

Adventure Canada - Diving and Snorkeling

DETAILS

English: Summary of Activities and Rationale – Diving & Snorkeling For diving Adventure Canada wishes to carry out Scuba diving and snorkelling activities during the 2018 season in conjunction with the Sedna project. All divers will have advanced certification, and appropriate certifications for cold water diving such as dry suit certifications as per Adventure Canada's criteria. Safety of divers and sites are an utmost importance. The decision to dive will be based on the Dive Master, Expedition Leader and Captain each day depending on favourable wind, weather and ice conditions. They will assess to determine best dive location in area for safety. All dive/snorkel's will be logged and recorded by Dive Master. With a maxim of 16 divers in total. Additional equipment: Oxygen Tank for divers, 16 tanks with 10.94 liters each For all dive sites the following protocol will be followed;•Before the dive all divers/snorkelers will have a full safety and site briefing with Dive Master. •Another safety/dive briefing will also occur on Zodiac just before entering the water. •Prior to divers entering the water, an electronic or manual sounding will occur to determine depths. •Oxygen and First Aid kit will be readily available. •A recall device will be in each Zodiac at all times, along with a throw line. •Diver Delay Surface Marker Buoy's will be used per buddy team. •There will be a bear monitor (with firearm) at each dive site to keep watch for potential polar bear threat. •There will be no more than 8 divers/snorkelers in the water per Dive Master. •Two Dive Masters will be running the operation to ensure safe and professional diving/snorkeling. •All divers will dive in buddies. •Warm water in coolers will be kept in Zodiac Possible CWS Dive & Snorkel Spots Prince Leopold Island, 74°04'30N 89°58W Proposed dates: Tuesday, August 7, 2018, Bylot Island - Cape Hay 73°46'2.14N 80°17'33.68W Proposed dates: Thursday August 9, 2018 Diving/snorkeling at the site will be based on the decision of the Expedition Leader, Captain and Dive Master. The site will be based on good visibility and safety within the location. All rules and regulations as per CWS guidelines and recommendations will be followed. The integrity and safety of the CWS site will be of utmost importance. The depth of the dive will not exceed 60 feet at this site to ensure safety. There will be no more than 8 divers/snorkelers in the water per Dive Master. With a maximum of 16 divers. Each diver will have a single tank, with dry suite and will be in the water no-more than 45 minutes. Dive flags will be used at site of dive to ensure safety and the dive site will not be close to any other boat traffic area with passengers visiting the site. ROV may be used for filming purposes. Potential environmental impacts and mitigation measures. There is the potential of disturbance or stress on the wildlife. We have strict criteria and mitigation in place to ensure all divers have experience to minimize the potential harm to the underwater world. This would include items such as proper awareness of buoyancy. In addition, all diving will be from a Zodiac and there will be no shoreline disturbance. Measures to avoid dangerous wildlife encounters For diving, there will be a bear monitor (with firearm) at each dive site to keep watch for potential polar bear threat. There will be no more than 8 divers/snorkelers in the water per Dive Master. A recall device will be in each Zodiac at all times, along with a throw line.

[illegible]

