	RUSSIA'S RING OF FIRE #1821 14 - 26 June 2018 Species	Area of Occurrence	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20	Day 21	Day 22	Day 23	Day 24	Day 25	Day 26	Day 27	Day 28	Day 29	Day 30
1	**WILLOW GROUSE (WILLOW PTARMIGAN)** *Lagopus lagopus*	OH, KM, CH									1																				
2	**ROCK PTARMIGAN** *Lagopus muta*	CM, KM, CH												2																	
3	**BLACK-BILLED CAPERCAILLIE** *Tetrao urogalloides*	OH, KM																													
4	**TAIGA BEAN GOOSE** *Anser fabalis*	KM, CH																													
5	**TUNDRA BEAN GOOSE** *Anser serrirostris*	KM, CH																													
6	**GREATER WHITE-FRONTED GOOSE** *Anser albifrons*	KM, CH																													
7	**SNOW GOOSE** *Anser caerulescens*	CH, WR																													
8	**EMPEROR GOOSE** *Anser canagicus*	CH																													
9	**BRENT GOOSE** *Branta bernicla*	OH, KM, CH, WR																													
10	**LESSER CANADA GOOSE** *Branta canadensis parvipes*	KM, KL						6																							
11	**WHOOPER SWAN** *Cygnus cygnus*	CH																													
12	**WHISTLING SWAN** *Cygnus columbianus columbianus*	CH																													
13	**FALCATED TEAL** *Anas falcate*	OH, KL, KM																													
14	**EURASIAN WIGEON** *Anas Penelope*	OH, KL, KM, CH					1		6		2																				
15	**AMERICAN WIGEON** *Anas americana*	KM, CH																													
16	**MALLARD** *Anas platyrhynchos*	OH, KL, CM, KM, CH							1		A=																				
17	**NORTHERN SHOVELER** *Anas clypeata*	OH, KL, KM, CH							6		2																				
18	**NORTHERN PINTAIL** *Anas acuta*	OH, KL, KM, CH									6																				
19	**EURASIAN TEAL** *Anas crecca*	OH, KL, CM, KM, CH							1																						
20	**TUFTED DUCK** *Aythya fuligula*	OH, KL, KM, CH			2				2		2																				

KEY OF ABBREVIATIONS

A 1-10, A= c10-15, A- about 15-30, A+ c80-100,
B 10-100, B= more than a hundred,
B- low hundreds, C 100-1000, C- low thousands,
C+ high thousands, D tens of thousands (i.e. 10,000-100,000), D= more than ten thousand, D- low tens of thousands, D+ high tens of thousands, E hundreds of thousands (i.e. 100,000-1,000,000), H Heard Only

	RUSSIA'S RING OF FIRE #1821 14 - 26 June 2018 Species	Area of Occurrence	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20	Day 21	Day 22	Day 23	Day 24	Day 25	Day 26	Day 27	Day 28	Day 29	Day 30
21	**GREATER SCAUP** *Aythya marila*	KL, KM, CH						3	A=		A=																				
22	**STELLER'S EIDER** *Polysticta stelleri*	KM, CH																													
23	**SPECTACLED EIDER** *Somateria fischeri*	CH, WR																													
24	**KING EIDER** *Somateria spectablis*	KM, CH, WR																													
25	**COMMON EIDER** *Somateria mollissima*	OH, CM, KM, CH, WR																													
26	**HARLEQUIN DUCK** *Histrionicus histrionicus*	OH, KL, CM, KM, CH	3	A-		8	A=	A-	4	A-		A-	3	A																	
27	**WHITE-WINGED SCOTER** *Melanitta deglandi stejnegeri*	OH, KL, KM, CH		A-				2																							
28	**BLACK SCOTER** *Melanitta americana*	OH, KL, KM, CH		B-		A		A-																							
29	**LONG-TAILED DUCK (OLDSQUAW)** *Clangula hyemalis*	KM, CH, WR												1																	
30	**COMMON GOLDENEYE** *Bucephala clangula*	OH, KL, KM, CH									2																				
31	**SMEW** *Mergellus albellus*	OH, KM									1																				
32	**GOOSANDER (COMMON MERGANSER)** *Mergus merganser*	OH, KL, KM, CH			2		4			A=																					
33	**RED-BREASTED MERGANSER** *Mergus serrator*	OH, KL, CM, KM, CH										2		2																	
34	**RED-THROATED DIVER (RED-THROATED LOON)** *Gavia stellata*	OH, KL, CM, KM, CH, WR		6				1			A=																				
35	**BLACK-THROATED DIVER (ARCTIC LOON)** *Gavia arctica*	OH, KL, KM, CH		1		3																									
36	**PACIFIC DIVER (PACIFIC LOON)** *Gavia pacifica*	KM, CH		A-		A-																									
37	**WHITE-BILLED DIVER (YELLOW-BILLED LOON)** *Gavia adamsii*	KM, CH		4		1																									
38	**LAYSAN ALBATROSS** *Phoebastria immutablis*	KL, CM, KM		1		A	A	A		1	A=	A-	2																		
39	**BLACK-FOOTED ALBATROSS** *Phoebastria nigripes*	KL, CM, KM				1	3					1																			
40	**SHORT-TAILED ALBATROSS** *Phoebastria albatrus*	KL, CM, KM				4	4	1				3																			

