

# DAM INSPECTION CHECKLIST

Date 10/10/02

NAME OF DAM

HANCOCK LAKE

FILE

43.18

INSPECTORS

CUMMINGS, HENNIGES

## ELEVATIONS

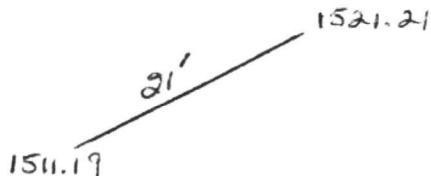
CHECK AREA AS INSPECTED	CHECK/CIRCLE CONDITION NOTED	OBSERVATIONS	
✓	✓ headwater	1518.04	
	✓ operating range	NONE AUTHORIZED	
	✓ gage reading	N/A	
	✓ tailwater	1511.19	
	✓ highwater mark	1518.04	
	✓ downstream bed	1510.54	
	✓ structural height	10.67	
x	✓ number & type	3 STOP LOGS (FROM PLANS)	
	✓ width	8'	
	top elevation		
	sill elevation	1514.6 (from PLANS)	
x	x number & type	STOP LOG CONTROLLED CHANNEL	
	x width	8'	
	x crest elevation	1516.64	
	apron		
	length	Left Right length (top) Emergency Spillway	
	@ dam abutment	→ 41.10' 64.9'	length (crest)
	mid-point		top left elevation
	@ groin		left crest elevation
	x low-point	1521.21 1521.26	top right elevation
			right crest elevation

Benchmark Information:

SEE ATTACHED FORM 3500-8

General Comments:

EMB. SLOPE (DS/Left)



$$21^2 = (1521.21 - 1511.19)^2 + b^2$$

$$b^2 = 340.6 \Rightarrow b = 18.46$$

$$H:V = 18.46:10:02$$

$$= 1.84:1$$

Name of Dam HANCOCK LAKE File No. 43.18 County ONEIDA  
Location SW 1/4 NE 1/4 Section 17 T 36 N, R 7 <sup>E</sup>/<sub>W</sub>  
Stream L. RICE CREEK Name of Lake Held by Dam HANCOCK  
Present Owner: TOWN OF WOODBORO

Existing Benchmarks:

	PSC	MSL
730-A	100.00	1521.16
730-C	100.55	1521.71
730-D	109.06	1530.22
730-E	99.87*	1521.03

\* DESK CALCULATION

SEE DESCRIPTIONS (ATTACHED)

730-C AND 730-F WERE NOT FOUND

ELEVATIONS OF 730-A, D, & E ON ATTACHED  
PROFILE LEVELING FORM

SUMMARY SHEET  
FORM 3500-8

DEPARTMENT OF NATURAL RESOURCES

Name of Dam Hancock Lake File No. 43.18 County Oneida E  
Location SW 1/4 NE 1/4 Section 17 T 36 N, R 7 XX  
Stream Rice Creek Name of Lake Held by Dam Hancock Lake  
Present Owner: Village of Woodboro

Existing Benchmarks:

730-A is a bronze tablet marked "Railroad Commission of Wisconsin" set  
in top of center of left upstream (SE) retaining wall of bridge at dam.  
Assumed Elevation = 100.00 feet (PSC) = ~~1520.18~~ <sup>1521.16</sup> feet (MSL) ~~10-29-87 WJS~~ <sup>3</sup> ~~1-11-88 WJS~~

730-C is a spike in the west side of a 12" pine tree, 1.4 ft. above ground,  
5 ft. from the edge of the lake, and about 50 ft. upstream from the  
dam on the left side.

Elevation = 100.55 feet PSC = 1521.71 MSL *may be setting - TEF - 12-17-87*

730-D is a Public Service Commission tablet set in a concrete postlocated  
118 feet left of the left downstream corner of the bridge over the  
dam and in line with downstream guard-rail.

Elevation = 109.06 PSC = 1530.22 MSL

730-E is a chiseled square set in the NW (downstream right) abutment wall  
of bridge over dam, 69 feet east of centerline of Oneida Lake Road  
and 13 feet west of centerline of abandoned roadway. <sup>1521.03</sup>

Elevation =

SUMMARY SHEET  
FORM 3500-8

DEPARTMENT OF NATURAL RESOURCES

Name of Dam Hancock Lake File No. 43.18 County Oneida  
Location SW 1/4 NE 1/4 Section 17 T 36 N, R 7 ~~XXX~~  
Stream Rice Creek Name of Lake Held by Dam Hancock Lake  
Present Owner: Village of Woodboro

Existing Benchmarks:

730-F is a railroad spike set in the north side of a 12" red pine tree.

B.M. is 56 feet east of centerline of abandoned roadway and 4 feet

south of Hancock Lake outlet stream. 1520.32

Elevation =

MSL

POINT	+ B.S.	H.I.	- F.S.	ELEV.	DIST.	REMARKS
1	5.44	105.44		100.00	1521.16	BM 730-A
2			8.56	96.88	1518.04	HEADWATER
3			8.56	96.88	1518.04	HIGH WATER MARK <sup>1</sup>
4			5.39	100.05	1521.21	POINT OF OVERTOPPING
5			15.41	90.03	1511.19	TAILWATER
6			16.06	89.38	1510.54	STREAM BOTTOM AT BASE
7			5.57	99.87	1521.03	BM 730-E
8			9.96	95.48	1516.64	CREST (ALUMINUM FLASHING) <sup>2</sup>
9			10.26	95.18	1516.34	SILL - TOP OF STOP LOGS <sup>3</sup>
10			5.44	100.00	1521.16	BM 730-A CLOSE O.K.

RESET

A	12.01	112.01		100.00	1521.16	BM 730-A
B			2.87	109.14	1530.30	BM 730-D

FOOTNOTES

- <sup>1</sup> HIGHWATER IS VERY CLOSE TO ELEVATION OF PRESENT HEADWATER
- <sup>2</sup> HEADWATER ELEV. (+) MEASURED DISTANCE OF 1.4'
- <sup>3</sup> HEADWATER ELEV. (+) MEASURED DISTANCE OF 1.7'

ADDITIONAL MEASUREMENTS

LENGTH OF CREST = 8.0'  
 BRIDGE DECK - LENGTH = 20'  
 WIDTH = 18.1'  
 EMBANKMENT LENGTHS - RIGHT (TO TELEPHONE POLE) = 64.9  
 LEFT (TO FOOT PATH) = 25.0 + 16.10 = 41.10  
 TOTAL LENGTH = 64.9 + 20 + 41.10 = 126.0  
 SLOPE LENGTH = 21' (FOR SLOPE CALC.)