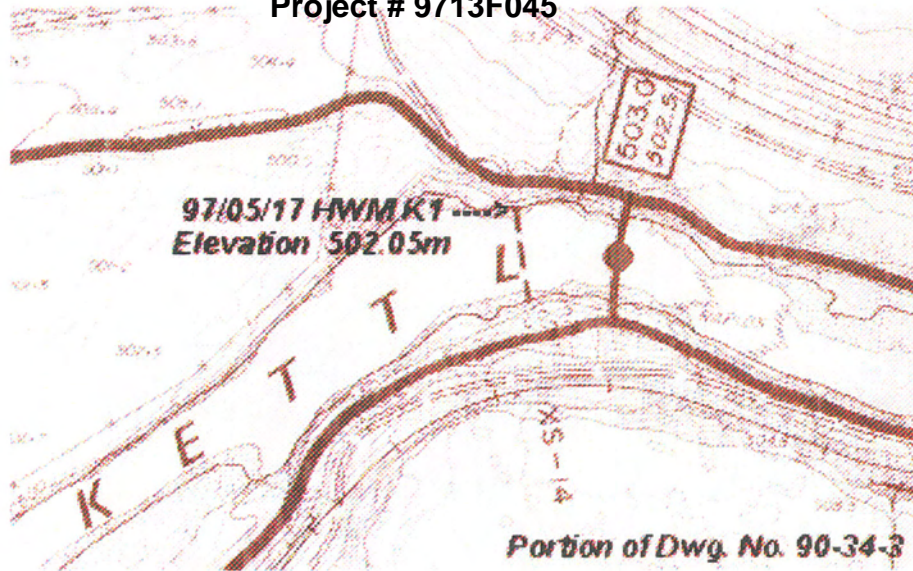


NOTE:

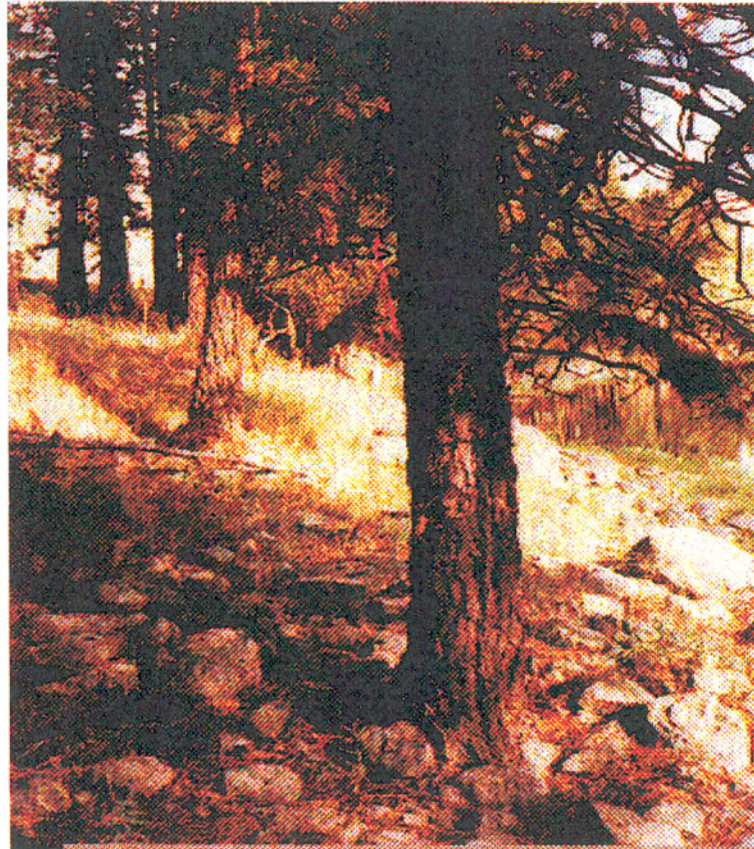
This information is considered historical as it represents channel conditions and configuration at the time of the survey only. User must accept responsibility of ensuring that the accuracy and completeness of provided data is suitable for the needs of the project or study. It is provided "as is" without warranty of any kind, whether express or implied. Under no circumstances will the Government of British Columbia be liable to any person or business entity for any direct, indirect, special, incidental, consequential, or other damages based on any use of this information.

Kettle & Granby Rivers @ Grand Forks 97/05/17 High Water Elevations

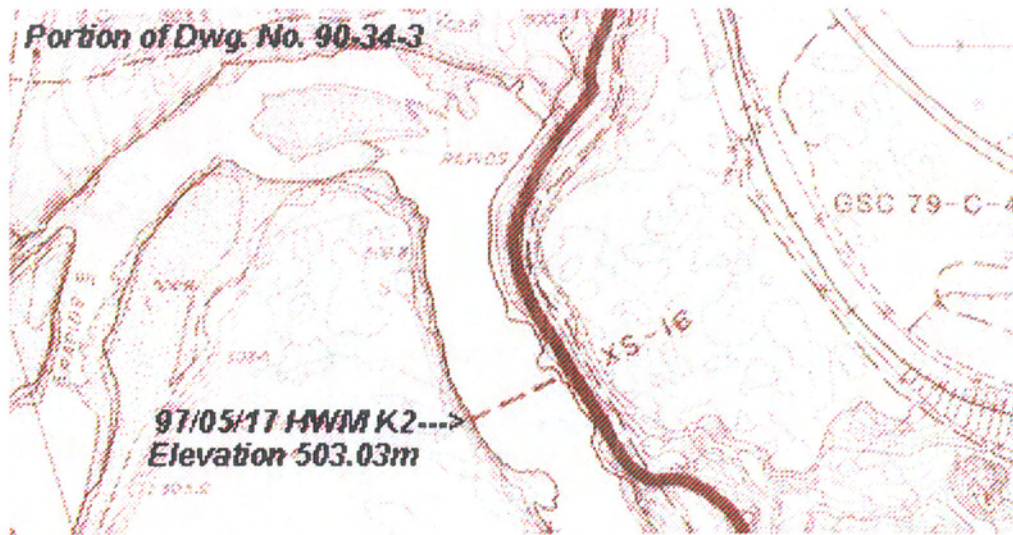
Project # 9713F045



HWM K1 located on leftbank of Kettle River at Cross section 14
Elevation = 502.05 metres



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**

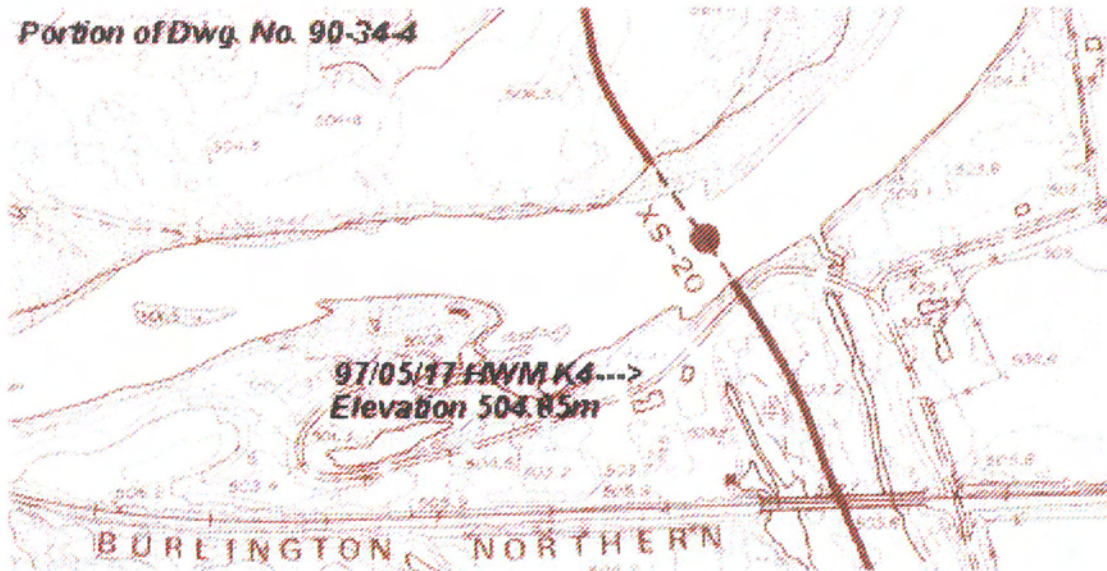


**HWM K2 located on rightbank of Kettle River at Cross Section 16
Elevation = 503.03 meteres**



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

Project # 9713F045

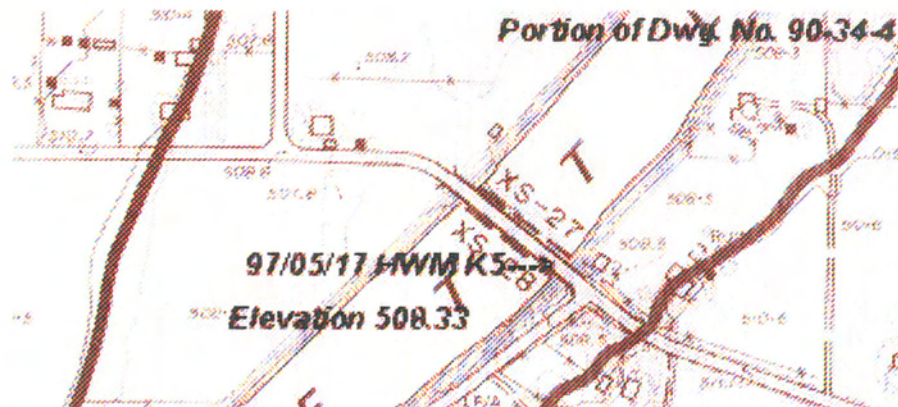


HWM K4 located on rightbank of Kettle River, 90 metres upstream of Cross section 20. Elevation = 504.85 metres

