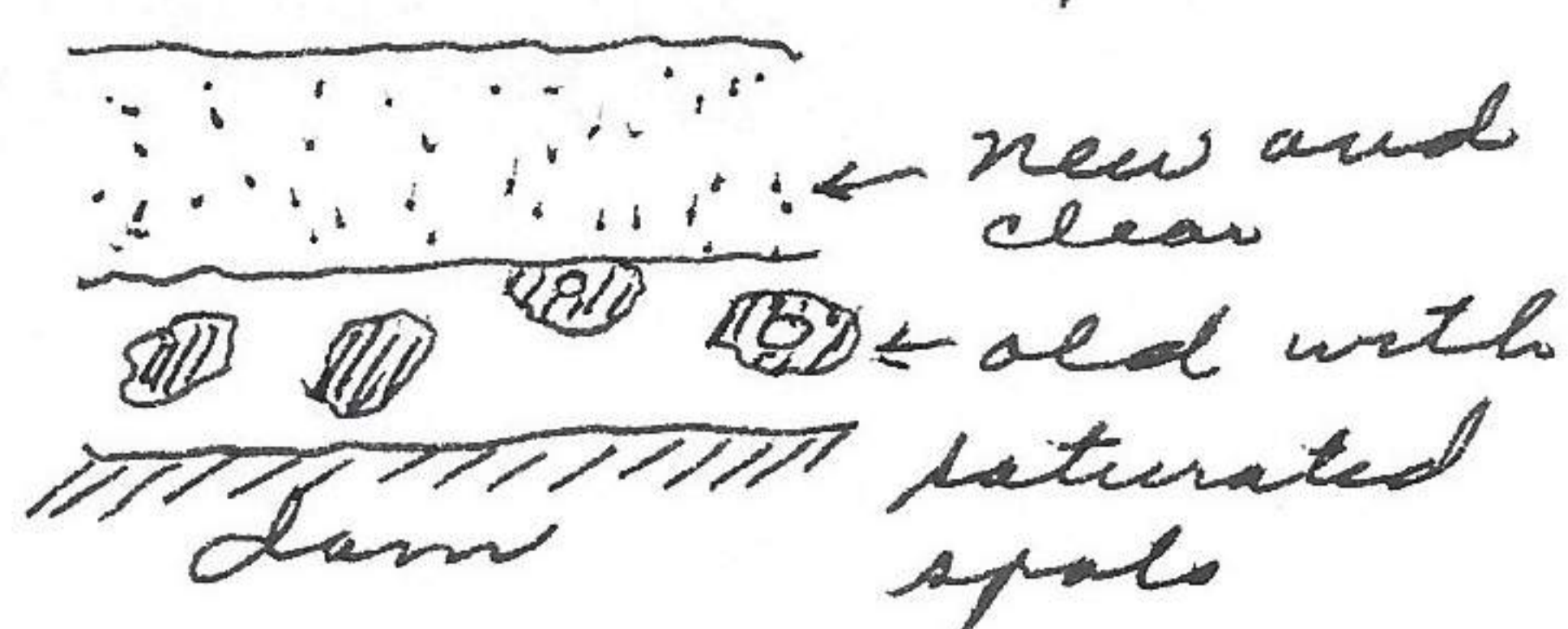


headquarters 40 tree sparrows, 25 juncos, 8 cardinals. Ice along
dam out to 60-80 feet. Wind from
NW. Delaware River frozen below
dam. 33.6 W end dam. at 4:45 P.M.



all
← open
← new and
clear
← old with
saturated
spals
Dam

mallards started to arrive at reservoir
and they came from S, most of them
flying approx. 250-400 feet above dam. They glided N and
finally alighted in center of lake among a raft of ducks already
in lake. From 4:50 to 5:20 these ducks (mallards) arrived
at a rate of 100 per 10 seconds with maximum numbers at approx.
5:05 P.M. The numbers were almost continuous and ranged from
single birds to flocks (V formations) of 2-4 thousand birds. It
is estimated that 18,000 mallards flew over dam from the S
and alighted in the lake, all gliding into wind. These ducks
could have been moving in from the Kaw drainage or from
the distant S. A few single mallards just cleared dam and
were those that appeared to be injured and demonstrated this
fact in their flight. At 5:06 93 Canada geese flew over
dam and alighted in same area. Both ducks and geese
moved over dam at about the position of the outlet. Several
small groups of birds, juncos and starting, fly up over dam
and then momentarily deviate their flight before moving W toward
land. The raft of mallards (from my position at 200 feet east
of the west end of dam) is equivalent to the height of the
deciduous forests on the ridge to NE and extending from
1/2 way down ridge (from Gap Point to end of ridge to S) to about
a point intersecting the main promontory to N or W side. Even
as late as 5:20 large groups of up to 300-500 mallards were arriving
from the S. Flight stopped at 5:25 and at 5:30 too dark for
good vision but still a single or two could be seen moving N.
Visibility to Gap Point but Olive Branch Point indis-
tinguishable because of light snow in area. All observat-
ions from W end of dam. This will include end of
census. I would estimate that at 5:30 there were 30,000
mallards in lake N of dam and principally in one linear raft.
Arrived Lawrence 6:10 P.M. Temp 24°F.

Perry Reservoir, Jefferson Co., Kansas
Jan 2, 1970

Annette P and I checked ducks on Perry Reservoir, especially the
late afternoon movement of mallards and geese. Arrived at the
west end of dam at 4:55 P.M. and made several observations before twilight.