

Time	Sunday 23 October	
4:00-7:00pm	Arrival and check-in at Snow King/other accommodation	
3:00-5:30pm	REGISTRATION open – Snow King mezzanine area. Please leave posters on reception for display at the evening event.	
5:30-5:45pm	Loading and Bus leave Snow King for <u>EVENING RECEPTION</u>. Bus will shuttle to reception site every 30 minutes throughout evening	
6:00-10pm	<u>EVENING RECEPTION</u> at National Museum of Wildlife Art, Jackson, Wyoming, with shuttle-service bus back to Snow King. 6:30-7:00pm Welcome speeches 7:00-8:30pm Food provided POSTERS on display CASH BAR	
	LAST BUS to Hotel departs at 10 PM	

Time	Monday 24 October	
07:00-08:00		Breakfast buffet (included in registration <u>for those staying @ Snow King</u>) – TIMBERLINE 3 (upstairs from main hall). REGISTRATION OPEN
MORNING SESSION – GRAND ROOM		
INTRODUCTORY PRESENTATIONS		MODERATOR – GARY IVEY
Time	Authors	Title
08:00-08:10	t.b.c.	Symposium Introduction/Welcome
08:10-08:30	Margaret Smith	History of The Trumpeter Swan Society
08:30-08:50	Eileen Rees	History and role of the IUCN-SSC Swan Specialist Group
POPULATION TRENDS		MODERATOR – GARY IVEY
Time	Authors	Title
08:50-09:10	Preben Clausen et al.	Moving northeast – an update of the numbers and distribution of wintering Whooper Swan <i>Cygnus cygnus</i> in continental Europe and western Asia: results of the January 2020 census.
09:10-09:30	Kane Brides et al.	The Icelandic Whooper Swan <i>Cygnus cygnus</i> population: current status and long-term (1986-2020) trends in its numbers and distribution
09:30-09:50	Yuriy Mikhailov et al.	Dynamics of the number and distribution of swans in the Neva Bay of the Gulf of Finland (VIRTUAL)
09:50-10:10	Gary Ivey	History and status of the Malheur National Wildlife Refuge Trumpeter Swan flock
10:10-10:40	BREAK. Coffee/Tea (with snacks). REGISTRATION	

Time		Monday 24 October	
POPULATION TRENDS		MODERATOR – CRAIG ELY	
Time	Authors	Title	
10:40-11:10	Radoslaw Wlodarczyk	Twenty-five years of Mute Swan population studies in central Poland.	
11:10-11:30	Dave Olson	Status on the abundance levels and trends from the current Trumpeter Swan (<i>Cygnus buccinator</i>) survey of the Rocky Mountain Population, U.S. Breeding Segment	
11:30-11:50	Eileen Rees et al.	Population estimates and trends in numbers for Bewick's Swan <i>Cygnus columbianus bewickii</i> wintering in the NW European and Caspian/Black Sea regions: results of the January 2020 census	
11:50-12:10	Martin St. Louis et al.	Recent expansion of Rocky Mountain Population Trumpeter Swan winter range into Oregon	
12:10-12:30	Mark Vrtiska & Michael Anderson	The North American Trumpeter Swan Survey – resurrection or R.I.P.?	
12:30-14:00	LUNCH (included!). POSTERS TO THE WALL		
AFTERNOON SESSION – GRAND ROOM			
THREATS TO SWANS: LEAD POISONING		MODERATOR – PREBEN CLAUSEN	
Time	Authors	Title	
14:00-14:20	Martha Jordan	What the swans are telling us about lead poisoning	
14:20-14:40	Kevin Wood et al.	Swans and lead angling weights: a perspective from Europe	
14:40-15:00	Alysha Evans, Daniel Zimmerman et al.	A team effort: response, rehabilitation and release of Trumpeter Swan <i>Cygnus buccinator</i> and Tundra Swan <i>Cygnus columbianus</i> in western Washington State	
15:00-15:20	Julia Newth et al.	Lead ammunition poisoning: A One Health issue with a simple solution	
15:20-15:40	Mark Jankowski	Development of tools to site-specifically monitor exposure and effects of lead in Tundra Swans <i>Cygnus columbianus</i>	
15:40-16:10	BREAK. Tea/Coffee		
BREEDING AND SURVIVAL		MODERATOR – KEVIN WOOD	
Time	Authors	Title	
16:10-16.30	Anna Buckardt et al.	A family affair: using GPS/GSM collars and auxiliary markers to quantify Trumpeter Swan cygnet survival and dispersal	
16:30-16:50	Paige Miller et al.	Thermal ecology of Trumpeter Swan incubation	
16:50-17.10	Diana Solovyeva et al.	Eastern Bewick's Swan <i>Cygnus columbianus bewickii</i> survival as related to marking technique (VIRTUAL)	
17:10-18:10		POSTER SESSION	

