

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

DRAFT BENEFICIAL USE FIELD REPORT (missing information; info requested via email)

A. GENERAL INFORMATION

Permit No: **85-7659**
And 85-7661

Exam Date: 5/29/2012

1. Current Owner: US DEPT OF ENERGY
BONNEVILLE POWER
PO BOX 3621 TRF 3
PORTLAND OR 97208-3621
(503)230-5572
2. Accompanied by: Aaron Penney
Phone No: (208)790-1876, (208)621-3504, wk (208)843-7384 Ext 3504
Address: 18985 Hubbard Gulch, Juliaetta, ID 83535
Relationship to Permit Holder: Assistant Hatchery Manager, Nez Perce Tribal Hatchery
Email: aaronp@nezperce.org

This facility is a cooperative project between Bonneville Power Administration and the Nez Perce Tribe.

3. **SOURCE**

TRIBUTARY

85-7659:

LAPWAI CREEK

CLEARWATER RIVER

85-7661:

GROUNDWATER

B. OVERLAP REVIEW

1. **Other water rights with the same place of use:** 85-7659 & 85-7661 (same owner, with the same beneficial uses)
2. **Other water rights with the same point of diversion:** None. 85-7659 is a surface water source from the Lapwai Creek, and 85-7661 is a groundwater source that co-mingles with the same system in the Head Tank, prior to being discharged into the (2) fish propagation ponds/tanks. Other PODs within the same QQ are for Domestic use, with different POU's.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

