

HYDROLOGIC COMPUTATIONS FOR WATERSHEDS SMALLER THAN 2000 ACRES

REF: NRCS-EFM Chapter 2

PROJECT: _____

LOCATION: _____

HYDROLOGIC DATA: _____

Type of structure _____

Structure location _____ Sec. _____; T _____; R _____

Design frequency _____, Years

24-Hour precipitation _____, Inches

Storm distribution - Region _____

RESOURCE DATA:

Include watershed and soil map of project area.

Soil Series	HSG	Soil Cover Complex	RCN	Acres	(RCN x Acres)
_____	_____	_____	_____	x _____	= _____
_____	_____	_____	_____	x _____	= _____
_____	_____	_____	_____	x _____	= _____
_____	_____	_____	_____	x _____	= _____

Watershed Area = _____

Total (RCN x Acres) _____

Composite RCN _____

Average Watershed Slope _____ %

HYDROLOGIC COMPUTATIONS:

Using ES-1027 for Type II Inland storms or ES-1029 for Type IA Coastal Storms.

Slope - flat or moderate (*Circle one*)

RCN = _____ ; q = _____ cfs

RCN = _____ ; q = _____ cfs

Peak runoff for watershed RCN = _____ ; q = _____ cfs

Slope - moderate or steep (*Circle one*)

RCN = _____ ; q = _____ cfs

RCN = _____ ; q = _____ cfs

Peak runoff for watershed RCN = _____ ; q = _____ cfs

Plot the two discharge rates for their respective slopes using the graph on the reverse side of this sheet to obtain peak runoff for the watershed.

Peak runoff = _____ cfs

By _____

Date _____

PEAK DISCHARGE ADJUSTMENT FOR WATERSHED SLOPE

