

Annotated - Bibliography of Low Impact Development (LID)
Created by Southern Tier Central Regional Planning & Development Board
for the Upper Susquehanna Coalition
as part of the EPA Watershed Initiative

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Introduction:

These are all internet resources that contain information on Low Impact Development (LID). The first section of websites deals with LID in general, addressing many of the common LID practices. The rest of the websites are arranged by the Best Management Practice (BMP) they are related to; the first section is in the Site category, and the second in the Building category. The annotation underneath each resource is a review of that site, and the raindrops are a way of giving it a “grade.” The more raindrops a source has, the more detailed and helpful it is. The second half of the key lists the nine USEPA Chesapeake Bay Program categories of stormwater management BMPs. Some of the websites have a letter from A to I to the left of the raindrops; this is the EPA category that the site covers.

Key

- ♠ An introduction to LID or its specific topic, good for cursory information.
- ♠♠ More comprehensive, more specific, but still better for general knowledge than for detailed research.
- ♠♠♠ More thorough and technical; may include pictures and basic design drawings, but still easy to read.
- ♠♠♠♠ Very detailed, with good illustrations, and sufficient information for serious research. May be a scientific report or article from a scholarly journal.

Chesapeake Bay Program Urban Issues Categories

A	Wet ponds and wetlands
B	Dry detention ponds and hydrodynamic structures
C	Dry extended detention ponds
D	Infiltration practices
E	Filtering practices
F	Roadway systems (paved)
G	Impervious surface reduction/non-structural practices
H	Street sweeping, catch basin inserts
I	Stream restoration in urban areas

General Low Impact Development

Coffman, Larry S. "Low Impact Development." *Westchester Environment* 2003.1 (Jan-Feb 2003). 15 July 2004
<http://www.fcwc.org/WEArchive/010203_wbj.rain.htm>.

- ♪ A good introduction for very basic knowledge of LID, but it reads more like an advertisement than a good resource. Not recommended for research purposes.

Coffman, Larry S. Low Impact Development: A New Paradigm for Stormwater Management. PowerPoint presentation.
<<http://www.saj.usace.army.mil/projects/StormWater/LID%20Overview%20Florida/sld001.htm>>.

- ♪♪♪ Very good, very long (80 slides!) PowerPoint presentation; good definitions, illustrations, and examples for important BMPs and aspects of LID. Larry Coffman is an authority on LID, and often cited and used as a resource for other online LID sources.

Coffman, Larry S., Michael L. Clar, and Neil Weinstein. "New Low Impact Design: Site Planning and Design Techniques for Stormwater Management." Proceedings of the 1998 National Planning Conference.
15 July 2004
<<http://www.asu.edu/caed/proceedings98/Coffmn/coffmn.html>>.

- ♪♪♪ Scientific paper on Low Impact Development; "a brief overview of some major aspects of the LID Manual developed by Prince George's County," which is where LID basically began in the US. Includes hydrologic analyses, LID applicability discussion, and examples and primary functions of BMPs.

Coffman, Larry S. "Using Low-Impact Development in Stormwater Management." *Progress Newsletter* 12.1 (Winter 2001). Water Environment Research Foundation. 16 July 2004
<http://www.werf.org/press/winter01/01w_low.cfm>.

- ♪♪ Good newsletter article by Coffman, an expert of LID from the first county in the US to implement LID strategies.

"Council for US Landcare Initiative." Landcare US. 27 July 2004 <<http://www.landcareusa.com/index.asp>>.

- ♪ Brief introduction to the US Landcare program and an informational brochure.

England, Gordon. "Low Impact Development Revisited." The Journal for Surface Water Quality Professionals: Stormwater. 16 July 2004
<http://www.forester.net/sw_0201_low.html>.

☺☺☺ Good, objective article; addresses the other side of Low Impact Development, explaining that many of the BMPs have several drawbacks, and these can sometimes outweigh the benefits. Discusses the often impractical nature of high-maintenance BMPs, and is important for anyone planning LID to take into consideration.

