State of Climate Adaptation: RDCK Area J 2017

Results at a glance

Legend					
	Water Supply 🔅 Extreme Weather and Emergency Preparedness 崎 Agriculture	Flooding	Wildfire		
🕥 Upward trend 🔱 Downward trend 🗜 Stable/no trend 🗹 Present 🗵 Absent 🛇 Insufficient data					
	INDICATOR AND DESCRIPTION	PATHWAY	RESULTS		
	Climate averages: temperature – average monthly temperature	5 20 🙏			
	Climate averages: precipitation – average monthly precipitation				
	Climate extremes: temperature – annual frequency of hot days		<u>.</u>		
	Climate extremes: precipitation – annual amount of rain falling on very wet days		<u>₹</u>		
nges	Freeze-thaw cycle - total number of days annually where maximum temperature > 0 $^{\circ}$ C and minimum temperature < 0 $^{\circ}$ C during the same day		₹		
Climate Changes	Frequency of strong wind events – total number of days annually with sustained winds	<u>م</u>	0		
limat	of 70 km/h or more and/or gusts to 90 km/h or more Frequency of extreme heat days – total number of days each year where maximum	547	0		
0	daily temperature exceeds 30 °C	\$;;;	0		
	Frequency of extreme snowfall events – annual number of days with snowfall amounts of 15 cm or more within 24 hours	*	U		
	Maximum 1-day rainfall – annual maximum 1-day precipitation	<u>ک</u>	Ŧ		
	Number of days with high fire danger – annual number of days in high or extreme danger classes of Canadian Forest Fire Danger Rating System	હ	₹		
	Air quality – concentrations of fine particulate matter in the air	ર્સ્	\otimes		
	Area burned by wildfire – number of hectares burned on an annual basis	ર્સ	₹Ł		
	April 1st snow pack – depth of snowpack on April 1 each year		ŦŁ		
	Consecutive dry days – maximum number of consecutive dry days	5	Ŧ		
acts	Drought index – number of days per BC Drought Index Level	5	\otimes		
al Imp.	Growing degree days – amount of heat energy available for plant growth	5	0		
nenta	Ground water level – average monthly ground water level	٢	₹		
Environmental Impacts	Glacier extent – area of glaciated terrain		U		
	Invasive species – number of species present and extent of coverage	5	\otimes		
	Growing season length – annual number of days between the first and last occurrence of 5 consecutive days with a mean temperature of greater than 5°C	5	₹		
	Source water quality – monthly average turbidity and temperature	٢	\Diamond		
	Stream flow timing – date of half total flow, annual peak yield and late summer minimum yield		U		

INDICATOR AND DESCRIPTION		PATHWAY	RESULTS
Adaptation Actions & Capacity Building	Stream flow volume – discharge for annual maximum and late summer minimum	٢	Ł
	Wildfire starts – annual number of human- and lightning- caused wildfire starts	ર્સ્ટ	0
	Backup power sources – presence of backup power source for essential services	<u>بې</u>	
	Community food production – number of people in the community who grow at least a small portion of their own food	6	\otimes
	Emergency preparedness plan – presence of an emergency preparedness plan, including a community evacuation plan that has been updated within the last 5 years	<u>نې</u>	
	FireSmart-recognized community – recognition through FireSmart Canada's Community Recognition Program	જી	V
	Flood mapping extent and updates - currency and extent of flood mapping		M
	Hectares irrigated – number of hectares irrigated	5	\oslash
Actior	Interface fire risk reduction – area treated to reduce wildfire risk	ર્સ	\otimes
tation /	Policies to reduce water consumption – <i>degree of implementation of water consumption policies/practices</i>	٢	
Adap	Residents with 72-hour emergency preparedness kits – <i>proportion of residents with 72-hour emergency preparedness kits</i>	\$ <u>?</u> ;	\otimes
	Water loss detection practices – <i>degree of implementation of specified water loss</i> <i>detection practices</i>		×
	Water protection plans – consideration of projected climate changes in water planning documents		X
	Area farmed – annual number of hectares being farmed	6	0
	Agricultural productivity – ratio of agricultural outputs to inputs (in market value)	5	© ⊘
	Campfire bans – annual number of days under a campfire ban	শু	\otimes
nes	Cost of fire suppression – total amount of money spent on fire suppression annually	শ্	Ŧ
Outcor	Developed properties in floodplain – <i>number of developed properties in known and active floodplains</i>		\otimes
ptation	Drinking water quality – annual length of drinking water advisories or boil water notices	٢	₽Ţ
s & Ada	Highway closures – number (per year) and/or duration (hours) of highway closures due to wildfire, flooding or weather	🔹 🖏 🌜	₽Ţ
Ipacts	Frequency of interface fires – annual number of wildfires within 2 km	રુ	₽Ţ
Community Impacts & Adaptation Outcome	Implementation of water restrictions – number of days annually where water restrictions are active	٢	\otimes
Commi	Per capita water consumption – annual volume of total water supplied, expressed per capita	٢	\otimes
	Provincial emergency assistance payments – amount paid to local government for clean up related to landslides, avalanches, snow, wind or freezing rain	*;;;	\otimes
	Water loss – percentage of water supplied annually that is lost to leakage		\otimes
	Wildfire evacuation orders – number of evacuation orders due to the threat of wildfire	ବ	\otimes