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41	**SLAVONIAN GREBE (HORNED GREBE)** *Podiceps auritus*	KM, CH																													
42	**NORTHERN FULMAR** *Fulmarus glacialis*	OH, KL, CM, KM, CH, WR	B	B	A	C	E	C	C-	B-	B	C	B																		
43	**MOTTLED PETREL** *Pterodroma inexpectata*	CM, KM		2	1	4	1	1			2	2	A																		
44	**SOOTY SHEARWATER** *Puffinus griseus*	KL, CM, KM, CH																													
45	**SHORT-TAILED SHEARWATER** *Puffinus tenuirostris*	OH, KL, CM, KM, CH, WR	C	C	A	C	B	B	B	A	A	B+	B																		
46	**LEACH'S STORM-PETREL** *Oceanodroma leucorhoa*	OH, KL, CM, KM				1				3	2	1	2																		
47	**FORK-TAILED STORM-PETREL** *Oceanodroma monorhis*	OH, KL, CM, KM, CH	A			B=	A				B	B	B-																		
48	**RED-NECKED GREBE** *Podiceps grisegena*	OH, KL, KM																													
49	**SLAVONIAN GREBE (HORNED GREBE)** *Podiceps nigricollis*	OH, KL, KM																													
50	**GREY HERON** *Ardea cinerea*	OH, KL																													
51	**GREAT EGRET** *Ardea alba*	OH																													
52	**TEMMINCK'S CORMORANT** *Phalacrocorax filamentosus*	KL		A	6	6																									
53	**PELAGIC CORMORANT** *Phalacrocorax pelagicus*	OH, KL, CM, KM, CH	A-	B-	A-	A	A		A	A	4	A	A	A																	
54	**RED-FACED CORMORANT** *Phalacrocorax urile*	KL, CM, KM				A=	A-	A-	A-			A	A	A																	
55	**HOBBY** *Falco subbuteo*	OH, KM																													
56	**GYRFALCON** *Falco rusticolus*	KM, CH																													
57	**PEREGRINE FALCON** *Falco peregrinus*	OH, KL, CM, KM, CH			1	4	1	1																							
58	**OSPREY** *Pandion haliaetus*	OH			1																										
59	**BLACK-EARED KITE** *Milvus lineatus*	OH, KL		1																											
60	**WHITE-TAILED EAGLE** *Haliaeetus albicilla*	OH, KL, KM, CH		A=	2	4		1																							

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61	**STELLER'S SEA EAGLE** *Haliaeetus pelagicus*	OH, KL, KM, CH				1				4	7			3																	
62	**EUROPEAN SPARROW-HAWK** *Accipter nisus*	OH, KL, KM																													
63	**NORTHERN GOSHAWK** *Accipiter gentiles*	OH, KM																													
64	**EASTERN BUZZARD** *Buteo japonicu s*	KL		1	1				1																						
65	**ROUGH-LEGGED BUZZARD** *Buteo lagopus*	OH, KL, KM, CH						2																							
66	**GOLDEN EAGLE** *Aquila chrysaetos*	OH, KM, CH																													
67	**SANDHILL CRANE** *Grus Canadensis*	KM, CH																													
68	**EURASIAN OYSTERCATCHER** *Haematopus ostralegus*	OH, KM																													
69	**PACIFIC GOLDEN PLOVER** *Pluvialis fulva*	KM, CH																													
70	**GREY PLOVER (BLACK-BELLIED PLOVER)** *Pluvialis squatarola*	KM, CH, WR																													
71	**COMMON RINGED PLOVER** *Charadrius hiaticula*	KM, CH																													
72	**SEMIPALMATED PLOVER** *Charadrius semipalmatus*	CH																													
73	**LITTLE RINGED PLOVER** *Charadrius dubius*	OH																													
74	**LONG-BILLED PLOVER** *Charadrius placidus*	KL																													
75	**LESSER SAND PLOVER (MONGOLIAN PLOVER)** *Charadrius mongolus*	CM, KM, CH										A-																			
76	**LATHAM'S SNIPE** *Gallinago hardwickii*	KL		6		2																									
77	**COMMON SNIPE** *Gallinago gallinago*	OH, CM, KM, CH									2																				
78	**LONG-BILLED DOWITCHER** *Limnodromus scolopaceus*	CH																													
79	**BLACK-TAILED GODWIT** *Limosa limosa*	OH, KM									1																				
80	**BAR-TAILED GODWIT** *Limosa lapponica*	CH																													

