



Ottawa-Carleton

# Shirley's Brook and Watts Creek Subwatershed Study

*Main Report*

*September 1999*

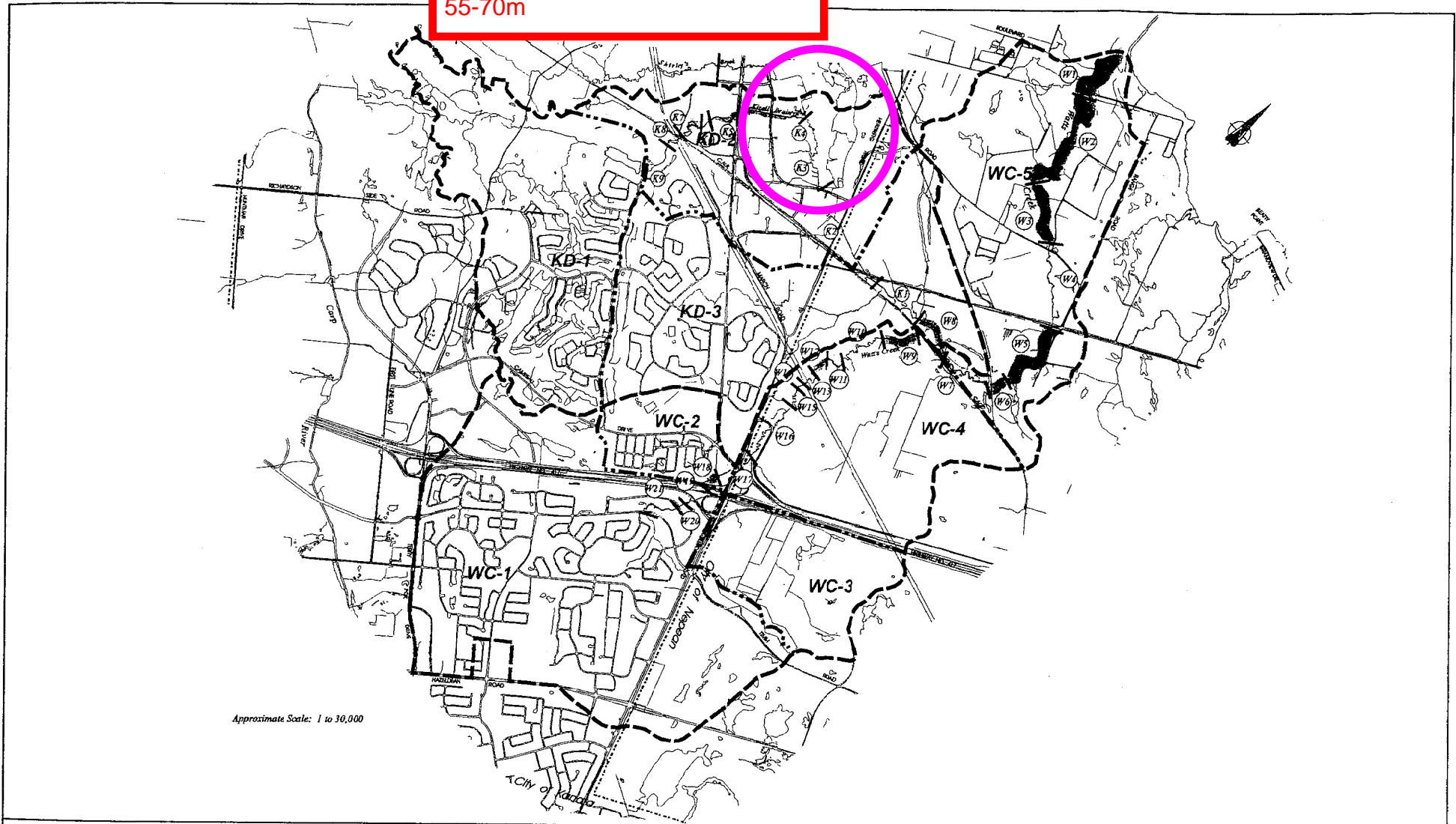
*Submitted by*



**DILLON**  
CONSULTING



Subwatershed Plan  
recommended Kizell Drain  
Meander Belt Width should be  
55-70m