Time		Tuesday 25 October	
07:00-08:00		Breakfast buffet (included with registration <u>for those staying at Snow King</u>) – TIMBERLINE 3 ROOM	
MORNING SESSION - GRAND ROOM			
HABITAT/LANDSCAPE USE		MODERATOR – JULIA NEWTH	
Time	Authors	Title	
08:30-08:50	Mark Vrtiska et al.	Trumpeter Swan fidelity and winter movements in the Nebraska Sandhills.	
08:50-09:10	Sergei Kouzov et al.	Spring feeding of three species of swans in the eastern part of the Gulf of Finland (VIRTUAL)	
09:10-09:30	Andrea Kristof et al.	Are they in it for the long haul? Tracking Rocky Mountain Trumpeter Swans in the Greater Yellowstone ecosystem and beyond	
09:30-09:50	Kevin Wood et al.	Behavioural and energetic consequences of competition among three overwintering swan species	
09:50-10:10	Cody Pitz et al.	Winter range and implications for management of Wyoming Trumpeter Swans (<i>Cygnus buccinator</i>)	
10:10-10:40	BREAK. Coffee/Tea (with snacks)		
HABITAT/LANDSCAPE USE (cont.)		MODERATOR – EILEEN REES	
Time	Authors	Title	
10:40-11:00	Laura Kearns et al.	Successful reintroduction of Trumpeter Swans in Ohio: results of population surveys and movement studies	
11:00-11:20	Preben Clausen et al.	The stable, the declining and the increasing: results from 50 years of swan censuses in Denmark 1967-2020 explained – an update	
11:20-11:40	Dmitrijs Boiko & Leho Luigujõe	Distribution, size and habitat choice of the Whooper Swan <i>Cygnus cygnus</i> population breeding in Latvia and Estonia, 1973 – 2021	
CONSEQUENCES OF CLIMATE CHANGE: MIGRATION		MODERATOR – EILEEN REES	
11:40-12:00	Hans Linssen et al.	What drives staying and leaving during autumn migration of Bewick's swans? (VIRTUAL)	
12:00-12:20	Bart Nolet et al.	Social learning of migration in swans: parental guidance during first return migration (VIRTUAL)	
12:20-12:40	Sergei Kouzov et al.	Influence of ice melting dates on the timing and bird number on spring migration stopovers of swans in the eastern part of the Gulf of Finland (VIRTUAL)	
12:40-14:00	LUNCH (included!).		
AFTERNOON SESSION - GRAND ROOM			
THREATS TO SWANS: CONSERVATION AND OUTREACH		MODERATOR – CARL MITCHELL	
Time	Authors	Title	
14:00-14:20	Kerry Mackie et al.	Farming for Whooper Swans <i>Cygnus cygnus</i> – efficacy of a mitigation programme for a road development in Northern Ireland	

Tuesday 25 October		
AFTERNOON SESSION - GRAND ROOM		
Time	Authors	Title
14:20-14:40	Gregory Beabout	Following 5P with Aristotelian Eyes: from the observation of Trumpeter Swan behaviour to the quest for living well.
14:40-15:00	Tiffany Mayo & Kelly Schouten	Helping Trumpeter Swans one crayon at a time: developing activity books to inspire youth
15:00-15:30	BREAK. Tea/Coffee	
Time	Authors	Title
15:30-16.30	Julia Newth et al.	"The Flight of the Swans" (FILM)
16:30-17:00	Eileen Rees et al.	WORKSHOP 1: IUCN-SSC Swan Specialist Group into the future
17:00-19:00	Margaret Smith et al.	WORKSHOP 2: Interior Population Trumpeter Swan Management Plan meeting (<u>CLOSED SESSION</u>)

Wednesday 26 October		
MID-CONFERENCE EXCURSION TO THE GRAND TETON NATIONAL PARK		
8.15 - 17.00	Bus will be ready for loading at 8.15, with departure at 8.30. This will be an all-day tour through Jackson Hole and Grand Teton National Park. The scenery is stunning! Assuming decent weather (always suspect in late October in the Rocky Mountain "high-country") participants will see panoramic views of one of the most iconic landscapes in North America, and examples of most of the native ungulates, including bison, elk, moose, mule deer and prong-horned antelope. Trumpeter Swans can be seen within Jackson	
13.00 – 17.00	Bill Long et al.	WORKSHOP 3: Swan rearing techniques (LOCATION: Valley Springs, Wyoming Wetlands Society Breeding Facility.)
18.00 – 19.30	Bewick's Swan Expert Group et al.	WORKSHOP 4: Bewick's Swan Action Plan Review: update/planning (LOCATION: TIMBERLAND 1 ROOM)

