

GEOGRAPHICAL RESPONSE PLAN

KEYSTONE PIPELINE SYSTEM

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REGINA (SK) 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 the environment surrounding the Regina Area.

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 Belle Plain Section from BELPL+33_1 to the Regina Pump Station. This GRP is within the municipalities of Sherwood and Edenwold.

The area of the pipeline near Regina is categorized as the Great Plains Province of the Interior Plains of North America with gently undulating lacustrine plain sloping towards the center. This area has little external drainage through Wascana and Moose Jaw Creeks. The soil is a mixture of sand silts and clay.

Culturally and environmentally sensitive receptors need to be protected and preserved in the unlikely event of a release. These receptors have been identified through publically available data from both federal and provincial agencies within a 1km buffer of each source and tactical control points. The Regina Syphon/Wascana Creek Tactical Plans include a list of all environmental and cultural receptors for each control point. The identified receptors include 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	Ecoregion
Mammals			
Little Mountain Myotis	no status	not listed	Moist Mixed Grassland

Birds			
Baird's Sparrow	no status	not listed	Moist Mixed Grassland
Burrowing Owl	endangered	endangered	Moist Mixed Grassland
Chestnut Collared Longspur	threatened	not listed	Moist Mixed Grassland
Piping Plover	endangered	endangered	Moist Mixed Grassland
Ferruginous Hawk	threatened	not listed	Moist Mixed Grassland
Greater Prairie Chicken	extirpated	extirpated	Moist Mixed Grassland
Common Nighthawk	threatened	not listed	Moist Mixed Grassland
Yellow Rail	special concern	not listed	Moist Mixed Grassland
Loggerhead Shrike	threatened	not listed	Moist Mixed Grassland
Red-headed Woodpecker	threatened	not listed	Moist Mixed Grassland
Short-eared Owl	special concern	not listed	Moist Mixed Grassland
Sprague's Pipit	threatened	not listed	Moist Mixed Grassland
Sage Thrasher	endangered	not listed	Moist Mixed Grassland
Bobolink	no status	not listed	Moist Mixed Grassland
Horned Grebe	no status	not listed	Moist Mixed Grassland
Western Grebe	special concern	not listed	Moist Mixed Grassland
Rusty Blackbird	special concern	not listed	Moist Mixed Grassland
Whooping Crane	endangered	endangered	Moist Mixed Grassland
Barn Swallow	no status	not listed	Moist Mixed Grassland
Long Billed Curlew	special concern	not listed	Moist Mixed Grassland
McCowns Longspur	special concern	not listed	Moist Mixed Grassland
Amphibians			
Northern Leopard Frog	special concern	not listed	Moist Mixed Grassland
Western Tiger Salamander	no status	not listed	Moist Mixed Grassland
Arthropods			
Verna's Flower Moth	threatened	not listed	Moist Mixed Grassland
Monarch Butterfly	special concern	not listed	Moist Mixed Grassland
Vascular Plants			
Smooth Goosefoot	threatened	not listed	Moist 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*

