



Habitat Protection

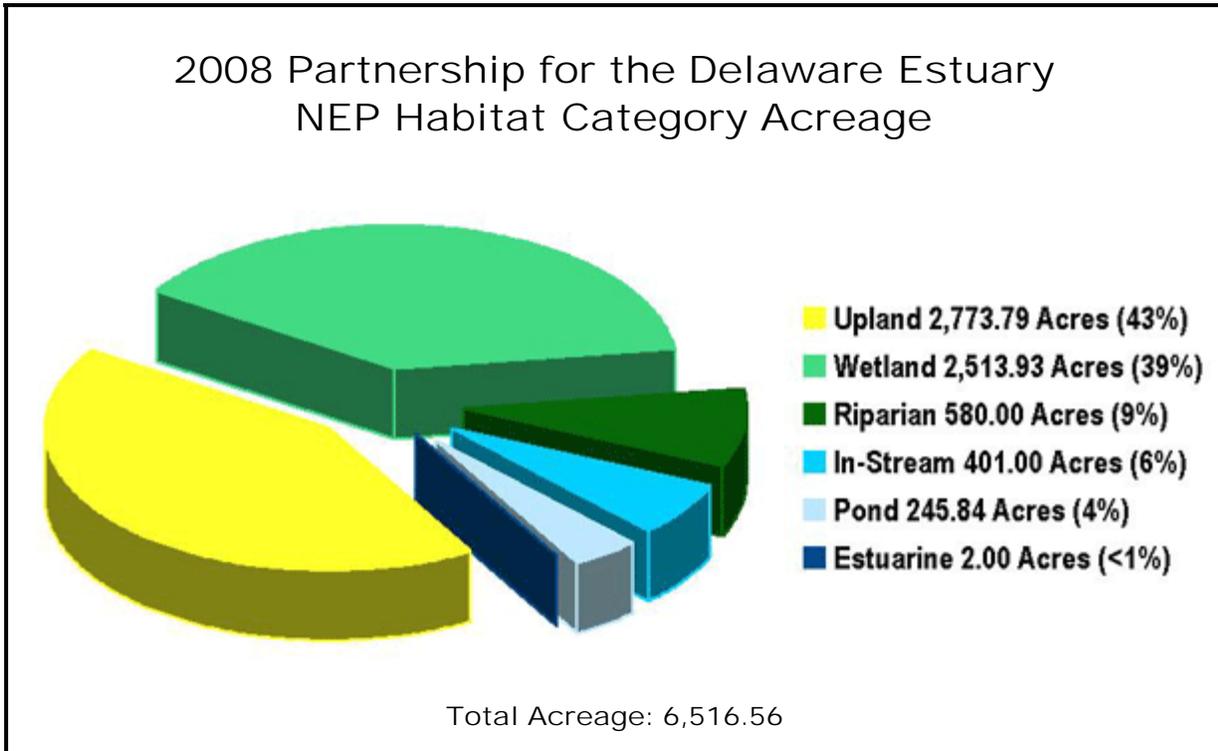
[Contact Us](#) | [Print Version](#) Search: [GO](#)

[EPA Home](#) > [Water](#) > [Wetlands, Oceans, & Watersheds](#) > [Oceans, Coasts, & Estuaries](#) > [Habitat Protection](#) > [Habitat Protection and Restoration Overview](#) > [Local NEP Projects & Regional Summary](#) > [NEP Sites in South Atlantic](#) > [Partnership for the Delaware Estuary - 2008 Report Summary by Habitat Category](#)

Partnership for the Delaware Estuary GPRA 2008 Report Summary by Habitat Category

[Return to Map](#)

Select the year you want to see the report for: 2008



The Partnership for the Delaware Estuary NEP has protected and/or restored a total of 6,516.56 acres of habitat in 2008. The pie chart shows the proportion of acreage devoted to each habitat-type, including 43% for Upland habitat, 39% for Wetland habitat, 9% for Riparian habitat, 6% for In-Stream habitat, 4% for Pond habitat, and less than 1% for Estuarine habitat.

