

STATE OF IDAHO  
Department of Water Resources

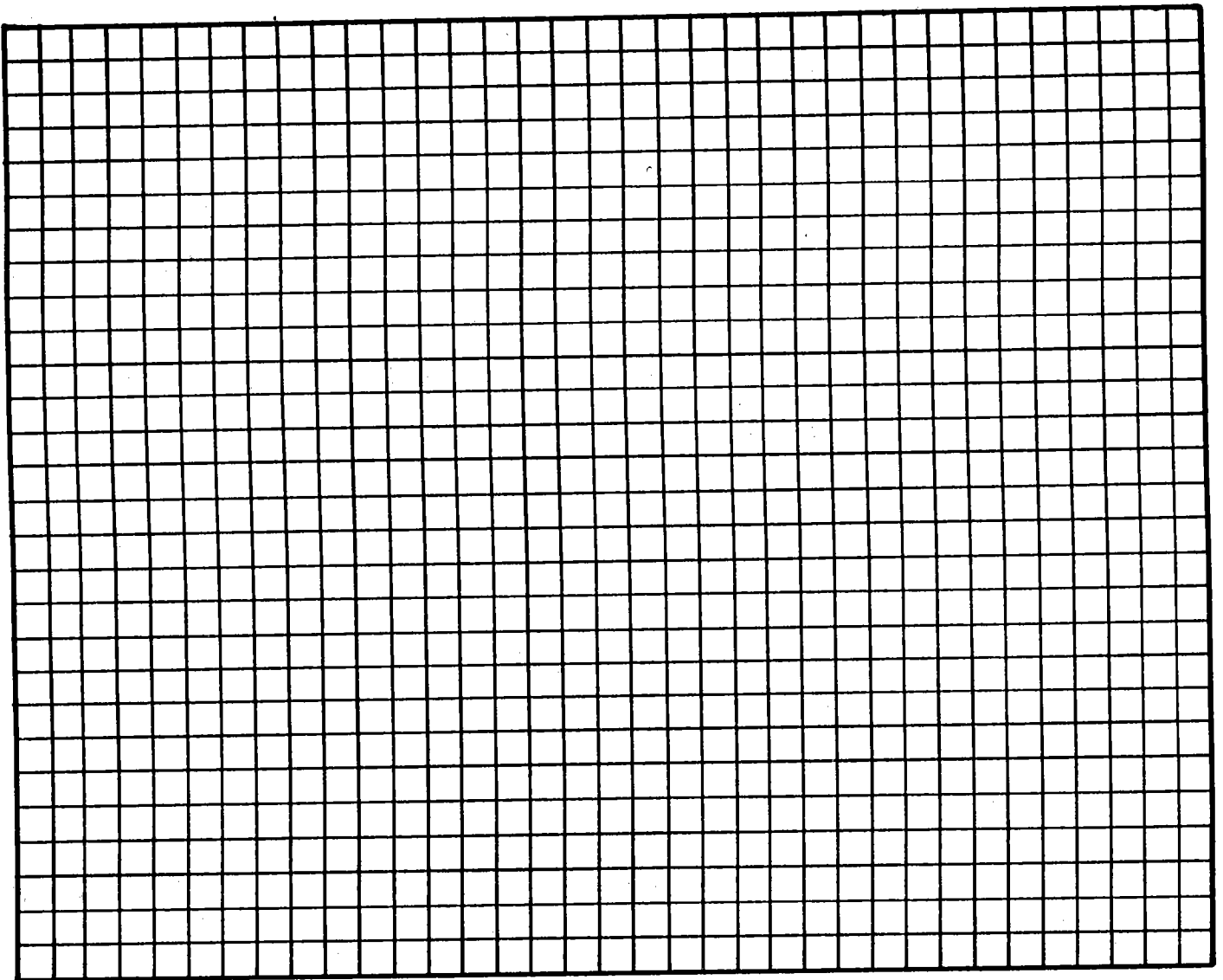
## FIELD INSPECTION REPORT

1. Date: 6/27/94 Time: 10a → 3p. Photos:  Yes  No
2. Inspection involves:  Water Rights  Dam Safety  Well Construction or Driller  
 Waste Well  Stream Channel Alteration  Water Distribution  
 Other \_\_\_\_\_
3. Reason for inspection: Measuring device & control structure inspection,  
canal losses.
4. Stream name: Sinkerck
5. Stream characteristics: \_\_\_\_\_
6. Stream width: \_\_\_\_\_ Depth: \_\_\_\_\_ Gradient: \_\_\_\_\_ Q: 1.24 est. \_\_\_\_\_  
 meas.  above Res.
7. Location: \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4, Sec. \_\_\_\_\_, Twp. \_\_\_\_\_, Rge. \_\_\_\_\_, County Owyhee  
 Landmark: Hulet Dam
8. Person(s) contacted: Paul Nettleton, Jay Hulet, Mary Blackstock
9. Dam name: Hulet Dam #1 Spilling:  No  Yes Q \_\_\_\_\_  
 Outlet open:  No  Yes Q 13.45 Spillway open:  Yes  Fibrd  Gate open  
 Freeboard: Spillway \_\_\_\_\_ Crest \_\_\_\_\_ Res. stage:  Rising  Falling 24 AF/day Rate
10. Area characteristics: \_\_\_\_\_
11. Weather conditions: Hot
12. Describe activity/conditions inspected: Polysomic measure on Nettleton GW  
relief; inspection of upper & lower MMC weirs
13. Are all requirements being met?  Yes  No some devices not  
 If not, check type violated:  Statutory  Rules & Regs in place (Nettleton)  Permit
14. Describe impact on others: Minimal as long as those diversions which  
do not have adequate control/measurement are not used.
15. Describe alternatives: No flows delivered until all work completed -  
not realistic because not all diversions req'd. Not  
enough <sup>live</sup> flow to travel very far down canal.

