

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-7144

Exam Date: 6/23/1994

10/7/2004

1. Current Owner: STATE OF IDAHO
DEPT OF PARKS & RECREATION
STATEHOUSE MAIL
PO BOX 83720
BOISE ID 83720-0065
(208)334-4180

2. Accompanied by: *NONE*
Phone No:
Address:
Relationship to Permit Holder:

RECEIVED
OCT 19 2004
DEPARTMENT OF
WATER RESOURCES

3. SOURCE

EAST THURMON CREEK
MIDDLE THURMON CREEK
WEST THURMON CREEK

TRIBUTARY

THURMON CREEK
THURMON CREEK
THURMON CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: *21-4040 ADJ CLAIM / 21-7184*
2. Other water rights with the same point of diversion: *21-4040 ADJ CLAIM / 21-7184*

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

WEST THURMON CREEK	SW1/4NE1/4	Sec. 22, Twp 12N, Rge 42E, B.M.
FREMONT County		
EAST THURMON CREEK	SE1/4NE1/4	Sec. 22, Twp 12N, Rge 42E, B.M.
FREMONT County		
MIDDLE THURMON CREEK	SE1/4NE1/4	Sec. 22, Twp 12N, Rge 42E, B.M.
FREMONT County		

Method of Determination: *USGS quad map*

2.

21-7145 is for Silver Lake

*License 21-7184 is for the same Golden Lake
different use, later priority date.*

Method of Determination:

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
☒ Aerial Photo Attached (required for irrigation of 10+ acres).
☐ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements:

Dam Inspection records plus Arc View

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

Dam Ins. records show 112AF and 41 Acres surface AREA.

Using Arc View and 1987 NAPP photos Area would be 52 Acres or 142AF.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

golden lake. three streams flow separately into a reservoir. west thurman creek, middle thurman creek and east thurman creek. they would join below the dam to form thurman creek. place of use would be in sections 15 and 22 of 12n 42e. Dam inspection reports show a capacity of 112 af at 41 acre surface area. Using arc view on the 1987 napp photo the surface area is 52 acres which would be about 142 af of storage.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION STORAGE	01/01 to 12/31		142.00 AF
<u>Totals:</u>			142.00 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name DAVE CARLSON Date 10/7/2004

Reviewer _____ Date _____

DAM SUMMARY SHEET

October 13, 1995

GOLDEN LAKE
21 - 4040A

21-7144

INVENTORY _____ AF
BASIN _____ 21
DAM NUMBER _____ 4040A
FED ID NUMBER _____ ID00402
DAM NAME _____ GOLDEN LAKE
COUNTY _____ FREMONT
STREAM _____ THURMON CREEK
REGION _____ E
PURPOSE _____ R
RISK CATEGORY _____ 2
SIZE CATEGORY _____ 2
Q-Q SECTION _____ SENE
SECTION _____ 22
TOWNSHIP _____ 12N
RANGE _____ 42E
LATITUDE DEC _____ 44.3554
LONGITUDE DEC _____ 111.4785
DAM TYPE _____ EARTH
STORAGE CAPACITY _____ 112.00 ACFT
HEIGHT _____ 6.00 FT
DRAINAGE AREA _____ 5.50 SQMI
RESERVOIR AREA _____ 41.00 AC
YEAR COMPLETED _____ 1915
CREST ELEVATION _____ 6,137.00 MSL
CREST LENGTH _____ 1,000.00 FT
SPILLWAY TYPE _____ CNOVFL
SPILLWAY DEPTH _____ 4.50 FT
SPILLWAY CAPACITY _____ 39.00 CFS
OUTLET TYPE _____ RNFCNP
OUTLET SIZE _____ 48 IN
OUTLET CAPACITY _____ 95.00 CFS
IDF _____ Q500
IDF MAGNITUDE _____ 270.00 CFS
RELEASE CAPACITY _____ 134.00 CFS

