

Comment Report

74-7002B

1. kwalker 4/18/2005 License Review

Comment: While reviewing this permit for licensing I found that the exam done in 1978 showed development of 399 acres of irrigation from storage. The maps submitted by examiner were not clear enough to make a GIS shape file so we had ortho-photo quad S80, 1974 vintage scanned. This ortho-photo quad was more consistent with the lands the examiner found irrigated in 1978. I made the GIS shape using the 1974 quad. I came up with 395 acres of irrigation which is close to that recommended by the examiner. I included lands in SWNE, S33 and E1/2SW, S34 which the examiner did not include but were contiguous with the fields the examiner had recommended. Found the standard irrigation season for this area to be 3/15 to 11/15 so have adjusted the irrigation from storage season of use to these dates.

The dams are known as Shiner Upper & Shiner Lower in the dam safety records. Need to request a claim for SRBA be filed at same time as request for licensing amendment.

2. kwalker 7/8/2005 License Recommendations

Comment: See comments in 74-7002A in regard to storage place of use for Shiner Upper.

Conducted a thorough overlap review for place of use. There are 6 other water rights that irrigate some part of this place of use. I determined that all these rights when combined should not exceed the irrigation of 523 acres. Recommend licensing as proposed.

DAM SUMMARY INVENTORY SHEET

SHINER UPPER

Printed: Mar 08, 2005

74 - 7002A

Updated: Mar 08, 2005

STATUS _____	A	OUTLET GATE CONDITION _____	GD
BASIN _____	74	LAST OUTLET EXAM _____	
DAM NUMBER _____	7002A	OUTLET INSP INTERVAL _____	
FEDERAL ID NUMBER _____	ID00142	DEFICIENCY:	
DAM NAME _____	SHINER UPPER	IDF _____	Q500
COUNTY _____	LEMHI	IDF MAGNITUDE _____	180 Cfs
STREAM _____	YEARIAN CREEK	RELEASE CAPACITY _____	72 Cfs
REGION _____	E	OVERALL COND _____	GD
PURPOSE _____	I	MAINTENANCE _____	ROUTINE
RISK CATEGORY _____	2	INSPECTION DATE _____	9/16/2004 Mo/Yr
SIZE CATEGORY _____	2	CERT ISSUE DATE _____	3/2/2005 Mo/dd/yr
Q Q SECTION _____	NESW	STORAGE AUTH DATE _____	03/02/2005 Mo/dd/yr
SECTION _____	18	STORAGE EXP DATE _____	11/01/2006 Mo/dd/yr
TOWNSHIP _____	18N	SURVEY DATE _____	9/16/2004 Mo/dd/yr
RANGE _____	25E	CALL UP DATE _____	Mo/dd/yr
LATITUDE DEC _____	44.8856	INSP INTERVAL _____	2 Yr
LONGITUDE DEC _____	113.5427	PHASE 1 INSP DATE _____	
DAM TYPE _____	EARTH	OPERATION PLAN _____	N
STORAGE CAPACITY _____	250 AcFT	STATIC STABILITY _____	
HEIGHT _____	25 Ft	SEISMIC STABILITY _____	N
DRAINAGE AREA _____	4.5 SqMi	RESTRICTED _____	Y
RESERVOIR AREA _____	25 Ac	BOND _____	NA
YEAR COMPLETED _____	1968	JOINT INSPECTION _____	
CREST ELEVATION _____	6385 Msl	QUAD NUMBER _____	S30
CREST LENGTH _____	400 Ft	QUAD NAME _____	AGENCY CREEK
SPILLWAY TYPE _____	RKCHAN	DAM OWNER _____	SHINER FARMS
SPILLWAY DEPTH _____	4.2 Ft	ADDRESS-1 _____	
SPILLWAY CAPACITY _____	39 Cfs	ADDRESS-2 _____	PO BOX 26
SPILLWAY CONDITION _____	FR	CITY _____	LEMHI
SPILLWAY GATE COND _____	NA	STATE _____	ID
OUTLET TYPE _____	RNFCNP	ZIP CODE _____	83465
OUTLET SIZE _____	18 In	ZIP SUFFIX _____	
OUTLET CAPACITY _____	33 Cfs	PHONE _____	7682473
OUTLET CONDITION _____	GD	AREA COD _____	208

GEN_REMARK _____ DAM REBUILT & RAISED IN 1990.

TEC_REMARK _____ SPILLWAY & REL CAP ARE WITH 2.5' FB. MAIN SPILLWAY HAS FUSE PLUG 1' HIGH. AUX CHANNEL WILL CARRY LOW FLOWS. WITH FUSE PLUG REMOVED SPILLWAY WILL PASS Q100 = 145 CFS WITH 2.3' FB & PASS Q500 WITH APPROX 2.0' FB.

