

















SHIRLEY'S BROOK/WATTS CREEK SUBWATERSHED STUDY

REGION OF OTTAWA-CARLTON
AND CITY OF KANATA

LEGEND

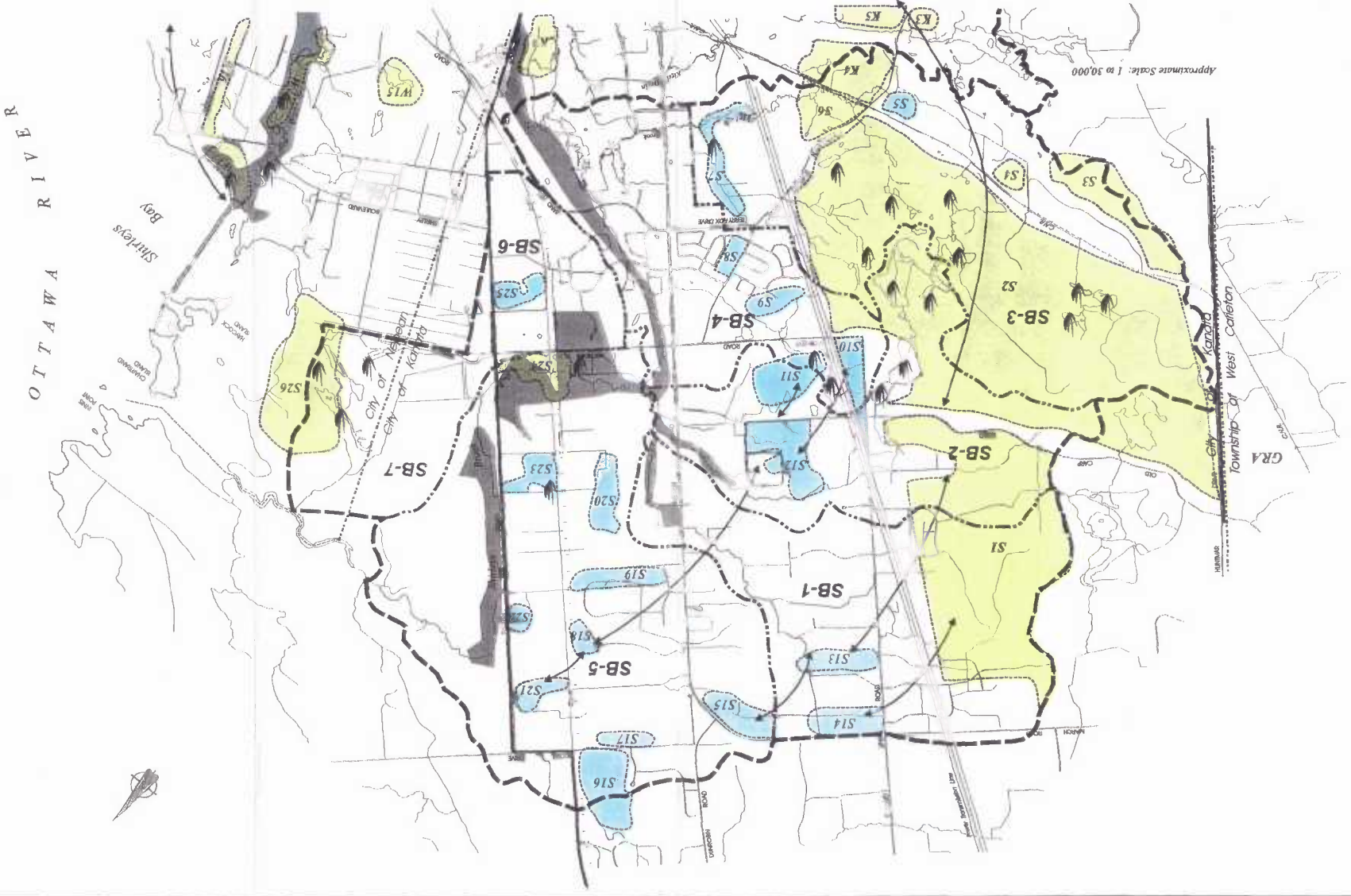
- | | | | |
|---|-----------------------|---|-----------------------|
|  | Subwatershed Boundary |  | Urban Residential |
|  | Subarea Boundary |  | Rural Residential |
|  | Watercourse/Waterbody |  | Institutional |
|  | Roads |  | Open Space |
|  | Railway |  | Forest/Woodland |
|  | Municipal Boundary |  | Industrial/Commercial |
|  | Subarea Number |  | Agriculture |
| | |  | Kanata Town Centre |

