

Graham, B. A. and Burg, T. M. 2012. Molecular markers provide insight into contemporary and historic gene flow for a non-migratory species. – *J. Avian Biol.* 43: 198–214.

Supplementary material

Appendix 1: Variable sites table for 825 bp fragment of mtDNA control region haplotypes (hap) in hairy woodpeckers. Sequences begin at site 14940 of the L strand (referenced from pileated woodpecker (*Dryocopus pileatus*) genome; GenBank accession no. DQ780879).

Hap	Variable sites starting at 14940 L strand				
	111111	1111122222	2222333344	4566667788	
	22447778	8899011125	5677700022	4588236868	8066798901
	1267370790	3503714924	6105603404	9058628260	1305721016
A	GTTGAGACCT	CACGATCTCT	CTCCCCATTC	GTCCCATTTA	CAGGAGTAGC
B	.....	.....T.	.....	.....	.....
C	.....	.....T.	.....	A.....	.....
D	.....	.....T.	.....	A.....	..A.....
E	.....	.....T.	..T.....	A.....	.....
F	.....	.....T.	.C.....	A.....	.....
G	.....	.....T.	.C.....	A.....	..A.....
H	.....	.....T.	.C.....	A.....	..AA.....
I	.....	.....T.	.C.....CT	A.....	..A.....
J	.....	.....T.	.C.....	A.T.....	..A.....
K	.....	.....T.	.C.....T	A.....	..A.....
L	.....	.....T.	.C.....	A..T.....	..A.....
M	.....	.....T.	.C.T.....	A.....	..AA.....
N	.....	.....TC	.CT.....	A.....	..A.....
O	.....	.G.....T.	.....	.....	.....
P	.....	.G.....T.	.....	A.....	.....
Q	.....T..	.....C	..TT.....T	ACTTT.....	TT.....
R	.....T..	.....T.	.....	.....	.....
S	.....T..	.....T.	.....	A.....	.....
T	.....T..	.....T.	.....	A.....	.....G..
U	.....T..	.....T.	.....	A.....	..A.....
V	.....T..	.....T.	.....	A.....	..A.....
W	.....T..	.....T.	..T.....	A.....	.....
X	.....T..	.....T.	.C.....	A.....	.....
Y	.....T..	.....T.	.C.....	A.....	..A.....
Z	.....T..	.....T.	.C..T.....	A.....	..A.....
AA	.....T..	.....TC	..T.....T	ACT-.....	TT.....
AB	.....T..	.....TC	..T.....T	ACT.T.....	TT.....
AC	.....T..	.....TC	..TT.....T	ACT.T.....	TT.....
AD	.....T..	.....TC	..TT....CT	A.TTT.....	TTA.....
AE	.....T..	.....TC	..TT....CT	ACTTT.....	TT.....A.
AF	.....T..	.....TC	..TT.T...T	AC.TT.....	TT.....
AG	.....T..	.....CTC	..TT.....T	ACT.T.....	TT.....
AH	.....T..	.....CTC	..TT..G.CT	AC.....	TT.....
AI	.....T..	T.....CTC	..TT..G..T	ACT.....	TT.....
AJ	.....T..	.....CTC	..TT..G.CT	ACT.....	TT.....
AK	.....T..	.G.....T.	.C..T.....	A.....	..A.....

AL	.....T..	.G.....T.	.....	A.....	.....
AM	.....T..	.G.....T.	.C.....	A.....	..A.....
AN	.....T..	T.....CTC	..TT..G..T	AC.....	TT.....
AO	.....T..	.....TC	..TT.....T	ACTTT.....	TT.....
AP	.....T..	T.....CTC	..TT..G..CT	AC.....	TT.....
AQ	...G..TT.	.....TC	..TT..G..CT	AC.....	TT.....
AR	.....T..	TG.....T.	..TT.....T	.....T	.TA.....NN
AS	.....T..	.....T.	.C.....	.....	..A.....

boreal-east

CAB2	.....	.....T.	.....	A.....	.....G..
CBC3	.....T..	.....T.	.C.....T	A.....	.....
CBC6	NN.....	.....T.	.C.....	.....	.....
CBC8	A.....	.....T.	.....	A.....	.....G..
CBC9	A.....T..	.....T.	.C.....	A.....	..A.....
LA3	.....T..	.....T.	.C.....CT	A.....	..A.....N
ME1	.....	.....T.	.CT.....	A.....	.....
MI4	.....T..	.....T.	.C.....	.....C..	..A.....
MI8	.....T..	.....T.	.C.....C.	A.....	..A.....
MI10	.....	.....	.C.....	.....	..A.....
MI12	.....T..	.....T.	.C.....	.....C.C.	.....
MI13	.....	.....T.	.C.....	A.....C..	.....
MI14	.....	.....TC	.....	A.....	.....
MO1	.....T..	.....T.	.C.....	A.....	..AA..NNNN
MT18	.N.....T..	.....T.	A.....	A.....	..A.....
MT19	.....T..	.....T.	.C.....	A.....G..	..A.....
NBC2	A.....	.....T.	.....	.....	.....
NBC7	.....	T.....T.	.C.....	A.....	..A.....
NC10	NN.....	.....T.	.C.....	A.....	.T.....
NC11	.....	.....T.	.CT.....	A.....	..AA.....
NC15	.....T..	.T.....T.	..T...C..	A.T.....	.....
NEOR1	NNNNNNNNNN	NN...C..T.	.C.....	A.....	..A...NN
NEOR4	.....T..	.....CT.	.C.....	A.....	..A...NN
NL9	.....	.G.....T.	.....	A.....	.....A.
NL10	.....GT..	.....CT.	.....	A.....	..A.....
NS5	.....T..	.....T.	.....	A.....	..AA..NNNN
NS8	.....T..	.....T.	.....	A.T.....	.....
NS12	.....	.....T.	..T.....	A.....	.....C..
NS14	.....	.G.....T.	.C.....	A.....	..AA.....
NS22	.....T..	.....T.	.C.....	.....	.....NNNN
ON4	.....T..	..T...T.	.C.....	A.....	..A.....
ON5	NNNNNNNNNN	NN...CT.	.....	A.....	..A.....
ON11	.....T..	.....T.	.C...G..	A.....	.....
ON14	.....	.....T.T.	.....	A.....	..A.....
ON17	..CA.....	.....T.	.....	A.T.....	.....
SAB7	.....T..	.....T.	.C...G..	A.....	..A.....
SK3	.....T..	.....T.	.....	.....	.....G.N

