

Table B-3: Defining Numeric Triggers to Classify Swale Maintenance Condition					
#	INDICATOR	PASS	MINOR	MODERATE	SEVERE
1	CDA Condition	No increase in CDA or change in surface cover	Within 5% of design assumption	Departs by as much as 15% from design assumption	Departs by more than 15% from design assumption
2	Surface Dimensions	Width and length meet design	Within 5% of design assumption	Departs by up to 15% from design assumption	Departs by more than 15% from design assumption
3	Flow Distribution	100% of width is utilized	75% of width is utilized	Less than 50% of width is utilized	Less than 25% of width is utilized, evidence of channelization for majority of swale length
4	Sediment Deposition	None	A few isolated caking areas	Deposits up to 3 inches deep	Deposits more than 3 inches deep
5	Standing Water or Saturated Soil	None	Soggy soils 48 hours after rain event	Surface ponding of an inch or less, after 48 hours	Surface ponding of an inch or more after 48 hours for at least 10% of swale surface area
6	Trash	None	Some Litter	Very trashy	Dumping
7	Inlet Obstruction ¹	None, all runoff enters facility	Future risk of bypass	Evidence that some runoff may bypass	Most runoff cannot enter facility
8	Inlet Erosion	None	Some rill erosion	Gully erosion of 6 inches or less	Gully erosion more than 6 inches
9	Swale Erosion	None	Some rill erosion	Gully erosion of 6 inches or less	Gully erosion more than 6 inches
10	Side Slope Erosion	None	Some rill erosion	Gully erosion of 6 inches or less	Gully erosion more than 6 inches
11	Vegetative Cover	>90% turf cover	75-90% turf cover	50-75% turf cover	Less than 50% turf cover
12	Vegetative Maintenance	Well-maintained, few weeds	Isolated areas need re-seeding or weeding	Needs major mowing and weed eradication	Needs major mowing or shrub/tree removal or replanting
13	Check Dams	Good Condition	Minor sediment deposits, out-flanking or down-gradient erosion	Some sediment deposits, out-flanking or down-gradient erosion	Problems are so severe that structure function is compromised
14	Outflow Obstruction	None	Nominal loss of pipe or inlet capacity	Needs to be cleaned out	Clogging. No pipe capacity
15	Pavement Edge	Good condition	Minor deterioration	Edge at risk, longitudinal cracking	Edge is broken and is compromised
<i>Note: based on the numerical trigger, specific maintenance tasks or forensic investigations would be recommended (for minor, moderate and severe problems)</i>					