EXISTING LAND USE

	SCALE	FIGURE	PROJECT NO.
	1 : 40,000	3.1	97-4771

- Protected Natural Areas
- Natural Areas Not Protected from Development
- Valleyslands
- SB-1** Catchment Area ID
- Subwatershed Boundary
- Wildlife Corridor
- Wetlands

Shirley's Brook
Subwatershed
Location of Natural Areas
Figure 3.3a



SB-1 Catchment Area ID
 Protected Natural Areas
 Natural Areas Not Protected from Development
 Valleylands
 Catchment Area ID

Subwatershed Boundary
 Catchment Area Boundary
 Wildlife Corridor
 Wetlands

Approximate Scale: 1 to 30,000

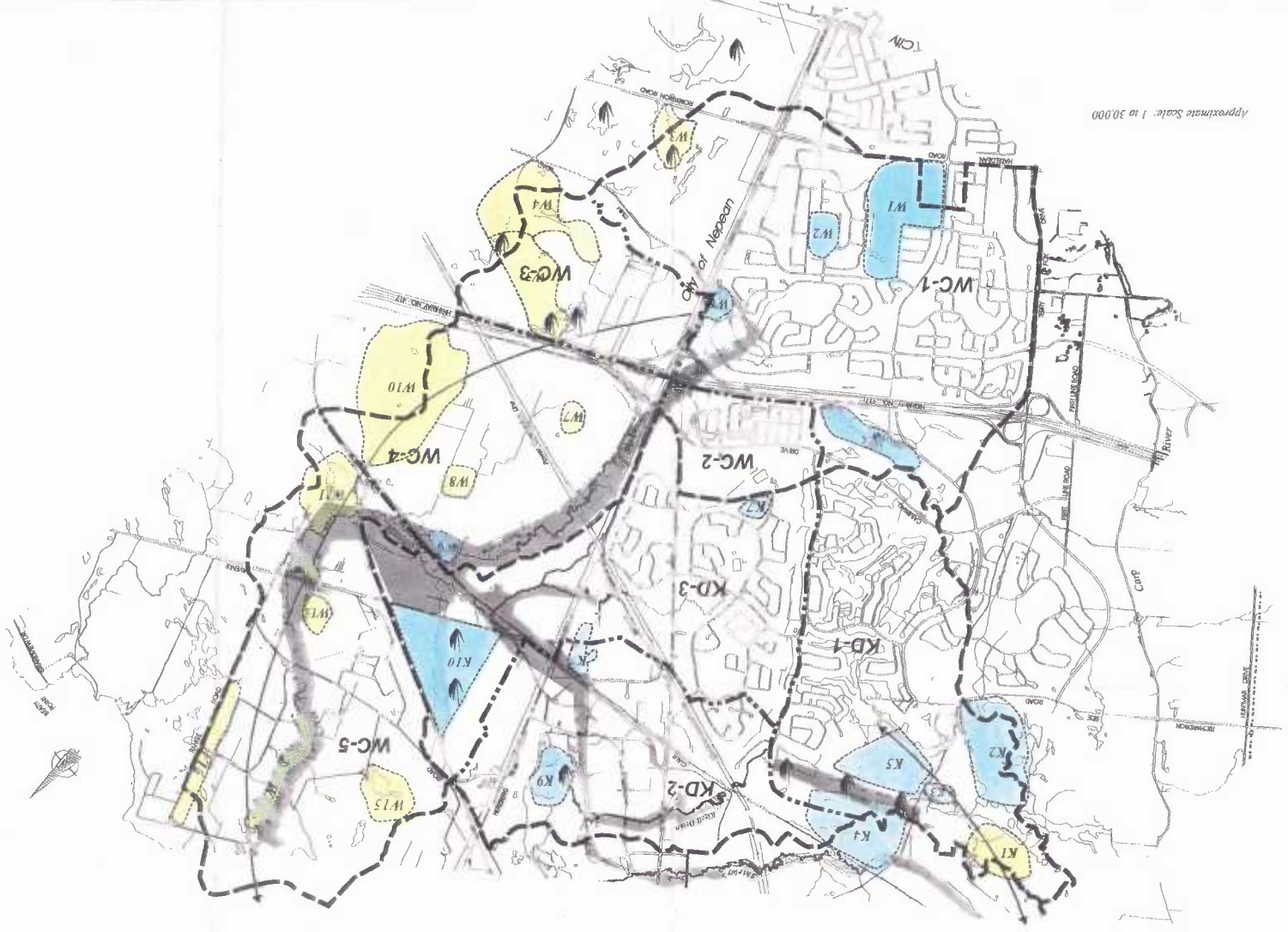
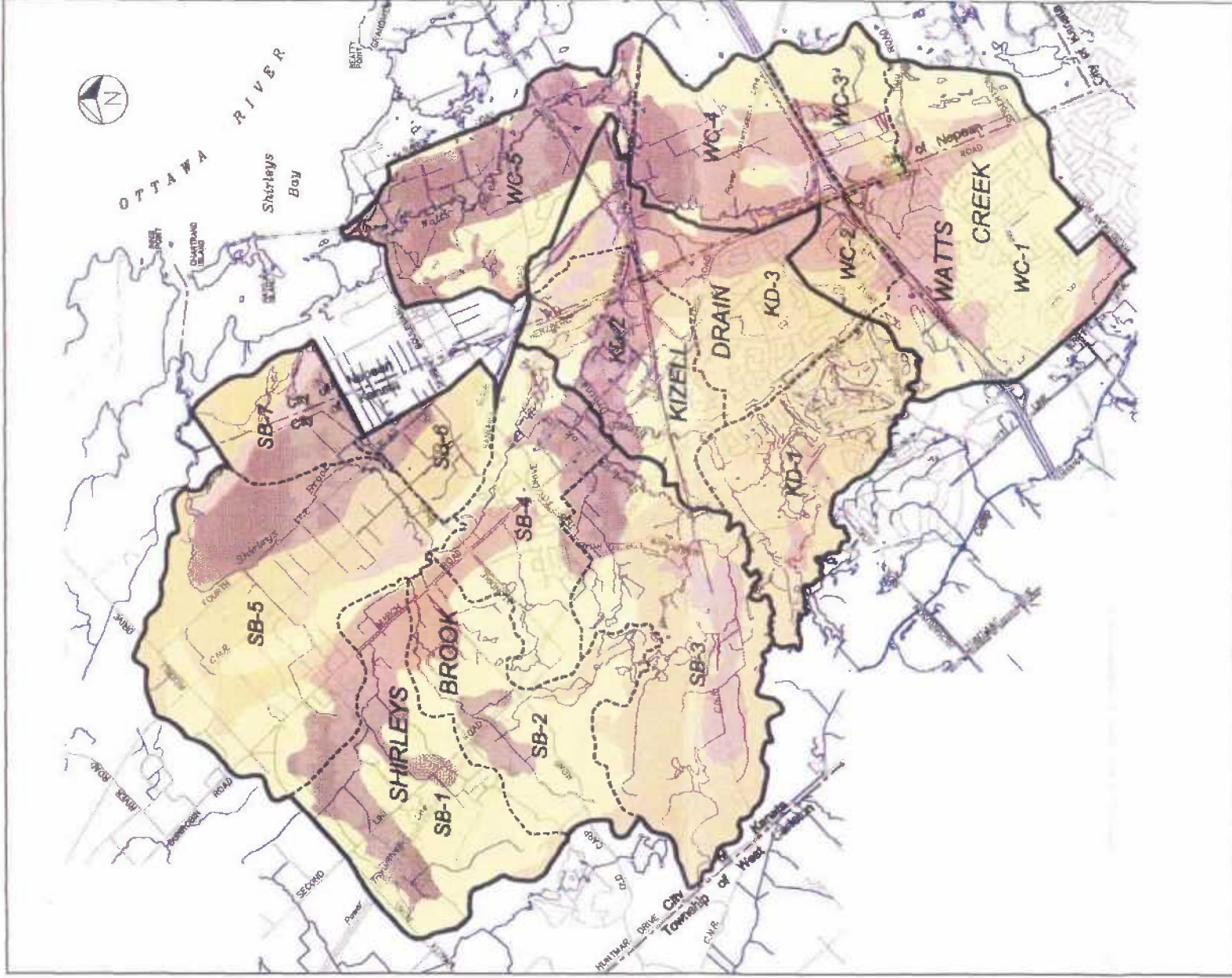


