

HISTORIC AMERICAN ENGINEERING RECORD

Index to Photographs

HAER
WASH
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Puget Sound Power and Light Company,
White River Hydroelectric Project
~~Buckley to Dieringer~~ 600 N. RIVER AVENUE
Pierce and King Counties
Washington

HAER No. WA-64

Headworks at Buckley

- WA-64-1 General view, looking northeast, of the headworks showing crib dam, Stoney gates, one-story concrete-constructed headgate house, wood-frame gable-roofed utility building, tramway crossing the river to service the dam, and the headgate operator's cottage on the hill above the headworks. Photo by Jet Lowe, HAER, 1989.
- WA-64-2 General view, looking northeast, of the headworks showing Stoney gates, one-story concrete-constructed headgate house, and the headgate operator's cottage on the hill above the headworks. Photo by Jet Lowe, HAER, 1989.
- WA-64-3 General view, looking west towards lined canal. Photo by Jet Lowe, HAER, 1989.
- WA-64-4 General view of mouth of headworks and walkway to headgate house, looking west. Tramway car, used for repairing dam, is to the right. Photo by Jet Lowe, HAER, 1989.
- WA-64-5 View of gate to fish ladder, walkway to headgate operator's cottage, and operator's cottage, looking east. Photo by Jet Lowe, HAER, 1989.
- WA-64-6 View of Stoney gates and headgate house, looking west towards lined canal. To the left on the hill is the relief operator's cottage. Photo by Jet Lowe, HAER, 1989.
- WA-64-7 View of Stoney gates, looking east. Photo by Jet Lowe, HAER, 1989.
- WA-64-8 View of Stoney gates and headgate house, looking north. Steel for frame supporting Stoney gates produced by Jones and Laughlin, Pittsburgh, Pennsylvania. Photo by Jet Lowe, HAER, 1989.

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- WA-64-9 Detail of Stoney gates, showing shaft that drives rack and pinion gears to raise and lower gates, looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-10 Detail of gear of Stoney gate, looking northwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-11 East and north facades of headgate house; to the right is the utility building. View looking southwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-12 Detail of clutch and backup gasoline engine for powering Stoney gates. Clutch mechanism manufactured by Baldrige Machine Company, Detroit, Michigan, ca. 1910. Instrument to the left records volume of flow through headworks. View looking south towards Stoney gates. Photo by Jet Lowe, HAER, 1989.
- WA-64-13 Utility building (east and north facades) looking southeast. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-14 West facade of utility building, looking east. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-15 General view of fish trap, looking east. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-16 View, looking west, of fish ladder and steel frame supporting fish trap, both constructed by U.S. Army Corps of Engineers, 1949. One-story wood-frame building with hip roof is a utility shed used for fish-trap operation. Photo by Jet Lowe, HAER, 1989.
- WA-64-17 General view of dam and headworks, looking northeast. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-18 View, looking south, of low crib dam and headworks from north side of White River. Photo by Jet Lowe, HAER, 1989.

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- WA-64-19 View of low crib dam, headworks, and tramway above dam, looking southeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-20 Detail of low crib dam and apron, looking north. Building across river is part of Muckleshoot Indian fish hatchery, constructed in 1989. Photo by Jet Lowe, HAER, 1989.
- WA-64-21 Detail of dam and flashboards, looking north. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-22 View of tramway and car used for servicing dam, looking north. Photo by Jet Lowe, HAER, 1989.
- WA-64-23 Detail of tramway car. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-24 View, looking east, of tower supporting tramway; to the right on the hill is the motor house for operating the tramway. Photo by Jet Lowe, HAER, 1989.
- WA-64-25 View of storage shed and motor house for tramway, looking southwest. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-26 View, looking east, of motor house; the electric motor and electric-powered winch are housed in section of building to the left. The U-bolt and concrete deadman which anchors the cable of the tramway is to the right. Photo by Jet Lowe, HAER, 1989.
- WA-64-27 View, looking north, of motor house; the electric motor and electric-powered winch are housed in section of building to the left. Photo by Jet Lowe, HAER, 1989.
- WA-64-28 View, looking northeast (towards headworks), of electric-powered winch, manufactured ca. 1910 by Lidgerwood Mfg. Company of New York. At far end of winch is a ca. 1950s Westinghouse type CS induction motor, 7.5 horsepower, 220 volts, 60 cycle, 3 phase, 720 rpm at full load. Photo by Jet Lowe, HAER, 1989.
- WA-64-29 View of oil storage shed, looking northeast. Photo by Brian C. Morris, Puget Power, 1989.

