

APPENDIX C

TABLE 4.1: SUMMARY OF MOST COMMON STATE FLOW AND QUALITY CONTROL CREDITS IN ECOLOGY'S SMMWW

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Volume, Chapter	BMP Name	ID	Application	Vegetated Flowpath ¹	Comment: (Credits allow impervious surfaces to be modeled as landscaping unless otherwise noted below)
Vol. III, Ch. 3.1.1	Downspout Infiltration		Trench, Dry well	N/A	Total exemption from flow and quality control requirements – pretreatment may be required for non-residential.
Vol. III, Ch. 3.1.2 ...and repeated in Vol. V Ch. 5.3.1	Downspout Dispersion <i>see pavement dispersion for roofs w/o downspouts</i>	T5.10	Trench, Splash block	≥ 50' ²	Each 10' of 2' wide x 1½' deep gravel trench disperses 700 sq. ft. of rooftop (up to 50' long). Designs have perforated pipe to spread flow, catch basin to collect roof debris, & a level spreader for longer trenches. Splash blocks serve ≤ 700 sq. ft. each and require 50' well-established groundcover. Consider downspout extensions for flat lawns or houses with basements / foundation drains.
Vol. III Ch.3.1.2; Vol. V Ch. 5.3.1	Downspout Dispersion	T5.10	Perforated Stub-out	N/A (No credit)	Perforated pipe in a gravel trench, instead of "tight-lining."
Vol. V, Ch. 5.3.1	Pavement Dispersion <i>driveways, courtyards...</i>	T5.11	Concentrated Flow (slopes ≥ 15%)	≥ 50' ²	Use slotted (linear) drains or low diagonal asphalt berms to direct runoff to diffuser pads (pavers, gravel, or drain rock). Add 1½' of vegetated flow path for each 1% increase in slope above 8%. Each berm serves ≤ 700 sq. ft.
Vol. V, Ch. 5.3.1 See also ... Vol. III App. C § 7.5	Pavement Dispersion	T5.12	Sheet Flow (slopes <15%)	≥ 10'	Same as above. Option: slope driveway to narrow diffuser strip along the edge of the driveway. Add 1' of vegetated path for every additional 4' of driveway width beyond 20'.
Vol. V, Ch. 5.3.1	Soil Quality and Depth	T5.13	Soil Quality and Depth	N/A	– Visit www.soilsforsalmon.org to learn about this BMP – <ul style="list-style-type: none"> ▪ Retain the duff layer and native topsoil undisturbed (e.g. uncompacted), stockpile for later use if necessary, and ▪ Amend existing site soil, and/or import topsoil mix of sufficient organic content.
Vol. V, Ch. 5.3.2	Preserve Natural Vegetation	T5.20	Preserve Natural Vegetation	Preserve ≥ 65% of a ≥ 1-acre lot	Total exemption from flow and quality control requirements. Reference the Full Dispersion BMP T5.30 in Vol. V, Ch.5.3.3.
Vol. III App. C § 7.7 LID Manual § 6.1 (Bioretention)	Rain Garden	Local Credit Only (soil quality is required)		N/A	Full mitigation ratio is 0.07. So, each cu. yd. of 1½' deep garden or planter serves ~250 sq. ft. That's, a 4' radius (25' perimeter) garden or a 5'x10' planter per 700 sq. ft. of roof/road.
Eugene's Manual	Planter				

¹ Vegetated Flowpath: A path through undisturbed native vegetation or lawn/landscape that meets soils quality BMP T5.13, as measured from the source down to the property line along contours. Downspouts need longer paths and bigger diffusers because they are most concentrated.

² Local credit may still apply on a case-by-case basis if the diffuser length is maximized.