

FAMILY NAME	SPECIES NAME	AOU #	ALPHA CODE	BAND SIZE	PYLE Pg #	FAMILY NAME	SPECIES NAME	AOU #	ALPHA CODE	BAND SIZE	PYLE Pg #
BLACKBIRDS	Grackle	511	COGR	3 ~ 3B	639	NUTHATCH	Red-breasted	728	RBNU	0	351
	Red-winged	498	RWBL	♂2 ~ ♀1A	626		White-breasted	727	WBNU	1B ~ 1	352
	Rusty	509	RUBL	2	637	ORIOLES	Baltimore	507	BAOR	1A	656
BLUEBIRD	Eastern	766	EABL	1B ~ 1	388	Orchard	506	OROR	1B	648	
BOBOLINK		494	BOBO	♂1A ~ ♀1B	625	OWLS	Barred	368	BDOW	7B lock-on	90
BUNTING	Indigo	598	INBU	1	618	Saw-whet	372	NSWO	4 Short ~ 3A	98	
	Snow	534	SNBU	1A ~ 1B	603	Screech	373	EASO	5 ~ 5 lock-on	71	
CARDINAL	Northern	593	NOCA	1A ss ~ 2	607	PEWEE	Eastern Wood	461	EAWP	0	217
CATBIRD	Gray	704	GRCA	1A	408	PHOEBE	Eastern	456	EAPH	0 ~ 1	240
CHICKADEE	Black-capped	735	BCCH	0	334	REDPOLL	Common	528	CORE	0	677
	Carolina	736	CACH	0 ~ 0A	333	ROBIN	American	761	AMRO	2	403
COWBIRD	Brown-headed	495	BHCO	♂1A ~ ♀1B	646	SHRIKE	Loggerhead	622	LOSH	1D il ~ 1A	273
CREEPER	Brown	726	BRCR	0A ~ 0	356	Northern	621	NSHR	1D il ~ 2	271	
CUCKOO	Black-billed	388	BBCU	2	54	SISKIN	Pine	533	PISI	0	680
	Yellow-billed	387	YBCU	2	56	SPARROWS	Chipping	560	CHSP	0	550
DICKCISSEL		604	DICK	1B	623	Field	563	FISP	0	555	
DOVE	Mourning	316	MODO	3A ~ 3B	47	Fox	585	FOSP	1A ~ 1B	577	
FINCHES	House	519	HOFI	1B ~ 1	670	Grasshopper	546	GRSP	1	569	
	Purple	517	PUFI	1 ~ 1B	668	Henslow's	547	HESP	0	570	
FLYCATCHERS	Acadian	465	ACFL	0 ~ 0A	222	House	6822	HOSP	1B	690	
	Alder	466.1	ALFL	0 ~ 0A	224	Lincoln's	583	LISP	0	584	
	Great-crested	452	GCFL	1A ~ 1B	247	Savannah	542	SAVS	1	565	
	Least	467	LEFL	0 ~ 0A	228	Song	581	SOSP	1B ~ 1	579	
	Olive-sided	459	OSFL	1 ~ 1B	213	Swamp	584	SWSP	1	585	
	Traill's	4669	TRFL	0A	224	Tree (American)	559	ATSP	0	549	
	Willow	466	WIFL	0 ~ 0A	224	Vesper	540	VESP	1B ~ 1	558	
	Yellow-bellied	463	YBFL	0 ~ 0A	220	White-crowned	554	WCSP	1B	589	
GNATCATCHER	Blue-gray	751	BGGN	0A	378	White-throated	558	WTSP	1B	587	
GOLDFINCH	American	529	AMGO	0 ~ 0A	686	STARLING	European	493	EUST	2 ~ 3	421
GROSBEAKS	Blue	597	BLGR	1B	614	SWALLOWS	Bank	616	BANS	0	327
	Rose-breasted	595	RBGR	1A(ss)~ 2	609	Barn	613	BARS	0	328	
HAWKS	Broad-winged	343	BWHA	5 ~ 6 lock-on		Northern Rough-winged	617	NRWS	0	325	
	Coopers	333	COHA	♂4~ ♀5 lock-on		Tree	614	TRES	1	322	
	Red-shouldered	339	RSHA	6 ~ 7A		TANAGERS	Scarlet	608	SCTA	1B	527
	Red-tailed	337	RTHA	7B~7D~7A		Summer	610	SUTA	1A ~ 1B	524	
	Sharp-shinned	332	SSHA	♂2/3 ♀3A/3B		THRASHER	Brown	705	BRTH	2 ~ 3	411
HERON	Green	201	GRHE	5	THRUSHES	Gray-cheated	757	GCTH	1B	394	
HUMMINGBIRDS	Ruby-throated	428	RTHU	XB	136	Hermit	759	HETH	1B ~ 1	399	
JAY	Blue	477	BLJA	2 ~ 3	297	Swainson's	758	SWTH	1B	397	
JUNCO	Dark-eyed	567	SCJU	0 ~ 1	593	Wood	755	WOTH	1A	401	
KESTREL	American	360	AMKE	3B		TITMOUSE	Eastern Tufted	731	TUTI	1B	345
KINGBIRD	Eastern	444	EAKI	1B	263	TOWHEE	Eastern	587	EATO	♂2/1A ~ ♀1A/2	535
KINGLETS	Golden-	748	GCKI	0A	374	VEERY		756	VEER	1B	392
	Ruby-crowned	749	RCKI	0A	375	VIREOS	Blue-headed	629	BHVI	1	281
LARK	Horned	474	HOLA	1B	316	Philadelphia	626	PHVI	0 ~ 0A	287	
LONGSPUR	Lapland	536	LALO	1B	598	Red-eyed	624	REVI	1 ~ 0	288	
MARTIN	Purple	611	PUMA	1A ~ 2	320	Warbling	627	WAVI	0	285	
MEADOWLARK	Eastern	501	EAME	♂3 ~ ♀2/3	632	White-eyed	631	WEVI	0 ~ 0A	275	
MOCKINGBIRD	Northern	703	NOMO	2 ~ 1A	409	Yellow-throated	628	YTVI	1	282	

