

Supplementary Material B: Ethogram for Saint Louis Bears

Category	Behavior	Definition
Investigation/foraging	Dig	Using paws or claws to disturb/displace substrate.
	Drink	While not Using Pool, bear has mouth or tongue in contact with water source.
	Eat	Paws and/or tongue and/or mouth in contact with food object or chewing food object; includes retrieving food from provisioned enrichment device.
	Object Interaction	Either carrying, rolling, scent rubbing, nibbling, chewing, shredding, exploring with mouth or sniff/licking a non-food object or other exhibit feature. Includes contact with viewing window.
Locomotion	Locomotion	Non-repetitive movement regardless of speed at ground level.
	Vertical locomotion	Non-repetitive movement or climbing regardless of speed on log ramps, perches or other elevated features at least one body length in height.
Rest	Resting	Stationary at ground level without performing any other behaviors; includes standing or lying down, eyes open or closed.
	Vertical resting	Stationary on elevated structures, log ramps and perches at least one body length in height without performing any other behaviors; includes standing or lying down, eyes open or closed.
Stereotypy	Pacing	Repetitive locomotor pattern, either fast or slow, along invariant path for at least 3 complete circuits; may include head-toss.
	Paw-Suck	Own paw is in contact with mouth or tongue without food item or enrichment object.
	Repetitive Swimming	Locomotor pattern in water or pool feature with either half or more body immersed and/or half or more paws not in contact with pool bottom or solid surface, either fast or slow, along invariant path for at least 3 complete circuits.

	Swaying	Repetitive stationary pattern with animal standing and body rocking back and forth at least 3 cycles.
Pool Use	Use Pool	Moving or stationary in water or pool feature with either half or more body immersed and/or half or more paws not in contact with pool bottom or solid surface.
Out of Sight	Out of Sight	Animal cannot be seen by observer, either due to its position in the habitat or because it is off display.