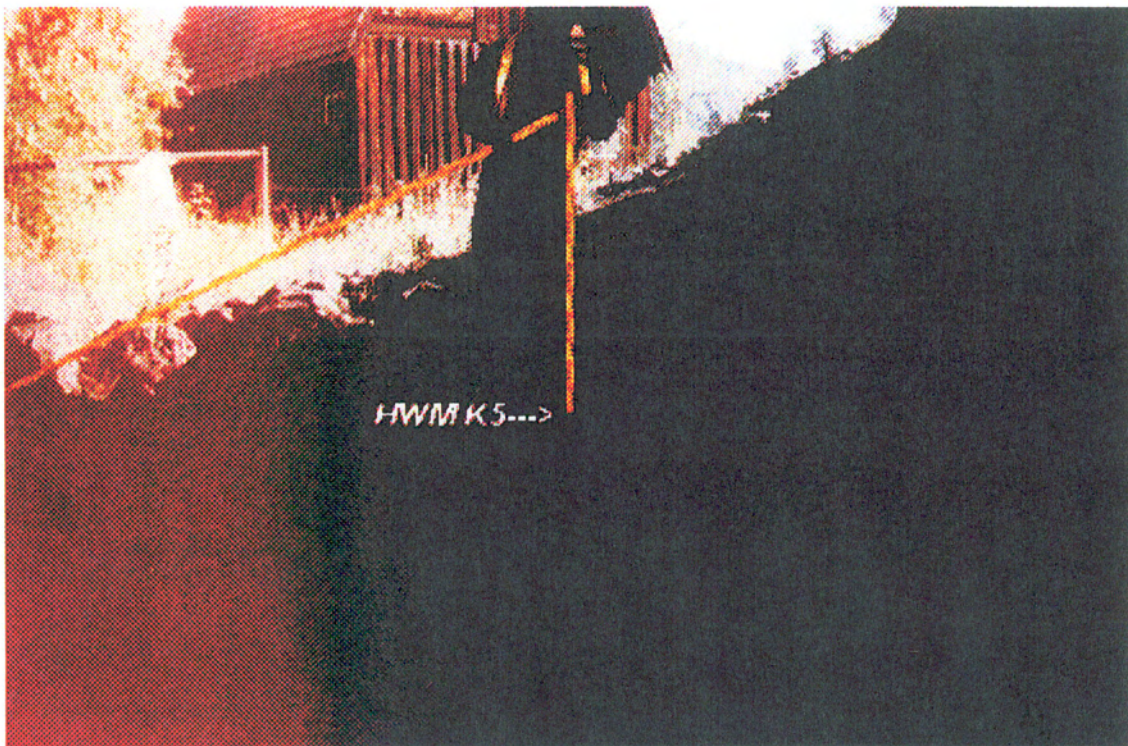


**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

Project # 9713F045

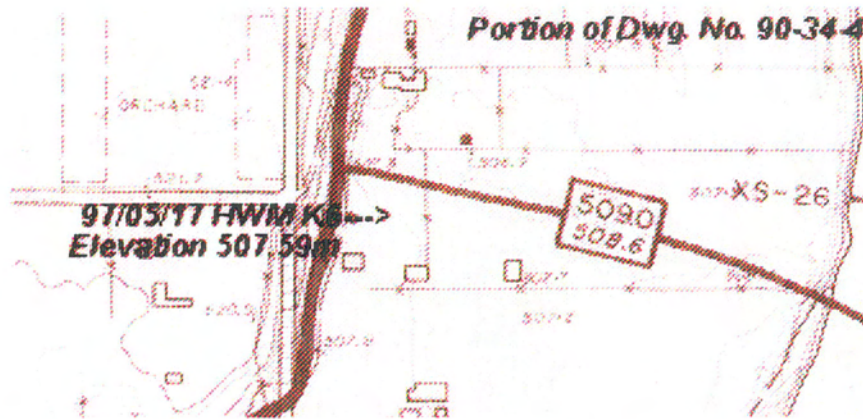


**HWM K5 located on rightbank of Kettle River at Cross section 27
Elevation = 508.33 metres**



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

Project # 9713F045



**HWM K6 located on leftbank of Kettle River at Cross section 26
Elevation = 507.59 metres**



Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045



View of flooded area east of Whitehall Road near Cross section 26 (Note: HWM K6 is located along fenceline as indicated).

Project # 9713F045
Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations

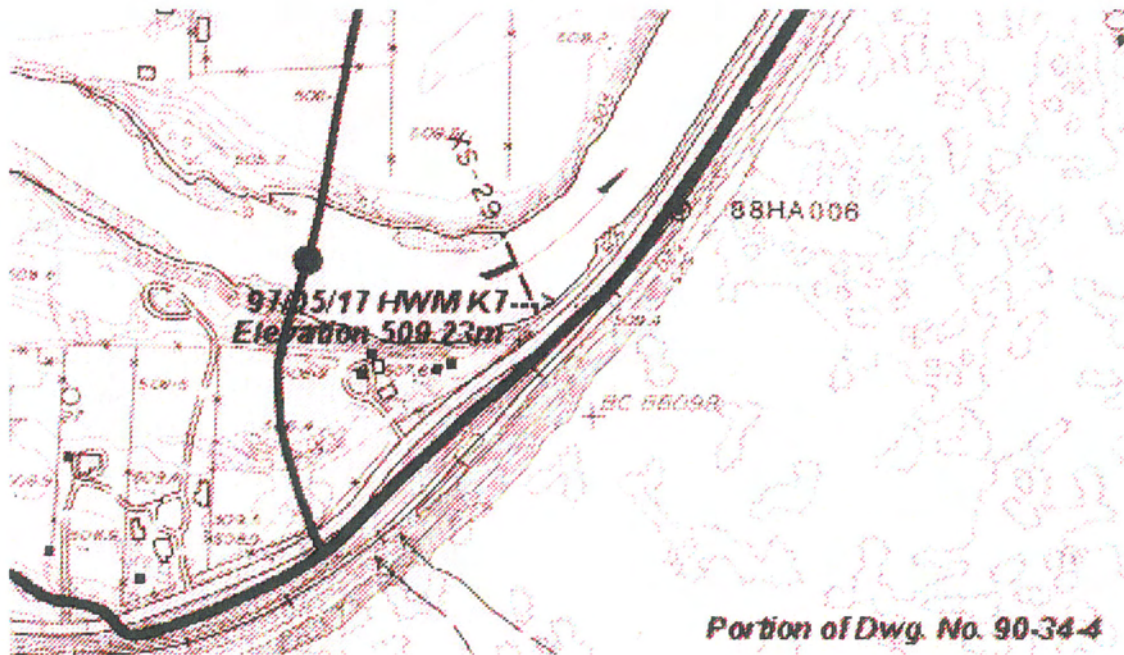


Emergency floodproofing-leftbank of Kettle River near Cross section 26 (HWM K6)



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

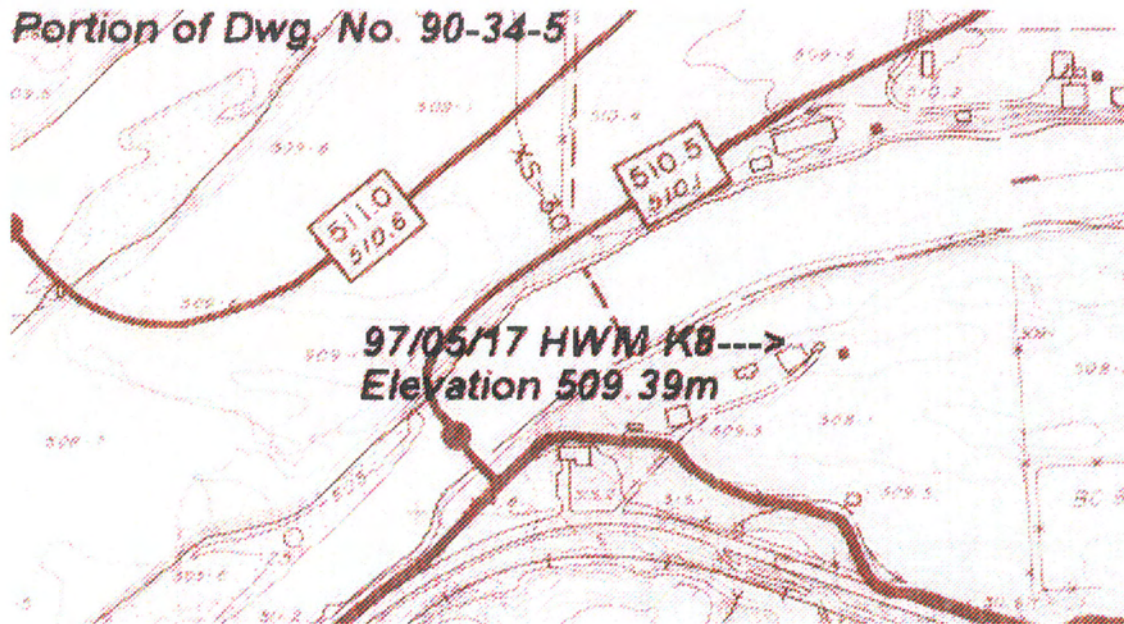
Project # 9713F045



**HWM K7 located on rightbank of Kettle River, 30 metres downstream of
Cross section 29. Elevation = 509.23metres**



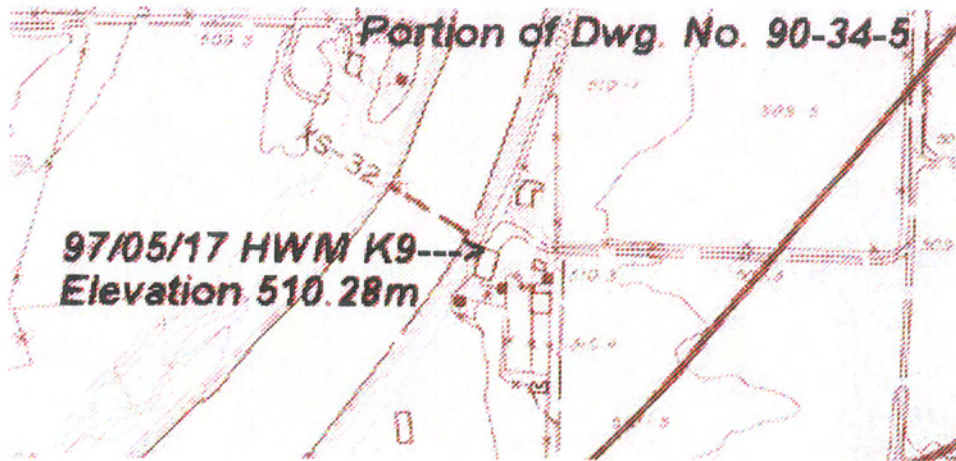
Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045



**HWM K8 located on rightbank of Kettle River , 100 metres downstream of
Cross section 30. Elevation = 509.39 metres**



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**

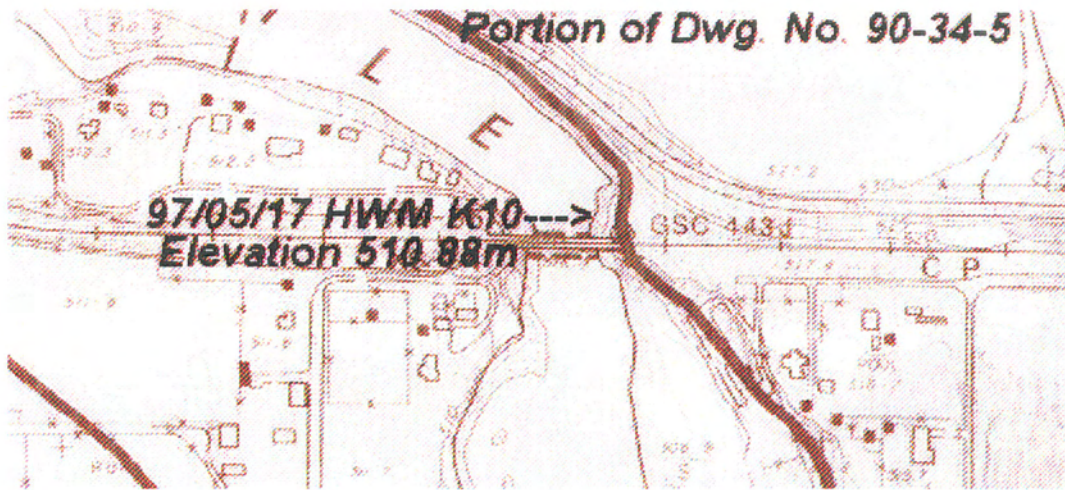


**HWM K9 located on leftbank of Kettle River at Cross section 32
Elevation 510.28 metres**



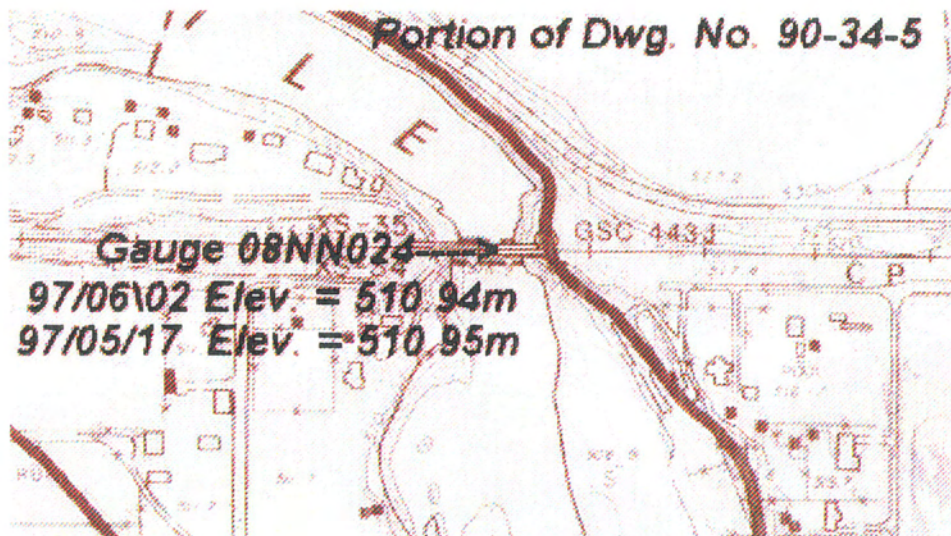
**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