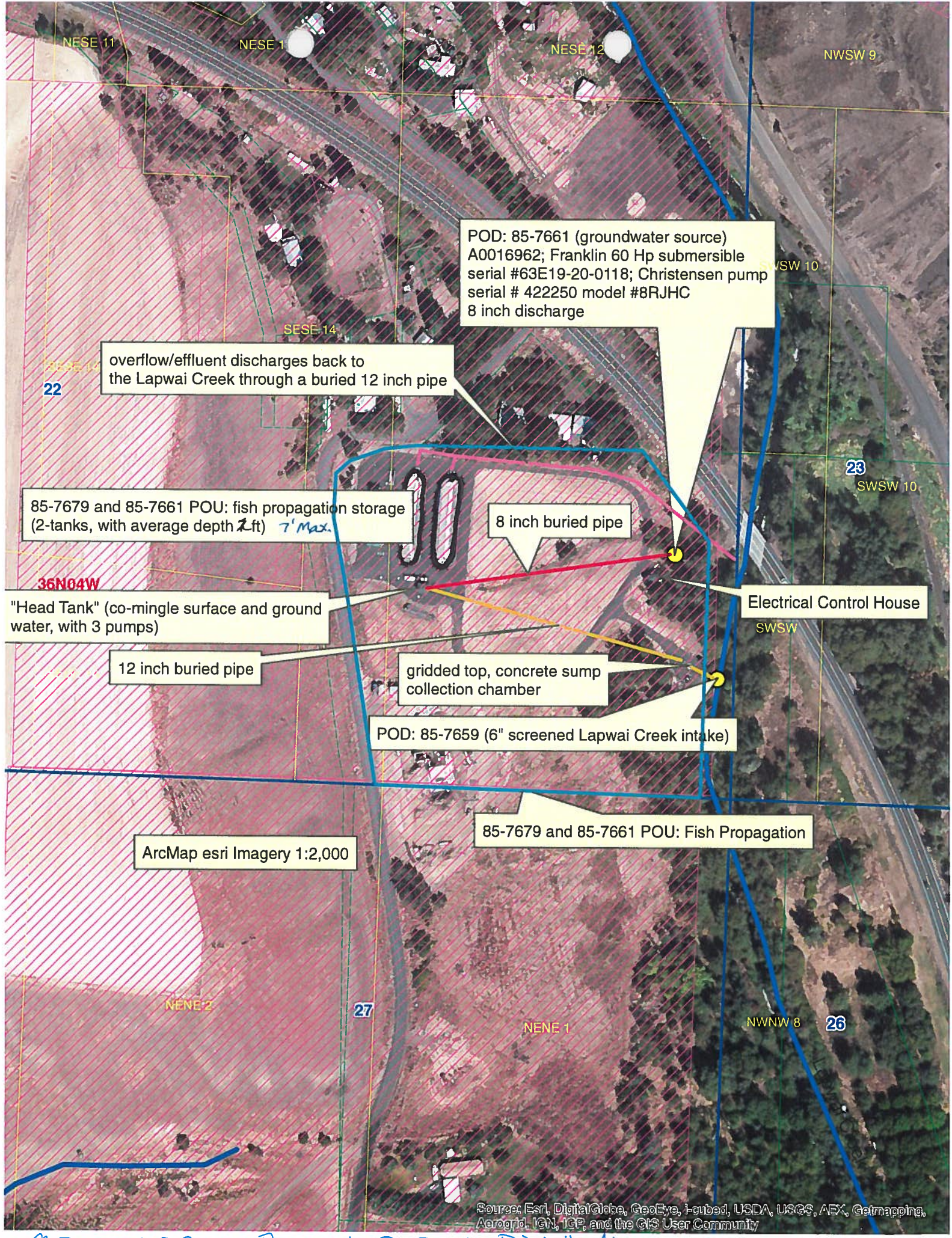
85-7659

LAPWAI CREEK L13 SE1/4SE1/4 Sec. 22, Twp 36N, Rge 04W, B.M. NEZ PERCE County

85-7661

GROUND WATER L13 SE1/4SE1/4 Sec. 22, Twp 36N, Rge 04W, B.M. NEZ PERCE County

Method of Determination: Garmin GPS Map 76S, ArcMap esri and 2004 – 2013 Imagery.



POD: 85-7661 (groundwater source)
A0016962; Franklin 60 Hp submersible
serial #63E19-20-0118; Christensen pump
serial # 422250 model #8RJHC
8 inch discharge

overflow/effluent discharges back to
the Lapwai Creek through a buried 12 inch pipe

85-7679 and 85-7661 POU: fish propagation storage
(2-tanks, with average depth 7' Max)

8 inch buried pipe

"Head Tank" (co-mingle surface and ground
water, with 3 pumps)

12 inch buried pipe

gridded top, concrete sump
collection chamber

Electrical Control House

POD: 85-7659 (6" screened Lapwai Creek intake)

85-7679 and 85-7661 POU: Fish Propagation

ArcMap esri Imagery 1:2,000





05/29/2012

85-7659
POD:
6"
screened
intake



Intakes
at
Lapwai
Creek

05/29/2012

85-71-59

S. Hemmings



85-7659
PDD
6"
intake

concrete
sump
collection
chamber

05/29/2012



inside
the
collection
chamber

05/29/2012



Head
Tank
where
surface
+
ground-
water
can
flow
thru to
tanks;
or
so-mix
+ then
flow
to
fish
prop.
tanks



85-7659 + 85-7661

S. Hemerway



85-7659 + 85-7661

S. Hemenway



85-7661
 POD
 Add 16962
 8"
 discharge
 Franklin
 60 Hp.
 03E19-20-
 0118
 Christensen
 pump,
 ser.#
 422250
 model #
 8RJHC

05/29/2012



8"
 flow-
 meter
 (cap
 missing,
 unknown
 make +
 ser. #)

8"
 discharge
 to
 8"
 buried
 pipe to
 the
 Head
 Tank

05/29/2012

85-7661

S. Hemerway



85-7661

S. Hemerway



overflows
to
12" buried
pipe

POU:
85-7659
+
85-7661

05/29/2012

from the
head
tank,
(2)
fish
prod.
storage
ponds
0.3
acre
total
with
average
depth
of 2'
+
max.
depth
of
7'

