





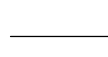
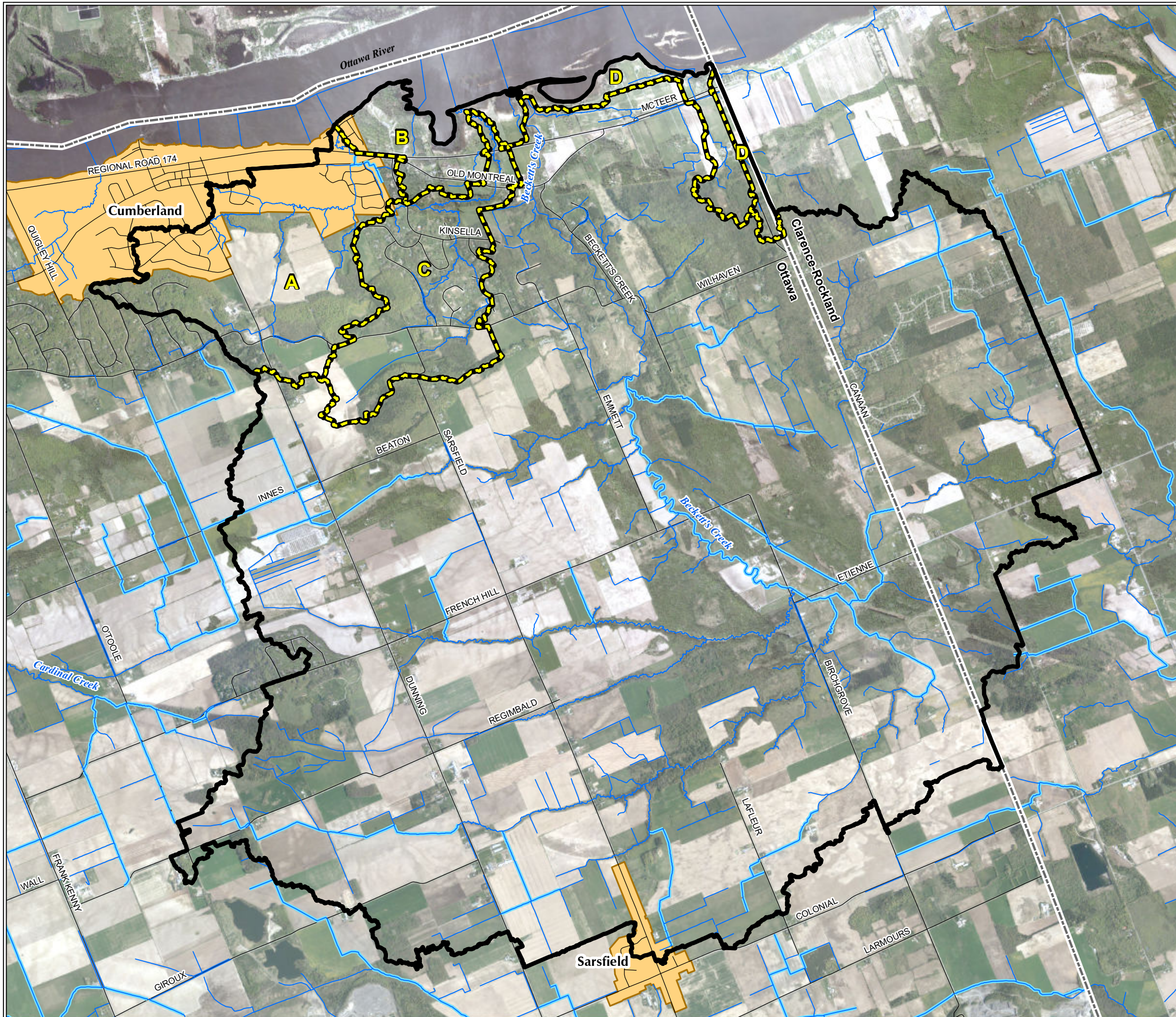
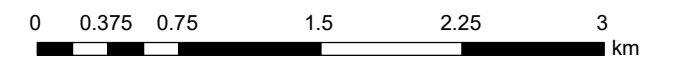
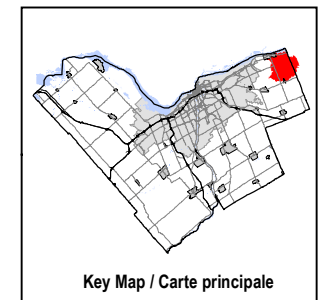


# Beckett's Creek

SUBWATERSHED STUDY

## Study Area / Zone d'étude






-  Beckett's Creek Subwatershed Study Area /  
Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's
-  Villages /  
Villages
-  Municipal Boundary /  
Limite municipale
-  Watercourse /  
Cours d'eau
-  Municipal Drain /  
Drain municipal
-  Catchment Area Boundary /  
Limite de l'aire de captage
-  Road /  
Chemin



# Beckett's Creek






SUBWATERSHED STUDY

## Official Plan Designations / Affectations - Plan officiel



-  Beckett's Creek Subwatershed Study Area /  
Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's
-  Municipal Boundary /  
Limite municipale
-  Watercourse /  
Cours d'eau
-  Municipal Drain /  
Drain municipal
-  Catchment Area Boundary /  
Limite de l'aire de captage