Project # 9713F045



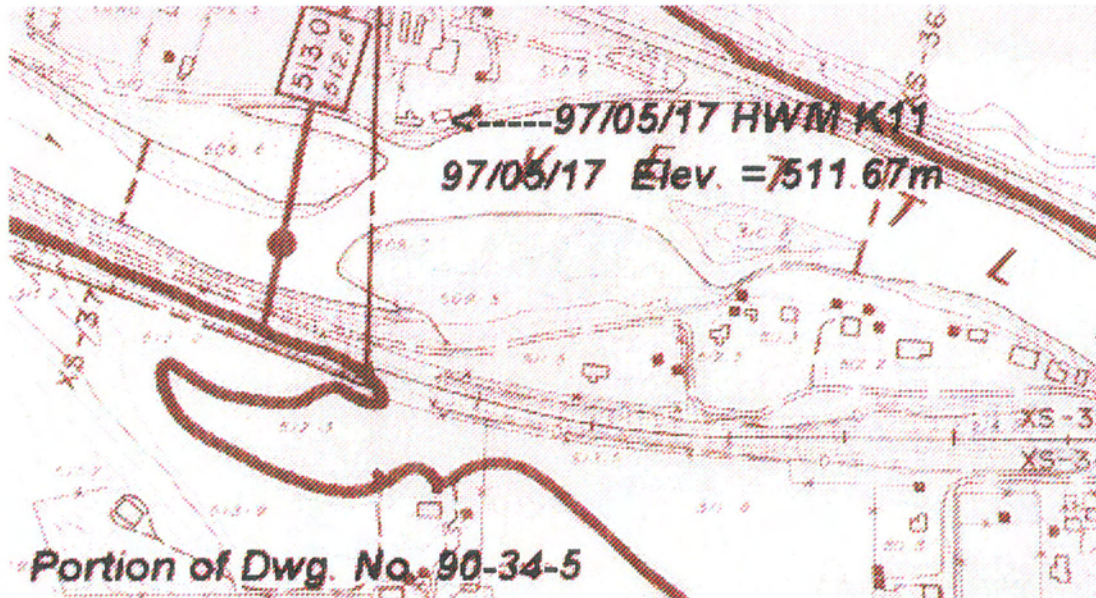
HWM K10 located on leftbank of Kettle River, 20 metres upstream of Cross Section 35.
Elevation = 510.88 metres

No Photos available

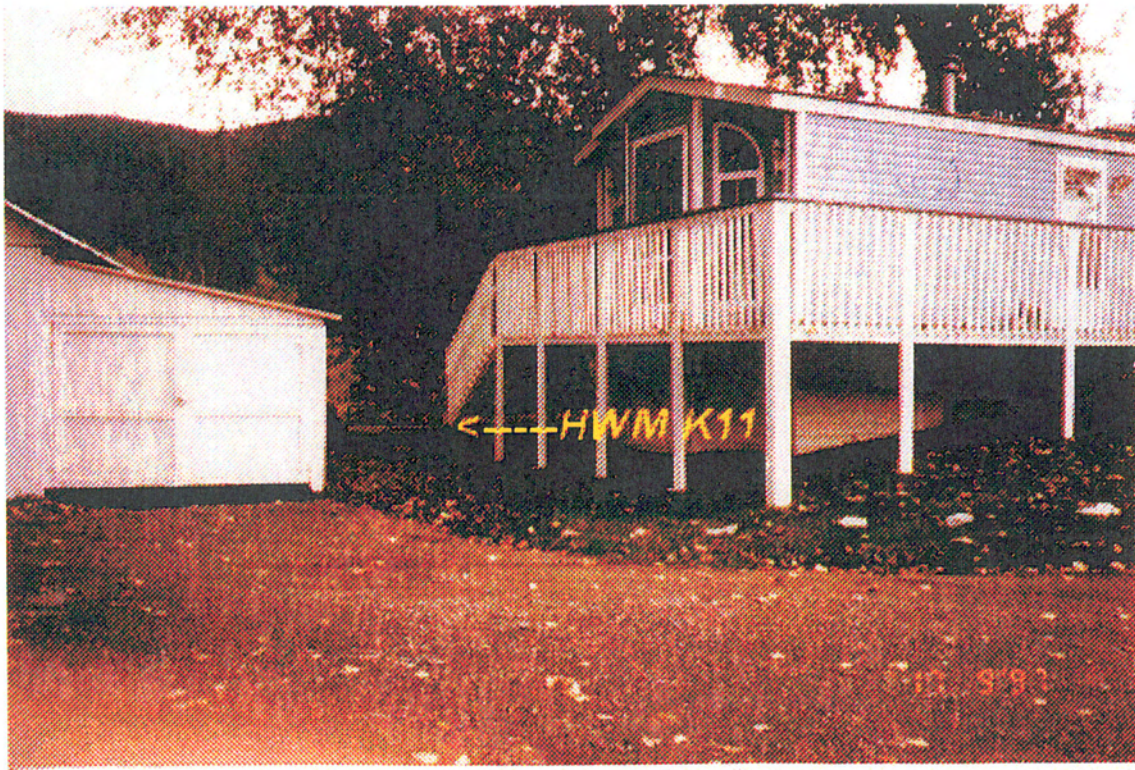


HWM's obtained from readings at Gauge 08NN024
97/05/17 Elevation = 510.95 metres
97/06/02 Elevation = 510.94 metres

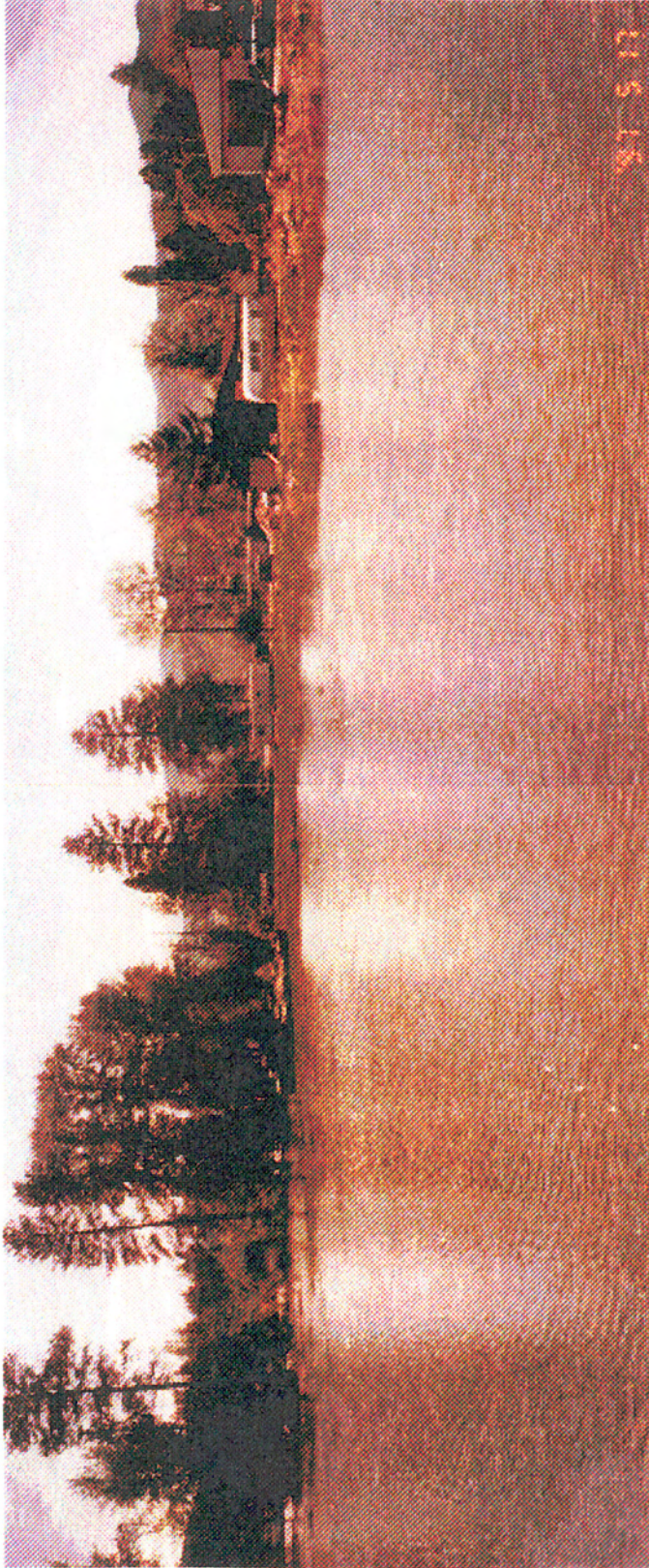
**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**



HWM K11 located on leftbank of Kettle River between Cross section
36 & 37. Elevation = 511.67 metres

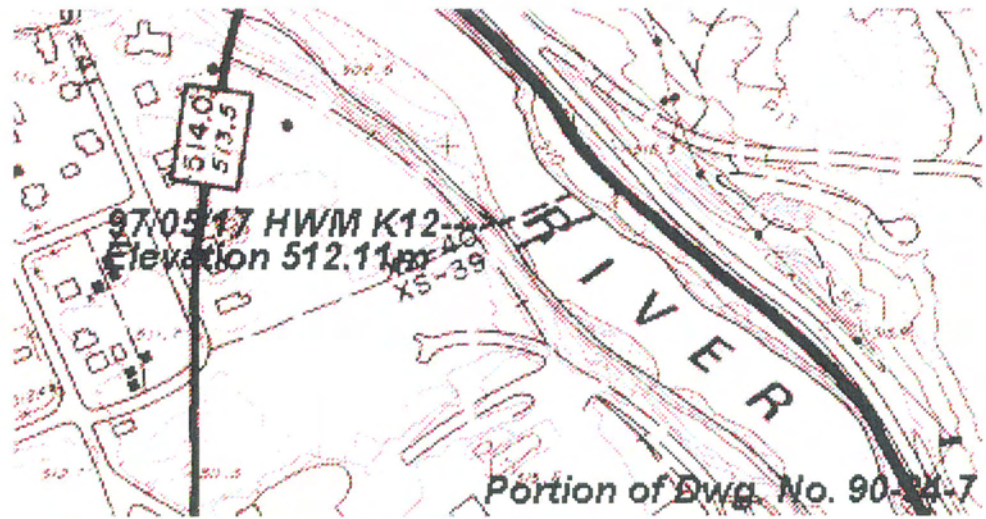


Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations



View of flooded area located on the leftbank Kettle River in the vicinity of Cross section 37 (See Drawing No: 90-34-5 & 90-34-7).