05/29/2012

85-7659 + 85-7661

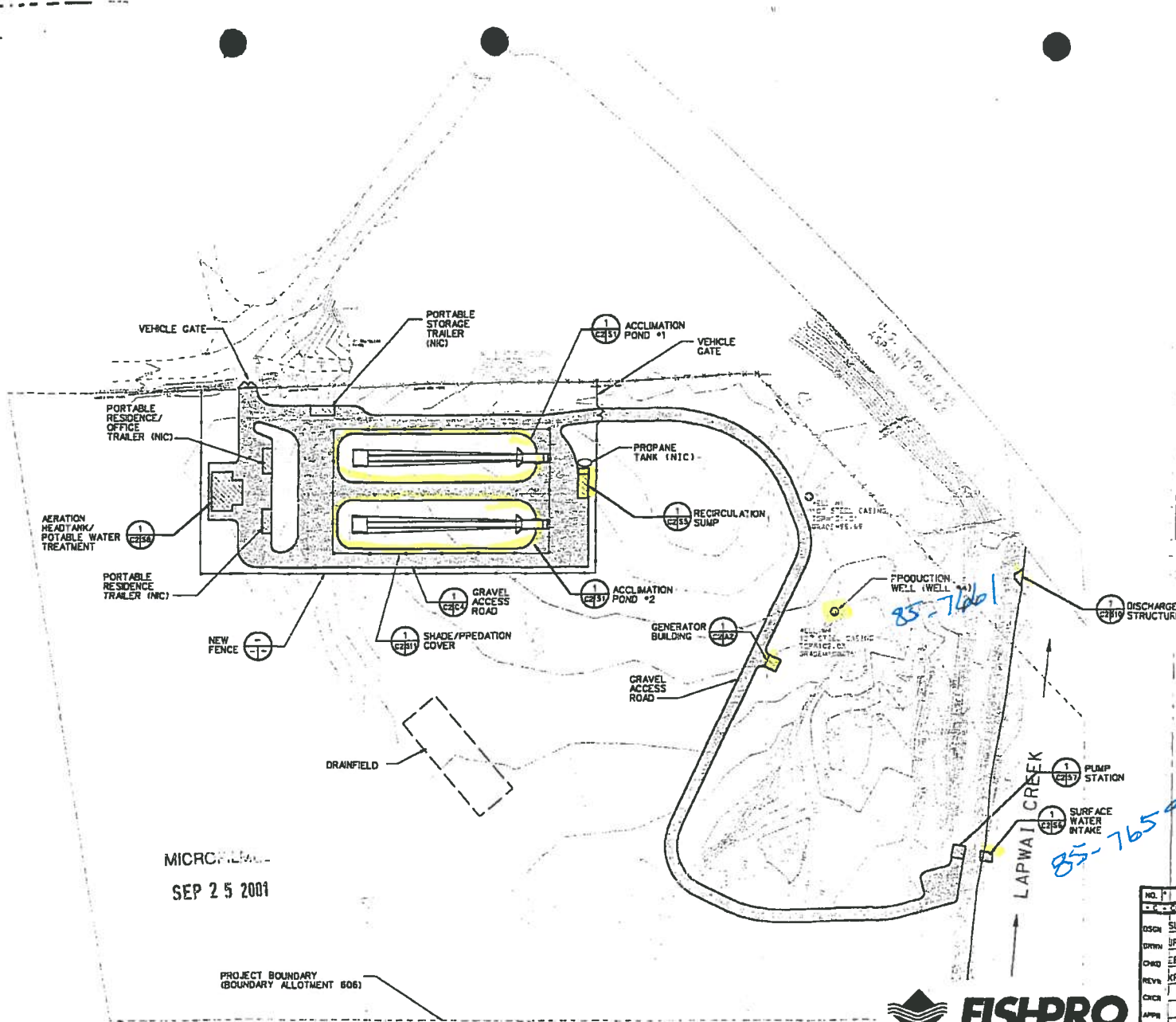
S. Hernerway



12"
discharge
or
overflow
from
tanks
back
to the
river

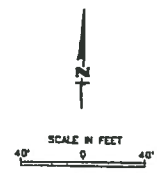
85-7659 + 85-7661

S. Hernerway



MICROFILM
SEP 25 2001

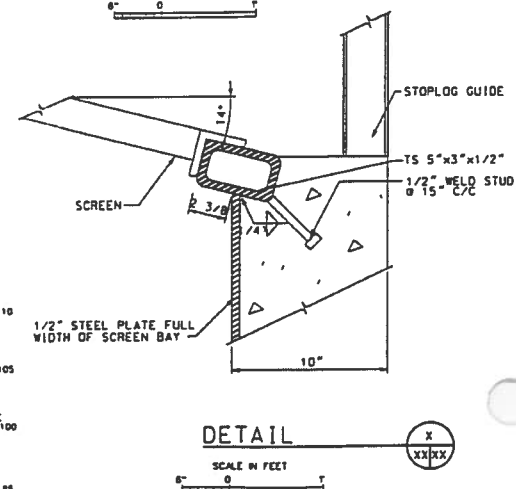
