6/1/1982	B113		
34	IN SERVICE	P2480	FREEZER, VWR -86C	818067-34	1/28/2009	B113		

## Appendix F

	A	B	C	D	E	F	G
3	Current Status	Tag No	Description	Serial No	Acquisition Date	Physical Location	
35	IN SERVICE		AUTOCLAVE, CONSOLIDATED STILLS			B114	
36	IN SERVICE		DISHWASHER, LANCER	3A032119		B114	
37	IN SERVICE		METTLER BALANCE	509674		B114	
38	IN SERVICE		REFRIGERATOR, NORLAKE UNDERCOUN	8212829		B114	
39	IN SERVICE	979	WATER PURIFICATION SYSTEM			B114	
40	IN SERVICE		INCUBATOR, PERCIVAL	4620.01.03C		B116	
41	IN SERVICE		INCUBATOR, REVCO ULTIMA CO2	R24N-631519-SN		B116	
42	IN SERVICE		INCUBATOR, VWR 30C	1009002		B116	
43	IN SERVICE		REFRIGERATOR, VWR	R25N-631811		B116	
44	IN SERVICE		REVCO LEGACY, LOCKING -70C	V106N-201884AWN		B116	
45	IN SERVICE		BIO SAFETY CABINET, STERILCHEM GA	76253		B117	
46	IN SERVICE		CENTRIFUGE, IEC GP8	31270225		B117	
47	IN SERVICE		INCUBATOR, REVCO ULTIMA LOCKING	R25N-631797-SN		B117	
48	IN SERVICE		MAGNA PURE LC 2.0 ROCHE	LC2C00000119		B117	
49	IN SERVICE		MICROCENRIFUGE, EPPENDORF 5417R	5407XG725453		B117	
50	IN SERVICE		AUTOCLAVE-PASS THRU, CONSOLIDATED STILLS			B117/118	
51	IN SERVICE	214	INCUBATOR WALK-IN 37C		1/1/1960	B119	
52	IN SERVICE		BAX SYSTEM	824		B120	
53	IN SERVICE		BEAD RETREIVER, INVITROGEN	701-734		B120	
54	IN SERVICE	P2473	CHEF DR II CHILLER SYSTEM, BIORAD	961BR1104	12/31/2008	B120	
55	IN SERVICE		CHEF MAPPER, BIORAD			B120	
56	IN SERVICE		GEL DOC, BIORAD	801BR1602		B120	
57	IN SERVICE		INCUBATOR/SHAKER, NEW BRUNSWICK	990324099		B120	
58	IN SERVICE		MIM, BIOVERIS USDA TAG 6217	1206		B120	
59	IN SERVICE		REFRIG FREEZER, BARNSTEAD LABLINE	1521071077180		B120	
60	IN SERVICE		WATER BATH SHAKER, NEW BRUNSWICK	100190703		B120	
61	IN SERVICE		STOMACHER 400 CIRCULATOR	43718		B121	
62	IN SERVICE	1251	BIO SAFETY CABINET, BAKER BIOGARD	SP9445V	8/1/1977	B122	
63	IN SERVICE		CENTRIFUGE, IEC CENTRA CL3R	37552335		B122	
64	IN SERVICE	P2401	FREEZER, NUAIRE -70C	NU-9483GC	12/24/2007	B122	
65	IN SERVICE		INCUBATOR, 33C PRECISION	22AR-5		B122	
66	IN SERVICE	P2193	MICROSCOPE, INVERTED LEICA	213655	1/11/2001	B122	
67	IN SERVICE		REFRIGATOR, VWR	Z16M-612607-ZM		B122	
68	IN SERVICE	P2194	MICROSCOPE, FLUORESCENT LEICA	217605	1/11/2001	B123	
69	IN SERVICE	1833	MICROSCOPE, ZEISS FOR FTA	47 3013-9901		B123	

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	A	B	C	D	E	F	G
3	Current Status	Tag No	Description	Serial No	Acquisition Date	Physical Location	
