# Chapter 13

# CHAPTER 13.0 INDEX AND GLOSSARY

## 13.1 INDEX

### *A*

**Aesthetics**, 6.10-1, 7.10-1

### *B*

**Benthic invertebrates**, 2.1-7, 6.6-1, 6.8-4, 7.6-1, 7.24-1, 7.24-9, 7.24-15
**Bergen County**, 2.1-1, 2.1-5, 2.1-9, 4.1-1, 4.1-2, 5.5-7, 6.1-1, 6.3-3, 6.3-4, 6.3-25, 6.4-13, 6.6-5, 6.7-5, 6.7-6, 6.8-1, 6.8-2, 6.8-3, 6.8-4, 6.11-4, 6.11-5, 6.12-2, 6.13-12, 6.14-2, 6.15-3, 6.16-4, 6.17-2, 6.18-1, 6.18-2, 6.18-3, 6.18-4, 6.18-8, 6.18-10, 6.18-11, 6.20-2, 6.20-3, 6.22-1, 7.2-2, 7.3-1, 7.3-17, 7.4-2, 7.5-4, 7.6-1, 7.8-1, 7.8-2, 7.8-5, 7.8-8, 7.13-1, 7.14-1, 7.14-2, 7.18-1, 7.18-2, 7.19-3, 7.19-6, 7.19-8, 7.19-9, 7.19-10, 7.19-11, 7.19-19, 7.21-7, 7.21-8, 7.23-2, 7.23-3, 7.24-10, 7.24-16, 8.3-2
**Bergen County Utilities Authority**, 2.1-9, 6.3-3, 6.3-4, 6.3-16, 6.5-11, 6.13-4, 6.22-1, 6.22-2, 7.3-2, 7.3-3, 7.3-4, 7.3-12, 7.3-13, 7.3-15, 7.14-1, 7.23-1, 7.23-2, 7.23-4, 8.3-2

### *C*

**Carbon monoxide**, 6.16-1, 6.16-4, 7.16-3
**Carlstadt**, 2.1-1, 2.2-6, 4.1-1, 4.1-2, 6.1-1, 6.2-17, 6.3-1, 6.3-13, 6.3-18, 6.7-5, 6.7-6, 6.10-1, 6.11-3, 6.12-2, 6.14-2, 6.18-1, 6.18-4, 6.18-5, 6.18-6, 6.18-7, 6.18-8, 6.18-9, 6.18-11, 6.18-12, 6.18-13, 6.18-14, 6.20-2, 6.20-5, 7.10-2, 7.14-1, 7.14-7, 7.19-3, 7.19-9, 7.19-10, 7.19-11, 7.19-13, 7.21-3, 7.23-1, 7.23-2, 7.23-4, 11-7, 11-8

**Clean Air Act**, 2.1-8, 2.1-9, 2.2-1, 2.2-2, 6.16-1, 6.16-2, 6.16-10, 6.16-11, 6.16-13, 7.16-1, 7.16-4, 7.16-10, 7.16-19, 11-5
**Clean Water Act**, 2.1-1, 2.1-6, 2.2-1, 2.2-2, 9-1, 11-4
**Coastal Zone Management Act**, 2.2-1, 2.2-4, 7.21-4, 11-2, 11-6
**Comprehensive Environmental Response Compensation and Liability Act**, 2.2-1, 11-2, 11-4
**Cultural resources**, 2.1-8, 2.2-3, 6.11-1, 6.11-4, 6.11-7, 7.11-1, 7.11-3, 11-6

### *D*

**Demographics**, 6.18-1, 7.19-1
**Dissolved oxygen**, 6.3-1, 6.3-2, 6.3-4, 6.3-5, 6.3-6, 6.3-7, 6.3-8, 6.3-9, 6.3-10, 6.3-11, 6.3-12, 6.3-14, 6.3-15, 6.3-16, 6.3-20, 6.4-10, 7.3-1, 7.3-9, 7.3-16

### *E*

**Economics**, 5.5-4, 5.5-5, 5.5-7, 5.5-9, 5.5-10, 5.5-12, 5.5-14, 5.5-15, 6.18-4, 6.18-14
**Empire Tract Alternative A**, 5.5-2, 5.5-8, 5.5-9, 5.5-10, 5.5-13, 5.5-15, 5.5-24, 7.1-1
**Empire Tract Alternative B**, 5.5-10, 5.5-11, 5.5-12
**Empire Tract Alternative C**, 5.5-2, 5.5-11, 5.5-12, 5.6-1
**Empire Tract Alternative D**, 2.1-7, 2.1-8, 5.5-2, 5.5-8, 5.5-13, 5.5-14, 5.5-15, 5.5-16, 5.5-20, 5.5-22, 5.5-23, 5.5-24, 5.5-25, 5.5-26, 6.16-6, 7.1-1, 7.1-2, 7.1-3, 7.2-3, 7.2-4, 7.2-5, 7.2-6, 7.2-7, 7.2-8, 7.2-9, 7.2-10, 7.2-14, 7.2-15, 7.2-16, 7.2-18, 7.2-20, 7.2-21, 7.2-22, 7.2-23, 7.2-24, 7.2-25, 7.2-27, 7.2-28, 7.2-30, 7.2-31, 7.3-2, 7.3-3, 7.3-4, 7.3-5, 7.3-6, 7.3-7, 7.3-9, 7.3-10, 7.3-12, 7.3-13, 7.3-14, 7.4-2, 7.4-3, 7.4-4, 7.4-6, 7.4-7, 7.4-8, 7.4-11, 7.4-12, 7.4-13, 7.4-14, 7.5-4, 7.5-7, 7.5-9, 7.5-10, 7.5-11, 7.5-12, 7.5-13, 7.5-14, 7.5-15, 7.5-19, 7.5-20, 7.5-21, 7.5-22, 7.5-23, 7.5-26, 7.5-28, 7.6-1, 7.6-2, 7.6-5, 7.7-1, 7.8-2, 7.8-3, 7.8-4, 7.8-6, 7.8-7, 7.8-8, 7.8-9, 7.10-1, 7.10-2, 7.11-1, 7.11-2, 7.12-1, 7.12-2, 7.12-3, 7.13-1, 7.13-2, 7.13-3, 7.13-4, 7.13-5, 7.15-1, 7.15-5, 7.15-6, 7.15-7, 7.16-1, 7.16-6, 7.16-7, 7.16-20, 7.17-1, 7.17-2, 7.18-1, 7.18-2, 7.18-3, 7.19-1, 7.19-2, 7.19-3, 7.19-4, 7.19-5, 7.19-6, 7.19-7, 7.19-8, 7.19-9, 7.19-10, 7.19-11, 7.19-12, 7.19-13, 7.19-14, 7.19-16, 7.19-17, 7.19-18, 7.20-1, 7.21-2, 7.21-3, 7.21-4, 7.22-1, 7.23-1, 7.23-2, 7.23-3, 7.23-4, 7.24-10, 7.24-13, 7.24-14, 7.24-15, 8.1-4, 8.1-5, 8.1-6, 8.1-7, 8.1-8, 8.1-9, 8.2-1, 8.2-2, 8.2-3, 8.2-4, 8.2-5, 8.2-6, 8.2-7, 8.2-10, 8.2-11, 8.2-13, 8.3-2, 8.3-3, 8.3-4, 8.3-6, 8.3-7, 8.3-8, 8.3-9

