

# Connecticut's Inland Wetlands & Watercourses

## Status and Trends Report for the Year 2009



---

August 2013



**Daniel C. Esty, Commissioner**

Department of Energy and Environmental Protection

**Macky McCleary, Deputy Commissioner**

Office of the Deputy Commissioner

Air Management; Water Protection and Land Reuse; and  
Materials Management and Compliance Assurance

**Betsey Wingfield, Bureau Chief**

Bureau of Water Protection and Land Resuse

**Cheryl A. Chase, Director**

Inland Water Resources Division

---

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act. Please contact us at 860-418-5910 or [deep.accommodations@ct.gov](mailto:deep.accommodations@ct.gov) if you: have a disability and need a communication aid or service; have limited proficiency in English and may need information in another language; or if you wish to file an ADA or Title VI discrimination complaint.

# Table of Contents

---

Introduction .....	3
Statewide Inland Wetlands and Watercourses Activity Reporting.....	3
2009 Status and Trends.....	4
Summary .....	13
Chart 1: Reported Municipal Inland Wetlands and Watercourses Actions 2000-2009 .....	5
Chart 2: Duly Authorized Agent Approval Issued 2000-2009.....	7
Chart 3: Purpose for Permitted Wetland and Watercourse Alterations in Acres per Year - 2009.....	9
Chart 4: Acres of Wetlands and Watercourses Altered by Permitted Activity Types Per Year - 2009 .....	11
Chart 5: Acres of Permitted Wetland Alterations and Restorations, Enhancements, Creations in 2009 .....	12
Chart 6: Acres of Permitted Wetland Alterations and Restorations, Enhancements Creations per Year .....	13
Table 1: Total Agency Actions Reported in 2009.....	5
Table 2: Permitted Wetland and Open Water Body Alterations - 2009.....	6
Table 3: Permitted Watercourse Alterations - 2009 .....	6
Table 4: Permitted Wetland and Watercourse Alteration Activity Purposes - 2009.....	8
Table 5: Permitted Wetland and Watercourse Alteration Activity Types - 2009.....	10
Appendix A: Statewide Inland Wetlands & Watercourses Activity Reporting Form .....	14

# Connecticut's Inland Wetlands & Watercourses

---

## Status and Trends Report for the Year 2009

### Introduction

There are approximately 510,000 acres of freshwater wetlands and watercourses in Connecticut (Metzler and Tiner, 1992). This acreage comprises approximately 16 percent of the state's surface area. In 1972, recognizing that inland wetlands and watercourses are indispensable and irreplaceable fragile natural resources, and that such resources have been destroyed or are in danger of destruction because of unregulated use, Connecticut's legislature enacted the Inland Wetlands and Watercourses Act (IWWA - General Statutes of Connecticut Sections 22a-36 through 22a-45). The IWWA requires municipal regulation of activities that affect wetlands and watercourses; and provides an orderly process to balance the need for the economic growth of the state and the use of its land, with the need to protect Connecticut's environment and ecology. Included in this process is the requirement that the Commissioner of the Department of Energy and Environmental Protection (DEEP) develop a reporting form on which Connecticut's municipal Inland Wetlands Agencies (Agencies/Agency) can report on the permits they issue that may impact or affect inland wetlands and watercourses, as well as report on enforcement actions and other proceedings such Agencies undertake.

The authority for the Commissioner of DEEP to collect reports from municipal Agencies was codified into the IWWA in 1987 with the passage of Public Act 87-533. While the legislation did not direct the DEEP to analyze the collected reports, or publish any findings or conclusions, the DEEP believes that doing so provides insightful baseline information regarding the regulation of inland wetlands and watercourses across Connecticut. The information provided in these "status and trends" reports are used by various state and federal agencies and provides the Connecticut legislature with critical data on actions affecting wetlands and watercourses. The data allows the DEEP to formulate strategies to increase the effectiveness of existing programs as well as develop new programs for protecting and restoring the state's inland wetlands and watercourses. This report summarizes the reporting data received from Agencies for 2009<sup>1</sup>.

### Statewide Inland Wetlands and Watercourses Activity Reporting

In 1987 the DEEP implemented a municipal Agency reporting requirement to collect information on actions affecting inland wetlands and watercourses. In 1990 the DEEP began tracking reporting data in a statewide database. Prior to the implementation of the reporting program, there was little information on the extent of inland wetlands and watercourses impacts occurring across Connecticut.

---

<sup>1</sup> The data and information provided in this report is not field verified and strictly based on self-reporting by Connecticut's 171 municipal Agencies. No functions or values assessment of reported wetland and/or watercourse impacts has been conducted.

Agency actions are reported to the DEEP on a statewide inland wetlands and watercourses activity reporting form. Such form, developed by the DEEP, provides for systematic reporting of Agency actions. The current form and instruction sheet are shown in Appendix A. The form has been designed for ease of use with each of the required reporting items on the form relating to a specific detailed instruction item. Agency actions reported are required to be submitted on a monthly basis no later than the 15<sup>th</sup> day of each month to the Wetlands Management Section of the DEEP. The reporting form is revised as necessary to reflect legislative changes or management issues.