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81	**WHIMBREL** *Numenius phaeopus*	CH									1																				
82	**FAR EASTERN CURLEW** *Numenius madagascariensis*	OH, KM									A=																				
83	**GREENSHANK** *Tringa nebularia*	OH, KL, KM									1																				
84	**REDSHANK** *Ficedula mugimaki*	OH									H																				
85	**WOOD SANDPIPER** *Tringa glareola*	OH, KL, KM, CH									1																				
86	**GREY-TAILED TATTLER** *Heteroscelus brevipes*	KM, CH																													
87	**TEREK SANDPIPER** *Xenus cinereus*	KM, CH																													
88	**COMMON SANDPIPER** *Tringa hypoleucos*	OH, KL, KM, CH		1																											
89	**RUDDY TURNSTONE** *Arenaria interpres*	CH, WR																													
90	**GREAT KNOT** *Calidris tenuirostris*	KM, CH																													
91	**RED KNOT** *Calidris canutus rogersi*	KM, CH																													
92	**SEMIPALMATED SANDPIPER** *Calidris pusilla*	CH																													
93	**WESTERN SANDPIPER** *Calidris mauri*	CH																													
94	**RED-NECKED STINT** *Calidris ruficollis*	KM, CH																													
95	**TEMMINCK'S STINT** *Calidris temminckii*	KM, CH																													
96	**LONG-TOED STINT** *Calidris subminuta*	CM, KM, CH																													
97	**BAIRD'S SANDPIPER** *Calidris bairdii*	CH																													
98	**PECTORAL SANDPIPER** *Calidris melanotos*	CH																													
99	**ROCK SANDPIPER** *Calidris ptilocnemis*	CM, CH										A-																			
100	**DUNLIN** *Calidris alpine sakhalina*	CM, KM, CH, WR										A																			

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101	**SPOON-BILLED SANDPIPER** *Eurynorhynchus pygmaeus*	KM, CH																													
102	**RUFF** *Philomachus pugnax*	KM, CH																													
103	**GRAY PHALAROPE (RED PHALAROPE)** *Phalaropus fulicarius*	KL, CM, KM, CH, WR					9																								
104	**RED-NECKED PHALAROPE** *Phalaropus lobatus*	OH, KL, CM, KL, CH		2																											
105	**BLACK-TAILED GULL** *Larus crassirostris*	KL		1																											
106	**COMMON GULL (MEW GULL)** *Larus canus kamtschtschensis*	OH, KL, KM, CH									6																				
107	**GLAUCOUS-WINGED GULL** *Larus glaucescens*	KL, CM, KM						1	1	1	3	B=	A=	2																	
108	**GLAUCOUS GULL** *Larus hyperboreus*	OH, KL, KM, CH, WR	3						1																						
109	**VEGA GULL** *Larus vegae*	KL, KM, CH																													
110	**SLATY-BACKED GULL** *Larus schistisagus*	OH, KL, CM, KM, CH	A	B=	B-	B	B	B	B	A	B	1		A-																	
111	**BLACK-HEADED GULL** *Larus ridibundus*	OH, KL, KM									A																				
112	**ROSS'S GULL** *Rhodostethia rosea*	WR																													
113	**IVORY GULL** *Pagophila eburnea*	CH, WR																													
114	**SABINE'S GULL** *Xema sabini*	KM, CH, WR																													
115	**BLACK-LEGGED KITTIWAKE** *Rissa tridactyla pollicaris*	OH, KL, CM, KM, CH, WR	A	B	A	C+	C	B	B	A	6	C-	A																		
116	**RED-LEGGED KITTIWAKE** *Rissa brevirostris*	CM, KM									6	A	A																		
117	**COMMON TERN** *Sterna Hirundo*	OH, KL, KM, CH									A=																				
118	**ARCTIC TERN** *Sterna paradisaea*	OH, CM, KM, CH, WR																													
119	**ALEUTIAN TERN** *Sterna aleutica*	OH, KM, CH									1																				
120	**ARCTIC SKUA (PARASITIC JAEGER)** *Stercorarius parasiticus*	OH, KL, CM, KM, CH, WR		2								1																			