**Empire Tract Alternative E**, 2.1-2, 2.1-4, 2.1-6, 2.1-7, 2.1-8, 2.1-9, 2.1-10, 2.2-4, 5.5-2, 5.5-14, 5.5-15, 5.5-16, 5.5-17, 5.5-20, 5.5-22, 5.5-23, 5.5-26, 5.5-27, 6.16-6, 7.1-1, 7.1-3, 7.2-8, 7.2-9, 7.2-16, 7.2-21, 7.2-22, 7.2-23, 7.2-24, 7.2-25, 7.2-26, 7.2-27, 7.2-28, 7.2-29, 7.2-30, 7.3-7, 7.3-12, 7.3-13, 7.3-14, 7.3-15, 7.3-16, 7.4-8, 7.4-9, 7.4-11, 7.4-12, 7.4-13, 7.4-14, 7.5-14, 7.5-23, 7.5-24, 7.5-25, 7.5-26, 7.5-27, 7.5-28, 7.5-29, 7.6-4, 7.6-5, 7.6-6, 7.7-1, 7.8-3, 7.8-7, 7.8-8, 7.8-9, 7.8-10, 7.8-12, 7.10-2, 7.10-3, 7.11-2, 7.12-3, 7.13-5, 7.13-6, 7.13-7, 7.13-9, 7.14-4, 7.14-5, 7.14-12, 7.14-5, 7.14-6, 7.14-7, 7.14-8, 7.14-9, 7.14-10, 7.14-12, 7.15-1, 7.15-6, 7.15-7, 7.15-9, 7.15-10, 7.15-14, 7.15-16, 7.15-17, 7.15-20, 7.15-21, 7.15-28, 7.15-31, 7.16-1, 7.16-6, 7.16-7, 7.17-2, 7.18-2, 7.18-3, 7.19-18, 7.20-2, 7.21-4, 7.21-5, 7.22-1, 7.22-2, 7.23-4, 7.24-10, 7.24-11, 7.24-12, 7.24-13, 7.24-14, 7.24-15, 7.24-16, 7.24-17, 8.1-4, 8.1-6, 8.1-7, 8.1-8, 8.1-9, 8.2-1, 8.2-3, 8.2-5, 8.2-6, 8.2-11, 8.2-12, 8.2-13, 8.2-15, 8.2-17, 8.2-18, 8.2-20, 8.3-1, 8.3-2, 8.3-3, 8.3-4, 8.3-6, 8.3-8, 8.3-9, 8.3-10, 11-3, 11-6

**Endangered species**, 2.1-8, 2.2-1, 2.2-2, 6.8-1, 6.8-2, 6.8-3, 6.8-4, 6.8-9, 6.9-1, 7.8-1, 7.8-3, 7.8-9, 7.24-1, 7.24-3, 7.24-9, 7.24-15

**Endangered Species Act of 1973**, 2.2-1, 2.2-3, 6.9-1, 7.5-32, 11-2, 11-5, 11-5

**Energy Supply**, 6.22-2

**Essential fish habitat**, 2.2-3, 6.4-6, 6.4-7, 6.4-13, 7.2-33, 7.4-7

## *F*

**Federal Aviation Administration**, 4.2-5, 4.2-6, 5.5-4, 5.5-10, 5.5-12, 6.19-1, 7.20-1, 7.20-3

**Federal Emergency Management Agency**, 4.2-5, 6.1-3, 6.13-1, 6.13-2, 6.13-3, 6.13-6, 6.13-12, 7.2-20, 7.13-1, 7.13-4, 7.19-5, 7.24-10, 7.24-15

**Federal Highway Administration**, 6.2-34, 6.16-6, 6.16-11, 6.21-2, 6.21-3, 6.21-4, 6.21-6, 6.21-7, 7.3-11, 7.13-9, 7.22-2

**Federal Transit Administration**, 6.16-11

**Fish and shellfish**, 7.4-1, 7.4-2, 7.24-16

**Flooding**, 2.1-8, 2.2-4, 6.2-3, 6.2-4, 6.2-33, 6.13-1, 6.13-3, 6.13-6, 6.13-7, 6.13-12, 7.2-20, 7.2-29, 7.13-1, 7.13-4, 7.24-1, 7.24-10, 7.24-15, 8.1-3, 8.1-9, 8.2-20, 8.3-2, 11-2

**Flood Insurance Study**, 6.13-2, 6.13-3

**Floodplain values**, 6.13-1, 7.13-1

## *G*

**Greiner Engineering Services**, 6.3-11, 6.3-14, 6.3-15, 6.3-16, 6.3-17, 6.3-20, 6.3-24, 6.3-25, 6.5-22, 6.5-28, 6.6-4

**Groundwater**, 6.1-4, 6.1-5, 6.1-6, 6.1-7, 6.2-3, 6.2-13, 6.2-36, 6.2-37, 6.3-11, 6.3-21, 6.7-7, 6.13-7, 6.13-8, 6.13-12, 7.3-12, 7.3-16, 8.2-4