NOTES: 1.) Band sizes are listed in order of recommended use. 2.) Band sizes & Pyle pages apply to "I.D. Guide to N. Am. Passerines" Part I & II 3.) il = incoloy hard metal band 4.) ss = stainless steel

FAMILY	SPECIES	AOU	ALPHA	BAND	Pyle
WARBLERS	Bay-breasted	660	BBWA	0 ~ 0A	490
	Black-and-White	636	BAWW	0 ~ 0A	495
	Blackburnian	662	BLBW	0 ~ 0A	480
	Blackpoll	661	BLPW	0 ~ 0A	491
	Black-throat. Blue	654	BTBW	0 ~ 0A	467
	Black-throat. Grn.	667	BTNW	0A ~ 0	477
	Blue-winged	641	BWWA	0A ~ 0	444
	Canada	686	CAWA	0 ~ 0A	517
	Cape May	650	CMWA	0 ~ 0A	466
	Cerulean	658	CERW	0A ~ 0	493
	Chat (Yellow-breasted)	683	YBCH	1B ~ 1A	521
	Chestnut-sided	659	CSWA	0A ~ 0	462
	Connecticut	678	CONW	1	505
	Golden-winged	642	GWWA	0A ~ 0	446
	Hooded	684	HOWA	0	514
	Kentucky	677	KEWA	1	504
	Magnolia	657	MAWA	0A ~ 0	464
	Mourning	679	MOWA	0 ~ 1	506
	Nashville	645	NAWA	0A ~ 0	450
	Orange-crowned	646	OCWA	0 ~ 0A	448
	Ovenbird	674	OVEN	1 ~ 0	501
	Palm (Western)	672	WPWA	0 ~ 0A	488
	Parula (Northern)	648	NOPA	0A ~ 0	455
	Pine	671	PIWA	0 ~ 0A	484
	Prairie	673	PRAW	0A ~ 0	487
	Prothonotary	637	PROW	0	498
	Redstart (American)	687	AMRE	0A ~ 0	496
	Tennessee	647	TEWA	0A ~ 0	447
	Wilson's	685	WIWA	0A ~ 0	515
	Worm-eating	639	WEWA	0	499
Yellow	652	YEWA	0 ~ 0A	459	
(Myrtle) Yellow-rumped	655	MYWA	0 ~ 0A	469	
(Common) Yellowthroat	663	YTWA	0A ~ 0	482	
681	COYE	0 ~ 0A	510		
WATERTHRUSH	Louisiana	676	LOWA	1	503
Northern	675	NOWA	0	502	
WAXWING	Cedar	619	CEDW	1B	437
WOODCOCK	American	228	AMWO	3	
WOODPECKERS	Downy	394	DOWO	1B	187
Flicker (Yellow-shafted)	412	YSFL	3	200	
Hairy	393	HAWO	1A ~ 2	189	
Pileated	405	PIWO	4 ~ 3A	204	
Red-bellied	409	RBWO	2	175	
Red-headed	406	RHWO	2	168	
Sapsucker (Yel.-)	402	YBSA	1B ~ 1A	177	
WREN	Carolina	718	CARW	1B	362
House	721	HOWR	0	365	
Marsh	725	MAWR	1C ~ 1	369	
Winter	722	WIWR	0A ~ 0	366	

