

Worksheet 5a.

Rapid Resource Inventory for Sediment and Stability Consequence (RRISSC) Summary of Potential Sediment Risk - Hillslope and Hydrologic Processes

Stream Type or Reach ID: _____

Watershed: _____

Hillslope Processes

Risk Rating

Mass Wasting

Mass wasting hazard (Table 14)

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Sediment Delivery Potential

Slope gradient and shape (Figure 80)

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Slope Position (Figure 81)

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Combined mass wasting and sediment delivery potential (Table 14)

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Roads

Road impact index (Figure 82)

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Road fill distance from stream (Figure 87)

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Road steepness (Figure 88)

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Summary of road sediment risk (Figure 77)

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Final Risk Rating (Worksheet 7)

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Surface Erosion Hazard

Percent of area with 50% or more bare ground (Figure 76)

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Sediment Delivery Potential

Drainage density/slope gradient (Figure 98)

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Slope position (Figure 86)

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Percent ground cover (Figure 89)

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Distance from disturbance to stream (Figure 90)

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Stream buffer width (Figure 91)

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Sum of variables – overall sediment delivery potential rating (Figure 75)

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Hydrologic Processes

Risk Rating

Flow Related Sediment Increase

Potential increase in flow - Rural (Figure 73)

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Potential increase in flow - Urban (Figure 72)

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Potential channel adjustment due to an increase in bankfull discharge (Figure 92)

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Potential channel adjustment due to a decrease in bankfull discharge (Figure 71)

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