Approximate Scale: 1 to 30,000



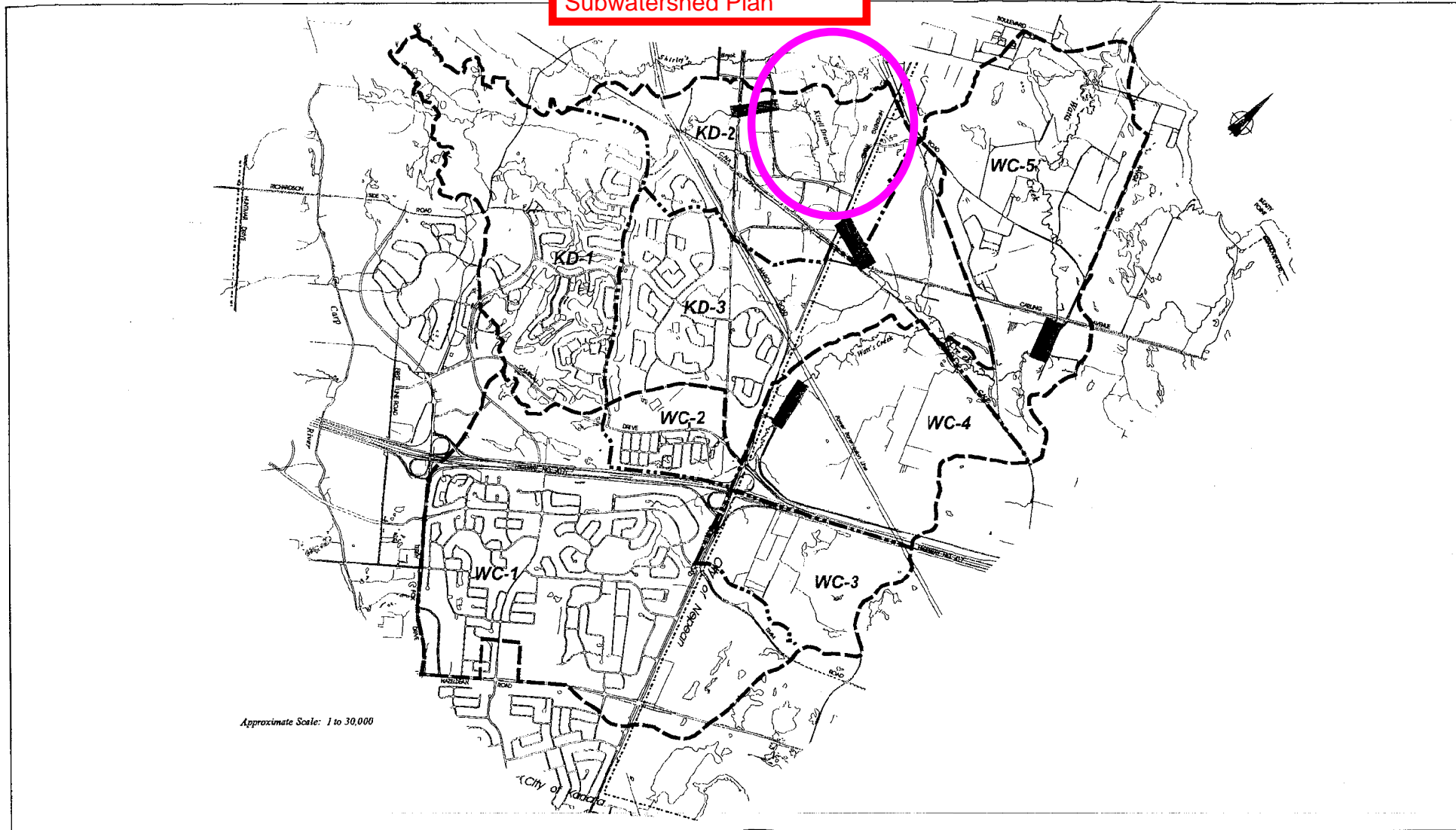
- Subwatershed Boundary
- .... Catchment Area Boundary
- Limit of Meander Reach
- (S1) Reach Identification Numbers (Refer to Annex C-5 in Appendix C)
- WC-1 Catchment Area ID

*Class of Meander Belt Widths (Not To Scale)*

over 100 m	40 m to 55 m
85 m to 100 m	25 m to 40 m
70 m to 85 m	under 25 m
55 m to 70 m	

Watt's Creek  
Subwatershed  
Meander Belt Widths  
Figure 7.2b

Note:  
No Channel  
Restoration  
Recommendation in  
Subwatershed Plan



Approximate Scale: 1 to 30,000



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Proposed Channel  
Restoration  
WC-1 Catchment Area ID

Subwatershed Boundary  
Catchment Area Boundary

Watt's Creek  
Subwatershed  
Proposed Channel Restoration Locations

Figure 7.1b

Note:  
Floodplain  
Regulated Area

Table 7.2 Feature K9  
(Located in area of large floodplain destroyed by  
development and channelization)

- Area has diverse wetland community (Marsh, Swamp) as a result of beaver activity, which does not require enhancement
- Preserve area as much as possible, especially along Watts Creek [?] corridor,

Top of Page 7-42 in Report:

"For the most part, many components necessary for the management of flood hazard within Shirley's Brook/Watt's Creek Subwatershed are already in-place. This includes: the MVCA's previously prepared flood line mapping of ... Kizell Drain to denote hazards associated with flooding...."

Approximate Scale: 1 to 33,000



--- Watershed Boundary  
--- Catchment Area Boundary  
--- Fill Line (1989)\*  
100-Year Floodplain (1989)\*

SI Flood Susceptible Area  
(Refer to Section 3.8.8)  
WC-1 Catchment Area ID

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

Watt's Creek Subwatershed  
Existing Floodplain Mapping and Flood Susceptible Areas

Figure 3.9b