16. Remarks Watermaster given verbal instructions to use about 50% loss factor on all diversions until more info available. See field notes

17. Followup Necessary:  Yes  No Describe: Letter, Supporting info to watermaster & interested parties.

18. Sketch: Include direction, important dimensions, photo locations, landmark or reference point



19. Action taken at time of inspection: Locked inlet gatehouse, set discharge to canal at 13.75 cfs. Paul Nettleton's pumps from MMC shut down because not enough Surker inflow to cover ~~the~~ withdrawals.

20. Signed: Cylodges

21. Follow up action: Date: \_\_\_\_\_ Additional Memo Prepared:  Yes  No

Describe: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

22. Signed: \_\_\_\_\_

OUTER DIAMETER  
10.7823 IN

PIPE MATERIAL  
? PUC

WALL THICKNESS  
0.3460 IN

INNER LINING  
? NO LING.

KIND OF FLUID  
? WATER

SENSOR MOUNTING  
? U

TYPE OF SENSOR  
? SMALL

DATA CHANGE  
? NO

SPACING  
8.113 IN U

ZERO MODE  
AUT ZERO

ZERO MODE  
ZERO OPR

00-00 00:1900 \*R  
+ 1.244E 3GPM

00-00 00:1900 \*R  
+ 1.264E 3GPM

00-00 00:2000 \*R  
+ 1.223E 3GPM

00-00 00:2300 \*R  
+ 1.104E 3GPM

00-00 00:2400 \*R  
+804.404E 0GPM

00-00 00:2500 \*R  
+687.639E 0GPM

00-00 00:2500 \*R  
+156.918E 0GPM

10/27/94  
Nettefson Relief Station to NMC

10:55  
full recovery  
13:00

@ 1st

@ 1-3

@ 1st

@ 1st

6/27/94 Nettleton Relief Station

1000 w/Paul  
Polysonic  
measure

33 7/8" OD  
= 10.7823"

$$\begin{array}{r} .875 \\ 8 \overline{) 70} \\ \underline{64} \\ 60 \\ \underline{56} \\ 4 \end{array}$$

33.875" PVC  
.346" wall

Discussion w/Paul:

w/o water in MMC - relief has been running wide open 6 hrs morning + 6 hrs night

will supply 3 lines on little pump for 24 hrs w/ no spill (~80 heads @ 4 gpm = 320 gpm)