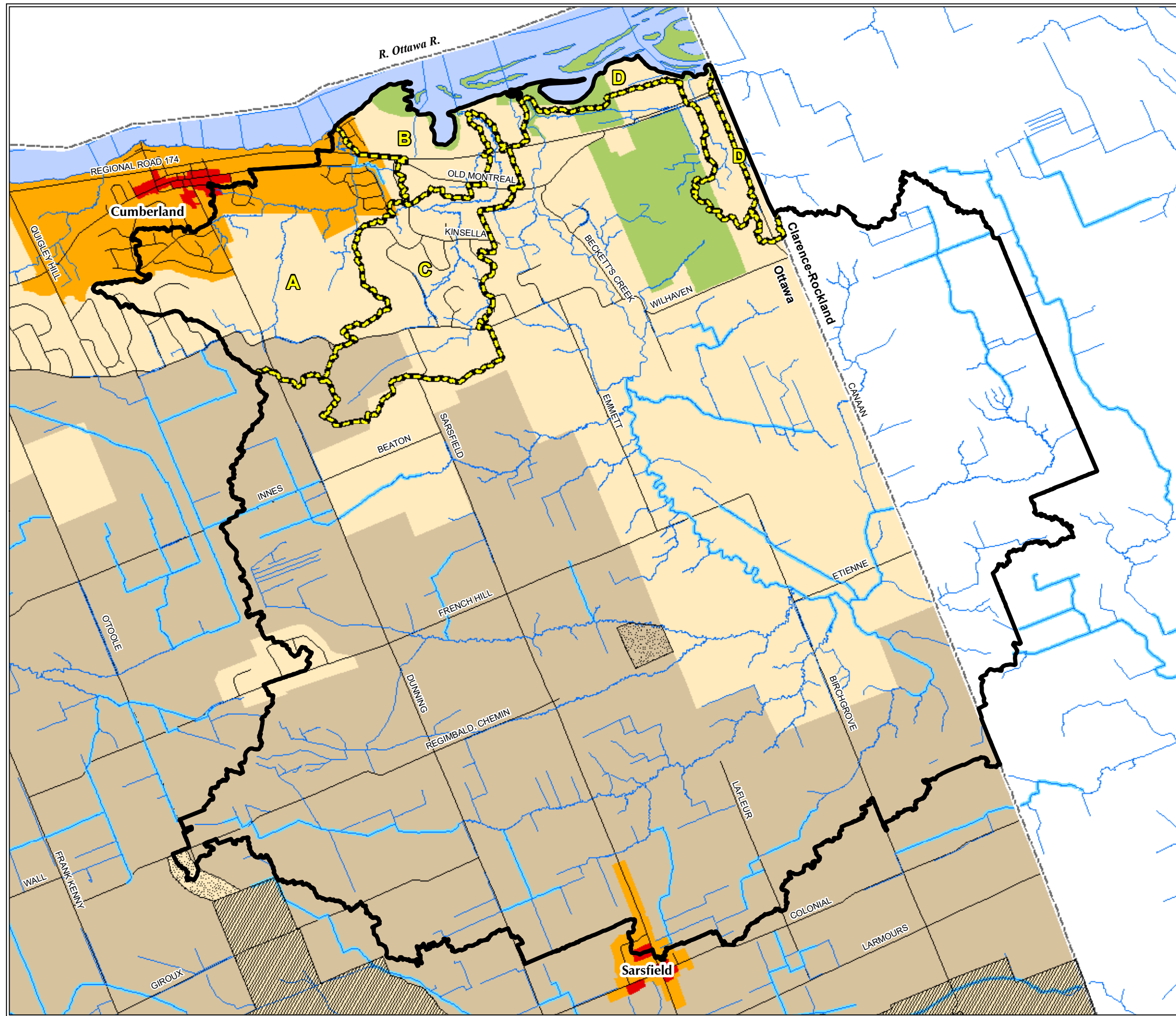
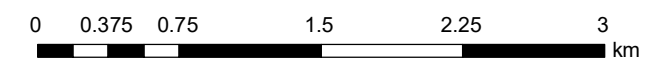
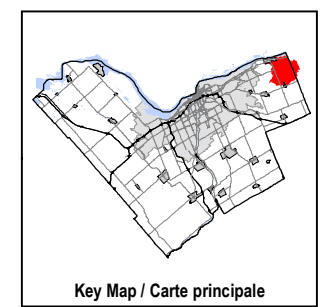
### OFFICIAL PLAN - SCHEDULE B9 - RURAL TRANSECT PLAN OFFICIEL - ANNEXE B9 - TRANSECT SECTEUR RURAL

#### DESIGNATIONS / AFFECTATIONS

-  Agricultural Resource Area / Zone de ressources agricoles
-  Rural Countryside / Campagne rurale
-  Greenspace / Espace vert
-  Village / Village
-  Village Core / Centre du village

#### OVERLAYS / AFFECTATION SUPPLÉMENTAIRE





-  Bedrock Resource Area Overlay / Superposition de la ressource en substrat rocheux
-  Sand and Gravel Resource Area Overlay / Superposition de la ressource en sable et en gravier




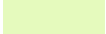
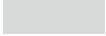





# Beckett's Creek

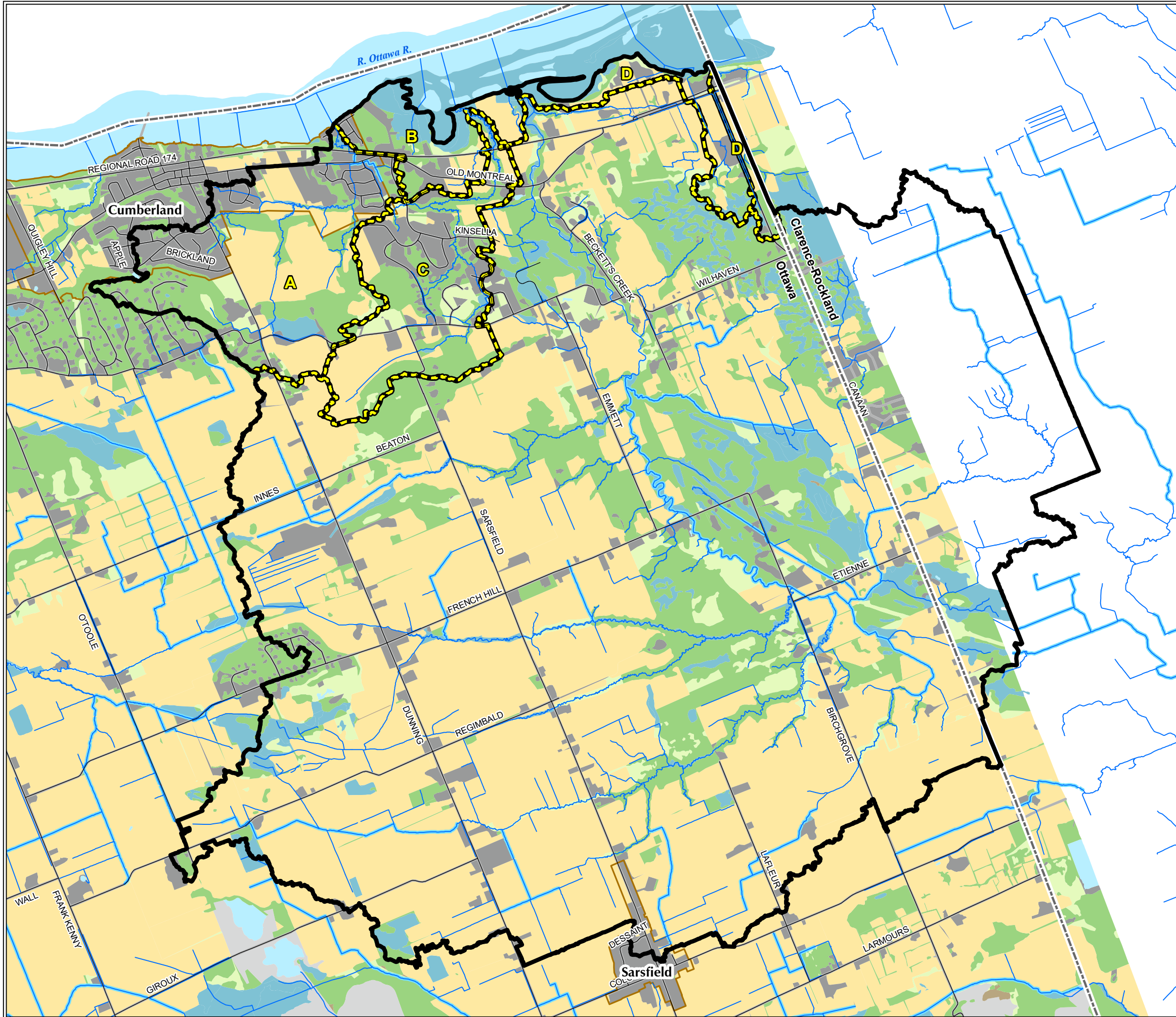
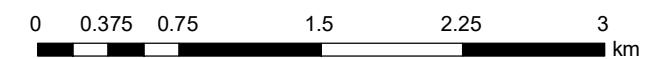
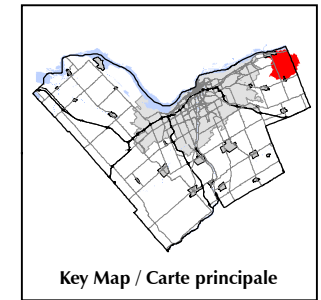
SUBWATERSHED STUDY