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- WA-64-30 View from pier of Stoney gates, looking west, of concrete-lined canal, completed in 1989. Photo by Jet Lowe, HAER, 1989.
- WA-64-31 General view, looking west, of concrete-lined canal. To the right is the warehouse and lunchroom building and the lumber storage shed. Photo by Jet Lowe, HAER, 1989.
- WA-64-32 West and south facades of warehouse and lunchroom building, looking northeast. Photo by Brian C. Morris, Puget Power, 1989.
- Flowline
- WA-64-33 General view of flume from vehicular bridge crossing the flume, just west of lumber storage shed, looking west. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-34 General view of flume, just west of lumber storage shed, looking west from south side of the flume. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-35 Photo of concrete arch culvert constructed by Puget Sound Construction Company, 1911, for the Northern Pacific Railroad, over flume. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-36 View of Wolslegal Basin from State Route 410 bridge, looking west. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-37 View of Wolslegal Basin where it is crossed by State Route 410 bridge, looking east. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-38 View of 6' valve for draining Wolslegal Basin, looking south from north side of the basin. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-39 Sluice for 6' valve on north side of Wolslegal Basin, looking north. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-40 View west of Wickersham Basin in vicinity of McHugh Basin, looking west. Photo by Brian C. Morris, Puget Power, 1989.

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- WA-64-41 West end of McHugh Basin, looking west toward Dingle Basin. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-42 View near entrance to Dingle Basin, looking southwest. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-43 View of log boom (upstream) protecting fish screens at Dingle Basin, looking southwest from north side of basin. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-44 View of log boom (downstream) protecting fish screens at Dingle Basin, looking northeast from south side of basin. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-45 View of upstream face of fish screens at Dingle Basin, looking northwest from south side of basin. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-46 View of downstream face of fish screens at Dingle Basin, looking southeast from north side of basin. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-47 View of beginning of unlined canal from Mundy-Loss bridge downstream from fish screens, looking west. Photo by Robin Lee Tedder, Puget Power, 1989.
- WA-64-48 View of unlined canal downstream from Mundy-Loss bridge, from north side of canal looking southwest. Photo by Robin Lee Tedder, Puget Power, 1989.
- WA-64-49 View of unlined canal near in-line stream gaging station, looking west. Photo by Robin Lee Tedder, Puget Power, 1989.
- WA-64-50 Stream gaging station in steel-pipe well and shelter, looking west. Photo by Robin Lee Tedder, Puget Power, 1989.
- WA-64-51 View of sit-down cable car and cable way for stream gaging, looking west. Photo by Robin Lee Tedder, Puget Power, 1989.
- WA-64-52 View of sit-down cable car, cable way, and stream gaging station, looking southeast. Photo by Robin Lee Tedder, Puget Power, 1989.

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- WA-64-53 View of unlined canal about 1,500' west of stream-gaging station, looking west. Photo by Robin Lee Tedder, Puget Power, 1989.
- WA-64-54 View of junction of unlined canal and lined canal, looking southwest. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-55 View of junction of unlined canal and lined canal, looking southwest. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-56 View of lined canal looking east toward unlined canal, from road bridge crossing lined canal. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-57 View of road bridge crossing lined canal from south side of lined canal, looking northeast. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-58 View of lined canal looking west from road bridge crossing lined canal. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-59 View of lined canal east of bellmouth near hop barn, looking southwest. Photo by Robin Lee Tedder, Puget Power, 1989.
- WA-64-60 View of lined canal and hop barn, looking southwest. Photo by Robin Lee Tedder, Puget Power, 1989.
- WA-64-61 View of bellmouth which empties into Printz Basin, looking west. Photo by Robin Lee Tedder, Puget Power, 1989.
- WA-64-62 Detail of bellmouth looking southeast. Photo by Robin Lee Tedder, Puget Power, 1989.
- WA-64-63 View from north side of Printz Basin from top of dike, looking south. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-64 View from northwest corner of Printz Basin, showing dike along south side of basin, looking southeast. Photo by Brian C. Morris, Puget Power, 1989.
- WA-64-65 View from southwest corner of Printz Basin, looking north. Photo by Brian C. Morris, Puget Power, 1989.