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121	**LONG-TAILED SKUA (LONG-TAILED JAEGER)** *Stercorarius longicadus*	KL, KM, CH, WR									2		1																		
122	**POMARINE SKUA (POMARINE JAEGER)** *Stercorarius pomarinus*	KL, KM, CH, WR	1	4																											
123	**LITTLE AUK (DOVEKIE)** *Alle alle*	KM, CH																													
124	**COMMON GUILLEMOT (COMMON MURRE)** *Uria aalge*	OH, KL, CM, KM, CH, WR	6	A-		A			C-	A	A	B	A	6																	
125	**BRÜNNICH'S GUILLEMOT (THICK-BILLED MURRE)** *Uria lomvia*	OH, KL, CM, KM, CH, WR	3			C-	C	C	B	A		B	A	A=																	
126	**BLACK GUILLEMOT** *Cepphus grille*	CH, WR																													
127	**PIGEON GUILLEMOT** *Cepphus columba*	OH, KL, WR, KM, CH								A		A-	4	A-																	
128	**KURIL GUILLEMOT** *Cepphus [columba] snowi*	KL				A	A	A+	A																						
129	**SPECTACLED GUILLEMOT** *Cepphus carbo*	OH, KL, KM		B=	4																										
130	**KITTLITZ'S MURRELET** *Brachyramphus brevirostris*	OH, KM, CH, WR								4																					
131	**LONG-BILLED MURRELET** *Brachyramphus marmoratus*	OH, KL, KM								5																					
132	**ANCIENT MURRELET** *Synthliboramphus antiquus*	OH, KL, CM, KM	6	6	7	4		A	A	1																					
133	**CRESTED AUKLET** *Aethia cristatella*	OH, KL, CM, KM, CH	2			D=	F	A																							
134	**LEAST AUKLET** *Aethia pusilla*	OH, CM, KM, CH				1																									
135	**PARAKEET AUKLET** *Aethia psittacula*	OH, KL, CM, KM, CH				1	1		1		1		A-																		
136	**WHISKERED AUKLET** *Aethia pygmaea*	OH, KL, CM				6	D																								
137	**RHINOCEROS AUKLET** *Cerorhinca monocerata*	OH, KL	A=	B=	A-	1		1																							
138	**HORNED PUFFIN** *Fratercula corniculata*	OH, KL, CM, KM, CH, WR				A=		A	A	A	1	3	4	5																	
139	**TUFTED PUFFIN** *Fratercula cirrhata*	OH, KL, CM, KM, CH, WR		A=	4	B	B	B	B	B	B	B	B	A																	
140	**ORIENTAL TURTLE DOVE** *Streptopelia orientalis*	KL		6	2	1																									

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141	**EURASIAN CUCKOO** *Cuculus canorus*	OH, KL, KM, CH		1		H				1		1		1																		
142	**ORIENTAL CUCKOO** *Cuculus saturatus*	OH, KL, KM, CH			H	1																										
143	**SNOWY OWL** *Bubo scandiacus*	CH, WR																														
144	**BLAKINSTON'S FISH-OWL** *Ketupa blakistoni*	KL																														
145	**NORTHERN HAWK OWL** *Surnia ulula*	KM, OH																														
146	**PACIFIC SWIFT** *Apus pacificus*	OH, KL, KM	A	A	A	5																										
147	**CRESTED KINGFISHER** *Ceryle lugubris*	KL																														
148	**JAPANESE PYGMY WOODPECKER** *Dendrocopos kizuki*	KL																														
149	**LESSER-SPOTTED WOODPECKER** *Dendrocopos minor*	OH, KL, KM																														
150	**WHITE-BACKED WOODPECKER** *Dendrocopus leucotos*	KL, KM																														
151	**GREAT SPOTTED WOODPECKER** *Dendrocopus major*	OH, KL, KM		2																												
152	**THREE-TOED WOODPECKER** *Picoides tridactylus*	KM, OH																														
153	**BROWN SHRIKE** *Lanius cristatus*	OH, KL, KM																														
154	**BULL-HEADED SHRIKE** *Lanius bucephalus*	OH, KL					1																									
155	**COMMON MAGPIE** *Pica pica*	KM																														
156	**SPOTTED NUTCRACKER** *Nucifraga caryocatactes*	OH, KL, KM			1	2	4																									
157	**CARRION CROW** *Corvus corone*	OH, KL, KM		A	2						4																					
158	**LARGE-BILLED CROW** *Corvus macrorhynchos*	KL		A	A	A=																										
159	**COMMON RAVEN** *Corvus corax*	OH, KL, CM, KM, CH, WR			A	A=	2		1	2	1			2																		
160	**JAPANESE TIT** *Periparus major*	KL																														