RESTRICT _____ FUSE PLUG IN SPILLWAY CHANNEL SHALL BE MAINTAINED SO THAT IT WILL EASILY WASH OUT IF OVERTOPPED.

ALT_CONT _____ CHUCK SHINER IS DECEASED.

BOND_SUM _____

DEFICIENCY ITEM _____

6888

Shiner
Upper

SHARP
RECTANGULAR
WEIR

SHARP
RECTANGULAR
WEIR

SPILLWAY

RESERVOIR

OUTLET
PIPE

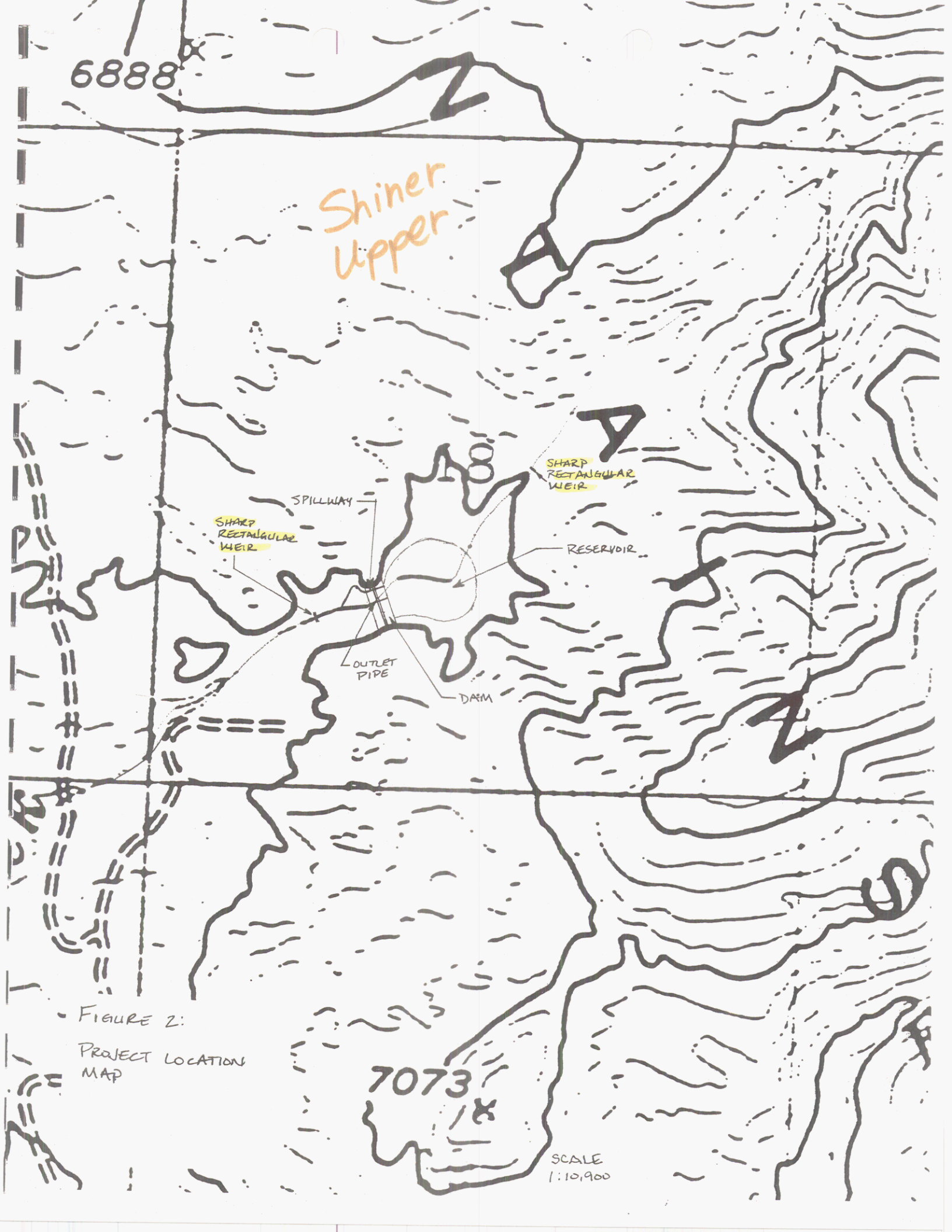
DAM

FIGURE 2:

PROJECT LOCATION
MAP

7073

SCALE
1:10,900



SHINER RESERVOIR

A Report for the Idaho Department
of Water Resources

MICROFILMED
JUL 22 1991

Sorenson Engineering, P.A.
Consulting Engineers

550 LINDEN DRIVE
IDAHO FALLS, IDAHO 83401
(208) 522-8069