SSK1	.....T..	.....T.	.....	.....	.T.....G..
SSK2	.....T..	.....T.	.C.....	AC.....	..A.....
VI3	.....T..	.N.....T.	.....	AC.....	.....NNNN
WI2	.....T..	.....T.	.C.....	.....	..A.....
WI3	.....T..	.....T.	.....	.....	..A.....T

SE Rocky Mountains

AZ4	.....A.T..	.....TC	..TT.....T	ACT.T.....	TT.....
AZ5	.....A.T..	.....TC	..TT.....T	ACTTT.....	TT..N.NNNN
AZ6	.....A.TT.	.....TC	..TT....CT	AC.TT.....	TT....NNNN
AZ7	.....T..	.G.....CTC	..TT....CT	A.T.T.....	TT.....
CO1	.....T..	.....TC	..TT.....T	A.TTT.....	TT..G.....
CO2	.....T.A	.....TC	..T.....T	ACT.T.....	TT..G.....
CO5	.N.....T..	.....TC	..TT.....T	AC..T.....	TT.....
CO20	.....T..	.....TC	..T.....T	AC..T.....	TT.....
SAB8	.....T..	.....TC	.CT....CT	ACTTT.....	TTA.....
SCA15	.....T..	.....TC	..TT.....T	AC.TT.....	TT.....
SD2	.....TT.	.....TC	..T....CT	AC..T.....	TT.....
SOR6	.....T..	.....TC	..TT..G..T	ACTTT.....	TT.....
UT2	.....T..	T.....TC	..TT.....T	ACT.T.....	TT.....
UT5	.....T..	T.....TC	..TT.....T	ACT.T.....	TT..T.....
UT6	.C.....T..	.....TC	..T.....T	AC..T.....	TT.....
WA19	.....T..	.....CTC	..TT....CT	ACT.T.....	TT.....

Pacific Coast

CoOR3	.....TT.	.....CTC	..TT..G..CT	AC.....	TT.....A.
QCI2	NNNNN..T..	T.....CT.	.CTT..G..CT	AC.....	TT.....
QCI7	.N.....T..	T.....CTC	..TT..G..CT	AC.....	TT....NNNN
SCA2	.....T..	.....CTC	.CTT....CT	ACT.....	TT....NNNN
SOR1	.....T..	.....CTC	..TT..G..CT	AC.....	TT.....A.
SOR7	.....T..	.....CTC	..TT..G..CT	ACT.....	TT.....A.
SOR8	.....TT.	.....CTC	..TT..G..CT	AC.....	TT.....
SOR17	.....T..	TG....CTC	..TT..G..CT	ACT.....	TT.....
SOR22	.....T..	T.....TC	..TT..G..T	ACT.....	TT...NNNNN
SOR23	.....T..	TG....CTC	..TT..G..CT	AC.....	TT....NNN
VI2	.....T..	T.....CTC	..TT..G..T	ACT.....N	N.....
VI4	.....T..	T.....CTC	..TT..G..CT	ACT.....	TT.....
VI5	.C.....T..	T.....CTC	..TT..G..CT	ACT.....	TT.....
WA4	.....TT.	.....CTC	..TT..G..CT	ACT.....	TT.....
WA8T..	T.....CTC	..TT..G..T	ACT.....	TT.....A.
WA9T..	T.....CT.	..TT..G..T	AC.....	TT.....

Central America

PAN2T..	TG.....T.	..TT.....TT	TTA..NNNNN
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AA																							1	2				3						
AB																										1	4		5					
AC																							1	3			4		8					
AD																										2		1	3					
AE																											2		1	3				
AF																										2	1			3				
AG																											4			4				
AH																				2							9			11				
AI																				2	1						3			6				
AJ																				1	1		1			2	3			8				
AK														1							1									2				
AL													1	1																2				
AM			1								1																			2				
AN																				1		1				2				4				
AO																											1	1		2				
AP																					1					4				6				
AQ																														2				
AR																													11	11				
AS			1													1														2				
Singles		1	4		1			1	6	1	2	2	2	3	2	5	5	2	1	2	2	4	7		1	4	2	3	4	4	1	3	1	75
Nh	2	1	4	11	5	3	3	1	11	3	9	6	5	7	8	16	10	4	3	2	6	10	16	2	4	5	5	6	6	12	4	9	2	120
# ind	10	2	7	18	11	3	4	1	14	3	20	10	6	7	13	19	15	7	3	2	6	21	22	2	4	5	9	19	7	20	5	15	12	322

Appendix 3: Locality information listed by population. Id refers to individual identification for each sample (sampling site and individual bird number). Haplotype refers to the mtDNA haplotype individuals belong to as shown in Figure 3. Museum samples from Burke Museum (UWBM), Smithsonian (SMITH), Royal Alberta (RABM), University of Northern British Columbia (UNBC), Louisiana State (LSUMZ), University of Michigan (UMI), North Carolina Museum (NCMNS), University of Columbia (UCOM), Queen’s University (QU), American Museum of Natural History (AMNH), Canadian Museum of Nature (CMN), Royal Saskatchewan (RSKM), Royal BC (RBCM) and Field Museum Chicago (FMC). All remaining samples were collected by us in the field.* Denotes samples were used for microsatellite analyses.

Location	Band/ Voucher number	id	haplotype	Museum	Latitude (°N)	Longitude (°W)
AK-Alaska						
Eagle River Rd, AK	812-50886	AKA001	A	*	64.24	-149.29
Houston, AK	UWBM# 53974 DAB 726	AKA002	A	* UWBM	61.28	-149.95
Houston, AK	UWBM# 53988 DAB 740	AKA003	A	* UWBM	61.28	-149.95
Houston, AK	UWBM# 53978 DAB 730	AKA004	G	* UWBM	61.28	-149.95
Elmendorf Air Force Base, Anchorage, AK	tissue#B13383 voucher#601784	AKA005	G	* SMITH	61.16	-149.47
Elmendorf Air Force Base, Anchorage, AK	tissue#B13395 voucher#601818	AKA006	A	* SMITH	61.18	-149.48
Eagle River nature center, AK	1342-17004	AKA007	A	*	64.88	-147.04
Eagle River nature center, AK	1342-17005	AKA008	A	*	61.23	-148.73
North Fork Eagle river, AK	1342-17006	AKA009	A	*	61.30	-148.47
Two Rivers Road, AK	2331-08701	AKA010	A	*	64.88	-146.96
AZ Arizona						
Dorman Dr. Forest	1272-31650	AZ001	AF	*	35.15	-110.34
Dorman Dr. Forest	1272-31651	AZ002	AF	*	35.15	-110.34
XYRanch RD 2	1272-31652	AZ003	AC	*	35.16	-110.35
XYRanch RD 2	1272-31653	AZ004	AZ4	*	35.16	-110.35
XYRanch RD 2	1272-31654	AZ005	AZ5	*	35.16	-110.35
Lake Mary Rd 2	1272-31655	AZ006	AZ6	*	35.15	-110.35
Lake Mary Rd 3	1272-31656	AZ007	AZ7	*	35.15	-110.36