Operations Phase: from 2018-08-06 to 2018-08-17

Activities

Activities

| Location | Activity Type | Land Status | Site history | Site archaeological or paleontological value | Proximity to the nearest communities and any protected areas |
|---|--------------------|-------------|---|---|--|
| Cape Hay - Proposed Dive Site 73°46'34.11N 80°37'28.91W | Tourism Activities | Marine | We have brought people to this site for many years. We generally offer a Zodiac Cruise via Zodiac with 10 people in each Zodiac. An average of 18 - 20 Zodiacs in the water at one time. In addition to our normal activities mentioned above, we would like to offer diving / snorkelling. | N/A | Pond Inlet |
| Tay Bay - Proposed Dive Site 73°29'36.21N 80°45'19.94W | Tourism Activities | Marine | We have brought people to this site for many years. We generally offer a Zodiac Cruise via Zodiac with 10 people in each Zodiac. An average of 18 - 20 Zodiacs in the water at one time. We are also working with Parks Canada to land at Tay Bay. In addition to our normal activities mentioned above, we would like to offer diving / snorkelling. | There are some Archaeological sites that Parks Canada is aware of and will manage on land. As the diving will not enter from the shore side this is not applicable. | Pond Inlet |
| Prince Leopold Island - proposed dive site | Tourism Activities | Marine | We have brought people to this site for many years. We offer a Zodiac cruise or ship cruise. Zodiacs cruise will carry 10 people with an average of 18-20 Zodiacs in the water at one time. We will also follow all regulations set forth by CWS, Enviro. Canada, NIRB and recommendations from communities. | N/A we are not landing. Unaware of underwater archaeology at this site. | Resolute Bay |

Community Involvement & Regional Benefits

| Community | Name | Organization | Date Contacted |
|--------------|-----------------------|---------------------------------------|----------------|
| Pond Inlet | Samual | Pond Inlet - cedo@pondinlet.ca | 2018-05-01 |
| Resolute Bay | Philip Mannik or Mike | Resolute Bay - hamletsao@xplornet.com | 2018-05-01 |

Authorizations

Indicate the areas in which the project is located

Authorizations

| Regulatory Authority | Authorization | Current Status | Date Issued / Applied | Expiry Date |
|----------------------|---------------|----------------|-----------------------|-------------|
|----------------------|---------------|----------------|-----------------------|-------------|

| | Description | | | |
|---------------------------|---|---------------------------|--|--|
| Canadian Wildlife Service | application has been submitted | Applied, Decision Pending | | |
| Parks Canada | We have a partnership with Parks Canada to visit sites. | Active | | |

Project transportation types

| Transportation Type | Quantity | Proposed Use | Length of Use |
|---------------------|----------|--------------|---------------|
| Water | 0 | Zodiacs | |

Project accomodation types

Other,

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

| Equipment Type | Quantity | Size - Dimensions | Proposed Use |
|----------------|----------|-------------------|---|
| Zodiacs | 3 | 14 feet | Transport Passengers to and from vessel |
| Diving tank | 16 | 77 cubic feet | Providing oxygen |

Detail Fuel and Hazardous Material Use

| Detail fuel material use: | Fuel Type | Number of containers | Container Capacity | Total Amount | Units | Proposed Use |
|---------------------------|-----------|----------------------|--------------------|--------------|---------|-----------------|
| Gasoline | fuel | 5 | 18 | 90 | Gallons | Fuel for Zodiac |

Water Consumption

| Daily amount (m3) | Proposed water retrieval methods | Proposed water retrieval location |
|-------------------|--|-----------------------------------|
| 0 | N.A as this has been reordered in Adventure Canada's ship operations NIRB Project Application Form 125241, 06AN041 | |

Waste

Waste Management

| Project Activity | Type of Waste | Projected Amount Generated | Method of Disposal | Additional treatment procedures |
|------------------------------|---------------|----------------------------|--------------------|---------------------------------|
| Information is not available | | | | |

Environmental Impacts:

All steps will be taken to cause no environmental damage towards land, water, flora and fauna. Adventure Canada will follow guidelines of AECO (Association of Arctic Expedition Cruise Operators). For more details on these guidelines please visit <http://www.aeco.no/guidelines/> . In addition, Adventure Canada will consult with it's team of Marine Biologists, Botanist, Birers, Inuit Guides and other knowledgeable staff when finalizing their Zodiac activities in order to preserve and protect the areas we visit.

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

Description of Existing Environment: Physical Environment

Description of Existing Environment: Biological Environment

Additional information was provided in NIRB Project Application Form 125241, 06AN041 - Exempt from Screening

Description of Existing Environment: Socio-economic Environment

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Cumulative Effects

Impacts

Identification of Environmental Impacts

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