## *H*

**Hackensack Meadowlands District**, 2.1-5, 2.1-7, 2.1-10, 2.2-5, 4.1-1, 4.1-2, 4.2-2, 4.2-3, 4.3-1, 5.4-6, 6.1-1, 6.1-2, 6.1-3, 6.2-3, 6.2-4, 6.2-5, 6.2-7, 6.2-8, 6.2-9, 6.2-10, 6.2-11, 6.2-12, 6.2-13, 6.2-16, 6.2-18, 6.2-19, 6.2-20, 6.2-23, 6.2-28, 6.2-30, 6.2-32, 6.2-33, 6.3-4, 6.3-7, 6.3-11, 6.3-16, 6.3-23, 6.4-6, 6.4-7, 6.4-9, 6.5-1, 6.5-2, 6.5-3, 6.5-4, 6.5-5, 6.5-6, 6.5-7, 6.5-8, 6.5-9, 6.5-11, 6.5-12, 6.5-15, 6.5-18, 6.5-22, 6.5-24, 6.5-31, 6.5-32, 6.7-1, 6.8-1, 6.8-6, 6.8-7, 6.10-1, 6.12-1, 6.12-2, 6.13-1, 6.13-2, 6.13-3, 6.14-1, 6.18-1, 6.18-6, 6.18-7, 6.18-8, 6.18-9, 6.18-10, 6.20-1, 6.20-2, 6.20-3, 6.21-4, 7.1-2, 7.2-1, 7.2-2, 7.2-3, 7.2-4, 7.2-5, 7.2-6, 7.2-10, 7.2-11, 7.2-12, 7.2-16, 7.2-17, 7.2-22, 7.2-23, 7.2-24, 7.2-28, 7.2-29, 7.3-4, 7.3-5, 7.3-12, 7.4-1, 7.4-2, 7.5-1, 7.5-2, 7.5-3, 7.5-9, 7.5-10, 7.5-12, 7.5-18, 7.5-19, 7.5-20, 7.5-21, 7.5-23, 7.5-24, 7.5-25, 7.5-26, 7.5-27, 7.7-1, 7.8-1, 7.8-2, 7.8-4, 7.8-5, 7.8-6, 7.8-7, 7.8-8, 7.9-1, 7.13-1, 7.14-2, 7.14-3, 7.19-3, 7.19-9, 7.19-17, 7.21-2, 7.21-3, 7.21-4, 7.21-5, 7.21-6, 7.21-7, 7.24-2, 7.24-3, 7.24-4, 7.24-5, 7.24-6, 7.24-8, 7.24-9, 7.24-10, 7.24-13, 7.24-14, 7.24-15, 7.24-16, 8.1-3, 8.1-7, 8.3-1, 8.3-2, 8.3-5, 11-3, 11-6

**Hackensack Meadowlands Transportation Study**, 7.14-2, 7.14-5, 7.14-6, 7.14-13, 7.15-13, 7.15-33

**Hackensack River**, 2.1-2, 2.1-5, 2.1-6, 2.1-7, 2.1-8, 2.1-10, 4.1-1, 4.1-3, 4.2-1, 5.3-1, 5.5-6, 5.5-8, 5.5-16, 5.5-19, 5.5-25, 5.5-26, 6.1-1, 6.1-2, 6.1-3, 6.1-4, 6.1-5, 6.1-6, 6.2-5, 6.2-6, 6.2-7, 6.2-8, 6.2-9, 6.2-10, 6.2-11, 6.2-12, 6.2-13, 6.2-14, 6.2-15, 6.2-16, 6.2-17, 6.2-18, 6.2-19, 6.2-22, 6.2-25, 6.2-26, 6.2-27, 6.2-30, 6.2-31, 6.2-32, 6.2-33, 6.3-1, 6.3-3, 6.3-4, 6.3-5, 6.3-6, 6.3-7, 6.3-8, 6.3-9, 6.3-10, 6.3-11, 6.3-12, 6.3-13, 6.3-14, 6.3-15, 6.3-16, 6.3-17, 6.3-21, 6.3-22, 6.3-23, 6.3-25, 6.4-1, 6.4-2, 6.4-3, 6.4-4, 6.4-6, 6.4-7, 6.4-8, 6.4-9, 6.4-10, 6.4-12, 6.5-6, 6.5-11, 6.5-12, 6.5-19, 6.5-20, 6.5-21, 6.5-34, 6.6-1, 6.6-2, 6.6-3, 6.6-4, 6.6-5, 6.6-6, 6.7-1, 6.7-3, 6.8-8, 6.8-10, 6.9-2, 6.10-1, 6.11-3, 6.11-4, 6.11-5, 6.12-1, 6.12-2, 6.12-4, 6.13-2, 6.13-3, 6.13-

4, 6.13-5, 6.13-6, 6.13-7, 6.13-8, 6.13-10, 6.13-11, 6.14-2, 6.17-1, 6.18-6, 6.19-1, 6.20-1, 6.20-2, 6.20-4, 7.2-1, 7.2-2, 7.2-5, 7.2-6, 7.2-8, 7.2-11, 7.2-17, 7.2-18, 7.2-19, 7.2-20, 7.2-22, 7.2-23, 7.2-24, 7.2-25, 7.2-26, 7.2-27, 7.3-1, 7.3-2, 7.3-3, 7.3-4, 7.3-5, 7.3-6, 7.3-7, 7.3-9, 7.3-10, 7.3-12, 7.3-13, 7.3-15, 7.3-17, 7.4-1, 7.4-2, 7.4-3, 7.4-6, 7.4-7, 7.4-12, 7.4-13, 7.5-2, 7.5-10, 7.5-21, 7.5-28, 7.6-1, 7.6-2, 7.6-4, 7.6-5, 7.10-1, 7.10-2, 7.11-1, 7.13-1, 7.13-2, 7.13-3, 7.13-4, 7.13-5, 7.13-6, 7.13-7, 7.14-2, 7.14-7, 7.14-11, 7.18-2, 7.20-1, 7.21-2, 7.21-3, 7.21-4, 7.24-2, 7.24-3, 7.24-5, 7.24-6, 7.24-7, 7.24-8, 7.24-10, 7.24-11, 7.24-12, 7.24-13, 7.24-15, 7.24-16, 8.1-4, 8.1-6, 8.2-2, 8.2-3, 8.2-4, 8.2-5, 8.2-7, 8.2-8, 8.2-11, 8.2-12, 8.2-13, 8.2-14, 8.2-17, 8.2-18, 8.3-2, 8.3-3, 8.3-5, 8.3-6, 8.3-7, 8.3-9

**Hackensack River Hydrology**, 6.2-16, 6.2-34

**Human health**, 6.17-1, 7.18-1

**Hydrology**, 6.1-3, 6.13-1, 6.13-2, 6.13-5, 6.13-7, 7.2-31, 7.13-1, 7.13-9, 8.2-9, 8.2-11, 8.2-14, 8.2-16

## *I*

**Indicator Value Assessment**, 2.1-5, 6.2-3, 6.2-4, 6.2-5, 6.2-12, 6.2-19, 6.2-21, 6.2-22, 6.2-23, 6.5-2, 6.5-31, 6.5-32, 7.2-10, 7.2-11, 7.2-12, 7.2-13, 7.2-14, 7.2-15, 7.2-16, 7.2-18, 7.2-20, 7.2-24, 7.2-28, 7.2-29, 8.1-2, 8.1-3, 8.2-1, 8.3-7

**Intermunicipal Tax Sharing Fund**, 7.19-9, 7.19-10

## *L*

**Land use**, 2.2-2, 5.4-15, 6.3-25, 6.5-34, 6.20-1, 7.14-2, 7.15-8, 7.15-9, 7.15-11, 7.15-12, 7.19-2, 7.21-1, 7.21-2, 7.21-3, 7.21-4, 7.21-5, 11-4