70	IN SERVICE		REFRIG FREEZER THERMOSCIENTIFIC	1521080804209	12/4/2008	B131	
71	IN SERVICE		REFRIG FREEZER, VWR	N24N-617918-NN		B131	
72	IN SERVICE		ABI 7500 FAST DX REAL TIME PCR INST	275012286	5/6/2009	B134	
73	IN SERVICE		BIO SAFETY CABINET, BAKER CO STERI	80988		B134	
74	IN SERVICE		BIORAD BIOPLEX 200	LX10006207401		B134	
75	IN SERVICE		BIROBOT EZ-1 EXTRACTOR	0502F0713		B134	
76	IN SERVICE	P2119	FREEZER, REVCO ULTIMA II LEGACI -70	P10J-426077-PJ		B134	
77	IN SERVICE		MICROCENTRIFUGE, EPPENDORF 5417R	5407 13628		B134	
78	IN SERVICE	P2311	NUCLISENS EASY MAG EXTRACTION SY	37	9/1/2005	B134	
79	IN SERVICE		NUCLISENS EASY Q	EQ1024		B134	
80	IN SERVICE		SMART CYCLER BLOCK A	901043		B134	
81	IN SERVICE		SMART CYCLER BLOCK B	200189		B134	
82	IN SERVICE		SMART CYCLER BLOCK C	400154		B134	
83	IN SERVICE	P2390	SMART CYCLER BLOCK D	402475	12/28/2007	B134	
84	IN SERVICE	P2389	SMART CYCLER BLOCK E	402451	12/28/2007	B134	
85	IN SERVICE		VICTOR 3 TRF INSTRUMENTATION, PERI	4205479		B134	
86	IN SERVICE		FREEZER, WOODS -20C CHEST	06743011HF		B22	
87	OUT OF SERVICE	755	FREEZER, FRIGIDAIRE CHEST -20C	90BK2350		BASEMENT ACROSS FROM B23	
88	IN SERVICE		FREEZER, VWR CHEST -20C	Unknown	10/15/2009	BASEMENT ACROSS FROM B23	
89	IN SERVICE		FREEZER, KENMORE -20C			BASEMENT ACROSS FROM B23	
90	OUT OF SERVICE		ICYCLER	584BR4674		BASEMENT STORAGE	
91	IN SERVICE	22011	VWR INCUBATOR BOD MODEL 2020	11008808	12/8/2008	B214	
92	IN SERVICE	22012	VWR FORCED AIR OVEN	4074008	1/19/2000	B210	
93	IN SERVICE	P1653	INCUBATOR FISHER SCIENTIFIC	70900233	8/18/1997	B214	
94	IN SERVICE	P2039	NUTRIENT ANALYSIS LACHAT	A830001195	3/20/1998	BASEMENT	
95	IN SERVICE	P2381	DIGIFLEX CDC	7373	9/19/2007	B210	
96	IN SERVICE	P2472	ANALYST 600 AA	600S8120202	1/15/2009	B213	
97	IN SERVICE	P2474	PERKIN ELMER OPTIMA 5300DV	077C8121701	6/18/2008	B213	
98	IN SERVICE	P2477	MANSI MANTECH MUTIPARAMETER AU	CAC810050P	7/3/2008	B210	
99	IN SERVICE	P2478	DIONEX ICS-2000 ION CHROMATOGRAPH	8050780	6/16/2008	B210	
100	IN SERVICE	P2479	HACH LACHAT QUIK CHEM	80600000587	6/25/2008	B210	
101	IN SERVICE		BAKER CLASS II BIOLOGICAL SAFETY C	95558	7/1/2009	B210	
102	IN SERVICE	3195	OPTIMA 3000XL ICP	069N4121601	1/1/1995	B213	
103	IN SERVICE		ELAN CRC PLUS ICP	L0520204	1/1/1998	B213	
104	IN SERVICE		6890N GAS CHROMATOGRAPH	CN10449121	1/1/2004	B214A	

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	A	B	C	D	E	F	G	
3	Current Status	Tag No	Description	Serial No	Acquistion Date	Physical Location		