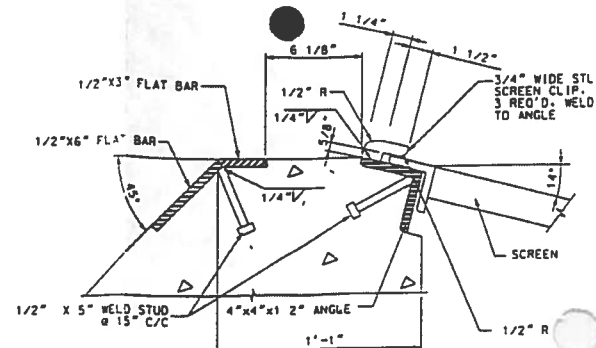
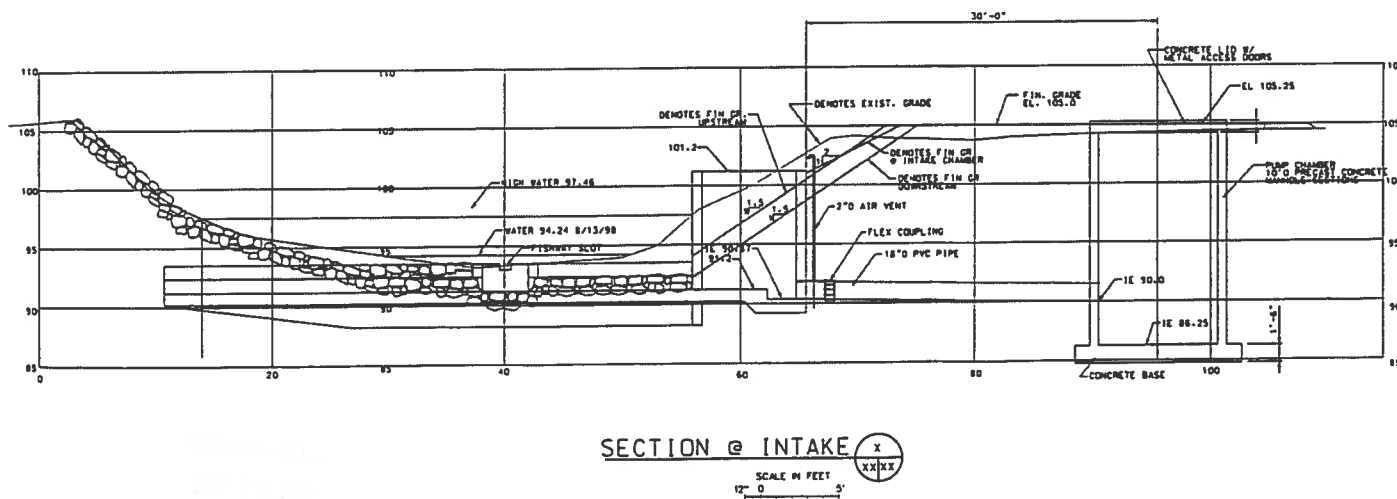
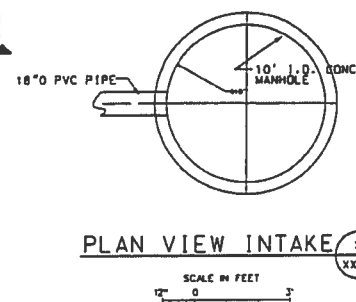
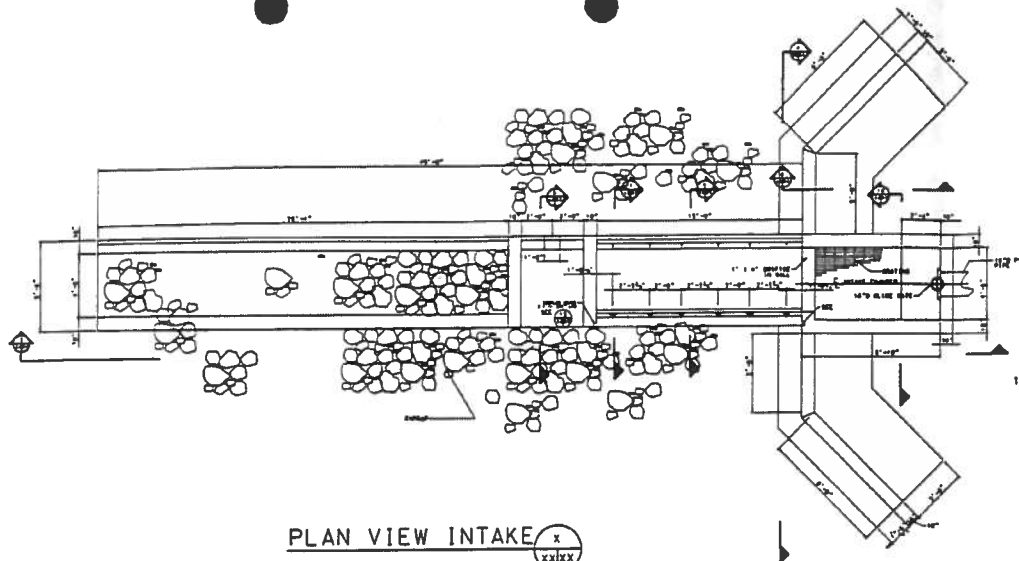
Number of Units: 2
Avg. Dimensions: 38x160x7'
Total Proposed Volume: 26,316cf