**Liquefied natural gas**, 6.17-1, 6.17-2, 7.18-2

## *M*

**Marine Protection, Research and Sanctuaries Act of 1972**, 6.9-1, 6.9-3

**Marine sanctuaries**, 6.9-1, 7.9-1

**Marsh surface invertebrates**, 6.6-4, 6.6-6

**Meadowland Mills**, 4.2-3, 5.4-18, 6.3-1, 6.4-13, 6.16-13, 7.2-16, 7.2-33, 7.3-4, 7.3-17, 7.11-1, 7.14-13, 7.15-6, 7.21-1, 8.2-5, 8.2-18, 8.3-12, 11-3

**Meadowlands Town Center Alternative**, 5.5-5, 5.5-6, 5.5-8

**Metropolitan Planning Organizations**, 6.16-11

**Mixed-use commercial development**, 5.4-4, 5.4-7, 5.4-8, 5.4-9

## *N*

**National Ambient Air Quality Standards**, 6.16-1, 6.16-2, 6.16-4, 6.16-6, 6.16-10, 6.16-13, 7.16-3, 7.16-4, 7.16-19

**National Cooperative Highway Research Program**, 7.15-9, 7.15-12, 7.15-33

**National Fire Protection Association**, 7.23-1

**National Geodetic Vertical Datum**, 4.2-1, 5.5-8, 6.2-16, 6.12-2, 6.12-4, 6.13-6, 6.13-7, 6.13-8, 7.12-2, 7.13-1, 7.13-4, 7.13-5, 7.13-7, 8.2-3, 8.2-4, 8.2-8, 8.2-9, 8.2-10, 8.2-11, 8.2-13, 8.2-14, 8.2-15, 8.2-16, 8.2-17, 8.2-18

**National Environmental Policy Act**, 2.1-1, 2.1-6, 2.2-1, 4.1-1, 4.3-1, 5.1-1, 5.1-2, 5.3-1, 5.3-2, 5.4-1, 7.4-7, 7.19-14, 7.19-19, 7.24-4, 9-3, 11-1, 11-2

**National Marine Fisheries Service**, 6.4-6, 6.4-10, 7.4-7, 9-3, 11-1, 11-5

**National Oceanographic and Atmospheric Administration**, 6.3-25, 6.4-6, 6.4-7, 6.4-13, 6.6-1, 6.6-7, 7.2-33

**National Urban Runoff Program**, 6.3-19, 6.3-20, 7.3-4, 7.3-5

**Natural Heritage Program**, 6.8-1, 11-5

**Natural Resources Conservation Service**, 6.12-2, 6.12-4, 7.12-1

Navigation, 6.19-1, 7.20-1, 7.20-3

**New Jersey Audubon Society**, 6.5-9, 6.5-10, 6.5-11, 6.5-12, 6.8-5, 6.8-11, 7.8-5, 7.8-6

**New Jersey Department of Environmental Protection**, 2.1-5, 2.1-9, 2.2-1, 2.2-2, 2.2-4, 5.4-19, 5.5-19, 6.2-5, 6.2-11, 6.3-2, 6.3-3, 6.3-6, 6.3-7, 6.3-12, 6.3-13, 6.3-15, 6.3-16, 6.3-17, 6.3-19, 6.3-21, 6.3-22, 6.4-8, 6.7-1, 6.7-3, 6.7-4, 6.7-5, 6.7-6, 6.8-1, 6.13-2, 6.13-12, 6.16-4, 6.16-5, 6.16-6, 6.16-7, 6.16-8, 6.16-12, 6.16-13, 6.20-2, 7.3-2, 7.3-3, 7.3-10, 7.6-4, 7.7-1, 7.8-1, 7.16-2, 7.16-7, 7.16-9, 7.16-10, 7.16-11, 7.16-12, 7.16-13, 7.16-14, 7.16-15, 7.16-16, 7.16-17, 7.16-20, 7.21-4, 7.21-5, 7.23-1, 11-1, 11-2, 11-3, 11-4, 11-5, 11-6

**NJDEP classification**, 6.3-2, 6.3-3, 6.3-6, 6.3-7, 6.3-8, 6.3-9, 6.3-10, 6.3-13, 6.3-14, 6.3-15, 6.3-16

**New Jersey Department of Transportation**, 4.1-1, 5.5-20, 5.5-21, 5.5-22, 5.5-23, 5.5-24, 5.5-25, 5.5-26, 5.5-27, 6.5-19, 6.14-1, 6.14-2, 6.14-4, 6.16-11, 6.16-13, 6.20-6, 7.14-1, 7.14-2, 7.14-4, 7.14-5, 7.15-1, 7.15-8, 7.15-9, 7.15-13, 7.15-15, 7.15-17, 7.15-19, 7.15-20, 7.15-21, 7.15-24, 7.15-27, 7.15-31

**New Jersey Meadowland Commission**, 2.1-3, 2.1-4, 2.1-5, 2.1-8, 2.1-9, 2.1-10, 2.1-11, 2.2-1, 2.2-4, 2.2-5, 2.2-6, 4.1-2, 4.2-2, 4.2-3, 4.2-5, 4.2-7, 4.3-1, 4.3-4, 4.3-6, 5.1-3, 5.4-2, 5.4-6, 5.4-10, 5.4-17, 5.5-1, 5.5-20, 5.5-21, 5.5-22, 5.5-23, 5.5-24, 5.5-25, 5.5-26, 5.5-27, 6.1-1, 6.2-5, 6.2-9, 6.2-11, 6.2-35, 6.3-4, 6.3-6, 6.3-8, 6.3-9, 6.3-10, 6.3-11, 6.3-13, 6.3-14, 6.3-15, 6.3-20, 6.4-2, 6.5-8, 6.5-9, 6.5-13, 6.5-14, 6.6-2, 6.7-5, 6.11-5, 6.13-4, 6.14-2, 6.14-4, 6.16-11, 6.18-1, 6.18-6, 6.20-2, 6.20-3, 6.21-4, 7.1-3, 7.2-20, 7.2-25, 7.2-29, 7.3-17, 7.10-1, 7.10-2, 7.13-2, 7.14-1, 7.14-2, 7.14-7, 7.14-9, 7.14-10, 7.15-5, 7.15-6, 7.15-8, 7.15-11, 7.15-12, 7.15-13, 7.15-31, 7.15-32, 7.16-1, 7.19-9, 7.21-3, 7.21-4, 7.21-5, 7.21-6, 7.21-7, 7.22-1, 7.22-4, 7.24-3, 7.24-5, 7.24-6, 7.24-8, 7.24-13, 7.24-14, 8.2-3, 8.3-8, 9-3, 11-2, 11-3, 11-4, 11-6, 11-7