Holz, Tom. "Chapter 12: Low Impact Development." NRDC: Stormwater Strategies. 15 July 2004
<<http://www.nrdc.org/water/pollutiion/storm/chap12.asp>>.

☺☺☺☺ Very good, detailed literature about LID. Often used as a source for other online articles about LID; lists the top ten LID practices, talks about retrofitting, benefits of LID, strategies, and case studies. Probably the best online resource for LID.

Hoppe, Mary Kelley. "Putting a LID on Stormwater Runoff." Bay Soundings. 16 July 2004
<<http://www.baysoundings.com/spring04/lid.html>>.

☺ Introduction to LID as a solution for stormwater runoff; highlights programs that are trying to make LID more common, and ways to get involved.

"The Hudson River Estuary Program Watershed Conservation and Stormwater Program."
New York State Department of Environmental Conservation. 16 July 2004
<<http://www.dec.state.ny.us/website/hudson/watershed.html>>.

☺ Not very comprehensive; discusses why stormwater and new development are issues.

"Low Impact Development." Montcalm County Community Center. 15 July 2004
<<http://www.montcalm.org/plannededuc0058.asp>>.

☺☺ Good introduction to Low Impact Development, basic categories, and advantages.

"Low Impact Development." The North and South Rivers Watershed Association. 16 July 2004
<http://www.nsrwa.org/programs/low_impact_development.asp>.

☺ Very brief, basic overview of points of LID.

“Low Impact Development.” Slideshow Presentation to Wareham Planning Board on LID.

Puget Sound Water Quality Action Team. 16 July 2004

<<http://www.buzzardsbay.org/wareham/lid-show-wareham.pdf>>.



Well organized slide show on LID; includes information on and illustrations of common BMPs, additional resources, basic LID goals and principles, and case studies.

“Low Impact Development.” Texas Coastal Watershed Program. 16 July 2004

<http://www.urban-nature.org/landuse/low_impact_development.htm>.



Just a paragraph definition of LID, but includes links to specific BMP pages.

“Low Impact Development Checklist.” Feb 2004. New Jersey Stormwater Best Management Practices Manual.

22 July 2004

<http://www.njstormwater.org/tier_A/pdf/NJ_SWBMP_A.pdf>.



Detailed, technical checklist for planning LID. Good if you are in the planning process, but not great just for learning about LID.

“Low Impact Development - Is This Stormwater Management Tool Right for Your Community?”

Bonestroo Resource Center. 15 July 2004

<<http://www.bonestroo.com/lowimpact.asp>>.



Good introduction to different aspects of Low Impact Development with Pictures, examples, and basic suggestions for communities.

Metzger, Marco *et al.* “The Dark Side of Stormwater Runoff Management: Disease Vectors Associated

With Structural BMPs.” *The Journal for Surface Water Quality Professionals: Stormwater 2.3* (2002)

<http://www.forester.net/sw_0203_dark.html>.



Very detailed, but readable study of a major problem with several common BMPs; very important to know about when considering any of the BMPs.

Pierce County Low Impact Development Study. 11 April 2001. CH2M Hill, Inc. 16 July 2004

<http://www.co.pierce.wa.us/xml/services/home/envIRON/water/swm/LowImpactDev/final_lid_report.pdf>.



Very detailed, long (over 50 pages) case study on Low Impact Development.

“Water Resources Management.” Center for Water and Watershed Studies. 26 July 2004
<<http://depts.washington.edu/cwws/Research/Waterresources/stormwater.html>>.

☺☺☺ Home page for about 10 different, specific BMP websites and case studies.

“What is Low Impact Development?” Permaculture at Penrhos Welsh Assembly Report on Diversification.
22 July 2004
<<http://www.konsk.co.uk/planning/assembly.htm>>.

☺ Gives the definition of LID, from Simon Fairlie, whom this website names as the creator of “Low Impact Development.” Highlights low impact settlements in Scotland, but does not explain why they are low impact or how they improve biodiversity.

