

GEOGRAPHICAL RESPONSE PLAN

KEYSTONE PIPELINE SYSTEM

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CONSORT (AB) AREA

RESPONSE SUMMARY

This Geographic Emergency Response Plan (GRP) is a component of the Keystone Emergency Response Plan (ERP). Information herein does not supersede any component of the ERP.

The purpose of this plan is to facilitate expedited and efficient emergency response operations to protect people and the environment near Sounding Creek, Monitor Creek and Ribstone Creek. This plan should be referenced as a guide only during emergency response. All actions should be modified to meet the demands of a specific incident. This plan does not direct actions, but merely serves as a resource to responders.

All responders using this plan should ensure the TransCanada First Responder Checklist is completed before implementing this plan.

Recommendations in this GRP may be applied to releases from TransCanada's Keystone Pipeline in the Lakesend and Monitor Section from to Lakesend, specifically between Lakesend Pump Station and LKSND+05_8 for Ribstone Creek; LKSND+51_4 and Monitor Pump Station for Monitor Creek and between MNTOR+35_6 and MNTOR+45_4 for Sounding Creek.

The surrounding area is part of the Eastern Alberta Plains Region consisting of major elevation extremes primarily from river valleys. The landscape is an undulating plain with low relief with small areas of hummocky moraine. The majority of these creeks and tributaries in the surrounding area lie within the North Saskatchewan Drainage Basin. The municipalities within this GRP are Special Area No.3 Oyen, Special Area No.4 Consort, County of Paintearth No 18 and Provost No52.

Culturally and environmentally sensitive receptors need to be protected and preserved in the unlikely event of a release. These receptors have been identified through publicly available data from both federal and provincial agencies within a 1km buffer of each source and tactical control points. The Sounding Creek, Monitor Creek and Ribstone Creek Tactical Plans includes a list of all environmental and cultural receptors for each control point. The identified receptors include water intakes, aquifers, water wells, historic sites, environmentally sensitive areas, aboriginal reserves, soil type, drainage pathway and species of concern.

Below is a table showing all species of concern for both federal and provincial status. Each species are ranked as endangered, extirpated, threatened, of special concern or not listed. The definitions of these classifications are as follows:

Endangered: A wildlife species facing imminent extirpation or extinction

Extirpated: A wildlife species that no longer exists in the wild in Canada, but exists elsewhere

Threatened: A wildlife species that is likely to become endangered if nothing is done to reverse the factors leading to its extirpation or extinction

Special concern: A species is of special concern because of characteristics that make it particularly sensitive to human activities or natural events.

Not listed: A species for which there is insufficient scientific information to support status designation.

Wildlife Species	SARA Status	Provincial Status (AB)	Ecoregion
Mammals			
Little Mountain Myotis	no status		Mixed Grassland
Western Small Footed Bat		special concern	Mixed Grassland
American Badger		data deficient	Mixed Grassland
Birds			
Baird's Sparrow	no status		Mixed Grassland
Burrowing Owl	endangered	endangered	Mixed Grassland
Barred Owl			
Piping Plover	endangered	endangered	Mixed Grassland
Ferruginous Hawk	threatened	endangered	Mixed Grassland
Greater Prairie Chicken	extirpated		Mixed Grassland
Common Nighthawk	threatened	not listed	Mixed Grassland
Yellow Rail	special concern	not listed	Mixed Grassland
Loggerhead Shrike	threatened	special concern	Mixed Grassland
Short-eared Owl	special concern	not listed	Mixed Grassland
Sprague's Pipit	threatened	special concern	Mixed Grassland
Bobolink	no status		Mixed Grassland
Horned Grebe	no status		Mixed Grassland
Western Grebe	special concern	special concern	Mixed Grassland
Rusty Blackbird	special concern	not listed	Mixed Grassland
Barn Swallow	no status		Mixed Grassland
Olive Sided Flycatcher	threatened	not listed	Mixed Grassland
Peregrine Falcon	threatened	threatened	Mixed Grassland
Prairie Falcon		special concern	Mixed Grassland
Amphibians			
Northern Leopard Frog	special concern	threatened	Mixed Grassland
Canadian Toad	no status	data deficient	Mixed Grassland
Arthropods			
Monarch Butterfly	special concern	not listed	Mixed Grassland
Vascular Plants			
Smooth Goosefoot	threatened	not listed	Mixed Grassland

**Disclaimer: if a species is not listed in on either provincial status or on SARA, it is listed on COSEWIC as a species at risk*