105	IN SERVICE		AGILENT 6890 GAS CHROMATOGRAPH	US10508005	2/15/2005	B214A VOC CN		
106	IN SERVICE		AGILENT 5973 MSD	US44630614	2/15/2005	B214A VOC CN		
107	IN SERVICE		AGILENT 6890 N GAS CHROMATOGRAPH	US10543048	2/15/2006	B214A NERVE AGENTS		
108	IN SERVICE		AGILENT 5973 MSD	US539331122	2/15/2006	B214A NERVE AGENTS		
109	IN SERVICE		AGILENT 6890 GAS CHROMATOGRAPH	US00037389	3/15/2000	B214A VOC		
110	IN SERVICE		AGILENT 5973 MSD	US01160186	3/15/2000	B214A VOC		
111	IN SERVICE		TELEDYNE PURGE AND TRAP	US08305005	6/28/2009	B214A		
112	IN SERVICE		WATERS 2695 HPLC	E065M7123M	4/15/2007	B214A		
113	IN SERVICE		LEEMAN HYDRA AA MERCURY ANALYZE	8026	6/1/2009	B217		
114	IN SERVICE		LEEMAN HYDRA C MERCURY ANALYZE	9026	6/1/2009	B217		
115	<b>REAGENT RENTALS</b>							
116	IN SERVICE		DTS GENESIS RSP100 TECAN GENPROBE	7112		B108		
117	IN SERVICE		APTIMA SYSTEM, GENPROBE			B108		
118	IN SERVICE		PLATE READER, ELX800 WAMPOLE	137377		B109		
119	IN SERVICE		MAS MICROPLATE SYSTEM BIORAD	35670		B109		
120	IN SERVICE		EVOLIS BIORAD	9163700908		B109		
121	IN SERVICE		VICTOR 2 D PERKIN ELMER WALLAC	4203137		B110		
122	IN SERVICE		RESOLVE HGB SYSTEM WALLAC	1J443035-1-A		B110		
123	IN SERVICE		LEADER 450i GENPROBE	122000		B116		
124	IN SERVICE		MGIT BECTON DICKENSON			B116		
125	IN SERVICE		GENE AMP 9600 ROCHE	S01620		B134		
126	IN SERVICE		LEADER HC+ GENPROBE	400282		B135		

## Appendix F

LABORATORY SERVICES BUREAU			7/24/2008		
PUBLIC HEALTH LABORATORY TEST FEES			ENVIRONMENTAL LABORATORY TEST FEES		
August 1, 2008 to June 30, 2009			August 1, 2008 to June 30, 2009		
CPT	TEST NAME	FEE	CODE	TEST NAME	FEE
<b>SEROLOGY</b>			<b>ANIONS</b>		
			ANIONSCAN	ANION SCAN	28.50
86703	HIV 1 / 2 Antibody Supplemental	45.00	BAL	CATION-ANION BALANCE	3.25
86790	Hantavirus IgG	44.50	BR-IC	BROMIDE BY IC	18.20
86791	Hantavirus IgM	44.50	CLFREE	CHLORINE, FREE RESIDUAL	11.50
83655	Blood Lead	19.50	CL-IC	CHLORIDE BY IC	25.00
86592	VDRL, Qualitative	13.00	F-IC/FI-HS-IC	FLOURIDE BY IC	21.50
86593	VDRL, Quantitative	13.25	ICSCAN	IC SCAN	26.00
86609	RMSF IgG	20.00	NH3	AMMONIA , TOTAL AS N	18.50
86622	Brucella, Total Ab	18.00	NO2-IC	NITRITE BY IC	18.50
86638	Q Fever, Phase 1 and 2, IgG	20.00	NO3	NITRATE PLUS NITRITE	18.50
86644	CMV, IgG	20.00	NO3-HUD	NITRATE FOR HUD	18.50
86645	CMV, IgM	35.50	NO3NO2	NITRATE+NITRITE BY IC	18.50
86653	SLE IgM Serology	18.00	NO3-IC	NITRATE BY IC	18.50
86668	Tularemia, Total Ab	18.00	OP	PHOSPHORUS-ORTHO	18.50
86689	HIV Western Blot	115.50	SO4-IC	SULFATE BY IC	25.00