The Table immediately below provides brief summary information about the protection and/or restoration projects completed and reported by the NEP in 2008.

| Year 2008 Projects | | | | | |
|--------------------|----------|---------------------|--------------|---------|--------------|
| Project Name | Activity | Project Description | Habitat Type | Acreage | Linear Miles |
| | | | | | |

| | | | | | |
|--|------------------------|---|-------------------|--------|---|
| Alloways Creek Greenway II | Protection/Maintenance | This land was acquired to expand the Thundergut Wildlife Management Area and restore the existing wetlands on the property. This land acquisition will also protect open space that was designated for development. | Forested Wetland | 250.83 | 0 |
| Alloways Creek Greenway I | Protection/Maintenance | This project acquired land to continue the Greenway in order to protect open space with varying habitat types and protect the habitat corridor for wildlife in the area. | Field/Meadow | 445.08 | 0 |
| Bethlehem Pike Wetland | Establishment | The Wissahickon Valley Watershed Association plans to expand a created wetland area along Bethlehem Pike in Fort Washington that was previously completed under an EPA grant administered through the Pennsylvania Department of Environmental Protection. | Freshwater Marsh | 1.5 | 0 |
| Building on Success: Continued Habitat Restoration at Milford Neck | Reestablishment | The Nature Conservancy will restore 35.7 acres of wetland, riparian and upland forest at Milford Neck. The Milford Neck Nature Preserve consists of 2,800 acres along the Delaware Bay that is home to an amazing diversity of shorebirds, songbirds, raptors, horseshoe crabs and numerous rare plants. The project will focus restoring abandoned farmland and a power-line right-of-way to create a mosaic of forest, wetland and riparian habitat. Twenty-five habitat islands will be installed to attract birds which will then naturally disperse seeds throughout the Preserve. Crews will install 28,000 mixed hardwood seedlings to provide a range of trees – seeds to young trees. Additionally, planting hardwoods will reduce the number of sweetgum trees which outcompete native plants and reduce food and shelter for wildlife. A native meadow will be created in the power line right-of-way. Field surveys will be completed to track whether the restoration increases wildlife and reduces sweetgum trees. | Forest/Woodland | 35.7 | 0 |
| Campanelli Wetland Restoration | Protection/Maintenance | Fee simple acquisition to be included in Delaware Fish and Wildlife's Blackbird Reserve Wildlife Area as a public hunting area. | Forested Wetland | 161 | 0 |
| Cape May Peninsula Restoration Project II | Protection/Maintenance | The land adjacent to the Belleplain State Forest will be restored to Pinelands and will become part of Belleplain State Forest. Invasives will be removed as well. | Forest/Woodland | 14.12 | 0 |
| Cape May Peninsula Restoration Project I | Protection/Maintenance | This land was purchased because preservation of this property would insure habitat protection for waterfowl, migratory birds, and a variety of wetlands and uplands species. The property has upland sufficient for one single family residence. | Forest/Woodland | 29 | 0 |
| Cape May Tributaries | Protection/Maintenance | All properties are adjacent to existing state-owned land, either adjacent to Belleplain State Forest or Dennis Creek. Dennis Creek site provides habitat for waterfowl, shorebirds, and other native coastal and migratory species. Preservation of these properties will provide water quality protection for adjacent waterways. | Forest/Woodland | 23.96 | 0 |
| Cohansey River Greenway II | Protection/Maintenance | The site provides habitat for waterfowl, shorebirds, and other native coastal and migratory species. This project will protect this already naturally rich habitat and also help protect the water quality of the Cohansey River. | Tidal Wetland | 9.6 | 0 |
| Cohansey River Greenway I | Protection/Maintenance | This property has been a major interest to New Jersey Fish and Wildlife for the last 15 years. It has a lot of potential for demonstration sites because of the varying habitat types. This will preserve land adjacent to the Cohansey River to protect water | Agricultural Land | 762.35 | 4 |