BCR- British Columbia Revelstoke

Arrow Lakes Reservoir	1731-05816	BCR001	Y	*		50.98	-118.19
Revelstoke Dump , Revelstoke BC	1731-05817	BCR002	Y	*		51.02	-118.23

CAB-central Alberta

Edmonton, AB	1603-90501	CAB001	G	*		53.53	-113.55
Edmonton, AB	1731-05302	CAB002	CAB2	*		53.48	-113.56
Mt. Robson, BC	991-19824	CAB003	B	*		53.02	-119.22
west of Alder Flats, Improvement District 11, AB	Z95.15.23, cat#30265	CAB004	G	*	RABM	52.92	-115.07
west of Alder Flats, Improvement District 11, AB	Z95.15.24, cat#30251	CAB005	C	*	RABM	52.92	-115.07
Chain Lakes, AB	Z98.6.26, cat#32886	CAB006	B	*	RABM	54.98	-113.50
Chain Lakes, AB	Z98.6.27, cat#32887	CAB007	G	*	RABM	54.98	-113.50

CBC-central British Columbia

Prince George, BC	1731-05303	CBC001	T	*		53.89	-122.82
Fort St. James, BC	1731-05312	CBC002	G	*		54.47	-124.47
Prince George, BC	1731-05304	CBC003	CBC3	*		53.89	-122.82
Prince George, BC	1731-05305	CBC004	G	*		53.92	-122.73
Prince George, BC	1731-05306	CBC005	G	*		53.92	-122.73
Fort St. James, BC	1731-05308	CBC006	CBC6	*		54.40	-124.29
Fort St. James, BC	1731-05309	CBC007	B	*		54.40	-124.29
Fort St. James, BC	1731-05310	CBC008	CBC8	*		54.40	-124.29
Fort St. James, BC	1731-95311	CBC009	CBC9	*		54.40	-124.29
Fort St. James, BC	1731-05313	CBC010		*		54.41	-124.27
Fort St. James, BC	1731-05325	CBC011	M	*		54.40	-124.29
Prince George, BC	UNBC specimen # 08-5	CBC012	R	*	UNBC	53.92	-122.77
Fort St. James, BC	1731-05307	CBC013	M	*		54.40	-124.29
Prince George, BC	UNBC specimen # 07-17	CBC014	G	*	UNBC	53.92	-122.77
Prince George, BC	UNBC specimen # B-337	CBC015		*	UNBC	53.92	-122.77
Prince George, BC	UNBC specimen # 07-16	CBC016	G	*	UNBC	53.92	-122.77

Prince George, BC	UNBC specimen # B-208	CBC017	F	*	UNBC	53.92	-122.77
Prince George, BC	UNBC specimen # B-231	CBC018	AS	*	UNBC	53.92	-122.77
Prince George, BC	Frozen specimen	CBC019	G	*	Frozen	53.92	-122.77
Prince George, BC	UNBC specimen # 8083	CBC020	G	*	UNBC	53.92	-122.77
Hazelton, BC	019091	CBC021		*	RABM	55.25	-127.67
CeOR- central Oregon							
Prineville, Crook Co. OR	UWBM# 69484 AWH 026	CeOR001	Y	*	UWBM	44.30	-120.83
Sunriver, Deschutes Co. OR	UWBM# 64480 WLK 110	CeOR002	AI	*	UWBM	43.88	-121.44
CO-Colorado							
Rist Canyon (Fire Station 3), CO	1272-31611	C0001	CO1	*		40.62	-105.35
Rist Canyon (Fire Station 3), CO	1272-31612	C0002	CO2	*		40.62	-105.35
Rist Canyon, CO	1272-31613	C0003	Q	*		40.63	-105.33
Poudre National Forest, CO	1272-31614	C0004	AF	*		40.66	-105.56
20 km W of Solder (Jans), CO	1272-31615	C0005	CO5	*		39.78	-105.36
20 km W of Solder (Jans), CO	1272-31616	C0006	AE	*		39.78	-105.36
Rollands Pass Road (FS 149), CO	1272-31618	C0007	AG	*		39.91	-105.61
10 km NE of BlackHawk (Bob Clemans), CO	1272-31619	C0008	Q	*		39.82	-105.39
Pickle Gulch, CO	1272-31620	C0009	AC	*		39.84	-105.52
Pickle Gulch, CO	1272-31621	C0010	AE	*		39.84	-105.52
N of Cottonwood (Stuart Wheeler), CO	1272-31622	C0011	AC	*		39.78	-105.39
N of Cottonwood (Trent and Cindy Miller), CO	1272-31623	C0012	AG	*		39.77	-105.39
N of Cottonwood (Trent and Cindy Miller), CO	1272-31624	C0013	AG	*		39.77	-105.39
N of Cottonwood (Trent and Cindy Miller), CO	1272-31625	C0014	AD	*		39.77	-105.39
N of Cottonwood (Larry Turner), CO	1272-31626	C0015	AG	*		39.77	-105.40
N of Cottonwood (Larry Turner), CO	1272-31627	C0016	AT	*		39.77	-105.40
N of Cottonwood (Chuck Serrat), CO	1272-31628	C0017	AA	*		39.77	-105.38
N of Cottonwood (Chuck Serrat), CO	1272-31629	C0018	AC	*		39.77	-105.38
Cottonwood (Molly and David Nevin), CO	1272-31630	C0019	AD	*		39.78	-105.40