All reported municipal Agency actions (i.e. permits issued, permits denied, enforcement orders issued, etc.) are classified by codes which identify one purpose for such action (i.e. residential, commercial, agricultural, etc.), and identify one or more activity types (i.e. filling, excavation, culverting, etc.). For example, wetlands may have been altered for the purpose of a new residential development that required two types of activities, filling and excavation of wetlands.

Further, Connecticut's IWWA defines the terms "wetlands" and "watercourses" separately. As a result, data on wetland and watercourse impacts are reported independently. The reporting form includes line items for the acres of wetlands altered, acres of "open water body" altered, and the linear feet of watercourses altered. The reporting item "open water body" is used when dredging or filling occurs within a pond or a lake. Lastly, the reporting form differentiates activities occurring in the upland that may impact or affect inland wetlands and watercourses.

Approximately 3,500 reports are submitted every year to the DEEP and entered into the Statewide Inland Wetlands and Watercourses Activity Reporting Form Database (Database). The Database is utilized to filter the reported data for egregious errors such as missing data, typographic and scale errors. Errors are corrected with input from the appropriate Agency. As a result, the DEEP obtains consistent yearly estimates of the actions undertaken by municipal Agencies and the total wetland and watercourse impacts associated with such actions.

## 2009 Status and Trends

The 2009 calendar year marked the 20<sup>th</sup> year of standardized reporting of Agency actions<sup>2</sup>. Of the 171 municipal Agencies, reports were received from all but 19 Agencies. The average number of reporting forms received by Agencies from 2000 through 2009 is 4,006. In 2005 the DEEP received 4,481 reporting forms from municipal Agencies. The number of reports received has been steadily declining since that time. For 2009, the DEEP received 2,811 reporting forms. This represents a 37% decrease in total actions taken since 2005. The pace of development in Connecticut is reflected in the volume of actions municipal Agencies manage. The economic downturn seems to be reflected in the number of Agency actions reported in 2009. Chart 1 below shows the number of Agency actions reported for the 10-year period of 2000 to 2009.

Table 1 below summarizes all the 2009 actions reported on the statewide inland wetlands and watercourses activity reporting form, and subsequently entered into the Database. The majority of actions carried out by

---

<sup>2</sup> Information contained in this document reflects reports received prior to August 13, 2013.

municipal Agencies involves the issuance of permits for activities likely to impact or affect inland wetlands or watercourses. Permits are either issued directly by the Agency, or by a duly authorized agent who has been delegated certain permitting authority by the Agency.

**CHART 1: REPORTED MUNICIPAL INLAND WETLANDS AND WATERCOURSES ACTIONS 2000-2009**

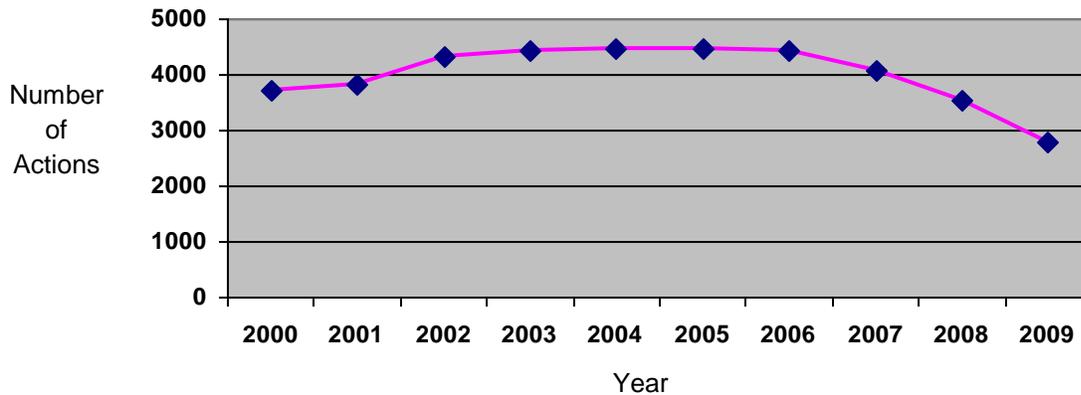


Table 1: Total Agency Actions Reported in 2009	
Actions	Number Reported
Permit Issued <sup>a</sup>	1738
Permit Denied	52
Permit Extended/Amended	103
Map Amendment	33
Enforcement Action	61
Jurisdictional Ruling <sup>b</sup>	60
Agent Approval <sup>c</sup>	753
Appeal Of Agent Approval	0
<b>Total</b>	<b>2800<sup>d</sup></b>
<p>a: Permits can be issued for activities directly in wetlands and watercourses as well as for activities in the upland that may impact or affect a wetland or watercourse.</p> <p>b: Jurisdictional Rulings are often associated with "exempt" activities. Such activities do not need a permit even though the activity may result in an impact to a wetland and/or watercourse.</p> <p>c: Agent Approvals can only be for activities in the upland that have no greater than a minimal impact on wetlands and/or watercourses.</p> <p>d: There were 2811 reporting forms received by DEEP of which 11 reporting forms did not report an action taken.</p>	

Each action reported by a municipal Agency may have associated wetland and/or watercourse impacts. For example, a jurisdictional ruling made by an Agency may state that a particular agricultural activity is exempt from needing a permit, yet such activity may involve the filling of an eighth of an acre of wetland. Most wetland impacts are associated with issued permits. Table 2 below shows the acreage of reported wetland and open water body impacts associated with permits issued.

