

6/30/95

Nahas - M.D. = OK

C.W. = inlet structure

Using a board as a

slide gate = OK

lockable = NO

Spill to creek .36', 6' dam board

= 4.24 cfs

diversion = 1.85 cfs

Nettleton

# 3 (18) 3 M.D. = 2' rect weir .26'  
plus data  
condition Satisfactory Not quite level  
Lower Southside C.W. = NONE

↓  
low data

# 3 (10) M.D. = 2' rect weir .22'  
Condition = marginal  
C.W. = NONE filtered downstream but  
not leaking. good level

# 3 (11) all illegal diversion, not being used

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#4

M.D = 4' rect weir

Condition Satisfactory

CN = 4' <sup>(check)</sup> diversion box to creek

channel cutout - ~~at~~

Condition ~~is~~ ~~quite complete but is~~ ~~satisfactory~~ ~~uses~~  
Satisfactory (uses  
check boards - OK.)

MMC - a point on Staff (new)

left (dam) side @ 4.22

right (creek) side @ 4.16

.06

Avg  $\phi$  = 4.19

+ ~~5.24~~  
~~5.24~~

<sup>2</sup>  
5.24

4.19

1.25

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#~~3~~ (Southside)

M.D = 3' Cipp weir (NEW) .19

fair - needs to be dug  
out upstream fr. blade

CW - None

#~~4~~<sup>5</sup> (northside)

M.D = 3' Cipp weir (NEW) .27

marginal leaning downstream

Needs dug behind

CW - None found - good  
off. just upstr. fr.  
weir

#7 MD = old 2' rectan. weir

condition unsatisfactory -

leaking, not level, submerged

CW - None - suggest moving  
to closer to road? ~~#8~~

could put works there @

cutout - No meas attempted

#8 2' Reg weir .24 M.D

condition good - leaking  
slightly around 1 side

CW - None

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES

Water Right No.  
(if applicable)

Open Channel Discharge Measurement Notes

A. GENERAL INFORMATION

1. Name of stream or ditch: Sinker Creek
2. Location: above res. 100 yds above ex. weir site
3. Person conducting measurement: EH
4. Date and time of measurement: 6-30-95 1230
5. Accompanied by: Mary B
6. Measuring device size and ID no.: \_\_\_\_\_
7. Spin test before measurement OK? YES after measurement OK? \_\_\_\_\_
8. Purpose of measurement: Inflow to Hulet Res

B. MEASUREMENT DATA

Angle co-efficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY		Adjusted for hor. angle or	Area	Discharge
							At point	Mean in vertical			
	<u>REN=3.0</u>										
	<u>1</u>	<u>1.5</u>	<u>.6</u>		<u>34</u>	<u>40</u>		<u>.85</u>			<u>.765</u>
	<u>2</u>	<u>1</u>	<u>.8</u>		<u>46</u>	<u>40</u>		<u>1.15</u>			<u>.92</u>
	<u>3</u>	<u>1</u>	<u>.8</u>		<u>44</u>	<u>40</u>		<u>1.1</u>			<u>1.35</u>
	<u>4</u>	<u>1</u>	<u>.9</u>		<u>46</u>	<u>40</u>		<u>1.5</u>			<u>1.38</u>
	<u>5</u>	<u>1</u>	<u>.9</u>		<u>51</u>	<u>40</u>		<u>1.3</u>			<u>1.17</u>
	<u>6</u>	<u>1</u>	<u>.9</u>		<u>50</u>	<u>40</u>		<u>1.3</u>			<u>1.17</u>
	<u>7</u>	<u>1</u>	<u>1.0</u>		<u>56</u>	<u>40</u>		<u>1.4</u>			<u>1.4</u>
	<u>8</u>	<u>1</u>	<u>1.0</u>		<u>44</u>	<u>40</u>		<u>1.1</u>			<u>1.21</u>
	<u>9</u>	<u>1</u>	<u>1.0</u>		<u>58</u>	<u>40</u>		<u>1.5</u>			<u>1.65</u>
	<u>10</u>	<u>1</u>	<u>1.0</u>		<u>54</u>	<u>40</u>		<u>1.4</u>			<u>1.54</u>
	<u>11</u>	<u>1</u>	<u>1.1</u>		<u>57</u>	<u>40</u>		<u>1.4</u>			<u>1.54</u>
	<u>12</u>	<u>1</u>	<u>1.0</u>		<u>36</u>	<u>40</u>		<u>0.9</u>			<u>.9</u>
	<u>13</u>	<u>1</u>	<u>1.0</u>		<u>41</u>	<u>40</u>		<u>1.0</u>			<u>.49</u>
	<u>14</u>	<u>1</u>	<u>.7</u>		<u>28</u>	<u>40</u>		<u>0.7</u>			<u>.225</u>
	<u>15</u>	<u>1.25</u>	<u>.6</u>		<u>12</u>	<u>40</u>		<u>0.3</u>			
	<u>end</u>	<u>15 1/2</u>									<u>15.68</u>