

LIHI CERTIFICATION HANDBOOK

-- PART VII -- CERTIFICATION QUESTIONNAIRE

** PLEASE SUBMIT THIS QUESTIONNAIRE IN WORD FORMAT **

Background Information	
1) Name of the Facility as used in the FERC license/exemption.	Farmers Irrigation District Plant 2 and Plant 3
2) Applicant's name, contact information and relationship to the Facility. If the Applicant is not the Facility owner/operator, also provide the name and contact information for the Facility owner and operator.	Jer Camarata, District Manager 1985 Country Club Rd, Hood River, OR 97031 jer@fidhr.org 541-806-3922
3) Location of Facility including (a) the state in which Facility is located; (b) the river on which Facility is located; (c) the river-mile location of the Facility dam; (d) the river's drainage area in square miles at the Facility intake; (e) the location of other dams on the same river upstream and downstream of the Facility; and (f) the exact latitude and longitude of the Facility dam.	a) Oregon b) Hood River c) No Dams Involved d) ~ 36 miles e) No Dams f) No Dams
4) Installed capacity.	4.8 MW
5) Average annual generation.	~ 22,000 MWh
6) Regulatory status.	FERC Conduit Exemption P2 FERC Exemption 7532-OR and P3 FERC Exemption 6801-OR
7) Reservoir volume and surface area measured at the normal maximum operating level.	No Dams or Reservoirs

8) Area occupied by non-reservoir facilities (e.g., dam, penstocks, powerhouse).	Approximately 10 acres including penstocks, forebays, powerhouses, substation, and associated land
9) Number of acres inundated by the Facility.	Approximately 0.3 total acres inundated by the forebays
10) Number of acres contained in a 200-foot zone extending around entire reservoir.	No Dams or Reservoirs are associated with this project
11) Contacts for Resource Agencies and non-governmental organizations	See attached list
12) Description of the Facility, its mode of operation (i.e., peaking/run of river) and photographs, maps and diagrams.	No Material Changes
Questions for “New” Facilities Only: If the Facility you are applying for is “new” (i.e., an existing dam that added or increased power generation capacity after August of 1998) please answer the following questions to determine eligibility for the program	NA
13) When was the dam associated with the Facility completed?	NA
14) When did the added or increased generation first generate electricity? If the added or increased generation is not yet operational, please answer question 18 as well.	NA
15) Did the added or increased power generation capacity require or include any new dam or other diversion structure?	NA
16) Did the added or increased capacity include or require a change in water flow through the facility that worsened conditions for fish, wildlife, or water quality (for example, did operations change from run-of-river to peaking)?	NA

<p>17 (a) Was the existing dam recommended for removal or decommissioning by resource agencies, or recommended for removal or decommissioning by a broad representation of interested persons and organizations in the local and/or regional community prior to the added or increased capacity?</p> <p>(b) If you answered “yes” to question 17(a), the Facility is not eligible for certification, unless you can show that the added or increased capacity resulted in specific measures to improve fish, wildlife, or water quality protection at the existing dam. If such measures were a result, please explain.</p>	<p>NA</p> <p>NA</p>
<p>18 (a) If the added or increased generation is not yet operational, has the increased or added generation received regulatory authorization (e.g., approval by the Federal Energy Regulatory Commission)? If not, the facility is not eligible for consideration; and</p> <p>(b) Are there any pending appeals or litigation regarding that authorization? If so, the facility is not eligible for consideration.</p>	<p>NA</p> <p>NA</p>
<p>A. <i>Flows</i></p>	<p>PASS</p> <p>FAIL</p>
<p>1) Is the Facility in <i>Compliance</i> with <i>Resource Agency Recommendations</i> issued after December 31, 1986 regarding flow conditions for fish and wildlife protection, mitigation and enhancement (including in-stream flows, ramping and peaking rate conditions, and seasonal and episodic instream flow variations) for both the reach below the tailrace and all bypassed reaches?</p>	<p>YES = Pass, Go to B N/A = Go to A2</p> <p>NO = Fail</p>
<p>2) If there is no flow condition recommended by any Resource Agency for the Facility, or if the recommendation was issued prior to January 1, 1987, is the Facility in Compliance with a flow release schedule, both below the tailrace and in all bypassed reaches, that at a minimum meets Aquatic Base Flow standards or “good”_habitat flow standards calculated using the Montana-Tennant method?</p>	<p>YES = Pass, go to B NO = Go to A3 NA</p>