<b>Table 2: Permitted Wetland and Open Water Body Alterations – 2009<sup>a</sup></b>	
<b>Resource Altered</b>	<b>Acres Altered Reported</b>
Wetland	79
Open Water Body <sup>a</sup>	222
a. Acreage is based solely on reported municipal agency actions b. "open water body" is used when dredging or filling occurs within a pond or a lake	

Actions may also result in watercourse impacts. Such impacts are reported in linear feet and include the total length of a river, brook, stream or other watercourse directly altered as a result of an action taken by the Agency. Again, most watercourse impacts are associated with issued permits. The permitted linear feet of watercourse alterations in 2009 is shown in Table 3 below and equates to approximately 3.4 miles.

<b>Table 3: Permitted Watercourse Alterations - 2009<sup>a</sup></b>	
<b>Resource Altered</b>	<b>Linear Feet Altered Reported</b>
Stream	17,942
a. Linear feet is based solely on reported municipal agency actions	

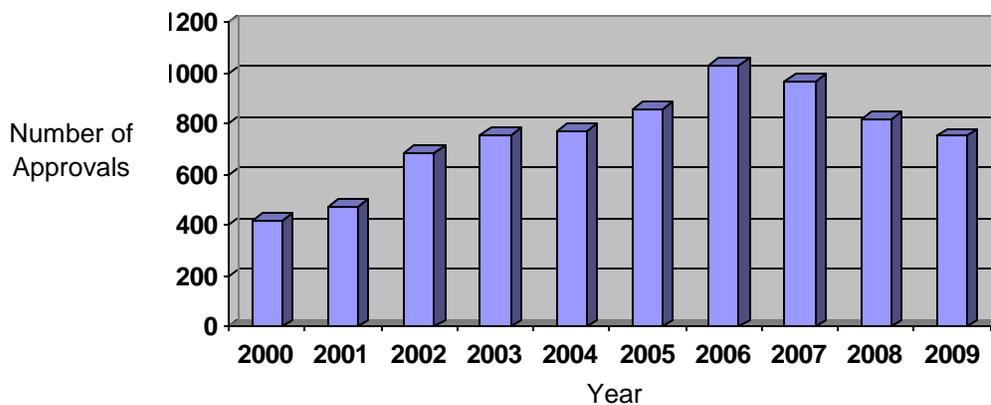
It is important to point out that the permits issued, and their associated wetland and/or watercourse alterations, are for activities that are not only directly in a wetland or watercourse, but for activities occurring in an upland area that may impact or affect nearby wetlands or watercourses. Of the 1,738 permits issued, 134 permits were issued for activities with a direct impact to wetlands and/or watercourses with no activity in the upland. Further, of the permits issued, 962 were for regulated activities solely in the upland that had a likely impact or affect on a wetland or watercourse.

Not only are Agencies issuing permits for activities outside of wetlands and watercourses that likely impact or affect such resources, but they are also delegating permitting authority to a duly authorized agent for activities in the upland. Pursuant to the IWWA, a municipal Agency can vote to delegate to a duly

authorized agent the authority to approve or extend an activity that is not located in a wetland or watercourse when such agent finds that the conduct of such activity would result in no greater than a minimal impact on any wetland or watercourse. Therefore, it is interesting to note that besides the 962 permits issued by Agencies for activities solely in the upland, there were an additional 753 permits or approvals issued by duly authorized agents for activities in the upland.

The regulation of activities outside of wetlands and watercourses is a significant trend over the past 10 years. The economic downturn seems to be reflected in the number of duly authorized agent approvals, as it is reflected in the overall number of reporting forms received. Chart 2 below shows the number of agent approvals that have been reported to the DEEP from 2000 through 2009.