Cottonwood (Molly and David Nevin), CO	1272-31631	CO020	CO20	*	39.78	-105.40
Cottonwood (Molly and David Nevin), CO	1272-31632	CO021		*	39.78	-105.40
Cottonwood (Molly and David Nevin), CO	1272-31633	CO022		*	39.78	-105.40
N of Central City (HWY 119), CO	1272-31634	CO023		*	40.05	-105.53
Grand Lake (Dave and Marilyn Bindey), CO	1272-31635	CO024		*	40.26	-105.86
Grand Lake (Dave and Marilyn Bindey), CO	1272-31636	CO025		*	40.26	-105.86
Grand Lake (Dave and Marilyn Bindey), CO	1272-31637	CO026		*	40.26	-105.86
W of Spencer Heights (Forestry Road), CO	1272-31639	CO027		*	40.26	-105.86
W of Spencer Heights (Forestry Road), CO	1272-31638	CO028		*	40.26	-105.86
NW of Spencer Heights (Forestry Road), CO	1272-31640	CO029		*	40.68	-105.86
CoOR-coastal Oregon						
Cape Meares, OR	2331-88101	CoOR001	AJ	*	45.48	-123.97
Cape Meares, OR	2331-88102	CoOR002	Y	*	45.48	-123.97
Drift Creek Wilderness, OR	2331-88103	CoOR003	CoOR3	*	45.48	-123.91
Drift Creek Wilderness, OR	2331-88104	CoOR004	AN	*	45.48	-123.91
CR-Costa Rica (Central America)						
Villa Mills, Cartago Province, Costa Rica	LSUMZ #19818	CR001	AR	LSUMZ	9.56	-83.71
Villa Mills, Cartago Province, Costa Rica	LSUMZ #19843	CR002	AR	LSUMZ	9.56	-83.71
Villa Mills, Cartago Province, Costa Rica	LSUMZ #19856	CR003	AR	LSUMZ	9.56	-83.71
Villa Mills, Cartago Province, Costa Rica	LSUMZ #19900	CR004	AR	LSUMZ	9.56	-83.71
Villa Mills, Cartago Province, Costa Rica	LSUMZ #19908	CR005	AR	LSUMZ	9.56	-83.71
Villa Mills, Cartago Province, Costa Rica	LSUMZ #19917	CR006	AR	LSUMZ	9.56	-83.71
Villa Mills, Cartago Province, Costa Rica	LSUMZ #19932	CR007	AR	LSUMZ	9.56	-83.71
Villa Mills, Cartago Province, Costa Rica	LSUMZ #19936	CR008	AR	LSUMZ	9.56	-83.71
Villa Mills, Cartago Province, Costa Rica	LSUMZ #19943	CR009	AR	LSUMZ	9.56	-83.71
Villa Mills, Cartago Province, Costa Rica	LSUMZ #19946	CR010	AR	LSUMZ	9.56	-83.71
ID-Idaho						
1037 Showalter Rd, Moscow ID	1272-31657	ID001	AM	*	46.77	-116.84

1037 Showalter Rd, Moscow ID	1272-31658	ID002	G	*		46.77	-116.84
1358 4 Mile Rd, Moscow, ID	1272-31659	ID003	Y	*		46.84	-116.94
1358 4 Mile Rd, Moscow, ID	1272-31660	ID004	G	*		46.84	-116.94
1358 4 Mile Rd, Moscow, ID	1272-31661	ID005	G	*		46.84	-116.94
2136 Roop Rd Cocolalla, ID	1271-31663	ID006	D	*		48.13	-116.64
2136 Roop Rd Cocolalla, ID	1272-31662	ID007	D	*		48.13	-116.64
Republic, Ferry, WA	UWBM#53352, CSW 3891	ID008	G		UWBM	48.47	-118.50
LeClerc Creek, Ione, Pend Oreille, WA	UWBM#54045, DAB 483	ID009	G		UWBM	48.53	-117.28
LeClerc Creek, Ione, Pend Oreille, WA	UWBM#54052, DAB 490	ID010	R		UWBM	48.53	-117.28
LeClerc Creek, Ione, Pend Oreille, WA	UWBM#54053, DAB 491	ID011	Y		UWBM	48.53	-117.28
LA-Louisiana							
East Jetty Woods, Cameron Parish, LA	LSUMZ #804	LA001	C		LSUMZ	31.24	-92.14
East Jetty Woods, Cameron Parish, Louisiana	LSUMZ #3840	LA002	K		LSUMZ	31.24	-92.14
Garner Ridge, , Cameron Parish, LA	LSUMZ #8532	LA003	LA3		LSUMZ	29.76	-93.78
LAB-Labrador							
Gosling Bay , Happy Valley-Goose Bay, Lab	1731-05341	LAB001	H	*		53.41	-59.60
Gosling Bay , Happy Valley-Goose Bay, Lab	1731-05342	LAB002	G	*		53.41	-59.60
25 Palliser Cr., Happy Valley-Goose Bay, Lab	1731-05343	LAB003	P	*		53.30	-59.68
25 Palliser Cr., Happy Valley-Goose Bay, Lab	1731-05344	LAB004	H	*		53.30	-59.68
ME-Maine							
Maine	catalog#22969	ME001	ME001		NCMNS	40.71	-74.01
MI-Michigan							
Grass Lake Twp, Jackson Co., MI	228238	MI001		*	UMI	42.25	-84.21
T45N, R11W, Sec9, Luce Co., MI	239375	MI002	F	*	UMI	43.23	-84.03
Scio Twp, Sec 30, Pinecross Lane, Washtenaw Co., MI	239134	MI003	C	*	UMI	42.33	-83.84
Ann Arbor, Washtenaw Co., MI	236254	MI004	AS	*	UMI	42.27	-83.73
Mio, 6.5 Mi E, Au Sable River, Oscoda Co., MI	227391	MI005	F	*	UMI	44.65	-84.13
Mio, 6.5 Mi E, Au Sable River, Oscoda Co., MI	227392	MI006	S	*	UMI	44.65	-84.13