## Land Cover / La couverture terrestre

-  Beckett's Creek Subwatershed Study Area / Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's
-  Municipal Boundary / Limite municipale
-  Watercourse / Cours d'eau
-  Catchment Area Boundary / Limite de l'aire de captage

## LAND COVER 2011 / LA COUVERTURE TERRESTRE 2011









-  Crop and Pasture / Culture et pâturage
-  Grassland / Prairie
-  Sand and Gravel / Sable et gravier
-  Settlement / Peuplement
-  Transportation / Transport
-  Water / Eau
-  Wetland / Terre humide
-  Wooded Area / Zone boisée

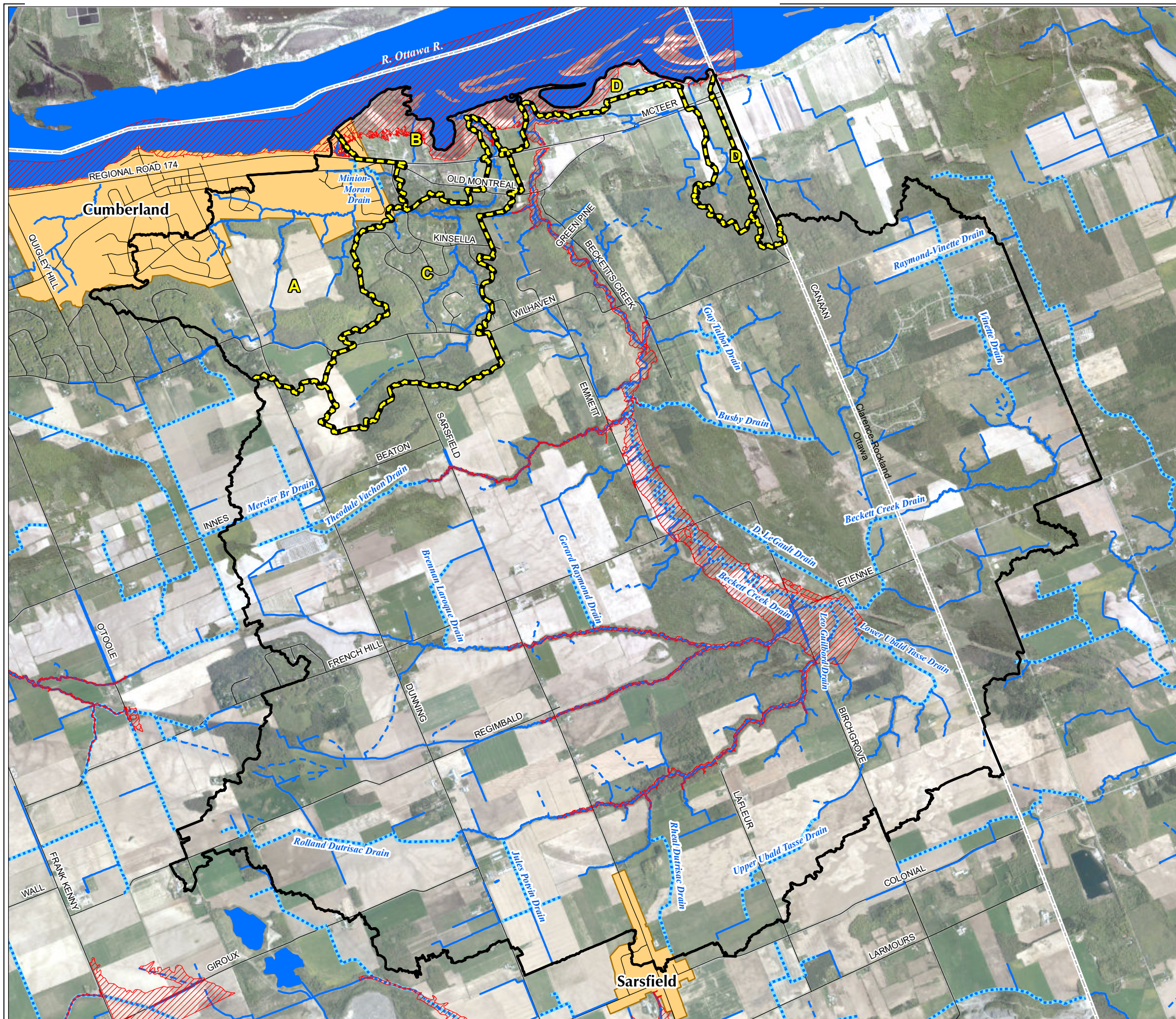
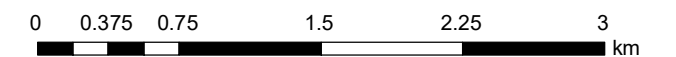
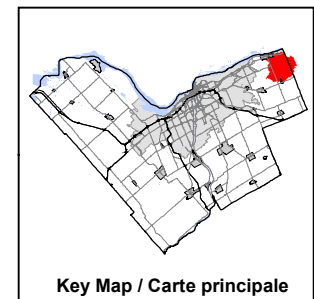