<p>3) <i>If the Facility is unable to meet the flow standards in A.2., has the Applicant demonstrated, and obtained a letter from the relevant Resource Agency confirming that demonstration, that the flow conditions at the Facility are appropriately protective of fish, wildlife, and water quality?</i></p>	<p>YES = Pass, go to B</p>	<p>NO = Fail</p>
<p>B. Water Quality</p>	<p>PASS</p>	<p>FAIL</p>
<p>1) Is the Facility either:</p> <p>a) In Compliance with all conditions issued pursuant to a Clean Water Act Section 401 water quality certification issued for the Facility after December 31, 1986? Or</p> <p>b) In Compliance with the quantitative water quality standards established by the state that support designated uses pursuant to the federal Clean Water Act in the Facility area and in the downstream reach?</p>	<p>YES = Go to B2</p>	<p>NO = Fail</p>
<p>2) Is the Facility area or the downstream reach currently identified by the state as not meeting water quality standards (including narrative and numeric criteria and designated uses) pursuant to Section 303(d) of the Clean Water Act?</p>	<p>YES = Go to B3 NO = Pass</p>	
<p>3) If the answer to question B.2 is yes, has there been a determination that the Facility does not cause, or contribute to, the violation?</p>	<p>YES = Pass</p>	<p>NO = Fail</p>
<p>C. Fish Passage and Protection</p>	<p>PASS</p>	<p>FAIL</p>
<p>1) Is the Facility in Compliance with <i>Mandatory Fish Passage Prescriptions</i> for upstream and downstream passage of anadromous and catadromous fish issued by Resource Agencies after December 31, 1986?</p>	<p>YES = Go to C5 Original letters stand and are valid</p>	<p>NO = Fail</p>

<p>2) Are there historic records of anadromous and/or catadromous fish movement through the Facility area, but anadromous and/or catadromous fish do not presently move through the Facility area (<i>e.g.</i>, because passage is blocked at a downstream dam or the fish no longer have a migratory run)?</p> <p>a) If the fish are extinct or extirpated from the Facility area or downstream reach, has the Applicant demonstrated that the extinction or extirpation was not due in whole or part to the Facility?</p> <p>b) If a Resource Agency Recommended adoption of upstream and/or downstream fish passage measures at a specific future date, or when a triggering event occurs (such as completion of passage through a downstream obstruction or the completion of a specified process), has the Facility owner/operator made a legally enforceable commitment to provide such passage?</p>	<p>YES = Go to C2a NO = Go to C3</p> <p>YES = Go to C2b N/A = Go to C2b</p> <p>YES = Go to C5 N/A = Go to C3</p>	<p>NO = Fail</p> <p>NO = Fail</p>
<p>3) If, since December 31, 1986:</p> <p>a) Resource Agencies have had the opportunity to issue, and considered issuing, a Mandatory Fish Passage Prescription for upstream and/or downstream passage of anadromous or catadromous fish (including delayed installation as described in C2a above), and</p> <p>b) The Resource Agencies declined to issue a Mandatory Fish Passage Prescription,</p> <p>c) Was a reason for the Resource Agencies' declining to issue a Mandatory Fish Passage Prescription one of the following: (1) the technological infeasibility of passage, (2) the absence of habitat upstream of the Facility due at least in part to inundation by the Facility impoundment, or (3) the anadromous or catadromous fish are no longer</p>	<p>NO = Go to C5 N/A = Go to C4</p> <p>N/A</p> <p>N/A</p>	<p>YES = Fail</p>