Markey Twp, Roscommon Co., MI	227393	MI007	G	*	UMI	44.50	-84.59
Markey Twp, Roscommon Co., MI	227394	MI008	MI8	*	UMI	44.50	-84.59
Markey Twp, Roscommon Co., MI	227395	MI009	F	*	UMI	44.50	-84.59
Sands Twp, Marquette Co., MI	238712	MI010	MI10	*	UMI	46.42	-87.41
Colfax Twp., T15N, R 9W, Sec. 12, Mecosta Co., MI	238419	MI011	C	*	UMI	43.74	-86.08
Sylvan Twp, Spring Lake Drive, Washtenaw Co., MI	235601	MI012	MI12	*	UMI	42.27	-83.63
Hartland, Livingston Co., MI	235106	MI013	MI13	*	UMI	42.65	-83.75
Rapid River, Delta Co., MI	240775	MI014	MI14	*	UMI	45.70	-86.94
Ann Arbor, Washtenaw Co., MI	238243	MI015	E	*	UMI	42.27	-83.73
MO-Missouri							
Rolla, MO	1342-17001	MO001	MO1	*		37.83	-90.25
Rolla, MO	1342-17002	MO002	W	*		37.83	-90.25
Ashland, state road Y, MO	1342-17003	MO003	K	*		38.76	-91.88
Moniteau Co, MO	catalog#1301	MO004		*	UCOM	38.58	-92.58
Moniteau Co, MO	catalog#1298	MO005		*	UCOM	38.58	-92.58
MT-Montana							
Twin Peaks Rd, Helena, MT	1272-31601	MT001	AM	*		46.54	-112.19
Montana City, near Helena, MT	1272-31602	MT002	G	*		46.53	-111.99
Montana City, near Helena, MT	1272-31603	MT003	G	*		46.53	-111.99
GL, Glacier NP MT	RB0705M	MT004	Y	*	J. Woolf	48.55	-114.01
GL, Glacier NP MT	RB0708F	MT005	N	*	J. Woolf	48.50	-114.04
MA, Missoula? MT	MA0701M	MT006	Y	*	J. Woolf	46.85	-114.21
MA, Missoula? MT	MA0706F	MT007	F	*	J. Woolf	46.93	-114.60
Montana City, near Helena, MT	1272-31604	MT008	G	*		46.53	-111.99
Bridger Woods Rd, Bozeman, MT	1272-31606	MT009	Y	*		45.69	-110.90
GL, Glacier NP MT	RB0709M	MT010	D	*	J. Woolf	48.50	-114.04
GL, Glacier NP MT	RB0710F	MT011	Y	*	J. Woolf	48.50	-114.04

GL, Glacier NP MT	RB0711M	MT012	Y	*	J. Woolf	48.51	-114.03
GL, Glacier NP MT	RB0712F	MT013	Y	*	J. Woolf	48.51	-114.03
GL, Glacier NP MT	RB0714M	MT014	X	*	J. Woolf	48.50	-114.04
MA, Missoula MT	MA0707M	MT015	Y	*	J. Woolf	46.84	-114.21
MA, Missoula MT	MA0708M	MT016	Y	*	J. Woolf	46.83	-114.15
MA, Missoula MT	MA0709M	MT017	G	*	J. Woolf	46.85	-114.20
MA, Missoula MT	MA0710M	MT018	MT18	*	J. Woolf	46.84	-114.20
MA, Missoula MT	MA0711F	MT019	MT19	*	J. Woolf	46.83	-114.15
MA, Missoula MT	MA0712M	MT020	Y	*	J. Woolf	46.94	-114.58
MA, Missoula MT	MA0714F	MT021		*	J. Woolf	46.92	-114.57
MA, Missoula MT	MA0517	MT022		*	J. Woolf	46.68	-113.91
MA, Missoula MT	WM0701F	MT023		*	J. Woolf	46.84	-114.20
MA, Missoula MT	WM0702F	MT024		*	J. Woolf	46.68	-113.92
MA, Missoula MT	WM0704M	MT025		*	J. Woolf	46.68	-113.93
Helena, MT	2331-08702	MT026		*		46.54	-112.11
Helena, MT	1272-31605	MT027		*		46.54	-112.11
Helena, MT	1272-31607	MT028		*		46.54	-112.11
Helena, MT	1272-31608	MT029		*		46.57	-112.22
Frontier Town (Forestry Road), MT	1272-31609	MT030		*		46.61	-112.26
Frontier Town (Forestry Road), MT	1272-31610	MT031		*		46.61	-112.26
NBC-northern British Columbia							
Prince Rupert Butze Trail, NBC	1681-65886	NBC001	B	*	QU	54.32	-130.33
Tyhee Lake, NBC	852-44046	NBC002	NBC2	*	QU	54.31	-130.31
Prince Rupert Wildlife Rehab Centre	1731-05803	NBC003	G	*		54.33	-130.29
3928 Mountainview Ave, Thornhill BC	1731-05809	NBC004	AP	*		54.51	-128.54
3928 Mountainview Ave, Thornhill BC	1731-05810	NBC005	R	*		54.51	-128.54
3928 Mountainview Ave, Thornhill BC	1731-05811	NBC006	B	*		54.51	-128.54
Ferry Island	1731-05812	NBC007	NBC7	*		54.51	-128.57

The Brady's Thornhill BC	1731-05814	NBC008	B	*		54.46	-128.48
Ferry Island 2	1731-05813	NBC009	B	*		54.50	-128.57
3928 Mountainview Ave, Thornhill BC	1731-05815	NBC010	B	*		54.51	-128.54
NC-North Carolina				*			
Dillingham, Buncombe Co. NC	UWBM# 86862 RBB 532	NC001	W	*	UWBM	35.75	-82.41
Murchison, Buncombe Co. NC	UWBM# 86870 RBB 540	NC002	E	*	UWBM	35.83	-82.32
Graham Co. NC	UWBM# 87014 RBB 716	NC004	K	*	UWBM	35.88	-90.17
Haywood Co, North Carolina	catalog#15094	NC005	F	*	NCMNS	35.76	-79.02
North Carolina	catalog#15182	NC006		*	NCMNS	35.76	-79.02
North Carolina	catalog#15190	NC007		*	NCMNS	35.76	-79.02
North Carolina	catalog#15191	NC008		*	NCMNS	35.76	-79.02
North Carolina	catalog#15208	NC009		*	NCMNS	35.76	-79.02
North Carolina	catalog#15213	NC010	NC10	*	NCMNS	35.76	-79.02
North Carolina	catalog#15228	NC011	NC11	*	NCMNS	35.76	-79.02
North Carolina	catalog#15236	NC012		*	NCMNS	38.92	-93.40
Buncombe CO, North Carolina	catalog#15240	NC013		*	NCMNS	35.76	-79.02
North Carolina	catalog#15305	NC014			NCMNS	35.76	-79.02
North Carolina	catalog#19518	NC015	NC15	*	NCMNS	35.76	-79.02
North Carolina	catalog#19823	NC016		*	NCMNS	35.76	-79.02
NEOR-northeast Oregon							
Wallowa, OR	DOT-15782	NEOR001	NEOR1	*	AMNH	45.57	-117.53
Wallowa, OR	DOT-15783	NEOR002	G	*	AMNH	45.57	-117.53
Wallowa, OR	DOT-15784	NEOR003	Y	*	AMNH	45.57	-117.53
Wallowa, OR	DOT-15787	NEOR004	NEOR4	*	AMNH	45.57	-117.53
Wallowa, OR	DOT-15790	NEOR005		*	AMNH	45.57	-117.53
Grande Ronde River, Asotin, Asotin, WA	UWBM#59057, SAR 6998	NEOR006	D		UWBM	46.08	-116.98
Grouse Creek, Asotin, Asotin, WA	UWBM#59090, SVD 983	NEOR007	D		UWBM	46.01	-117.42
NL-Newfoundland							
Barachois PP, NL	991-19814	NL001	P	*		48.45	-58.43

