

R-Y Ranch
P.O. Box 422
Grenada, Ca. 96038

June 20, 2003

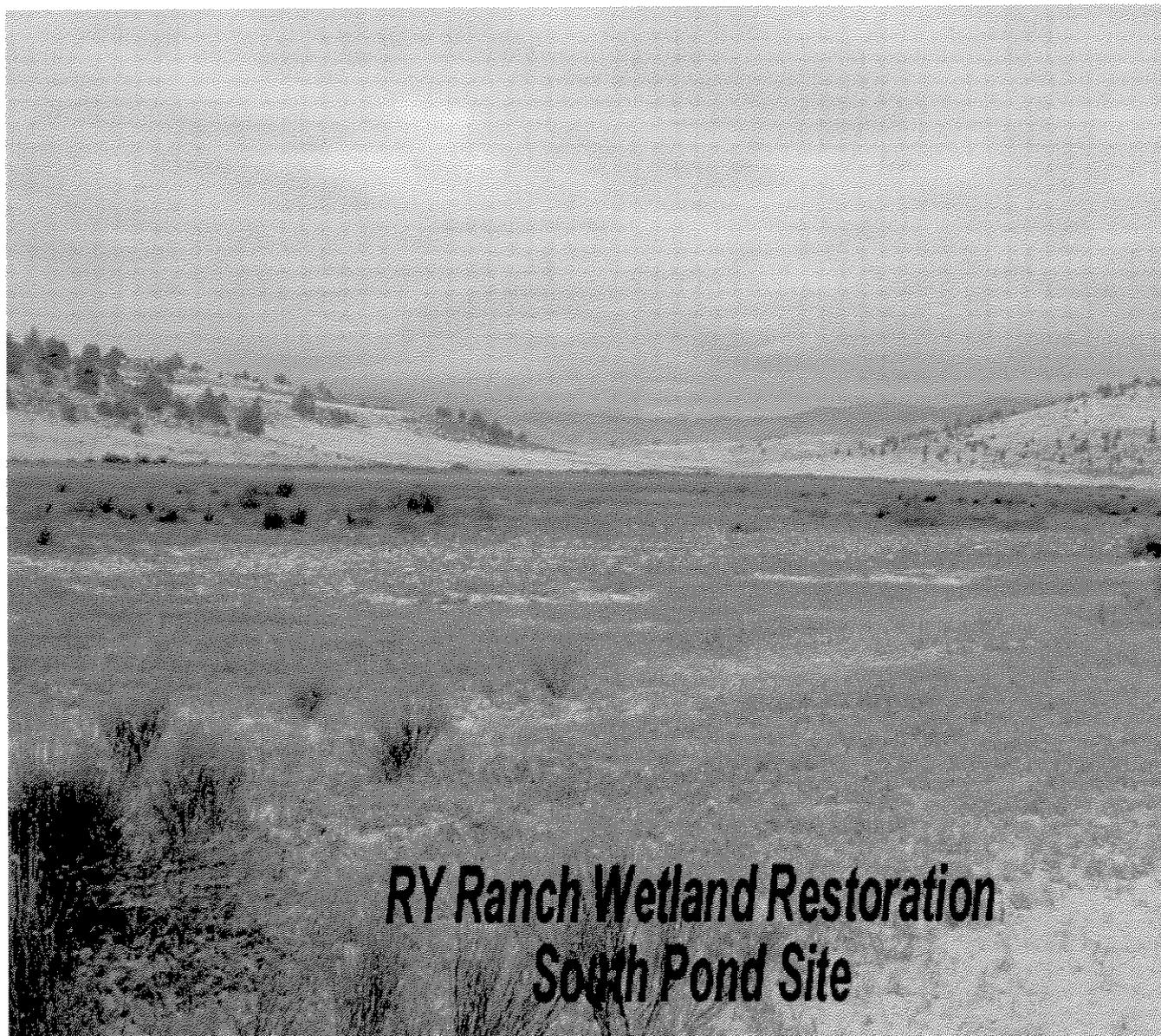
R-Y RANCH WETLAND/UPLAND RESTORATION

Approximately 80 acres of historic wetland and upland habitat has been restored and enhanced on the R-Y Ranch. Three shallow wetland areas contain approximately 35 acres of seasonal and 15 acres of permanent wetland habitat. The restoration has achieved both capital improvements and active management. Three small levees, with a maximum height of 5 feet in the low areas, have been constructed to pond water, and have at least 5:1 side slopes. Water depths vary from 3.5 feet at the levee to 2 inches at the top of the units. Average water depth is 12 inches. Additionally, flashboard risers have been installed in each levee to manage water levels within the wetland units. The Material for the levees was taken from the creation of swales (underwater channels), which are used to manage water and add diversity in water depths. The spoils are used to create islands (above-water level) and loafing berms (under-water islands) that further add diversity and provide resting and foraging areas for many species of wildlife. Approximately 11,625 feet of fencing has been constructed around the 80 acre complex and is used to exclude cattle from the area for 10 years. The wetland area will flood naturally from seasonal precipitation and is supplied with tail water from our tail water return system. A 12 inch pipeline (200 feet) has been installed to facilitate delivery of water from the tail water return system to the restored wetland complex. Our wetland/upland restoration project has proven itself a success by the large number of shore birds and water fowl using its waters and uplands during the construction and after the completion.