**CHART 2: DULY AUTHORIZED AGENT APPROVALS ISSUED 2000-2009**

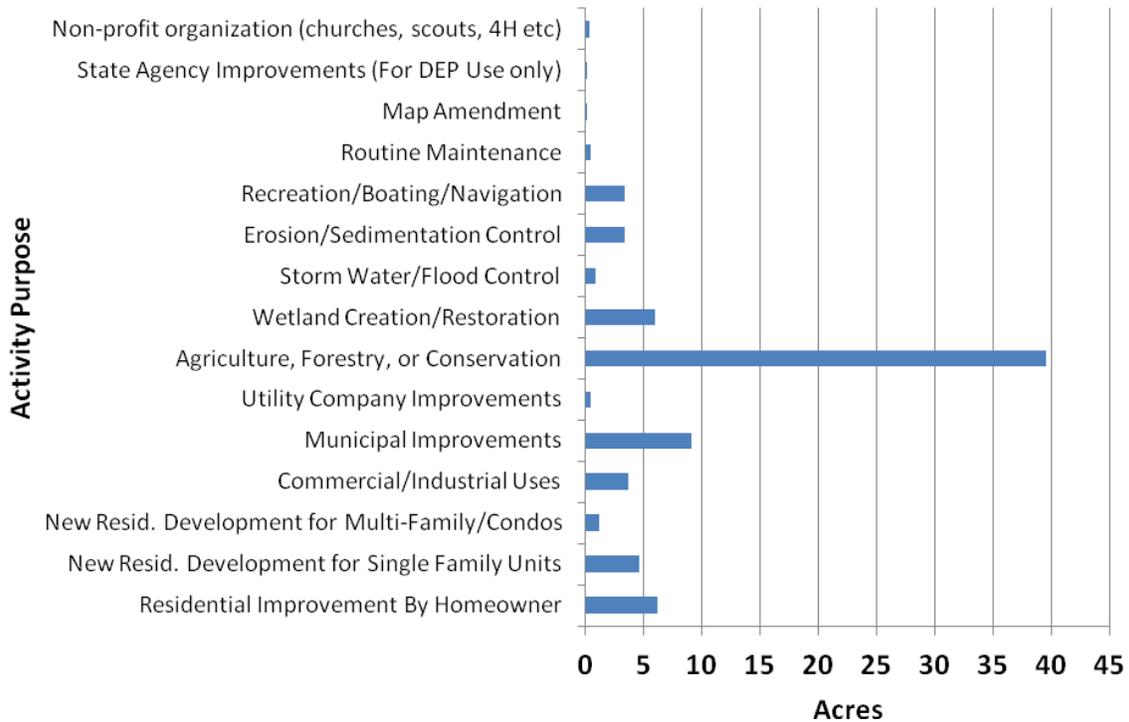


Agency actions, including those actions of a duly authorized agent, can be qualified by the purpose for the action. Table 4 below shows the purpose, or reason, why Agencies issued permits in 2009; and the number and percent of permits issued for those purposes. The three most common reported purposes were residential improvement by homeowner, new residential development for single family units, and commercial/industrial uses. Even with recent economic issues, Connecticut's geographic location and robust economy guarantee that our state will be in demand for development. The DEEP believes residential and commercial development will continue to be the majority of Agency actions in the future.

<b>Table 4: Permitted Wetland and Watercourse Alteration Activity Purposes - 2009</b>		
<b>Activity Purpose</b>	<b>Number</b>	<b>Percent</b>
Residential Improvement By Homeowner	733	42.3
New Residential Development for Single Family Units	238	13.7
New Residential Development for Multi-Family/Condos	32	1.8
Commercial/Industrial Uses	217	12.5
Municipal Improvements	158	9.1
Utility Company Improvements	25	1.4
Agriculture, Forestry, or Conservation	69	4.0
Wetland Creation/Restoration	51	2.9
Storm Water/Flood Control	33	1.9
Erosion/Sedimentation Control	39	2.3
Recreation/Boating/Navigation	29	1.7
Routine Maintenance	62	3.6
Map Amendment	4	0.2
State Agency Improvements (For DEP Use only)	2	0.1
Non-profit organization (churches, scouts, 4H etc)	39	2.3
<b>TOTAL</b>	<b>1731<sup>a</sup></b>	<b>100</b>
a: There were 2811 reporting forms received by DEEP. However, not every form was completed in its entirety. Some forms received did not provide a purpose.		

Although the majority of permits issued by Agencies are either for residential improvements by homeowner, new residential development for single family units, or commercial/industrial development, the number of acres of wetlands and watercourses actually impacted for these reasons is low. Agriculture, forestry and other conservation projects seem to impact the greatest number of wetland and watercourse acres as indicated in Chart 3 below.

**Chart 3: Purpose for Permitted Wetland and Watercourse Alterations in Acres per Year - 2009**



\*Acreage is based solely on reported municipal agency actions

The reporting form not only requires the purpose for the permit to be reported, but also asks for further details as to the type of activity that is being reported. Agencies are allowed to indicate that the purpose for the permit has one, two, three or four associated regulated activities. For example, an Agency may deny a permit that was for the purpose of a commercial development that involved two activities - filling wetlands and culverting a stream. Table 5 below indicates the activity types that were permitted in 2009.

The majority of permits being issued by Agencies are for activities in the Upland Review Area (URA). The URA is the term used to describe the non-wetland or non-watercourse area in which certain types of activities, as defined in municipal regulations, are considered regulated activities. These activities are deemed to be regulated activities because the Agency feels such activities are likely to impact or affect inland wetlands or watercourses. Most towns have delineated the URA to be 100 feet from the delineated boundary of a wetland or watercourse, but distances vary across Connecticut from zero to a few hundred feet. The URA is not a prohibitory set-back or ecological buffer; it simply serves as an administrative convenience by triggering a potential applicant to go before the inland wetlands agency for a permit. The majority of Agencies in Connecticut are routinely regulating activities in the URA. This further confirms that the regulation of activities outside of wetlands and watercourses is a significant trend over the past 10 years.