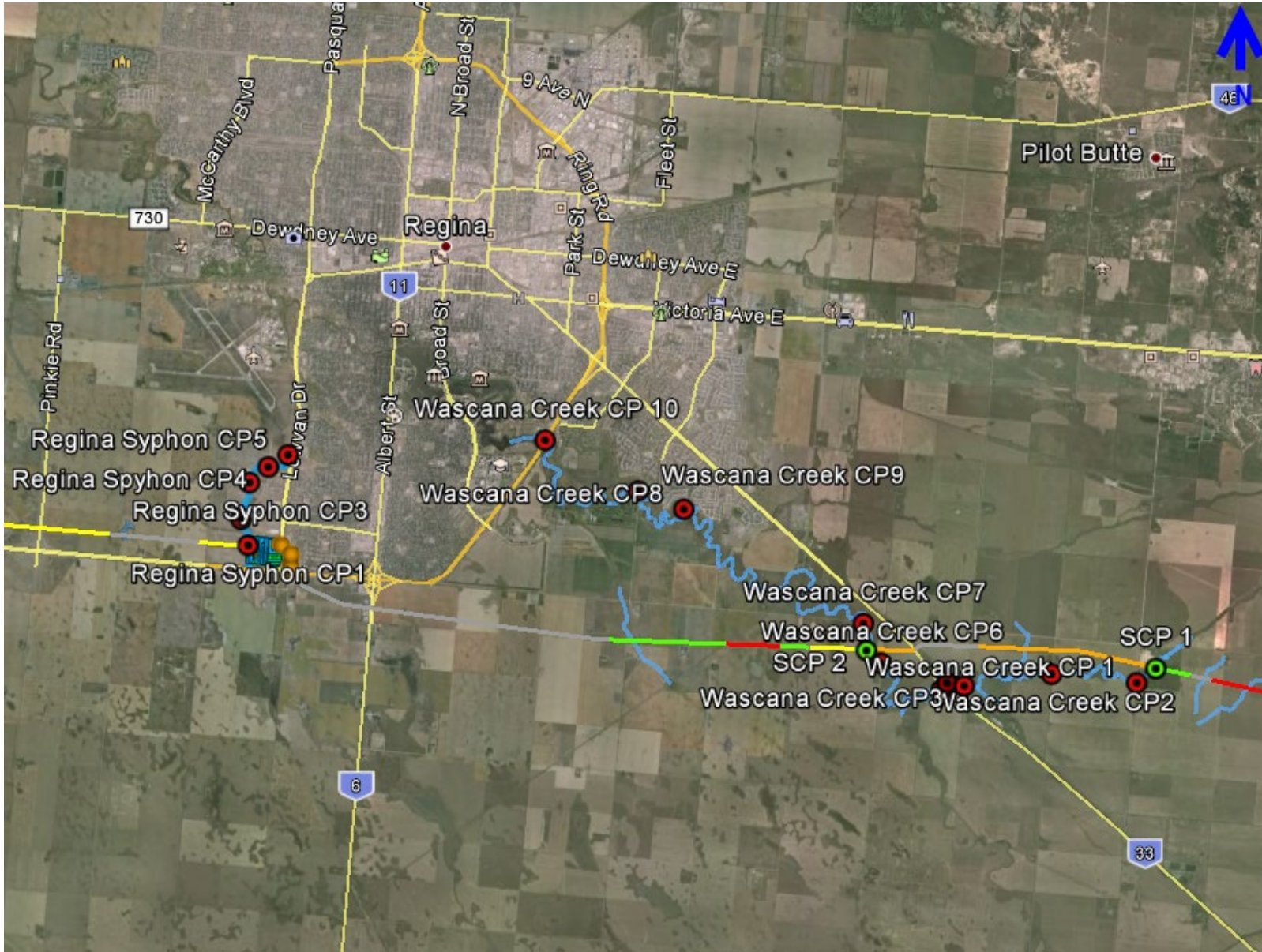
A TransCanada Environmental Specialist will be responsible for managing environmental matters associated with incident response operations, including: environmental assessment; permitting; environmental monitoring and damage assessment; and sensitive habitat and wildlife protection and rehabilitation.