CONDITION _____ FR
MAINTENANCE _____ REQUIRED
INSPECTION DATE _____ 0794 MO/YR
CERTIFICATE EXP DATE _____ 1196 MO/YR
LAST RISK EVALUATION _____ 0691 MO/YR
SURVEY DATE _____ 7/28/92 MO/DD/YR
CALL UP DATE _____ MO/DD/YR
CERT ISSUE DATE _____ 10/10/95 MO/DD/YR
INSPECTION INTERVAL _____ 2YR
PHASE 1 INSP DATE _____
OPERATION PLAN _____ N
SEISMIC ANALYSIS _____ N
RESTRICTED _____ Y
JOINT INSPECTION _____
QUAD NUMBER _____ U97
QUAD NAME _____ LAST CHANCE

DAM OWNER _____ IDAHO DEPT PARKS AND RECREATION
ADDRESS - 1 _____ C/O MERL MEWS, CHIEF
ADDRESS - 2 _____ P O BOX 83720
CITY _____ BOISE
STATE _____ ID
ZIP CODE _____ 83720
ZIP SUFFIX _____ 0065
PHONE _____ 3344199
AREA CODE _____ 208

GENERAL REMARKS :

TECHNICAL REMARKS : SPILLWAY & REL CAP ARE WITH 3.0' FB. AUX SPILLWAY IS 22" X 36" CMP WITH DEPTH = 3.9'. SPILLWAY CAP IS TOTAL FOR BOTH SPILLWAYS. WITH FLOOD ROUTING, Q100 = 200 CFS WILL PASS WITH 2.0' FB & Q500 WILL PASS WITH 1.8' FB.

RESTRICTIONS : THE SPILLWAY AND OUTLET AT THE DAM SHALL BE OPERATED IN SUCH A MANNER TO MAINTAIN A MINIMUM OF 2.5' FEET OF FREEBOARD ON THE EMBANKMENT AT ALL TIMES.

ALTERNATE CONTACTS :

DAM SAFETY HAZARD CLASSIFICATION WORKSHEET

Dam No. D21-4040A

Total Points

Class

Dam Name: GOLDEN LAKE DAM

0 to 24

Low Hazard

25 to 99

Significant

100

High Hazard

Date of Inspection: JUNE 10 & SEPT 24 1997Inspector: DCWDistance below Dam Evaluated: 2 MILESHazard Class: SIGNIFICANTDam Ht. x Surface Area = (6 FT) x (41AC) = 246 AFTerrain Characteristics: ☐ Steep ☐ Moderate ☒ Gently sloping

PART I - Briefly describe the area below the dam (geography, development, land use, etc.)

SILVER LAKE IS 1 MILE BELOW THE DAM, AS IS THE PACKS COUNTRY
COOKHOUSE. THE HENRY'S FORK IS 2 MILES BELOW.

PART II - DEVELOPMENT

	Low Density	Approx. Dist. Below Dam	Hazard Factor	Points
Residential	100	1 MILE	0.25	25
Commercial or Industrial	80	1 MILE	0.25	20
Uninhabited Buildings	20	1 MILE	0.25	5
School, Hospital, Sewer or Water Treatment Plant	100			
Subtotal				<u>50</u>

PART III - LAND USE

		Approx. Dist. Below Dam	Hazard Factor	Points
Improved cropland, Irrigated pasture, Feedlot	50			
Rangeland	30			
Recreation sites (campgrounds, parks, etc.)	30			
Subtotal				<u>1</u>

PART IV - TRANSPORTATION

		Approx. Dist. Below Dam	Hazard Factor	Points
Roads: Type				
Highway	70			
Paved	30			
Gravel	5	1 1/2 MILES	0.2	1
Dirt	0			
Railroad	30			
Subtotal				<u>1</u>

