



COMMUNITY DEVELOPMENT DEPARTMENT
 80 Columbia Avenue, Marysville, WA 98270
 (360) 363-8100, (360) 651-5099 FAX

DETERMINING CONSTRUCTION SITE SEDIMENT DAMAGE POTENTIAL

PROJECT NUMBER: _____ PROJECT NAME: _____
 PROJECT SITE ADDRESS: _____

Project Site Owner

Owner Site Representative

Name:		
Mailing Address:		
City, State, Zip:		
Phone/business:		
Phone/home:		

Use the following rating system to evaluate the potential of your site to discharge sediment. The rating system below will be used to identify site-specific features which indicate that the site must be inspected prior to clearing and construction.

STEP 1 – Sediment/Erosion Sensitive Feature Identification & Hydraulic Nearness Assessment

Sediment/erosion sensitive features include but are not limited to:

- i. Salmonid bearing fresh water streams and their tributaries or freshwater streams that would be Salmonid bearing if not for anthropogenic barriers;
- ii. Lakes;
- iii. Category I, II, and III wetlands;
- iv. Marine near-shore habitat;
- v. Sites containing contaminated soils where erosion could cause dispersal of contaminants; and
- vi. Steep slopes (25% or greater) associated with one of the above features.

Sites are hydraulically near a feature if:

- i. The pollutant load and peak quantity of runoff from the site will not be naturally attenuated before entering the feature.
- ii. The feature or a buffer to protect the feature is within 200 feet downstream of the site.
- iii. Runoff from the site is tight-lined to the feature or flows to the feature through a channel or ditch.

A site is not hydraulically near a feature if one of the following takes place to provide attenuation before runoff from the site enters the feature:

- i. Sheet flow through a vegetated area with dense ground cover.
- ii. Flow through a wetland not included as a sensitive feature.
- iii. Flow through a significant shallow or adverse slope, not in a conveyance channel, between the site and the sensitive feature.

Identify any of the sediment/erosion sensitive features that are hydraulically near the site and proceed to step two. If there are no sediment/erosion sensitive features hydraulically near the site the assessment is complete.

STEP 2 – Construction Site Sediment Transport Potential

Using the worksheet below, determine the total points for the development site. Assign points based on the most critical condition that affects 10% or more of the site.

If soil testing has been performed on site, the results should be used to determine the predominant soil type on the site. Otherwise, soil information should be obtained from the county soil survey to determine Hydrologic Soil Group (Table of Engineering Index Properties for step 1.D) and Erosion Potential (Table of Water Features for step 1.E)

When using the county soil survey, the dominant soil type may be in question, particularly when the site falls on a boundary between two soil types or when one of two soil types may be present on a site. In this case, the soil type resulting in the most points on the rating system shall be assumed unless site soil tests indicate that another soil type dominates the site.

Construction Site Sediment Transport Potential Worksheet

A. <u>Existing slope of site (average, weighted by aerial extent):</u>	<u>Points</u>
2% or less	0
>2-5%	5
>5-10%	15
>10-15%	30
>15%	50
B. <u>Site Area to be cleared and/or graded:</u>	
<5,000 sq. ft.	0
5,000 sq. ft. – 1 acre	30
>1 acres	50
C. <u>Quantity of cut and/or fill on site:</u>	
<500 cubic yards	0
500 – 5,000 cubic yards	5
>5,000 – 10,000 cubic yards	10
>10,000 – 20,000 cubic yards	25
>20,000 cubic yards	40
D. <u>Runoff potential of predominant soils (Natural Resources Conservation Service):</u>	
Hydrologic soil group A	0
Hydrologic soil group B	10
Hydrologic soil group C	20
Hydrologic soil group D	40
E. <u>Erosion Potential of predominant soils (Unified Classification System):</u>	
GW, GP, SW, SP soils	0
Dual classifications (GW-GM, GP-GM, GW-GC, GP-GC, SW-SM, SW-SC, SP-SM, SP-SC)	10
GM, GC, SM, SC soils	20
ML, CL, MH, CH soils	40
F. <u>Surface or Groundwater entering site identified and intercepted:</u> (if no surface or groundwater enters site, give 0 points.)	
Yes	0
No	25

- G. Depth of cut or height of fill >10 feet:
 Yes 25
 No 0
- H. Clearing and grading will occur in the wet season (October 1 – May 1):
 Yes 50
 No 0
-

TOTAL POINTS..... _____

Use the point score from Step 3 to determine whether the development site has a high potential for sediment transport off of the site.

<u>Total Score</u>	<u>Transport Rating</u>
<100	Low
≥100	High

A high transport rating indicates a higher risk that the site will generate sediment contaminated runoff.