“What is Low Impact Development?” Tri-County/City Soil & Water Conservation District. 5 Aug 2004
<<http://tccswcd.vaswcd.org/lid.htm>>.

☺ Information on LID, and a separate section on rainwater collection; however it is all fairly basic and better stated in other websites.

Impervious Surface Reduction & Disconnection

“Impervious Surface Indicator Information.” NOAA Coastal Services Center. 22 July 2004
<<http://www.csc.noaa.gov/alternatives/impervious.html>>.

☺☺ Good, detailed introduction to impervious surface reduction, its importance, and what individuals can do to encourage it.

“Stormwater Management/Impervious Surface Mitigation Standards.” Leelanau Government & Community Center.
July 2004
<<http://www.leelanaucounty.com/planningeduc0133.asp>>.

☺☺ Sample language/definitions for an Ordinance on Impervious Surface Mitigation.

Wells, Cedar. “Introduction.” Impervious Surface Reduction Study, City of Olympia. 22 July 2004
<<http://depts.washington.edu/cwws/Research/Reports/ipds.pdf>>.

☺☺ Introduction and abstract to a study on impervious surface reduction.

Site

Rain Gardens

Belan, Gary and Betsy Otto. "Rain Gardens." Catching the Rain: A Great Lakes Resource Guide for Natural Stormwater Management July 2004: 20-22. American Rivers. 29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

E ☹☹ Provides a good summary of rain gardens, how inexpensive and relatively easy they are to install, basic dimension guidelines, and a case study that shows rain gardens to be a successful form of stormwater mitigation.

"Reining in the Rain: Parking Lot Rain Garden." Puget Sound Online. 15 July 2004
<http://www.psat.wa.gov/Publications/LID_studies/amended_soils.htm>.

E ☹ Gives a brief summary of a Rain Garden project, some pictures, and a contact address for more information about the project.

Bioretention

Belan, Gary and Betsy Otto. "Bioretention." Catching the Rain: A Great Lakes Resource Guide for Natural Stormwater Management July 2004: 17-18. American Rivers. 29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

E ☹☹☹ Good introduction to bioretention. Gives percentages of decrease in copper, zinc, lead, phosphorus, and nitrogen with bioretention (University of Michigan study).

Belan, Gary and Betsy Otto. "Infiltration Basins." Catching the Rain July 2004: 40-43. American Rivers. 29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

D ☹☹ Good description of infiltration basins, where they are most useful, advantages and disadvantages, but the case study has no results yet (haven't tested infiltration yet).

Belan, Gary and Betsy Otto. "Constructed Wetlands." Catching the Rain July 2004: 44-47. American Rivers. 29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

- A** ☹☹ Explains the concept of a constructed wetland, its advantages and disadvantages, different types of wetlands, and a successful case study.

Belan, Gary and Betsy Otto. "Green Roads & Parking." Catching the Rain July 2004: 63-64. American Rivers. 29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

- F** ☹☹ Describes the need to reduce paved areas by designing narrower roads, as well as curb cuts. Analyzes costs, (retrofitting is more costly) and advantages and disadvantages.

Boyd, Clinton Shane. "An introduction to bioretention." Rain Gardens of West Michigan. 16 July 2004
<<http://www.raingardens.org/bioretention.php>>.

- E** ☹☹☹ Gives a good, scientific outline of the principles and functions of bioretention. No pictures, but talks about the chemistry of bioretention and bioremediation, as well as giving a basic summary of the Nitrogen and Phosphorus cycles.

Coffman, Larry S. "Bioretention." Low Impact Development: A New Paradigm for Stormwater Management. PowerPoint presentation. Slides 26, 28, 48.
<<http://www.saj.usace.army.mil/projects/StormWater/LID%20Overview%20Florida/sld001.htm>>.

- E** ☹☹ Slides from a very good, detailed PowerPoint presentation. Includes drawings and pictures, as well as major topics in Bioretention, but not a lot of detail.