## MAPS BANDING CODES - 2011

<p><b>Skull Pneumatization</b></p> <p>0 - None; single pinkish layer.  1 - Trace at very back of skull; 1-5% of total area.  2 - 6-33% at back; distinct contrast; whitish dots.  3 - 34-66%; rear half and some of front, midline &amp; sides.  4 - 67-94%; two oval red spots either side of cranium - rest completed.  5 - 95-99%; two tiny pinkish spots. (Some stay at class 5.)  6 - Complete, fully pneumatized/ossified.  8 - Degree of pneumatization not determinable.</p>	<p><b>Cloacal Protuberance</b></p> <p>0 - Cloaca not enlarged.  1 - Small (conical; wide at base, narrow at tip.)  2 - Medium (cylindrical; as large at tip as at base.)  3 - Large (bulbous; larger at tip than at base.)</p>				
<p><b>Brood Patch</b></p> <p>0 - None present, breast feathered.  1 - Feathers dropped, skin smooth and dark red; some vascularization.  2 - Skin vascularized and wrinkled, fluid present.  3 - Vascularization extreme, skin wrinkled, much fluid.  4 - Wrinkled skin, thin and dry; vascularization and fluid mostly gone.  5 - Vascularization, fluid, and wrinkles gone; pinfeathers appearing.</p>	<p><b>Body Molt</b></p> <p>0 - None.  1 - Trace; a few feathers anywhere on body.  2 - Light; a number from any individual tract.  3 - Medium; a number from several tracts or most of head.  4 - Heavy; more than half from most tracts; more than b of body.</p>				
<p><b>Fat</b></p> <p>0 - No fat anywhere.  1 - Furcular hollow less than 5% full.  2 - Furcular hollow 5-33% full.  3 - Furcular hollow about half full (34%-66%).  4 - Furcular hollow full, 67%-100%, fat thick in wingspits and on abdomen.  5 - Fat bulging above furcular hollow, in wingspits, and on abdomen.  6 - Fat greatly bulging in all areas.  7 - Excessive; fat nearly joined from all areas.</p>	<p><b>Juvenal Body Plumage</b> (body feathers only)</p> <p>3 - Juvenal plumage growing in or full.  2 - In preformative molt; more than half of juvenal plumage remains.  1 - In preformative molt; less than half of juvenal plumage remains.  0 - None; no juvenal plumage remaining.</p>				
<p><b>Flight-feather Molt</b> (primaries, secondaries, &amp; tail)</p> <p>Most species do not molt juvenal flight-feathers. Check Pyle 1997 for each species. The code "S" essentially means "flight-feather molt occurring" - it may not always be exactly symmetrical</p> <p>N - None.  A - Adventitious, accidental, asymmetric.  S - Full, normal symmetric molt.  J - Growth of juvenal (1st-generation) flight feathers.</p>	<p><b>Molt Limits &amp; Plumage</b></p> <p>Unless a tract is completely composed of alternate feathers, alternate feathers in a tract are ignored.</p> <p><b>J - Juvenal;</b> feather tract comprised entirely of retained juvenal feathers or non-feathered body part shows characteristics indicative of a young bird</p> <p><b>L - Molt limit;</b> molt limit between juvenal and formative feathers</p> <p><b>F - Formative;</b> feather tract comprised entirely of formative feathers</p> <p><b>B - Basic;</b> feather tract entirely of basic feathers or non-feathered body part shows characteristics indicative of an adult bird</p> <p><b>R - retained;</b> both juvenal and basic feathers are present within the tract (typically with woodpeckers only)</p> <p><b>M - Mixed;</b> multiple generations of basic feathers are present in the tract (typically with woodpeckers only)</p> <p><b>A - Alternate;</b> ALL feathers in the tract are of alternate plumage</p> <p><b>N -</b> definitely not juvenal feathers, but whether or not they are formative or basic feathers cannot be determined with confidence.</p> <p><b>U - Unknown;</b> feather tract or non-feathered body part examined, but shows ambiguous characteristics or cannot be coded with confidence</p>				
<p><b>Flight-feather Wear</b> (outer four primaries; not rectrices)</p> <p>0 - None; light feather edges remain.  1 - Very slight edge wear; no fraying or nicks.  2 - Slight; definitely worn but very little fraying, very few nicks.  3 - Moderate; definite fraying and nicks; chips along vanes.  4 - Heavy; feathers worn and frayed, tips missing.  5 - Excessive; extreme wear, shafts exposed beyond vanes, tips broken off.</p>					
<b>AGE CODES</b>					
<b>HY</b> Hatch Year	<b>SY</b> Second Year	<b>AHY</b> = After Hatch Year	<b>ASY</b> = After Second Year	<b>L</b> = Local (nest box/nestlings)	<b>U</b> Unknown

[HTTP://WWW.HBRCNET.ORG](http://www.hbrcnet.org)

Prepared by T. K. Tolford for most Eastern inland birds. For copies, queries, errors/corrections, or customized lists, e-mail [hbrc@hbrcnet.org](mailto:hbrc@hbrcnet.org) - subject "CHEAT SHEET"