TABLE OF CONTENTS

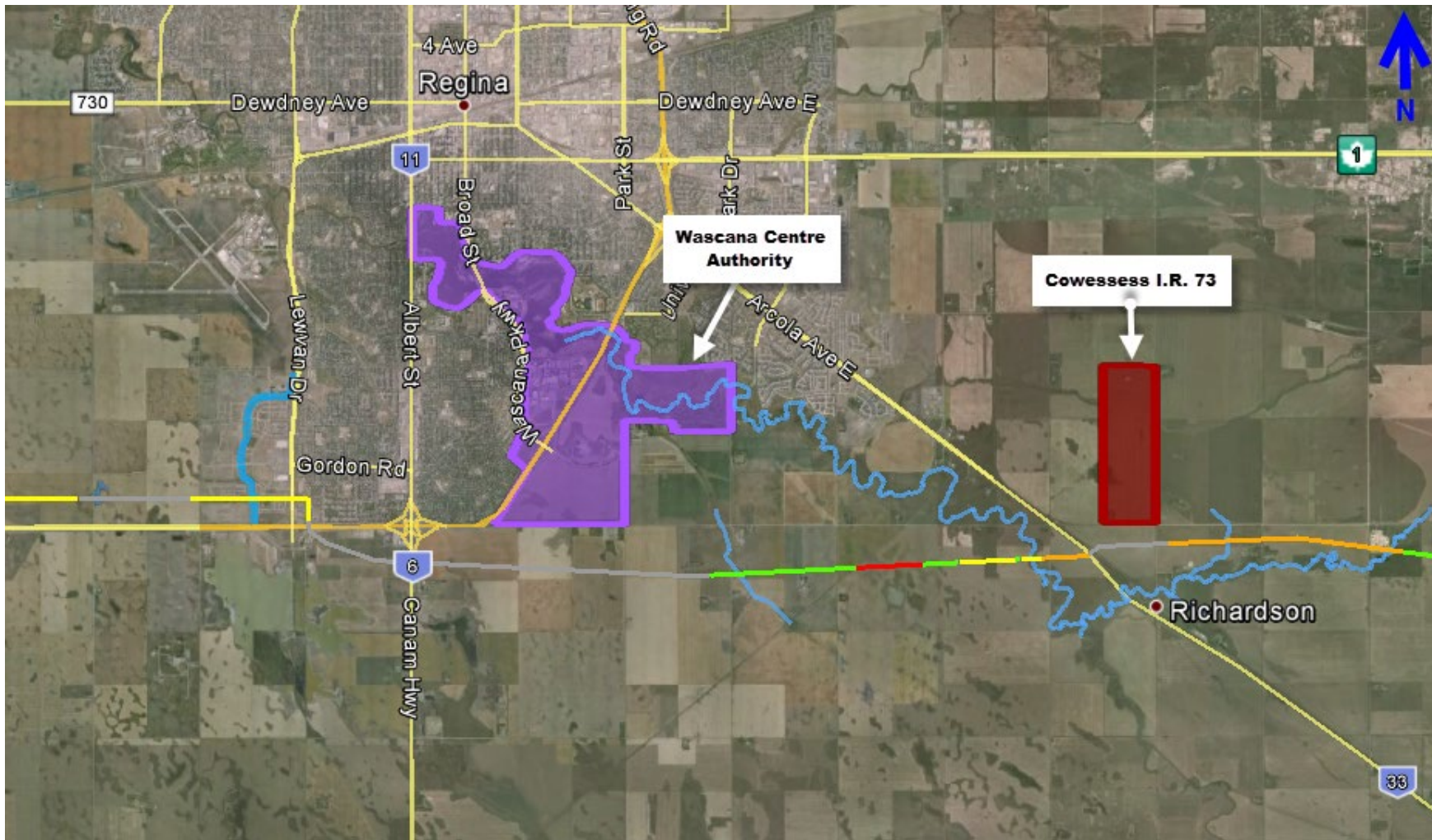
Table of Contents

MAPS	5
MEDICAL PLAN (ICS FORM 206).....	11
RESOURCE REQUIREMENT MATRIX.....	12
POTENTIAL INCIDENT COMMAND POST FACILITIES.....	13
POTENTIAL STAGING AREAS.....	14
LOCAL LODGING.....	15
LOCAL CATERING SERVICES.....	16
LOCAL RESPONSE CONTRACTORS.....	17
LOCAL CONTACTS.....	18
CONTROL POINTS ASSOCIATED WITH THIS PLAN.....	19