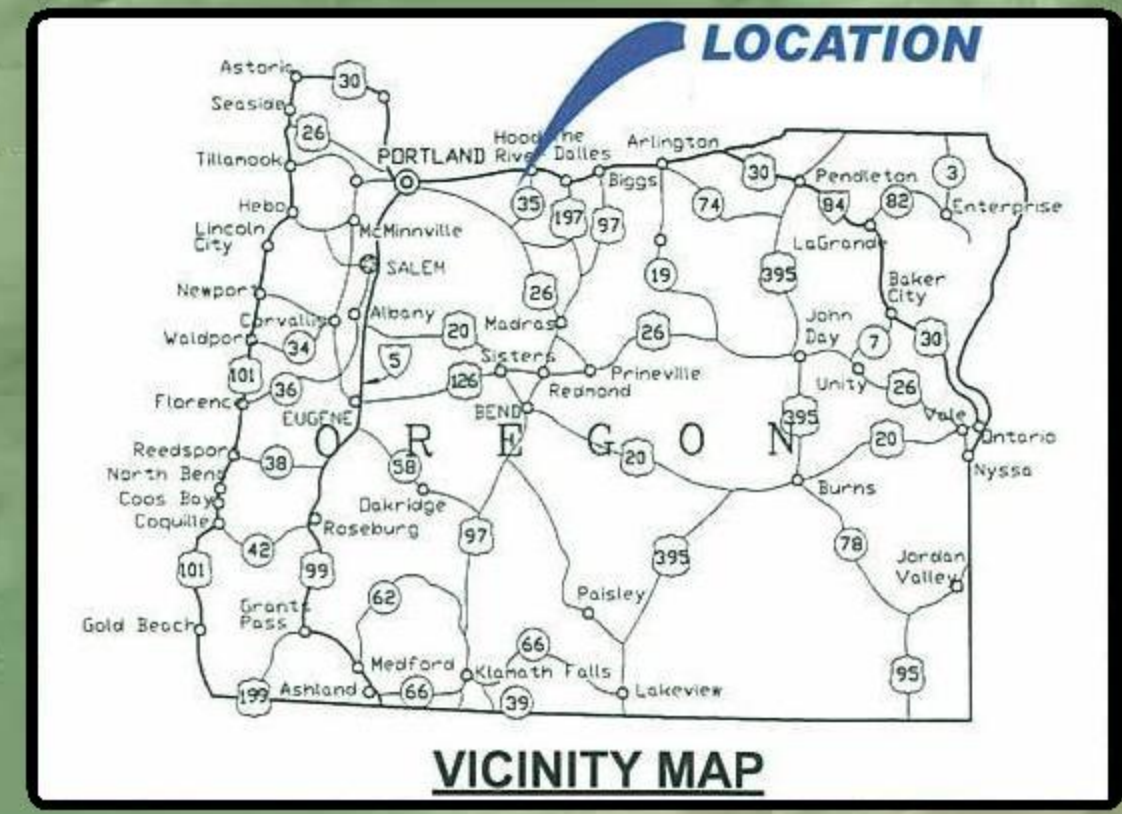
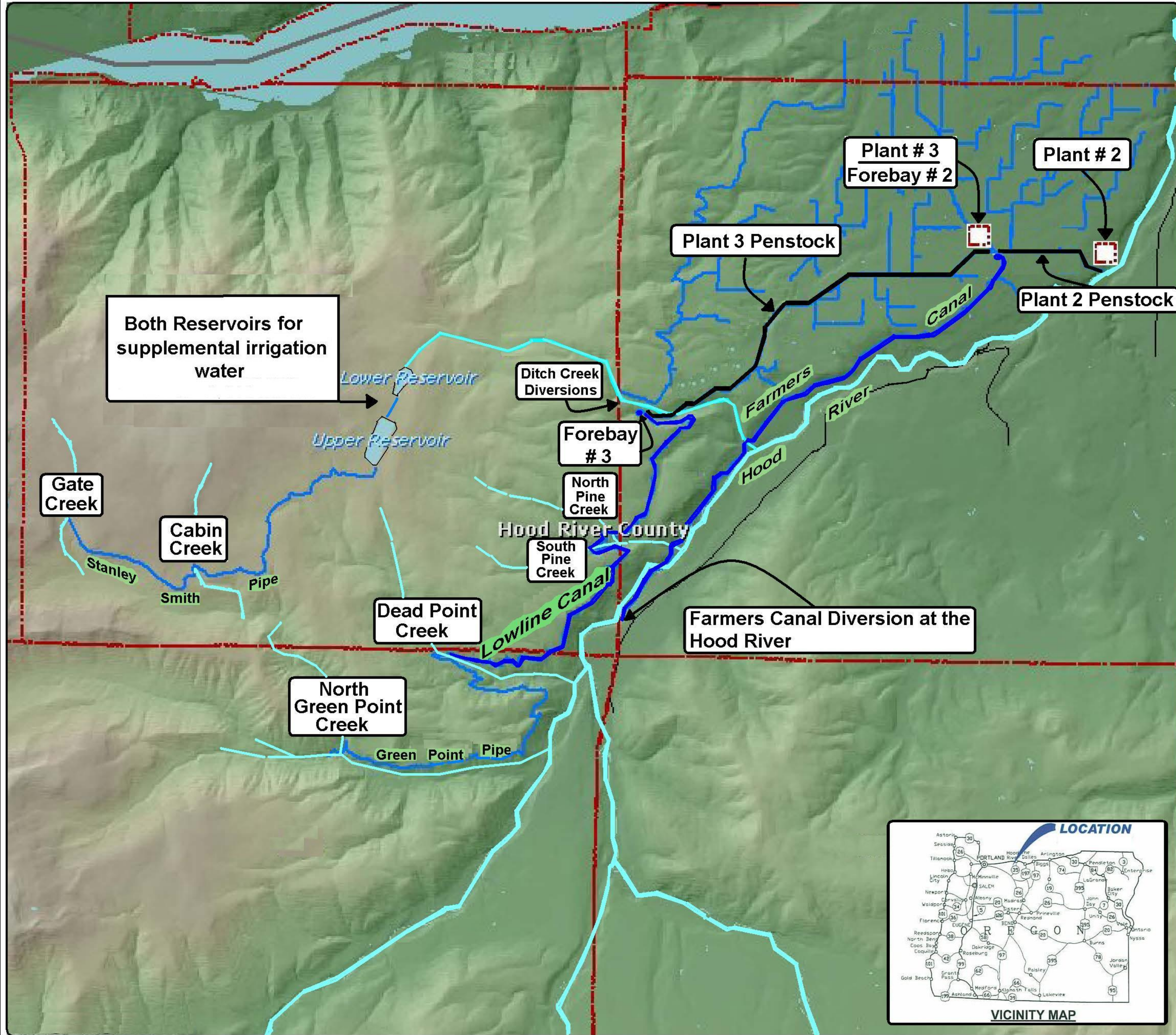
present in the Facility area and/or downstream reach due in whole or part to the presence of the Facility?		
4) If C3 was not applicable: a) Are upstream and downstream fish passage survival rates for anadromous and catadromous fish at the dam each documented at greater than 95% over 80% of the run using a generally accepted monitoring methodology? Or b) If the Facility is unable to meet the fish passage standards in 4.a, has the Applicant either i) demonstrated, and obtained a letter from the U.S. Fish and Wildlife Service or National Marine Fisheries Service confirming that demonstration, that the upstream and downstream fish passage measures (if any) at the Facility are appropriately protective of the fishery resource, or ii) committed to the provision of fish passage measures in the future and obtained a letter from the U.S. Fish and Wildlife Service or the National Marine Fisheries Service indicating that passage measures are not currently warranted?	YES = Go to C5	NO = Fail
5) Is the Facility in Compliance with Mandatory Fish Passage Prescriptions for upstream and/or downstream passage of <i>Riverine</i> fish?	YES = Go to C6 N/A = Go to C6 No material change	NO = Fail
6) Is the Facility in Compliance with Resource Agency Recommendations for Riverine, anadromous and catadromous fish entrainment protection, such as tailrace barriers?	YES = Pass, go to D N/A = Pass, go to D No material change	NO = Fail
D. Watershed Protection	PASS	FAIL
1) Is there a buffer zone dedicated for conservation purposes (to protect fish and wildlife habitat, water quality, aesthetics and/or low-impact recreation) extending 200 feet from the average annual high water line for at least 50% of the shoreline, including all of the undeveloped shoreline?	YES = Pass, go to E and receive 3	NO = go to D2

