



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

APPLICATION FOR PERMIT  
TO CONSTRUCT A RESERVOIR AND TO STORE FOR BENEFICIAL USE  
THE UNAPPROPRIATED WATERS OF THE STATE OF WASHINGTON

\$10.00 MINIMUM STATUTORY FILING FEE REQUIRED WITH APPLICATION  
(GRAY BOXES FOR OFFICE USE ONLY)

APPLICATION NUMBER <b>R 329934</b>	W.R.I.A. <b>56</b>	COUNTY <b>SPOKANE</b>	PRIORITY DATE <b>3-13-96</b>	TIME	ACCEPTED <b>LK</b>
APPLICANT'S NAME <b>U.S. Fish and Wildlife Service</b>				TELEPHONE NUMBER <b>(503) 231-6145</b>	
DATE AND PLACE OF INCORPORATION IF APPLICANT IS A CORPORATION					

ADDRESS (STREET) <b>911 N.E. 11th Avenue</b>	(CITY) <b>Portland</b>	(STATE) <b>Oregon</b>	(ZIP CODE) <b>97232-4181</b>
---	---------------------------	--------------------------	---------------------------------

1. SOURCE, USE, AND CAPACITY OF RESERVOIR

NAME OF PROPOSED RESERVOIR <b>Helms Meadow</b>	
NAME OF STREAM OR OTHER SOURCE FOR RESERVOIR SUPPLY <b>2 unnamed streams</b>	TRIBUTARY OF <b>Long Lake</b>
USE(S) TO BE MADE OF IMPOUNDED WATER (IRRIGATION, POWER, FISH PROPOGATION, ETC.) <b>Wildlife Habitat</b>	
NUMBER OF ACRE FEET TO BE STORED AT MAXIMUM OPERATING LEVEL <b>223</b>	
MONTHS OF YEAR DURING WHICH RESERVOIR IS TO BE FILLED <b>Winter and Spring runoff. Typically this covers the period from November through June.</b>	
NUMBER OF ACRES TO BE IRRIGATED, IF USED FOR IRRIGATION <b>N/A</b>	
TYPE AND CAPACITY OF DIVERSION WORKS IF WATER IS TO BE WITHDRAWN <b>N/A</b>	

2. LOCATION OF POINT OF DIVERSION OR WITHDRAWAL

ON ACCOMPANYING PLATS OR MAPS, ACCURATELY MARK AND IDENTIFY EACH POINT OF DIVERSION. GIVE MEASURED DISTANCE AND BEARING, OR NORTH-SOUTH AND EAST-WEST DISTANCES FROM NEAREST SECTION CORNER.

COMPLETE EITHER A OR B	A	THE RESERVOIR IS TO BE LOCATED IN THE CHANNEL OF (NAME OF STREAM) <b>Unnamed streams entering reservoir from SW and NE</b>		
	B	THE RESERVOIR IS TO BE FILLED THROUGH A FEEDER CANAL (OR PIPELINE) HAVING ITS POINT OF DIVERSION (INTAKE) LOCATED AS FOLLOWS		
DISTANCE AND BEARING TO SECTION CORNER <b>North 1610' East 4435' from SW corner of Section 27, T23N, R41E W.M.</b>				
LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE (E. OR W.) W.M.	COUNTY
<b>NE SE 1/4</b>	<b>27</b>	<b>23</b>	<b>41E</b>	<b>Spokane</b>

3. IF THIS IS WITHIN THE LIMITS OF A RECORDED PLATTED PROPERTY, COMPLETE THIS SECTION

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
-----	-------	------------------------------------