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161	**COAL TIT** *Periparus ater*	OH, KL, KM		A-																											
162	**WILLOW TIT** *Poecile montanus*	OH, KL, KM		2																											
163	**SAND MARTIN (BANK SWALLOW)** *Riparia riparia*	OH, KL, KM			6				3																						
164	**BARN SWALLOW** *Hirundo rustica*	OH, KL, KM			1																										
165	**NORTHERN HOUSE MARTIN** *Delichon urbicum*	OH, KM																													
166	**LONG-TAILED TIT** *Aegithalos caudatus*	OH, KL, KM																													
167	**SKYLARK** *Alauda arvensis*	OH, KL, KM				A-		A-	1		1	1																			
168	**JAPANESE BUSH WARBLER** *Cettia diphone*	KL		2	H	1																									
169	**LANCEOLATED WARBLER** *Locustella lanceolata*	OH, KM																													
170	**MIDDENDORFF'S GRASSHOPPER WARBLER** *Locustella ochotensis*	OH, KL, KM				6	H	2	A-	4																					
171	**GRAY'S GRASSHOPPER WARBLER** *Locustella fasciolata*	KL		1																											
172	**DUSKY WARBLER** *Phylloscopus fuscatus*	OH, KM, CH												H																	
173	**PALLAS' LEAF WARBLER** *Phylloscopus proregulus*	OH																													
174	**ARCTIC WARBLER** *Phylloscopus borealis*	OH, KM, CH																													
175	**KAMCHATKA LEAF WARBLER** *Phylloscopus borealis examinandus*	KL, KM			1	6	A	2	A=	2	H			H																	
176	**TWO-BARRED WARBLER** *Phylloscopus plumbeitarsus*	OH																													
177	**EASTERN CROWNED WARBLER** *Phylloscopus coronatus*	KL																													
178	**GOLDCREST** *Regulus regulus*	KL		4																											
179	**EURASIAN WREN** *Troglodytes troglodytes*	KL		4		H	2	H		H																					
180	**PACIFIC WREN** *Troglodytes pacificus*	OH																													

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181	**EURASIAN NUTHATCH** *Sitta europaea*	OH, KL, KM		H																											
182	**EURASIAN TREECREEPER** *Certhia familiaris*	KL																													
183	**CHESTNUT-CHEEKED STARLING** *Sturnus philippensis*	KL			3																										
184	**EYE-BROWED THRUSH** *Turdus obscurus*	OH, KM																													
185	**BROWN-HEADED THRUSH** *Turdus chrysolaus*	KL			4	A=	A-	2	A-	1																					
186	**DUSKY THRUSH** *Turdus naumanii*	OH, KM, CH																													
187	**BLUETHROAT** *Luscinia svevica*	OH, KM, CH																													
188	**JAPANESE ROBIN** *Erithacus akahige*	KL			3	1																									
189	**SIBERIAN RUBYTHROAT** *Luscinia calliope*	OH, KL, KM		1	1	A=	A-	6	6					H																	
190	**RED-FLANKED BLUETAIL** *Tarsiger cyanurus*	OH, KL, KM		6	1																										
191	**SWINHOE'S ROBIN** *Erithacus sibilans*	OH, KM																													
192	**SIBERIAN STONECHAT** *Saxicola maurus*	OH, KL		4																											
193	**NORTHERN WHEATEAR** *Oenantha oenanthe*	CH, WR																													
194	**GREY-STREAKED FLYCATCHER** *Muscicapa sibirica*	KL, KM																													
195	**DARK-SIDED FLYCATCHER** *Muscicapa sibirica*	OH, KL, KM																													
196	**ASIAN BROWN FLYCATCHER** *Muscicapa daurica*	OH, KL, KM		2																											
197	**NARCISSUS FLYCATCHER** *Ficedula narcissina*	KL		2																											
198	**TAIGA FLYCATCHER** *Ficedula parva*	OH, KM, CH								1	1																				
199	**MUGIMAKI FLYCATCHER** *Ficedula mugimaki*	OH																													
200	**BROWN DIPPER** *Cinclus pallasii*	OH, KL, KM																													

