



Water-Data Report 2011

01374620 WEST BRANCH RESERVOIR NEAR CARMEL, NY

Lower Hudson Basin
Lower Hudson Subbasin

LOCATION.--Lat 41°24'42", long 73°41'45" referenced to North American Datum of 1927, Putnam County, NY, Hydrologic Unit 02030101, on County Route 6 near Carmel, NY.

DRAINAGE AREA.--42.8 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

PESTICIDE DATA: 1999-2008 (b), 2009 (a), 2010-11 (b).

REMARKS.--For one sample collected, analysis was performed using multiple analytical methods. When these methods share one or more compounds, separate tables are provided so that each analysis can be presented.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 1 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Medium code	Sampling method (82398)	1-Naphthol,	2,6-Diethyl-	2-Chloro-	2-Chloro-4-	2-Ethyl-6-	3,4-
				water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2'-6'-diethyl-acetanilide, water, filtered, recoverable, µg/L (61618)	isopropyl-amino-6-triazine, water, filtered, recoverable, µg/L (04040)	methyl-aniline, water, filtered, recoverable, µg/L (61620)	Dichloro-aniline, water, filtered, recoverable, µg/L (61625)
05-03-2011	0900	WB	Grab smp tap wat sup	<.036	<.006	<.010	E .006	<.010	<.004
07-26-2011	0900	WB	Grab smp tap wat sup	<.036	<.006	<.010	E .007	<.010	<.004
09-27-2011	0905	WB	Grab smp tap wat sup	<.036	<.006	<.010	E .005	<.010	<.004

01374620 WEST BRANCH RESERVOIR NEAR CARMEL, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L (61633)	Aceto-chlor, water, filtered, recoverable, µg/L (49260)	Alachlor, water, filtered, recoverable, µg/L (46342)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)
05-03-2011	0900	< .005	< .010	< .008	.006	< .04	< .120	< .014	< .060
07-26-2011	0900	< .005	< .010	< .008	.007	< .04	< .120	< .014	< .060
09-27-2011	0905	< .005	< .010	< .008	.005	< .04	< .120	< .014	< .060

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cypermethrin, water, filtered, recoverable, µg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinyl-fipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)
05-03-2011	0900	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
07-26-2011	0900	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006
09-27-2011	0905	< .06	< .004	< .010	< .016	< .020	< .008	< .029	< .012	< .006

01374620 WEST BRANCH RESERVOIR NEAR CARMEL, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 4 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Dichloro-	Dicroto-	Dieldrin,	Dimetho-	Ethion	Ethion,	Fenami-	Fenami-	Fenami-
		vos, water, filtered, recover- able, µg/L (38775)	phos, water, filtered, recover- able, µg/L (38454)	water, filtered, recover- able, µg/L (39381)	ate, water, filtered, glass fiber filter), recover- able, µg/L (82662)	monoxon, water, filtered, recover- able, µg/L (61644)	water, filtered, recover- able, µg/L (82346)	phos sulfone, water, filtered, recover- able, µg/L (61645)	phos sulfoxide, water, filtered, recover- able, µg/L (61646)	phos, water, filtered, recover- able, µg/L (61591)
05-03-2011	0900	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
07-26-2011	0900	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03
09-27-2011	0905	< .04	< .08	< .008	< .006	< .02	< .008	< .054	< .08	< .03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 5 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Fipronil	Fipronil	Fipronil,	Fonofos,	Hexa-	Iprodione,	Isofen-	Malaoxon,	Malathion,
		sulfide, water, filtered, recover- able, µg/L (62167)	sulfone, water, filtered, recover- able, µg/L (62168)	water, filtered, recover- able, µg/L (62166)	water, filtered, recover- able, µg/L (04095)	zinone, water, filtered, recover- able, µg/L (04025)	water, filtered, recover- able, µg/L (61593)	phos, water, filtered, recover- able, µg/L (61594)	water, filtered, recover- able, µg/L (61652)	water, filtered, recover- able, µg/L (39532)
05-03-2011	0900	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016
07-26-2011	0900	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016
09-27-2011	0905	< .012	< .024	< .018	< .005	< .008	< .014	< .006	< .022	< .016

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 6 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Metalaxyl,	Methida-	Methyl	Methyl	Metola-	Metri-	Myclo-	Pendi-	Phorate
		water, filtered, recover- able, µg/L (61596)	thion, water, filtered, recover- able, µg/L (61598)	paraoxon, water, filtered, recover- able, µg/L (61664)	parathion, water, filtered, glass fiber filter), recover- able, µg/L (82667)	chlor, water, filtered, recover- able, µg/L (39415)	buzin, water, filtered, recover- able, µg/L (82630)	butanil, water, filtered, recover- able, µg/L (61599)	methalin, water, filtered, glass fiber filter), recover- able, µg/L (82683)	oxygen analog, water, filtered, recover- able, µg/L (61666)
05-03-2011	0900	< .014	< .012	< .01	< .008	.007	< .012	< .010	< .012	< .03
07-26-2011	0900	< .014	< .012	< .01	< .008	.010	< .012	< .010	< .012	< .03
09-27-2011	0905	< .014	< .012	< .01	< .008	.005	< .012	< .010	< .012	< .03