	extra years of certification See attached updated Sustainability Plan	
2) Has the Facility owner/operator established an approved watershed enhancement fund that: 1) could achieve within the project's watershed the ecological and recreational equivalent of land protection in D.1, and 2) has the agreement of appropriate stakeholders and state and federal resource agencies?	YES = Pass, go to E and receive 3 extra years of certification No Material Change from 2011 submittal	NO = go to D3
3) Has the Facility owner/operator established through a settlement agreement with appropriate stakeholders, with state and federal resource agencies agreement, an appropriate shoreland buffer or equivalent watershed land protection plan for conservation purposes (to protect fish and wildlife habitat, water quality, aesthetics and/or low impact recreation)?	YES = Pass, go to E	NO = go to D4
4) Is the facility in compliance with both state and federal resource agencies recommendations in a license approved shoreland management plan regarding protection, mitigation or enhancement of shorelands surrounding the project?	YES = Pass, go to E N/A = Pass go to E	No = Fail
E. Threatened and Endangered Species Protection	PASS	FAIL
1) Are threatened or endangered species listed under state or federal Endangered Species Acts present in the Facility area and/or downstream reach?	YES = Go to E2 NO = Pass, go to F	
2) If a recovery plan has been adopted for the threatened or endangered species pursuant to Section 4(f) of the Endangered Species Act or similar state provision, is the Facility in Compliance with all recommendations in the plan relevant to the Facility?	YES = Go to E3 N/A = Go to E3 No Material Change	NO = Fail
3) If the Facility has received authorization to incidentally <i>Take</i> a listed species through: (i) Having a relevant agency complete consultation pursuant to ESA Section 7 resulting in a biological opinion, a habitat	YES = Go to E4 N/A = Go to E5	NO = Fail