Comings, Karen J., Derek B. Booth, and Richard R. Horner. Stormwater Pollutant Removal by Two Wet Ponds in Bellevue, Washington. 6 Aug 2004
<<http://depts.washington.edu/cwws/research/Reports/wetponds.pdf>>.

- A** ☹☹☹☹ Comprehensive study on wet detention ponds. Includes data for urban runoff reduction, phosphorus, nitrogen, and sediment reduction, and an overall assessment of the success of the project.

Davis, A.P. "Bioretention: A Low Impact Stormwater Best Management Practice." University of Maryland. 9 May 2003. 10 Aug 2004
<<http://www.ence.umd.edu/~apdavis/Bioret.htm>>.

- E** ☹☹☹ A brief overview of bioretention, design, and a summary of the Prince George's County study; also contains abstracts for two studies on lead building and metal sources.

“Draincore² Subsurface Drainage System.” Invisible Structures, Inc. 10 Aug 2004
<<http://www.invisiblestructures.com/DC2/draincore.htm>>.

A, D

☺☺ Short description of the product, easy to read; lists its benefits and its applications.

“Rainstore³ Underground Stormwater Detention, Retention or Harvesting System.” Invisible Structures, Inc.
10 Aug 2004
<<http://www.invisiblestructures.com/RS3/rainstore.htm>>.

B

☺☺ Concise article on the company’s product, good labeled photos.

Rhodes, Milt. “Bioretention Cells, Pocket Wetlands, and Rain Gardens.” Swale Stories. 8-9. 16 July 2004
<http://h2o.enr.state.nc.us/wswp/images/swimages/swale_stories.htm>.

A, E

☺☺ Shows pictures, which are good examples of both bioretention and rain gardens, as well as brief critiques of each example.

“What is a Dry Pond?” The City of Calgary. 6 Aug 2004
<http://www.calgary.ca/docgallery/BU/roads/sarcee/how_drypond_works.pdf>.

B

☺☺ Good, easy-to-read PowerPoint presentation on dry ponds with basic diagrams.

Vegetated Swales, Buffers, & Strips; Tree Preservation

Belan, Gary and Betsy Otto. “Dry Swales”; “Wet Swales.” Catching the Rain July 2004: 24-29. American Rivers
29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

E, D

☺☺ A good summary of both dry and wet swales, ways to combine swales with other techniques to improve their effect, design drawings, and a case study for wet swales.

Belan, Gary and Betsy Otto. “Urban Stream Buffers.” Catching the Rain July 2004: 34-36. American Rivers.
29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

I

☺☺☺ Good article about vegetative buffers along streams. Describes and illustrates the “three-zone urban stream buffer system” well. Includes a case study.

Belan, Gary and Betsy Otto. "Urban Trees." Catching the Rain July 2004: 37-39. American Rivers. 29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

D, I

☺☺ Good introduction to using trees in urban areas; acknowledges that species, costs, and needs will vary with the area and consequently is very general.

Belan, Gary and Betsy Otto. "Vegetated Filter Strips." Catching the Rain July 2004: 31-33. American Rivers. 29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

D, E

☺☺☺ Good description of Vegetated Filter Strips, their cost effectiveness, dimensions, design drawings, and a case study.

The Buffer Handbook (Maine DEP). 23 July 2004
<<http://www.state.me.us/sep/blwq/docwatershed/bufb.htm>>.

E, I

☺☺☺ Detailed literature about buffers, designing them, and understanding house lots.

Cohen, Russell. "Fact Sheet #1: Functions of Riparian Areas for Flood Control." Massachusetts Riverways Programs. 23 July 2004
<<http://www.mass.gov/dfwele/river/rivfact1.htm>>.

E

☺☺ Explains the negative impacts of reducing/removing natural vegetative buffers along streams and rivers, the importance of smaller streams to the health of larger bodies of water, and reasons to protect and maintain natural riparian areas.