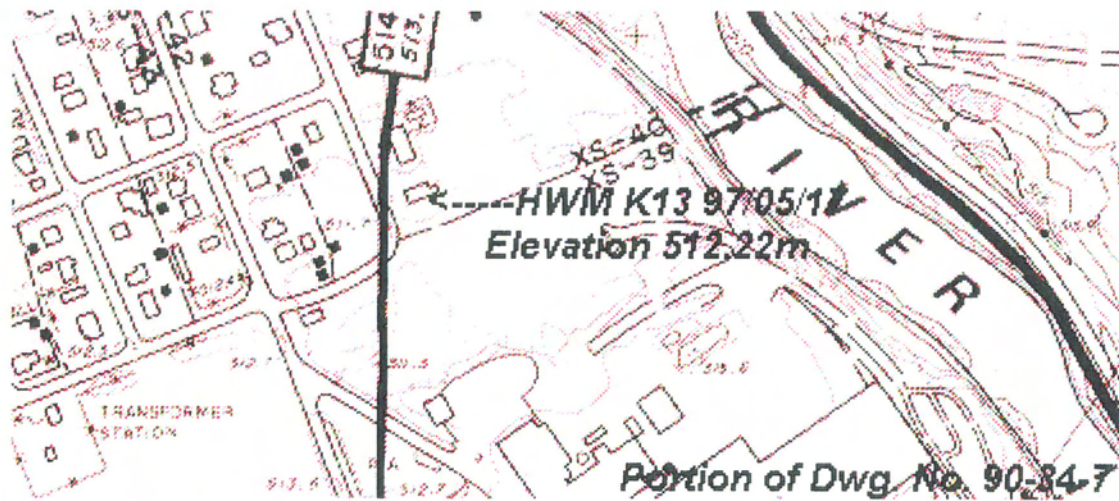
Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045



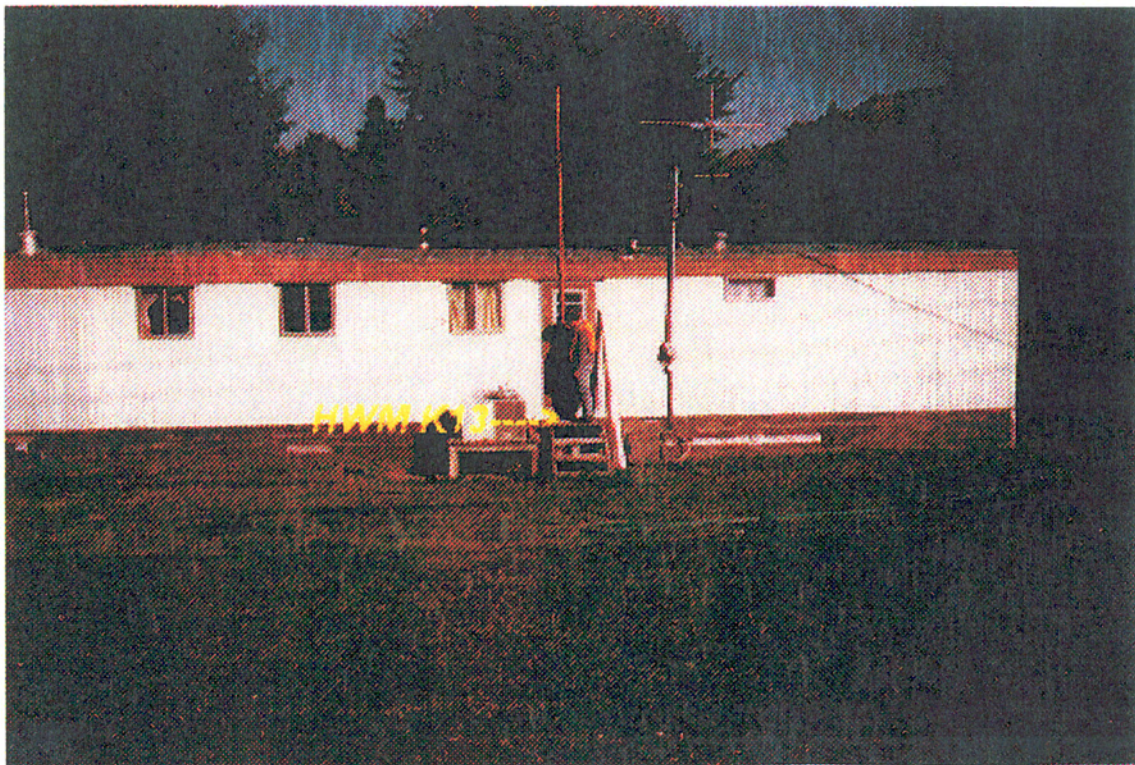
HWM K12 located on rightbank of Kettle River at Cross section 40.
Elevation = 512.11 metres



Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045



HWM K13 located on rightbank of Kettle River near Cross section 40.
Elevation = 512.22 metres



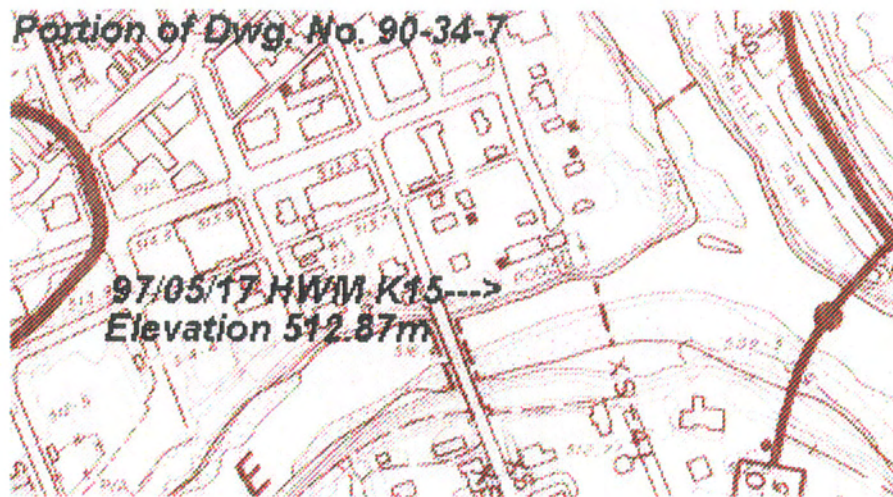
**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**



**HWM K14 located on rightbank of Kettle River at Cross section 42
Elevation - 512.80 metres**



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**



HWM K 15 located on leftbank of Kettle River, 30 metres downstream of
Cross Section 42. Elevation = 512.87 metres



Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations



View of flooding on leftbank of Kettle River immediately downstream of 2nd Street bridge between Cross section 41 & 42 (Note: HWM K15 located at downstream end of sandbagging).

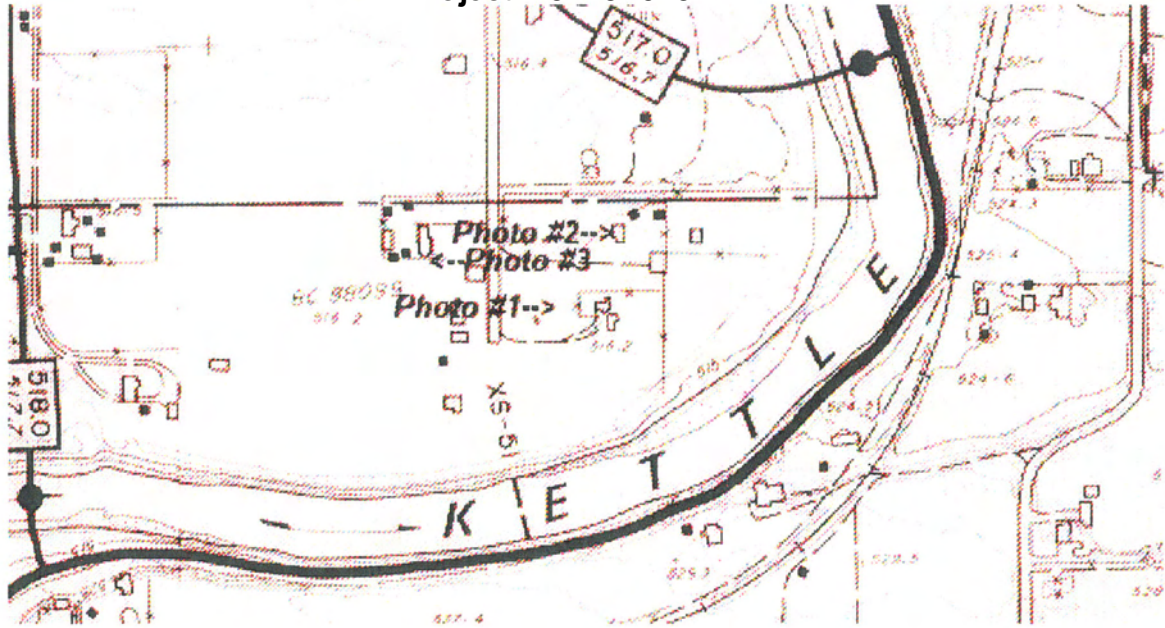
**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

Project # 9713F045



View of flooding on leftbank of Kettle River immediately upstream of 2nd Street bridge at Cross section 43.