$1300 \div 2 = 650 \text{ gpm} - 320 = 330 \text{ gpm} \approx 50\% \text{ loss}$

Photo #4 - Site of transducer location - only about 5' from valve but steady R reading obtained

1200 MMC outlet 4.68' on Staff = ~~4.35~~?  
w/Mary creek 5.46 " " .54 cfs  
on-site inflow .115 = 1.24 cfs

$$\begin{array}{r} 12.35 \\ 12.35 \\ \underline{12.35} \\ 0.00 \\ \underline{0.00} \\ 0.00 \\ \underline{0.00} \\ 0.00 \end{array}$$

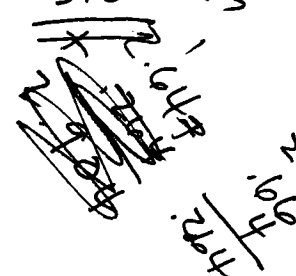
Weir OK - new plastic seal - looks unblemished. at very low flows, approx 1/2 - 1" difference in head.

cancel off from 12:30 - 12:45 (approx) to check seal.

6/27

1400 w/ Jay

Lower MMC near highway (new weir)  
8' weir, = 34' head = 5.28 cfs 5.27 = Cones



Paul turned off all pumps  
~ 2:30pm

1500

MMC head ↓ my measure: 4.66' Staff = 13.45  
(per Jay) off Blade, = 55' = 13.45 cfs (Cones)  
7" @ 1' 1.33  
Staff 4.68

5.41 + 6  
7.98 7.98

old zero = 4.02 + 0.09 = 4.11  
4.68 - 0.05 = 4.63  
3.95  
= 55'

6/27  
9:00 pm  
phone call

Paul turning on relief + small pump  
3.0 cfs in → 1.7 cfs out

6/28  
8:45 am

4 3/4" lower weir 7:00 pm (Jay's reading)

or .39'

Jim plans on raising weir  
today or last night

phone call = 6.48 cfs

6.46 = cones

~~Rate to~~

9:10 am loss calculations based on above measure:

~~12.39~~ ~~13.45~~ ~~1.06~~ in

6.46 / 13.45

6.48 out bottom 52% of total  
52.48% loss

WD 570  
Sinker CK

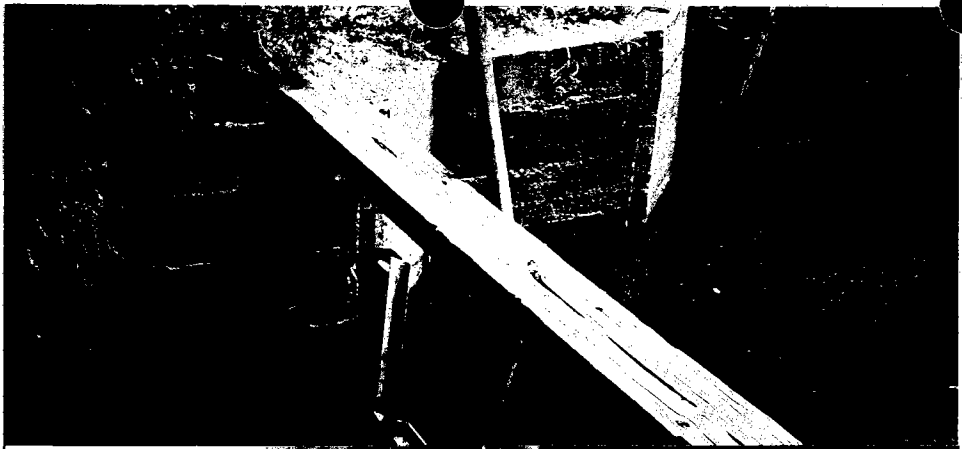


Site of Polysonic  
measure  
Netleton GW relief  
Station.



Lower MMC weir, 8',  
at Jim Daugherty's

NO 510  
Sinker Creek



Head of canal.  
Weir Seal check  
Right edge (downstream)



Head of canal  
Weir Seal check  
Left edge (downstream)



Weir under operation  
13.45 cfs.



Staff gage  
approx 4.66'

6 27 '94