Cohen, Russell. "Fact Sheet #2: Functions of Riparian Areas for Storm Damage Prevention." Massachusetts Riverways Programs. 23 July 2004
<<http://www.mass.gov/dfwele/river/rivfact2.htm>>.

E

☺☺ Good overview of riparian areas and their role in preventing downstream damage from stormwater. Also talks about the effect of impervious surfaces in storm damage.

Cohen, Russell. "Fact Sheet #5: Functions of Riparian Areas for Protecting Public & Private Water Supplies." Massachusetts Riverways Programs. 23 July 2004
<<http://www.mass.gov/dfwele/river/rivfact5.htm>>.

E

☺☺ Gives a good argument for maintaining naturally vegetated stream-side buffers, and discusses the impact they have on reducing pollutants and the impact that removing them has on public water supply.

Cohen, Russell. "Fact Sheet #6: Functions of Riparian Areas for Groundwater Protection." Massachusetts Riverways Programs. 23 July 2004
<<http://www.mass.gov/dfwele/river/rivfact5.htm>>.

E ⤵⤵⤵ Good, detailed article about how surface water, groundwater, rivers, and streams are connected, how they are affected by pollutants in runoff, and how riparian areas help to protect groundwater from polluted runoff.

Cohen, Russell. "Fact Sheet #8: Functions of Riparian Areas for Pollution Prevention." Massachusetts Riverways Programs. 23 July 2004
<<http://www.mass.gov/dfwele/river/rivfact8.htm>>.

E ⤵⤵ Explains how damage to riparian areas, as well as pesticide and herbicide use, increase water pollution, harm aquatic life and drinking water, and how it can be avoided.

Fischer, Richard A., and J. Craig Fischenich. Design Recommendations for Riparian Corridors and Vegetated Buffer Strips. 23 July 2004
<<http://www.wes.army.mil/el/emrrp/pdf/sr24.pdf>>.

E ⤵⤵⤵⤵ Very detailed explanation of variations in the design of riparian buffer strips, initiatives being taken nationally to promote riparian corridor protection, and suggestions when planning buffer strips.

Model Vegetated Buffer Ordinance. 23 July 2004
<<http://www.scdhec.net/eqc/ocrm/pubs/model.pdf>>.

E ⤵⤵⤵ Good, detailed list of criteria for a vegetated buffer.

Rhodes, Milt. Swale Stories. 16 July 2004
<http://h2o.enr.state.nc.us/wswp/images/swimages/swale_stories.htm>.

D, E ⤵⤵⤵ Photos of many types of swales, and suggestions for improvement.

"Vegetated Buffers Indicator Information." NOAA Coastal Services Center. 23 July 2004
<<http://www.csc.noaa.gov/alternatives/buffer.html>>.

E ⤵ Good introduction, with pages about the 3 "scenarios" for vegetative buffer design.

Vegetative Buffer Zones. 23 July 2004

<<http://www.sustland.umn.edu/related/water2.html>>.

E ♪ Good, but very basic, introduction to vegetative buffer zones and their benefits.

Permeable Pavers

Belan, Gary and Betsy Otto. "Porous Pavements." Catching the Rain July 2004: 59-61. American Rivers.

29 July 2004

<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

D, G ♪♪ Concise and organized article on permeable pavers, the four major types, advantages and disadvantages, design information, and a case study.

"Block Pavers"; "Grid Pavers"; "Porous Pavement"; "Soil Pavement." NEMO - Nonpoint Education for Municipal Officials: Reducing Runoff. 5 Aug 2004

<http://nemo.uconn.edu/reducing_runoff/index.htm>.

D, G ♪♪♪ Good separate articles on each of the permeable pavers, with illustrations.

Invisible Structures, Inc.. 10 Aug 2004.

<<http://www.invisiblestructures.com>>.

D, G ♪♪ A company that manufactures different types of permeable pavers, with websites explaining the different kinds they offer (Grasspave² and Gravelpave²).