# Beckett's Creek

SUBWATERSHED STUDY

## Surface Water Features / Plans d'eaux de surface

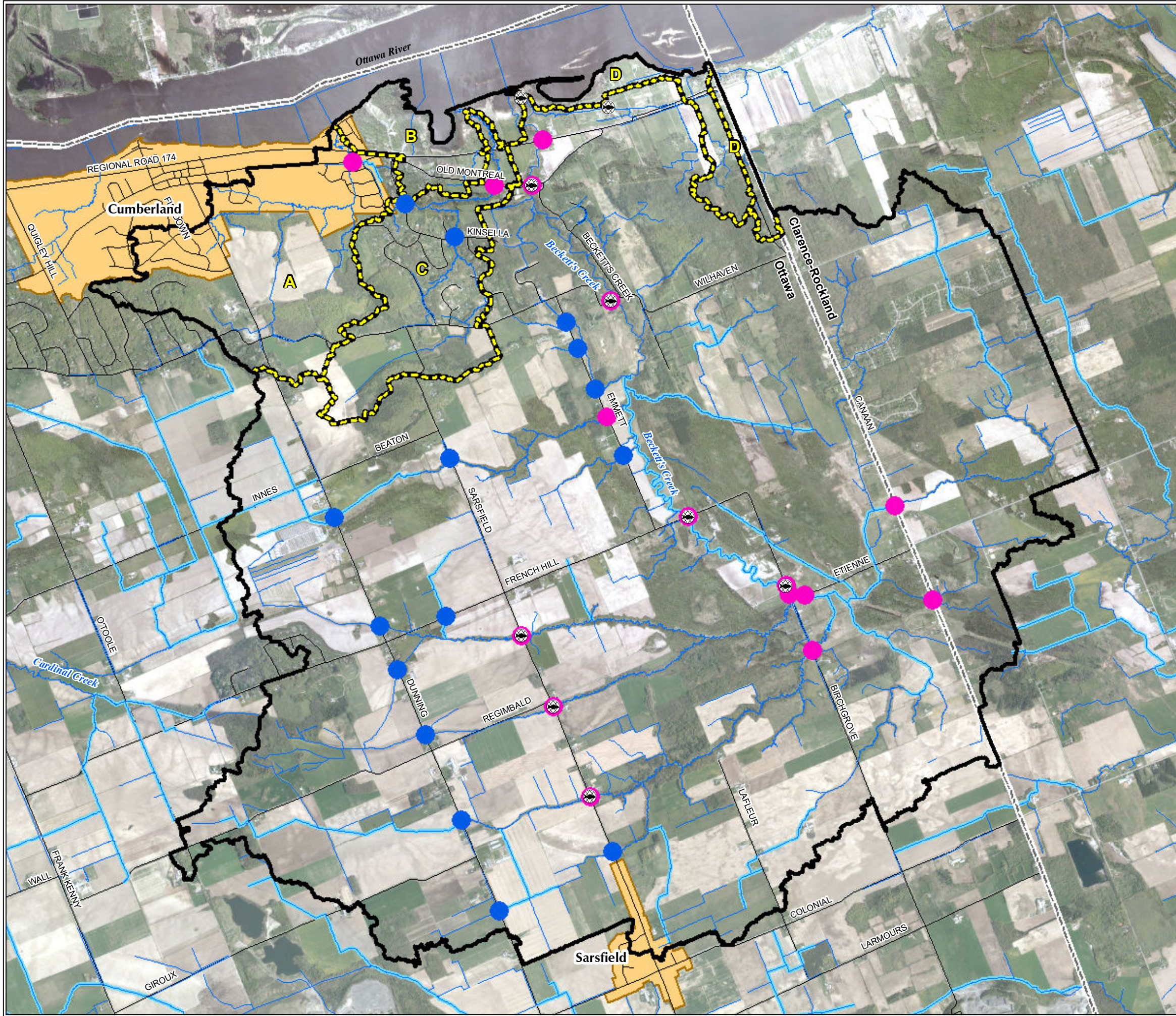
-  Beckett's Creek Subwatershed Study Area /  
Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's
-  Villages /  
Villages
-  Municipal Boundary /  
Limite municipale
-  Stream / Ruisseau
-  Swale / Rigole de drainage
-  Municipal Drain / Drain municipal
-  Catchment Area Boundary /  
Limite de l'aire de captage
-  Floodplain / Plaine inondable













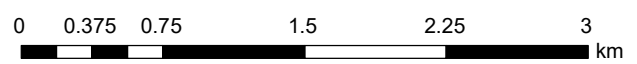
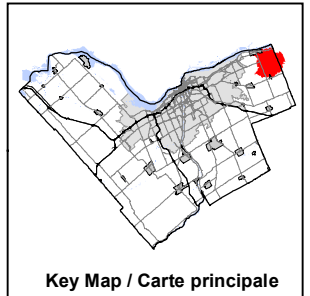
# Beckett's Creek

SUBWATERSHED STUDY

## Stream Survey Locations / Enquête sur les cours d'eau



-  Beckett's Creek Subwatershed Study Area /  
Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's
-  Villages /  
Villages
-  Municipal Boundary /  
Limite municipale
-  Watercourse /  
Cours d'eau
-  Municipal Drain /  
Drain municipal
-  Catchment Area Boundary /  
Limite de l'aire de captage
-  Road /  
Chemin
-  Fish Sampling Site /  
Site d'échantillonnage de poissons
-  Water Quantity Site /  
Site d'évaluation de la quantité d'eau
-  Water Quantity and Quality Site /  
Site d'évaluation de la quantité d'eau et de la qualité de l'eau



ÉTUDE DE SOUS-BASSIN HYDROGRAPHIQUE

# Beckett's Creek





SUBWATERSHED STUDY

**Bedrock Geology**

(Ontario Geological Survey)





Géologie du substratum rocheux

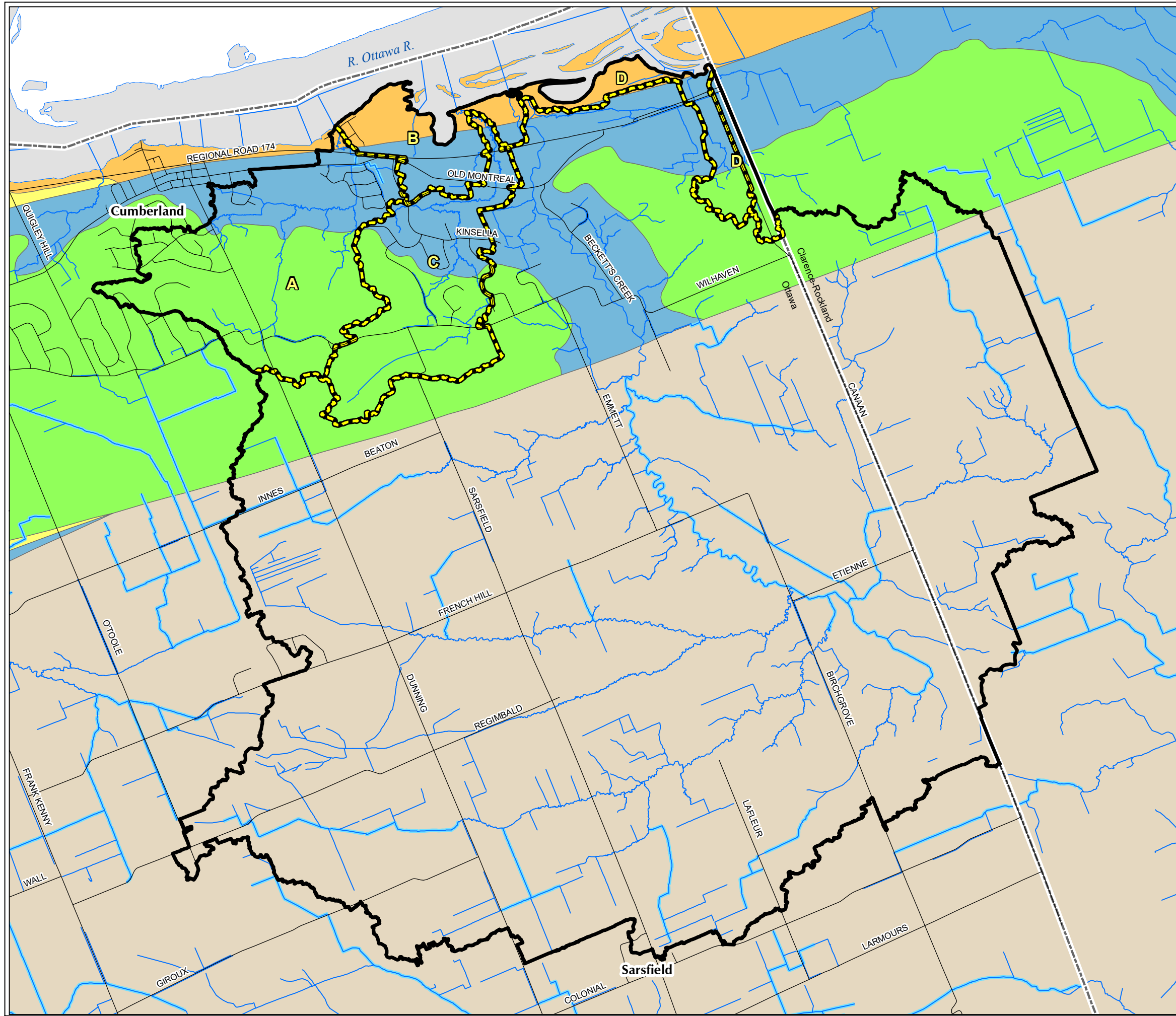
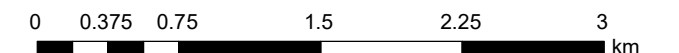
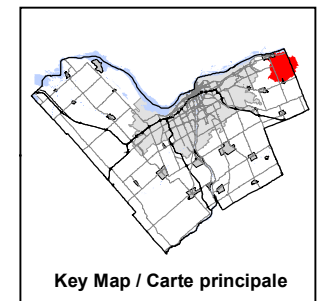
(Commission géologique de l'Ontario)