Barachois PP, NL	991-19815	NL002	P	*		48.45	-58.43
Passadena, NL	991-19816	NL003	AL	*		49.01	-57.60
Passadena, NL	991-19817	NL004	P	*		49.01	-57.60
Deer Lake, NL	991-19818	NL005	O	*		49.18	-57.42
Deer Lake, NL	991-19819	NL006	P	*		49.18	-57.42
Eagle Mountain, NL	991-19820	NL007	AK	*		49.84	-57.26
Humber Valley Distr., NL	77679	NL008		*	CMN	46.98	-67.08
Humber Valley Distr., NL	77680	NL009	NL9	*	CMN	49.26	-57.38
Campground, Sir Richard Squires PP, NL	1731-05336	NL010	NL10	*		49.35	-57.17
Lomond Campground, Gros Morne NP, NL	1731-05338	NL011	O	*		49.46	-57.76
Western Brook Pond Trail, Gros Morne NP, NL	1731-05338	NL012	U	*		49.79	-57.84
Shallow Bay Trail, Gros Morne NP, NL	1731-05339	NL013	P	*		49.95	-57.75
Shallow Bay Trail, Gros Morne NP, NL	1731-05340	NL014	G	*		49.95	-57.75
NS-Nova Scotia							
Antigonish, NS	991-19810	NS001	AS	*		45.62	-61.99
Cape North, NS	991-19809	NS002	I	*		46.89	-60.53
Mt Hanley, NS	991-19801	NS003	AL	*		44.75	-65.13
Mt Hanley, NS	991-19802	NS004	K	*		44.75	-65.13
Middleton, NS	922-97502	NS005	NS5	*		44.96	-65.07
Middleton, NS	991-19803	NS006	V	*		44.96	-65.07
Middleton, NS	991-19804	NS007	R	*		44.96	-65.07
Mt Hanley, NS	991-19805	NS008	NS8	*		44.75	-65.13
Middleton, NS	991-19806	NS009	X	*		44.96	-65.07
Economy Lake, NS	991-19807	NS010	X	*		45.39	-63.91
Fundy NP, NB	991-19808	NS011	B	*		45.62	-65.04
Antigonish, NS	991-19811	NS012	NS12	*		45.62	-61.99
Antigonish, NS	991-19812	NS013	T	*		45.62	-61.99
Antigonish, NS	991-19813	NS014	NS14	*		45.62	-61.99
Saint John Co., NB	005137	NS015		*	RNBM	-45.28	-66.17

Kings Co., NB	007292	NS016		*	RNBM	-45.68	-65.38
Saint John Co., NB	008874	NS017		*	RNBM	-45.20	-66.27
Kings Co., NB	008937	NS018		*	RNBM	-45.50	-65.97
Charlotte Co., NB	009561	NS019		*	RNBM	-44.73	-66.75
Two Neck Road, Quispamsis, NB	1731-05326	NS020		*		45.48	-65.92
Two Neck Road, Quispamsis, NB	1731-05327	NS021	U	*		45.48	-65.92
47 Silas Lewis Road, Second North River, NB	1731-05328	NS022	NS22	*		46.06	-65.05
47 Silas Lewis Road, Second North River, NB	1731-05329	NS023	G	*		46.06	-65.05
70 Browns Place Rd, Middle Musquodoboit, NS	1731-05330	NS024		*		45.03	-63.08
70 Browns Place Rd, Middle Musquodoboit, NS	1731-05331	NS025	U	*		45.03	-63.08
218 Fraser Road, East Hants, NS	1731-05332	NS026		*		45.11	-63.64
218 Fraser Road, East Hants, NS	1731-05333	NS027		*		45.11	-63.64
Near Lewis Lake, Musquodoboit Valley, NS	1731-05345	NS028		*		45.00	-63.01
1814 Fairmont Road, Antigonish, NS	1731-05334	NS029	U	*		45.72	-61.94
1814 Fairmont Road, Antigonish, NS	1731-05335	NS030		*		45.72	-61.94
ON-Ontario							
Mun. Rég. de Cté de Pontiac, QC	77992	ON001	G	*	CMN	45.63	-74.08
Mun. Rég. de Cté de Pontiac, QC	77993	ON002	G	*	CMN	46.47	-77.68
Mun. Rég. de Cté de Pontiac, QC	77994	ON003	G	*	CMN	46.47	-77.68
Mun. Rég. de Cté de Pontiac, QC	77995	ON004	ON4	*	CMN	46.33	-77.68
Mun. Rég. de Cté de Pontiac, QC	77996	ON005	ON5	*	CMN	46.47	-77.77
Mun. Rég. de Cté de Pontiac, QC	77997	ON006	G	*	CMN	46.23	-77.72
Mun. Rég. de Cté de Pontiac, QC	77998	ON007		*	CMN	46.23	-77.72
Mun. Rég. de Cté de Pontiac, QC	77999	ON008	X	*	CMN	46.47	-77.77
Mun. Rég. de Cté de Pontiac, QC	78000	ON009		*	CMN	46.23	-77.72
Mun. Rég. de Cté de Pontiac, QC	78001	ON010	I	*	CMN	46.23	-77.72
Mun. Rég. de Cté de Pontiac, QC	78002	ON011	ON11	*	CMN	46.43	-77.63
Mun. Rég. de Cté de Pontiac, QC	78003	ON012		*	CMN	46.43	-77.63
Mun. Rég. de Cté de Pontiac, QC	78004	ON013	F	*	CMN	46.43	-77.63