PART V - ENVIRONMENTAL AND MISCELLANEOUS

		Approx. Dist. Below Dam	Hazard Factor	Points
Scenic	20			
Fish & Wildlife	5 (50)	1-2 MILES	0.25	12.5
Other (dams, canals, power plants, etc.)	()			
Subtotal				<u>12.5</u>
Total Points				<u>62.5</u>

21-7144

HARRIMAN
558-7368

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

21-7144

RECORD OF INSPECTION OF DAM

Name of dam: GOLDEN LAKE DAM Stream: THURMAN CREEK ☐ Offstream

Name of owner: IDAHO DEPT. OF PARKS & REC. Location: SENE, SEC 22, T12N, R42E

Individuals accompanying inspector: TREASA PERRY

Reservoir characteristics: Dam height 6 FT Surface area 41 AC Storage capacity 112 AF

Hazard class: SIGNIFICANT RISK Photographs: YES

CONDITION OF EMBANKMENT OR STRUCTURE: ☐ Poor ☐ Fair ☒ Good ☐ Excellent

Type: ☒ Earth ☐ Rockfill ☐ Conc. arch ☐ Conc. gravity ☐ Timber crib ☐ Other _____

	UPSTREAM SLOPE	CREST	DOWNSTREAM SLOPE	TOE AREA
Surface cover material	SCATTERED ROCK	ROAD	NONE	
Growth	GRASS - WEEDS	NONE	GRASS - WEEDS	
Settlement or cracks	NONE	NONE	NONE	
Surface erosion	NONE	NONE	NONE	
Debris	NONE	NONE	NONE	
Animal burrows	NONE	NONE	NONE	
Crest width and slope measurements	3:1	15 FT	2:1	

CONDITION OF OUTLET WORKS: ☐ Poor ☐ Fair ☒ Good ☐ Excellent

Location: ☐ Left side ☒ Center ☐ Right side ☐ Other _____

Description and condition: HANDWHEEL ON STEM TO SLIDE GATE

Gate hoist: ☒ Manual ☐ Electric ☐ Other _____

Stem: ☐ Inclined from entrance to crest ☒ Vertical on tower at entrance
☐ Vertical through dam from crest ☐ Downstream valve

Entrance: SUBMERGED Outlet: 48 INCH R.C.P.

CONDITION OF SPILLWAY: ☐ Poor ☐ Fair ☐ Good ☒ Excellent

Location: ☐ Left abutment ☐ Right abutment ☐ Away from dam ☒ Other LEFT SIDE NEAR CENTER

Base width 18 FT Freeboard at crest 4.7 Sideslope VERTICAL Channel slope MILD Fetch _____

Overflow channel: ☒ Well defined ☐ Flow directed away from toe ☐ Flow could reach toe

Erosion control present: CONCRETE STRUCTURE Erosion present: NONE

Maintenance condition: Debris NONE Growth NONE

SEEPAGE:

Reservoir level during inspection: 4 FEET B.S.L.