**New Jersey Pollutant Discharge Elimination System**, 6.22-1

**New Jersey State Implementation Plan**, 6.16-2, 6.16-10, 6.16-12, 6.16-13, 7.16-7, 7.16-8, 7.16-20 7.16-2, 7.16-5, 7.16-6

**New Jersey State Planning Commission**, 7.21-7, 7.21-8

**New Jersey Turnpike**, 2.1-1, 2.1-5, 4.1-1, 4.2-1, 4.2-3, 4.2-5, 4.3-1, 4.3-9, 5.3-2, 5.5-5, 5.5-6, 5.5-8, 5.5-10, 5.5-11, 5.5-13, 5.5-15, 5.5-16, 5.5-20, 5.5-22, 5.5-23, 5.5-24, 5.5-25, 5.5-26, 5.5-27, 5.5-28, 6.1-1, 6.1-3, 6.2-16, 6.2-33, 6.3-4, 6.3-11, 6.3-13, 6.3-15, 6.4-2, 6.4-13, 6.5-18, 6.5-21, 6.5-30, 6.5-32, 6.7-2, 6.7-5, 6.8-8, 6.10-1, 6.11-3, 6.11-5, 6.12-3, 6.12-4, 6.13-6, 6.14-1, 6.15-3, 6.15-4, 6.15-5, 6.16-11, 6.17-1, 6.20-1, 6.20-2, 7.1-3, 7.2-7, 7.2-10, 7.2-26, 7.3-1, 7.5-28, 7.6-1, 7.6-4, 7.10-1, 7.10-2, 7.12-1, 7.12-3, 7.13-2, 7.13-3, 7.13-6, 7.14-1, 7.14-3, 7.14-4, 7.14-6, 7.14-7, 7.14-8, 7.14-10, 7.14-11, 7.15-1, 7.15-5, 7.15-7, 7.15-10, 7.15-13, 7.16-19, 7.18-2, 7.20-1, 7.21-3, 7.24-11, 8.2-2, 8.2-4, 8.2-5, 8.2-7, 8.2-12, 8.2-16, 8.3-6, 11-7

**New Jersey Turnpike Authority**, 2.1-1, 4.1-1, 4.1-2, 5.5-20, 5.5-21, 5.5-23, 5.5-24, 5.5-25, 5.5-26, 6.4-8, 6.4-13, 6.14-1, 6.14-2, 6.16-11, 7.14-1, 7.14-2, 7.15-1

**No-Action Alternative**, 2.1-3, 2.1-4, 2.1-6, 5.3-1, 5.3-2, 5.3-3, 5.6-1, 6.2-13, 7.1-1, 7.1-2, 7.2-1, 7.2-2, 7.2-3, 7.2-8, 7.2-9, 7.2-13, 7.2-25, 7.2-26, 7.3-1, 7.4-1, 7.4-2, 7.4-3, 7.4-4, 7.4-5, 7.4-9, 7.4-13, 7.4-14, 7.5-1, 7.5-3, 7.5-4, 7.5-19, 7.5-20, 7.5-21, 7.6-1, 7.6-2, 7.7-1, 7.8-1, 7.8-2, 7.8-3, 7.9-1, 7.10-1, 7.12-1, 7.12-2, 7.13-1, 7.14-1, 7.14-3, 7.14-4, 7.15-1, 7.16-1, 7.16-2, 7.17-1, 7.18-1, 7.18-2, 7.19-1, 7.20-1, 7.21-1, 7.22-1, 7.22-3, 7.24-4, 7.24-5, 7.24-8, 7.24-9, 7.24-10, 7.24-16, 8.1-6

**Noise**, 2.1-9, 5.3-3, 6.21-1, 6.21-2, 6.21-3, 6.21-4, 6.21-5, 6.21-6, 6.21-7, 7.22-1, 7.22-2, 7.22-3, 7.22-5

## *O*

**Off-Site Alternatives**, 5.4-4, 5.4-8, 5.4-16

## *P*

**Planned Development Area**, 6.11-4, 6.11-5, 6.11-6

**Planned Development Center**, 2.2-5, 2.2-6, 4.2-2, 4.2-3, 4.2-6, 6.20-3, 6.20-6, 7.21-4, 7.21-6, 11-3, 11-6

**Planned Unit Development**, 2.2-5, 4.2-2, 4.2-3, 6.20-3, 7.21-4, 7.21-6, 11-3

**Polychlorinated biphenyl compounds**, 6.6-1

**Population impacts**, 7.5-7, 7.5-9, 7.5-23, 7.5-24

**Potable water supply facilities**, 6.22-1

**Public Service Electric & Gas Company**, 2.1-9, 6.2-30, 6.3-4, 6.3-6, 6.22-2, 7.3-3, 7.23-3

**Public Transit**, 6.14-6, 7.14-3, 7.14-5, 7.14-12

## *R*

**Recreation**, 6.2-3, 6.2-4, 6.2-33, 6.18-6, 6.18-12, 6.20-1, 6.20-4, 7.2-6, 7.2-14, 7.2-20, 7.2-30, 7.10-2, 8.1-9

**Regional Plan Association**, 7.21-8

**Resource Conservation and Recovery Act**, 2.2-1, 2.2-2, 11-2, 11-4

## *S*

**Sediment quality** 6.3-21

**Signalized intersection locations**, 6.14-4, 6.15-6

**Socioeconomics**, 2.1-9, 5.3-3, 618-1, 7.19-1

**Soil Erosion and Sediment Control Act**, 2.2-1, 11-2

**Solid waste**, 6.7-4, 6.22-2

**Special Area Management Plan**, 2.1-3, 2.1-4, 5.1-3, 5.4-1, 5.4-10, 6.2-3, 6.2-5, 6.2-9, 6.2-11, 6.2-19, 6.3-4, 6.5-2, 6.5-4, 6.5-7, 6.5-32, 6.7-1, 6.11-5, 6.12-1, 6.13-3, 6.13-4, 6.13-5, 7.1-1, 7.2-5, 7.3-4, 7.3-5, 7.3-7, 7.3-12, 7.24-5, 7.24-13

**Specially Planned Area**, 7.21-4, 11-6

**State Historic Preservation Office**, 2.1-8, 2.2-3, 6.11-5, 7.11-1, 7.11-2, 7.11-3, 11-6

**Storm water**, 5.5-7, 6.2-16, 6.2-18, 7.2-20, 7.3-4, 7.3-9, 7.3-10, 7.3-12, 7.5-17, 7.6-2, 7.13-2, 7.13-6, 7.23-3, 7.23-4, 8.1-1, 8.2-3, 8.2-7, 8.2-9, 8.2-11, 8.3-3, 8.3-7