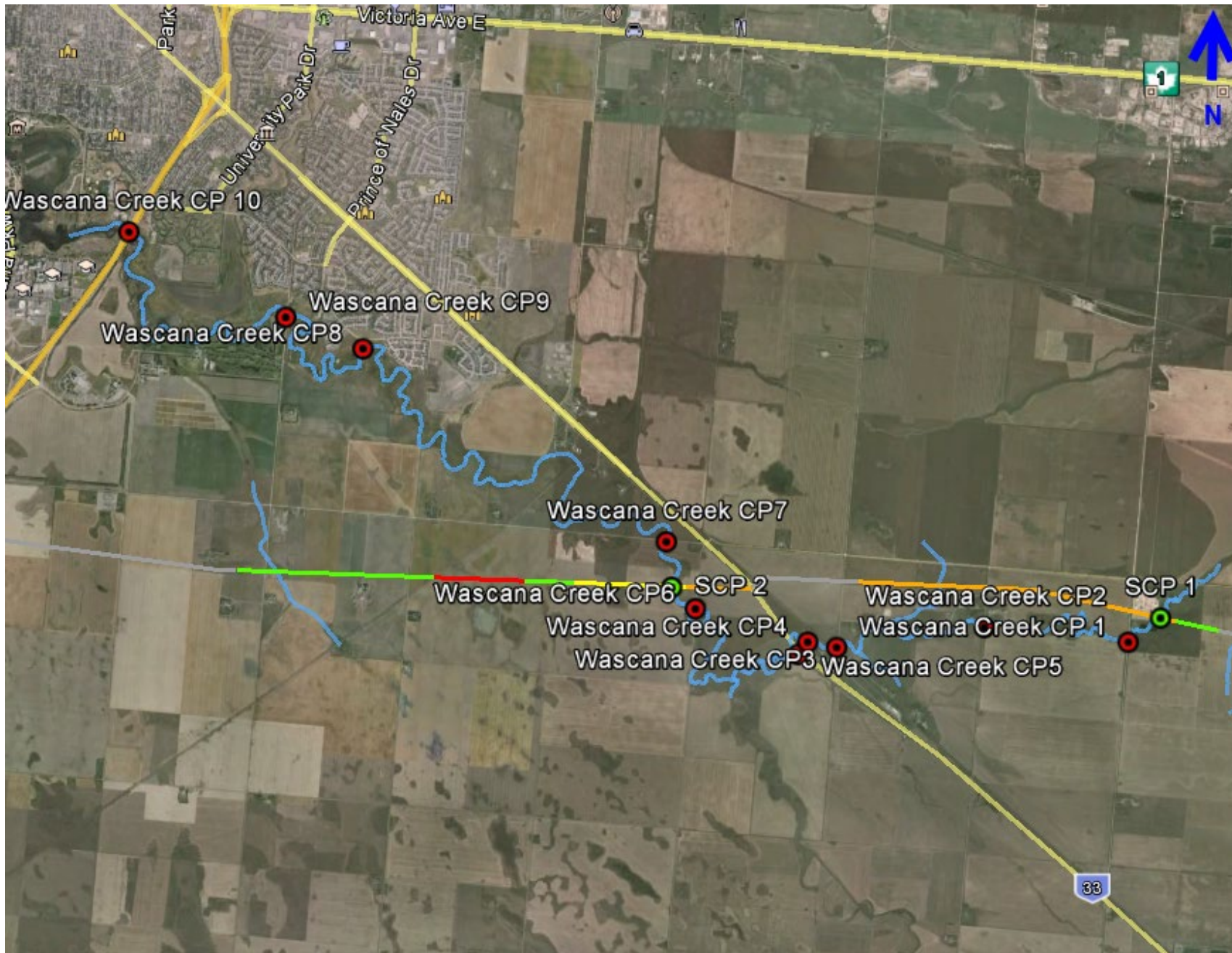
MAPS



Map 1: Overview Map of entire GRP Area on the south side of Regina