**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**



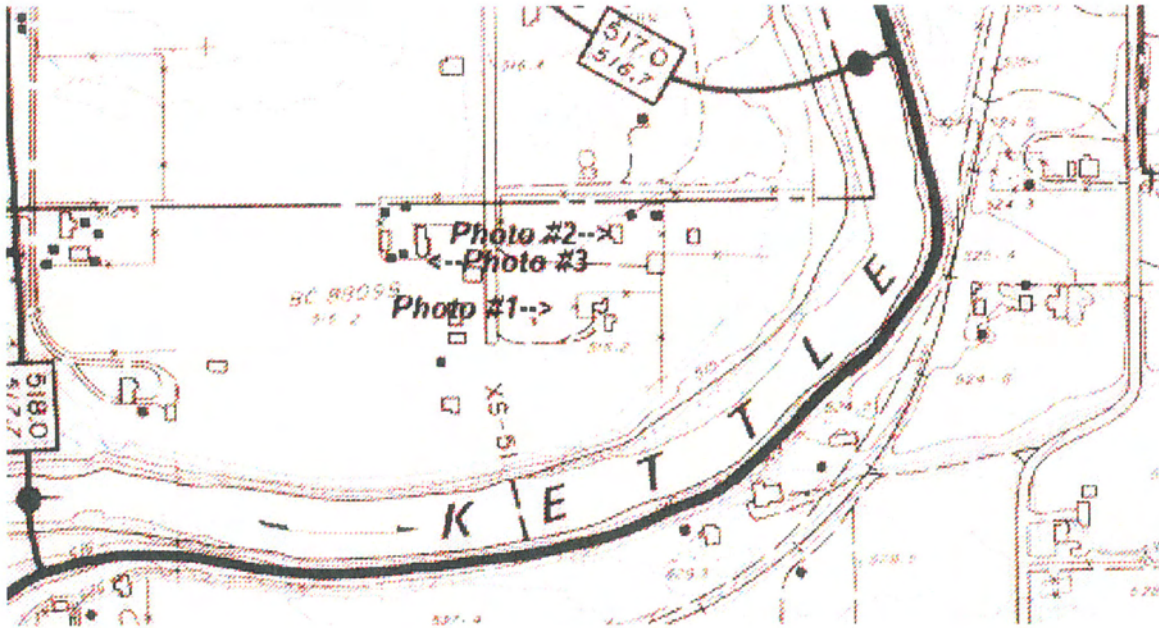
View of flooding at south end of 12th Street



Photo #1

**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

Project # 9713F045

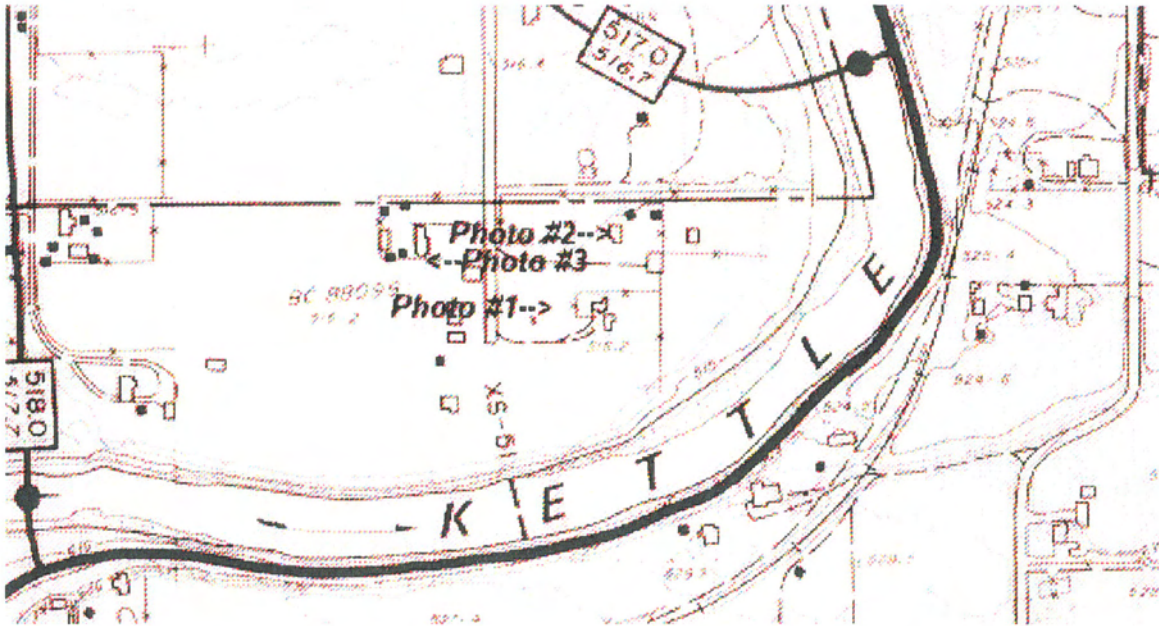


View of flooding at south end of 12th Street



Photo #2

**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**



View of flooding at south end of 12th Street

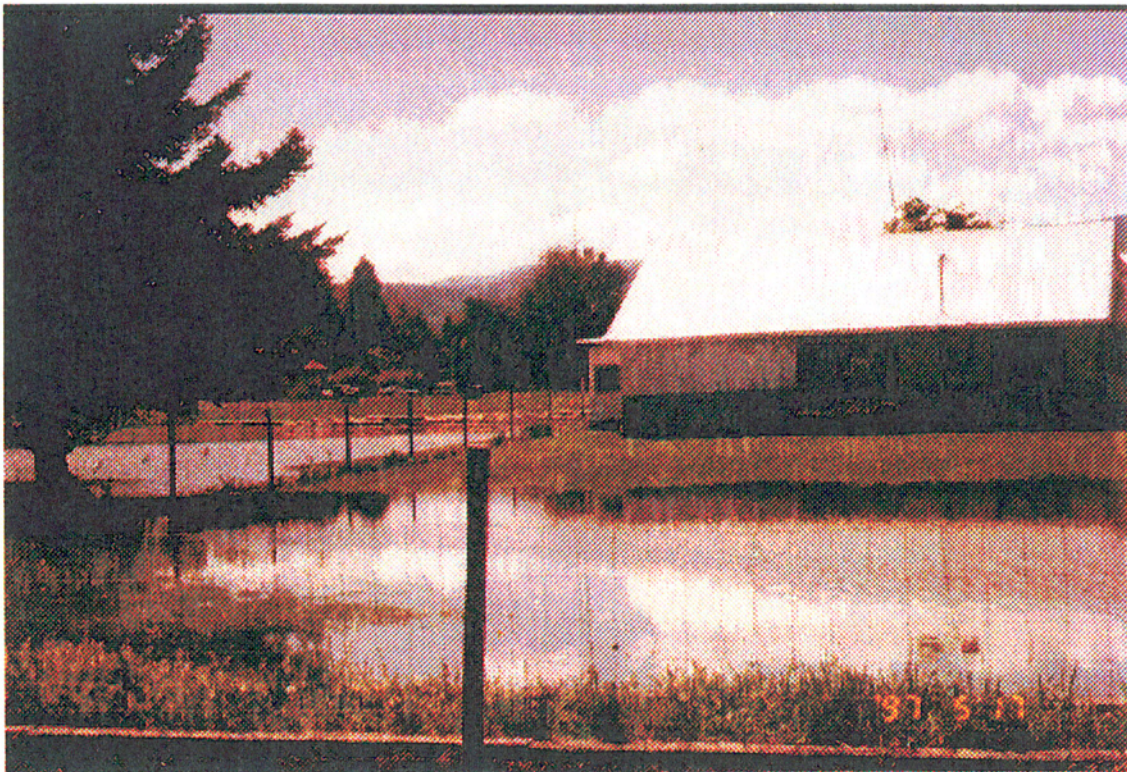


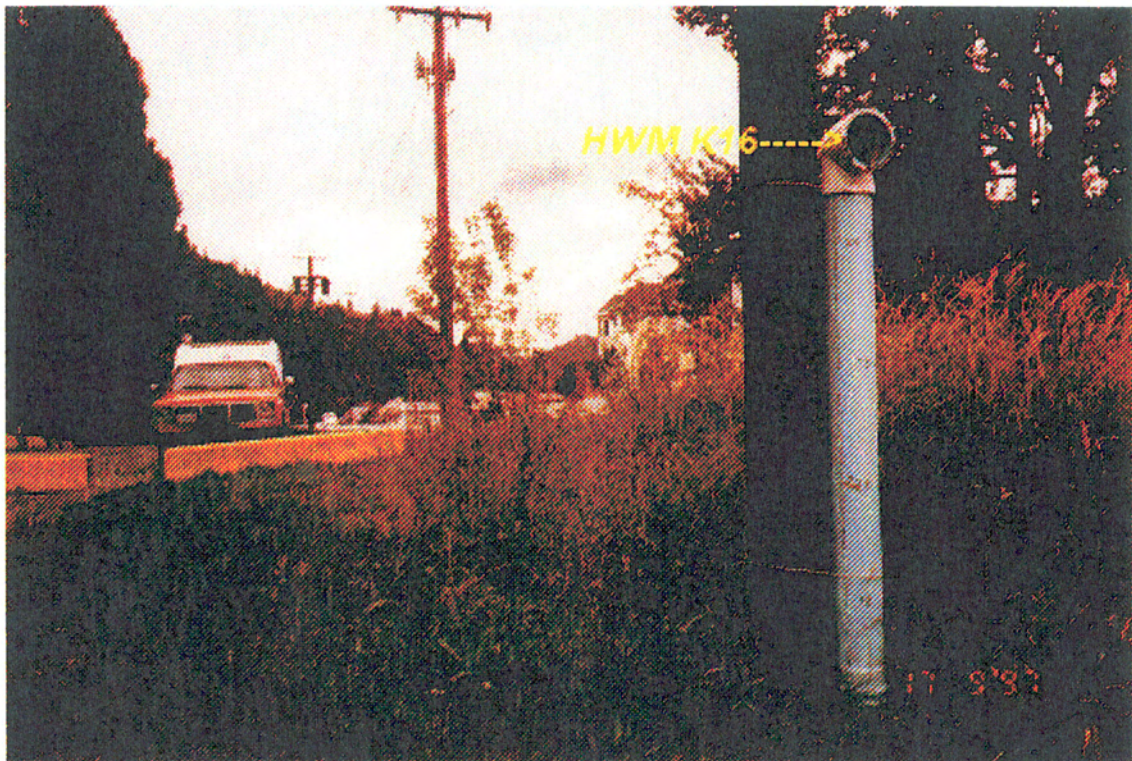
Photo #3

**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

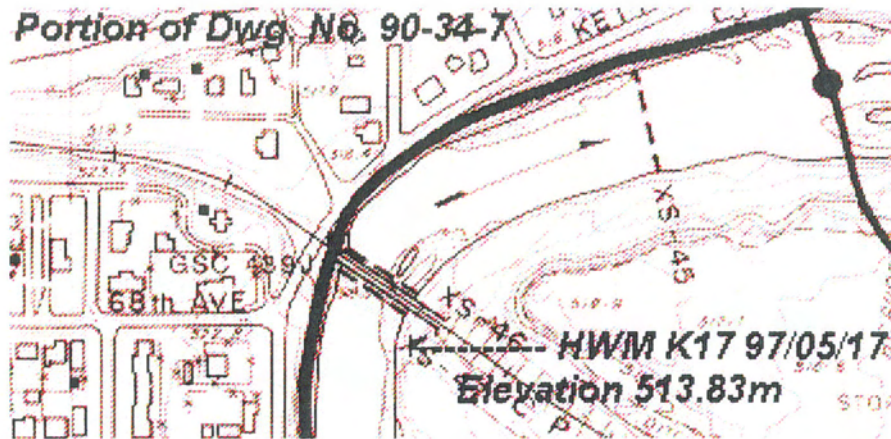
Project # 9713F045



HWM K16 located on leftbank of Kettle River midway between Cross section 43 & 44.
Elevation = 513.36 metres