-  Beckett's Creek Subwatershed Study Area / Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's
-  Municipal Boundary / Limite municipale
-  Watercourse / Cours d'eau
-  Catchment Area Boundary / Limite de l'aire de captage

**BEDROCK GEOLOGY / GÉOLOGIE DU SUBSTRATUM ROCHEUX**

\*Note: Source – Armstrong, D.K. and Dodge, J.E.P. 2007. Paleozoic geology of southern Ontario; Ontario Geological Survey  
\*Nota : Source – Armstrong, D.K. and Dodge, J.E.P. 2007. Géologie Paleozoic du Sud de l'Ontario, Commission géologique de l'Ontario, 2010





-  Oxford Formation / Formation d'Oxford
-  Gull River Formation / Formation de Rivière Gull
-  Bobcaygeon Formation / Formation de Bobcaygeon
-  Lindsay Formation / Formation de Lindsay



# Beckett's Creek


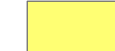
SUBWATERSHED STUDY

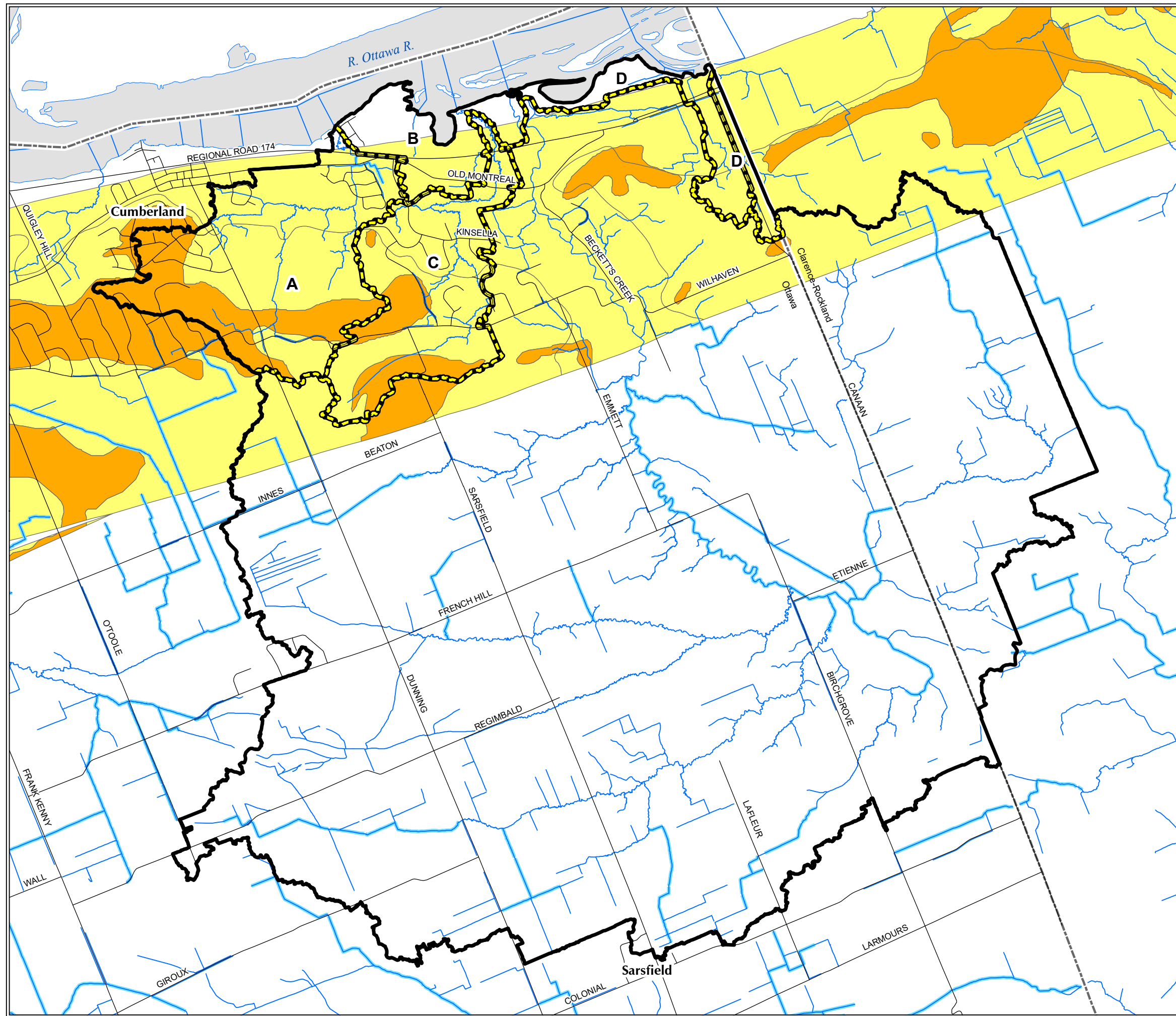
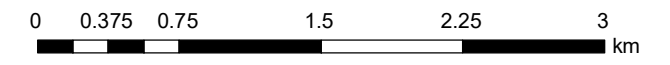
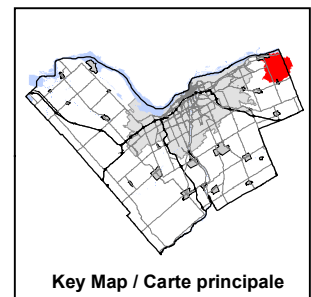
**Karst Geology**  
(Ontario Geological Survey)  
**Géologie karstique**  
(Commission géologique de l'Ontario)

