

Mitigation Measure Summary - Advanced Winter Warfare Course, 2008

DND EA Report – Mitigation Measure Summary

Advanced Winter Warfare Course

Cornwallis Island Area, Nunavut

March 2008

ACTIVITY	ENVIRONMENTAL EFFECT	MITIGATION MEASURE	COMPLETED	COMMENT
Vehicle movement	Atmosphere CO2 generation	Idling kept to a minimum	☐	
Vehicle movement	Surface water / Soils Risk of contamination in case of vehicle accident on route or spill during refuelling	Standard CF fuel spill kit carried in BV-206 and at the section-level. All existing spill Standard Operating Procedures employed as necessary. Fuel transfer during field training will be conducted by jerry can, over drip trays and/or appropriate absorbent material. Any contaminated snow will be collected in bags and redeployed with the candidates for proper disposal. Contact numbers for local first responders will be outlined in the training manual and in the Adm O.	☐ ☐ ☐ ☐	Spill reporting: Any spill of fuel or hazardous material, adjacent to or into a water body, <u>regardless of quantity</u> , must be reported immediately to the NWT/NU 24-hour Spill Line (867) 920-8130 (Section 36(3) Fisheries Act) Must ensure that any chemicals, fuel or wastes associated with the project do not enter waters frequented by fish

Mitigation Measure Summary - Advanced Winter Warfare Course, 2008

ACTIVITY	ENVIRONMENTAL EFFECT	MITIGATION MEASURE	COMPLETED	COMMENT
Vehicle movement	Terrain / Vegetation Where snow/ice cover is light, could disturb vegetation and/or the active layer, possibly resulting in thawing or slumping	Canadian Rangers will guide all movements of CF personnel throughout the exercise and will ensure areas of concern are avoided.	☐	
Vehicle movement	Terrestrial Animals Possible disruption of large mammal migration patterns	Canadian Rangers will guide all movements of CF personnel throughout the exercise and will ensure areas of concern are avoided.	☐	
Vehicle movement	Heritage/Historical Potential damage of archaeological or historic sites	Canadian Rangers will guide all movements of CF personnel throughout the exercise and will ensure areas of concern are avoided.	☐	Department of Culture, Language, Elders and Youth (CLEY) have provided a list of archaeological sites to avoid. See attached.
Wastewater collection	Surface water / Soils Risk of contamination in case of wastewater spill	Black water: collected in bags must be properly stored in order to prevent spillage. Any contaminated snow resulting from a spill will be collected in bags, redeployed and disposed of accordingly.	☐	

Mitigation Measure Summary - Advanced Winter Warfare Course, 2008

ACTIVITY	ENVIRONMENTAL EFFECT	MITIGATION MEASURE	COMPLETED	COMMENT
Domestic water use	Soils Risk of thermal pollution due to release of water warmed to heat dry food	Grey Water: water warmed for personal hygiene or to heat dry food will be cooled to as close to atmospheric temperature as possible, prior to its release onto the land.	☐	
Camp	Terrestrial Animals Possible disruption of large mammal migration patterns	Canadian Rangers will guide all movements of CF personnel throughout the exercise and will ensure areas of concern are avoided.	☐	
Camp	Vegetation Where snow/ice cover is light, treading and set-up of tents could disrupt surrounding vegetation	Canadian Rangers will guide all movements of CF personnel throughout the exercise and will ensure areas of concern are avoided.	☐	
Range	Soils Risk of lead contamination due to bullet fragmentation within the snow defences and lead migration during snow melt	Tarps will be laid and secured beneath the firing points and erected snow defences. Following the event, a sweep of the area will be conducted to gather any fallen bullets or bullet casings. Canadian Rangers patrolling the area in summer months will return to the site and collect the tarps and bullets that have fallen during the thaw. Any bullets or casings collected will be disposed of at an approved and licensed disposal facility.	☐	CFLAWC to coordinate with JTFN to organise the required Canadian Rangers patrols

Mitigation Measure Summary - Advanced Winter Warfare Course, 2008

ACTIVITY	ENVIRONMENTAL EFFECT	MITIGATION MEASURE	COMPLETED	COMMENT
Range	Ambient Noise Noise generated when firing weapons	The firing demonstration will be conducted during daylight hours as part of a community event. The firing demonstration will be halted if any wildlife enter the area and will not commence until the wildlife departs.	☐	
Residual / Cumulative Effects				
Camp	Terrain	Canadian Rangers patrolling the area in summer months will return to the base campsite and will evaluate and report on the state of the ground where the camp was located.	☐	CFLAWC to coordinate with JTFN to organise the required Canadian Rangers patrols
Overall Exercise	All	Course commander to prepare a situation report outlining the implementation of the above-mentioned mitigation measures and lessons learned.	☐	To be submitted to Director Land Environment

Mitigation Measures accepted and approved by

The undersigned accepts to implement the above-listed mitigation measures. Note that this document is a summary of the Formal EA Report, and does not supersede the determination and recommendations outlined within. The Course Commander agrees to keep on hand all permits and other related documentation throughout the subject exercise.

Captain Max K. Michaud-Shields, Course Commander, Advanced Winter Warfare Course 2008,
Canadian Forces Land Advanced Warfare Centre
February 12, 2008