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201	**HOUSE SPARROW** *Passer domesticus*	OH																													
202	**RUSSET SPARROW** *Passer rutilans*	KL																													
203	**EURASIAN TREE SPARROW** *Passer montanus*	OH, KL, KM			6							A+																			
204	**SIBERIAN ACCENTOR** *Prunella montanella*	OH, KM																													
205	**JAPANESE ACCENTOR** *Prunella rubida*	KL			4																										
206	**"ALASKA" EASTERN YELLOW WAGTAIL** *Motacilla tschutschensis tschutschensis*	KM, CH, WR								4	3																				
207	**"KAMCHATKA" EASTERN YELLOW WAGTAIL** *Motacilla tschutschensis simillima*	CM, KM																													
208	**"GREEN-HEADED" EASTERN YELLOW WAGTAIL** *Motacilla tschutschensis taivana*	OH, KL																													
209	**GREY WAGTAIL** *Motacilla cinerea*	OH, KL, KM		2	1						1																				
210	**"EAST SIBERIAN" WHITE WAGTAIL** *Motacilla alba ocularis*	OH, KL, CM, KM, CH																													
211	**"BLACK-BACKED" WHITE WAGTAIL** *Motacilla alba lugens*	KL, KM		A-	A-	A-	A-	A-	A	A=	2	A=		2																	
212	**OLIVE-BACKED PIPIT** *Anthus hodgsoni*	OH, KL, KM																													
213	**PECHORA PIPIT** *Anthus gustavi*	CM, KM, CH										2																			
214	**RED-THROATED PIPIT** *Anthus cervinus*	OH, KL, CM, KM, CH																													
215	**BUFF-BELLIED PIPIT** *Anthus rubescens japonicus*	KL, KM, CH, WR				5	2	A	A-																						
216	**BRAMBLING** *Fringilla montifringilla*	OH, KL, KM									1																				
217	**ORIENTAL GREENFINCH** *Carduelis sinica*	KL, KM			3	A=																									
218	**EURASIAN SISKIN** *Carduelius spinus*	OH, KL			1																										
219	**COMMON REDPOLL (MEALY REDPOLL)** *Carduelius flammes*	OH, KL, KM, CH							1																						
220	**ARCTIC REDPOLL (HOARY REDPOLL)** *Carduelius hornemanni*	CM, KM, CH, WR																													

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221	**ASIAN ROSY-FINCH** *Leucosticte arcota*	KM, CH						1																							
222	**GRAY-CROWNED ROSY FINCH** *Leucosticte tephrocotis*	CM																													
223	**LONG-TAILED ROSEFINCH** *Uragus sibiricus*	KL		1		1																									
224	**COMMON ROSEFINCH** *Carpodacus erythrinus*	OH, KL, KM								1	2			1																	
225	**PINE GROSBEAK** *Pinicola enucleator*	OH, KL, KM					5																								
226	**COMMON CROSSBILL (RED CROSSBILL)** *Loxia curvirostra*	KL																													
227	**"GREY-BELLIED" EURASIAN BULLFINCH**	KL		3	3	A=	A-																								
228	**HAWFINCH** *Coccothraustes coccothraustes*	KL									1																				
229	**LITTLE BUNTING** *Emberiza pusilla*	KM, CH																													
230	**RUSTIC BUNTING** *Emberiza rustica*	OH, KM									2																				
231	**YELLOW-BREASTED BUNTING** *Emberiza aureola*	OH, KM																													
232	**BLACK-FACED BUNTING** *Emberiza spodocephala*	KL		5	2	A=	2																								
233	**GREY BUNTING** *Emberiza variabilis*	KL							1																						
234	**PALLAS'S REED BUNTING** *Emberiza pallasi*	KM, CH																													
235	**COMMON REED BUNTING** *Emberiza schoeniclus*	OH, KL, KM							6	4																					
236	**LAPLAND BUNTING (LAPLAND LONGSPUR)** *Calcarius lapponicus*	CM, KM, CH, WR										A																			
237	**SNOW BUNTING** *Plectrophenax nivalis*	CM, KM, CH, WR																													
238	**COMMON KINGFISHER**			1																											
239	**FLESH-FOOTED SHEARWATER**			3																											
240	**NORTHERN SHRIKE**						1																								