4. LOCATION OF IMPOUNDING STRUCTURE

IMPOUNDING STRUCTURE LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE (E. OR W.) W.M.
<b>NE SE</b>	<b>27</b>	<b>23</b>	<b>41E</b>
LEGAL SUBDIVISION OF LANDS IN WHICH THE SUBMERGED AREA IS TO BE LOCATED (THE OUTLINE OF THIS LAND IS TO BE SHOWN ON THE MAP TO ACCOMPANY THIS APPLICATION)			
<b>Section 27: SW SW, NE SW, SW SE, SE SE, NE SE, NW SE, SE SW</b>			
<b>Section 33: NE NE</b>			
<b>Section 34: NW NW</b>			
<b>T. 23 N, R. 41 E. WM</b>			
LEAD AGENCY: <b>ECOLOGY</b>			THIS APPLICATION IS NOT EXEMPT:
/ / Completed Checklist Received			
/ / Determination of Nonsignificance Issued			
/ / Determination of Significance Issued			
DRAFT EIS ISSUED			/ /
FINAL EIS ISSUED			/ /

DO YOU OWN THIS PROPERTY <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	IF NO, HAVE YOU SECURED FLOOD RIGHTS FOR LANDS TO BE INUNDATED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Easement for Lands, in NE NE Sect. 33 is being negotiated. Service owns remaining lands.
---	---	--

5. CONSTRUCTION OF IMPOUNDING STRUCTURE

HEIGHT OF DAM (FEET) <b>6.0</b>	LENGTH ON TOP (FEET) <b>34'</b>	LENGTH ON BOTTOM (FEET) <b>10</b>	WIDTH ON TOP (FEET) <b>10</b>
------------------------------------	------------------------------------	--------------------------------------	----------------------------------

SLOPE OF FRONT OR WATER SIDE (NUMBER OF FEET HORIZONTAL TO ONE FOOT VERTICAL) 2:1	SLOPE OF BACK SIDE (NUMBER OF FEET HORIZONTAL TO ONE FOOT VERTICAL) 2:1
HEIGHT OF DAM ABOVE WATER LINE AT MAXIMUM FLOOD FLOW (FEET) 2	TYPE OF CONSTRUCTION OF DAM AND MATERIAL OF WHICH IT IS TO BE BUILT Compacted earth fill

LOCATION AND DIMENSIONS OF SPILLWAYS (STATE WHETHER OVER, AROUND, OR THROUGH DAM)  
Flashboard rizer structure is primary spillway. It conveys water through the dam.

NUMBER OF ACRES TO BE SUBMERGED BY RESERVOIR WHEN FULL 93.2 acres	MAXIMUM DEPTH (FEET) 6	APPROXIMATE AVERAGE DEPTH (FEET) 2.5
ESTIMATED COST OF PROPOSED WORK \$62,000.00	CONSTRUCTION WILL BEGIN ON OR BEFORE (DATE) June 1, 1996	
CONSTRUCTION WILL BE COMPLETED ON OR BEFORE (DATE)		

SIZE AND TYPE OF OUTLET STRUCTURE  
3' diameter CMP with 6' high 3' diameter flashboard rizer.

6. LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED (IF DIFFERENT THAN ABOVE)  
COPY LEGAL DESCRIPTION FROM DEED; OR ATTACH COPY OF DEED. TAX STATEMENT DESCRIPTIONS ARE NOT ACCEPTABLE. ALSO OUTLINE THIS PROPERTY ON THE MAPS OR PLATS SUBMITTED WITH THIS APPLICATION.  
See attachment

DO YOU OWN THIS PROPERTY  YES  NO IF NO, GIVE NAME AND ADDRESS OF OWNER

Area of inundation in Section 33, T23N, R.41 E is not owned by the Service.

REMARKS  
A Flowage easement is currently being negotiated with the owner of this property.

*[Handwritten Signature]*  
U.S. Fish and Wildlife Service  
SIGNATURE OF APPLICANT

STATE OF WASHINGTON }  
DEPARTMENT OF ECOLOGY } ss.

This is to certify that I have examined the foregoing application together with the accompanying maps and data, and return the same for correction or completion as follows: .....

In order to retain its priority, this application must be returned to the Department of Ecology, with corrections, on or before ....., 19.....

Witness my hand this ..... day of ....., 19.....

.....  
Department of Ecology

R 329934