86695	Herpes I Type Specific Ab	20.00	SRP	PHOSPHORUS, SOL. REACT.	18.50
86696	Herpes II Type Specific Ab	20.00	TKN	NITROGEN, TOTAL KJELDAHL	35.00
86703	HIV 1 / 2 + O Antibody test	20.00	TKNDIS	NITROGEN, KJELDAHL, DISS.	36.00
86704	Total HepB core Ab	34.50	TN	NITROGEN, TOTAL	6.25
86705	Hepatitis B core IgM	30.00	TP	PHOSPHORUS, TOTAL	31.00
86706	Hepatitis B surface Antibody	23.25	TPN	TOTAL PERSULFATE NITROGEN	29.00
86709	Hepatitis A IgM	30.00	TRC	CHLORINE, TOTAL RESIDUAL	13.25
86713	Legionella IgG	20.00			
86735	Mumps IgG, IgM	20.00	<b>METALS</b>		
86762	Rubella IgG, IgM	20.00	AG	SILVER	11.50
86765	Rubeola IgG, IgM	20.00	AGDIS	SILVER, DISSOLVED	11.50
86777	Toxoplasma IgG	20.00	AGSED	SILVER, SEDIMENT	11.50
86778	Toxoplasma IgM	35.50	AGTR	SILVER, TOTAL RECOVERABLE	11.50
86781	FTA-ABS for Syphilis Confirmation	32.25	AL	ALUMINUM	11.50
86787	Varicella Zoster Virus IgG	20.00	ALDIS	ALUMINUM, DISSOLVED	11.50
86788	West Nile Virus IgM	18.00	ALSED	ALUMINUM, SEDIMENT	11.50
86789	West Nile Virus IgG	18.00	ALTR	ALUMINUM, TOTAL RECOVER	11.50
86790	Colorado Tick Fever Virus IgG	20.00	AS	ARSENIC	22.00
86803	Hepatitis C Antibody	34.50	ASDIS	ARSENIC, DISSOLVED	22.00
87340	Hep B Surface Antigen (HBsAg)	20.50	ASSED	ARSENIC, SEDIMENT	22.00
86747	Parvovirus B19 (Test Sendout)	10.00	ASTR	ARSENIC, TOTAL RECOVER	22.00
			B	BORON	11.50
<b>NEWBORN SCREENING</b>			BA	BARIIUM	11.50
	<b>Newborn Screening Panel A</b>		BADIS	DISSOLVED BARIUM	11.50
84030	PKU	11.80	BAL	CATION-ANION BALANCE	3.25
82775	Galactosemia	12.88	BASED	BARIIUM, SEDIMENT	11.50
84437	Thyroxine	11.50	BATR	BARIIUM, TOTAL RECOVER	11.50
83020	Hemoglobin IEF	10.12	BE	BERYLLIUM	11.50
83516	Cystic Fibrosis	11.50	BEDIS	DISSOLVED BERYLLIUM	11.50
			BESED	BERYLLIUM, SEDIMENT	11.50
	<b>Newborn Screening Panel B</b>		BETR	BERYLLIUM, TOTAL RECOVER	11.50
82017	Acylcarnitines, MS/MS	11.75	BTR	BORON, TOTAL RECOVERABLE	11.50
82261	Biotinidase	6.00	CA	CALCIUM	11.50
83498	Congenital Adrenal Hyperplasia	11.50	CADIS	CALCIUM DISSOLVED	11.50
82136	Aminoacidopathies MS/MS	4.65	CATSCAN	CATION SCAN	28.50
			CD	CADMIUM	11.50
	<b>Other Newborn Screening tests</b>		CDDIS	CADMIUM, DISSOLVED	11.50
84443	Thyroid Stimulating Hormone (TSH)	10.12	CDS	CADMIUM, SEDIMENT	11.50
87143	Hemoglobin HPLC Confirmation	33.00	CDTR	CADMIUM, TOTAL RECOVER	11.50
			CO	COBALT	11.50
<b>MICROBIOLOGY</b>			COTR	COBALT TOTAL RECOVER	11.50
	Autoclave Monitor	19.50	CR	CHROMIUM	11.50