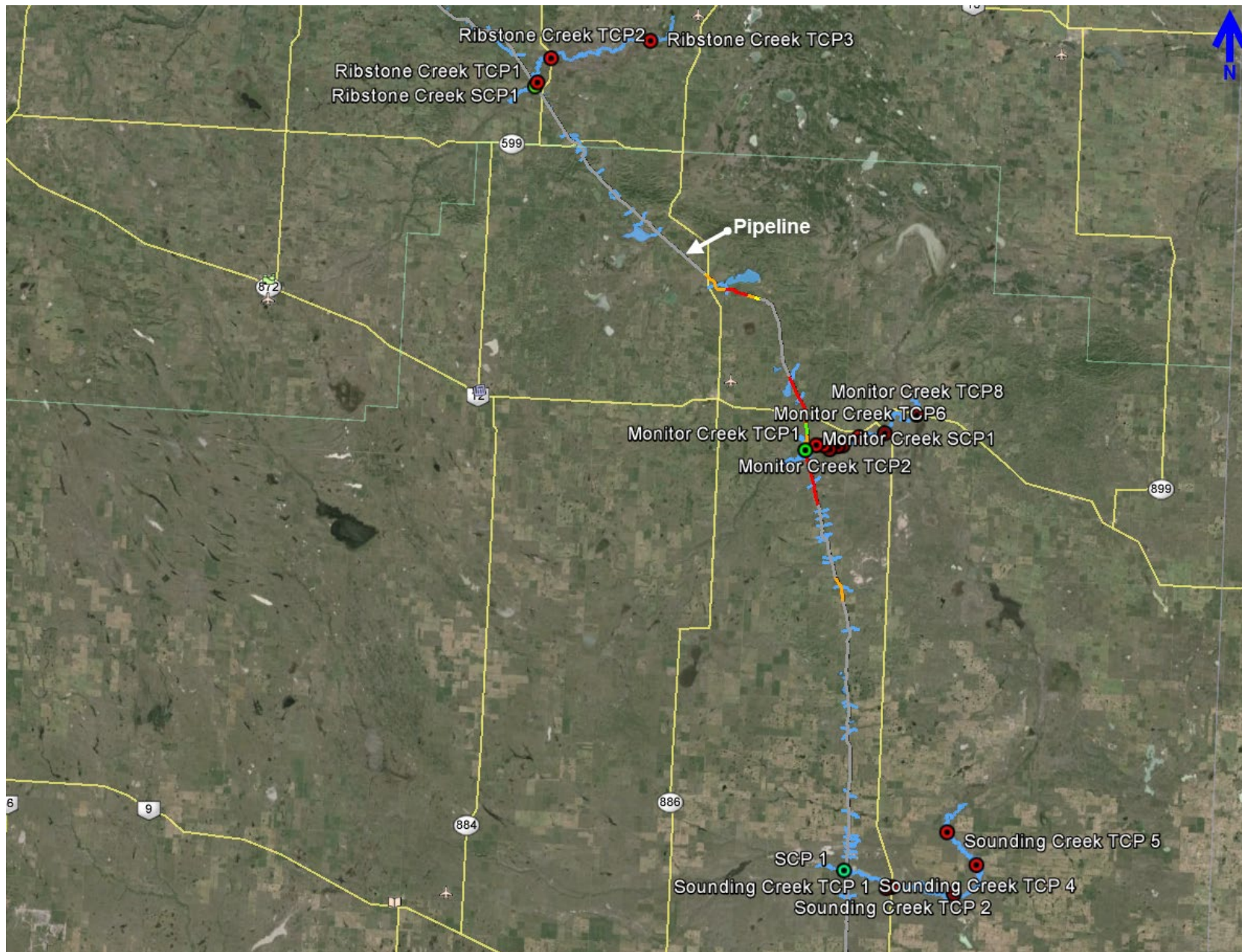
A TransCanada Environmental Specialist will be responsible for managing environmental matters associated with incident response operations, including: environmental assessment; permitting; environmental monitoring and damage assessment; and sensitive habitat and wildlife protection and rehabilitation.