FOR REVIEW ONLY
NOT FOR CONSTRUCTION



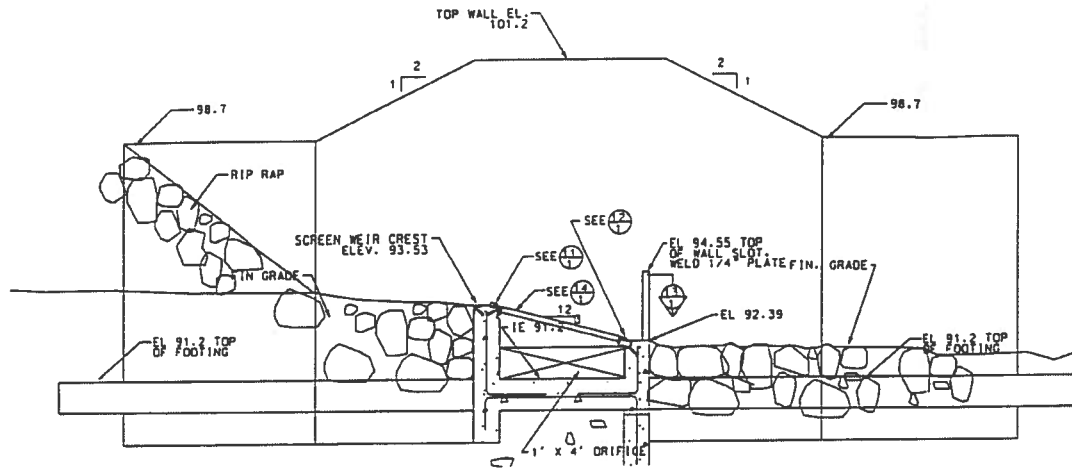
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- P - CONTRACT CONTRIBUTION, FA - FORCE ACCOUNT, R - RECORD						
DSGN	SLS	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON NEZ PERCE TRIBAL HATCHERY PROGRAM NORTH LAPWAI VALLEY SITE PLAN				
DTN	UPL					
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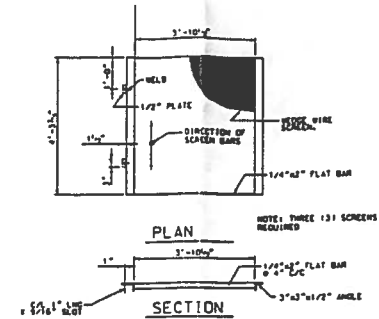
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