87081	Surveillance Culture Confirmation	31.20	CR + 6	CHROMIUM, HEXAVALENT	36.50
87187	Antimicro Susc Conf, eTest per agent	15.00	CREAT	CREATININE	16.75
87186	Bact Suscept (Send Out)	20.00	CRDIS	DISSOLVED CHROMIUM	11.50
87081	Antimicro Susc ID Confirm	31.20	CRSED	CHROMIUM, SEDIMENT	11.50
87207	Crypto/Cyclo stain	27.50	CRTR	CHROMIUM, TOTAL RECOVER	11.50
	Enteric Panel	39.60	CU	COPPER	11.50
87045	Stool Culture, Salm and Shig	13.20	CUDIS	COPPER, DISSOLVED	11.50
87046	Stool Culture, Other Agents, Ecoli	13.20	CUSED	COPPER, SEDIMENT	11.50
87046	Stool Culture, Other Agents, Campy	13.20	CUTR	COPPER, TOTAL RECOVER	11.50
			DWIPES	LEAD DUST WIPES	22.50
87070	Aerobic Culture with presump ID	20.00	FE	IRON	11.50
87077	Aerobic Isolate, add'l method of ID	17.50	FEDIS	IRON, DISSOLVED	11.50
87075	Anaerobic Culture with presump ID	20.00	FESED	IRON, SEDIMENT	11.50
87076	Anaerobic Isolate, add'l method of ID	20.00	FETR	IRON, TOTAL RECOVERABLE	11.50

## Appendix F

LABORATORY SERVICES BUREAU			7/24/2008		
PUBLIC HEALTH LABORATORY TEST FEES			ENVIRONMENTAL LABORATORY TEST FEES		
August 1, 2008 to June 30, 2009			August 1, 2008 to June 30, 2009		
CPT	TEST NAME	FEE	CODE	TEST NAME	FEE
87081	Bacterial Culture Screen	31.20	FULLSCAN	SCAN, FULL METAL	115.00
87324	C difficile Toxin Test	25.50	HARD	HARDNESS AS MG/L CaCO3	26.00
87449	EHEC Toxin	25.50	HG	MERCURY	53.00
87101	Fungal Culture, skin	35.00	HGTMDL	MERCURY BY ICP-MS	22.00
87102	Fungal Culture, Other	35.00	K	POTASSIUM	11.50
87103	Fungal Culture, Blood	35.00	LANG-X	LANGELIER INDEX	4.00
87106	Fungal ID, each yeast	15.00	MG	MAGNESIUM	11.50
87107	Fungal ID, each mold	15.00	MG-HARD	MAGNESIUM HARDNESS	5.72
87278	Legionella DFA	23.00	MN	MANGANESE	11.50
87207	Malaria Smear	27.50	MNDIS	DISSOLVED MANGANESE	11.50
87177	O & P Conc. ID	20.75	MNSED	MANGANESE, SEDIMENT	11.50
87209	O & P Trichrome	20.75	MNTR	MANGANESE, TOTAL RECOVER	11.50
87205	Smear for Bacteria	13.75	MO	MOLYBDENUM	11.50
87147	Agglutination Grouping, each antisera	17.50	MOTR	MOLYBDENUM TOTAL RECOVER	11.50
87140	IFA Bacterial Typing, each antisera	17.50	NA	SODIUM	11.50
87149	Bact ID by Nucleic Acid Probe	28.00	NI	NICKEL	11.50
87172	Pinworm Examination	20.75	NIDIS	NICKEL, DISSOLVED	11.50
87185	Beta-Lactamase	6.00	NISED	NICKEL, SEDIMENT	11.50
			NITR	NICKEL, TOTAL RECOVER	11.50
<b>TB</b>			PB	LEAD	22.00
87206	Modified AF Stain	13.75	PBDIS	LEAD, DISSOLVED	22.00
87176	Homogenization tissue for culture	8.50	PBSED	LEAD, SEDIMENT	22.00
87015	AFB Concentration	14.50	PBTR	LEAD, TOTAL RECOVERABLE	22.00