-  Beckett's Creek Subwatershed Study Area / Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's
-  Municipal Boundary / Limite municipale
-  Watercourse / Cours d'eau
-  Catchment Area Boundary / Limite de l'aire de captage

**KARST GEOLOGY / GÉOLOGIE KARSTIQUE**

\*Note: Source – Karst of Southern Ontario and Manitoulin Island, Ontario Geological Survey, 2008.  
\*Nota: Source – Géologie karstique du Sud de l'Ontario et Île Manitoulin, Commission géologique de l'Ontario, 2008

-  Inferred areas of Karst / Zones inférées du Karst
-  Potential areas of Karst / Zones potentielles du Karst








ÉTUDE DE SOUS-BASSIN HYDROGRAPHIQUE

# Beckett's Creek

SUBWATERSHED STUDY




Surficial Geology  
(Ontario Geological Survey)

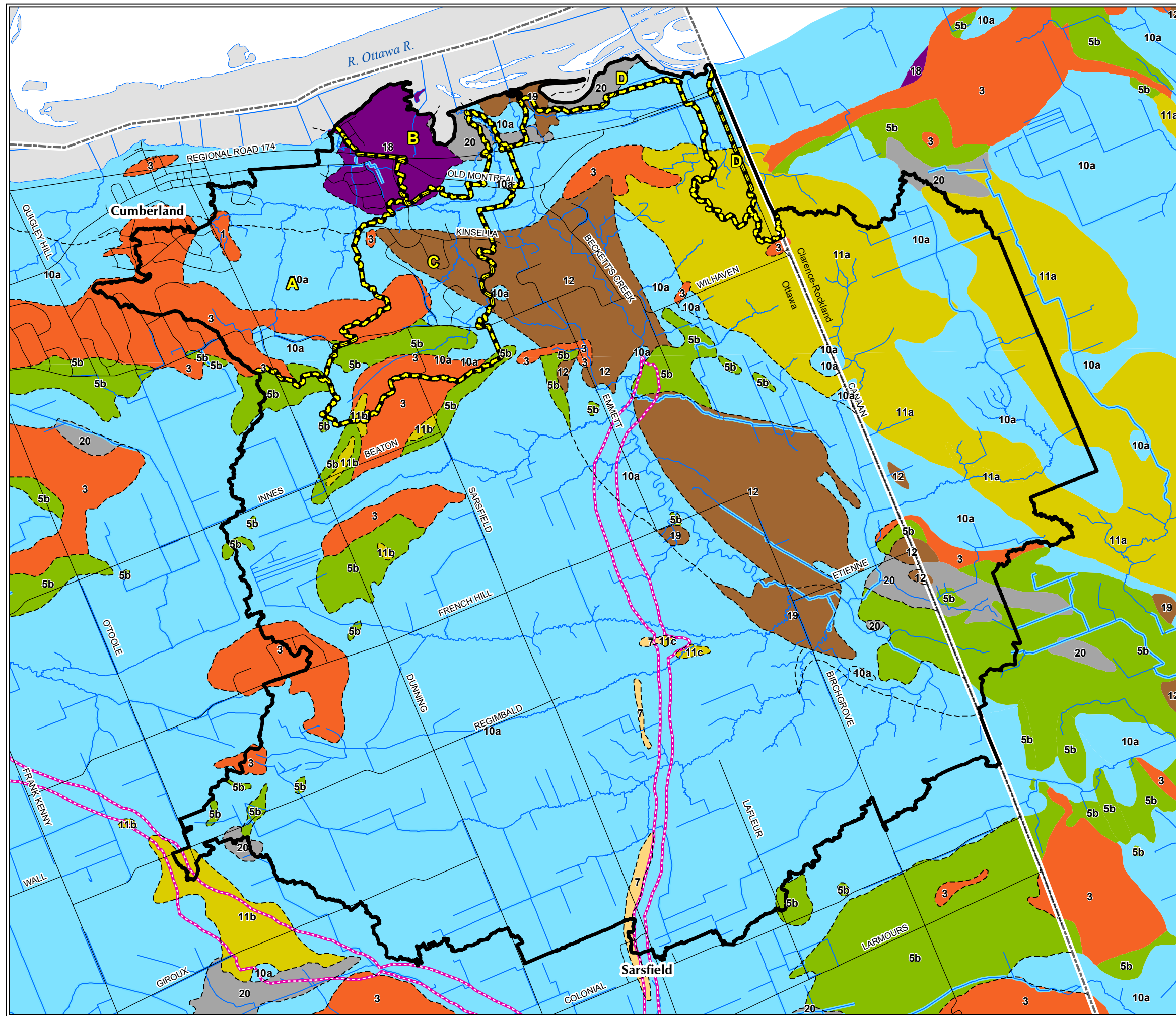
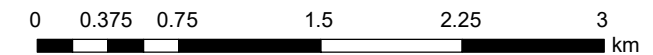
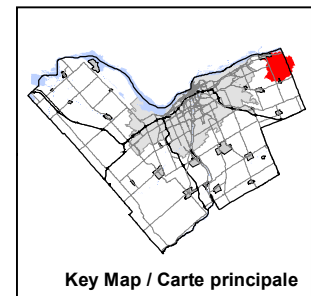
Géologie de surface  
(Commission géologique de l'Ontario)

-  Beckett's Creek Subwatershed Study Area /  
Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's
-  Municipal Boundary /  
Limite municipale
-  Watercourse /  
Cours d'eau
-  Catchment Area Boundary /  
Limite de l'aire de captage
-  Vars-Winchester Esker /  
Esker Vars-Winchester

**SURFICIAL GEOLOGY / GÉOLOGIE DE SURFACE**

\*Note: Source – Surficial Geology of Southern Ontario, Ontario Geological Survey, 2010  
\*Nota: Source – Géologie superficielle du Sud de l'Ontario, Commission géologique de l'Ontario, 2010

-  1, 3 Bedrock /  
Socle
-  5b Till, plain /  
Till, plaine
-  7 Glaciofluvial deposits /  
Matériaux fluvioglaciaires
-  10a Offshore Marine Deposits /  
Dépôts marins en mer
-  11a,b,c Nearshore Marine Deposits /  
Dépôts marins littoraux
-  12, 19 Alluvial deposits /  
Gîtes alluvionnaires
-  18 Colluvial Deposits /  
Dépôts Colluvial
-  20 Organic Deposits /  
Dépôts organiques








