Instream installations

(a) Typical installation of an instream sediment weir

Two or more parallel wire mesh fences

Flow

One or more layers of filter cloth

15 to 25 mm aggregate (preferred)

15 to 25 mm aggregate

200 mm (min)

2H (typical)

Scour protection

(b) Sediment weir with aggregate and geotextile filter

Two or more parallel wire mesh fences

Flow

One or more layers of filter cloth

15 to 25 mm aggregate (preferred)

Heavy-duty filter cloth

Open weave screen placed over pipe inlet to exclude aquatic life

2H (typical)

Scour protection

(c) Sediment weir with downstream rock splash pad

Filter medium

2 or 3 parallel mesh fences

600 mm (max)

Weir crest depressed in the centre of the channel

Cross Section A-A

Plan View

Top of channel

Toe of bank

Posts

Top of channel

Flow

Erosion control apron

(d) Sediment weir with filter tube

Filter cloth

Erosion control apron

One or more filter tubes

Open weave screen placed over pipe inlet to exclude aquatic life

2H (typical)

Scour protection

Two or more parallel wire mesh fences

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