87116	Mycobact. Culture	31.25	PBMWDIG	LEAD IN PAINT	46.50
87190	Mycobact. Suscept, each agent	14.50	RMBCURINE	URINE METALS PANEL	39.50
87206	Acid Fast Stain	13.75	RMBCWATER	WATER METALS PANEL	39.50
87550	Mycobacterium sp. Probe	23.00	SAR	SODIUM ABSORPTION RATIO	35.00
87555	M TB Probe	23.00	SB	ANTIMONY	22.00
87556	TB Direct Amplification Test	175.00	SBDIS	ATIMONY, DISSOLVED	22.00
87560	MAC Probe	23.00	SBSED	ANTIMONY, SEDIMENT	22.00
			SBTR	ANTIMONY, TOTAL RECOVER	22.00
<b>VIROLOGY</b>			SCAN	SCAN FOR METALS BY ICP	44.00
87252	Herpes Culture	24.00	SCANSOLID	METAL SCAN FOR SOLIDS	40.00
87110	Chlamydia Culture	36.75	SE	SELENIUM	22.00
87253	Virus ID, add'l ID (HAd, IFA, Neut)	28.50	SESED	SELENIUM, SEDIMENT	22.00
87252	Viral Culture	36.75	SEDIS	SELENIUM, DISSOLVED	22.00
87273	HSV1 DFA	11.50	SETR	SELENIUM, TOTAL RECOVER	22.00
87274	HSV2 DFA	11.50	SI	SILICON	11.50
87280	RSV Direct Detect.	23.00	SOILSCAN	SCAN FOR METALS IN SOIL	78.00
87290	VZV DFA	23.00	SN	TIN	11.50
87254	CMV Shell Vial Culture	27.50	SR	STRONTIUM	11.50
			SRTR	STRONTIUM. TOTAL RECOVERY	11.50
<b>PFGE/Food Testing</b>			TI	TITANIUM	11.50
	Confirm + PFGE	114.00	TL	THALLIUM	22.00
	PFGE, each add'l enzyme	79.50	TLSED	THALLIUM, SEDIMENT	22.00
			TLDIS	THALLIUM, DISSOLVED	22.00
<b>MOLECULAR</b>			TLTR	THALLIUM, TOTAL RECOVER	22.00
87798	PCR Norovirus	85.00	TMDLHARD	TMDL HARDNESS	7.50
87498	NAAT Enterovirus	85.00	U	URANIUM	11.50
87798	PCR INF A	74.00	V	VANADIUM	11.50
87798	PCR INF B	74.00	WELLSCAN	SCAN FOR METALS IN WELL	35.00
87798	PCR Anthrax	74.00	ZN	ZINC	11.50
87798	PCR Adenov	74.00	ZNDIS	ZINC DISSOLVED	11.50
87798	PCR plague	74.00	ZNSED	ZINC, SEDIMENT	11.50
87798	PCR Varicella Zoster Virus	74.00	ZNTR	ZINC, TOTAL RECOVERABLE	11.50
87798	PCR tularemia	74.00			
87798	PCR pertussis	85.00	<b>MICRO</b>		
87798	PCR Brucella spp.	74.00	DILUTION	DILUTION OF BACT SAMPLE	5.75
87798	PCR Vaccinia	74.00	ECOLI	ECOLI VERIFICATION	6.75
87798	PCR Burkholderia spp.	74.00	ECQT	E COLI BY QUANTITRAY	24.00
87529	PCR HSV	85.00	FCOLIF	WATER FECAL COLIFORM	28.50
87522	Hep C RNA quantification	122.50	FE-BACT	IRON BACTERIA IN WATER	24.00
87902	HCV Genotype	85.00	HPC	HETEROOTRPHIC PLATE COUNT	28.50
			S-BACT	SULFUR BACTERIA IN WATER	24.00
<b>MISC</b>			TCPA	TOTAL COLIFORM, PRES/ABS	21.00
Varies	Test Sendout to CDC	10.00	TCQT	TOTAL COLIFORM COUNT	24.00
Varies	Dangerous Sendout	65.00			
			<b>ORGANICS</b>		
<b>STD</b>			DRO	DIESEL RANGE ORGANIC	110.00
