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SALINITY OF GROUND WATER IN RIVERHEAD AND SOUTHOLD TOWNSHIPS,
SUFFOLK COUNTY, N. Y., 1948-50

By

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in cooperation with the
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and the
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SALINITY OF GROUND WATER IN RIVERHEAD AND SOUTHOLD TOWNSHIPS,
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In 1932 the United States Geological Survey in cooperation with the Suffolk County Board of Supervisors began a long-range investigation of ground-water resources of Suffolk County. The basic studies consist of periodic measurement and analysis of the trend of ground-water levels, and the systematic sampling of ground water for sea water (chloride content). A comprehensive sampling program was started in 1945 in Riverhead Township and was extended in 1948 into Southold Township. Water samples were collected from 1945 to 1948 in 173 wells and 7 ponds, and the chemical analysis of these showed in general low salinities and no evidence of any progressive encroachment of sea water (Roberts, 1949).

Approximately one-third of the wells sampled in 1948 were selected in the summer of 1949 to serve as indexes of trends in the salinity of ground water in the Riverhead and Southold Townships, as it was considered more practical to sample a fewer number of wells once the salinity pattern was established. Salinity records for 1949 and 1950 are listed in tables 1 and 2 in the present report. Table 3 lists the chloride content of water pumped from public water-supply wells in the Riverhead and Southold Townships.

The chloride content of water from most of the irrigation wells sampled in 1948, 1949, and 1950 was less than 50 parts per million, and from a very few wells was from 50 to 100 parts per million. However, the salinity of water pumped for irrigation from a few low-lying areas, adjacent to salt marshes, was more than 100 parts per million. (U. S. Public Health Service drinking water standards permit a maximum of 250 parts per million).

Pumpage in Riverhead and Southold Townships (referred to popularly as the North Fork) for public supply and domestic use, even at the height of the vacation season is comparatively small, except in one locality near the eastern tip of the North Fork. In Greenport during the summer season when comparatively heavy withdrawals are made, the chloride content of well water at village pumping stations 1 and 3 is frequently more than 100 parts per million, as indicated in table 3 and by other available records.

On the other hand, pumpage for supplemental irrigation is becoming increasingly important in Riverhead and Southold Townships. The ideal climate and loamy soil make extremely profitable the cultivation of potatoes, cauliflower, and other vegetables. Since 1940 more than 250 wells have been drilled to utilize ground water for supplemental irrigation, to increase crop yields, and to protect crops against heavy losses during droughts.

Withdrawals for supplemental irrigation vary inversely with the amount and intensity of rainfall during the growing season, being greatest during extended dry spells. In 1949 more than 4 billion gallons was pumped in the North Fork for agricultural uses. In 1950 because rainfall was nearly normal and somewhat more evenly distributed during the growing season, less than 2 billion gallons was pumped.

Contamination of ground water by the landward advance of sea water almost entirely surrounding the North Fork is potentially a very serious problem. The water table in Southold Township ranges from about 4 feet above mean sea level in the Laurel and Cutchogue areas to less than 1 foot above sea level in areas to the east (Luszczynski and Hoffman, 1951). Over-pumpage for prolonged periods would cause a lowering of the water table to stages below sea level and result in salt-water intrusion first locally and eventually throughout large areas.

The opportunity to collect water samples at public-supply, agricultural, and domestic wells was made possible through the kindness and courtesy of water companies and many private well owners, all of whom permitted members of the U. S. Geological Survey access to their wells, pumped wells often to their own inconvenience, and frequently gave physical assistance. The water companies also furnished well data and earlier records of chemical analyses.

REFERENCES

Luszczynski, N. J., and Hoffman, J. F., 1951, The water table in Southold Township, Suffolk County, Long Island, N. Y. Manuscript report in files of U. S. Geol. Survey.

Roberts, C. M., 1949, Ground-water levels and chloride content for the townships of Riverhead and Southold, Suffolk County, N. Y.: (duplicated report in files of the U. S. Geol. Survey).

Table 1. * CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER a/
IN RIVERHEAD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950

State well number	Owner	Location	1948	1949	1950
S527	H. C. Hockett	North side Sound Ave. near Horton Ave., Riverhead	20 8/30/48		
S552	Congregational Church	North side Sound Ave. east of Oakleigh Ave., Riverhead	20 7/30/48		
S620	Lloyd Corwin	West side Meetinghouse Creek 0.4 mile south of Main Rd., Aquebogue	42 7/26/48		
S638	Edward Drop	0.3 mile south of intersection of Main Rd. and Doctors Path, Aquebogue	17 9/1/48		
S644	Jules B. Singer	0.7 mile north of intersection of Sound Ave. and Doctors Path, Riverhead	26 7/30/48		
S716b	J. Wesley Warner	South side Main Rd. opposite Doctors Path, Riverhead	54 8/4/48	14 7/12/49	c
S738	John Twomey	South side Old Country Rd. at Twomey Ave., Calverton	18 8/11/48		
S932	Anna Tremski	North side Middle Country Rd. west of Edwards Ave. Calverton	26 8/4/48		
S1029	J. Downs	Southeast corner Cedar Ave. and Main Rd., Aquebogue	20 7/27/48		
S1097	Kenneth Pugsley	West side Roanoke Ave. near Sound Ave., Riverhead	32 7/27/48		
S1100b	Mrs. L. L. Terry	North side Sound Ave. between Roanoke Ave. and Doctors Path, Riverhead	26 8/4/48	30 9/16/49	c
S1128	Philip Burre	0.8 mile northeast of inter- section of Sound Ave. and Fresh Pond Rd., Riverhead	14 7/30/48		
S1129	Albert Magee	0.7 mile northeast of inter- section of Sound Ave. and Fresh Pond Rd., Riverhead	16 7/30/48		

See footnotes at end of table

Table 1. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER a/
IN RIVERHEAD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well number	Owner	Location	1948	1949	1950
SI215	State of New York, L.I. Research Farm	South side Sound Ave. near Horton Ave., Riverhead	22 7/27/48		
SI232	Mrs. Chas. Trubisz	North side Sound Ave. between Herrick and Aldrich Lanes, Riverhead	24 8/21/48		
SI259	Alexander Anasky	South side Middle Country Rd. west of Edwards Ave., Calverton	24 8/11/48		
SI421b	John McKay & Sons	South side Main Rd. west of Cedar Ave., Aquebogue	25 7/26/48	22 7/12/49	25 7/12/50
SI481	Reeves Park Beach Co.	West side Park Rd. 0.5 mile north of Sound Ave., Riverhead	21 7/27/48		
SI610	Leon Fanning	0.3 mile south of intersection of Sound and Union Aves., Riverhead	38 7/28/48		
SI776	A. H. Warner	North side Sound Ave. at Osborn Ave., Baiting Hollow	10 7/28/48		
SI777	H. E. Aldrich	East side Doctors Path 0.5 mile south of Reeves Ave., Riverhead	12 7/28/48		
SI790	R. J. Goodale	0.5 mile north of intersection of Doctors Path and Main Rd., Aquebogue	20 7/26/48		
SI822	A. R. Thurm & Son	East side Fresh Pond Ave. 1.3 mile north of Old Country Rd., Calverton	16 8/9/48		
SI838b	H. R. Talmage & Son	North side Sound Ave. near Horton Ave., Riverhead	22 8/30/48	20 7/12/49	c
SI892b	H. Meyjes	West side Riley Ave. 0.7 mile north of Middle Country Rd., Calverton	28 8/12/48	26 9/19/49	24 7/13/50
SI912b	Wm. Weckesser	North side Sound Ave. 0.5 mile east of Fresh Pond Rd., Riverhead	23 8/31/48	18 7/12/49	16 7/13/50

See footnotes at end of table

Table 1: - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER a/
IN RIVERHEAD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well number	Owner	Location	1948	1949	1950
S1929b	John C. Nienstedt	West side Oakleigh Ave. north of Sound Ave., Baiting Hollow	13 7/28/48	20 9/19/49	16 7/13/50
S1930	do.	North side Sound Ave. west of Oakleigh Ave., Baiting Hollow	26 7/28/48		
S1931	do.	Northeast corner Sound and Oakleigh Aves., Baiting Hollow	26 7/28/48		
S2010b	Edward C. Griffin & Son	East side Park Rd. 0.5 mile north of Sound Ave. Riverhead	22 7/27/48	20 9/19/49	18 7/13/50
S2017	Reeves Park Beach Co., Inc.	West side Park Rd. 0.5 mile north of Sound Ave., Riverhead	17 7/27/48		
S2018	do.	West side Park Rd. 0.7 mile north of Sound Ave., Riverhead	28 7/27/48		
S2099b	George A. Barker	North side West Main St. between Mill Rd. and Harris Ave., Riverhead	38 7/30/48	40 9/19/49	20 7/13/50
S2331	Hiram Corwin	East side Cedar Ave. south of Main Rd., Aquebogue	24 7/26/48		
S2365	E. G. Swanson	West side Maple St. 0.3 mile south of Flanders Rd., Riverhead	24 8/12/48		
S2370	N. Barowitz	North side Main Rd. between West Lane and Cedar Ave., Aquebogue	22 7/30/48		
S2534	Reeves Park Beach Co., Inc.	West side Park Rd. 0.4 north of Sound Ave., Riverhead	19 7/27/48		
S2586	Mrs. Arthur G. Meyers	North side Sound Ave. east of Fresh Pond Rd., Baiting Hollow	16 8/30/48		

See footnotes at end of table

Table 1. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER a/
IN RIVERHEAD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well number	Owner	Location	1948	1949	1950
S2587	Mrs. Arthur G. Meyers	0.6 mile northeast of inter- section of Fresh Pond Rd. and Sound Ave., Baiting Hollow	16 8/30/48		
S2588	do.	0.8 mile north of intersection of Fresh Pond Rd. and Sound Ave., Baiting Hollow	18 8/30/48		
S2654	I. M. Young	Southeast corner Sound and Roanoke Aves., Riverhead	24 8/29/48		
S2838	Herman H. Wells	North side Main Rd. west of Union Ave., Aquebogue	20 8/16/48		
S2840	W. S. Miller	0.7 mile northeast of inter- section of Sound Ave. and Fresh Pond Rd., Riverhead	15 8/31/48		
S3002	Leonard Kobylenski	North side Middle Country Rd., 0.4 mile west of Edwards Ave., Calverton	18 8/10/48		
S3046	Antone Yambruski	East side Church Lane at Phillips Lane, Aquebogue	28 8/13/48		
S3069b	R. S. McDonald	Southwest corner Flanders Rd. and Maple St., Riverhead	—	12 9/22/49	c
S3090	Bruno Zaloga	North side Main Rd. between Union Ave. and West Lane Aquebogue	24 7/30/48		
S3277	F. F. & C. T. Reeve	South side Main Rd. between West Lane and Tuthill Ave., Aquebogue	28 7/30/48		
S3278	Chas. Stepanitus	North side Main Rd. near West Lane, Aquebogue	14 7/30/48		
S3570	John Balnis	North side Reeves Ave. between Horton and Roanoke Aves., Riverhead	27 7/27/48		
S3627	Leon Fanning	East side Union Ave. south of Sound Ave., Riverhead	40 8/29/48		

See footnotes at end of table.

Table 1. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER
IN RIVERHEAD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well number	Owner	Location	1948	1949	1950
S3634	Leon Fanning	Southeast corner Union and Sound Ave., Riverhead	40 8/30/48		
S3705	Geo. F. Naugles	North side Sound Ave. at Herrick Lane, Riverhead	25 8/16/48		
S3716	Allison L. Young	Southeast corner Sound Ave. and Doctors Path, Riverhead	20 8/4/48		
S3720	Michael Balnis	Sound Ave., Riverhead	66 7/29/48		
S3721b	Walter Kobylenski	South side Middle Rd. at Deep Hole Rd., Riverhead	30 8/10/48	21 7/12/49	c
S3722	Frank Yousik	Northeast corner Roanoke Ave. and Middle Rd., Riverhead	20 8/3/48		
S3764	Raymond McKay	East side Union Ave. 0.7 mile north of Main Rd., Aquebogue	28 7/26/48		
S3765	Clyde McBurnie	0.5 mile northeast of inter- section of Roanoke Ave. and Middle Rd., Riverhead	28 8/4/48		
S3767	Edw. Koroleski	0.4 mile southeast of inter- section of Reeves and Roanoke Aves., Riverhead	22 7/28/48		
S3779	Stanley Zaweski	0.4 mile south of intersection of Main Rd. and Herrick Lane, Jamesport	24 8/16/48		
S3824b	Leslie T. Wells	South side Sound Ave. at Pennys Rd., Riverhead	28 7/29/48	28 9/16/49	c
S3845	Dan Donahue	Northeast corner Middle Country Rd. and Edwards Ave., Calverton	29 8/11/48		
S3878	John A. Danielowich	East side Middle Rd. 0.4 mile north of Old Country Rd., Calverton	20 8/16/48		

See footnotes at end of table.

Table 1. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER a/
IN RIVERHEAD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well number	Owner	Location	1948	1949	1950
S3941	A. J. Rychlineski	North side River Rd. between Fresh Pond Rd. and Edwards Ave., Calverton	19 8/11/48		
S3958	Jacob Karlin	East side Riley Ave. 0.6 mile north of Edwards Ave., Calverton	20 7/30/48		
Sl4025	George Naugles	North side Sound Ave. at Herrick Lane, Riverhead	28 7/29/48		
Sl4048	Otto DeFriest	North side Sound Ave. at Osborn Ave., Baiting Hollow	26 7/27/48		
Sl4066	Vincent Zilnicke	West side Roanoke Ave. 0.4 mile north of Reeves Ave., Riverhead	30 8/3/48		
Sl4067	Stanley Kozok	East side Roanoke Ave. near Reeves Ave., Riverhead	26 7/27/48		
Sl4068	James Kaslin	Southeast corner Reeves and Roanoke Aves., Riverhead	30 8/3/48		
Sl4077	Mrs. Adella Yakaboski	Northwest corner Middle Country Rd. and Twomey Ave., Riverhead	22 8/11/48		
Sl4078	S. Blasco	North side Deep Hole Rd. east of Twomey Ave., Calverton	24 8/11/48		
Sl4079	Peter Zaweski	East side Pier Ave. between Sound Shore Rd. and Sound Ave., Riverhead	26 7/30/48		
Sl4080	Louis Adamczeski	Northwest corner River Rd. and Edwards Ave., Calverton	12 8/11/48		
Sl4082b	Frank Doroski	West side of West Lane between Sound Ave. and Main Rd., Aquebogue	26 8/16/48	28 9/1/49	c
Sl4083	Mike Czygier	South side Middle Country Rd. between Fresh Pond Rd. and Edwards Ave., Calverton	18 8/12/48		

See footnotes at end of table.

Table 1. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER a/
IN RIVERHEAD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well number	Owner	Location	1948	1949	1950
Sh086	Walter Koroleski	South side Reeves Ave. between Roanoke Ave. and Doctors Path, Riverhead	26 7/28/48		
Sh087	Edward Sujeski	East side Twomey Ave. between Sound and Youngs Aves., Calverton	28 8/10/48		
Sh088	P. M. Hogan	West side Twomey Ave. at Deep Hole Rd., Calverton	30 8/10/48		
Sh089	Charles McKay	North side Middle Rd. east of Harrison Ave., Riverhead	22 8/9/48		
Sh090	Anton Yousik	North side Reeves Ave. west of Roanoke Ave., Riverhead	22 7/28/48		
Sh097	K. F. Terry	South side Sound Ave. east of Horton Ave., Riverhead	23 8/4/48		
Sh116	E. Young	Northeast corner Sound Ave. and Pennys Rd., Riverhead	30 9/1/48		
Sh122	R. J. Goodale & Sons	0.7 mile north of intersection of Main Rd. and Doctors Path, Aquebogue	30 7/26/48		
Sh123	Jos. Anderson	Northeast corner Main Rd. and Tuthill Ave., Jamesport	30 9/2/48		
Sh124	L. Romanowski (formerly W. Kobylenski)	0.2 mile south of intersection of Middle and Deep Hole Rds., Calverton	20 8/10/48		
Sh125	Mike Berezny	West side Mill Rd. between Middle and Old Country Rds., Riverhead	12 8/5/48		
Sh143	Stanley Zaweski	South side Main Rd. at Herrick Lane, Jamesport	26 9/9/48		
Sh194b	Halsey Reeve	Middle Rd., Riverhead	26 8/5/48	30 9/16/49	25 7/13/50

See footnotes at end of table.

Table 1: - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER a/
IN RIVERHEAD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well number	Owner	Location	1948	1949	1950
S4231	Jebb Weir, Inc.	Northeast corner Main Rd. and Manor Lane, Jamesport	17 9/2/48		
S4237	Maxim Bobinski	West side of Line Rd. south of Middle Country Rd., Manorville	10 9/2/48		
S4240	Mitchell Ziemacki	West side Manor Lane north of Main Rd., Jamesport	30 9/1/48		
S4415	Mike Czygier	North side Middle Country Rd. between Fresh Pond Rd. and Edwards Ave., Calverton	21 8/11/48		
S4416	Walter Waskewicz	Northeast corner Parker Rd. to Riverhead and Hulse Landing Rd., Wading River	12 8/30/48		
S4417	W. R. Linner	East side Osborn Ave. north of Reeves Ave., Riverhead	18 8/5/48		
S4421	Irving Hulse	South side Sound Ave. between Hulse Landing and Fresh Pond Rds., Baiting Hollow	18 8/30/48		
S4422	Fred Lawin	Southwest corner Sound and Edwards Aves., Baiting Hollow	25 8/30/48		
S4473	Peter J. Kujawski	North side Sound Ave. at Herrick Lane, Jamesport	30 9/2/48		
S4511	Vernon F. Wells	North side Sound Ave. at Phillips Lane, Riverhead	21 7/29/48		
S4512	Chas. Cichanowicz	East side Herrick Lane south of Sound Ave., Jamesport	30 9/7/48		
S4513	John Cichanowicz	West side Northville Turnpike north of Doctors Path Riverhead	20 8/5/48		
S4514	L. Y. Robinson	South side Sound Ave. between Roanoke Ave. and Doctors Path, Riverhead	17 8/31/48		

See footnotes at end of table.

Table 1. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER ^{a/}
IN RIVERHEAD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well number	Owner	Location	1948	1949	1950
Sl543	Jos. Karpinski	0.4 mile northeast of inter- section of Sound and Oakleigh Aves., Baiting Hollow	25 8/31/48		
Sl544	Anton Wanat	North side Sound Ave. near Twomey Ave., Baiting Hollow	34 8/30/48		
Sl547	John Shuot	East side Herrick Lane south of Sound Ave., Jamesport	28 9/12/48		
Sl551b	Halsey Reeve	Northwest corner Roanoke and Reeves Aves., Riverhead	12 8/5/48	28 9/16/49	8 7/13/50
Sl566b	Jos. Sieminski	East side Manor Lane north of Peconic Bay Blvd., Jamesport	25 9/2/48	26 7/12/49	25 7/12/50
Sl617	Max Sawicki	West side West Lane between Sound Ave. and Main Rd., Aquebogue	28 8/13/48		
Sl620	Stanley Cichanowicz	East side Manor Lane 0.2 mile south of Sound Ave., Riverhead	24 8/5/48		
Sl676	J. T. Luce	North side Sound Ave. near Church Lane, Jamesport	24 9/2/48		
Sl795	M. Zeimacki	East side Manor Lane north of Main Rd., Jamesport	25 8/30/48		
Sl825	John F. Danielowich	East side Schultz Rd. 0.4 mile south of Swan Pond Rd., Riverhead	18 10/4/48		
Sl944	Jos. Ruskowski	South side Middle Country Rd. east of Fresh Pond Rd., Calverton	19 8/12/48		
S5012b	Walter Smith	South side Sawmill Creek east of intersection of Main Rd. and Hubbard Ave., Riverhead	16 8/19/48	12 9/19/49	c

See footnotes at end of table.

Table 1. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER ^{a/}
IN RIVERHEAD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well number	Owner	Location	1948	1949	1950
S5115	John Twomey	East side Twomey Ave. 0.5 mile north of Old Country Rd., Calverton	21 8/10/48		
S5317	Walter Kobylenski	North side Middle Rd. at Deep Hole Rd., Riverhead	14 8/10/48		
S5344	J. P. McCabe	North side Middle Rd. at Harrison Ave., Riverhead	30 8/13/48		
S5366	A. F. Nienstedt	Northeast corner Roanoke Ave. and Middle Rd., Riverhead	28 8/9/48		
S5503	F. J. Zaweski	0.3 mile south of intersection of Main Rd. and Herrick Lane, Jamesport	34 9/8/48		
S5625	John F. Kruszeski	Main Rd., Aquebogue	28 8/13/48		
S5707	John Balnis	Northeast corner Horton and Reeves Aves., Riverhead	29 8/13/48		
S5708	William Tyska	Northeast corner Fresh Pond and Middle Country Rds., Calverton	25 8/13/48		
S6028b	Henry Hallock	West side Pier Ave. 0.4 mile north of Sound Ave., Riverhead	22 7/29/48	25 7/12/49	21 7/13/50
S6029	John Greseck	West side Twomey Ave. 0.4 mile south of Sound Ave., Calverton	23 8/12/48		
S6901	Joseph Gatz	Sound Ave., Riverhead	12 7/29/48		
S7269b	J. P. Celic	South of Peconic Bay Blvd. west of Manor Lane, Jamesport	29 8/21/48	30 9/16/49	29 7/12/50

^{a/} Samples obtained from domestic and irrigation wells.

^{b/} Selected in 1949 for sampling annually.

^{c/} No results in 1950.

Table 2. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER ^{a/}
IN SOUTHOLD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950

State well number	Owner	Location	1948	1949	1950
S1818b	Nicholas Chudiak	Southeast corner Cox Neck and Oregon Rds., Mattituck	30 8/16/48	28 9/13/49	25 7/12/50
S2676b	Wm. A. Lindsay	Southwest corner Bergen Ave. and Cox Neck Rd., Mattituck	22 9/17/48	12 9/14/49	16 7/12/50
S3588	J. M. Lupton & Son,	East side New Suffolk Rd.	26		
S3589	Wickham Farm	South of Main Rd., Cutchogue	9/14/48		
S3723	Isidore Krupski	North side Main Rd. at Bay Ave., Peconic	35 9/13/48		
S3966b	Chester R. Koloski	North side Peconic Bay Blvd. 1 mile east of Laurel Lane, Laurel	23 9/3/48	17 7/12/49	18 7/12/50
S4027	Stanley Simchick	East side Alvahs Lane 0.2 mile north of North Rd., Cutchogue	28 8/16/48		
S4081	Joseph Celic	North side Bergen Ave. 0.5 mile west of Cox Neck Rd., Mattituck	36 8/16/48		
S4091b	Baron Hill	West side Railroad Ave. 0.4 mile south of Main Rd., Southold	37 9/13/48	40 9/13/49	83 7/11/50
S4135b	A. J. Dzenkowski	North side North Rd. east of Rocky Point Rd., East Marion	26 9/14/48	24 7/18/49	24 7/7/50
S4137b	Steve Korolaski	South side Main Rd. between Bay Ave. and Indian Neck Rd., Peconic	30 8/6/48	26 9/14/49	25 7/11/50
S4352	Edward Buchak Buchak Farm	East side Aldrich Lane north of Main Rd., Laurel	28 9/3/48		
S4413b	Paul Kaloski	East side Alvahs Lane 0.4 mile north of Main Rd., Cutchogue	21 8/6/48	28 8/24/49	c

See footnotes at end of table

Table 2: - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER a/
IN SOUTHOLD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well Number	Owner	Location	1948	1949	1950
S4474b	John Pietrewicz	Northwest corner Main Rd. and Cox Lane, Cutchogue	30 9/9/48	28 7/7/49	29 7/11/50
S4484b	M. J. Shipuleski	West side Jacobs Rd. 0.4 mile north of North Bayview Rd., Southold	35 9/14/48	30 7/7/49	29 7/11/50
S4565b	Mike Muznic	Southwest corner Main Rd. and Linden Ave., Cutchogue	25 9/10/48		19 7/11/50
S4576b	Wm. Chudiak	South side Bergen Ave. 0.4 mile west of Cox Neck Rd., Laurel	32 9/8/48	32 8/29/49	c
S4580	Mrs. M. Doroski	Northwest corner Main Rd. and Cox Lane, Cutchogue	45 9/10/48		
S4585	Joseph Cain	0.3 mile west of intersection of Aldrich Lane and Main Rd., Laurel	24 9/3/48		
S4618	Leander Glover	Northwest corner Main Rd. and Cox Lane, Cutchogue	36 9/10/48		
S4725b	Alex Domaleski	Southeast corner Oregon Rd. and Depot Lane, Mattituck	22 9/8/48	24 7/18/49	23 7/11/50
S5189	Leander Glover	0.4 mile south of intersection of North Rd. and Bridge Lane, Cutchogue	32 9/8/48		
S5208	John Bauer	0.4 mile west of intersection Main Rd. and Peconic Lane, Peconic	20 9/10/48		
S5475 S5476	W. Vanston	1.6 miles south of inter- section of Main Rd. and Bay Ave., Nassau Point	37 9/13/48		
S5602	Walter Bialecki	North Rd., Cutchogue	26 9/8/48		
S5665b	John F. McNulty	0.3 mile north of inter- section of Laurel Lane and Peconic Bay Blvd., Laurel	26 7/9/48	34 9/14/49	24 7/12/50

See footnotes at end of table.

Table-2. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER ^{a/}
IN SOUTHOLD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State well number	Owner	Location	1948	1949	1950
S6038	Edward Zuhoski	East side Cox Lane south of North Rd., Cutchogue	20 9/9/48		
S6059b	Anton J. Kull	0.2 mile south of sharp bend in Indian Neck Rd., Peconic	493 9/10/48	48 9/15/49	c
S6119b	Wm. Wickham	West side Alvahs Lane north of Main Rd., Cutchogue	26 9/16/48	28 9/13/49	24 7/11/50
S6148b	P. Orlowski	West side Cox Lane north of Main Rd., Cutchogue	24 9/9/48	28 8/25/49	c
S6149b	J. Pietrewicz	Southwest corner North Rd. and Cox Lane, Cutchogue	33 9/8/48	28 7/18/49	30 7/11/50
S6150	S. Slediaski	Northwest corner Bergen Ave. and Breakwater Rd., Mattituck	20 9/7/48		
S6190	D. Cooper	Bergen Ave., Mattituck	27 9/7/48		
S6192	T. Bonkoski	West side Alvahs Lane 0.4 mile south of North Rd., Cutchogue	25 9/9/48		
S6193b	S. Doroski	0.5 mile west of intersection of North and Kenneys Rds., Southold	25 9/13/48	30 8/24/49	30 7/12/50
S6779b	Martin Sidor	North side North Rd. between Mill and Elijahs Lanes, Mattituck	30 9/8/48	38 9/14/49	26 7/12/50
S6780b	John Moisa	0.6 mile north of intersection of Bergen Ave. and Cox Neck Rd., Mattituck	24 9/7/48	24 7/18/49	20 7/12/50
S7168b	Ed. King	South side North Rd. in vicinity of Hallocks Rd., Orient	42 10/12/48	36 9/18/49	36 7/16/50
S7169b	R. W. Gillispie	South side North Rd. east of Platte Lane, Orient	62 9/23/48	56 9/15/49	c

See footnotes at end of table.

Table 2. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER a/
IN SOUTHOLD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950 - Continued

State	well	Owner	Location	1948	1949	1950
number						
S7170b	Stanley Koroleski	North side North Rd. 1 mile west of Orient Point, Orient Point	54 9/23/48	55 7/5/49	50 7/6/50	
S7171b S7172	E. Kenneth Tabor	North side North Rd. near Platte Lane, Orient	43 9/30/48	44 7/18/49	40 7/6/50	
S7173b	Geo. W. Hallock	East side Platte Lane south of North Rd., Orient	15 9/24/48	16 9/24/49	12 7/6/50	
S7175b	Wm. Haberman	North side North Rd. near Platte Lane, Orient	48 9/30/48	60 9/24/49	41 7/6/50	
S7176	H. S. Duval	0.7 mile south of North Rd. at Orient Point, Orient Point	1000 9/30/48	465 7/5/49		
S7179b	E. Kenneth Tabor	South side Orchard St. south of North Rd., Orient	66 9/30/48	40 7/8/49		
S7180b	D. M. Robertson	North side North Rd. east of Platte Lane, Orient	48 9/30/48	48 9/24/49	46 7/6/50	
S7267	Southold Township (Town Dump well)	0.4 mile north of intersection of North Rd. and Depot Lane, Cutchogue	20 9/9/48			

See footnotes at end of table.

Table 2. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER a/
IN SOUTHDOLD TOWNSHIP, SUFFOLK COUNTY, N. Y., 1948-1950

State pond number	Owner	Location	1948	1949	1950
P1b	Perry Douglas	0.6 mile east of intersection of North Rd. and Platte Lane, Orient	18 9/24/48	32 7/8/49	20 7/6/50
P2b	H. M. Demarest & Sons	0.9 mile northeast of inter- section of North Rd. and Platte Lane, Orient	78 9/24/48	72 9/14/49	91 7/6/50
P3b	Irving Latham	North side North Rd., Orient Point	14 9/24/48	16 9/14/49	20 7/6/50
P4b	do.	South side North Rd., Orient Point	100 10/11/48	40 7/5/49	93 7/6/50
P5b	H. S. Duval	do.	56 9/30/48	64 7/5/49	31 7/6/50
P6b	do.	do.	5810 9/30/48	205 7/5/49	164 7/6/50
P7b	Ed. King	South side North Rd. near Rocky Point Rd., East Marion	40 9/24/48	—	20 7/7/50

a/ Domestic and irrigation wells, and irrigation ponds.

b/ Selected in 1949 for sampling annually.

c/ No results in 1950.

Table 3. - CHLORIDE CONTENT (SALINITY), IN PARTS PER MILLION, OF GROUND WATER
FROM PUBLIC SUPPLY WELLS IN RIVERHEAD AND SOUTHOLD TOWNSHIPS,
SUFFOLK COUNTY, N. Y., 1949 and 1950

State well number	Owner	Location	1949	1950	Remarks
S1319- S1322	Riverhead Water Supply	North side West Main St. between Mill Rd. and Harrison Ave., Riverhead	12 9/19/49	8 7/13/50	
S169	North Fork Water Co.	South side Main Rd. east of South Harbor Rd., Southold	24 9/13/49	36 7/11/50	
S170	do.	do.	40 9/13/49	36 7/11/50	
S3045	do.	do.	40 9/13/49	31 7/11/50	
S4163	do.	do.	40 9/13/49	36 7/11/50	
S1668	Village of Greenport	Moore's Lane near Main Rd., Greenport	80 8/25/49	--	Station 1
S1669	do.	do.	135 8/25/49	153 7/7/50	Station 1
S1673- S1678	do.	Southeast corner North Rd. and Moore's Lane, Greenport	424 8/24/49	123 7/7/50	Station 3 - recharge of surface water practiced
S3697	do.	North side North Rd. west of Rocky Point Rd., East Marion	22 8/25/49	30 7/7/50	Station 4
S3698	do.	do.	28 8/25/49	27 7/7/50	Station 4

Note: All wells listed above to be sampled annually.