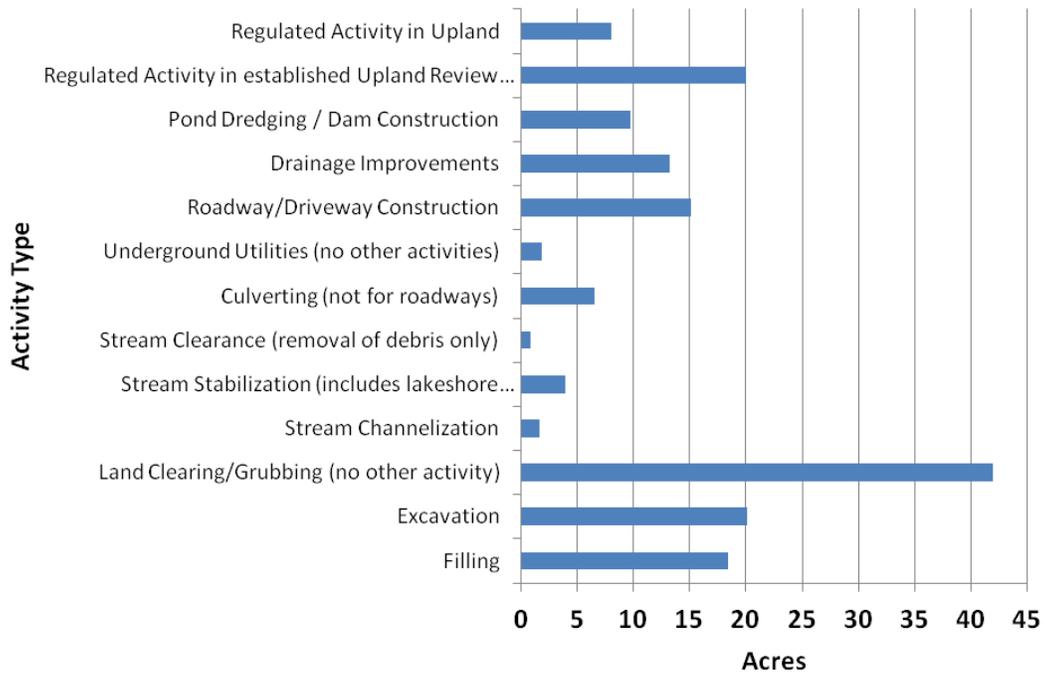
The second most common activity is excavation. Excavation accounted for 20% of reported permitted activities. The third highest reported permitted activity is filling, accounting for 15% of all permitted activities.

<b>Table 5: Permitted Wetland and Watercourse Alteration Activity Types - 2009</b>		
Activity Type	Number	Percent
Filling	614	14.8
Excavation	840	20.3
Land Clearing/Grubbing (no other activity)	121	2.9
Stream Channelization	27	0.7
Stream Stabilization (includes lakeshore stabilization)	63	1.5
Stream Clearance (removal of debris only)	20	0.5
Culverting (not for roadways)	54	1.3
Underground Utilities (no other activities)	60	1.4
Roadway/Driveway Construction	400	9.7
Drainage Improvements	287	6.9
Pond Dredging / Dam Construction	81	2.0
Regulated Activity in established Upland Review Area	1226	29.6
Regulated Activity in Upland	347	8.4
<b>TOTAL</b>	<b>4140<sup>a</sup></b>	<b>100</b>
a: Each reporting form submitted to the DEEP can indicate from one to four activities. Therefore the total number of activities reported will always be higher than the actual number of forms submitted.		

Further, of the activities associated with permits issued by Agencies, the activity of land clearing and grubbing accounts for the greatest alteration to wetlands and watercourses (see Chart 4 below). Relatively few reports were submitted to the DEEP indicating the activity of land clearing and grubbing. However, of those submitted reports, a significant amount of acres were impacted.

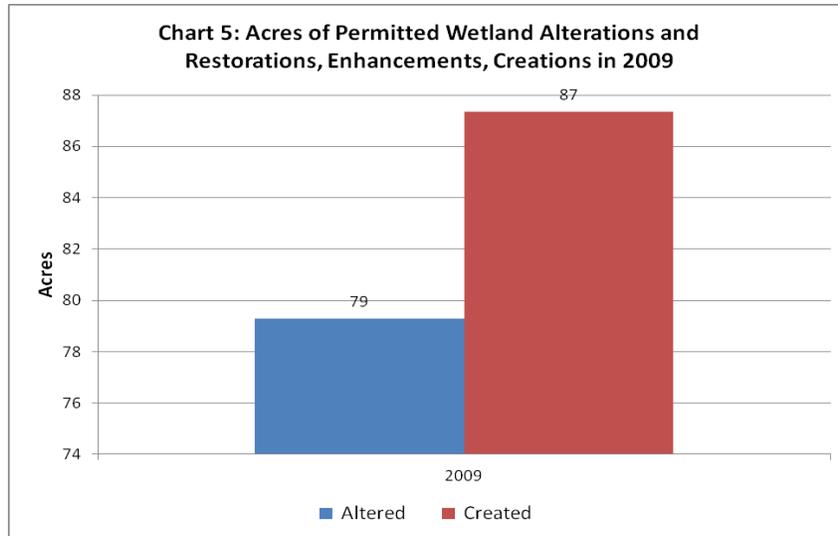
It is important to note that Table 4 and Table 5 only include those reports filed with the DEEP for *permits* issued by the Agency. It does not include reports that were filed for jurisdictional rulings (often associated with exempt agricultural activities) or for reports that were filed for agent approvals (for activities in the URA or the upland area beyond the URA).