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WA-64-66 View from vehicular bridge southwest corner of Printz Basin, looking north. Photo by Brian C. Morris, Puget Power, 1989.

Lake Tapps

WA-64-67 View of old, abandoned vehicular bridge near entrance to Lake Tapps. Photo by Brian C. Morris, Puget Power, 1989.

WA-64-68 View of north arm of Lake Tapps, looking east toward power line that crosses Hille Lake; the shore is composed of a dike built by the Pacific Coast Power Company as part of the Lake Tapps reservoir construction. Photo by Brian C. Morris, Puget Power, 1989.

WA-64-69 View of north arm of Lake Tapps, looking south. Photo by Brian C. Morris, Puget Power, 1989.

WA-64-70 View of top of dike along north arm of Lake Tapps. Photo by Brian C. Morris, Puget Power, 1989.

Tunnel Intake

WA-64-71 View of channel leading to the tunnel intake building which is visible in the distance; looking west. Photo by Jet Lowe, HAER, 1989.

WA-64-72 View of tunnel intake building, looking southwest. The winches for the trash racks, sheltered by a wood-frame structure with a gable roof, are to the left. Photo by Jet Lowe, HAER, 1989.

WA-64-73 View of tunnel intake building, looking northeast. Photo by Jet Lowe, HAER, 1989.

WA-64-74 View, looking north, of winches which drive the trash racks. Photo by Jet Lowe, HAER, 1989.

WA-64-75 Interior of tunnel intake building, looking northeast. Detail of electric motor and gears which raise and lower the valve covering the entrance to the tunnel. Photo by Jet Lowe, HAER, 1989.

WA-64-76 Interior of tunnel intake building, looking east. Detail of a ca. 1911 General Electric induction motor, 25 horsepower, 60 cycles, 220 volts, 70 amps. Photo by Jet Lowe, HAER, 1989.

Circular Forebay

- WA-64-77 East facade of circular forebay showing overflow well. Photo by Jet Lowe, HAER, 1989.
- WA-64-78 Interior of circular forebay showing valves for operating sluice gates, looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-79 Interior detail of circular forebay showing valve for sluice gate No. 2, looking north. Photo by Jet Lowe, HAER, 1989.

Valve Houses

- WA-64-80 General view of standpipes and 4-1 and 4-2 valve houses, looking northwest towards Dieringer. Photo by Jet Lowe, HAER, 1989.
- WA-64-81 View of 4-1 valve house (right) and 4-2 valve house (left); in the foreground is penstock which extends from Penstock No. 1 to the 4-1 valve house; looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-82 Interior of 4-1 valve house; the motor (in the center) powering the valve mechanism is a two horsepower, 60 cycle, 10.4 amp, 220 volt induction motor manufactured in 1910 by the Allis Chambers Company of Milwaukee, Wisconsin. Photo by Jet Lowe, HAER, 1989.
- WA-64-83 Interior of 4-2 valve house; the motor and valve mechanism is identical to that in the 4-1 valve house. Photo by Jet Lowe, HAER, 1989.
- WA-64-84 General view of standpipes from roof of circular forebay; the channel in the center is part of the tailrace from the powerhouse; looking west. Photo by Jet Lowe, HAER, 1989.

Powerhouse

- WA-64-85 General view of powerhouse from tailrace; this photograph was taken while operations at the powerhouse were temporarily halted; looking east. Photo by Jet Lowe, HAER, 1989.
- WA-64-86 View of powerhouse and tailrace; this photograph was taken while powerhouse was operating; looking northeast. Photo by Jet Lowe, HAER, 1989.