**Superfund Authorization and Reauthorization Act**, 2.2-1, 2.2-2, 11-2, 11-4

## *T*

**TAMS Supplemental Application Information Submission**, 6.1-7, 6.2-37, 6.3-26, 6.7-8, 6.12-6, 6.13-12, 7.2-33, 7.13-9

**Threatened species**, 2.1-8, 6.8-1, 6.8-2, 6.8-3, 6.8-4, 6.8-9, 7.8-1, 7.8-3, 7.24-1, 7.24-3, 7.24-9, 7.24-15

**Traffic**, 2.1-8, 2.1-10, 5.3-2, 5.5-20, 6.14-2, 6.14-3, 6.14-7, 6.15-1, 6.15-3, 6.15-4, 6.15-5, 6.15-6, 6.15-8, 6.16-13, 6.21-3, 6.21-5, 6.21-6, 6.21-7, 7.14-6, 7.14-13, 7.15-1, 7.15-2, 7.15-7, 7.15-8, 7.15-12, 7.15-14, 7.15-22, 7.15-28, 7.15-29, 7.15-30, 7.15-31, 7.15-33, 7.16-4, 7.16-11, 7.16-20, 7.20-1, 7.22-2, 7.22-3, 7.22-5, 8.1-1

**Traffic Impact Study**, 6.14-7, 6.15-8, 7.14-13, 7.15-33

**Transportation**, 2.1-8, 4.1-1, 4.2-7, 4.3-9, 5.5-20, 5.5-22, 5.5-23, 5.5-24, 5.5-25, 5.5-26, 6.2-34, 6.14-1, 6.15-1, 6.15-4, 6.15-8, 6.16-6, 6.16-11, 6.16-13, 6.17-1, 6.20-1, 6.21-3, 6.21-7, 7.13-9, 7.14-1, 7.14-2, 7.14-13, 7.15-1, 7.15-2, 7.15-8, 7.15-11, 7.15-12, 7.15-33, 7.16-1, 7.16-2, 7.16-7, 7.16-18, 7.16-20, 11-7

**Transportation Improvement Program**, 6.16-11, 7.14-1, 7.14-3, 7.16-1, 7.16-18

## *U*

**United States Army Corps of Engineers**, 2.1-1, 2.1-2, 2.1-3, 2.1-4, 2.1-6, 2.1-7, 2.1-8, 2.1-9, 2.2-1, 2.2-2, 2.2-3, 2.2-4, 4.1-1, 4.1-2, 4.3-1, 4.3-9, 4.3-10, 5.1-1, 5.1-2, 5.1-3, 5.2-1, 5.3-1, 5.3-2, 5.4-1, 5.4-4, 5.4-7, 5.4-8, 5.4-9, 5.4-10, 5.4-14, 5.4-16, 5.4-17, 5.4-18, 5.4-19, 5.6-1, 5.6-2, 5.5-8, 5.5-16, 5.5-21, 5.5-28, 6.1-1, 6.1-2, 6.1-5, 6.1-7, 6.2-1, 6.2-2, 6.2-3, 6.2-5, 6.2-9, 6.2-11, 6.2-12, 6.2-17, 6.2-26, 6.2-32, 6.2-38, 6.3-3, 6.3-4, 6.3-17, 6.3-26, 6.4-1, 6.4-4, 6.4-9, 6.4-10, 6.4-14, 6.5-2, 6.5-3, 6.5-4, 6.5-5, 6.5-6, 6.5-7, 6.5-8, 6.5-9, 6.5-12, 6.5-32, 6.5-35, 6.6-1, 6.6-2, 6.6-7, 6.7-1, 6.7-8, 6.8-1, 6.8-4, 6.8-8, 6.8-11, 6.11-1, 6.11-5, 6.11-8, 6.12-1, 6.12-6, 6.13-1, 6.13-3, 6.13-4, 6.13-7, 6.13-12, 6.14-2, 6.16-12, 6.16-13, 6.17-1, 6.18-1, 6.18-10, 6.18-14, 7.1-2, 7.2-4, 7.2-10, 7.2-15, 7.2-16, 7.4-9, 7.4-13, 7.2-20, 7.2-24, 7.2-27, 7.2-28, 7.2-30, 7.2-33, 7.3-4, 7.3-5, 7.3-7, 7.3-12, 7.3-16, 7.3-17, 7.5-9, 7.5-14, 7.5-28, 7.5-32, 7.6-1, 7.6-7, 7.7-1, 7.7-2, 7.7-3, 7.8-1, 7.8-8, 7.8-12, 7.11-1, 7.11-2, 7.11-3, 7.13-2, 7.15-29, 7.15-32, 7.16-1, 7.16-5, 7.16-10, 7.16-11, 7.18-2, 7.19-14, 7.21-1, 7.21-2, 7.21-3, 7.21-8, 7.24-3, 7.24-4, 7.24-6, 7.24-10, 7.24-14, 8.1-1, 8.1-10, 8.2-1, 8.2-5, 8.2-7, 8.2-8, 8.2-12, 8.2-14, 8.2-18, 8.3-2, 8.3-4, 8.3-5, 8.3-7, 8.3-8, 8.3-9, 8.3-10, 8.3-11, 9-1, 9-2, 9-3, 11-1, 11-2, 11-3, 11-4, 11-5, 11-6, 11-7

**U.S. Department of Agriculture, Soil Conservation Service (now referred to as the Natural Resources Conservation Service)**, 7.13-3, 7.13-9

**United States Department of Transportation**, 6.16-11, 6.17-1, 6.17-2, 6.19-1, 7.18-2

**United States Environmental Protection Agency**, 2.1-4, 2.1-6, 2.2-2, 5.6-2, 5.5-8, 5.5-9, 5.5-11, 5.5-16, 6.1-1, 6.1-2, 6.1-7, 1, 3, 6.2-4, 6.2-5, 6.2-9, 6.2-11, 6.2-12, 6.2-17, 6.2-21, 6.2-38, 6.3-1, 6.3-3, 6.3-4, 6.3-6, 6.3-7, 6.3-8, 6.3-9, 6.3-10, 6.3-14, 6.3-17, 6.3-20, 6.3-26, 6.4-1, 6.4-4, 6.4-10, 6.4-14, 6.5-2, 6.5-3, 6.5-4, 6.5-5, 6.5-6, 6.5-7, 6.5-8, 6.5-9, 6.5-32, 6.5-35, 6.6-1, 6.6-7, 6.7-1, 6.7-4, 6.7-8, 6.8-1, 6.8-4, 6.8-8, 6.8-11, 6.9-2, 6.9-3, 6.11-1, 6.11-5, 6.11-8, 6.12-1, 6, 6.13-1, 6.13-3, 6.13-4, 6.13-12, 6.16-1, 6.16-2, 6.16-4, 6.16-6, 6.16-7, 6.16-8, 6.16-11, 6.16-12, 6.16-13, 6.18-1, 6.18-10, 6.18-14, 6.21-1, 7.2-1, 7.2-4, 7.2-10, 7.2-15, 7.2-16, 7.2-22, 7.2-24, 7.2-27, 7.2-28, 7.2-33, 7.3-1, 7.3-4, 7.3-5, 7.3-7, 7.3-12, 7.6-17, 7.5-9, 7.5-15, 7.5-31, 7.5-32, 7.6-1, 7.6-7, 7.7-1, 7.7-3, 7.8-1, 7.8-7, 7.8-12, 7.16-1, 7.16-2, 7.16-4, 7.16-5, 7.16-8, 7.16-11, 7.16-12, 7.16-13, 7.16-14, 7.16-15, 7.16-16, 7.16-17, 7.16-20, 7.19-16, 7.19-17, 7.21-2, 7.21-3, 7.21-8, 7.24-4, 8.2-1, 8.2-7, 8.3-5, 8.3-12, 9-1, 9-2, 9-3, 11-1, 11-4