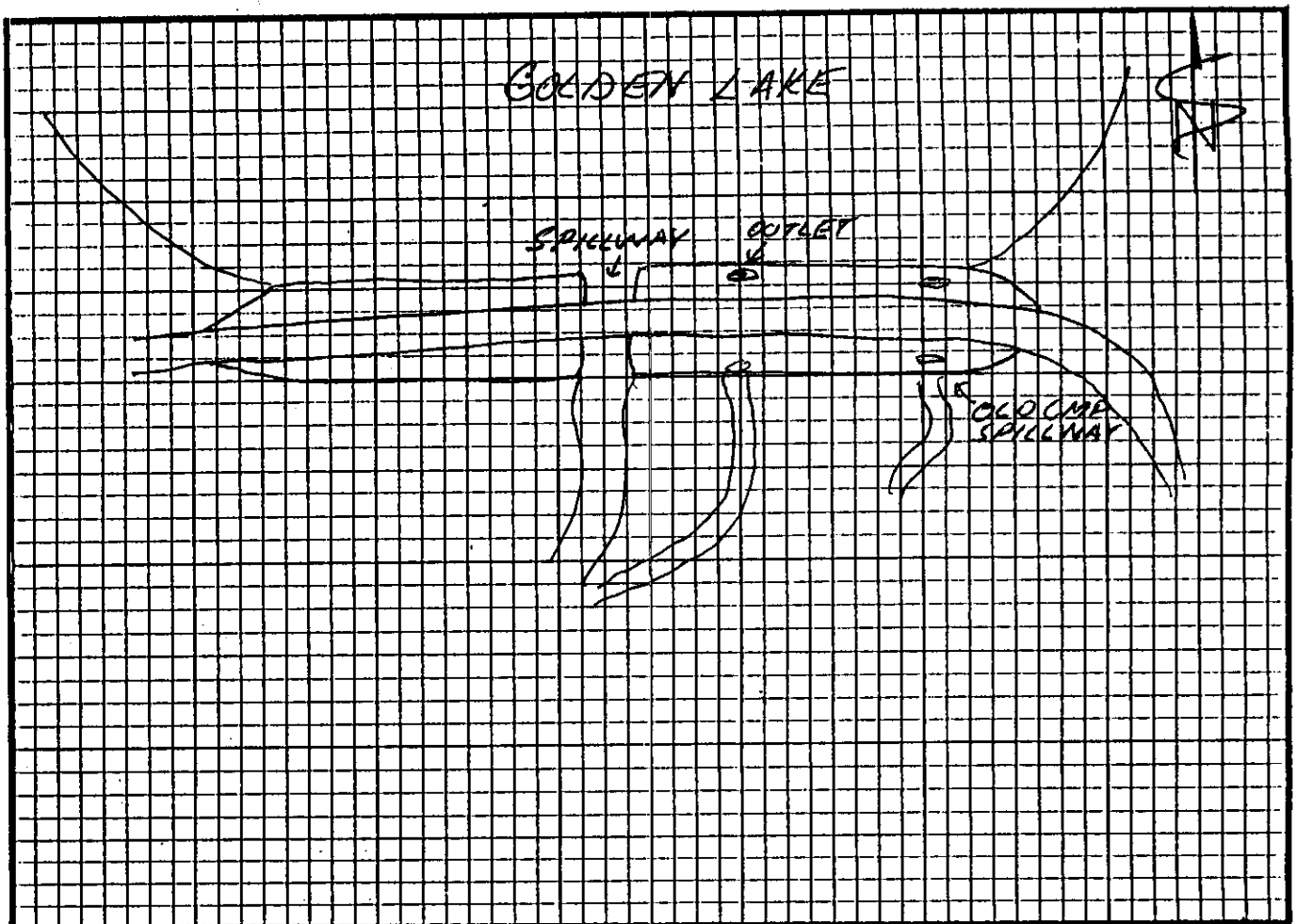
	TOE AREA	DOWNSTREAM SLOPE	ABUTMENTS	OTHER
Piping of material evident (Est. G.P.M.)	NONE	NONE	NONE	
Flowing water (Est. G.P.M.)	NONE	NONE	NONE	
Marshy or standing water	ALL ACROSS TOE AREA	NONE	NONE	
Damp		NONE	NONE	
Evident from growth present		NONE	NONE	

GENERAL CONDITION AND DESCRIPTION OF DAM: Good

INSTRUMENTATION READINGS (Piezometer, Seepage measurement, Alignment, Elevation, etc.)