	RUSSIA'S RING OF FIRE #1821 14 - 26 June 2018 Species	Area of Occurrence	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20	Day 21	Day 22	Day 23	Day 24	Day 25	Day 26	Day 27	Day 28	Day 29	Day 30
241	**BOHEMIAN WAXWING**								1																						
242																															
243	**EURASIAN RED SQUIRREL** *Sciuris vulgaris*	KM, OH																													
244	**BLACK-CAPPED MARMOT** *Marmota camtschatica*	KM																													
245	**ARCTIC GROUND SQUIRREL** *Citellus parryi*	KM, CH																													
246	**SIBERIAN CHIPMUNK** *Tamias sibiricus*	OH																													
247	**GREY RED-BACKED VOLE** *Myodes rufocanus*	KM, OH, KL																													
248	**NORTHERN RED-BACKED VOLE** *Clethrionomys rutilus*	OH, KL, KM																													
249	**TUNDRA VOLE** *Microtus oeconomus*	OH, KL, KM, CH					A	2	2																						
250	**LEMMING VOLE** *Alticola lemminus*	CH																													
251	**MUSKRAT** *Ondatra zibethicus*	KM																													
252	**SIBERIAN BROWN LEMMING** *Lemmus sibiricus*	CH, WR																													
253	**WOOD LEMMING** *Myopus schisticolor*	KM, SH, OH																													
254	**ARCTIC COLLARED LEMMING** *Dicrostonyx torquatus*	CH, KM																													
255	**WRANGEL LEMMING (VINOGRADOV'S LEMMING)** *Dicrostonyx vinogradovi*	WR																													
256	**NORTHERN PIKA** *Ochotona hyperborean*	OH, KM, CH																													
257	**MOUNTAIN HARE** *Lepus timidus*	OH, KM, CH								2																					
258	**CARIBOU (REINDEER)** *Rangifer tarandus phylarchus*	OH, KM, CH, WR										B																			
259	**SNOW SHEEP** *Ovis nivicola*	KM, CH																													
260	**MUSK OX** *Ovibos moschatus*	WR																													

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261	**GRAY WOLF** *Canis lupis*	OH, KM, CH, WR																													
262	**ARCTIC FOX** *Alopex lagopus*	KL, CM, KM, CH, WR					4																								
263	**RED FOX** *Vulpes vulpes*	OH, KL, KM		1		A=	1	1	1					2																	
264	**POLAR BEAR** *Ursus maritimus*	CH, WR																													
265	**BROWN BEAR** *Ursus arctos*	OH, KL, KM, CH								12				12																	
266	**LEAST WEASEL** *Mustela nivalis*	OH, KL, KM, CH																													
267	**SHORT-TAILED WEASEL (STOAT)** *Mustela erminea*	OH, KL, KM, CH																													
268	**WOLVERINE (GLUTTON)** *Gulo gulo*	OH, KM, CH, WR																													
269	**EURASIAN RIVER OTTER** *Lutra lutra*	KM																													
270	**SEA OTTER** *Enhydra lutris*	KL, CM, KM				1	6	2	A+			A																			
271	**RINGED SEAL** *Pusa hispida*	OH, KM, CH, WR																													
272	**RIBBON SEAL** *Phoca fasciata*	OH, KM, CH																													
273	**HARBOR SEAL** *Phoca vitulina*	KL, CM		A=					A					2																	
274	**SPOTTED SEAL (LARGHA SEAL)** *Phoca larga*	OH, KL, KM, CH WR		1						6	B-																				
275	**BEARDED SEAL** *Erignathus barbatus*	OH, KM, CH, WR																													
276	**STELLER'S SEA LION (NORTHERN SEA LION)** *Eumetopias jubatus*	KL, CM, KM				1				A+	1																				
277	**NORTHERN FUR SEAL** *Callorhinus ursinus*	KL, CM, KM	1									2	1																		
278	**WALRUS** *Odobenus rosmarus divergens*	KM, CH, WR																													
279	**ORCA (KILLER WHALE)** *Orcinus orca*	OH, KL, CM, KM CH,				6	A	5		A		5	1																		
280	**HARBOR PORPOISE** *Phocoena phpcoena*	OH, KL, CM, KM, CH, WR	2																												