recovery plan, and/or (if needed) an incidental Take statement; (ii) Obtaining an incidental Take permit pursuant to ESA Section 10; or (iii) For species listed by a state and not by the federal government, obtaining authorization pursuant to similar state procedures; is the Facility in Compliance with conditions pursuant to that authorization?	No Material Change	
4) If a biological opinion applicable to the Facility for the threatened or endangered species has been issued, can the Applicant demonstrate that: a) The biological opinion was accompanied by a FERC license or exemption or a habitat conservation plan? Or b) The biological opinion was issued pursuant to or consistent with a recovery plan for the endangered or threatened species? Or c) There is no recovery plan for the threatened or endangered species under active development by the relevant Resource Agency? Or d) The recovery plan under active development will have no material effect on the Facility's operations?	YES = Pass, go to F No Material Change	NO = Fail
5) If E.2 and E.3 are not applicable, has the Applicant demonstrated that the Facility and Facility operations do not negatively affect listed species?	YES = Pass, go to F	NO = Fail
F. Cultural Resource Protection	PASS	FAIL
1) If FERC-regulated, is the Facility in Compliance with all requirements regarding Cultural Resource protection, mitigation or enhancement included in the FERC license or exemption?	YES = Pass, go to G N/A = Go to F2 No Material Change	NO = Fail
2) If not FERC-regulated, does the Facility owner/operator have in place (and is in Compliance with) a plan for the protection, mitigation or enhancement of impacts to Cultural Resources approved by the relevant state or federal agency or <i>Native American Tribe</i> , or a letter from a senior officer of the relevant agency or Tribe that no plan is needed because Cultural Resources	YES = Pass, go to G	NO = Fail