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DISC	SLS	UNITED STATES DEPARTMENT OF ENERGY			
ORIG	JPL	BONNEVILLE POWER ADMINISTRATION			
CHG	EED	HEADQUARTERS, PORTLAND, OREGON			
REV	KPF	NEZ PERCE TRIBAL HATCHERY PROGRAM			
CHK		NORTH LAPWAI VALLEY			
APP		INTAKE & PUMP STATION			
DATE	05/03/99	Section	Page	Size	Sheet
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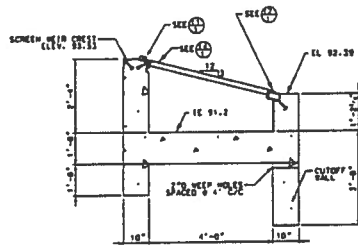




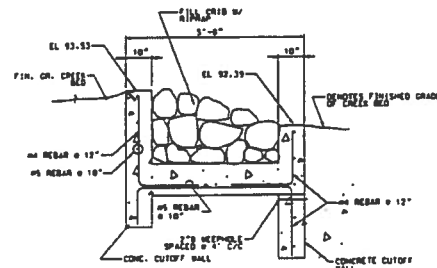
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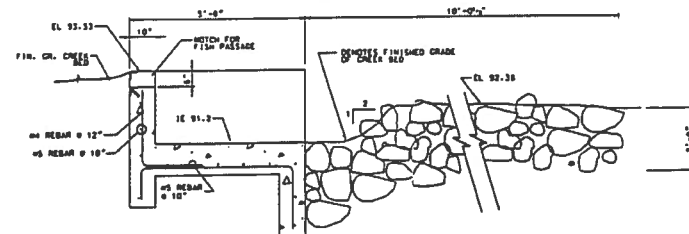
SCREEN DETAILS 14
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SECTION 5
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SECTION 6
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SECTION 7
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FOR REVIEW ONLY
NOT FOR CONSTRUCTION

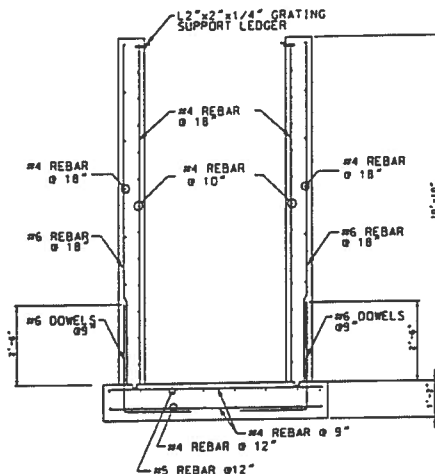
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CHCR				
APPR				
DATE	05/03/99	Serial	Page	Sheet
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UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
4600 AVENUE, PORTLAND, OREGON
NEZ PERCE TRIBAL HATCHERY PROGRAM
NORTH LAPWAI VALLEY

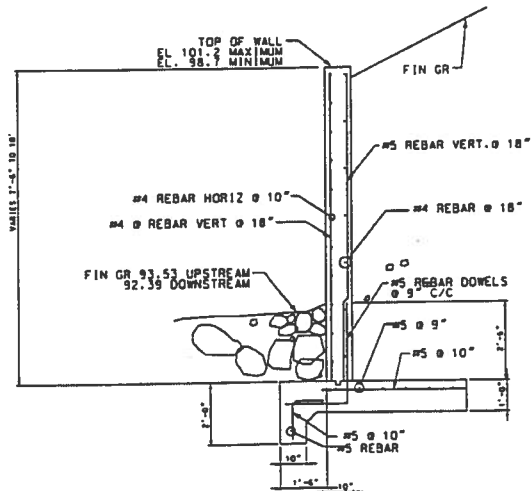
INTAKE & PUMP STATION
SECTIONS AND DETAILS