Mun. Rég. de Cté de Pontiac, QC	78005	ON014	ON14	*	CMN	46.43	-77.63
Mun. Rég. de Cté de Pontiac, QC	78006	ON015	G	*	CMN	46.58	-77.68
Mun. Rég. de Cté de Pontiac, QC	78007	ON016	B	*	CMN	46.23	-77.72
Mun. Rég. de Cté de Pontiac, QC	78008	ON017	ON17	*	CMN	46.23	-77.72
Mun. Rég. de Cté de Pontiac, QC	78009	ON018	G	*	CMN	46.50	-77.68
Mun. Rég. de Cté de Pontiac, QC	78010	ON019		*	CMN	46.58	-77.68
PAN-Panama (Central America)							
Dist. Boquete, Chiriquí Province, Panama	LSUMZ #28258	PA001	AR		LSUMZ	8.53	-80.78
Dist. Boquete, Chiriquí Province, Panama	LSUMZ #28323	PA002	PAN2		LSUMZ	8.53	-80.78
QCI-Queen Charlotte Islands/Haida Gwaii							
East Limestone, QCI	1581-43745	QCI001	AJ	*	QU	53.00	-132.00
Masset, BC	018076	QCI002	QCI2	*	RBCM	53.93	-132.15
Yakoun Lake, BC	018077	QCI003	AP	*	RBCM	53.32	-132.28
McClinton Bay, BC	018559	QCI004		*	RBCM	53.65	-132.58
Delkatla Parking Lot	1731-05804	QCI005	B	*		54.02	-132.05
Skate Board Park, QCI	1731-05805	QCI006	AP	*		53.26	-132.10
Skate Board Park, QCI	1731-05806	QCI007	QCI7	*		53.26	-132.10
Tlell Soccer Park	1731-05807	QCI008	AP	*		53.54	-131.95
Delkatla Parking Lot	1731-05808	QCI009	AJ	*		54.02	-132.05
Queen Charlotte Islands, Juskatla; BC	LSUMZ #19960	QCI010	AP		LSUMZ	53.37	-121.76
SAB-southern Alberta							
West Castle, AB	922-97503	SAB001	G	*		49.35	-114.42
Hwy 6, Waterton, S AB	1581-64945	SAB002	Y	*		49.11	-113.82
Castle River, Improvement District 5, AB	Z87.20.58, cat#23326	SAB003		*	RABM	49.30	-114.28
Lynx Creek, Improvement District 5, AB	Z87.20.96, cat#23356	SAB004	Y	*	RABM	49.47	-114.42
Lynx Creek, Improvement District 6, AB	Z87.20.100, cat#23560	SAB005	Y	*	RABM	49.47	-114.42
Beaver Mines, Improvement District 5, AB	Z91.17.16, cat#28973	SAB006		*	RABM	49.40	-114.33
Beaver Mines, AB	Z96.18.48, cat#32497	SAB007	SAB7	*	RABM	49.37	-114.38
Wardner, BC	019085	SAB008	SAB8	*	RABM	49.42	-115.42
Leihman trail, SAB	1142-49421	SAB009	Y	*		49.08	-113.97

SCA-southern California

San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #22959	SCA001		LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #24231	SCA002	SCA2	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #34542	SCA003	AJ	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #34543	SCA004	AH	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #41112	SCA006	AI	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #41967	SCA007	AJ	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #42038	SCA008	AH	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #42039	SCA009	AH	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #42040	SCA010		LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #42066	SCA011	AJ	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #42095	SCA012	AN	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #42096	SCA013	AH	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #42103	SCA014	AH	LSUMZ	34.12	-116.87
Frazier Mountain, Ventura Co., CA	LSUMZ #45537	SCA015	SCA15	LSUMZ	34.77	-119.77
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #51886	SCA016		LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #51940	SCA017		LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #53167	SCA018	AH	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #53252	SCA019	AH	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #53277	SCA020	AN	LSUMZ	34.12	-116.87
San Bernardino Mtns., San Bernardino Co., CA	LSUMZ #53311	SCA021	AH	LSUMZ	34.12	-116.87

SCCA-south central California

Sequoia National Forest, Tulare, CA	tissue#B21392 voucher#636832	SCCA001	AI	*	SMITH	35.93	-118.39
Sequoia National Forest, Tulare, CA	tissue#B21398 voucher#636838	SCCA002	AI	*	SMITH	35.93	-118.39
3 mi. NE Sherman Pass, Tulare Co., California	LSUMZ #24630	SCCA004	AH		LSUMZ	36.78	-119.42

SD-South Dakota

South Dakota	SD0709F	SD001	AA	*	J. Woolf	44.22	-103.42
South Dakota	SD0710M	SD002	SD2	*	J. Woolf	44.22	-103.42
South Dakota	SD0711M	SD003	AA	*	J. Woolf	44.21	-103.40

South Dakota	SD0712F	SD004	AB	*	J. Woolf	44.21	-103.41
South Dakota	SD0713F	SD005	AT	*	J. Woolf	44.21	-103.40
SK-Saskatchewan							
Treebeard Trail, Prince Albert NP, SK	1731-05346	SK001	J	*		53.97	-106.29
Red Deer Trail Blue Loop, Prince Albert NP, SK	1731-05348	SK002	U	*		53.94	-106.06
Red Deer Trail Blue Loop, Prince Albert NP, SK	1731-05348	SK003	SK3	*		53.94	-106.06
SOR-southern Oregon							
near Paisley Oregon	OR0701M	SOR001	SOR1	*	J. Woolf	42.98	-121.15
near Paisley Oregon	OR0702F	SOR002	AN	*	J. Woolf	42.97	-121.17
near Paisley Oregon	OR0703M	SOR003	Y	*	J. Woolf	42.95	-121.18
near Paisley Oregon	OR0704M	SOR004	AK	*	J. Woolf	42.93	-121.14
near Paisley Oregon	OR0705F	SOR005	Z	*	J. Woolf	42.93	-121.13
near Paisley Oregon	OR0706M	SOR006	SOR6	*	J. Woolf	42.93	-121.14
near Paisley Oregon	OR0707F	SOR007	SOR7	*	J. Woolf	42.93	-121.14
near Paisley Oregon	OR0708F	SOR008	SOR8	*	J. Woolf	42.95	-121.18
near Paisley Oregon	OR0709M	SOR009	AJ	*	J. Woolf	42.92	-121.14
near Paisley Oregon	OR0710M	SOR010	AP	*	J. Woolf	42.92	-121.13
near Paisley Oregon	OR0711F	SOR011	AH	*	J. Woolf	42.91	-121.14
near Paisley Oregon	OR0712M	SOR012	Y	*	J. Woolf	42.93	-121.14
near Paisley Oregon	OR0713F	SOR013	D	*	J. Woolf	42.93	-121.14
near Paisley Oregon	OR0717MH	SOR014	Y	*	J. Woolf	42.89	-120.92
near Paisley Oregon	OR0718MH	SOR015	Z	*	J. Woolf	42.97	-121.00
near Paisley Oregon	OR0719FH	SOR016	AI	*	J. Woolf	42.97	-121.00
near Paisley Oregon	OR0720MH	SOR017	SOR17	*	J. Woolf	42.97	-121.00
near Paisley Oregon	OR0716F	SOR018	AI	*	J. Woolf	42.91	-121.14
McCloud, Shasta Nat. Forest ca., Siskiyou Co., CA	227376	SOR019	V	*	UMI	41.32	-121.92
McCloud, Shasta Nat. Forest ca., Siskiyou Co., CA	227377	SOR020	AH	*	UMI	41.32	-121.92
McCloud, Shasta Nat. Forest ca., Siskiyou Co., CA	227422	SOR021		*	UMI	41.32	-121.92
Warner Mtns., Modoc Co., California	LSUMZ #40966	SOR022	SOR022		LSUMZ	41.6	-121.6
Bear CA	tissue#B21463 voucher#634998	SOR023	SOR023	*	SMITH	41.21	-120.15