are not negatively affected by the Facility?		
G. Recreation	PASS	FAIL
1) If FERC-regulated, is the Facility in Compliance with the recreational access, accommodation (including recreational flow releases) and facilities conditions in its FERC license or exemption?	YES = Go to G3 N/A = Go to G2 This issue was addressed by LIHI in 2012 per Dec 31, 2011 special conditions submittal.	NO = Fail
2) If not FERC-regulated, does the Facility provide recreational access, accommodation (including recreational flow releases) and facilities, as Recommended by Resource Agencies or other agencies responsible for recreation?	YES = Go to G3 Reservoirs not associated with hydro. This issue was addressed by LIHI in 2012 per Dec 31, 2011 special conditions submittal.	NO = Fail
3) Does the Facility allow access to the reservoir and downstream reaches without fees or charges?	YES = Pass, go to H. Dams/ Reservoirs not associated with Hydro.	NO = Fail
H. Facilities Recommended for Removal	PASS	FAIL
1) Is there a Resource Agency Recommendation for removal of the dam associated with the Facility?	NO = Pass, Facility is Low Impact No Dams are associated with hydro.	YES = Fail

Farmers Irrigation District



Scale 1" = 8,000'
Created: 3/5/2012

LIHI Contact List

Agency	Full Agency Name	Name	Address	phone #	fax #	email
Army Corp of Engineers	Army Corp of Engineers	Karla Ellis	PO Box 2946, Portland, OR 97208-2946	503-808-4377	503-809-4375	karla.g.ellis@usace.army.mil
CTWS	Confederated Tribe of Warm Springs	Chris Brun	6030 Dee Hwy, Parkdale, OR 97041	541-352-3548	541-352-9365	cbrun@hrecn.net
DSL	Division of State Lands	Jess Jordan	1645 NE Forbes Rd. Suite 112, Bend, OR 97701	541-388-6112 xt 237	541-388-6480	jess.jordan@state.or.us
FERC	Louis Berger Group	Marcelle Lynde	12011 Bel-Red Road, Suite 203, Bellevue, WA 98005	425-467-6111 xt 147	425-467-6115	mlynde@louisberger.com
HR Watershed Group	Hood River Watershed Group	Cindy Thieman	3007 Experiment Station Rd. Hood River, OR 97031	541-386-6063	541-386-4588	cindy@hoodriverswcd.org
NOAA	National Marine Fisheries Service	Christy Fellas	1201 NE Lloyd Blvd, Suite 1100, Portland, OR 97232	503-231-2307	503-231-6893	christina.fellas@noaa.gov
NOAA	National Marine Fisheries Service	Melissa Jundt	1201 NE Lloyd Blvd, Suite 1100, Portland, OR 97232	503-231-2187	503-231-6893	melissa.jundt@noaa.gov
ODEQ	Oregon Dept of Environmental Quality	Bonnie Lamb	300 SE Reed Market Rd, Bend, OR 97702	541-388-6146 xt 239	541-388-8283	lamb.bonnie@deq.state.or.us
ODFW	Oregon Dept. of Fish & Wildlife	Rod French	3701 W. 13th St. The Dalles, OR 97058	541-296-4628	541-298-4993	rod.a.french@state.or.us
ODFW	Oregon Dept. of Fish & Wildlife	Jason Seals	3701 W. 13th St. The Dalles, OR 97058	541-296-4628	541-298-4993	jason.seals@state.or.us
ODFW	Oregon Dept. of Fish & Wildlife	Amy Stuart	61374 Parrell Rd, Bend, OR 97702	541-388-6363	541-388-6281	amy.m.stuart@state.or.us
OWRD	Oregon Water Resources Department	Mary Grainey	725 Summer St. NE, Suite A, Salem, OR 97301	503-986-0833	503-986-0901	mary.s.grainey@wrdd.state.or.us
SWCD	Soil and Water Conservation District	Anne Saxby	3007 Experiment Station Rd. Hood River, OR 97031	541-386-6719	541-386-4588	saxharp@gorge.net
USFWS	Unites States Fish & Wildlife Service	Joe Zisa	2600 SE 98th Ave, Ste 100, Portland, OR 97266	503-231-6179	541-231-6195	joe_zisa@fws.gov