James, William. "Green Roads: Research Into Permeable Pavers." *The Journal for Surface Water*

Quality Professionals: Stormwater 3.2 (2002). 20 July 2004

<http://www.forester.net/sw_0203_green.html>.

D, F ♪♪♪ Good article about green roads, how they work, and previous research.

"PermaPave Permeable Pavers." PermaPave™. 11 Aug 2004

<<http://permapave.com.au/products/pavers.htm>>.

D, G ♪♪♪ Overview of the company's line of permeable pavers, with photos, guidelines. May not be available in the US, though, because this company is based in Australia.

“Porous Pavement.” Stormwater Management Options: What You Can Do. 5. 16 July 2004
<http://www.city.toronto.on.ca/wes/techservices/involved/wws/wwfimmmp/pdf/virtual_workbook_cando.pdf>.

D, G

♠ A very brief summary of Porous Pavement and its effectiveness and cost.

Traver, Robert, Andrea Welker, Clay Emerson, Michael Kwiatkowski, and Tyler Ladd. “Lessons Learned - Porous Concrete Demonstration Site.” Villanova Urban Stormwater Partnership. *The Journal for Surface WaterQuality Professionals: Stormwater* 5.4(2004)
<http://www.forester.net/sw_0407_villanova.html>.

D, G

♠♠♠

Good case study about constructing porous pavement on the Villanova campus; what went into the pouring; what went wrong; good and bad points to the BMP.

“Watershed Benefits of Permeable Pavers.” Low Impact Development Center, Inc. 20 July 2004
<http://www.lid-stormwater.net/permeable_pavers/permpavers_benefits.htm>.

D

♠♠♠♠

Overview of several case studies, with nutrient/metal reduction percentages, study findings on runoff reduction, graphs, and primary sources.

Soil Amendments

“Amended soils & bioretention.” Puget Sound Online. 15 July 2004
<http://www.psat.wa.gov/Publications/LID_studies/amended_soils.htm>.

D, E

♠♠♠♠

Detailed article on amended soils with many case studies and photographs.

Davis, J. G., and C. R. Wilson. “Choosing a Soil Amendment.” Colorado State University Cooperative Extension.
2004
<<http://www.ext.colostate.edu/pubs/garden/07235.html>>.

D, E

♠♠♠♠

Very good article with clear charts and key points bulleted.

“Helping People Understand Soils.” USDA Natural Resources Conservation Service (NRCS). 10 Aug 2004
<<http://soils.usda.gov>>.

D, E

Website with many pages on soil and surveys; scientific, very detailed. Although it has no specific information on soil amendments, it does provide help in identifying the type of soil you have, information that’s imperative for choosing a soil amendment.

Buildings

Rooftop Gardens

Belan, Gary and Betsy Otto. “Green Roofs.” Catching the Rain: A Great Lakes Resource Guide for Natural Stormwater Management July 2004: 49-52. American Rivers. 29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

G

Good

Good article about green roofs, a case study, illustrations, and important points.

Chorlton, Jan. “Sky-Gardening: Tokyo Tries to Avoid Becoming an Urban Jungle.” ABC News. 24 Jan 2001
<http://www.abcnews.go.com/sections/world/DailyNews/japan010124_tokyo.html>.

G

Good

Short news article about the new law (not new now, but in 2001) requiring skyscrapers in Tokyo to install rooftop gardens.

D’Annunzio, John A. “Design of Rooftop Gardens.” *Environmental Design & Construction*.
1 May 2003. 26 July 2004

<http://www.edcmag.com/CDA/ArticleInformation/features/BNP_Features_Item/0,4120,97797,00.html>.

G

Good

Good, detailed article with information on design elements and many aspects of roof gardens.
Nicely organized, good resource if you are considering a rooftop garden.

“Green Roofs.” NEMO - Nonpoint Education for Municipal Officials: Reducing Runoff. 5 Aug 2004
<http://nemo.uconn.edu/reducing_runoff/green_roof.htm>.