87491	Chlamydia Nucleic Acid Amplification	42.00	BTEXCRN	BTEX SCREEN	40.00
87591	Gonorrhea Nucleic Acid Amplification	42.00			

# Appendix F

LABORATORY SERVICES BUREAU			7/24/2008		
PUBLIC HEALTH LABORATORY TEST FEES			ENVIRONMENTAL LABORATORY TEST FEES		
August 1, 2008 to June 30, 2009			August 1, 2008 to June 30, 2009		
CPT	TEST NAME	FEE	CODE	TEST NAME	FEE
			DW508SL	CHLORINATED PESTICIDES	30.00
			DW515	CHLOROPHENOXY HERBICIDES	187.20
			DW525	SOCS BY EPA 525	335.00
			EPA 8260	VOC BY EPA 8260	325.00
			EPA 8270	SOC BY EPA 8270	325.00
			EPH	EXTRACTABLE PETRO HYDRO	240.00
			DW531	CARBAMATE PESTICIDES	215.00
			DW552	HALOACETIC ACIDS	185.00
			GRO	GASOLINE RANGE ORGANICS	105.00
			PHTHALATE	PHTHALATE BY EPA	185.00
			ROTENONE	ROTENONE TESTING	200.00
			TPH	TOTAL PETRO HYDROCARBON	70.00
			THM	TOTAL TRIHALOMETHANES	130.00
			VOCREG	REGULATED VOCS	160.00
			WELLHERB	HERBICIDE/PESTICIDE SCREEN	60.00
			WELLPEST	PESTICIDE SCREEN	60.00
			WELLPETRO	PETROLEUM SCREEN FOR WELLS	50.00
			WELLVOC	WELL VOC	26.00
			<b>PHYSICAL</b>		
			ALK	ALKALINITY IN WATER	18.75
			ALPHARAD	GROSS ALPHA RADIOACTIVITY	84.25
			DISSECT	DISSECTION OF INVERTEBRATE	8.50
			FILTER	FILTRATION IN LAB	8.00
			FS-VS	FIXED AND VOLATILE SOLIDS	15.50
			GLZEXT	GLAZE EXTRACTION	9.00
			MOIST%	PERCENT MOISTURE	6.25
			MWDIG	MICROWAVE DIGESTION	24.50
			PH	PH IN WATER	9.25
			PH-SOIL	PH IN SOLIDS	45.75
			RAD-COMB	COMBINED RADIUM 226+228 IN	182.00
			SPC	SPECIFIC CONDUCTANCE	9.25
			TDS	TOTAL DIS SOLIDS AT 180 C	11.50
			TRDIG	TR METALS DIGESTION	14.50
			TSS	TOTAL SUSP. SOL. 105 C	11.50
			TURB	TURBIDITY IN WATER	9.25
			<b>WET CHEM</b>		
			ASHFR	ASH-FREE DRY MASS	26.00
			BOD	BIOCHEM OXYGEN DEMAND	50.00
			CLPH-P	CHLOROPHYLL, PERIPHYTON	39.75
			CBOD	CARBONACEOUS BOD	50.00
			CBOD-20	CARBONACEOUS BOD-20 day	50.00
			CLPH-H	CHOLOROPHYLL IN HOOP SAMPLE	39.75
			CLPH-S	CHLOROPHYLL IN SEDIMENT	39.75
			CLPH-W	CHLOROPHYLL A IN WATER	39.75
			CLPH-PHEO	CHLOR PHEOPHY	39.75
			CN	CYANIDE IN WATER	47.00
			COD	CHEM OXYGEN DEMAND	51.00
			DO	DISSOLVED OXYGEN	7.00
			O+G	OIL AND GREASE IN WATER	65.50
			PHENOL	TOTAL PHENOLICS	52.00
			S	SULFIDE IN WATER	51.00
			TOC	TOTAL ORGANIC CARBON	37.50
			TANNIN	TANNIN AND LIGNIN	37.50
			TRC	TOTAL RESIDUAL CHLORINE	13.25
			<b>MISC</b>		
			RADON	RADON 222 IN WATER	62.00
			RUSH	RUSH SAMPLE ONE WEEK	50.00
			RUSH-1	RUSH SAMPLE NEXT DAY	90.00
			RUSHSED-1	RUSH SOLIDS 1 WEEK	50.00
			RUSHSED-2	RUSH SOLIDS 2 DAY	90.00