| | | | | | |
|---|------------------------|---|------------------|-------|-----|
| | | quality as well. | | | |
| Cohansey River Greenway Land Acquisition | Protection/Maintenance | This property will become part of the Buckshutem Wildlife Management Area within the Delaware Bay Greenway. The forest provides habitat for a variety of woodland species in an area comprised of vast tracts of open agricultural fields. The excellent drainage and high permeability of the soils on the property provide ideal water storage capacity during storm events. | Forest/Woodland | 93.42 | 0 |
| Duck Stamp | Protection/Maintenance | This land acquisition is a good habitat restoration site. State endangered species live within these emergent wetlands. This property is directly next to preserved open space. | Forested Wetland | 90 | 0 |
| Fish Cover for a Tributary and Portion of Main Stem of Valley Creek | Establishment | Trout Unlimited will restore 2.1 miles fish cover to Valley Creek. Cover for brown trout will be provided on the main stem of Valley Creek and for Cedar Hollow Run a cold water discharge tributary of Valley Creek. This project is the second part of a project to restore the creek system through a combination of stormwater management, floodplain reconnection, streambank stabilization and in-stream habitat improvements. Project partners include Valley Creek Restoration Partnership and Valley Creek Trustee Council. | In-Stream | 400 | 2.1 |
| Habitat Restoration for Pennsylvania Birds | Enhancement | The Schuylkill Center for Environmental Education will restore ten acres of forest and riparian habitat for bird species of Pennsylvania. The restoration will benefit Cerulean warbler, Worm-eating warbler, Willow flycatcher and Acadian flycatcher as well as many of the 70 bird species found at this 340-acre oasis in the urban heart of Philadelphia. More than 16,000 people visit the SCEE annually with 200 students involved directly in hands-on restoration through a year-long program which uses the site as a living classroom. Project partners include: Philadelphia Cares, the Green Woods Charter School and Philadelphia University. Funding provided by: William Penn Foundation and Conoco Phillips SPIRIT OF CONSERVATION program. | Riparian | 10 | 0 |
| Historic Sites Land Acquisition | Protection/Maintenance | This property acquisition will provide a house and land for an office and possible expansion of the Dr. Still Historic Site. | Forest/Woodland | 10.83 | 0 |
| Hunn Conservation Area- High Marsh Herbaceous/Scrub/Shrub Early Successional Habitat Creation and Tidal Wetland Restoration | Reestablishment | The Kent County Division of Parks will establish 16-acres of meadow habitat on a former landfill and control phragmites at an adjacent 40-acre tidal marsh. By eliminating the invasive phragmites the project aims to release the native seed bank as well as planting the area with native cordgrasses to restore wetland habitat for migratory birds | Tidal Wetland | 56 | 0 |
| Identifying and Conserving Critical Delaware Estuary Bird Habitat Part IV | Reestablishment | The New Jersey Audubon Society will restore and steward 622-acres of riparian, grassland and wetland habitat for birds. Building on the framework established in the first three years of the program, Audubon will establish demonstration areas for sound stewardship, engage communities in habitat protection and restoration by conducting four education workshops and Adopt-an-Important-Bird-Area Kits, and develop six conservation plans for new landowners. The restoration sites are in Mannington Meadows, Cape Island, Southern Pinelands, Supawna Meadows, and Alloway Creek. Bird species benefited by the projects include Bald eagle, Piebilled grebe, King rail, Common moorhen, Least bittern, Caspian tern, Sora, Clapper rail and many grassland birds. | Grassland | 622 | 0 |