Figure 3.3b
 Location of Natural Areas
 Subwatershed
 Wat's Creek



SHIRLEYS BROOK/WATTS CREEK SUBWATERSHED STUDY

REGION OF OTTAWA-CARLTON AND CITY OF KANATA

LEGEND

- Watershed Boundary
- - - Subarea Boundary
- - - Watercourse/Ditch/Pond
- Roads
- Railway
- Municipal Boundary
- SB-1** Subarea Number

- Soil Textural Types:
- Sand/Gravel
 - Sandy Loam
 - Sandy Loam to Silty Loam
 - Silty Loam
 - Silty Loam to Clay Loam
 - Clay

- Hydrologic Soil Group
- A
 - AB
 - B
 - BC
 - C
 - D

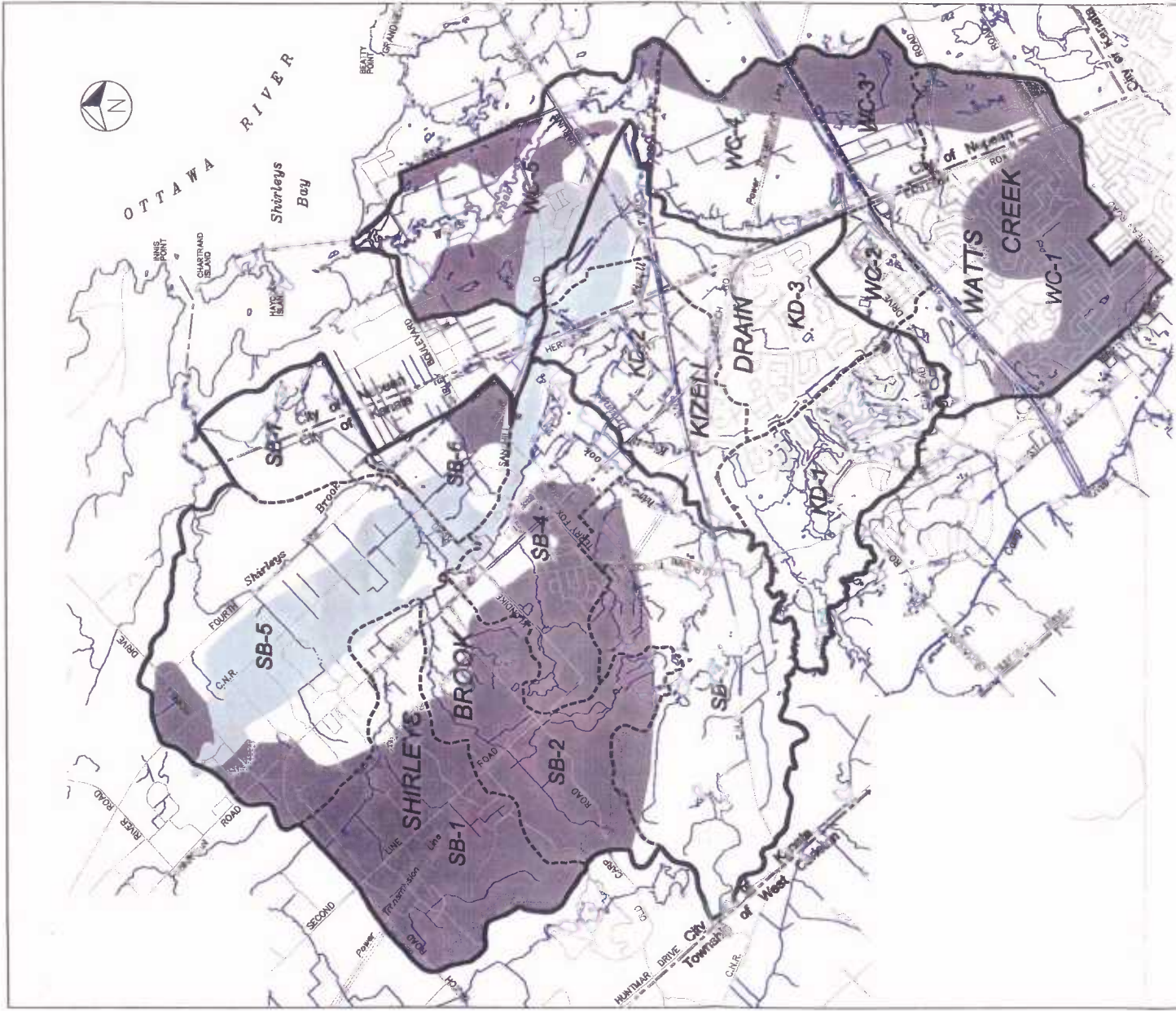
SURFICIAL SOILS



SCALE: 1 : 40,000

FIGURE 3.4

PROJECT NO. 97-4771



SHIRLEYS BROOK/WATTS CREEK SUBWATERSHED STUDY