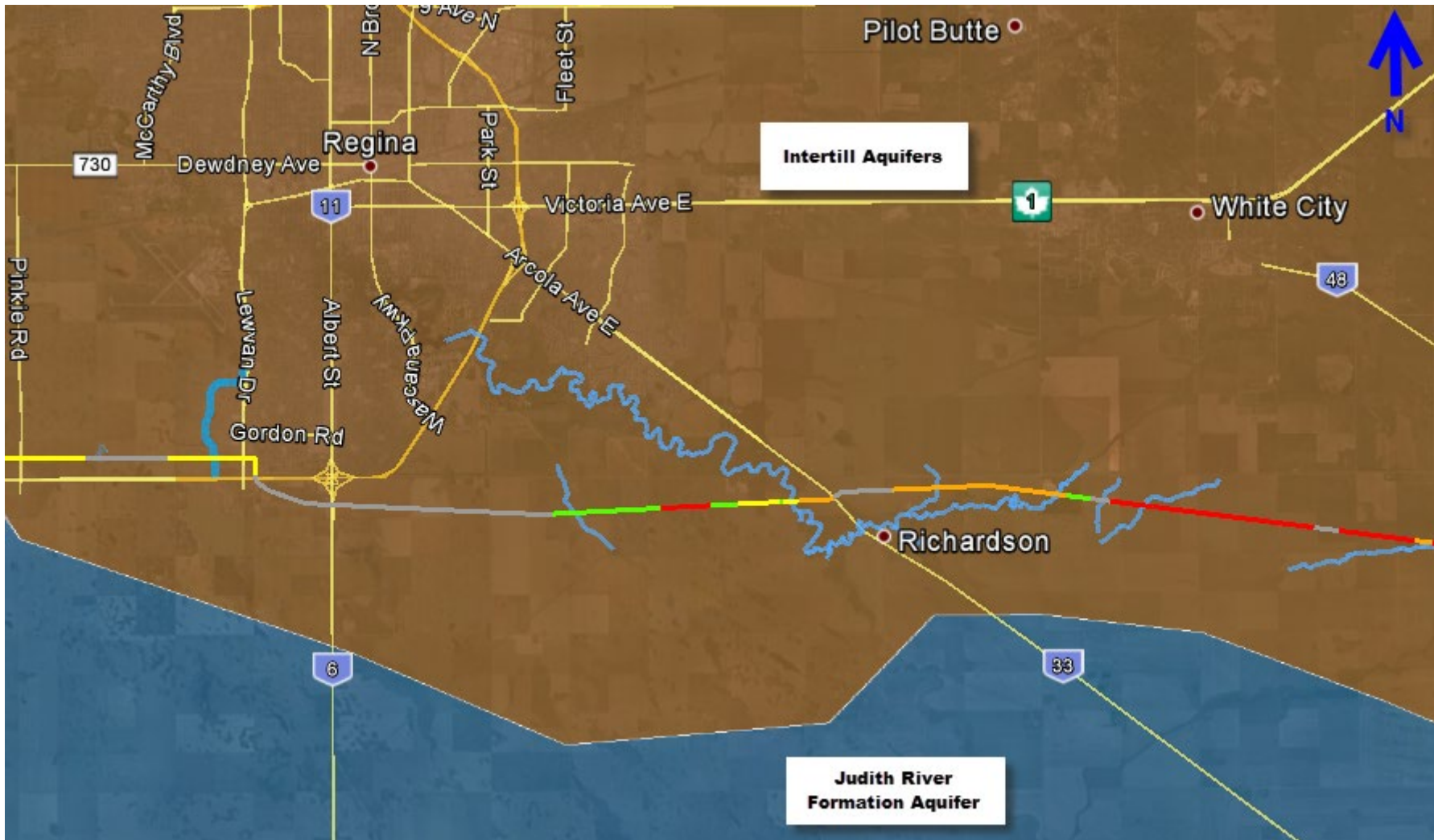
Map 2: identifies protected areas within the GRP