**Chart 4: Acres of Wetlands and Watercourses Altered by Permitted Activity Types per Year - 2009**



\*Acreage is based solely on reported municipal agency actions

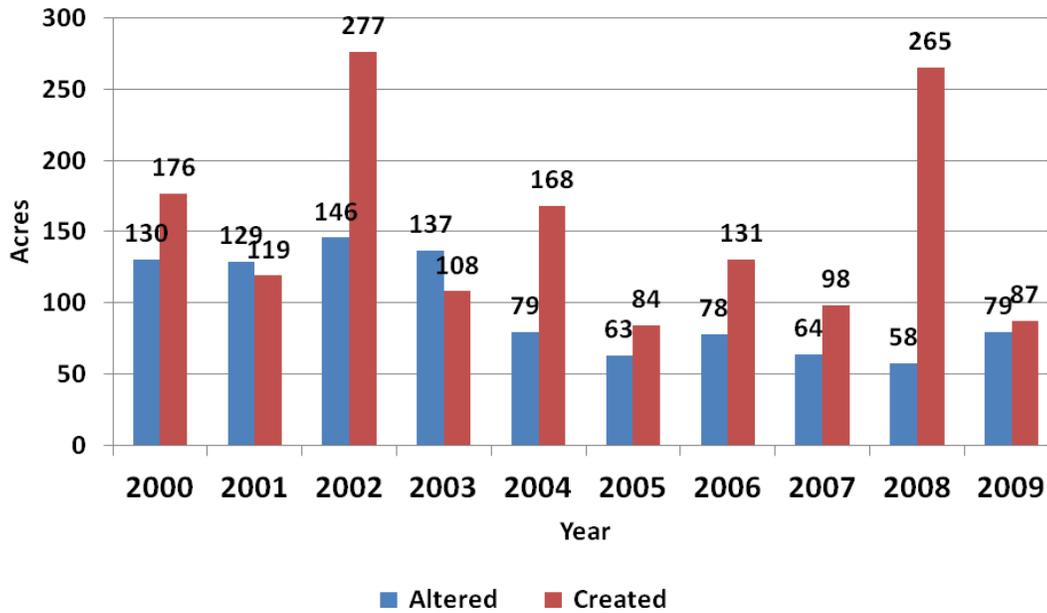
Finally, the reporting form also inquires as to the acres of wetlands and watercourses that are restored, enhanced or created. While these three terms mean different things (i.e. restoration involves the return of habitat and ecological conditions to a close approximation of its condition prior to disturbance; enhancement means an improvement of habitat and ecological conditions over existing conditions; and creation is developing a wetland area usually from exiting upland) they are combined as a reporting item on the form. Therefore it is difficult to accurately determine the acreage of wetlands and watercourses that are truly created from upland. However, it is still worthy to look at the data (see Chart 5 below).



\*Acreage is based solely on reported municipal agency actions

The reporting forms submitted to DEEP indicate that 79 acres of wetlands were permitted to be altered and 87 acres of wetlands were permitted to be restored, enhanced or created. The mitigation of permitted wetland and watercourse alterations is a continuing trend in Connecticut. The 10-year average, for the period 2000 through 2009, shows that 96 acres of wetlands and watercourses are being impacted and 151 acres of wetlands and watercourses are being restored, enhanced or created per year. An average of 1.6 acres are being restored, enhanced or created for each acre altered (see Chart 6 below). It appears, based on reported municipal agency actions, that Connecticut has reached a no net loss – net gain of wetlands and watercourses due to changes in the IWWA specifically authorizing mitigation of impacts, and the focus on training of municipal inland wetlands agencies since 1996. Regulatory authority reinforced by training and guidance has resulted in more municipal Agencies seeking mitigation opportunities through the regulatory process.

**Chart 6: Acres of Permitted Wetland Alterations and Restorations, Enhancements, Creations per Year**



\*Acreage is based solely on reported municipal agency actions

## Summary

Although the economy of the state, and the country as a whole, has slowed down development and therefore the number of applicants that go before municipal Agencies, the 2009 reporting form data suggest that Connecticut’s municipal Agencies are handling a large volume of proposed regulated activities with careful application of the IWWA and their associated municipal regulations, and are executing or implementing mitigation of wetland and watercourse impacts in the regulatory process.

Overall, the status and trends regarding inland wetlands and watercourses for 2009 is especially encouraging to see that the no net loss – net gain of these resources is continuing even in tough economic times, and becoming a long-term trend in Connecticut.

## References

Metzler, K. and Tiner, R. (1992). *Wetlands of Connecticut*, State Geological and Natural History Survey of Connecticut. Hartford, CT.

## Appendix A: Statewide Inland Wetlands & Watercourses Activity Reporting Form:



79 Elm Street • Hartford, CT 06106-5127

[www.ct.gov/deep](http://www.ct.gov/deep)

Affirmative Action/Equal Opportunity Employer

### STATEWIDE INLAND WETLANDS & WATERCOURSES ACTIVITY REPORTING FORM

Pursuant to section 22a-39(m) of the General Statutes of Connecticut and section 22a-39-14 of the Regulations of Connecticut State Agencies, inland wetlands agencies must complete the Statewide Inland Wetlands & Watercourses Activity Reporting Form for each action taken by such agency.

This form may be made part of a municipality's inland wetlands application package. If the municipality chooses to do this, it is recommended that a copy of the Town and Quadrangle Index of Connecticut and a copy of the municipality's subregional drainage basin map be included in the package as well.

Please remember, the inland wetlands agency is responsible for ensuring that the information provided is accurate and that it reflects the final action of the agency. Incomplete or incomprehensible forms will be mailed back to the agency. Instructions for completing the form are located on the following page.

