

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

OFFICE COPY HOLD 41-074-11
ROSENDALE QUADRANGLE
42 NEW YORK
N4145-W7400/15
DIAGRAM NK 18-8
SCRANTON

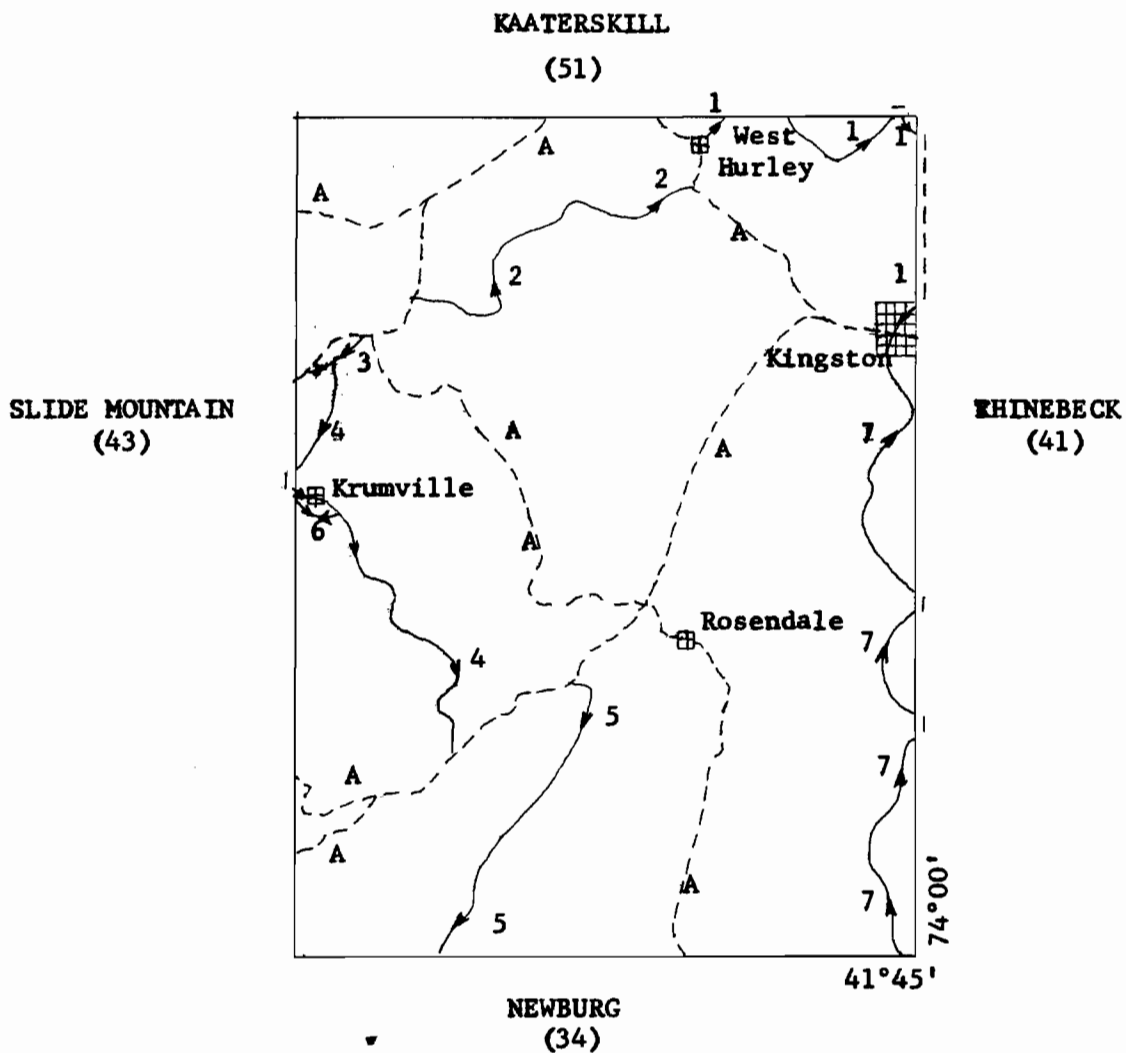
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Ulster County

Final adjustment of 1976

Edition of 3/18/77

PR: FJK/kp



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 410741

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16 WHC 1963 418	7	DORVAUX NO 2 1942	5
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	<u>Feet</u>
ISOLATED BENCH MARKS (By W. B. D. Moore, 1900; W. E. Greene, 1901; Book 8018, M. C. McClellan, 1931; Book 4648)	
Kingston; city hall; in center of face of wall of front portico; standard tablet stamped "223 ALBANY" (Reported destroyed, 1964)	223.760
West Hurley, 0.5 mi E. of RR. station; 100 ft NW. of rd. crossing on S. side of hwy.; standard tablet stamped "546 ALBANY" (Not found, 1964)	546.312
Alligerville; in E. end of S. abutment of bridge over Rondout Creek; standard tablet stamped "220 ALBANY 1901 RESET 1965"	227.214
Rifton; 150 ft from post office; E. side of rd.; rock ledge; standard tablet stamped "170 ALBANY 1901"	169.887
Kingston City Hall, 2.4 mi NW. of, along Ulster & Delaware RR.; 0.2 mi ft SW. of bridge over Esopus Creek; 40 ft SE. of U. S. Highway 6-N at sharp curve; 90 ft SW. of private rd. to Suydam Farm; in limestone ledge; standard tablet stamped "MM 19 1931" (Reported destroyed, 1968)	175.742
West Hurley Station, 2.1 mi SE. of; 500 ft NW. of milepost No. K-8; 30 ft SW. of tracks; in embedded boulder; standard tablet stamped "MM 20 1931"	398.465

LINE 1.

By W. H. Clarkson, 1963; Book AV 966

1	4	0.00	"Y 46 1934" (NGS)	597.473
			[Jogs into Kaaterskill quadrangle]	
1	4	0.30	U.E., in centerline of T-rd. E.; copper nail and washer	567.91
1	16	5.94	Zena, 3.6 mi SE. of; at Sawkill; on bridge over Sawkill Creek; in E. end of S. sidewalk; standard tablet stamped "3 WHC 1963 190"	189.787
1	17	5.95	Reference mark; 33 ft N. of tablet; on E. end of N. sidewalk of bridge; chiseled square	189.31

LINE 1 (Cont'd.)Feet

1	19	7.11	U.E., 17 ft E. of, and 1 ft higher than centerline of rd. at N. end of concrete bridge; on NE. concrete abutment; chiseled square	156.04
1	22	8.51	Sawkill, 2.6 mi NE. of; 110 ft N. and 50 ft E. of, and 5 ft lower than rd. at drive W.; in headwall of concrete culvert; standard tablet stamped "4 WHC 1963 177"	177.312

[Jogs into Kaaterskill, Rosendale, and Rhineback quadrangles]

1	34	13.93	Kingston; 10 ft N. and 70 ft E. of, and 2 ft higher than junction of Albany Ave. and Flatbush Ave.; at Esso Service Station; in concrete base of flood lights; standard tablet stamped "6 WCH 1963 180"	179.613
1	33	13.92	Reference mark; 30 ft SW. of tablet; on curb; chiseled square	178.38
1	35	14.46	U.E., on W. end of curb at divided street; chiseled square	179.58
1	37	15.56	"W 74 1935" (NGS)	164.084

LINE 2.

By W. H. Clarkson, 1963; Book AV 966

1	40	0.00	"GG 292 1942" (NGS)	506.485
1	41	1.32	U.E., 15 ft NE. of centerline of rd.; on headwall of concrete culvert; chiseled square	564.73
1	42	2.02	Ashokan Reservoir headquarters building; 2.0 mi E. of; 400 ft W. of junction of State Highway 28-A and Y-rd. SW.; at S. end of spillway of lake; in top of stone and concrete retaining wall; standard tablet stamped "7 WHC 1963 594"	594.365
1	43	2.05	Reference mark; 115 ft E. of tablet; on top of retaining wall; chiseled square	589.12
1	47	2.82	U.E., on concrete bridge; on E. end of S. wheelguard; chiseled square	417.59

LINE 2 (Cont'd.)Feet

1	49	3.75	Ashokan Reservoir headquarters, 3.8 mi E. of; 100 ft E. of, and 22 ft higher than rd. at drive SE.; in bottom concrete step of residence; standard tablet stamped "8 WHC 1963 527"	527.160
1	53	5.83	Kingston, about 7.0 mi NW. of; in yard of R. E. Fox; on spur ridge; 0.1 mi S. of highest point of hill; 54 ft SW. of stone fence; 72 ft NE. of easternmost wall of house; in drill hole in outcropping bedrock; NGS standard triangulation station disk stamped "DORVAUX 1942"	822.111
1	54	5.84	Reference mark No. 1; 58 ft NW. of station; in small outcropping rock flush with ground; NGS standard reference mark disk stamped "DORVAUX NO 1 1942"	821.388
1	55	5.86	Reference mark No. 2; 57 ft NE. of station; in small outcropping rock projecting about 3 in.; NGS standard reference mark disk stamped "DORVAUX NO 2 1942"	822.958
1	59	7.91	Ashokan Dam headquarters, 7.9 mi NE. of; 1.8 mi SW. of West Hurley; 113 ft N. of, and 1 ft lower than junction of State Highway 85-A and Y-rd. NE.; in rock outcrop; standard tablet stamped "9 WHC 1963 600"	599.719
1	62	9.67	U.E., copper nail and washer (Described in line 1)	567.91

LINE 3.

By W. H. Clarkson, 1963; Book AV 966

1	64	0.00	"G 292 1942" (NGS)	570.560
1	64	0.69	U.E., in centerline of T-rd. SE.; copper nail and washer	700.82
1	65	1.04	"F 292 1942" (NGS)	716.537

LINE 4.

By W. H. Clarkson, 1963; Book AV 966

2	4	0.00	U.E., copper nail and washer (Described in line 3)	700.82
2	9	2.60	Olive Bridge, 4.0 mi SW. of; at Krumville; 100 ft N. and 85 ft W. of, and 12 ft lower than crossroads; at N. end of private residence; in concrete foundation of chimney; standard tablet stamped "10 WHC 1963 769"	768.911

LINE 4 (Cont'd.)Feet

2	10	3.14	U.E., in centerline of T-rd. SW.; copper nail and washer	767.44
2	13	4.80	Krumville, 2.2 mi SE. of; at Gilbert Scheringer house; in NE. corner of foundation wall; standard tablet stamped "827 ALBANY 1901"	827.225
2	17	6.91	Krumville, 4.3 mi SE. of; 4.3 mi NW. of Kyserike Station; 25 ft S. of, and 7 ft higher than rd.; in large boulder; standard tablet stamped "11 WHC 1963 686"	685.869
2	22	8.88	Kyserike Station, 2.3 mi N. of; 55 ft N. and 120 ft W. of junction of new U. S. Highway 209 and T-rd. N.; in headwall of concrete culvert; standard tablet stamped "12 WHC 1963 325"	325.025
2	23	9.47	U.E., 28 ft NW. of centerline of hwy.; on SW. end of concrete headwall; chiseled square	323.62
2	26	11.15	"Q 74 1935" (NGS)	239.038

LINE 5.

By W. H. Clarkson, 1963; Book AV 966

2	28	0.00	"R 74 1935" (NGS)	249.816
2	31	2.06	High Falls, 2.1 mi SW. of; 245 ft NE. of rd. and drive NW.; at cinder block cottage; in rear entrance concrete sidewalk; standard tablet stamped "13 WHC 1963 365"	365.154
2	35	4.16	High Falls, 4.2 mi SW. of; 40 ft N. and 30 ft E. of, and 3 ft higher than rd. at drive N.; at private residence; in concrete step at front entrance; standard tablet stamped "14 WHC 1963 273"	273.253
2	40	6.53	High Falls, 6.5 mi SW. of; 140 ft W. of, and 6 ft higher than rd. at drive NW.; at private residence; on concrete step to patio; standard tablet stamped "15 WHC 1963 625"	625.427

1963

LINE 6. (Double Run Spur Line)Feet

By W. H. Clarkson, 1963; Book AV 966

2	47	0.00	U.E., copper nail and washer (Described in line 4)	767.44
2	47	0.15	Olive Bridge, (bridge over Esopus Creek and State Highway 213); 0.6 mi SE. along State Highway 213 to T-rd. SW., thence right 3.1 mi to station on right; 0.1 mi NE. of T-rd.; 19 ft W. of centerline of rd. and drive E.; in 5- by 10-ft flat stone; standard tablet stamped "ET 4 WAC 777 1963"	776.910
2	48	0.30	U.E., copper nail and washer (Described in line 4)	767.44

LINE 7.

By W. H. Clarkson, 1963; Book AV 966

2	50	0.00	"A 144 1941" (NGS)	354.720
2	53	2.46	Lloyd, 2.7 mi N. of, across rd. from Lily Pond; 60 ft E. of centerline of rd.; at N. end of private residence; in NW. corner of concrete patio; standard tablet stamped "16 WHC 1963 418"	417.820
2	58	4.71	Lloyd, 4.7 mi N. of; 50 ft N. and 65 ft W. of, and 7 ft lower than rd. at drive E.; on S. side of chicken house; in concrete stoop; standard tablet stamped "17 WHC 1963 383"	382.850
2	63	6.52	Lloyd, 6.5 mi N. of; 28 ft E. of centerline of rd.; at SW. corner of private residence; in concrete rain gutter; standard tablet stamped "18 WHC 1963 482"	481.721
2	67	8.80	Lloyd, 8.8 mi N. of; 13 ft W. of centerline of rd.; at private cottage; in center of concrete entrance sidewalk; standard tablet stamped "19 WHC 1963 571"	571.389

Jogs into Rhinebeck quadrangle

2	72	11.24	Lloyd, 11.2 mi N. of; 7.0 mi S. of post office in Kingston; 60 ft S. and 40 ft E. of Y-rd. N.; at private residence; in concrete entrance sidewalk; standard tablet stamped "20 WHC 1963 234"	234.256
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LINE 7 (Cont'd.)Feet

2	76	13.30	Kingston Post Office, 4.9 mi S. of; 24 ft E. of, and 2 ft lower than centerline of State Highway 213; in concrete headwall of culvert; standard tablet stamped "21 WHC 1963 191"	190.681
2	77	13.83	U.E., 35 ft W. of, and 3 ft lower than centerline of rd.; on headwall of concrete culvert; chiseled square	186.24
2	79	15.24	Kingston Post Office, 3.0 mi S. of; at Lou's Boat Basin; 78 ft SE. of, and 2 ft lower than centerline of State Highway 213; in SE. corner of concrete grease rack; standard tablet stamped "22 WHC 1963 12" (Not found, 1970)	11.685
3	7	17.51	Kingston; 105 ft SE. of junction of Wilbur Ave. and Greenkill Ave.; at overhead crossing of New York Central RR.; 20 ft SW. of, and 5 ft higher than centerline of Wilbur Ave.; set vertically in stone wall of overpass; standard tablet stamped "23 WHC 1963 164"	164.076
3	8	18.15	"W 46 1934" (NGS)	190.931
3	10	19.13	U.E., copper nail and washer (Described in line 11)	179.58