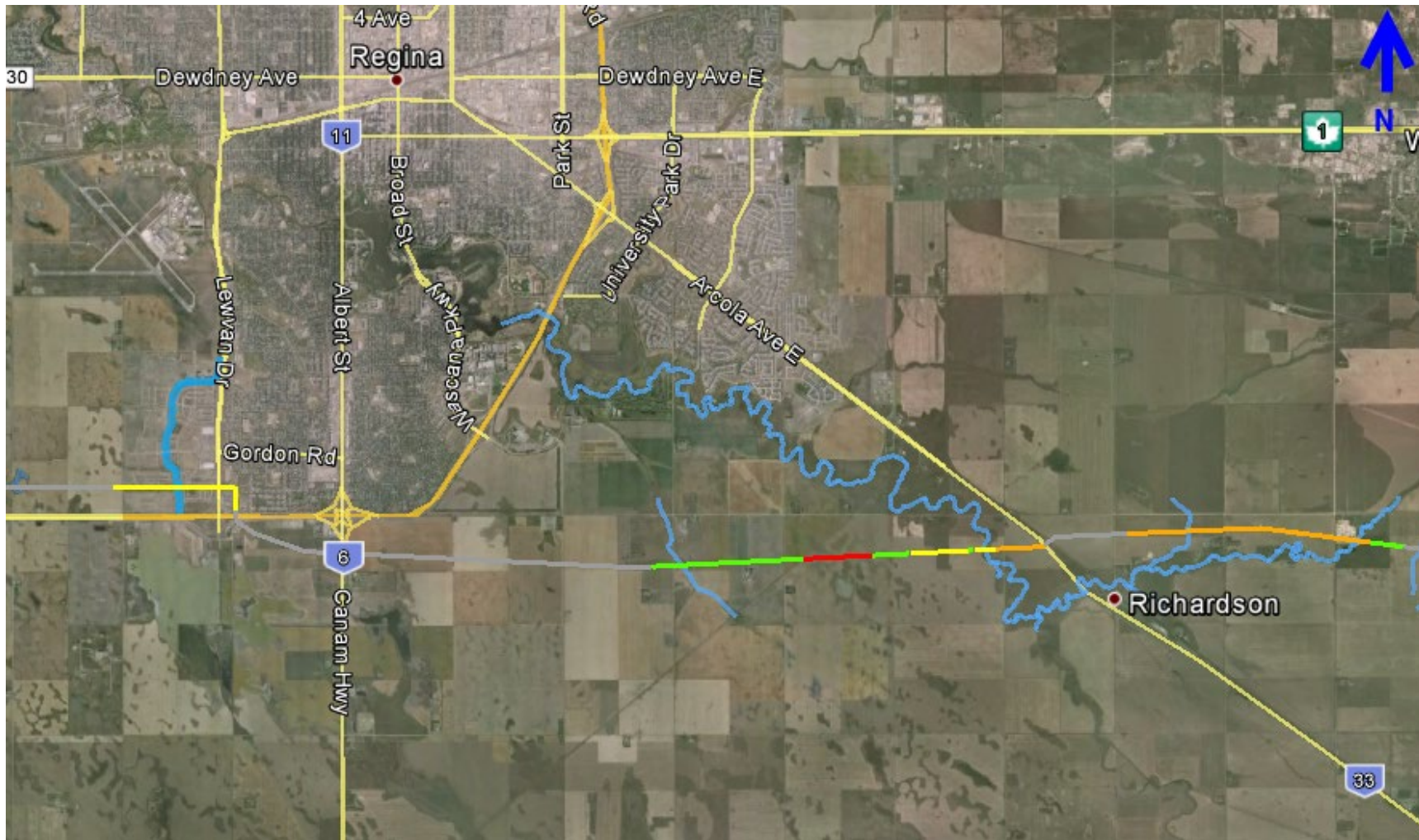
Map 3: close up of Wascana Creek TCPs and SCPs



Map 4: close up of Regina Syphon TCPs and SCPs



Map 5: displays the two key aquifers within the GRP



Map 6: displaying the water channels within the GRP

MEDICAL PLAN (ICS FORM 206)

Transportation

Name	Location	Contact #	Paramedics On-Site (Y/N)
Regina Fire Department	1205 Ross Avenue	911	Y
Regina Ambulance	1650 Saskatchewan Dr, Regina, SK S4P 0B9	911/ (306) 310-5000	Y
Regina Qu'Appelle Health Region	1350 Albert St, Regina, SK S4R 2R7	(306) 766-6250	Y

Hospitals

Hospital Name	Address	Contact #	Travel Time		Burn Center	Heli-Pad
			Air	Ground		
Regina General Hospital	1499 14th Ave, Regina, SK S4P	(306) 766-4444				
Pasqua Hospital	4101 Dewdney Avenue Regina, SK S4T 1A5	(306) 766-2222				