**United States Fish and Wildlife Service**, 6.1-2, 6.1-7, 6.2-14, 6.2-30, 6.2-38, 6.3-5, 6.4-2, 6.4-4, 6.4-14, 6.5-2, 6.5-3, 6.5-7, 6.5-8, 6.5-9, 6.5-18, 6.5-20, 6.5-33, 6.5-35, 6.8-8, 6.8-11, 6.9-1, 6.9-2, 6.9-3, 7.2-1, 7.2-16, 7.2-33, 7.5-2, 7.5-16, 7.5-21, 7.5-26, 7.5-32, 7.8-8, 7.24-3, 8.1-1, 8.1-10, 9-3, 11-1

**United States Geological Survey**, 5.4-10, 6.3-4, 6.5-10

**Urban Land Institute**, 4.2-3, 4.3-5, 4.3-7, 4.3-9, 4.3-10, 4.3-11

**Unsignalized intersection locations**, 6.14-5, 6.15-7

## *W*

**Wastewater Treatment Plan**, 7.23-1, 7.23-2
**Water quality**, 2.1-7, 6.1-2, 6.2-22, 6.3-1, 6.3-2, 6.3-3, 6.3-11, 7.1-2, 7.2-4, 7.2-22, 7.2-25, 7.3-1, 7.4-4, 7.5-5, 7.24-8
**Water Quality Improvement**, 6.2-4, 6.2-22, 6.2-36, 7.2-14, 7.2-27, 7.2-31, 8.3-2
**Wetland Evaluation Technique**, 6.2-2, 6.2-3, 6.2-4, 6.2-11, 6.2-12, 6.5-2, 7.2-12, 7.5-30, 8.1-3
**Wetland Functional Assessment Methodologies**, 6.2-2
**Wetland mitigation**, 4.1-3
**Wildlife habitat**, 6.2-22, 7.5-1

## *Z*

**Zoning**, 4.2-2, 5.4-14, 6.20-1, 6.20-3, 6.20-4, 6.20-5, 6.20-6, 6.20-7, 7.21-1, 7.21-5, 7.21-6, 7.21-7, 7.24-5

## 13.2 GLOSSARY

| Term | Definition |
|---|---|
| **amphipod** | Any small, flat-bodied crustacean of the order Amphipoda, having one set of limbs adapted for swimming and another for hopping. |
| **anadromous fish** | Fish that typically inhabit seas or lakes but ascend to freshwater streams to spawn. |
| **anaerobiasis** | Action by anaerobic bacteria that results in reduction and transformation of compounds. |
| **arithmetic mean** | Z is the arithmetic mean of x and y if z is one half of the sum of x and y; also know as the "average" value. |
| **benthic** | Bottom-dwelling. |
| **berm** | A low shelf or narrow terrace, usually constructed of earth material. |
| **biomass** | The total mass of living organisms in a given area, in terms of weight per unit area. |
| **biota** | The animal and plant life of a region; flora and fauna collectively. |
| **brackish** | Having a salinity intermediate between that of normal sea water and that of normal fresh water. |
| **carrying capacity** | The maximum population of a species that can be supported in a given environment. |
| **catadromous fish** | Migrating from fresh water to spawn in the sea. |
| **Class** | Class is usually used in conjunction with an office property and refers to the quality of property. |
| **Class A+** | Landmark quality, high-rise building with prime central business district location (the best of the Class A buildings). |
| **Class A** | Generally 100,000 square feet or larger (five or more floors), concrete and steel construction, built since 1980, business/support amenities, strong identifiable location/access. |
| **Class B** | Renovated and in good locations. Newer buildings are smaller in size, wood frame construction, and/or in non-prime location. |
| **Class C** | Older, unrenovated of any size in average to fair condition. |
| **coliform** | Of, or pertaining to any, of several bacillus bacteria, especially *Escherichia coli* and members of the genus Aerobacter, that are normally present in the colon and that indicate fecal contamination when found in a water supply. |
| **conductivity** | Refers to hydraulic conductivity or permeability; the rate of discharge of water under laminar flow conditions through a unit cross-sectional area of a porous medium under a unit hydraulic gradient and standard temperature conditions; a measure of the ability of water to flow through media. |
| ***de minimis*** | EPA defines the *de minimis* emission rates for various air pollutants within nonattainment and maintenance areas. If the total direct and indirect emissions caused by a federally sponsored or approved action would equal or exceed any of the emission rates, a conformity determination is required for that pollutant. |