The inland wetlands agency shall mail completed forms for actions taken during a calendar month no later than the 15<sup>th</sup> day of the following month to the Department of Energy and Environmental Protection (DEEP). Do not mail this cover page or the instruction page. **Please mail only the completed yellow reporting form to:**

Wetlands Management Section  
Inland Water Resources Division  
Department of Energy & Environmental Protection  
79 Elm Street, 3<sup>rd</sup> Floor  
Hartford, CT 06106

Questions may be directed to the DEEP's Wetlands Management Section at (860) 424-3019.

**INSTRUCTIONS FOR COMPLETING  
THE STATEWIDE INLAND WETLANDS & WATERCOURSES ACTIVITY REPORTING FORM**

Use a separate form to report each action taken by the Agency. Complete the form as described below.

PLEASE PRINT CLEARLY

**PART I: To Be Completed By the Inland Wetlands Agency Only**

1. Enter the year and month the Inland Wetlands Agency took the action being reported. If multiple actions were taken regarding the same project or activity then multiple forms need to be completed. Enter ONE year and month per form.
2. Enter ONE code letter to describe the final action or decision taken by the Inland Wetlands Agency. *Do not submit a reporting form for withdrawn applications.* Do not enter multiple code letters (for example: if an enforcement notice was given and subsequent permit issued - two forms for the two separate actions are to be completed).
  - A = A Permit Granted by the Inland Wetlands Agency (*not including map amendments, see code D below*)
  - B = Any Permit Denied by the Inland Wetlands Agency
  - C = A Permit Renewed or Amended by the Inland Wetlands Agency
  - D = A Map Amendment to the Official Town Wetlands Map - or -  
An Approved/Permitted Wetland or Watercourse Boundary Amendment to a Project Site Map
  - E = An Enforcement Notice of Violation, Order, Court Injunction, or Court Fines
  - F = A Jurisdictional Ruling by the Inland Wetlands Agency (i.e.: activities "permitted as of right" or activities considered non-regulated)
  - G = An Agent Approval pursuant to CGS 22a-42a(c)(2)
  - H = An Appeal of Agent Approval Pursuant to 22a-42a(c)(2)
3. Check "Yes" if a public hearing was held in regards to the action taken; otherwise check "No".
4. Enter the name of the Inland Wetlands Agency official verifying that the information provided on this form is accurate and that it reflects the FINAL action of the agency.

**PART II: To Be Completed by the Inland Wetlands Agency or the Applicant** - If Part II is completed by the applicant, the applicant must return the form to the Inland Wetlands Agency. The Inland Wetlands Agency must ensure that the information provided is accurate and that it reflects the FINAL action of the Agency.

5. Enter the name of the municipality for which the Inland Wetlands Agency has jurisdiction and in which the action/project/activity is occurring.

Check "Yes" if the action/project/activity crosses municipal boundaries and enter the name(s) of the other municipality(ies) where indicated. Check "No" if it does not cross municipal boundaries.
6. Enter the USGS Quad Map name or number (1 through 115) as found on the Connecticut Town and Quadrangle Index Map (the directory to all USGS Quad Maps) that contains the location of the action/project/activity. See the following website for USGS Quad Map names and numbers:  
[http://ct.gov/deep/lib/deep/gis/resources/Index\\_NamedQuadTown.pdf](http://ct.gov/deep/lib/deep/gis/resources/Index_NamedQuadTown.pdf)

ALSO enter the four-digit identification number of the corresponding Subregional Drainage Basin in which the action/project/activity is located. If the action/project/activity is located in more than one subregional drainage basin, enter the number of the basin in which the majority of the action/project/activity is located. Town subregional drainage basin maps can be found at UConn – CLEAR's website: [http://clear.uconn.edu/data/map\\_set/index.htm](http://clear.uconn.edu/data/map_set/index.htm)
7. Enter the name of the individual applying for, petitioning, or receiving the action.
8. Enter the name and address or location of the action/project/activity. Check if the the action/project/activity is TEMPORARY or PERMANENT in nature. Also provide a brief description of the action/project/activity.

9. **CAREFULLY REVIEW** the list below and enter ONE code letter which best characterizes the action/project/activity. All state agency projects must code "N".

A = Residential Improvement by Homeowner	I = Storm Water / Flood Control
B = New Residential Development for Single Family Units	J = Erosion / Sedimentation Control
C = New Residential Development for Multi-Family / Condos	K = Recreation / Boating / Navigation
D = Commercial / Industrial Uses	L = Routine Maintenance
E = Municipal Project	M = Map Amendment
F = Utility Company Project	N = State Agency Project
G = Agriculture, Forestry or Conservation	P = Other (this code includes the approval of
H = Wetland Restoration, Enhancement, Creation	concept plans with no-on-the-ground work)

10. Enter between one and four code numbers to best characterize the project or activity being reported. Enter "NA" if this form is being completed for the action of map amendment. You must provide code 12 if the activity is located in an established upland review area (buffer, setback). You must provide code 14 if the activity is located BEYOND the established upland review area (buffer, setback) or NO established upland review area (buffer, setback) exists.