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**

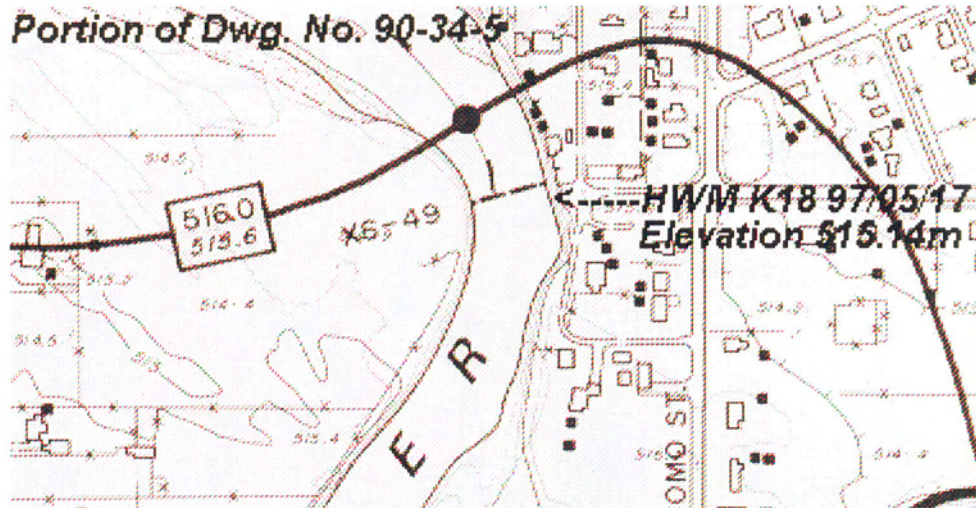


**HWM K17 located on rightbank of Kettle River, 25 metres upstream of
Cross section 47.
Elevation = 513.83 metres**



Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations

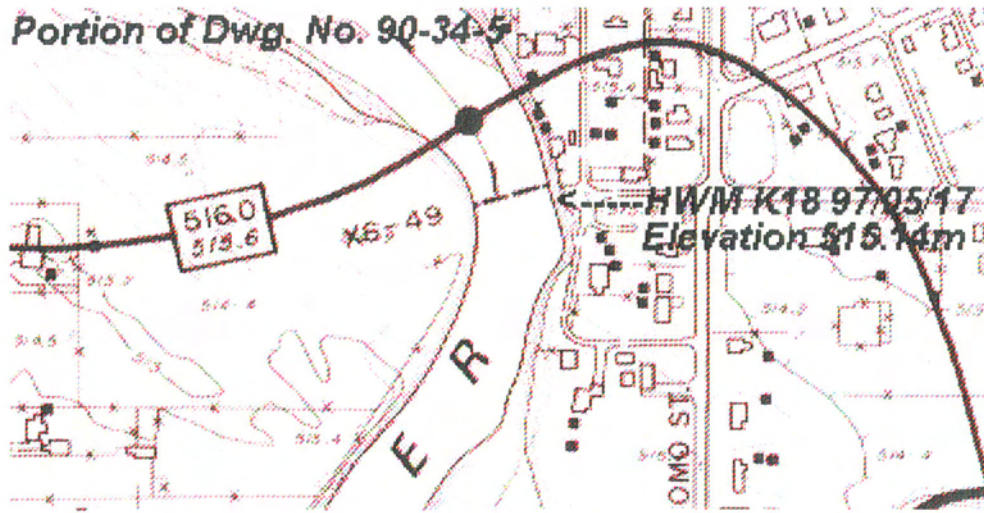
Project # 9713F045



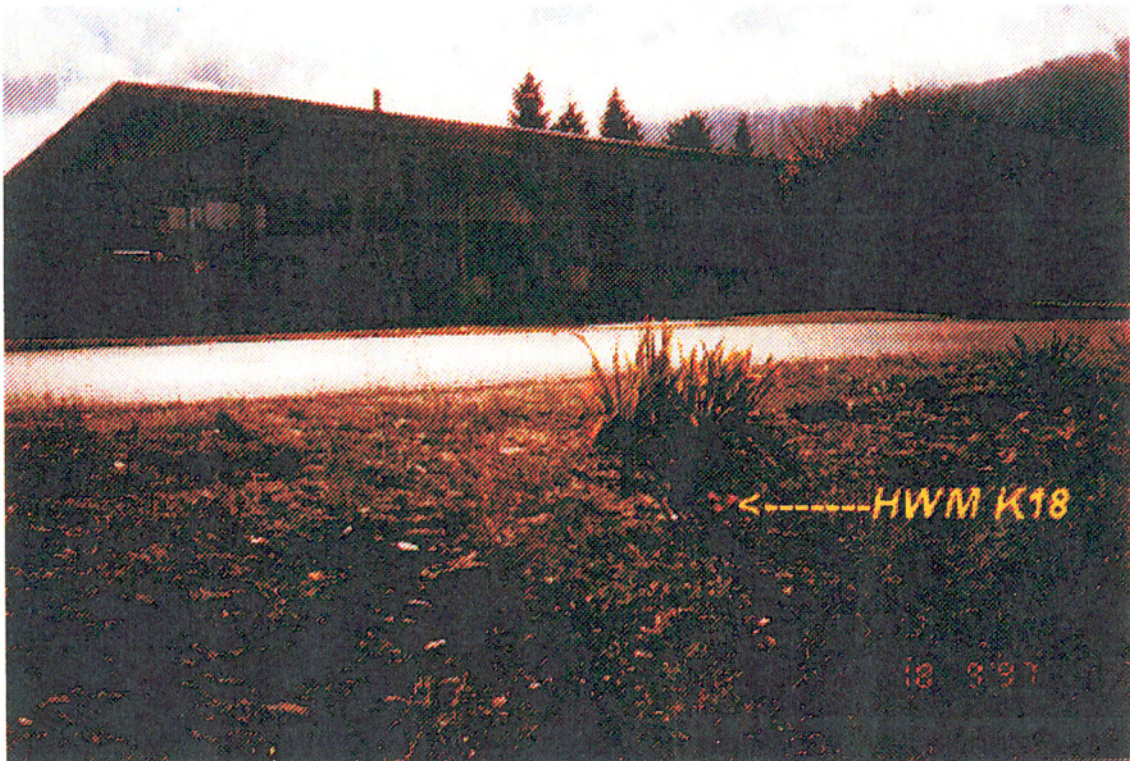
HWM K18 located on the rightbank of Kettle River at Cross section 49.
Elevation = 515.14 metres



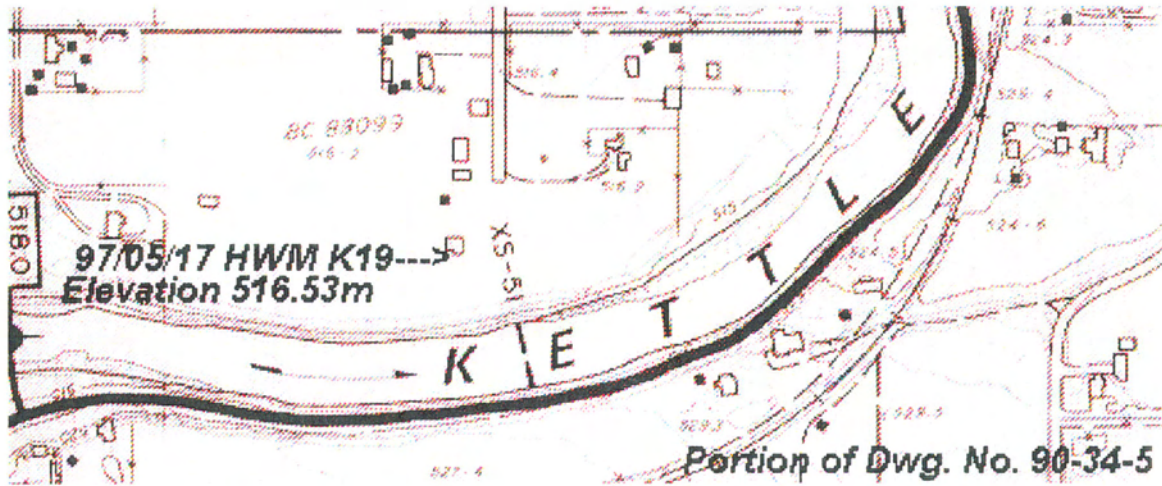
Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045



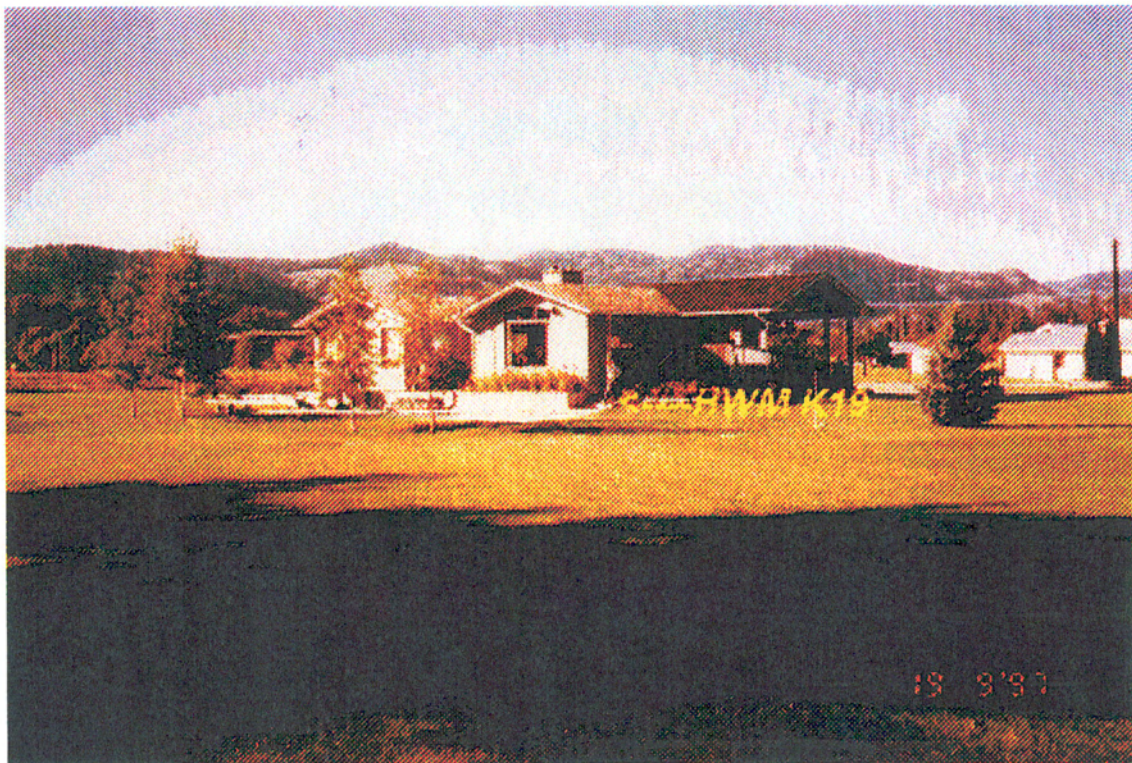
HWM K18 located on the rightbank of Kettle River at Cross section 49.
Elevation = 515.14 metres