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- WA-64-87 Detail of powerhouse and tailrace; looking northeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-88 North and west facades of powerhouse; looking southeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-89 View of west and south facades of powerhouse, and abandoned lightning arrester houses on hillside above powerhouse; looking north. Photo by Jet Lowe, HAER, 1989.
- WA-64-90 View of east facade of powerhouse, and abandoned lightning arrester houses on hillside above powerhouse; looking west. Photo by Jet Lowe, HAER, 1989.
- WA-64-91 View of east facade of powerhouse; the steel tanks adjacent to the powerhouse are surge tanks; looking west. Photo by Jet Lowe, HAER, 1989.
- WA-64-92 View of east facade of powerhouse, showing rear door of the building; the steel tanks adjacent to the powerhouse are surge tanks, each penstock has two surge tanks; looking west. Photo by Jet Lowe, HAER, 1989.
- WA-64-93 South and east facade of powerhouse; looking northwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-94 Detail of surge tanks, looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-95 Detail of surge tanks for Penstock No. 1, looking west. Photo by Jet Lowe, HAER, 1989.
- WA-64-96 Detail of surge tank and valve for Penstock No. 2 (which is to the left), looking west. Photo by Jet Lowe, HAER, 1989.
- WA-64-97 Detail of surge tank and valves for Exciter penstocks (which enter powerhouse below the air conditioning unit in center), looking north. Photo by Jet Lowe, HAER, 1989.
- WA-64-98 View of transformers on roof; looking southeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-99 View of monitors and roof of powerhouse looking south. Photo by Jet Lowe, HAER, 1989.

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- WA-64-100 View of generator room in powerhouse; turbine unit no. 2 is to the right, looking southeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-101 View of generator room in powerhouse; turbine-generator unit no. 2 is to the right, looking southeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-102 View of generator room in powerhouse, from top of generator unit no. 2, looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-103 View of generator room in powerhouse, from top of generator unit no. 1; the no-longer-used transformer bays are to the left; looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-104 View of generator room in powerhouse; in the foreground is turbine unit no. 1; looking southeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-105 View of turbine unit no. 1; looking north. Photo by Jet Lowe, HAER, 1989.
- WA-64-106 View of generator room in powerhouse; turbine unit no. 4 is in foreground; looking northwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-107 View of generator room in powerhouse; turbine unit no. 4 is in foreground; looking north. Photo by Jet Lowe, HAER, 1989.
- WA-64-108 Detail of turbine unit no. 2, manufactured in 1910 by the Allis Chalmers Company of Milwaukee, Wisconsin; looking southwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-109 Detail of turbine unit no. 2, looking west. Photo by Jet Lowe, HAER, 1989.
- WA-64-110 Detail of turbine unit no. 2, looking northeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-111 Detail of butterfly valve for turbine unit no. 2. Photo by Jet Lowe, HAER, 1989.
- WA-64-112 Detail of butterfly valve for turbine unit no. 2. Beyond is a General Electric AC generator directly connected to turbine unit no. 2. Photo by Jet Lowe, HAER, 1989.

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- WA-64-113 Detail of turbine valve unit no. 2, looking southwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-114 Detail of turbine valve unit no. 2, looking southwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-115 View of turbine unit no. 2 and its governor, looking northwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-116 Detail of governor of turbine unit no. 2, looking northwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-117 Detail of turbine unit no. 2, looking north. Photo by Jet Lowe, HAER, 1989.
- WA-64-118 Detail of turbine unit no. 2, looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-119 Relief and safety valve of turbine unit no. 1, located in the subway below the Generator Room; looking south. The safety valve was manufactured by the Chapman Valve Company of Springfield, Massachusetts. It is identical to the adjacent safety valve for turbine unit no. 2. Photo by Jet Lowe, HAER, 1989.
- WA-64-120 Identical view of relief and safety valve of turbine unit no. 1 with HAER measuring rod included for scale. Photo by Jet Lowe, HAER, 1989.
- WA-64-121 View of water filters, water from which is used to cool bearings of turbine-generator units in Generator Room above; looking north. This water filter is for turbine-generator unit no. 1, and is located in the subway. Photo by Jet Lowe, HAER, 1989.
- WA-64-122 View in subway showing air filters for unit turbine-generator unit no. 3; looking north. To the left is opening through wall which brings fresh air into the filters; this opening is above the tailrace. Photo by Jet Lowe, HAER, 1989.
- WA-64-123 View in subway of relief and safety valves for turbine unit no. 3; looking northeast. To right is entrance to Basement Room B-4. Photo by Jet Lowe, HAER, 1989.