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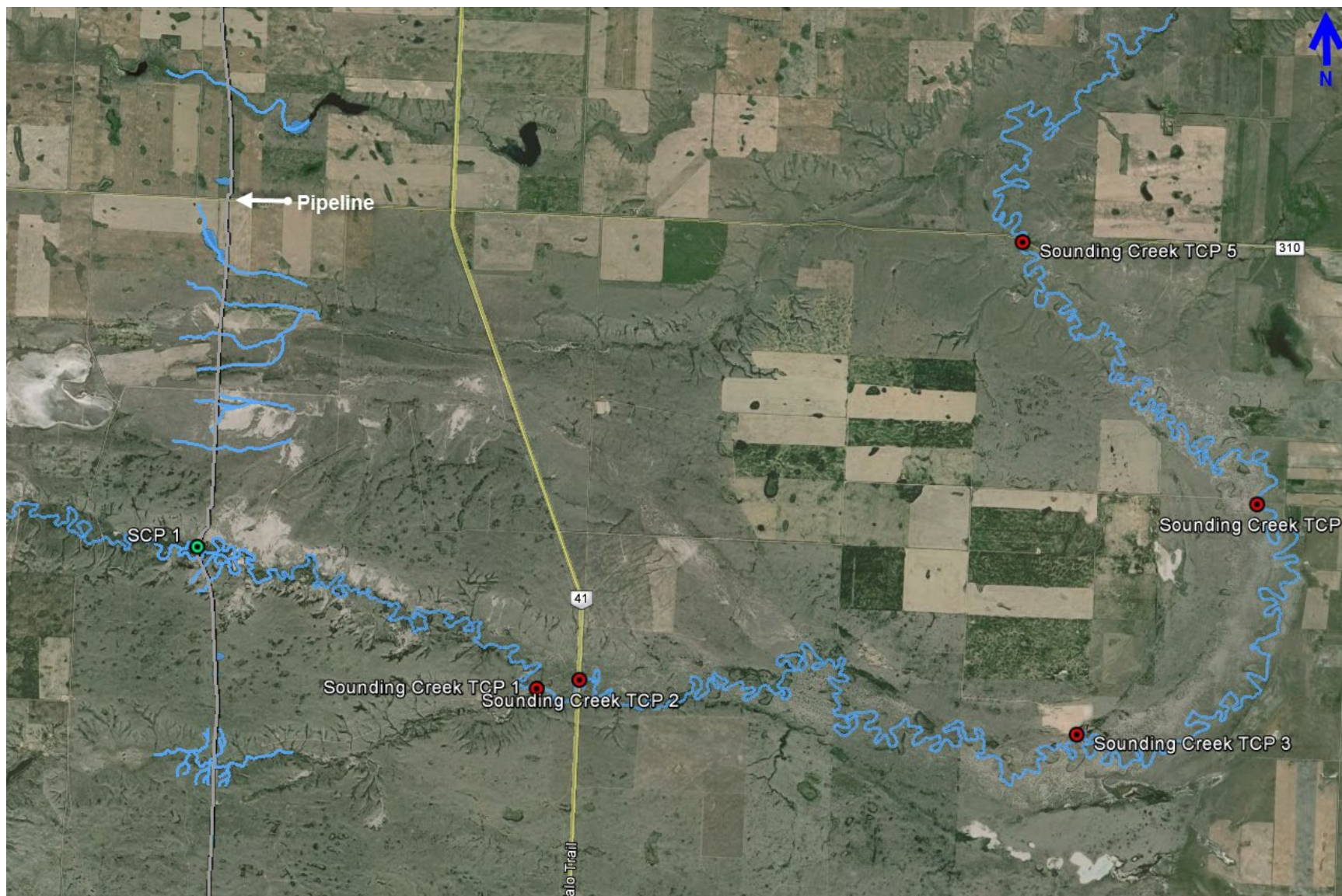
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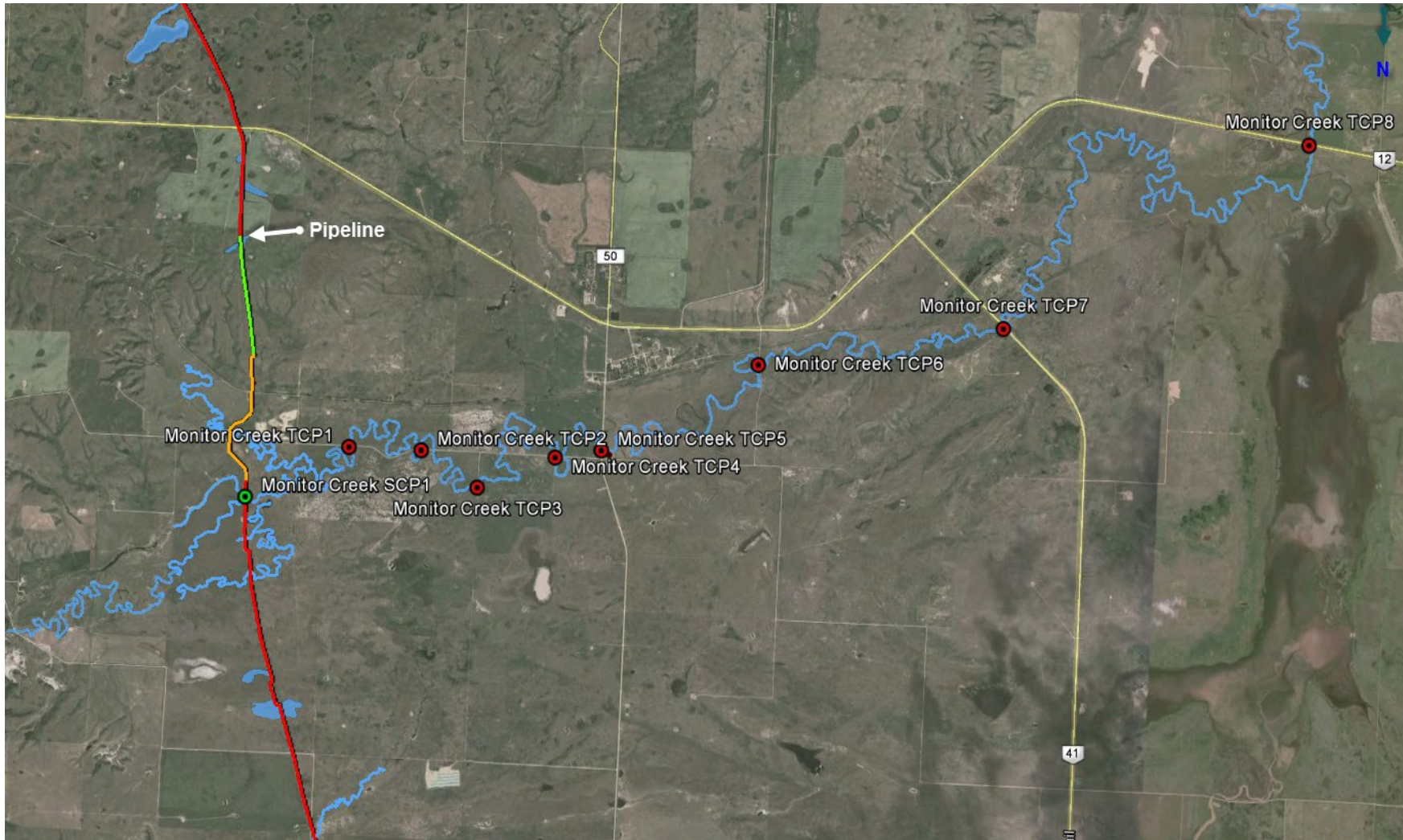
MAPS