Time	Thursday 27 October	
07:00-08:00		Breakfast buffet (included with registration <u>for those staying at Snow King</u>) - TIMBERLINE 3 ROOM

MORNING SESSION - GRAND ROOM		
-------------------------------------	--	--

MOVEMENTS/DISTRIBUTION		MODERATOR – DAVE OLSON
-------------------------------	--	-------------------------------

Time	Authors	Title
08:30-08:50	David Wolfson	Interior Population Trumpeter Swan, <i>Cygnus buccinator</i> , annual movement and migration patterns
08:50-09:10	Sharon Poessel	Movements of the Rocky Mountain Population of Trumpeter Swans (<i>Cygnus buccinator</i>)
09:10-09:30	Carl Mitchell et al.	Historic distribution of Trumpeter (<i>Cygnus buccinator</i>) and Tundra (<i>Cygnus americanus</i>) in North America, 1587-1950
09:30-09:50	Todd Katzner	Origins of Trumpeter Swans (<i>Cygnus buccinator</i>) taken during hunting seasons in the northern Rocky Mountains
09:50-10:10	Timothy Poole	Trumpeter Swans in Manitoba: range expansion and movements at the northern edge of the Mississippi Flyway (VIRTUAL)
10:10-10.30	Lei Fang, Lei Cao et al.	Two distinct flyways with different population trends of Bewick's Swan <i>Cygnus columbianus bewickii</i> in East Asia (VIRTUAL)
10:30-11:00	BREAK. Coffee/Tea (with snacks)	

OUTCOME OF SITE MANAGEMENT/PROTECTION		MODERATOR – EILEEN REES
--	--	--------------------------------

11:20-11:40	Lisa Vergin & Jutta Leyrer	Habitat use of Bewick's Swans (<i>Cygnus columbianus bewickii</i>) during the non-breeding season in Germany (VIRTUAL)
11:40-12:00	Rascha Nuijten et al.	Ecological network analysis in Bewick's swans in northwest Europe, and considerations for Nature 2000 legislation (VIRTUAL)
12:00-12:20	Andrea SorianoRedondo, Stuart Bearhop et al.	Increased survival, but lower reproductive rates within protected areas promotes population growth in a long-lived migratory waterbird (VIRTUAL)

12:30-14:00	LUNCH (not included)	
-------------	-----------------------------	--

POPULATION RESTORATION		MODERATOR – SUSAN PATLA
-------------------------------	--	--------------------------------

14:00-14:20	David Hoffman	Status of Trumpeter Swan restoration and the promotion of wetlands in Iowa
14:20-14:40	Dave Olson	Examining locations in both the core and expansion areas of the U.S. Breeding Segment of the Rocky Mountain Population of Trumpeter Swans for improved conservation strategies.
14:40-15:00	Taylor Finger	Trumpeter Swans and Wisconsin: reintroduction and current research (VIRTUAL)
15:00-15:20	Kyle Spragens	Status of Trumpeter Swan <i>Cygnus buccinator</i> and Tundra Swan <i>C. columbianus</i> populations and conservation challenges in Washington State.
15:20-15:40	BREAK Tea/Coffee POSTERS RETRIEVED BY PRESENTERS	

Thursday 27 October		
Time	Authors	Title
15:40-16:00	Susan Patla	Phases of range expansion: Trumpeter Swans in the Green River Basin of Wyoming
16:00-16:20	Evan Shields	Retrospective analysis of a declining Trumpeter Swan <i>Cygnus buccinator</i> population in Yellowstone National Park
16:20-16:40	Mike Anderson	Conservation priorities for Trumpeter Swans and the TTSS
16:40-17:00	Various	CLOSING REMARKS
17:00	ROOM CLEARED TO PREPARE FOR BANQUET	
17:30	CASH BAR OPEN	
6:00-21:00	BANQUET (included in full registration) Includes viewing of <u>The Bird and the Tree</u> , a 25-minute film about the mutualistic relationship between Clark's Nutcrackers and whitebark pines in the Greater Yellowstone Ecosystem	