01374620 WEST BRANCH RESERVOIR NEAR CARMEL, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 7 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Phorate,	Phosmet	Phosmet,	Prometon,	Prometryn,	Propyz-	Simazine,	Tebu-	Terbufos
		water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82664)	oxygen analog, water, filtered, recover- able, µg/L (61668)	water, filtered, recover- able, µg/L (61601)	water, filtered, recover- able, µg/L (04037)	water, filtered, recover- able, µg/L (04036)	amide, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82676)	water, filtered, recover- able, µg/L (04035)	thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82670)	oxygen analog sulfone, water, filtered, recover- able, µg/L (61674)
05-03-2011	0900	< .020	< .05	< .140	< .012	< .006	< .004	< .006	< .03	< .04
07-26-2011	0900	< .020	< .05	< .140	< .012	< .006	< .004	< .006	< .03	< .04
09-27-2011	0905	< .020	< .05	< .140	< .012	< .006	< .004	< .006	< .03	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 8 of 8

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than; E, estimated]

Date	Sample start time	Terbufos,	Terbuthyl-	Tribuphos,	Trifluralin,
		water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82675)	azine, water, filtered, recover- able, µg/L (04022)	water, filtered, recover- able, µg/L (61610)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82661)
05-03-2011	0900	< .02	< .01	< .018	< .018
07-26-2011	0900	< .02	< .01	< .018	< .018
09-27-2011	0905	< .02	< .01	< .018	< .018

01374620 WEST BRANCH RESERVOIR NEAR CARMEL, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 7

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

Date	Sample start time	Medium code	Sampling method (82398)	2,4-D methyl ester, water, filtered, recoverable, µg/L (50470)	2,4-D, water, filtered, recoverable, µg/L (39732)	2,4-DB, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38746)	2-Chloro-4-isopropyl-amino-6-amino-s-triazine, water, filtered, recoverable, µg/L (04040)	2-Chloro-6-ethyl-amino-4-amino-s-triazine, water, filtered, recoverable, µg/L (04038)	2-Hydroxy-4-iso-propyl-amino-6-ethyl-amino-s-triazine, water, filtered, recoverable, µg/L (50355)
07-26-2011	0905	WB	Grab smp tap wat sup	< .200	< .06	< .02	< .06	< .06	< .060

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 7

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

Date	Sample start time	3-Hydroxy carbo-furan, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49308)	Acifluor-fen, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49315)	Aldicarb sulfone, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49313)	Aldicarb sulfoxide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49314)	Aldicarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49312)	Atrazine, water, filtered, recoverable, µg/L (39632)	Bendio-carb, water, filtered, recoverable, µg/L (50299)	Benomyl, water, filtered, recoverable, µg/L (50300)	Ben-sulfuron-methyl, water, filtered, recoverable, µg/L (61693)
07-26-2011	0905	< .040	< .040	< .08	< .060	< .12	< .040	< .04	< .060	< .06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 7

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

Date	Sample start time	Bentazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38711)	Bromacil, water, filtered, recoverable, µg/L (04029)	Brom-oxynil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49311)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49310)	Carbo-furan, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49309)	Chlor-amben methyl ester, water, filtered, recoverable, µg/L (61188)	Chlori-muron-ethyl, water, filtered, recoverable, µg/L (50306)	Clopyralid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49305)	Cycloate, water, filtered, recoverable, µg/L (04031)
07-26-2011	0905	< .06	< .06	< .12	< .04	< .040	< .10	< .080	< .06	< .04

01374620 WEST BRANCH RESERVOIR NEAR CARMEL, NY—Continued

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 4 of 7

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

Date	Sample start time	Dacthal monoacid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49304)	Dicamba, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38442)	Dichloroprop, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49302)	Dinoseb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49301)	Di-phenamid, water, filtered, recoverable, µg/L (04033)	Diuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49300)	Fenuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49297)	Flumetsulam, water, filtered, recoverable, µg/L (61694)	Fluometuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38811)
07-26-2011	0905	< .04	< .04	< .04	< .04	< .04	< .04	< .06	< .06	< .04

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 5 of 7

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

Date	Sample start time	Imazaquin, water, filtered, recoverable, µg/L (50356)	Imazethapyr, water, filtered, recoverable, µg/L (50407)	Imidacloprid, water, filtered, recoverable, µg/L (61695)	Linuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38478)	MCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38482)	MCPB, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38487)	Metalaxyl, water, filtered, recoverable, µg/L (50359)	Methiocarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38501)	Methomyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49296)
07-26-2011	0905	< .06	< .06	< .060	< .04	< .04	< .20	< .04	< .040	< .120

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 6 of 7

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

Date	Sample start time	Metsulfuron-methyl, water, filtered, recoverable, µg/L (61697)	N-(4-Chlorophenyl)-N'-methyl-urea, water, filtered, recoverable, µg/L (61692)	Neburon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49294)	Nicosulfuron, water, filtered, recoverable, µg/L (50364)	Norflurazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49293)	Oryzalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49292)	Oxamyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38866)	Picloram, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49291)	Propham, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49236)
07-26-2011	0905	< .14	< .06	< .02	< .10	< .04	< .04	< .12	< .12	< .040

01374620 WEST BRANCH RESERVOIR NEAR CARMEL, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 7 of 7

[µg/L, micrograms per liter; WB, Untreated water supply; <, less than]

Date	Sample start time	Propiconazole, water, filtered, recoverable, µg/L (50471)	Propoxur, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38538)	Siduron, water, filtered, recoverable, µg/L (38548)	Sulfo-meturon-methyl, water, filtered, recoverable, µg/L (50337)	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Terbacil, water, filtered, recoverable, µg/L (04032)	Triclopyr, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49235)	Caffeine, water, filtered, recoverable, µg/L (50305)
07-26-2011	0905	< .04	< .060	< .04	< .060	< .060	< .040	< .08	< .080