SSK-southern Saskatchewan

Assiniboia, SK	catA6371/accn16356 exn 13	SSK001	SSK1	*	RSKM	49.63	-105.99
Caron, SK	catA6714/accn17119 exn 8	SSK002	SSK2	*	RSKM	50.46	-105.88
UT-Utah							
Cache National Forest (Logging Rd.), UT	1272-31641	UT001	AD	*		41.41	-111.50
Cache National Forest (Logging Rd.), UT	1272-31642	UT002	UT2	*		41.41	-111.50
SW Woodruff (Hwy 39), UT	1272-31643	UT003	G	*		41.46	-111.50
SW Woodruff (Hwy 39), UT	1272-31644	UT004	AB	*		41.46	-111.50
Cache National Forest (Forestry Rd.), UT	1272-31645	UT005	UT5	*		41.51	-111.51
W of Woodruff (Cache Forestry Rd.), UT	1272-31646	UT006	UT6	*		41.53	-111.46
Snow Basin Rd., UT	1272-31647	UT007	AB	*		41.23	-111.85
3 Mile Creek, UT	2331-08706	UT008	AB	*		41.45	-111.85
Wasatche-Cache, FR 73, UT	1272-31648	UT009	AB	*		40.94	-111.43
Uinta NF, FR 83, UT	1272-31649	UT010	F	*		40.34	-111.05
Vernal, Daggett Co. UT	UWBM# 70871 JMB 1778	UT011	AC	*	UWBM	40.46	-109.53
Vernal, Daggett Co. UT	UWBM# 70870 JMB 1777	UT012	AC	*	UWBM	40.46	-109.53
Vernal, Daggett Co. UT	UWBM# 70869 JMB 1776	UT013	AE	*	UWBM	40.46	-109.53
Vernal, Daggett Co. UT	UWBM# 70868 JMB 1775	UT014	AC	*	UWBM	40.46	-109.53
Vernal, Daggett Co. UT	UWBM# 70867 JMB 1774	UT015	AC	*	UWBM	40.46	-109.53
VI-Vancouver Island							
Langford, BC	017898	VI001		*	RBCM	48.45	-123.50
Victoria, BC	019080	VI002	VI2	*	RBCM	48.43	-123.37
Victoria, BC	020023	VI003	VI3	*	RBCM	48.43	-123.37
Seal Bay Nature Park	1731-05801	VI004	VI4	*		49.74	-124.97
Westwood Lake	1731-05802	VI005	VI5	*		49.16	-123.99
Lazo-Comox Marsh	HAWO1	VI006	B	*		49.69	-124.89
WA-Washington							
Mt. Rainier Paradise, WA	2331-88105	WA001	N	*		46.78	-121.74
Lake Tapps 16318 37St. Cr. E., WA	2331-88106	WA002	AQ	*		47.22	-122.21
Lake Tapps 16318 37St. Cr. E., WA	2331-88107	WA003	AQ	*		47.22	-122.21
Newhalem, WA	1581-43887	WA004	WA4	*	QU	48.67	-121.25
Ellensburg, Kittitas Co. WA	UWBM# 69701 BKS 1420	WA005	Y	*	UWBM	47.05	-120.75

Ellensburg, Kittitas Co. WA	UWBM# 61805 KJP 50	WA006	Y	*	UWBM	47.05	-120.75
Ellensburg, Kittitas Co. WA	UWBM# 68227 MMH 001	WA007	L	*	UWBM	47.05	-120.75
Cle Elum, Kittitas Co. WA	UWBM# 74111 SVD 1296	WA008	WA8	*	UWBM	47.25	-120.07
Ellensburg, Kittitas Co. WA	UWBM# 61788 CDS 5073	WA009	WA9	*	UWBM	47.05	-120.75
Easton, Kittitas Co. WA	UWBM# 49986 CSW 3957	WA010	Y	*	UWBM	47.24	-121.18
Ellensburg, Kittitas Co. WA	UWBM# 72663 SVE 1288	WA011	Y	*	UWBM	47.05	-120.75
Ellensburg, Yakima Co. WA	UWBM# 57151 GAV 304	WA012	AJ	*	UWBM	47.00	-120.55
Ellensburg, Yakima Co. WA	UWBM# 57163 JMB 1573	WA013	D	*	UWBM	46.73	-120.70
Naches, Yakima Co. WA	UWBM# 72668 SAR 6306	WA014	Y	*	UWBM	47.00	-120.55
Ellensburg, Yakima Co. WA	UWBM# 62629 RAP 24	WA015	Y	*	UWBM	47.00	-120.55
Ellensburg, Yakima Co. WA	UWBM# 57147 GAV 300	WA016	Y	*	UWBM	47.00	-120.55
Ellensburg, Yakima Co. WA	UWBM# 57164 JMB 1577	WA017	Y	*	UWBM	47.00	-120.55
Ellensburg, Yakima Co. WA	UWBM# 57156 JMB 1576	WA018	Y	*	UWBM	47.00	-120.55
Ellensburg, Kittitas Co. WA	UWBM# 61817 MLB 25	WA019	WA19	*	UWBM	47.05	-120.75
Cle Elum, Kittitas, Washington	tissue#B07653 voucher#586093	WA020		*	SMITH	47.25	-120.07
Naches, Yakima, Washington	tissue#B07747 voucher#586125	WA021	Y	*	SMITH	46.85	-120.82
Naches, Yakima, Washington	tissue#B07748 voucher#621179	WA022	L	*	SMITH	46.85	-120.83
WI-Wisconsin							
New Franken, County Rd P, Brown Co, WI	363492	WI001	J	*	FMC	44.53	-87.83
Green Bay, Brown Co, WI	428786	WI002	WI2	*	FMC	44.52	-88.02
WI	428812	WI003	WI3	*	FMC	44.52	-88.02
Green Bay, Brown Co, WI	438443	WI004	X	*	FMC	44.52	-88.02
WI	452082	WI005	G	*	FMC	44.52	-88.02
WI	454862	WI006	S	*	FMC	44.52	-88.02