Map 1:
Overview
Map of
entire
Consort
GRP
Area

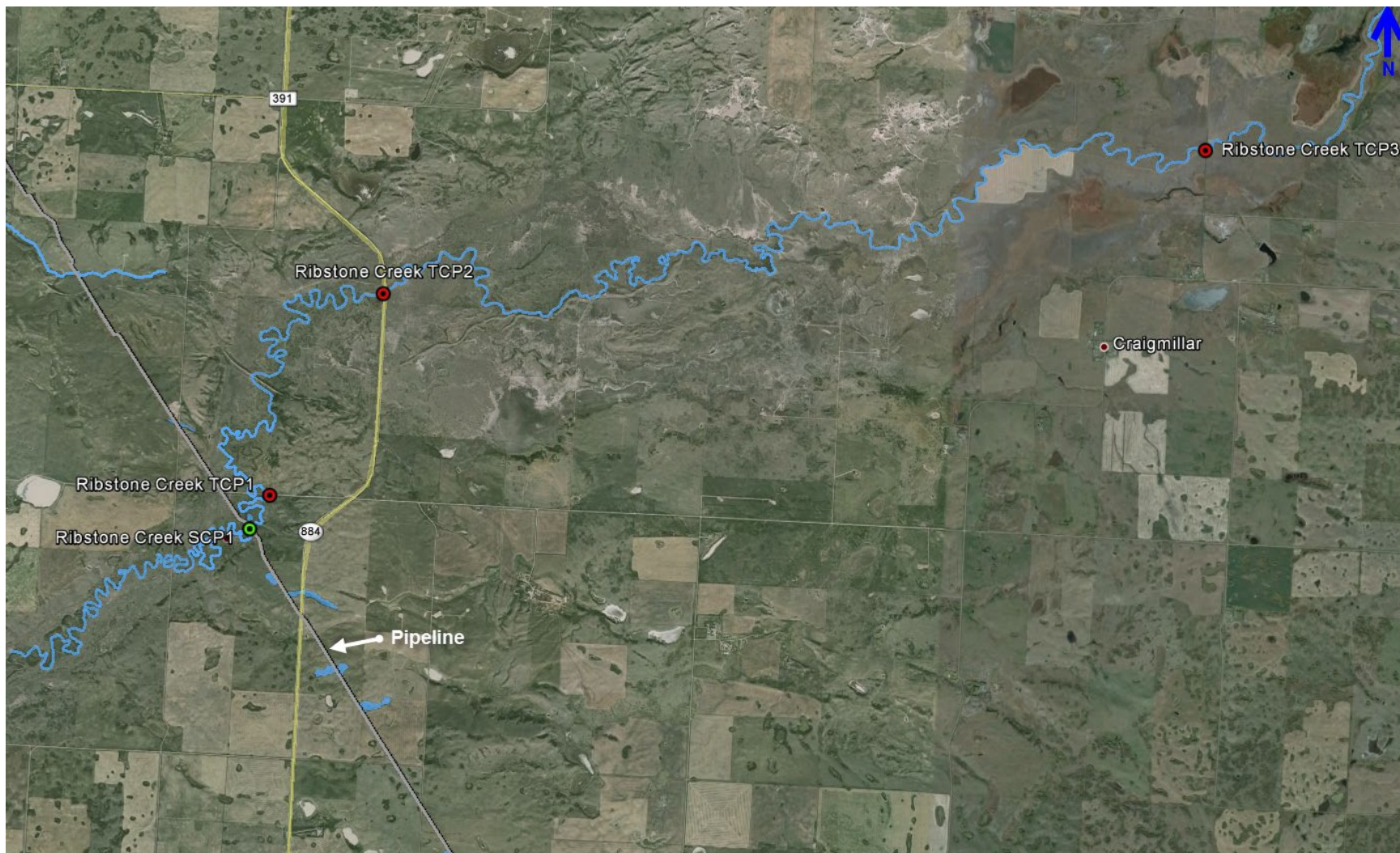


Map 2:
Overview
Map of
Sounding
Creek
Control
Points

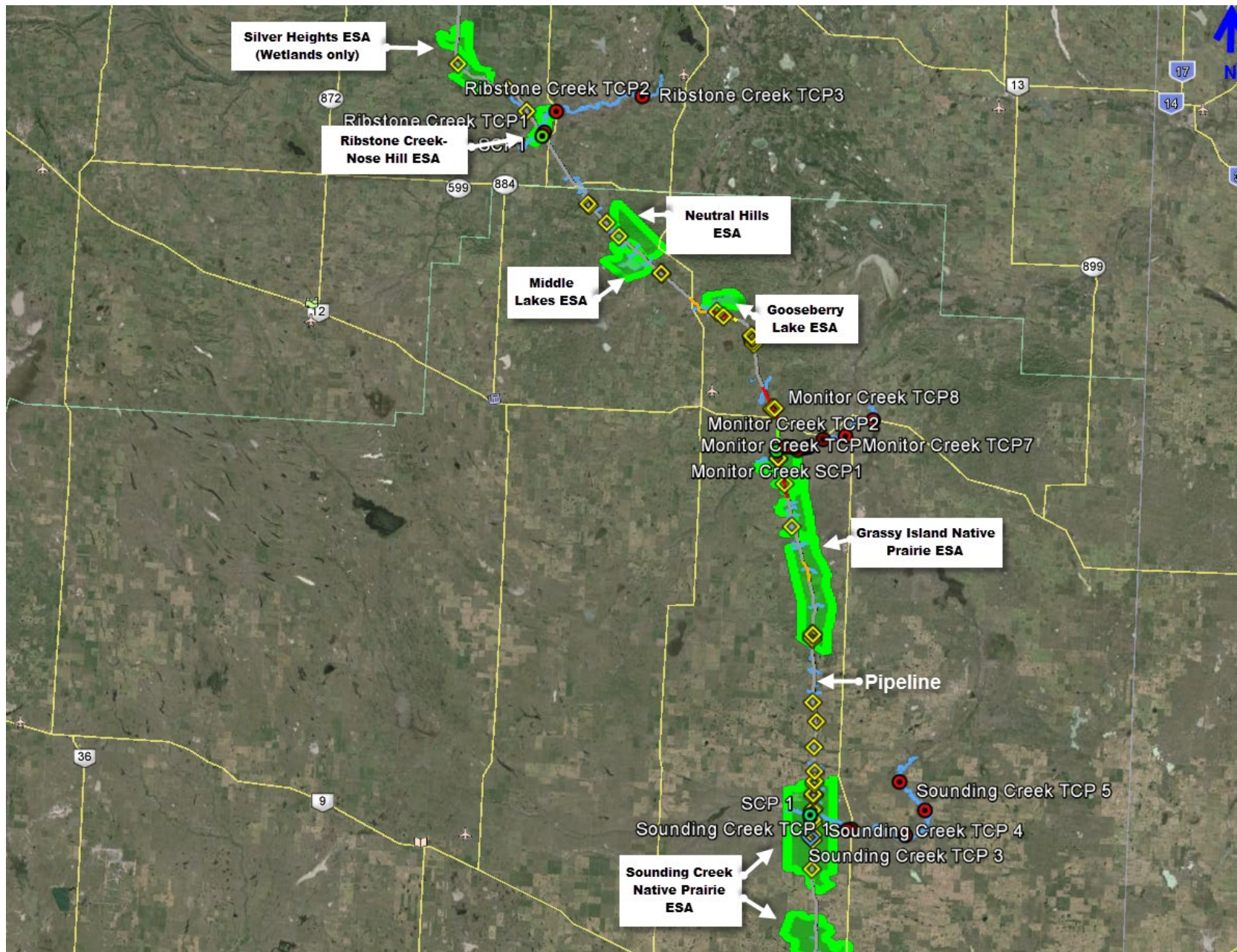


Map 3:

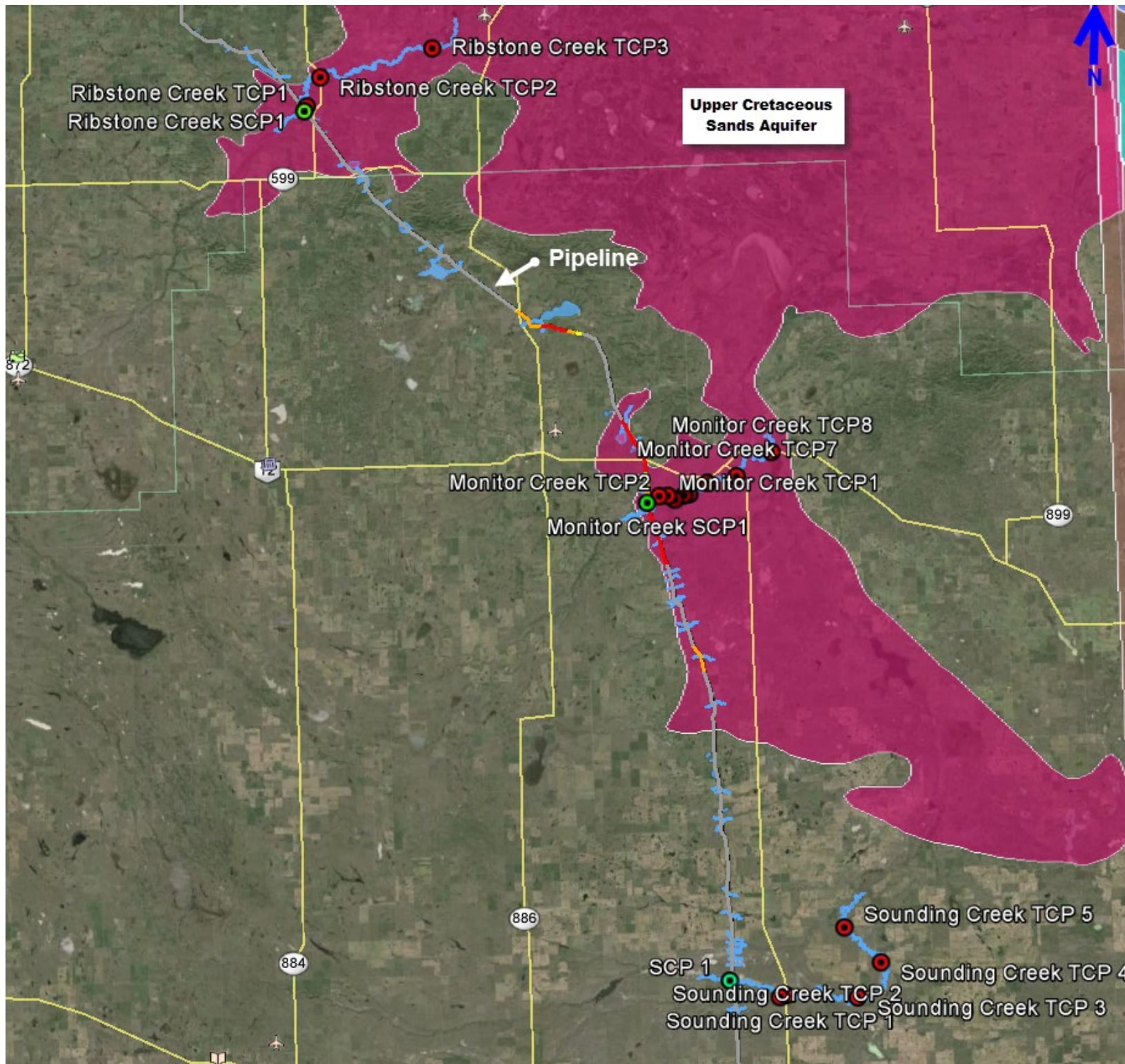
Overview
Map of
Monitor
Creek
Control
Points



Map 4:
Overview
Map of
Ribstone
Creek
Control
Points



Map 5: identifies protected areas within the GRP



Map 6: displays sand and gravel aquifers within the GRP

MEDICAL PLAN (ICS FORM 206)

Transportation

Name	Location	Contact #	Paramedics On-Site (Y/N)
Lac La Biche Regional Ems	201 1A St W, Oyen, AB T0J 2J0	(403) 664-3084	Y
East Central Ambulance Association County of Paintearth No. 18	#1 Crowfoot Crossing Castor, AB T0C 0X0 Hwy 12 & Hwy 36	(403) 882-3211	Y
Hughenden Fire & Rescue/ambulance	Location: #1 Simpson Avenue, Hughenden, AB, T0B 2E0	(780) 856-2022/ 911	Y
Wainwright Ambulance	Station Location: 712-1 Avenue, Wainwright, AB T9W 1C4	Emergency: 911 Business Phone: (780) 842-6916	Y
Special Areas fire Chief/emergency operations	Youngstown Service Center	Glen Durand – (403) 779-3733 – (403) 854-0625 (c)	N
Provost Fire Department	3911-53rd Ave in Provost Alberta.	911	N
Oyen Fire Hall	601 Main St, Oyen, AB T0J 2J0	(403) 664-3637	N
Consort Fire Department	49a Ave, Consort, AB T0C 1B0	911	N
Veteran Fire Department	310 Waterloo St, Veteran, AB	See special areas	N
Youngstown Fire Dept	102 2 Ave SE, Youngstown, AB T0J 3P0	See special areas	N
Alberta Health Emergency Health Services	P.O. Box 1360, Station Main Edmonton, AB T5J 2N3	(780) 422-9654	Y
Coronation fire department	4425 Victoria Ave, Coronation, AB	911	N

Hospitals

Hospital Name	Address	Contact #	Travel Time		Burn Center	Heli-Pad
			Air	Ground		
Big Country Hospital	312 3 St E, Oyen, AB T0J 2J0	(403) 664-4300		From Consort 2h Ground	N	Y
Consort Hospital and Care Centre	5402 52 Ave, Consort, AB T0C 1B0	(403) 577-3555		From Consort 5 Mins Ground	N	Y
Provost & District Medical Center:	4904 54 Ave, Provost, AB T0B 3S0	(780) 753-2271		From Consort 1 Hour Ground	N	Y

Wainwright Health Centre	530 6 Avenue, Wainwright, AB T9W 1R6	(780) 842-3324	From Consort 1h Ground	N	Y
Special Medical Emergency Procedures					