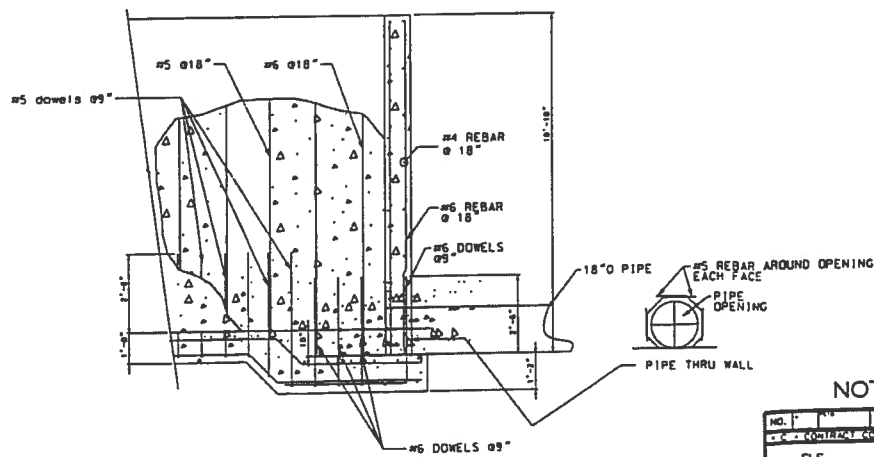
MICRO-PL
SEP 25 2001



DETAILS 10
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MICRO DETAIL 8
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DETAIL 9
XXXX

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

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0002	1	UNITED STATES DEPARTMENT OF ENERGY			
0003	1	BONNEVILLE POWER ADMINISTRATION			
0004	1	NEZ PERCE TRIBAL HATCHERY PROGRAM			
0005	1	NORTH LAPWAI VALLEY			
0006	1	INTAKE & PUMP STATION			
0007	1	SECTIONS			
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Hemenway, Sandy

From: Hemenway, Sandy
Sent: Thursday, March 27, 2014 6:11 AM
To: 'Aaron Penney'
Cc: Hemenway, Sandy
Subject: RE: for hatchery off Hwy 12, 85-7659 US Dept of Energy, Bonneville Power (fish propagation)

Aaron,

This intake is for the the hatchery off of Hwy 12, on Thunderhill Rd. Lapwai Creek is the source.

Thanks,

Sandy

From: Hemenway, Sandy [<mailto:Sandy.Hemenway@idwr.idaho.gov>]
Sent: Thursday, March 20, 2014 6:55 AM
To: Hemenway, Sandy; aaronp@nezperce.org
Subject: RE: US Dept of Energy, Bonneville Power (fish propagation)

Hi again,

In my notes from the field examination, I was told that there is a back-up pump that is rented in the event water is needed to pull water out of the river. I know this pump is usually rented, but do you know what make/model and Hp it usually is?

Also, at the 6 inch intake, are the pumps in the Head Tank used to pump water from the river, or is it normally a gravity flow system from the 6 inch intake to the Head Tank, and then pumped into the (2) fish propagation ponds/tanks? If there is a separate pump for the 6 inch intake river source that is used all the time, could you give the make/model and Hp?

Sorry for the gaps in information.

Thanks,
Sandy Hemenway
Sr. Water Resource Agent
IDWR State Office, Boise
(208)287-4920
Sandy.hemenway@idwr.idaho.gov

Hemenway, Sandy

From: Hemenway, Sandy
Sent: Saturday, March 15, 2014 9:36 AM
To: aaronp@nezperce.org
Cc: Hemenway, Sandy
Subject: RE: 85-7659 and 85-7661 US Dept of Energy, Bonneville Power (fish propagation off Thunder Hill Rd, North Lapwai Valley project)
Attachments: DOC008.pdf
Importance: High

Aaron,

Here is a map of the distribution system for these two water rights, as I am interpreting it. The gaps in my narrative is:

- (1) The location, make, model, Hp of the back-up pump.
- (2) Make, model, Hp of each of the 3 pumps in the "Head Tank."
- (3) Make, model, and locations for the flow meters,
- (4) From the well to the Head Tank, I was told it is 8 inch buried pipe. What kind of pipe?
- (5) From the Lapwai Creek intake, the collection chamber to the Head Tank is a 12 inch buried pipe. What kind of pipe?
- (6) And the questions below.

Sorry for all the emails.

Again, I thank you for all your time, and I look forward to hearing back from you within the next 2 weeks.

Sincerely,

Sandy Hemenway
Sr. Water Resource Agent
IDWR State Office, Boise
(208)287-4920
Sandy.hemenway@idwr.idaho.gov

From: Hemenway, Sandy
Sent: Friday, March 14, 2014 1:35 PM
To: aaronp@nezperce.org
Cc: Hemenway, Sandy
Subject: 85-7659 and 85-7661 US Dept of Energy, Bonneville Power (fish propagation off Thunder Hill Rd, North Lapwai Valley project)

Hi Aaron,

I have attached pictures for this next fish propagation site, to help assist in answering the following questions:

- (1) Do you have flow records or have an estimate of the volume used for this facility during a normal season? If so could you please submit it?
- (2) Please submit a copy of the maintenance schedule, if there is one.
- (3) Please submit a copy of the Number, Size of the fish, Type of fish, and Dates fish are stocked to the tanks for a routine year.