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281	**DALL'S PORPOISE** *Phocoenoides dalli*	OH, KL, CM, KM			A	A-	A-	A=	6																						
282	**BELUGA** *Delphinapterus leucas*	OH, KM, CH									1																				
283	**FALSE KILLER WHALE** *Pseudorca crassidens*	KL																													
284	**SHORT-BEAKED COMMON DOLPHIN** *Delphinus delphis*	KL																													
285	**STRIPED DOLPHIN** *Stenella coeruleoalba*	KL																													
286	**NORTHERN RIGHT WHALE DOLPHIN** *Lissodelphis borealis*	KL																													
287	**BAIRD'S BEAKED WHALE** *Berardius bairdii*	CM, KM									6																				
288	**STEJNEGER'S BEAKED WHALE** *Mesoplodon stejnegeri*	CM																													
289	**SPERM WHALE** *Physter macrocephalus*	KL, CM, KM				A=	1				2																				
290	**BLUE WHALE** *Balaenoptera musculus*	CM											2																		
291	**FIN WHALE** *Balaenoptera physalus*	OH, KL, CM, KM, CH						2			1																				
292	**SEI WHALE** *Balaenoptera borealis*	OH, KL	4																												
293	**MINKE WHALE** *Balaenoptera acutorostrata*	OH, KL, CM, KM, CH, WR											1																		
294	**HUMPBACK WHALE** *Megaptera novaeangliae*	CM, KM, CH									3	8	6																		
295	**GRAY WHALE** *Eschrichtius robustus*	OH, KM, CH, WR																													
296	**NORTH PACIFIC RIGHT WHALE** *Eubalaena japonica*	OH, CM																													
297	**BOWHEAD WHALE** *Balaena mysticetus*	OH, CH																													
298	**PACIFIC WHITE-SIDED DOLPHIN**											1																			
299																															

PLANT LIST FROM “RING OF FIRE” #1821 14 – 26 June 2018

Kunashir	
Dune wildrye	*Leymus mollis*
Seabeach sandwort	*Honckenya oblongifolia*
Blunt-articulate rose	*Rosa amblyotis*
White false helebore	*Veratum oxysepalum*
Kuril bamboo	*Sasa kurilensis*
Ajan spruce	*Picea ajanensis*
Kamchatka bog orchid	*Platanthera camtschatica*
Keyflower orchid	*Dactylorhiza aristata*
Sprawling oreorchis	*Oreorchis patens*
May lily	*Maianthemum dilatatum*
Butterburr	*Petacites japonica*
Climbing hydrangea	*Hydrangea petiolaris*
Kamchatka trillium	*Trillium camtschatensis*
Winter cress	*Barbarea orthoceras*
Siberian dwarf pine	*Pinus pumila*
Artemesia species	*Artemesia*
Wild-flag	*Iris setosa*
Stone birch	*Betula tauschii*
Speedwell	*Veronica spp.*
Roseroot stonecrop	*Rhodiola rosea*
Primula	*Primula japonica*
Solomon’s seal	
Oak	*Quercus dentata*
Cajander’s larch	*Larix cajandera*
Maple	*Acer pictum*
Marsh labrador tea	*Ledum palustre*
Cinquefoil	
Dandelion	*Taraxacum species*
Urup	
Beach pea	*Lathyrus japonicus*
Alpine milkvetch	*Astragalus alpinus*
Grayleaf red raspberry	Rubus idaeus subspp
Shrubby cinquefoil	Potentilla fruticosa
Lupine-like goldenbanner	*Thermopsis lupinoides*
Triflorus lloydia	*Lloydia triflora*

Alder	*Alnus fruticosa* & various subspecies
Kamchatka red elderberry	*Sambucus kamtschatica*
Steller's rock cress	*Arabis hirsuta subsp stelleri*
Simushir	
Stone Birch	*Betula ermanii*
Siberian juniper	*Juniperus siberica*
Mountain sorrel	*Oxyria digyna*
Wild strawberry	
Selkirk's violet	*Viola selkirkii*
Wedge leaf primrose	*Primula cuneafolia*
Siberian mountain ash	Sorbus sambucifolia
Butterburr	Petacites japonica
Yanchika	
May lily	Maianthemum dilatatum
Bear's angelica	Angelica ursina
Onekatan	
Goldish rhododendron	*Rhododendron aureum*
Creeping azalia	*Loiseleuria procumbens*
Alpine bearberry	*Arctous alpina*
Lapland cornell	*Chamaepericlymenum suecicum*
Siberian dwarf pine	*Pinus pumila*
Shrub alder	*Alnus fruticosa*
Lingonberry	*Vaccinium vitis-idaea*
Atlasova	
Hemlock waterparsnip	*Sium suave*
Oysterleaf	*Mertensia maritima*
Bukhta Russkaya	
Shrub alder	*Alnus fruticosa*
Zhupanova River	
Stone birch	*Betula ermanii*
Downy alder	*Alnus hirsuta*
Bering Island	
Alpine tundra	*Various*