

# SCOUR SUMMARY SHEET

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BR. NO: 247 WATERWAY: PORTAGE CR SCOUR CODE: 8

OWNER: S.D. Co. SID: 08226400

Q<sub>100</sub>: \_\_\_\_\_ cfs WATER SURFACE EL: \_\_\_\_\_ ft.

Q<sub>500</sub>: \_\_\_\_\_ cfs WATER SURFACE EL: \_\_\_\_\_ ft.

SUPERSTRUCTURE LOW POINT (POINT OBSTRUCTS WATER FLOW) EL: \_\_\_\_\_ ft.

Q WHEN HIGH WATER TOUCHES BOTTOM OF BRIDGE (IF < Q<sub>500</sub>): \_\_\_\_\_ cfs.

ANGLE OF ATTACK: 0 ° THALWEG ELEVATION: \_\_\_\_\_ ft.

VELOCITY: V<sub>100</sub> = 0.1 ft/sec ± V<sub>500</sub> = \_\_\_\_\_ ft/sec

### CRITICAL PIER(S):

<u>PIER NUMBER</u>	<u>BOTTOM OF FOUNDATION ELEVATION</u>	<u>CALCULATED SCOUR ELEVATION</u>	<u>MONITOR<sup>2</sup> (U/W,R,F)</u>	<u>INSPECTION FREQUENCY<sup>2</sup></u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

- NOTE: 1. UNDER MONITOR ; U/W-UNDERWATER, R-ROUTINE, F-FATHOMETRIC  
2. MONITOR AND INSPECTION FREQUENCY - FILLED OUT BY WSDOT.  
3. ALL ELEVATIONS SHALL BE IN FEET.

MITIGATION: IN PLACE AND FUNCTIONING: (Y/N)

DESC. OF MITIGATION: N/A

COMMENTS: "EXCLUDED" - BRIDGE IS A SINGLE SPAN LUTEN ARCH BUILT IN 1922 WITH NO SIGNIF. SCOUR HISTORY IN THE LAST 75 YEARS (WATERWAY FUNCTIONS MORE AS A SLOUGH THAN A CREEK)

### FREQUENCIES (FILLED OUT BY BRIDGE SCOUR ENGINEER):

<u>TYPE OF INSPECTION</u>	<u>FREQUENCY (YEARS)</u>	<u>YEAR FREQ. ESTABLISHED</u>
STREAM CROSS SECTION U/S RAIL	_____	_____
UNDERWATER	_____	_____
FATHOMETRIC	_____	_____

DATE OF PHASE II ANALYSIS: \_\_\_/\_\_\_/\_\_\_

ANALYZED BY: Adams 8/29/96 B/C CONCUR: \_\_\_\_\_

**CONVENIENCE COPY**