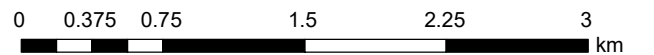
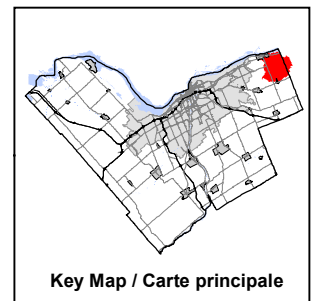
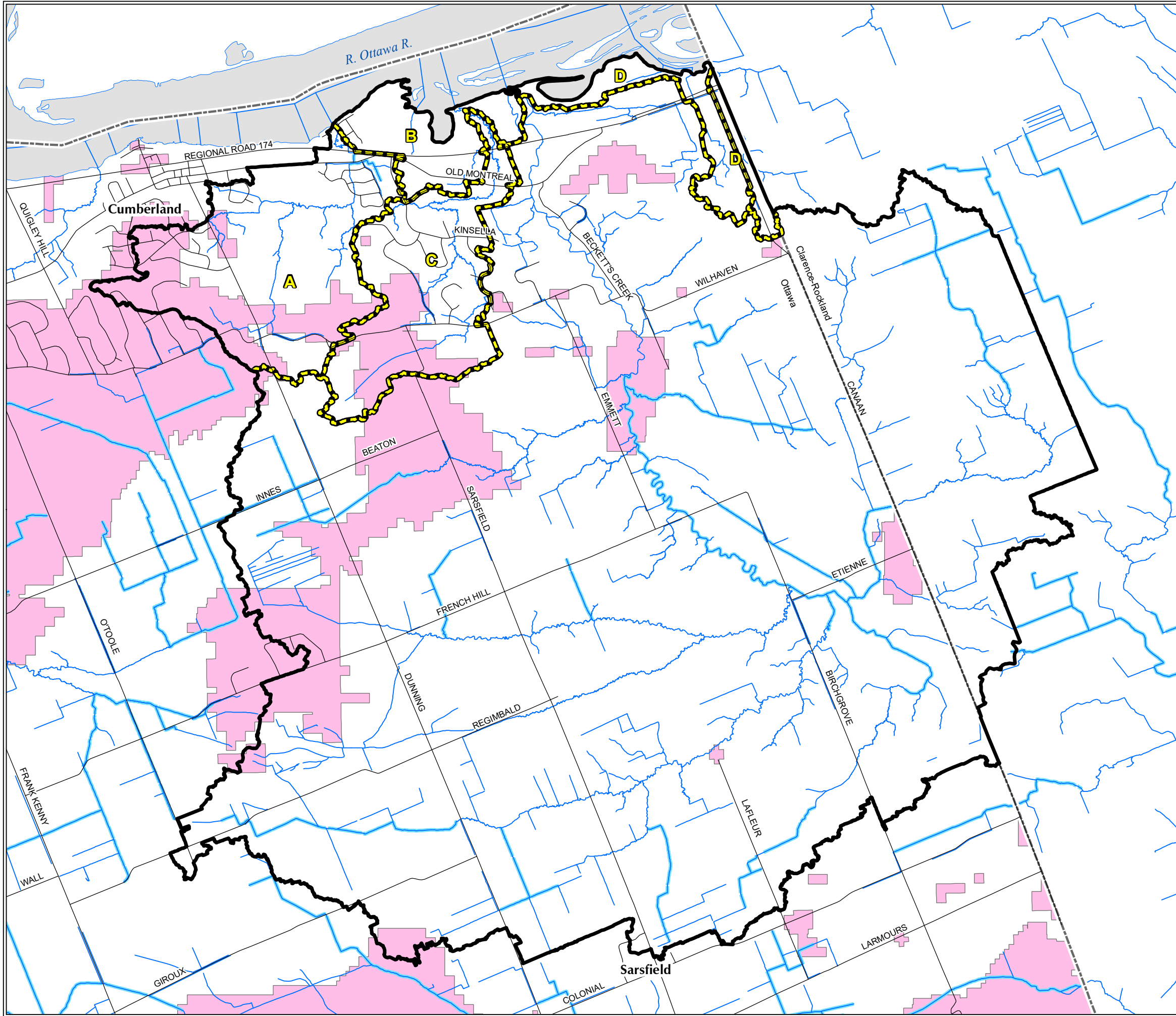


# Beckett's Creek

SUBWATERSHED STUDY

## Thin Soils / Sols de faible profondeur

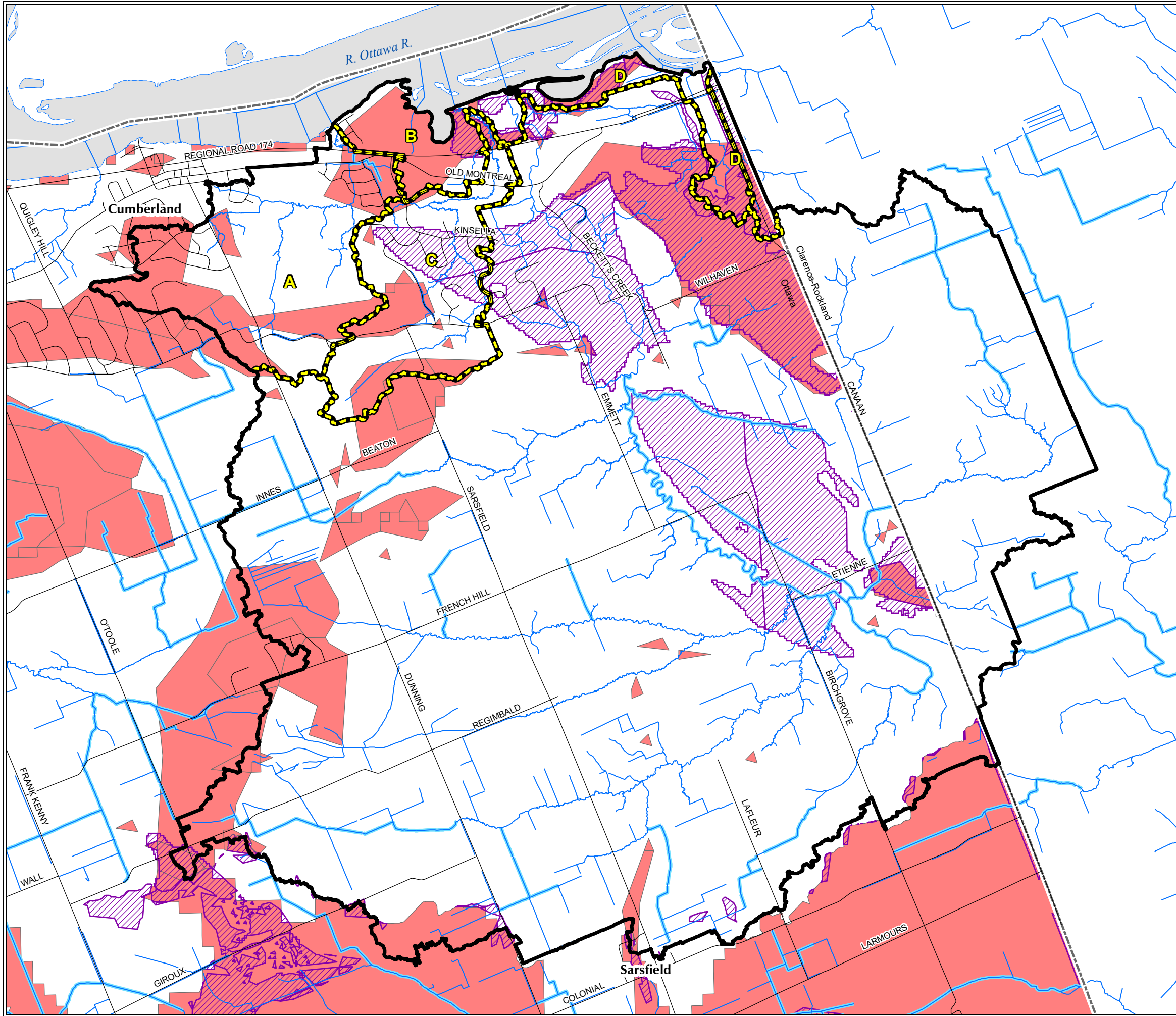
-  Beckett's Creek Subwatershed Study Area / Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's
-  Municipal Boundary / Limite municipale
-  Watercourse / Cours d'eau
-  Catchment Area Boundary / Limite de l'aire de captage
-  Thin Soils / Sols de faible profondeur