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- WA-64-124 View in Generator Room of exciter unit no. 2; looking east. This unit includes a Pelton wheel manufactured by Allis Chalmers, no. 262, type C-1, Breaking Horse Power 600, head 370 feet, and 360 rpm; and a General Electric DC generator, no. 1357610, type MPC 8, 340-350 form LD, 1360 amp, 350 rpm, 250 volts (no load), 250 volts (full load). Photo by Jet Lowe, HAER, 1989.
- WA-64-125 View in Generator Room of exciter unit no. 2; looking southwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-126 View in Generator Room of exciter unit no. 1; looking northwest. This unit includes a Pelton wheel manufactured by Allis Chalmers, no. 261, type C-1, Breaking Horse Power 600, head 370 feet, and 360 rpm; a General Electric DC generator, no. 1357609, type MPC 8, 340-350 form LD, 1360 amp, 350 rpm, 250 volts (no load), 250 volts (full load); and a General Electric induction motor, no. 4228863, type KT-4424, 20-500-360 form A, 60 cycles, 45 amp, 6,600 volts, 500 horsepower, continuous 50-degree centigrade rise, 350 rpm with full-load. Photo by Jet Lowe, HAER, 1989.
- WA-64-127 View in Generator Room of exciter unit no. 1; looking northeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-128 Detail of DC generator of unit no. 1; looking southwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-129 Detail of governor of exciter unit no. 1; looking northeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-130 View, looking northeast, into transformer bay no. 2 showing three ca. 1920s General Electric transformers; each is rated at 55,000 - 6,600 volts, 9,000 kva, and each is oil cooled. These transformers were no longer in operation and in the process of being removed. Photo by Jet Lowe, HAER, 1989.
- WA-64-131 View, looking northeast, into transformer bay no. 1 showing ca. 1950s General Electric transformer; this transformer was brought to White River from the Snoqualmie Falls plant. It has been abandoned and is being removed. When operational it stepped down 55,000 volts to 6,600 volts. Photo by Jet Lowe, HAER, 1989.

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- WA-64-132 Interior of Room B-2 (below floor of generator room) showing solid state exciters; there are four exciter units -- one per generator -- each manufactured by Basler Electric Company of Highland, Illinois, and dating from the 1960s. The oil tank to the left was installed about 1979. Photo by Jet Lowe, HAER, 1989.
- WA-64-133 View of former oil switch breaker room (on second floor, north of the control room), looking south. The oil switch breakers were replaced with vacuum switches, along the wall to the right. Photo by Jet Lowe, HAER, 1989.
- WA-64-134 View of former high tension (55,000 volt) bus room on the third floor, looking north. This room now contains shelves and boxes for storing company records (to the left along the wall). Insulators through which the live line ran remains in place. Photo by Jet Lowe, HAER, 1989.
- WA-64-135 View of another part of former high tension (55,000 volt) bus room on the third floor, looking northeast. Insulators through which the live line ran remain in place. Photo by Jet Lowe, HAER, 1989.
- WA-64-136 View of former high tension (55,000 volt) bus room on the third floor, looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-137 View of another section of the former high tension (55,000 volt) bus room on the third floor, looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-138 View of former transformer room (second floor) of addition built in 1924 to the north part of the powerhouse. The wall to the left is the original exterior wall of the powerhouse when it was completed in 1911. This view is looking west. Photo by Jet Lowe, HAER, 1989.
- WA-64-139 General view of control room, looking northeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-140 Detail of north control panel in control room, looking north. This panel monitors a variety of activities: gages indicate the level of Lake Tapps and level of the circular forebay; wattmeters indicate output of exciters. Photo by Jet Lowe, HAER, 1989.