| | |
|---|---|
| **detritus** | Fresh to partly decomposed plant and animal matter. |
| **dioxin** | A general name for a family of chlorinated hydrocarbons considered highly toxic. |
| **diversity** | The number or variety of species in a given location. |
| **ecosystem** | An ecological system composed of organisms and their environment. It is the result of interaction between biological, geochemical, and geophysical systems. |
| **emergent wetland** | Wetlands characterized by erect, rooted, herbaceous hydrophytes, excluding mosses and lichens. These wetlands are usually dominated by perennial plants that are rooted in sediment and protrude from the water. |
| **enhancement** | The manipulation of the physical, chemical, or biological characteristics of a wetland (undisturbed or degraded) site to heighten, intensify, or improve specific function(s) or to change the growth stage or composition of the vegetation present. Enhancement is undertaken for a specified purpose(s) such as water quality improvement, flood water retention, or wildlife habitat. Enhancement results in a change in wetland function(s) and can lead to a decline in other wetland functions, but does not result in a gain in wetland acres. |
| **effects range-low (ERL)** | Sediment chemistry screening values based on a biological effects correlation approach. ERL screens represent a concentration at which adverse benthic impacts are found in approximately 10% of studies. |
| **effects range-medium (ERM)** | Sediment chemistry screening values based on a biological effects correlation approach. ERM indicates a greater than 50% incidence of adverse effects to sensitive speicies and/or life stages. |
| **estuarine wetlands** | Tidally inundated wetlands with salinity greater than 0.5 parts per thousand (ppt). |
| **eutrophication** | The process whereby a body of water becomes highly productive of aquatic plants due to the input of large quantities of nutrients, resulting in lower dissolved oxygen levels in the water. |
| **floodplain** | Any relatively flat area adjoining the channel of a stream that is susceptible to being inundated by flood waters. |
| **fluvial** | Of or pertaining to rivers; produced by the action of a stream or river. |
| **forested wetland** | A wetland characterized by woody vegetation that is 6 m (20 ft) tall or taller. All water regimes are included except subtidal. |
| **geometric mean** | Z is the geometric mean of x and y if z is the square root of the product of x and y. |
| **habitat** | The environment in which the life needs of a plant or animal are supplied. |
| **Holocene** | An epoch of the Quaternary period, from the end of the Pleistocene, approximately 8,000 years ago, to the present time; also the corresponding series of rocks and deposits. |
| **hydroperiod** | The duration and extent to which a wetland is saturated or inundated. |
| **impoundment** | A body of water formed by a dam, dike, or other barrier. |

| | |
|---|---|
| ***in situ*** | Situated in its original or natural place or position. |
| **infaunal** | Pertaining to the aggregate of animals that burrow into and live in the bottom deposits of the water. |
| **intertidal** | Of or pertaining to the littoral region that is above the low-water mark and below the high-water mark. |
| **inundated** | Flooded; overspread with water. |
| **invertebrate** | Animals without a backbone, such as mollusks, arthropods, and coelenterates. |
| **landscape** | A mosaic of ecosystems. |
| **loadings** | The total amount of a contaminant carried by a specified volume of water. |
| **level of service (LOS)** | The varying degrees of congestion at an intersection, ramp, or weaving section are measured in terms of Level of Service (LOS) "A" (lowest congestion) to "F" (highest congestion). The thresholds for the LOS ranges at intersection, ramp, and weaving sections have been established in the *Highway Capacity Manual, 1997,* published by the Transportation Research Board. According to this manual, LOS "A", "B" "C" and "D" are generally considered acceptable for traffic operations and LOS "E" and "F" are generally considered unacceptable. The upper limit of LOS "E" is a measure of theoretical capacity. LOS "F" applies to facilities that operate over capacity and are susceptible to long traffic delays and break downs in traffic flow. |
| **macroinvertebrate** | An animal without a backbone and visible to the naked eye, such as the mollusks, arthropods, and coelenterates. |
| **Meadow mat** | An unconsolidated depositional sequence consisting of organic fine-grained sediments (silts and clays); peat is typically found in this depositional unit. Small discontinuous sand deposits may also be present. |
| **mitigation** | Activities carried out in order to compensate for wetlands or open waters loss or disturbance caused by regulated activities. |
| **monotypic** | Consisting of a single species or type. |
| **nitrate** | A mineral compound characterized by a fundamental anionic structure of $(NO_3)$-1. |
| **non-point source** | Sources of water pollution that generally result from land runoff, precipitation, atmospheric deposition, drainage, or seepage and that do not meet the legal definition of "point source" in the Clean Water Act. |
| **normal circumstances** | The soil and hydrologic conditions that are normally present, without regard to whether the vegetation has been removed. |
| **outwash** | Sand and gravel deposited by meltwater streams in front of the end moraine or the margin of an active glacier. |
| **palustrine** | Pertaining to material growing or deposited in a marsh. |
| **passerine** | Of, belonging, or pertaining to the order Passeriformes, comprising more than half of all birds and typically having feet adapted for perching. |

**physiographic province** A region in which all parts are similar in geologic structure and climate and which has a unified geomorphic history.

**potable** Water suitable for drinking.

**recurrence interval** Hydrologic term representing the probability that a flood event of a given magnitude will occur in any year. The recurrence interval, expresses in terms of years, is the reciprocal of the probability. For example, a 10-year flood event has a 10% probability of being equal or exceeded in any given year. A 100-year flood event has a 1% probability.

**remediation** All necessary actions to investigate and clean up any known, suspected, or threatened discharge of contaminants, including, as necessary, the preliminary assessment, site investigation, remedial investigation, remedial selection and remedial action.

**restoration** The manipulation of the physical, chemical, or biological characteristics of a site with goal of returning natural/historic functions to a former or degraded wetland.

**riffle** A area within a stream characterized by rapids.

**salinity** The total quantity of dissolved salts in seawater, measured by weight in parts per thousand, when all the carbonate has been converted to oxide, the bromine and iodine replaced by chlorine, and all of the organic matter completely oxidized.

**satellite** Commercial use usually contained in a free-standing building located on the shopping center property, but not attached to the main complex.

**scrub-shrub** Wetland areas dominated by woody vegetation less than 6m (20 ft) tall. The species include true shrubs, young trees, and trees or shrubs that are small or stunted because of environmental conditions. All water regimes except subtidal are included.

**siltation** Deposition of soil into waterways.

**stratigraphy** The science of rock strata, concerned with all characters and attributes of rocks as strata; and their interpretation in terms of mode of origin and geologic history.

**stratum** A layer of sedimentary rock, visually separable from other layers above and below.

**Superfund** Comprehensive Environmental Response, Compensation and Liability Act (CERCLA - 1980), which addresses environmental and public health dangers posed by the nation's abandoned and uncontrolled hazardous waste sites.

**super-regional** A retail development exceeding 750,000 square feet and including three or more department stores.

**terminal moraine** The outermost end moraine of a glacier or ice sheet, marking the maximum advance of the ice.

**tidal marsh** A marsh bordering a coast, formed of mud and of the resistant mat of roots of salt-tolerant plants, and regularly inundated during high tides.

**tidal prism** The volume of water introduced to an estuary during a flood tide from the seaward boundary.

**tide gate** A structure installed at the end of a stream and used to regulate or prohibit tidal flow. Tide gates allow one way flow (out).

**till** Unstratified drift, deposited directly by a glacier and consisting of clay, silt, sand, gravel, and boulders.

**toxicity** The quality, relative degree, or specific degree of being toxic or poisonous.

**turbidity** A measure of the clarity of the water column, which is a function of suspended particles.

**varve** A sedimentary layer deposited in a body of still water within 1 year's time.

**watershed** The smallest drainage area of a specific creek, stream, river, pond, lake or other surface water body within which a particular site is located; a drainage basin.

**wetland** An area that is inundated or saturated by water or groundwater at a frequency and a duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, commonly known as hydrophitic vegetation.