RESOURCE REQUIREMENT MATRIX

	Calculation	Substantive Spills Avg. Probable Redacted 2d	Large Spills Max. Most Probable Redacted 2d	Worst Case Discharge Redacted 2d
Skimmer (TDS 118)	=Volume of oil released/2,400 bbls x 2 to compensate for less 100% efficiency 1 skimmer = 2,400 bbls/day	1	4	34
Powerplant (Generator)	=1 per skimmer	1	4	34
Pump	=1 per skimmer	1	4	34
Boom (ft)	=1000 feet per recovery site	1000	4000	34,000
Vac Truck	=Volume of oil released/Vac Truck capacity/4 trips per day Vac Truck Capacity= 70bbls	2	15	142
Storage (Frac Tank)	=Volume of oil released/Frac Tank capacity x 2 Frac Tanks = 500 bbls	2	16	159

this GRP is located in Response Zone 2 of the Keystone ERP. The WCD was determined by the Pipeline and Hazardous Materials Safety Administration Discharge Volume Association. Within the specific area of this GRP the WCD is **Redacted 2d*

POTENTIAL INCIDENT COMMAND POST FACILITIES

Name/Address	Phone Number	Distance From – Center (km)	Conference Room Size	Food Service On Site (Y/N)	Internet Access (Y/N)	Notes
CanAlta Hotel	(403) 664-3010		50 people	N	Y	
Oyen Memorial Arena 105 5th Ave. E Oyen, AB T0J2J0	(403) 664-3623			N	N	
Oyen Public School 107 4 Ave E, Oyen, AB T0J 2J0	(403) 664-3733			N	Y	
Youngstown Community Club 105 3 Ave W Youngstown, AB T0J 3P0, Canada	(403) 779-3732			N	N	
Youngstown Community Hall 209 Main St Youngstown, AB T0J 3P0, Canada	(403) 779-3854			N	N	
Coronation Arena 13500 112 Ave. Edmonton, AB T5M2V3	(780) 944-7441			N	N	
Monitor Community Club	(403) 577-2096			N	N	
Coronation Community Centre	(403) 578-3679		325 people	N	N	
Coronation Recreation Centre	(403) 575-5643		100 people	N	N	
Coronation drop in centre	(403) 578-2180		100 people	N	N	
Veteran Hall Box 439 403 Coronation Ave.	(403) 575-3922 (403) 575-3954			N	N	

POTENTIAL STAGING AREAS

**** TO BE DETERMINED BY TACTICAL CONTROL POINT FORMS**

Name/Address Lat/Long	Landowner	Phone number	Size / Area	Description (Paved Gravel, Field, etc.)
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LOCAL LODGING

Name/Address Lat/Long	Phone Number	Distance From – Center (Miles/Kilometers)	Units (Total)	Food Service On-Site (Y/N)	Internet Access (Y/N)	Notes
Canalta Oyen Highway 9 & Highway 41, Oyen, AB T0J 2J0	(403) 664-3010			N	Y	
Prairie Moon 5006 43rd St, 1B0, Consort, AB T0C	(844) 277-2770			Y	Y	Built in 2015 with Subway Restaurant
Antelope Inn Motel 316 1 Ave E, Oyen, AB T0J 2J0	(403) 664-3886			N	N	
Consort Hotel 4931 50 St, Consort, AB T0C 1B0	(403) 577-3789			Y	N	
Sunrise Motel 4620 48a Ave, Consort, AB T0C 1B0	(403) 577-3847			N	N	
Coronation Motel AB-872, Coronation, AB T0C 1C0	(403) 578-3700			N	N	
Noah Hotels Ltd. o/a Frontier AB-12, Coronation, AB T0C 1C0	(403) 578-3000			N	Y	
R & R Inn 4744 49 St, Hardisty, AB	(780) 888-0004			N	Y	
Ramada Wainwright 1510 27 St, Wainwright, AB T9W 0A4	(780) 842-5010			N	Y	
BEST WESTERN Wainwright Inn & Suites 1209 27 St, Wainwright, AB T9W 0A2	(780) 845-9934			N	Y	

LOCAL CATERING SERVICES

Name/Address Lat/Long	Phone Number	Distance From – Center (Miles/Kilometers)	Delivery (Y/N)	Notes
The Barn Pub & Grill AB-9, Oyen, AB T0J 2J0	(403) 664-3600		N	
Tumbleweed, 105 1 Ave E, Oyen, AB T0J 2J0	(403) 664-2466		N	
Lucky Dragon 318 Main St, Oyen, AB T0J 2J0	(403) 664-2855		N	
Subway 402 Main St, Oyen, AB T0J 2J0	(403) 664-1302		N	
Aa Catering Veteran	(403)575-3796		Y	
The Locus Crocus Box 590 Veteran, AB T0C 2S0	(403) 575-3872		Y	
Rite Spot Pizza & Steak House 4924 50 St, Consort, AB T0C 1B0	(403) 577-2727		N	
Consort Restaurant 4931 50 St, Consort, AB T0C 1B0	(403) 577-2089		N	
Subway Po Box 38 Consort, Alberta, T0C 1B0	(780) 753-6022		N	
Castle Pizza & Steak 4905 Royal St, Coronation, AB T0C 1C0	(403) 578-2900		N	
Tasty Mill Restaurant & Lounge 5021 Victoria Ave, Coronation, AB T0C 1C0	(403) 578-3500		Y	
Wild Rose Restaurant 4907 Royal St, Coronation, AB T0C 1C0	(403) 578-2575		N	
Dafood Catering Box 333 Coronation T0C 1C0 AB	(403) 578-2100		Y	
Fireside Restaurant 4908 45 St, Czar, AB T0B 0Z0	(780) 857-2282		N	