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**

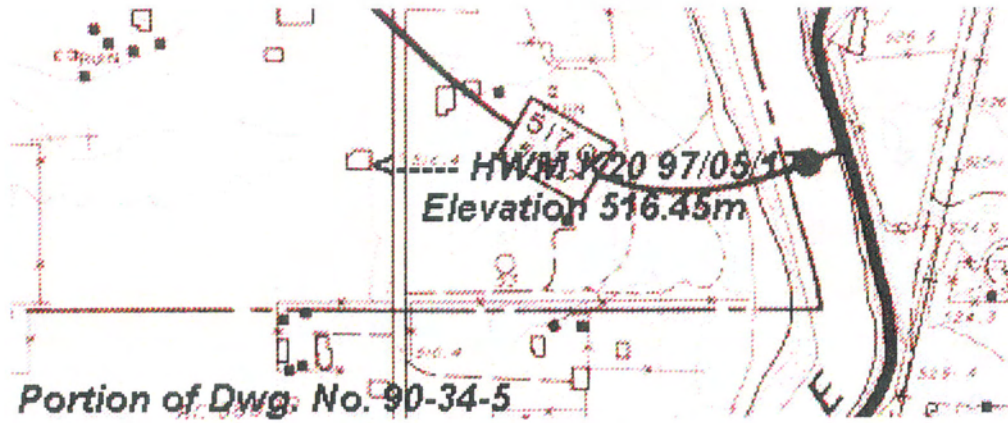


HWM K19 located on the leftbank of Kettle River at Cross section 51.
Elevation = 516.53 metres



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

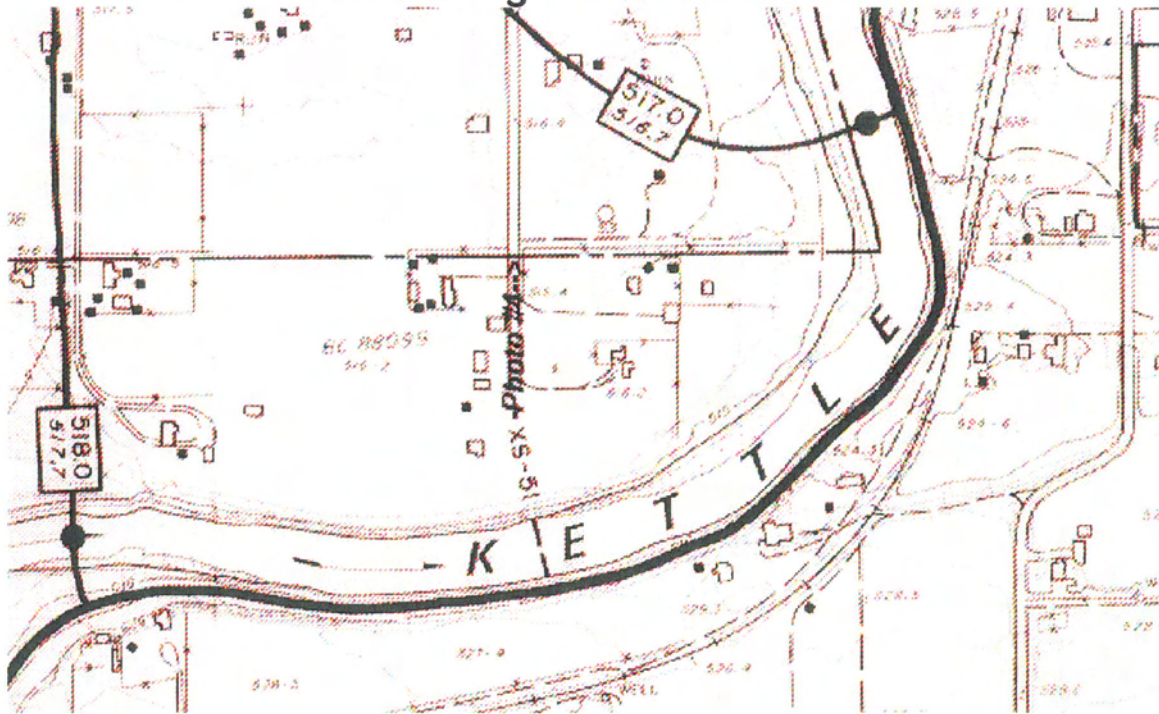
Project # 9713F045



HWM K20 located on leftbank of Kettle River, near Cross section 51 on 12th Street. Elevation = 516.45 metres



Project # 9713F045
Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations

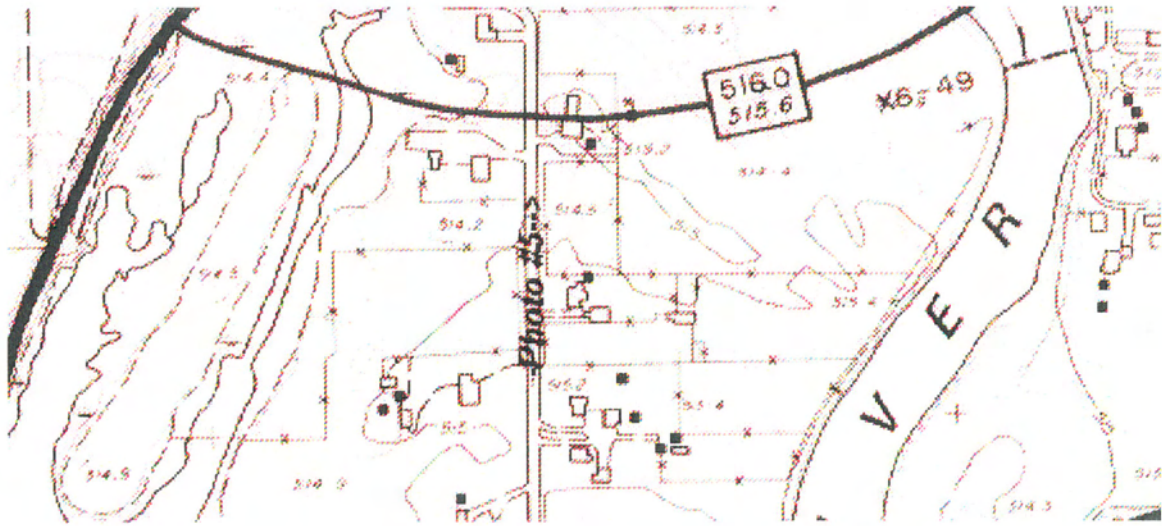


View of flooding at south end of 12th Street looking north.



Photo #4

**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**

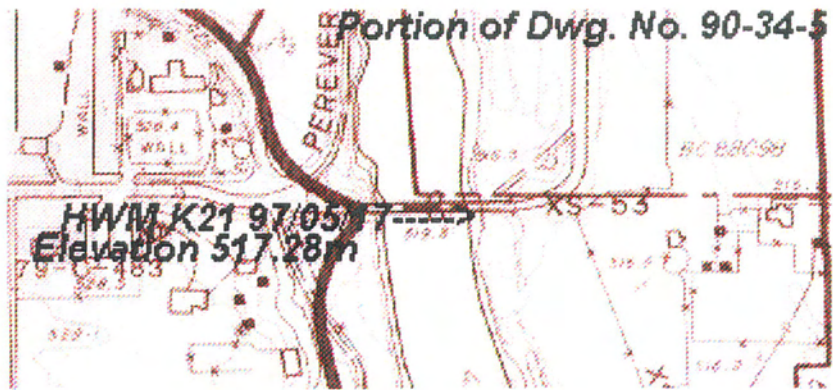


View of flooding midway along 12th Street looking north.