Special Medical Emergency Procedures

RESOURCE REQUIREMENT MATRIX

	Calculation	Substantive Spills Avg. Probable (1% WCD) Redacted 2d	Large Spills Max. Most Probable (10% WCD) Redacted 2d	Worst Case Discharge (WCD) 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	40
Powerplant (Generator)	=1 per skimmer	1	4	40
Pump	=1 per skimmer	1	4	40
Boom (ft)	=1000 feet per recovery site	1000	4000	40,000
Vac Truck	=Volume of oil released/Vac Truck capacity/4 trips per day Vac Truck Capacity= 70bbls	2	18	171
Storage (Frac Tank)	=Volume of oil released/Frac Tank capacity x 2 Frac Tanks = 500 bbls	2	20	192

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
Uplands Community Association 20 Weekes Cres. Regina, SK S4R 6X7 Canada	(306) 949-5137		<ul style="list-style-type: none"> ◦Multi-purpose room (capacity: 150) ◦1 board room (capacity: 20 people) 	N	Y	Bookings for the Community Centre for Social Functions call 949-5137 for more information
Eastview Community Centre 615 6th Avenue Regina SK S4N 0A9	(306) 525-4757		<ul style="list-style-type: none"> ◦Multi-purpose room (capacity: 250 people) ◦Large meeting room (capacity: 100) 	N	Y	<p>Gymnasium - can hold up to 250 people (depending on the configuration)</p> <p style="text-align: center;">Meeting Room - can hold up to 50 people</p>
South Leisure Centre 170 Sunset Drive, Regina	(306) 777-7031		<ul style="list-style-type: none"> ◦Multi-purpose room (capacity: 250 people) ◦1 board room (capacity: 20 people) 	N	Y	<ul style="list-style-type: none"> ◦Submit your booking application in person at least 1 week before your event/activity. Applications received after this deadline may be accommodated on a per-request basis. ◦Bookings made over the phone or tentative bookings are not accepted. ◦You must pay your rental fee by the date specified on your rental contract.
Glencairn Centre 2626 Dewdney Avenue East.	(306) 777-7747		<ul style="list-style-type: none"> ◦Multi-purpose gym (capacity: 300 people) ◦Large meeting room (capacity: 100) 	N	Y	
Argyle Park Centre (35 Davin Crescent	(306) 543-5653			N	Y	<ul style="list-style-type: none"> ◦Multi-purpose room (capacity: 250 people) ◦2 meeting rooms (capacity: 40 people) ◦1 board room (capacity: 20 people)

POTENTIAL STAGING AREAS

Name/Address Lat/Long	Landowner	Phone number	Size / Area	Description (Paved Gravel, Field, etc.)
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**** TO BE DETERMINED BY TACTICAL CONTROL POINT FORMS**

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
Sandman Hotel & Suites Regina 1800 Victoria Ave E Regina SK	Tel: 306 757 2444 Fax: 306 757 2445 Toll-free: 1+800 7263626 Email: reservations@sandman.ca			Y	Y	Business Center, swimming pool, meeting room, gym, pet friendly, parking, wheelchair, a/c rooms, Denny's 24 Hour Restaurant Moxie's Classic Grill and M Bar Lounge
Radisson Plaza Hotel Regina 2125 Victoria Avenue, Regina, SK, A4P 0S3	Ph: 306-522-7691 Fax: 306-757-5521.			Y	Y	The Radisson Plaza features an unbeatable location in the heart of downtown Regina, with accommodation for meetings and events of up to 1,000 people. 3 Dinning options. Room service.
Wingate by Wyndham Regina 1700 Broad Street, Regina, SK S4P 1X4 CA	Phone: 306-584-7400 Fax: 306-584-7401			Y	Y	Meeting & events facility, gym, bar, restaurant, pet friendly, parking, ATM, gift shop, Breakfast
BEST WESTERN Seven Oaks Inn 777 Albert Street Regina, Saskatchewan S4R 2P6 Canada	Toll Free: 1-800-667-8063 Local: (306) 757-0121 Fax: (306) 565-2577		157	Y	Y	Ricky's Restaurant & Lounge, pool, Smoke free, Gym, meeting space (200 people) sauna, jetted hot tub, catering service, free parking, Laundry.
Holiday Inn Express & Suites Regina 1907 11th Avenue Regina, Saskatchewan S4P 0J2 Canada	Ph: 306-569-4600 Fax: 569-3531			N	Y	Business center, copying, faxing, printing, Wi-Fi, gym, laundry, dry cleaning, housekeeping, safety deposit box, Breakfast Bar. The Beer Bros Gastro Pub is located within minutes of the hotel and offers a comfortable atmosphere with great pub style food