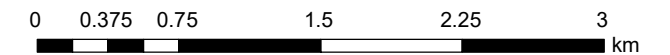
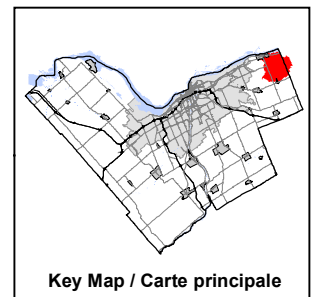
# Beckett's Creek

SUBWATERSHED STUDY

## Highly Vulnerable Aquifers and Significant Groundwater Recharge Areas / Aquifères hautement vulnérable et Zone importante de recharge des eaux souterraines



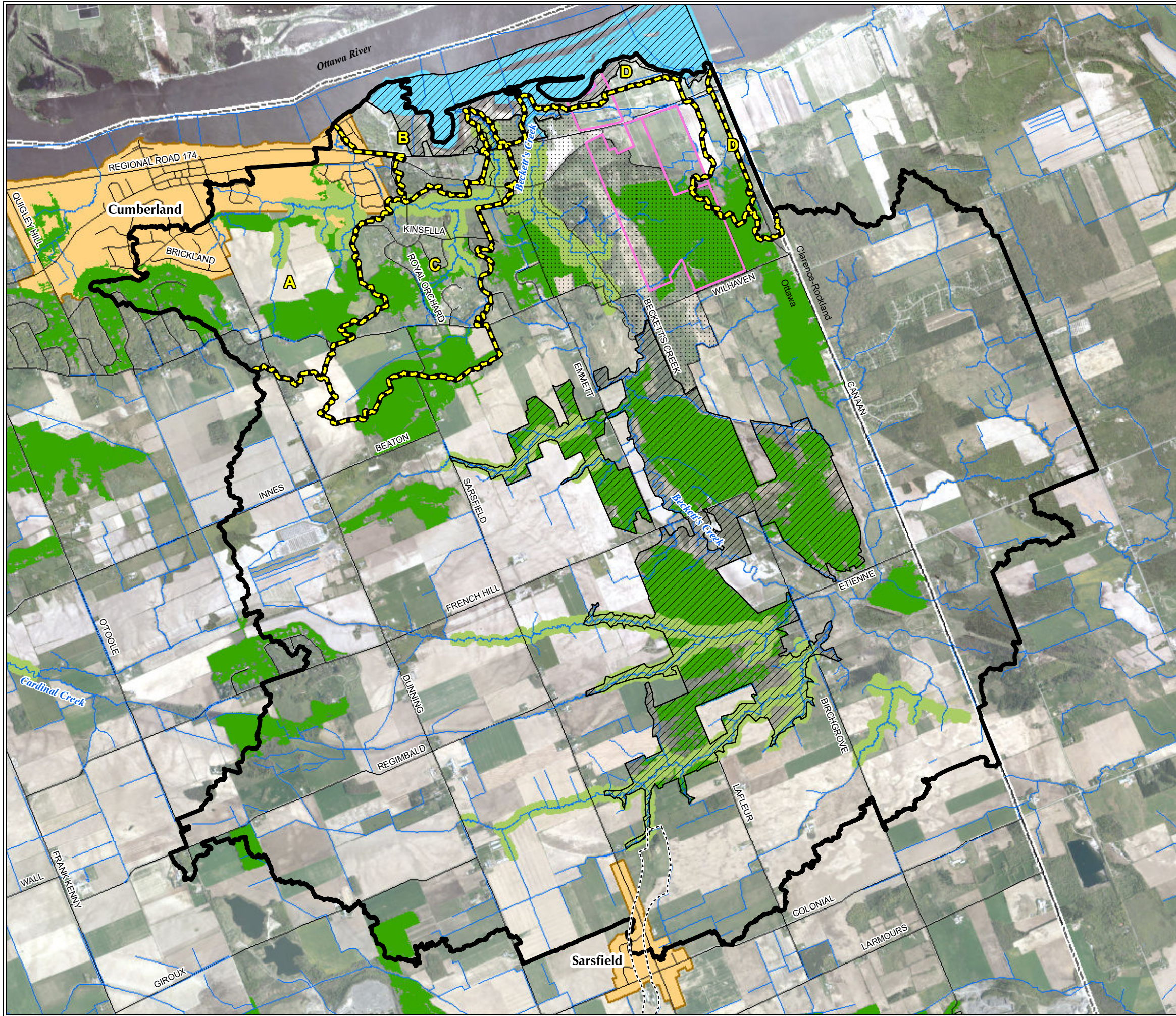
-  Beckett's Creek Subwatershed Study Area /  
Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's
-  Municipal Boundary /  
Limite municipale
-  Watercourse /  
Cours d'eau
-  Catchment Area Boundary /  
Limite de l'aire de captage
-  Mississippi-Rideau and Raisin-South Nation Source Protection Region  
- Highly Vulnerable Aquifers /  
Région Protection des sources de Mississippi-Rideau et Paisin-Nation Sud  
- Aquifères hautement vulnérable
-  Mississippi-Rideau and Raisin-South Nation Source Protection Region  
- Significant Groundwater Recharge Areas /  
Région Protection des sources de Mississippi-Rideau et Paisin-Nation Sud  
- Zone importante de recharge des eaux souterraines



# Beckett's Creek

SUBWATERSHED STUDY

## Natural Heritage Features and System / Caractéristiques et système du patrimoine naturel



Beckett's Creek Subwatershed Study Area /  
Zone d'étude de sous-bassin hydrographique du ruisseau Beckett's

Villages /  
Villages

Municipal Boundary /  
Limite municipale

Watercourses /  
Cours d'eau

Catchment Area Boundary /  
Limite de l'aire de captage

### OVERLAYS / AFFECTATIONS SUPPLÉMENTAIRES

Natural Heritage System Core Area /  
Secteur central du système du patrimoine naturel

Natural Heritage System Linkage Area /  
Secteur de liaison du système du patrimoine naturel

### NATURAL HERITAGE FEATURES / CARACTÉRISTIQUES DU PATRIMOINE NATUREL

Significant Woodlands /  
Terrain boisé d'importance

Significant Wetlands /  
Terres humides d'importance

Significant Valleylands /  
Vallées d'importance

Earth Science ANSI / Éléments topographiques ZINS  
Vars-Winchester Esker / Esker Vars-Winchester

### SUB-DESIGNATION / SOUS-AFFECTATION

Conservation Area /  
Zone de conservation