G

Good

Good information about green roofs; explains the two types, intensive and extensive. Includes a cross-sectional diagram and lists the benefits of grass roofs.

Greenroofs 101. 13 Aug 2004

<<http://www.greenroofs.com/Greenroofs101/index.htm>>.

- G** ◡◡◡◡ Excellent resource on green roofs, with plenty of detailed information, both general and scientific, on each layer of a green roof; the main website, www.greenroofs.com, has news on green roof design and progress, student forums, and links to other websites.

“Rooftop Gardens.” Urban Agriculture Notes. City Farmer. 26 July 2004

<<http://www.cityfarmer.org/rooftop59.html>>.

- G** ◡◡ Article about possible problems, advantages, and important factors to consider when building a roof garden.

Roof Leader Disconnection

“Downspout Disconnection.” Canada Mortgage and Housing Corporation. 16 July 2004

<http://www.cmhc-schl.gc.ca/en/imquaf/himu/wacon/wacon_025.cfm>.

- G** ◡◡ A good overview of the concept, its costs, associated problems and benefits.

“Downspout Disconnection Program.” Milwaukee Metropolitan Sewerage District. 22 July 2004

<<http://www.mmsd.com/projects/downspout.cfm>>.

- G** ◡◡◡ Gives step-by-step instructions, with photos, on how to disconnect a downspout, as well as a brief summary of the advantages of downspout disconnection.

“Roof Leader (Downspout) Disconnection.” Stormwater Management Options: What You Can Do. 4. 16 July 2004

<http://www.city.toronto.on.ca/wes/techservices/involved/wws/wwfmmp/pdf/virtual_workbook_cando.pdf>.

- G** ◡ A very brief summary of Roof Leader Disconnection; good for overall knowledge.

Rain Barrels & Cisterns

Belan, Gary and Betsy Otto. “Rain Barrels.” Catching the Rain July 2004: 53-55. American Rivers. 29 July 2004

<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

- G** ◡◡◡ Gives a good summary of how rain barrels work, their practicality, a case study, cross-sectional diagrams, and additional resources.

Belan, Gary and Betsy Otto. "Dry Wells." Catching the Rain July 2004: 56-58. American Rivers. 29 July 2004
<http://www.amrivers.org/doc_repository/StormwaterGuideBookFINAL_WEB.pdf>.

D ◻ ◻ ◻ ◻ Gives a good explanation of dry wells, as well as outlining the costs, advantages and disadvantages, and where to use this BMP.

Kessner, Kurt. "How to Build a Rainwater Catchment Cistern." Dancing Rabbit. 26 July 2004
<<http://www.dancingrabbit.org/building/cistern.html>>.

G ◻ ◻ ◻ ◻ Detailed step-by-step account of how the author installed a concrete cistern beneath his cottage; good for reference (both what to do and what not to do), but probably too detailed for research on cisterns in general and in comparison with other BMPs.

"Using Rain Barrels for Water Collection." Rain Barrel Guide. Copyright 2004. 16 July 2004
<<http://www.rainbarrelguide.com>>.

G ◻ ◻ ◻ ◻ Good, detailed information on rain barrels, the amount of water they collect, and how to estimate the amount of water you use; from that estimate you can weigh the pros and cons of installing a rain barrel. Also includes links to sites where you can browse and purchase different types of rain barrels.

Pollution Prevention & Good Housekeeping

"CatchBasin StormFilter." Stormwater Management Inc.
<http://www.stormwaterinc.com/products/stormfilter_cbsf.shtml>.

H ◻ ◻ ◻ Product details from the manufacturer (may not be objective); no product review, but it does have a cross-sectional drawing and a step-by-step explanation of how it works.

"Construction Site Storm Water Runoff Control." EPA - National Pollutant Discharge Elimination System (NPDES).
13 Aug 2004
<http://cfpub.epa.gov/npdes/stormwater/menuofbmps/site_20.cfm>.

E ◻ ◻ ◻ Good articles on ways to control stormwater management during construction.