EO C190.04 – COLLECT DRINKING WATER IN THE FIELD

1. **Performance**: Collect Drinking Water in the Field

2. **Conditions**:

   a. Given:

      (1) Plastic bags,

      (2) Plastic sheets,

      (3) Shovels,

      (4) Pegs,

      (5) Cup or bowl,

      (6) Supervision, and

      (7) Assistance as required.

   b. Denied: Nil.

   c. Environment: Aircrew survival exercise training area.

3. **Standard**: The cadets shall collect drinking water, to include:

   a. locating water; and

   b. using different methods for collecting rain, dew, water from other vegetation, water from soil, and ground water.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Describe the importance of water conservation and retaining fluids.	Interactive Lecture	15 min	C3-002 (pp. 22 to 24) C3-021 (pp. 68–77)
TP2	Explain, demonstrate and have the cadets collect drinking water, by: a. creating a rain collector; b. collecting dew; c. collecting water from vegetation; d. creating a solar still; and e. digging for ground water.	Demonstration and Performance	40 min	C3-002 (pp. 22 – 24) C3-003 (pp. 149–152) C3-021 (pp. 68 – 77)

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5. **Time**:

a.	Introduction / Conclusion:	5 min
b.	Interactive Lecture:	15 min
c.	Demonstration and Performance:	40 min
d.	Total:	60 min

6. **Substantiation**:

   a. An interactive lecture was chosen for TP 1 to orient the cadets to conserving water and generate an interest in the subject.

   b. A demonstration and performance was chosen for TP 2 as it allows the instructor to explain and demonstrate collecting drinking water and provides an opportunity for the cadets to practice the skill under supervision.

7. **References**:

   a. C3-002 ISBN 0-00-653140-7 Wiseman, J. (1999). *The SAS survival handbook*. Hammersmith, London: HarperCollins Publishers.

   b. C3-003 ISBN 1-896713-00-9 Tawrell, P. (1996). *Camping and wilderness survival: The ultimate outdoors book*. Green Valley, ON: Author.

   c. C3-021 ISBN 0-7715-9035-0 McManners, H. (1994). *The complete wilderness survival manual*. Toronto, ON: McMillan Canada.

8. **Training Aids**:

   a. Plastic bags,

   b. Plastic sheets,

   c. Shovels,

   d. Pegs, and

   e. Cup or bowl.

9. **Learning Aids**:

   a. Rocks,

   b. Cloth (for collecting dew),

   c. Plastic bags,

   d. Plastic sheets,

   e. Shovels,

   f. Pegs, and

   g. Cup or bowl.

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10. **Test Details**: Nil.

11. **Remarks**:

    a. The directives outlined in CATO 11-08 *Environmental Protection and Stewardship* are to be adhered to during this training.

    b. This lesson should be scheduled at the start of the first morning with the cadets setting up their water-collection devices. Follow up should take place the next day to indicate the cadets' water-collecting devices worked.

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