NONE

SKETCH OF DAM SHOWING LOCATION OF SPILLWAY AND OUTLET WORKS AND ANY MAINTENANCE PROBLEMS:

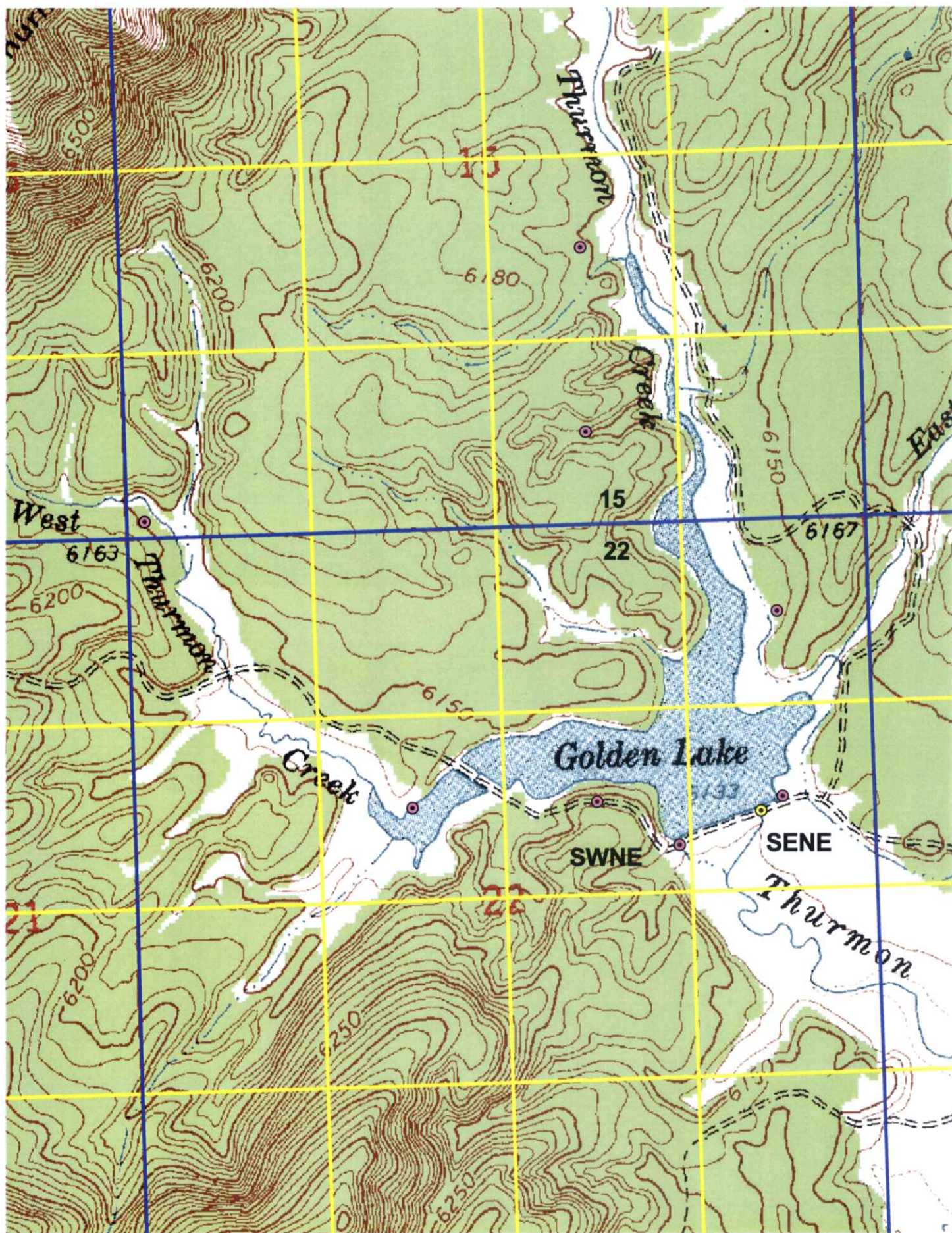


RECOMMENDATIONS: - ISSUE CERTIFICATE FOR 2 YEARS

- CONTINUE REGULAR MAINTENANCE

Date: SEPTEMBER 23, 19 99

Inspected by: LEWIS ROUNDS



21-7144



CREST OF DAM.



SPILLWAY

21-7144 Golden Lake

Golden
9/20/85