LOCAL CATERING SERVICES

Name/Address Lat/Long	Phone Number	Distance From – Center (Miles/Kilometers)	Delivery (Y/N)	Notes
Valley Girls Catering 2500 Victoria Ave Regina Sk. S4S 4M2	(306) 751-2233		Y	Appetizers, Homemade soups, Salads, sides, Desserts, Continental breakfast, sandwiches, quesadillas, BBQ beef on a bun, Burgers, Lasagna, chicken souvlaki, tenderloin skewers, ribs.
Rushton's Catering 2903 Powerhouse Drive Regina, SK S4N 0A1	(306) 569-8538		Y	Minimum of 72 hours prior to your required delivery. Lunch: Sandwiches, chicken souvlaki, lasagna, BBQ beef on a bun, chicken Alfredo, Carolina pulled pork, salads. Diner: AAA angus prime ribs, AAA angus roast beef, chicken breasts, apple roasted pork loin, turkey & stuffing, sides.
Wallnuts Expressive Catering 232A College Avenue East, Regina SK.	(306) 543-9255		Y	Turkey pot pie, Shepard's pie, lasagna, meatloaf, sirloin roast, chicken breast, pork tenderloin, salmon, etc. Gluten Free- Vegetarian- Dairy Free 24 hour minimum notice depending on availability
LB Café 2440 Broad St Regina, SK	(306) 586-0800		Y	Sandwiches or Wrap plus, Entrees, Build your own soft taco, Build your own sandwich, Homemade Quiche lunch, Ukrainian Dinner <i>Please email orders to Redacted 1b at least 1 week prior</i>
Peg's Kitchen 1653 Park Street, Regina SK. A4N 5A2	(306) 781-2830		Y	Breakfast, Lunch and Supper, Turkey and Beef Meal (minimum of 25 people) and last trays. Our delectable dishes include beef, ham, or turkey with all the fixings, kobasa sausage, cheddar cheese perogies, and our famous hand rolled German style cabbage rolls. We look forward to catering your timeless occasion with our traditional meals.

LOCAL RESPONSE CONTRACTORS

Name/Address Lat/Long	Phone Number	Distance From- Center (Miles/Kilometers)	Notes
Quantum Murray Emergency Response	(877) 378-7745		
Oil Spill Contingency Group Area 4,5 & 6	(306) 634-8022		
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
Regina Fire & Protective Services	1205 Ross Avenue Regina, SK	911
Regina Police Service	1717 Osler St Regina SK S4P 3W3	911
City Of Regina	Queen Elizabeth II Court 2476 Victoria Avenue PO Box 1790 Regina, SK Canada S4P 3C8	(306) 777-7000.
Rural Municipality of Sherwood 159	4400 Campbell St, Regina, SK S4W 0L3	(306) 525-5237
Rural Municipality of Edenwold 158	100 Queen St, Balgonie, SK S0G 0E0	(306) 771-2522

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 Regina, SK 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.

WASCANA CREEK

- [WASCANA CREEK SCP 1](#)
- [WASCANA CREEK TCP 1](#)
- [WASCANA CREEK TCP 2](#)
- [WASCANA CREEK TCP 3](#)
- [WASCANA CREEK TCP 4](#)
- [WASCANA CREEK TCP 5](#)
- [WASCANA CREEK TCP 6](#)
- [WASCANA CREEK TCP 7](#)
- [WASCANA CREEK TCP 8](#)
- [WASCANA CREEK TCP 9](#)
- [WASCANA CREEK TCP 10](#)

REGINA SYPHON

- [REGINA SYPHON TCP 1](#)
- [REGINA SYPHON TCP 2](#)
- [REGINA SYPHON TCP 3](#)
- [REGINA SYPHON TCP 4](#)
- [REGINA SYPHON TCP 5](#)