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- WA-64-141 Detail of east control panel in control room, looking east. This panel contains electrical switches that were used to control valves at circular forebay. It also contains voltage regulators, synchroscope adjust field breaker, ammeters, wattmeters, temperature indicator of generator windings, and butterfly valve and governor controls. Photo by Jet Lowe, HAER, 1989.
- WA-64-142 Detail of rear of north control panel, looking southwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-143 Detail of rear of east control panel, looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-144 General view of control room, looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-145 General view of battery room, looking southwest. The battery room is adjacent to the control room. Photo by Jet Lowe, HAER, 1989.
- WA-64-146 View of oil filter room in basement (Room B-1) where oil used in lubrication in generator room is cleaned and recycled. The two tanks in the foreground each have capacities of 2,100 gallons. Photo by Jet Lowe, HAER, 1989.
- WA-64-147 Detail of oil filter press in Room B-1. It was manufactured by T. Shriver & Company of Harrison, New Jersey, and dates from 1911. Photo by Jet Lowe, HAER, 1989.
- WA-64-148 Detail of standby DC generator in room adjacent to control room, looking east. Photo by Jet Lowe, HAER, 1989.
- WA-64-149 Interior of Room B-3, Air Compressor Room, showing a ca. 1960s Worthington air compressor used to provide compressed air for powerhouse; air compressor powered by an electric motor; stairway (far left) leads to the generator room. Looking south. Photo by Jet Lowe, HAER, 1989.
- WA-64-150 Interior of Room B-3 from north wall, looking south to Worthington air compressor. Photo by Jet Lowe, HAER, 1989.
- WA-64-151 Interior of north addition to powerhouse, currently used as a machine shop, looking east. Photo by Jet Lowe, HAER, 1989.

Lightning Arresters and Transformer Yard

- WA-64-152 View of lightning arrester houses on the hillside above powerhouse. To the right is surge tank for penstock no. 1. Looking southeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-153 View of lightning arrester houses on the hillside above powerhouse (similar view as WA-64-152). Looking southeast. Photo by Jet Lowe, HAER, 1989.
- WA-64-154 Detail of lightning arrester on hillside above powerhouse; looking north. Photo by Jet Lowe, HAER, 1989.
- WA-64-155 Detail of lightning arrester on hillside above powerhouse; looking north. Photo by Jet Lowe, HAER, 1989.
- WA-64-156 Detail of lightning arrester on hillside above powerhouse; looking west. Photo by Jet Lowe, HAER, 1989.
- WA-64-157 Detail of lightning arresters; looking west. Photo by Jet Lowe, HAER, 1989.
- WA-64-158 General view of transformer yard above White River powerhouse, looking northwest. Photo by Jet Lowe, HAER, 1989.
- WA-64-159 View of transformer yard above White River powerhouse, looking north. Photo by Jet Lowe, HAER, 1989.
- WA-64-160 View of transformer yard above White River powerhouse, looking north. Photo by Jet Lowe, HAER, 1989.

Powerhouse Repair Shop

- WA-64-161 View of repair shop south of the powerhouse, looking north. Photo by Jet Lowe, HAER, 1989.
- WA-64-162 View of repair shop south of the powerhouse, looking south. Photo by Jet Lowe, HAER, 1989.

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ADDENDUM TO:

HAER WA-64

PUGET SOUND POWER & LIGHT COMPANY, WHITE RIVER
HYDROELECTRIC PROJECT

600 North River Avenue

Dieringer

Pierce County

Washington

HAER No. WA-64-1 through WA-64-162 were previously transmitted to the Library of Congress. The color prints were made from scans of the color transparencies.

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Jet Lowe, photographer, 1989

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| WA-64-164 (CT) | View of powerhouse and tailrace, looking northeast. |
| WA-64-165 (CT) | View of lightning arrester houses on the hillside above the powerhouse, looking southeast. |