| | | | | | |
|--|------------------------|--|-------------------|-------|---|
| Little Pine Run Tributary | Enhancement | Temple Sinai in conjunction with Upper Dublin Township and others are restoring 360 linear feet of an unnamed tributary to Little Pine Run which is a tributary to Sandy Run/Wissahickon Creek. This project will restore the riparian buffer along the tributary to reduce sediment erosion and nutrient runoff. | Riparian | 0 | 0 |
| Maurice River Greenway Project III | Protection/Maintenance | This property is a very important parcel to add to the Parvin State Park. It will greatly benefit the Greenway and habitat corridor. The restoration of this parcel will help control stormwater runoff from the adjacent road and provide better habitat corridors in the state park. | Grassland | 32.14 | 0 |
| Maurice River Greenway Project II | Protection/Maintenance | This land was acquired to connect the adjoining property and continue the Greenway to improve habitat for wildlife and protect open space. | Forest/Woodland | 65.3 | 0 |
| Maurice River Greenway Project I | Protection/Maintenance | This project is restoring one acre that has paved road frontage and should be preserved to improve the habitat corridor and filter stormwater runoff. Therefore, this land was acquired to protect from development. | Forest/Woodland | 1 | 0 |
| Mingo Basin Wetland Restoration | Reestablishment | The Philadelphia Water Department will restore a two-acre freshwater wetland. The restoration is located in the tidal portion of the Schuylkill River. The site is a gateway location to 48 other areas with high value for wetland restoration within the Schuylkill and Delaware Rivers identified by the Philadelphia Water Department. It will serve as the pilot project for the 48 other proposed restoration sites. Located along the Atlantic Flyway, the project will increase habitat for migratory birds and waterfowl in an otherwise urban environment. In addition to providing habitat, wetland restoration has the potential to improve water quality. Designated use of the tidal Schuylkill River is for warm water fisheries and migratory fish, but part of the river is listed as impaired in the DEP 2006 PA Integrated Water Quality Monitoring and Assessment Report. The restored tidal marsh can help mitigate the stress of organic enrichment, low DO, and high metal concentration through natural processes. Another benefit of this project will be the positive impact on the surrounding community by providing a naturalized area in an otherwise industrial locale. | Tidal Wetland | 2 | 0 |
| North Delaware Greenway Ecological Restoration | Reestablishment | The Pennsylvania Environmental Council will develop plans for restoration of tidal wetlands intertidal shore and riparian habitat along a formerly industrial shoreline. Working with the community, the Philadelphia Industrial Development Corporation and Westrum Development the project will fully integrate natural resource restoration into planned residential and commercial development along the future North Delaware River Greenway. The project is part of the transformation of the Philadelphia waterfront into a vibrant ecological and community resource as well as an economic engine. Project partners include: the City of Philadelphia. | Tidal Wetland | 15 | 0 |
| Oldsman Creek Greenway | Protection/Maintenance | This property sits adjacent to Harrisonville Lake Wildlife Management Area and a 30 acre lake. The majority of this property is a prime or significant recharge area. The purchase of this property may include a partial interest in the dam and spillway. The New Jersey Division of Fish and Wildlife state that this area is a high priority because it is extremely threatened and would have a tremendously negative impact on Harrisonville Lake | Agricultural Land | 175.9 | 0 |

| | | | | | |
|--|------------------------|---|------------------|-------|---|
| | | Wildlife Management Area, both recreationally and environmentally, if developed. | | | |
| Phase III: City of Milford Porcelain-berry Eradication Program | Rehabilitation | Phase III of this project is to continue with the eradication/control of porcelain-berry on the remaining 50+ acres so that it will be possible to restore natural flora to wetlands and upper stream buffer zones, and to keep porcelain-berry from invading and spreading into the watershed. Approximately 80% of the invasive is in forested wetland areas, with the remaining 20% effecting upland forested lands. The first and second phases of this project (which NFWF funded for 2005 and 2006) resulted in a 95% success rate of the removal of approximately 100+ acres of porcelain-berry, with an additional 57 acres due to be eradicated in early fall of this year. Milford, DE has the largest infestation of porcelain-berry known in the Delaware Estuary. The Mispillion River flows through the city of Milford, emptying into the Delaware Bay. This is a major concern because porcelain-berry can also be transported through streams in wetland areas into the river and then into the Delaware Bay. For this funding cycle, part of the funds will also be used to hire a volunteer coordinator to establish a community volunteer group to assist in planting the treated areas and monitoring efforts. | Forested Wetland | 57 | 0 |
| Phragmites 1- Port Penn | Enhancement | This project involved 420 acres of aerial herbicide application to improve habitat diversity and improve water quality of the marsh. | Tidal Wetland | 420 | 0 |
| Phragmites 12- Waren Faella Tract | Enhancement | This project removed 60 acres invasive Phragmites from tidal marsh in a Delaware State Wildlife Area by aerial herbicide application to restore native vegetation. | Tidal Wetland | 60 | 0 |
| Phragmites 13- Milford Neck | Enhancement | This project removed invasive Phragmites from 300 acres of tidal marsh in a State Wildlife Area by aerial herbicide application in order to restore native vegetation. | Tidal Wetland | 300 | 0 |
| Phragmites 2- C and D Canal Wildlife Area | Enhancement | The goal of the project was to remove invasives on 160 acres of land by aerial herbicide application. | Tidal Wetland | 160 | 0 |
| Phragmites 4- Green Tract II | Enhancement | This project removed invasive phragmites from 420 acres of tidal marsh by aerial herbicide application. | Tidal Wetland | 420 | 0 |
| Phragmites 5- Cedar Swamp | Enhancement | This project removed invasive phragmites from 100 acres of tidal marsh by aerial herbicide application. | Tidal Wetland | 100 | 0 |
| Phragmites 6- Woodland Beach | Enhancement | This project removed invasive phragmites from 1120 acres of tidal marsh by aerial herbicide application. | Tidal Wetland | 320 | 0 |
| Phragmites 7- Little Creek | Enhancement | This project removed invasive phragmites from 66 acres of tidal marsh by aerial herbicide application to restore the native vegetation and improve habitat for birds and wildlife. | Tidal Wetland | 66 | 0 |
| Phragmites 8- Ted Harvey | Enhancement | This project removed invasive Phragmites from 25 acres of tidal marsh by aerial herbicide application in order to restore native vegetation and provide better habitat. | Tidal Wetland | 25 | 0 |
| Pike Creek Stream Restoration | Enhancement | This project restored 496 feet of riparian area of an unnamed tributary of the Pike Creek South of the Independence School. | Riparian | 0 | 0 |
| Pinelands Restoration Project III | Protection/Maintenance | This restoration project will benefit the habitat located along the Maurice River designated a Wild and Scenic River. This property will become part of the Peaslee Wildlife Management Area. | Forest/Woodland | 36.13 | 0 |
| Pinelands Restoration Project II | Protection/Maintenance | The Pinelands property is a wilderness like area in an extreme fire hazard area and it will make an | Forest/Woodland | 54.8 | 0 |