1 = Filling	8 = Underground Utilities (no other activities)
2 = Excavation	9 = Roadway / Driveway Construction
3 = Land Clearing / Grubbing (no other activity)	10 = Drainage Improvements
4 = Stream Channelization	11 = Pond, Lake Dredging / Dam Construction
5 = Stream Stabilization (includes lakeshore stabilization)	12 = Activity in an Established Upland Review Area
6 = Stream Clearance (removal of debris only)	14 = Activity in Upland
7 = Culverting (not for roadways)	

**Examples:** Jurisdictional ruling allowing construction of a parking lot in an upland where the municipality *does not* have an established upland review area must use code 14; other possible codes are 2 and 10. Permitted construction of a free standing garage (residential improvement by homeowner) partially in an established upland review area with the remainder in the upland must use code 12 and 14; other possible codes are 1 and 2. Permitted dredging of a pond must use code 11; other possible codes are 12 and 5.

11. Leave blank for TEMPORARY alterations but please indicate action/project/activity is temporary under question #8 on the form. For PERMANENT alterations, enter in acres the area of wetland soils or watercourses altered. Include areas that are permanently altered, or are proposed to be, for all agency permits, denials, amendments, and enforcement actions. For those activities that involve filling or dredging of lakes, ponds or similar open water bodies enter the acres filled or dredged under "open water body". For those activities that involve directly altering a linear reach of a brook, river, lakeshore or similar linear watercourse, enter the total linear feet altered under "stream". Remember that these figures represent only the acreage altered not the total acreage of wetlands or watercourses on the site. You MUST provide all information in ACRES (or linear feet as indicated) including those areas less than one acre. To convert from square feet to acres, divide square feet by the number 43,560. Enter zero if there is no alteration.
12. Enter in acres the area of upland altered as a result of an ACTIVITY REGULATED BY the inland wetlands agency, or as a result of an AGENT APPROVAL pursuant to 22a-42a(c)(2). Leave blank for TEMPORARY alterations but please indicate action/project/activity is temporary under question #8 on the form. Include areas that are permanently altered, or proposed to be permanently altered, for all agency permits, denials, amendments, and enforcement actions. Inland wetlands agencies may have established an upland review area (also known as a buffer or setback) in which activities are regulated. Agencies may also regulate activities beyond these established areas. You MUST provide all information in ACRES including those areas less than one acre. To convert from square feet to acres, divide square feet by the number 43,560. Enter zero if there is no alteration. Remember that these figures represent only the upland acreage altered as a result of an activity regulated by the inland wetlands agency, or as a result of an agent approval.
13. Enter the acres that are, or are proposed to be, restored, enhanced or created for all agency permits, denials, amendments, and enforcement actions. NOTE restored or enhanced applies to previously existing wetlands or watercourses. Created applies to a non-wetland or non-watercourse area which is converted into wetlands or watercourses (question #10 must provide 12 and/or 14 as an answer, and question #12 must also be answered). You MUST provide all information in ACRES including those areas less than one acre. To convert from square feet to acres, divide square feet by the number 43,560. Enter zero if there is no restoration, enhancement or creation.

**PART III: To Be Completed By The DEEP** - Please leave this area blank. Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.



GIS CODE #: \_\_\_\_\_  
For DEEP Use Only

79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

## Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete - print clearly - and mail this form in accordance with the instructions on pages 2 and 3 to:  
Wetlands Management Section, Inland Water Resources Division, CT DEEP, 79 Elm Street – 3<sup>rd</sup> Floor, Hartford, CT 06106

### PART I: To Be Completed By the Municipal Inland Wetlands Agency Only

1. DATE ACTION WAS TAKEN (enter one year and month): Year \_\_\_\_\_ Month \_\_\_\_\_
2. ACTION TAKEN (enter one code letter): \_\_\_\_\_
3. WAS A PUBLIC HEARING HELD (check one)? Yes  No
4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:  
(type name) \_\_\_\_\_ (signature) \_\_\_\_\_

### PART II: To Be Completed By the Municipal Inland Wetlands Agency or the Applicant

5. TOWN IN WHICH THE ACTION IS OCCURRING (type name): \_\_\_\_\_  
Does this project cross municipal boundaries (check one)? Yes  No   
If Yes, list the other town(s) in which the action is occurring (type name(s)): \_\_\_\_\_
6. LOCATION (see directions for website information): USGS Quad Map Name: \_\_\_\_\_ or Quad Number: \_\_\_\_\_  
Subregional Drainage Basin Number: \_\_\_\_\_
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (type name): \_\_\_\_\_
8. NAME & ADDRESS/LOCATION OF PROJECT SITE (type information): \_\_\_\_\_  
Briefly describe the action/project/activity (check and type information): Temporary  Permanent   
Description: \_\_\_\_\_
9. ACTIVITY PURPOSE CODE (enter one code letter): \_\_\_\_\_
10. ACTIVITY TYPE CODE(S) (enter up to four code numbers): \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
11. WETLAND / WATERCOURSE AREA ALTERED (type in acres or linear feet as indicated):  
Wetlands: \_\_\_\_\_ acres Open Water Body: \_\_\_\_\_ acres Stream: \_\_\_\_\_ linear feet
12. UPLAND AREA ALTERED (type in acres as indicated): \_\_\_\_\_ acres
13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (type in acres as indicated): \_\_\_\_\_ acres

DATE RECEIVED:

### PART III: To Be Completed By the DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO