PS Form 10-900 oct. 1990)	OMB No. 10024-0018
nited States Department of the Interior	
ational Park Service	
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	INTERAGENCY RESOURCES DIVISION
entering the information requested. If an item does chitectural classification, materials, and areas of sig	rminations for individual properties and districts. See instructions in <i>How to Complete the</i> (National Register Bulletin 16A). Complete each item by marking 'x' in the appropriate box or s not apply to the property being documented, enter N/A for "not applicable." For functions, inificance, enter only categories and subcategories from the instructions. Place additional PS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.
Name of Property	
storic name GREEN_RIVER_CRIE	В ДАМ
her names/site number <u>Stowe</u> , He	enry, Mill Dam
Location	
reet&number Green River Ro	oad (Town Highway # 5) NZAnot for publication
ty or townGuilford	
	N ZA vicinity
Normant 1	VT_ countyWindham code 025_ zip code 05301
ate <u>Vermont</u> code <u></u>	
State/Federal Agency Certification As the designated authority under the National	Historic Preservation Act, as amended, I hereby certify that this 🖾 nomination
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Number of Resources within Property (Do not include previously listed resources in the count.)
Contributing Noncontributing buildings
1
1 structures
objects
Total
Number of contributing resources previously listed in the National Register
0
Current Functions (Enter categories from instructions)
Industry - waterworks
Recreation - outdoor recreation
i
Materials (Enter categories from instructions)
foundation <u>stone</u>
walls
roof
other <u>log</u>
concrete

Narrative Description (Describe the historic and current condition of the property on one or more continuation sheets.)

8. Statement of Significance

Applicable National Register Criteria

(Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing.)

- □ A Property is associated with events that have made a significant contribution to the broad patterns of our history.
- **B** Property is associated with the lives of persons significant in our past.
- **C** Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- D Property has yielded, or is likely to yield, information important in prehistory or history.

Criteria Considerations

(Mark "x" in all the boxes that apply.)

Property is:

- □ A owned by a religious institution or used for religious purposes.
- **B** removed from its original location.
- \Box **C** a birthplace or grave.
- \Box **D** a cemetery.
- **E** a reconstructed building, object, or structure.
- **F** a commemorative property.
- □ G less than 50 years of age or achieved significance within the past 50 years.

Narrative Statement of Significance

(Explain the significance of the property on one or more continuation sheets.)

9. Major Bibliographical References

Bibilography (Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

Previous documentation on file (NPS):

- preliminary determination of individual listing (36 CFR 67) has been requested
- previously listed in the National Register
- previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey #__
- C recorded by Historic American Engineering Record # _____

Windham County, Vermont County and State

. .

Areas of Significance

<u>Engineering</u>

Period of Significance

<u>c.</u> 1811

1871

Significant Dates

c. 1811 1871

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A_____

Architect/Builder

Unknown

Primary location of additional data:

- State Historic Preservation Office
- □ Other State agency
- □ Federal agency
- □ Local government
- University
- Other

Name of repository:

(Enter categories from instructions)

<u>Green River Crib Dam</u> Name of Property	Vindham County, Vermont County and State		
10. Geographical Data			
Acreage of Property1			
UTM References (Place additional UTM references on a continuation sheet.)			
$1 \begin{array}{ c c c c c c c c c c c c c c c c c c c$	3 Zone Easting Northing 4 See continuation sheet		
Verbal Boundary Description (Describe the boundaries of the property on a continuation sheet.)			
Boundary Justification (Explain why the boundaries were selected on a continuation sheet.)			
11. Form Prepared By			
name/title Hugh H. Henry, Historic Preserv	vation Consultant		
organization <u>N/A</u>	date September 1994		
street & number <u>Green Mountain Turnpike</u>	telephone802-875-3379		
Additional Documentation Submit the following items with the completed form:			
Continuation Sheets			
Maps			
A USGS map (7.5 or 15 minute series) indicating the property's location.			
A Sketch map for historic districts and properties having	ng large acreage or numerous resources.		
Photographs			
Representative black and white photographs of the pa	roperty.		
Additional items (Check with the SHPO or FPO for any additional items)			
Property Owner (Complete this item at the request of SHPO or FPO.)			
	1		
name <u>Addison D. and Adelaide W. Minot</u>			
street & number250 Jacksonville Stage			
city or townBrattleboro			

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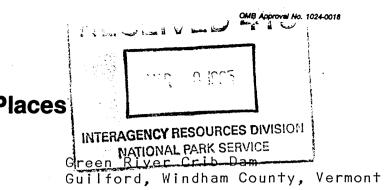
Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 *et seq.*).

Estimated Burden Statement: Public reporting burden for this form is estimated to average 18.1 hours per response including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Chief, Administrative Services Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127; and the Office of Management and Budget, Paperwork Reductions Projects (1024-0018), Washington, DC 20503.

NPS Form 10-900-a (8-85)

United States Department of the Interior National Park Service

National Register of Historic Places Continuation Sheet



Section number __7 Page __1

Situated in a narrow river valley flanked by abruptly sloping hills, the Green River Crib Dam impounds its namesake stream at The timber crib dam extends 110 the hamlet of the same name. feet between abutments and rises 10.5 feet in height, forming in plan a shallow arc that curves downstream. The structure incorporates cribwork built of hemlock logs, filled with rubblestone, and capped by a sloping deck with longitudinal hemlock planks laid on perpendicular composite plank rafters; oak ice runners protect the crest of the deck. Abutting the east end of the dam, a rectangular concrete gate structure contains the plank drawdown gate. The dam is being maintained in sound physical condition although it now serves only recreational purposes. Adjacent to the gate structure, the deteriorating rubblestone foundation of the Henry Stowe Mill (built 1871; burned 1918) marks the site of the last small industry to use the hydromechanical power from the dam.

The Green River Crib Dam creates a small former millpond in the Green River at the residential hamlet in the southwest quadrant of Guilford township. The dam lies immediately upstream of the covered bridge that carries the Jacksonville Stage Road across the river. Intersecting the Stage Road near the east end of the bridge, the perpendicular Green River Road leads northwestward past the dam along the northeast side of the river. Most of the extant buildings in the hamlet are situated along these two roads on the northeast side of the river.

This stretch of the Green River virtually lacks a floodplain. With minor exceptions, the banks rise more or less steeply from the edges of the water. Farther back from the river, the terrain slopes generally uphill on both sides of the narrow valley. The rounded eminence of Pulpit Mountain on the southwest side ascends to a height of about 1250 feet, some 550 feet above the dam's spillway elevation of about 700 feet.

The drainage area for the dam site covers about 23 square miles. The flow of the Green River varies considerably during the course of the year, usually reaching its peak during the spring snowmelt runoff and dwindling to a minimum by the following autumn. Flow data for a sample six-year period, 1967-73, were extrapolated from the measurements at a gaging station located about three miles downstream. The average low monthly flow during that period was 7 cubic feet per second (cfs) while the average high monthly flow was 159 cfs. The period concluded with

National Register of Historic Places Continuation Sheet

Section number 7 Page 2

Green River Crib Dam Guilford, Windham County, Vermont

an extraordinary flood in June 1973 when the flow peaked at 1,881 cfs, almost twelves times higher than the average high monthly flow.

The stillwater of the millpond reaches only about 300 feet upstream from the dam, forming an arc that curves northwestward. The breadth of the pond barely exceeds the 110-foot length of the dam, being constrained especially along the northeast side by the relatively steep bank. The dam, therefore, essentially lacks storage capacity, and functions simply as run-of-the-river.

A line of mature deciduous and coniferous trees follows the lower southwest bank of the millpond. Behind the line of trees, an open flat area extends about 40 feet in width to the base of a moderate slope. The slope leads uphill to a farmstead cluster of 19th-century buildings (excluded from this National Register nomination) along the Jacksonville Stage Road.

About 90 feet downstream (southeast) of the dam, the Green River Covered Bridge spans the river. (Excluded from this nomination, the Green River Covered Bridge was listed in the National Register on August 28, 1973.) The 104-foot, single-span, gableroofed bridge is supported by Town lattice timber trusses that are sheathed with vertical boards. The bridge rests on massive abutments constructed of rubblestone laid without mortar. The east abutment merges into a retaining wall that extends upstream toward the east end of the dam; part of this wall served as the foundation of a former mill.

Prior to the mid-20th century, additional buildings stood along the northeast bank of the river near the dam. The most prominent of these buildings, the Henry Stowe Mill, was connected directly to the gatehouse at the east end of the dam, and was powered hydromechanically by water from the millpond. Only its deteriorating rubblestone foundation now remains from a fire in 1918 that destroyed the mill building. Upstream from the dam and adjacent to the millpond, at least two houses were formerly sited on the bank rising from the pond level to the road. NPS Form 10-900-a (8-86)

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Green River Crib Dam Guilford, Windham County, Vermont

Crib Dam; c. 1811, rebuilt repeatedly

The dam represents the crib and deck type of structure. It extends 110 feet along the crest between the east and west abutments, and rises 10.5 feet above the low water level of the downstream pool. Its deck extends about 20 feet in width, sloping downward in the upstream direction at an angle of 21 degrees or a ratio of about 2.5:1. The face of the dam forms an arc in the downstream direction rather than following a straight line across the river; at the point about 50 feet from the westend, the arc reaches its maximum of about 7 feet downstream from the straight line connecting both ends.

The structural framework of the dam incorporates both native hemlock round logs and rough-sawn hemlock planks. The logs are of varying sizes while the sawn planks are generally 2 inches thick, 8 or 10 inches wide, and of various lengths. For some uses, three to five planks are spiked together to form composite timbers. The wood members are fastened together with steel drift pins or spikes to form the cribbing and deck. The voids within the cribbing are filled with uncoursed rubblestone of various sizes. The cribbing rests on a base of larger pieces of rubblestone.

The structural design of the dam differs somewhat between a roughly 45-foot west section and a 65-foot east section. The shorter west section is constructed mostly of log cribbing infilled with rubble; four tiers of longitudinal logs alternate with three tiers of perpendicular logs, and are surmounted by a longitudinal composite timber made of five planks to gain the necessary height. The east section contrasts by its lower half being built simply of rubble laid without mortar while the upper half consists of cribbing with three tiers of longitudinal logs and two tiers of perpendicular logs. The east section abuts bedrock below the concrete spillway while the west section abuts more rubble below an exposed concrete and rubble retaining wall.

Capping the cribbing, the sloping deck structure extends uniformly the length of the dam; this was entirely rebuilt in 1968 and partly again in 1979. Perpendicular deck rafters rest atop the cribwork; these are made of triple or quadruple 2-by-10inch planks spiked together and placed about 2 feet apart. At the face of the dam, oak wedges are inserted between the ends of the rafters and the top log to level the crest of the dam. The deck itself is built of two layers of planks laid on the rafters. NPS Form 10-900-e (8-85)

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Green River Crib Dam Guilford, Windham County, Vermont

Spiked to the deck at the dam crest, 5.5-by-10-inch oak ice runners taper downward a length of 6 feet from the thick butt end; these serve to protect the deck planks from damage by drifting ice.

Serving as the east abutment of the dam at the base of the steep bank, the concrete drawdown gate and spillway structure was constructed in 1939 to replace the original timber counterpart. This rectangular structure is 16 feet in north-south length, 6 feet in width, and about 6.5 feet in height. The structure remains open on top and the downstream (south) end, although vertical slots exist on the inside walls to accommodate planks for closure of the latter opening. The drawdown gate passes through the bottom of the west wall's upstream end; its opening of about 3 by 3 feet is controlled manually by two-inch planks stacked on edge. This gate is used to lower the water level of the pond below the dam crest.

The main gate passes through the dam itself about 15 feet from its east end and about 8 feet upstream from the crest. The rectangular opening of about 5 by 5 feet is controlled manually by two layers of two-inch planks laid flat and held in place by the pressure of the water. Sediment usually collects on the upper surface of the planks, and contributes to sealing the joints against leakage. The rectangular discharge opening of about 2.5 by 5 feet appears in the face of the dam at the downstream water level. This gate is used to drain the pond to the level of the river channel.

Abutting the west end of the dam, a concrete and rubblestone retaining wall was built in 1948 to replace a timber counterpart. The perpendicular wall extends about 45 feet in north-south length, and rises about 5 feet above the dam crest. This wall serves to prevent erosion of the earth bank next to the upstream slope of the dam.

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Green River Crib Dam Guilford, Windham:County, Vermont

Henry Stowe Mill Foundation; 1871

Only portions of a rubblestone foundation survive to mark the site of the water-powered grist and saw mill adjacent to the east end of the dam. The mill was constructed in 1871 and was destroyed by fire in 1918; Henry Stowe owned it until the year before the fire. The site was not subsequently occupied, and the exposed foundation has deteriorated markedly from erosion during the three-quarters of a century since the fire.

The foundation consists primarily of two generally parallel north-south walls on different levels, each exposed only on its river (west) side and backfilled with earth on the east side. Standing on the lower level at the edge of the river, the more prominent wall supported the west eaves facade of the mill. It is constructed of large pieces of roughly formed stone laid without mortar. Originally it extended from the east abutment of the adjacent covered bridge northward a length of about 115 feet to the east end of the dam. Two substantial portions of this wall have collapsed since the 1970s.

The most intact portion of the west foundation wall extends 25 feet northward from the covered bridge, rising about 13 feet above the level of the river. The next 25-foot portion has collapsed, owing at least partly to erosive water runoff from the road east of the covered bridge. The south half of this opening was backfilled in 1991 with rubble and gravel, causing additional disturbance to the site. The next 30-foot portion of the wall rises about 8 feet in height at its south end but tapers downward to the bedrock at river level on the north end as the result of collapse. The remaining 40-foot portion to the headgate at the east end of the dam has entirely collapsed into the river, exposing the irregular and steeply sloping strata of bedrock.

The east wall of this foundation remains more nearly upright. Built of smaller pieces of rubble without mortar, it stands on the ground level corresponding to the top of the west wall (the basement floor of the mill). At its south end, a diagonal 17-foot section served historically as an exposed retaining wall next to the basement entrance; it tapers upward from ground level to a height of about 5 feet next to the south end of the foundation wall proper. The latter extends 37 feet parallel to, and about 15 feet from, the west wall, rising to a height of about 6 feet; the northern third of this wall has partly collapsed. NPS Form 10-900-a (8-85)

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Green River Crib Dam Guilford, Windham County, Vermont

A concrete pier dating probably from the early 1900s supports the north end of this wall where it meets a perpendicular wall that extends 11 feet eastward, about 5 feet in height. A broken concrete slab extends from the base of the pier toward the west foundation wall. The concrete pier apparently marks the position of the interior corner between the east facade of the mill's south wing (underlain by the 37-foot wall) and the main block's south facade (the perpendicular 11-foot wall). At the east end of the 11-foot wall, another perpendicular wall extends northward only about 5 feet; the remainder has collapsed down the bank toward the river. This 5-foot wall may correspond to the original east facade of the main block before a two-story east wing was added (see the description below).

Photographs taken during the early 1900s record the historic, if not original, appearance of Henry Stowe's mill. Oriented in a north-south direction paralleling the river, the mill was constructed against the steeply sloping bank. Its north gable facade was aligned roughly with the face of the dam. On its east side, the building stood at the level of the millyard that occupied the northwest quadrant of the intersection of the town roads. The millyard was used for the storage of irregular piles of unsawn logs and smaller stacks of sawn lumber. A north-south driveway from the town road near the east portal of the covered bridge passed between the building and the log piles.

The gable-roofed mill consisted of a two-and-one-half-story main block and a two-story south wing. Both blocks gained a fully exposed basement story on their west facades owing to the downward slope of the ground. The main block was appended by a two-story, shed-roofed east wing on the millyard level and a small one-story, gable-roofed north wing at basement level; the latter served as gatehouse for the head gate at the east end of the dam.

The west side of the mill rested on a massive foundation built of rubblestone laid without mortar; this foundation rose the equivalent of a full story from the edge of the river to the approximate level of the dam crest. The east side of the south wing rested on a similar foundation wall mostly concealed inside its basement story. The mill presumably possessed a post-andbeam timber frame, and was sheathed with medium-width flush boards hung vertically. NPS Form 10-900-4

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Green River Crib Dam Guilford, Windham County, Vermont

The gable roofs were covered with wood shingles, and projected moderate overhangs along both the horizontal and raking eaves. The ridge of the main block rose somewhat higher than that of the south wing, and the latter ridge was offset westward. Similar interior brick chimneys with corbeled caps surmounted both the north end of the main block's ridge and the south end of the wing's ridge.

The partly exposed south gable facade of the main block (and the flush east wing) included what appears to have been the main entrance to the building, a wagon entrance lacking means of closure; the trabeated opening from the millyard abutted the south wing's east eaves facade. On the three-bay second story, the window openings were fitted with the six-over-six sash and plain surrounds common to the mill. A twelve-light fixed sash lighted the gable peak. On the east wing's east facade, an unsheltered exterior stair provided access to the second story.

The south wing extended three bays along its east and west eaves facades and two bays across its narrow south gable facade. On its east facade, a vertical-boarded, hinged door entered the left bay at the level of the millyard. The south facade gained a full basement story and it was entered by a vertical-boarded, exterior sliding door.

The main block and north and south wings were aligned in the same plane along the west (riverside) facade. The main block was fenestrated by three bays of six-over-six sash while the position of a fourth bay on the left side was blank. Between the first and second bays on the right half, a shallow vertical-boarded projection of unknown purpose ascended the two main stories to a shed roof at the main eaves. Directly below this projection, a large rectangular opening in the stone foundation appears to have been the original tailrace.

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Green River Crib Dam Guilford, Windham County, Vermont

The Green River Crib Dam holds significance for embodying the distinctive characteristics of a type, period, and method of construction, specifically a 19th-century timber crib dam. The original dam on this site was constructed probably in 1811, and the extant dam may contain some fabric from the original one. Repeatedly damaged by floods and ice flows, the dam has been repaired or largely rebuilt several times during the 19th and 20th centuries with appropriate materials, mostly logs and stone, used in the historic structural design. The Green River Crib Dam ranks as one of the best-preserved examples among the dwindling number of its type to survive in Vermont. Contextually the dam relates to the statewide historic context of Small Water-Powered Mill Production as it served until 1918 to supply hydromechanical power to small paper and saw- and grist mills adjacent to its site at the hamlet of Green River.

Hundreds of timber crib dams were built along Vermont rivers and smaller streams between the late 18th and early 20th centuries. At least seven are known to have existed at other sites along the Green River. These dams served primarily to provide hydromechanical power to the equally numerous small mills and factories that were developed wherever adequate water privileges existed. Such dams were relatively easy to construct by local builders using materials - unsawn logs, rough-sawn planks, and rubblestone - available either at the sites or nearby. The dams were also vulnerable to the flash flooding and drifting ice common to Vermont rivers, and they required periodic maintenance and major repairs if not outright replacement at considerable expense to their owners.

During the latter 19th century, as river flows became increasingly erratic, wood- or coal-fired steam power began to reduce the reliance on hydromechanical power for Vermont's small industries. Then the introduction of electric power and its extension into rural parts of the state in the early decades of the 20th century virtually eliminated the industrial need for hydromechanical power. At some small industrial dams, however, especially before regional electric transmission and distribution grids were developed, electric generating equipment was installed on site to supply the new form of power. In the case of the Green River dam, electricity did not become available before the site was abandoned for industrial enterprise.

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Section number <u>8</u> Page <u>9</u>

Green River Crib Dam Guilford, Windham County, Vermont

The origin of the dam on this site remains indefinite. Lots along both sides of the Green River were mapped as early as 1765, and were probably settled during the same decade. The 100-acre lot, No. 153, on the west side of the river was sold in 1786 and then subdivided in 1791. By the latter transaction, John Hammond, who resided on the east side of the river, acquired 35 acres. It is not known, however, whether he engaged in any enterprise that would have involved the building of a dam for water power.

A more prominent early resident of this vicinity - known as Cutting Hollow during the first half of the 19th century - Jonah Cutting came from Leicester, Massachusetts about 1790 to settle on the east side of the river. In 1805, he purchased an 82-acre portion of Lot No. 153. Six years later, in 1811, he and his son-in-law, William Gregory, constructed the first known mill on the west side of the river, a combined paper and linseed oil mill. To supply the water power, a dam would have been built at the same time if in fact one did not already exist.

Jonah Cutting owned his half-share of the mill only five years before selling it in 1816 to his son, Samuel. The latter would retain ownership for three decades until his death in 1845. Samuel made a significant improvement in 1835 by installing a patent cylinder paper-making machine. Thereafter the primary product of the mill was wallpaper.

Subsequent owners continued operating the mill for another quarter century after Samuel Cutting's death. The McClellan map of Windham County published in 1856 shows a paper mill on the site located in "Cutting Hollow." A Mrs. Cutting - presumably Samuel's widow - then lived on the east side of the river.

A decade later, the Beers atlas of 1869 records the decline of the Cutting influence (although another generation of Cuttings, S. C. and R. T., lived on the east side of the river). The hamlet is identified as Green River Village, and the paper mill was then owned by the partners Putnam and Stoddard. The Beers map shows a dam on the present site and the paper mill adjacent to its west end. The business directory printed on the map includes "A. W. Putnam - Manufacturer of Wall Paper." The Beers map does not show any industrial enterprise on the east bank of the river opposite the paper mill.

National Register of Historic Places Continuation Sheet

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Green River Crib Dam Guilford, Windham County, Vermont

The riverside enterprises and structures recorded in the Beers atlas were subjected in October of the same year (1869) to what may have been the greatest flood of the 19th century. The paper mill was damaged to the extent that it was apparently abandoned. The dam also must have been severely damaged, and the road bridge immediately downstream was destroyed.

The aftermath of the flood provided an opportunity for different industrial enterprise at the dam site. The owner of the village store, Henry Stowe, responded by erecting in 1871 a water-powered mill next to the east end of the dam and adjacent to the village. His primary activities were the basic sawing of lumber and grinding of grain. During the next four decades, he augmented such work by making various wood products including snow shovels, hay rakes, step ladders, lawn swings, and chairs along with turned stock.

The gazetteer and business directory of Windham County published in 1884 by Hamilton Child indicates that Stowe's mill was the largest and most productive in Guilford at that time. "The mill has one run of stones, cuts 5,000 feet of lumber per day, 2,000 butter boxes per month, and also a considerable amount of chairstock." Stowe is listed as the "proprietor of grist and sawmill."

Photographs taken around the turn of the century show the woodframed, vertical-boarded, gable-roofed mill standing on the steeply sloping bank, oriented parallel to the river. The building rose two and one-half stories above an exposed basement on the riverside that rested in turn on a massive fieldstone foundation whose height equaled that of the dam. The head gate structure at the east end of the dam was attached at the basement level to the mill's north gable facade. Logs for sawing were stockpiled in the mill yard on the east side of the building.

Henry Stowe continued to operate the mill until advancing age probably caused him to sell it in 1917. The new owner, W. Edward Benson from the adjoining town of Halifax, lasted barely one year before the building was destroyed by fire in 1918. The site was never redeveloped, and the property, including the dam, was sold by the Town of Guilford in 1935 to satisfy delinquent real estate taxes.

The next owner, William Knight, made repairs to stabilize the dam. The deteriorating wood head gate structure at the east end

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was replaced in 1939 by the extant concrete structure. Discharging directly into the river rather than the former head race, this structure contains the drawdown gate and spillway used to lower the pond level for maintenance purposes. Knight sold the property the following year.

In 1943, Otis and Celia Sibley acquired the dam and mill site along with the adjacent farmstead on the west side of the river. During the next three decades, the Sibleys performed a series of minor repairs and structural rehabilitation necessary to maintain the physical integrity of dam. Their first project, in 1948, was to replace a deteriorated wood retaining wall with a concrete and rubble counterpart abutting the west end of the dam.

By the 1960s, the dam needed more extensive repairs, and a thorough structural rehabilitation was carried out in 1968. This involved the replacement of the timber sill plates, deck rafters and leveling wedges, deck planking, and oak ice runners. The work was performed by a local contractor, Lyndon Squires.

The Sibley ownership concluded in 1975 when Addison D. and Adelaide W. (niece of Celia Sibley) Minott purchased the property. Four years later, in the spring of 1979, ice flows caused extensive damage to the westerly one-third of the dam's length. The repairs included the replacement of two longitudinal hemlock logs in the cribbing, sill plates, deck rafters and planking, and ice runners (the latter along the entire crest of the dam).

The ice damage in 1979 followed by only one year the routine inspection and maintenance that have been done at roughly fiveyear intervals during the Minott ownership. This work consists of draining the pond, excavating accumulated silt and sand from the pond bottom and dam deck, and making minor repairs to the latter. The most recent routine maintenance was done in 1990. The present (1994) condition of the dam will require more extensive structural repairs within the next few years.

More than three-quarters of a century have passed since the Green River dam provided water power for a riverside industry. Its primary function has shifted during that period to recreational activity, especially providing a swimming pond for local residents. Concurrently the dam has become a scenic resource for a larger region of central New England. Photographs of it appear frequently in periodicals and calendars, and it attracts

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considerable interest from tourists who manage to find its rather obscure location.

While the adjacent foundation of its last related mill slowly yields to erosion, the Green River Crib Dam survives to represent the small water-powered industries that flourished along the Green River in Guilford and throughout rural Vermont during the 19th century. Furthermore the dam is being maintained in sound physical condition through the use of appropriate materials and techniques, and thereby continues to exemplify its type and method of historic construction. The need and expense of constant maintenance and repairs coupled with high vulnerability to river conditions have reduced the number of such timber crib dams in Vermont to the point of extinction. Through the ongoing efforts of its current owners, the Green River dam has been preserved as an outstanding historic resource of statewide significance.

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Photographs of the Green River Crib Dam and Henry Stowe Mill, c. 1900-1990. Collection of Addison D. and Adelaide W. Minott, Guilford, Vt.

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BOUNDARY DESCRIPTION

The boundary of the property being nominated is shown as the shaded line on the accompanying Plot Plan entitled "Green River Crib Dam and Millpond," dated June 1994. The boundary encloses the dam site, the millpond extending about 300 feet upstream, and the tail water extending about 90 feet downstream to the highway right-of-way of the Green River Covered Bridge. The boundary also encloses the lot formerly occupied by the related Henry Stowe Mill on the east bank of the river adjacent to the dam. The boundary extends a total of 601 feet in several courses along the northeast side of the river, 105 feet across the river south (downstream) of the dam, 403 feet along the southwest side of the river, and 83 feet across the west (upstream) end of the millpond, encompassing an area of 1 acre. The deed to the property is recorded in Book 56, Page 20 of the Guilford Land Records.

BOUNDARY JUSTIFICATION

The boundary encompasses a stretch of the Green River that has been the site of a dam and millpond since at least c. 1811. The boundary also encompasses the site occupied between 1871 and 1918 by the Henry Stowe Mill, the last industrial enterprise to use the water power provided by the dam.

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The following information applies to all photographs except where noted: Green River Crib Dam Guilford, Vermont Date: May 1994 Credit: Hugh H. Henry Negative filed at Vermont Division for Historic Preservation Photograph 1 Crib dam and millpond on Green River; view looking north. Photograph 2 East end of dam and drawdown gate structure; view looking northwest. Photograph 3 East end of dam crest showing ice runners; view looking southwest. Photograph 4 East ends of dam and covered bridge flanking Henry Stowe Mill foundation; view looking northeast. Photograph 5 Henry Stowe Mill foundation - west-facing walls; view looking north. Photograph 6 Date: c. 1910 Credit: Guilford Historical Society East end of dam and Henry Stowe Mill - west facade; view looking northeast.