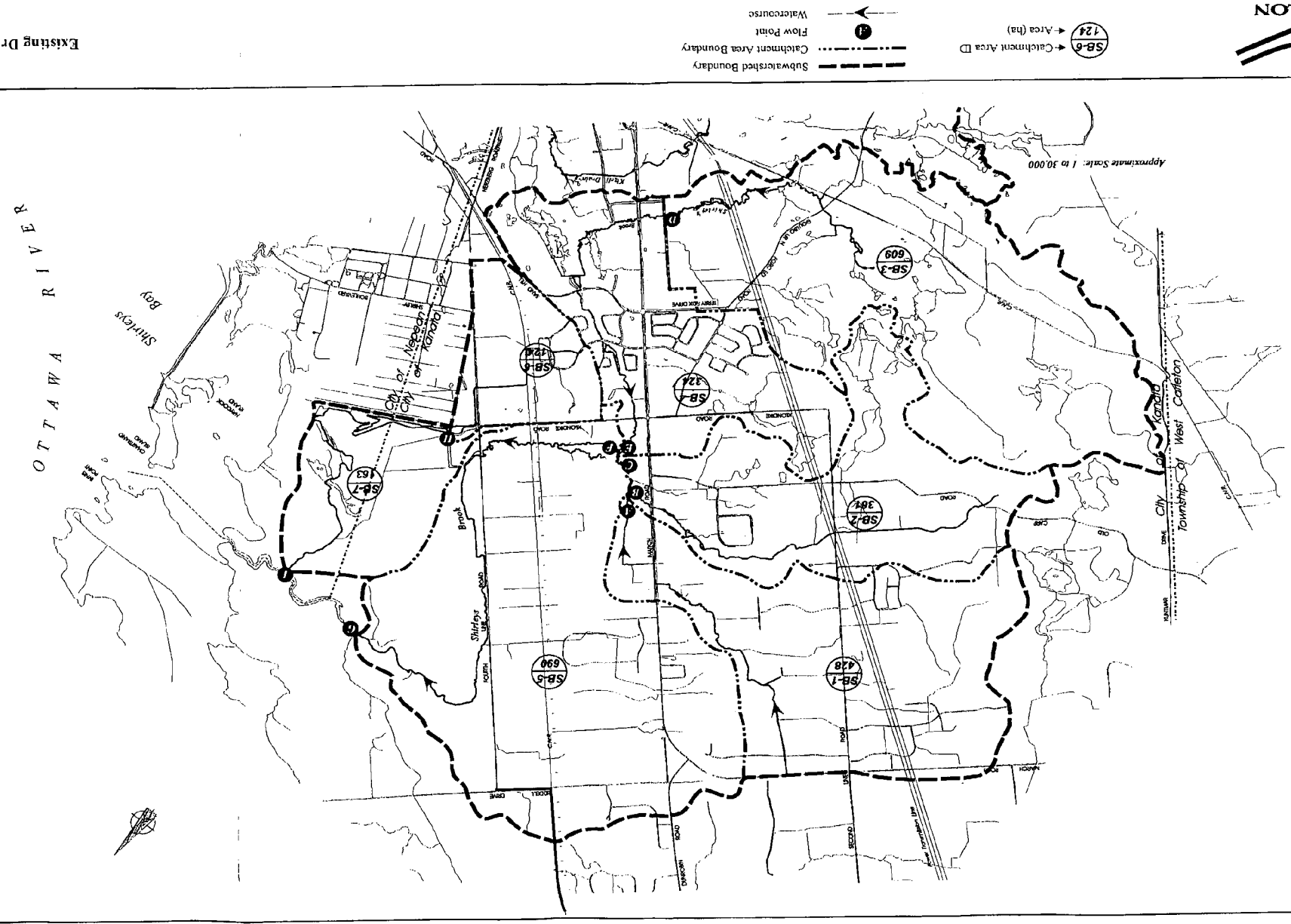
REGION OF OTTAWA-CARLTON
AND CITY OF KANATA

- LEGEND**
- Subarea Boundary
 - Watershed Boundary
 - Watercourse/Ditch/Pond
 - Roads
 - Railway
 - Municipal Boundary
 - Subarea Number
 - Bedrock Groundwater Recharge Area
 - Overburden Recharge (Infiltration) Area