| | | | | | |
|--|------------------------|--|-----------------|--------|-----|
| | | excellent addition to the Crossley Preserve which contains many threatened and endangered species. | | | |
| Pinelands Restoration Project IV | Protection/Maintenance | The public is currently using the site for dog walking, fishing and birding. The site will be adjacent to the future donation of the Heritage Mineral site in Manchester and will be an addition to the Manchester Wildlife Management Area. This property will be a good habitat corridor from the Heritage Mineral site and the Manchester Wildlife Management Area. | Pond | 245.84 | 0 |
| Pinelands Restoration Project I | Protection/Maintenance | This parcel will expand the Manchester Wildlife Management Area to provide more native Pinelands habitat to protect the wildlife and birds in the area. | Forest/Woodland | 30.4 | 0 |
| Princeton Battlefield to Monmouth Battlefield | Protection/Maintenance | This land is directly contiguous to recently acquired lands for the Assunpink Wildlife Management Area. A barn will also be left for Fish and Wildlife to use. The property has extensive frontage, no wetlands and helps to lock up development along Windsor Road. | Forest/Woodland | 8.45 | 0 |
| Promoting Oyster Restoration Through Schools (Project PORTS III) | Reestablishment | Project PORTS will conduct an education program in schools focused on restoring oyster populations in the Delaware Estuary. The project involves a network of 10 schools K-8th grades with 1,500 students and 20 teachers committed to the effort. Participants will construct shell bags, plant 4,000-5,000 bushels of shell at Gandy's Beach Oyster Restoration Enhancement Area and then collect data about the success of the oyster restoration and its benefit to other species. This offers students hands-on, practical exposure to scientific methods. Project partners include the New Jersey Department of Environmental Protection Shellfisheries Bureau, American Littoral Society, Bayshore Discovery Project, Commercial Township, New Jersey Audubon Society, Cumberland County 4-H, the Haskin Shellfish Research Laboratory, Marie Durand School, Holly Heights School, Mullica Hill Friends School, West Avenue School, D'Ippolito School, Haleyville-Mauricetown School. Funding provided by: National Oceanic and Atmospheric Administration and Clear into the Future: A DuPont Delaware Estuary Initiative. | Shell Bottom | 2 | 0 |
| Restoration Assistance for the Delaware Estuary and Darby Creek Restoration Plan | Enhancement | The Delaware Riverkeeper Network will provide restoration assistance including assessment, project design and implementation. The assistance will be offered "free of charge" to landowners, municipalities, and watershed organizations across the three-state estuary. This project is projected to result in at least 30 site assessments totaling 100-acres. The assessments will support restoration along two miles of stream corridor and on 50-acres of riparian and upland habitat. Over 100 volunteers will be involved in projects at five sites covering 50-acres. Watershed planning activities will cover more than 150 acres including development of a restoration plan for 4.4 miles of lower Darby Creek. No cost technical assistance to watershed organizations and other local entities helps overcome technical and logistical issues which can lead to failed projects. The overall goal of this continuing project is to ensure effective and sustainable success in local restoration. | Riparian | 250 | 6.4 |
| Restoration at Park in Lansdale Borough | Enhancement | This project will turn an underused park area into a premiere stormwater demonstration site that integrates stormwater management with park enhancements that improve the quality and number | Field/Meadow | 2 | 0 |