- (4) Can you describe any techniques that are used to improve the fish growth and reproduction i.e. nutrients added to the water.
- (5) How long does it take to fill all the tanks?
- (6) How many exchanges/turnovers take place within 24 hours?
- (7) Do you have flow records from the surface water source? If so, can I have a copy? If not, what is the gpm this main pump or the backup runs at, and for what time period?
- (8) Do you have flow records from the well? If so, can I have a copy? If not, what is the gpm this well normally runs at, and for what time period?
- (9) Do you know what psi the system runs at?
- (10) What is the purpose of adding groundwater to the propagation tanks, when there is already a surface water source? [Can you explain in detail?](#)
- (11) Do you know the average depth that the tanks/ponds are maintained at (the high water mark indicated in the pictures)?
- (12) The system for the surface water system was a little unclear. I know that there is a 6 inch screened intake to the concrete sump with a 12 inch pipe that runs to 3 pumps with 1,000 gpm capability to the propagation ponds, with a 12 inch discharge to the creek. My questions are these: (a) what are the make/model and Hp of the 3 pumps, and (b) is there anything that you can add to the description of this system that would make the narrative flow better?

Please submit the above information within 2 weeks, so I can complete the licensing process. To expedite the process, please scan and send information back as an email attachment, otherwise you can mail it to the address below.

Thanks so much,

Sandy Hemenway
Sr. Water Resource Agent
IDWR State Office, Boise
PO Box 83720
Boise, ID 83720-0098
(208)287-4920
Sandy.hemenway@idwr.idaho.gov

Hemenway, Sandy

From: Hemenway, Sandy
Sent: Friday, March 14, 2014 1:35 PM
To: aaronp@nezperce.org
Cc: Hemenway, Sandy
Subject: 85-7659 and 85-7661 US Dept of Energy, Bonneville Power (fish propagation off Thunder Hill Rd, North Lapwai Valley project)
Attachments: DOC007.pdf

Hi Aaron,

I have attached pictures for this next fish propagation site, to help assist in answering the following questions:

- (1) Do you have flow records or have an estimate of the volume used for this facility during a normal season? If so could you please submit it?
- (2) Please submit a copy of the maintenance schedule, if there is one.
- (3) Please submit a copy of the Number, Size of the fish, Type of fish, and Dates fish are stocked to the tanks for a routine year.
- (4) Can you describe any techniques that are used to improve the fish growth and reproduction i.e. nutrients added to the water.
- (5) How long does it take to fill all the tanks?
- (6) How many exchanges/turnovers take place within 24 hours?
- (7) Do you have flow records from the surface water source? If so, can I have a copy? If not, what if the gpm this main pump or the backup runs at, and for what time period?
- (8) Do you have flow records from the well? If so, can I have a copy? If not, what is the gpm this well normally runs at, and for what time period?
- (9) Do you know what psi the system runs at?
- (10) What is the purpose of adding groundwater to the propagation tanks, when there is already a surface water source? [Can you explain in detail?](#)
- (11) Do you know the average depth that the tanks/ponds are maintained at (the high water mark indicated in the pictures)?
- (12) The system for the surface water system was a little unclear. I know that there is a 6 inch screened intake to the concrete sump with a 12 inch pipe that runs to 3 pumps with 1,000 gpm capability to the propagation ponds, with a 12 inch discharge to the creek. My questions are these: (a) what are the make/model and Hp of the 3 pumps, and (b) is there anything that you can add to the description of this system that would make the narrative flow better?

Please submit the above information within 2 weeks, so I can complete the licensing process. To expedite the process, please scan and send information back as an email attachment, otherwise you can mail it to the address below.

Thanks so much,

Sandy Hemenway
Sr. Water Resource Agent
IDWR State Office, Boise
PO Box 83720
Boise, ID 83720-0098
(208)287-4920
Sandy.hemenway@idwr.idaho.gov