RECHARGE/INFILTRATION AREAS

	SCALE	FIGURE	PROJECT NO.
	1 : 40,000	3.5	97-4771

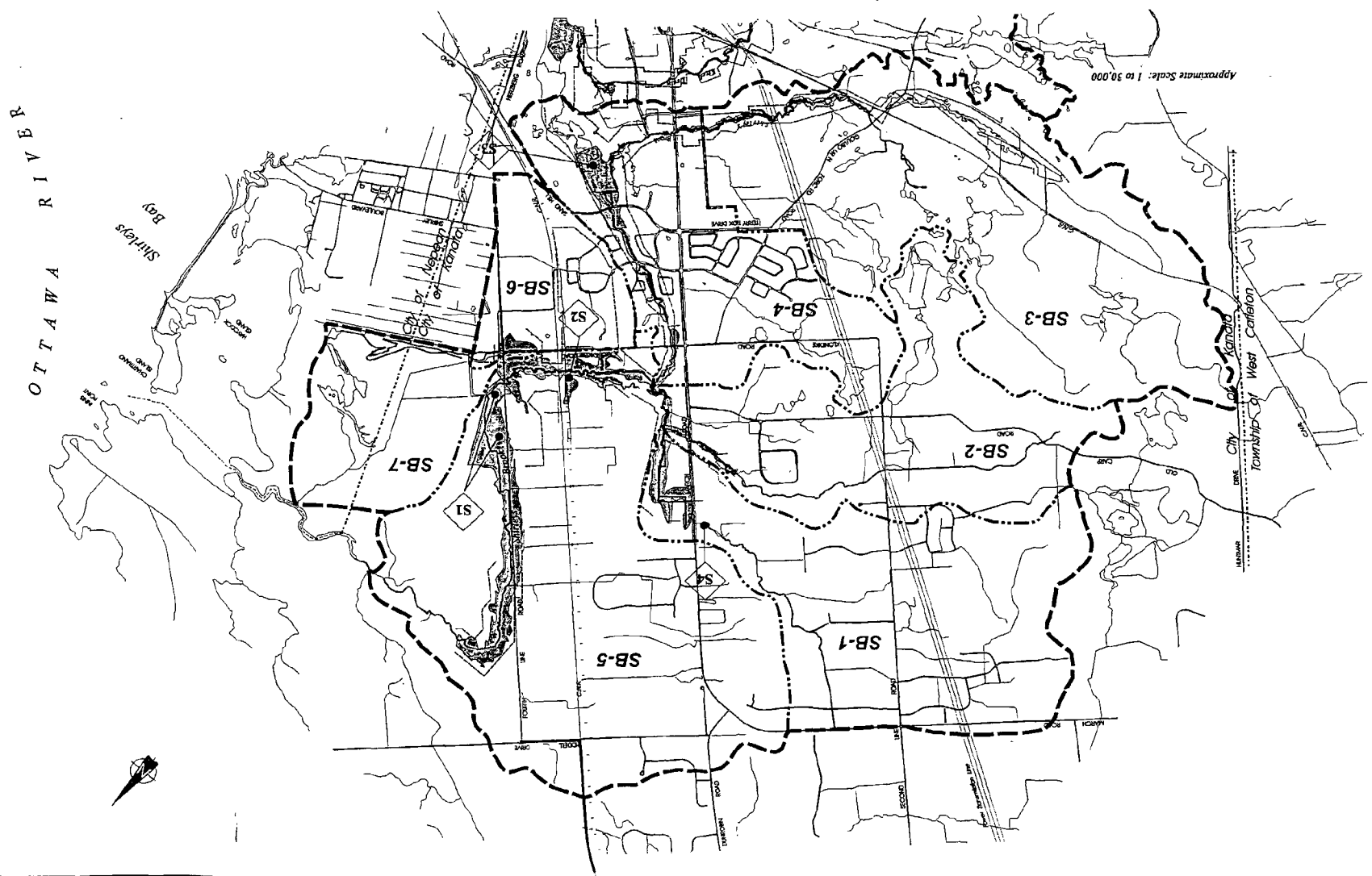
Shirley's Brook
Subwatershed
Existing Drainage Conditions
Figure 3.6a



S1 Flood Susceptible Area (Refer to Section 3.8.8)
SB-1 Catchment Area ID
 100-Year Floodplain (1989)*
 Fill Line (1989)*
 Catchment Area Boundary
 Watershed Boundary

*Floodplain and Fill Lines are approximate. MCA floodplain mapping should be referred to for the precise boundary.

Shirley's Brook Subwatershed Existing Floodplain Mapping and Flood Susceptible Areas
Figure 3.9a



Approximate Scale: 1 to 30,000

OTTAWA RIVER

Shirley's Brook

City of West Carleton
Township of West Carleton