Photo #5

**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**

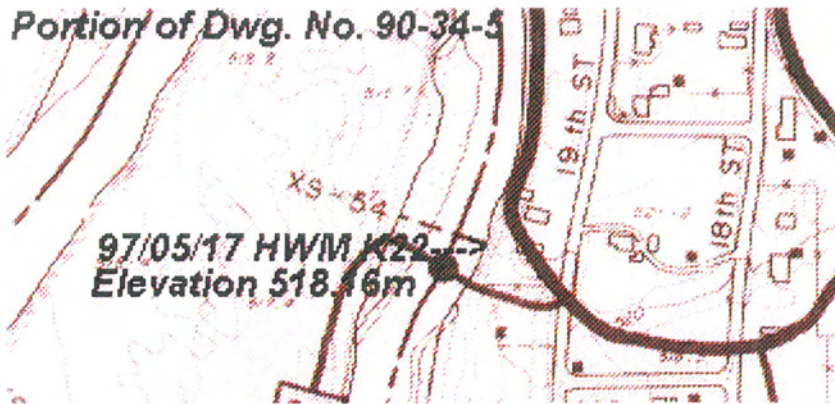


**HWM K21 located on leftbank of Kettle River at Cross section 53.
Elevation = 517.28 metres**



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

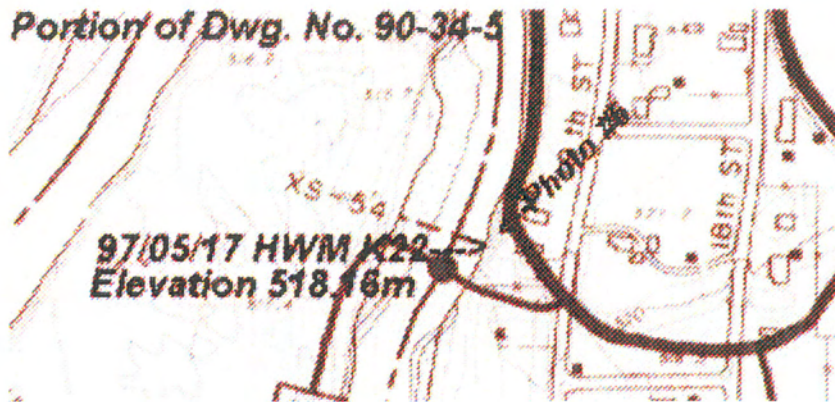
Project # 9713F045



**HWM K22 located on the leftbank of Kettle River at Cross section 54.
Elevation = 518.16 metres**



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**



View of flooding on rightbank of Kettle River at Cross section 54

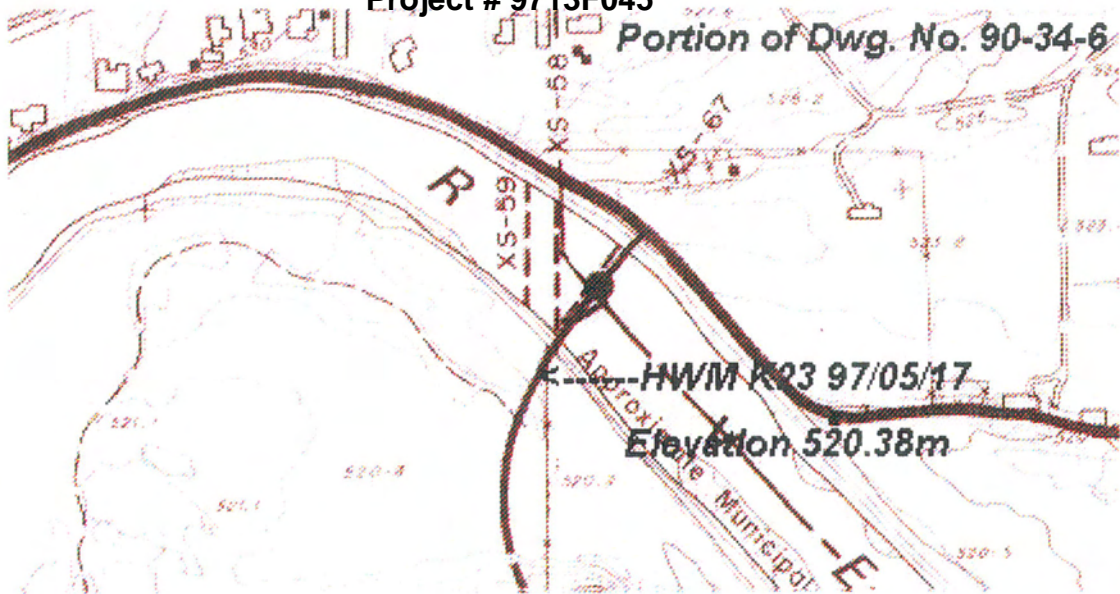


Photo #6

**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

Project # 9713F045

Portion of Dwg. No. 90-34-6



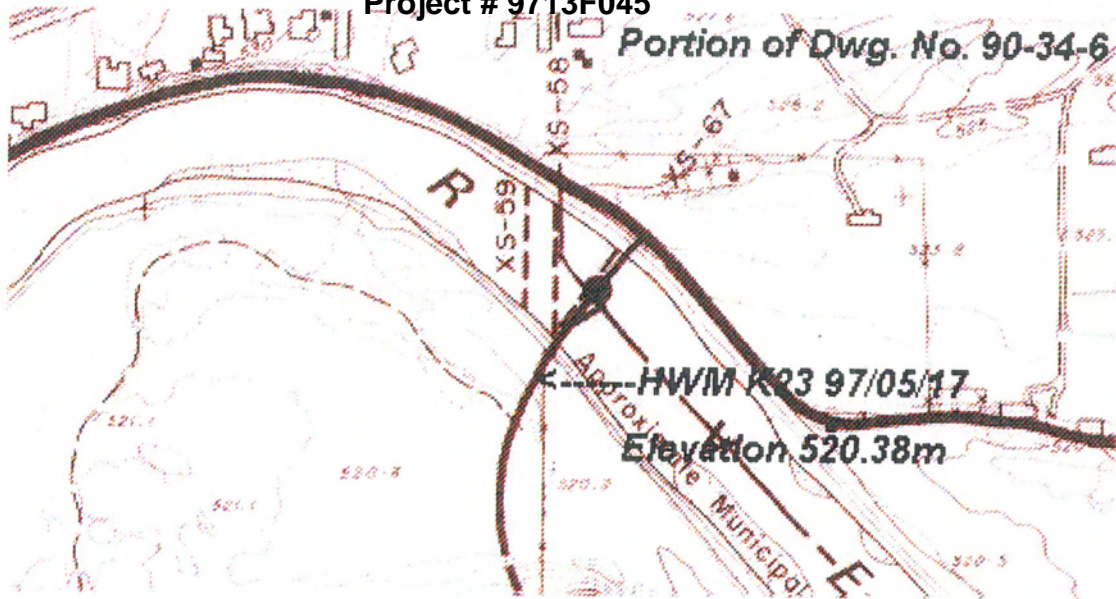
**HWM K23 located on the rightbank of Kettle River at Cross section
58 & 67.
Elevation = 520.38 metres**



**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations**

Project # 9713F045

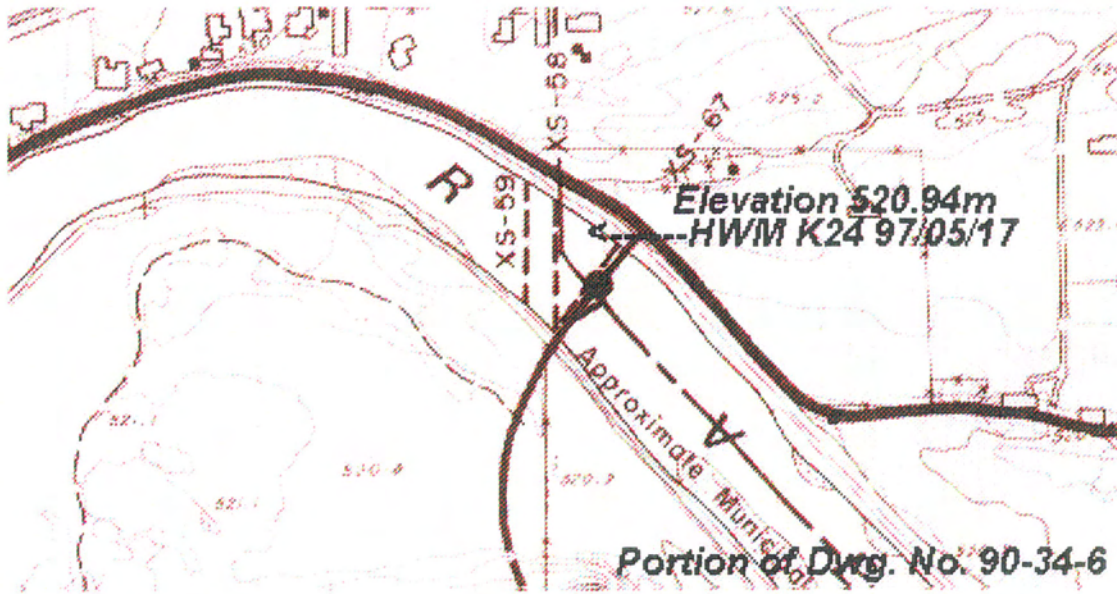
Portion of Dwg. No. 90-34-6



**HWM K23 located on the rightbank of Kettle River at Cross section
58 & 67.
Elevation = 520.38 metres**



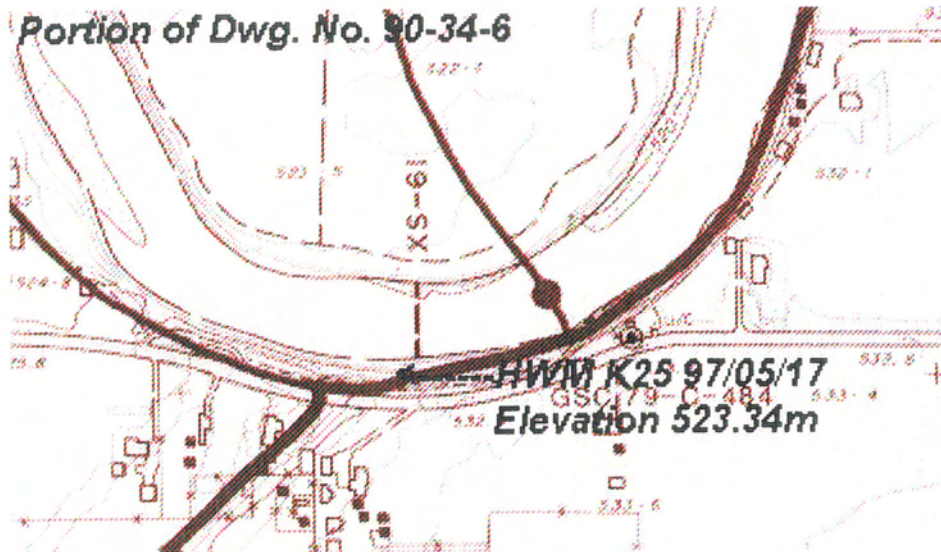
Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045



HWM K24 located on the leftbank of Kettle River between Cross section 58 & 67.
Elevation = 520.94 metres



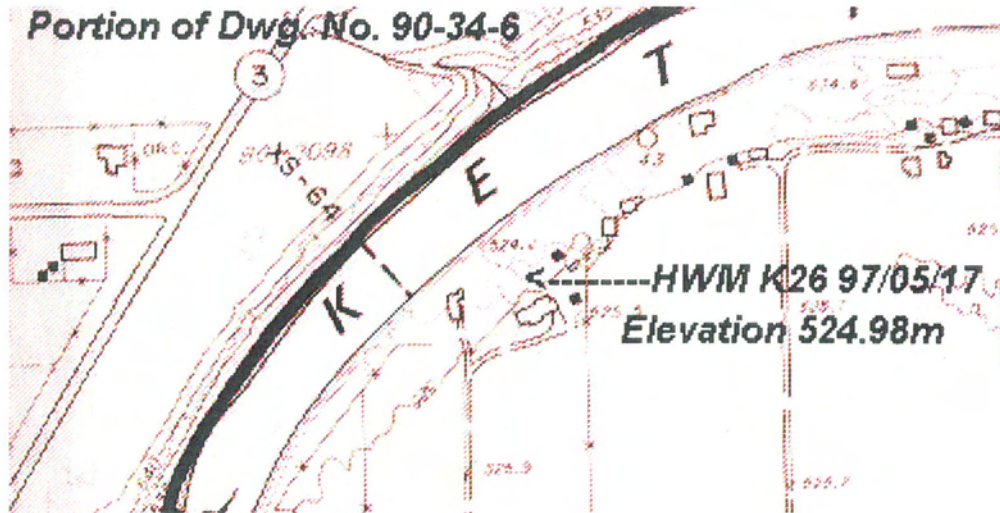
**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**



**HWM K25 located on the rightbank of Kettle River at Cross section 61.
Elevation = 523.34 metres**



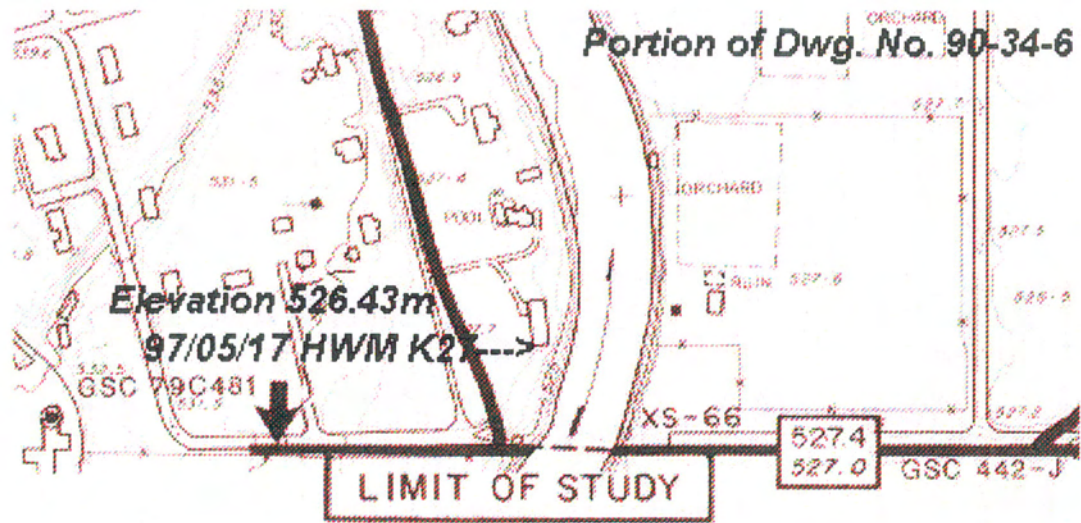
**Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045**



**HWM K26 located on the rightbank of Kettle River, 70 metres downstream
of Cross section 64. Elevation = 524.98 metres**



Kettle & Granby Rivers @ Grand Forks
97/05/17 High Water Elevations
Project # 9713F045



HWM K27 located on leftbank of Kettle River, 70 metres downstream of Cross section 66. Elevation = 526.43 metres