| | | | | | |
|---|------------------------|--|-----------------|--------|---|
| | | of recreational opportunities in the headwaters of the Wissahickon. | | | |
| Salem Brownfields Waterfront Planning Project | Reestablishment | The City of Salem is developing a plan to remediate and restore 320-acre of waterfront. The proposed project is a multi-phase approach to supplement environmental cleanup of polluted waterfront including 5,000 linear feet of stream bank. The activities that are planned include designing stream bank restoration, providing public access to estuary resources, and planning for environmentally sound land use when the brownfields' properties are redeveloped. The City aims to promote sustainable watershed assets by taking an integrated approach to land use and water quality that advances redevelopment and revitalization of an older inner city community. Eventually the project will result in policies that result in more effective conservation and restoration of natural resources, place based demonstration projects and permanent protection of crucial watershed lands. | Riparian | 320 | 0 |
| Salem River/Mannington Greenway I | Protection/Maintenance | This property has extensive road frontage that needs protection for storm water and habitat. This acquisition will also provide a further buffer to the eagles nest located on East Lake. | Forest/Woodland | 24.34 | 0 |
| Salem River/Mannington Greenway | Protection/Maintenance | This property was purchased to add to the adjacent Salem River Wildlife Management Area. This Wildlife Management Area has a nesting pair of bald eagles located on East Lake. | Forest/Woodland | 36.27 | 0 |
| Salem River/Mannington Greenway II | Protection/Maintenance | The property has a lot of potential for restoration and has a variety of habitat including tillable upland and wooded areas within the Salem River and Memorial Lake corridor. Memorial Lake is used by the eagles as a feeding area and is a significant recharge area. | Forest/Woodland | 67.33 | 0 |
| Stow Creek Restoration Project III | Protection/Maintenance | Adjoining land is part of the Mad Horse Creek Water Management Area. These parcels have frontage on both Stow Creek and major tributaries of Mad Horse Creek. | Forest/Woodland | 157.74 | 0 |
| Stow Creek Restoration Project II | Protection/Maintenance | This land acquisition will add to the Stow Creek Greenway and improve the wildlife habitat for the adjacent Wildlife Management Area. | Forest/Woodland | 37.5 | 0 |
| Stow Creek Restoration Project I | Protection/Maintenance | This is a developable parcel on a paved road in the area of Burden Hill in Quinton Township, Salem County. The property is an outlying remnant of the Pine Barrens ecological community and the largest forest in Salem County. Burden Hill is a remarkably unfragmented forest due to the area's susceptibility to drought and the low population density of surrounding areas. | Forest/Woodland | 8.03 | 0 |
| Stream Restoration on Tacony Creek at Whitaker Avenue | Rehabilitation | Implements a sustainable approach to stream habitat restoration that mitigates the impacts of urban development and related hydrologic and hydraulic modifications. The Philadelphia Water Department has developed an approach for the restoration of Tacony Creek that encompasses the replication of natural hydrologic and ecological cycles, sustainability, enhancement to riparian and in-stream aquatic habitat, improved aesthetics, and significant cost savings over structural solutions. The results of this approach include not just stream bank stabilization, but also long term ecological stability. | In-Stream | 1 | 0 |
| Swamp Creek | Enhancement | This project consists of the survey, design and construction of stream stabilization and restoration for a 1,000 foot section of Swamp Creek in Erwinna, Tincum Township, Bucks County. | Forest/Woodland | 0 | 0 |

| | | |
|-------|---------|------|
| Total | 6516.56 | 12.5 |
|-------|---------|------|

[Top of page](#)

Can't find what you want? Try our [A-Z Index](#) 

[General Information & Resources](#)

[En Español](#)

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Last updated on Thursday, November 12th, 2009

URL: http://www.epa.gov/owow_keep/estuaries/pivot/2008del_charts.html