LOCAL RESPONSE CONTRACTORS

Name/Address Lat/Long	Phone Number	Distance From- Center (Miles/Kilometers)	Notes
Quantum Murray Emergency Response	(877) 378-7745		
WCSS Alberta Oil Co-op Area U	1-866-541-8888		
Tervita Corporation	1-800-32-SPILL (77455)		24hr North American Emergency Response Line
Stantec Consulting			Environmental Sampling and consulting For Manitoba/Sask area contact Redacted 1b For work in Alberta contact Redacted 1b
Tetra Tech Consulting			Environmental Sampling and consulting Please contact Redacted 1b
Focus Wildlife	1-310-386-5965		
NewAlta	1-800-774-8466		24hr Emergency Response Line

LOCAL CONTACTS

Name	Location	Phone Numbers
Special Areas 3 District Office	319 Main Street Box 30 Oyen, AB T0J 2J0	(403) 664-3618
Special Areas 4 District Office	4916 – 50th Street Box 220 Consort, AB T0C 1B0	(403) 577-3523
Special Areas fire Chief/emergency operations		Redacted 1b
Municipal District of Provost	4504 - 53 Ave Box 300 Provost, AB T0B 3S0	(780) 753-2168/ after daytime hours (780) 753-0726 (780) 753-0176
Provost Fire Department	3911-53rd Ave in Provost Alberta.	911
County of Paintearth	Box 509, Castor AB T0C 0X0, #1 Crowfoot Crossing, TR 374 & HWY 12	(403) 882-3211
Paintearth RCMP Police Department	4909 Royal St, Coronation, AB T0C 1C0	(403) 578-3666
Provost RCMP police Department	Box 449 4904 - 51 Avenue Provost, Alberta, T0B 3S0 Canada	(780) 753 2261
Oyen RCMP	317 1st Avenue E Oyen Alberta, T0J 2J0	(403) 664-3505
Consort RCMP	4612 50th Avenue Consort Alberta, T0C 1B0	(403) 577-3000
Coronation RCMP	4909 Royal Street Coronation Alberta, T0C 1C0	(403) 578-3666
Oyen Fire Hall	601 Main St, Oyen, AB T0J 2J0	(403) 664-3637
Consort Fire Department	49a Ave, Consort, AB T0C 1B0	911
Village of consort	4901 50 Ave PO Box 490 Consort, AB T0C 1B0	(403) 577-3623
Town of Oyen	201 Main St, Oyen, AB T0J 2J0	(403) 664-3511
Village of Youngstown	218 Main Street Youngstown, Alberta T0J 3P0	(403) 779-3873

Veteran Fire Department	310 Waterloo St, Veteran, AB	See special areas
Youngstown Fire Dept	102 2 Ave SE, Youngstown, AB T0J 3P0	See special areas
Village of Veteran	Box 439 Veteran, AB. T0C 2S0	(403) 575-3954
Town of Coronation	P.O. Box 219 5015 Victoria Ave Coronation, Alberta T0C 1C0	(403) 578-3020
Coronation fire department	4425 Victoria Ave, Coronation, AB	911
Village of Hughenden	33 McKenzie Avenue P.O. Box 26 Hughenden, Alberta T0B 2E0	(780) 856-3830
Hughenden Fire & Rescue/ambulance	Location: #1 Simpson Avenue, Hughenden, AB, T0B 2E0	(780) 856-2022/ 911

CONTROL POINTS ASSOCIATED WITH THIS PLAN

This Geographic Response Plan includes several Control Points which may be referenced for recommendation or considerations when containing or recovering released oil in the Consort, AB area. When this plan is viewed in electronic format with access to the TransCanada intranet, the links below can be clicked to access each Control Point. When this plan is printed and viewed in paper format, the Control Points should also be printed and attached to the Plan.

SOUNDING CREEK

- [SOUNDING CREEK SCP 1](#)
- [SOUNDING CREEK TCP 1](#)
- [SOUNDING CREEK TCP 2](#)
- [SOUNDING CREEK TCP 3](#)
- [SOUNDING CREEK TCP 4](#)
- [SOUNDING CREEK TCP 5](#)

MONITOR CREEK

- [MONITOR CREEK SCP 1](#)
- [MONITOR CREEK TCP 1](#)
- [MONITOR CREEK TCP 2](#)
- [MONITOR CREEK TCP 3](#)
- [MONITOR CREEK TCP 4](#)
- [MONITOR CREEK TCP 5](#)
- [MONITOR CREEK TCP 6](#)
- [MONITOR CREEK TCP 7](#)
- [MONITOR CREEK TCP 8](#)
- [MONITOR CREEK TCP 9](#)

RIBSTONE CREEK

- [RIBSTONE CREEK SCP 1](#)
- [RIBSTONE CREEK TCP 1](#)
- [RIBSTONE CREEK TCP 2](#)
- [RIBSTONE CREEK TCP 3](#)