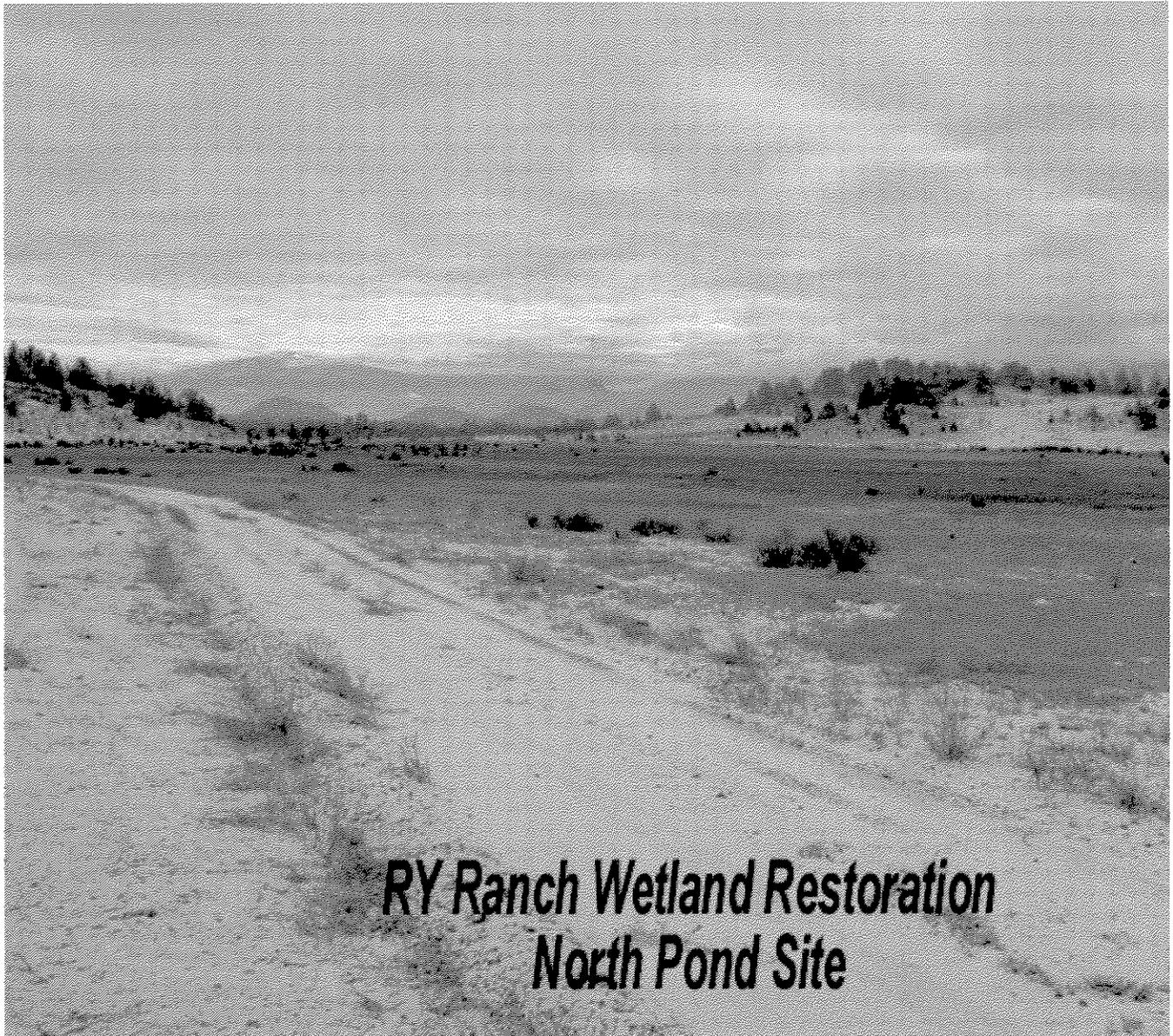
Becky Chase

From: <Brie_Darr@r1.fws.gov>
To: <ryranch@inreach.com>; <rick_maher@calwaterfowl.org>
Sent: Thursday, June 19, 2003 2:44 PM
Attach: RY South Pond.jpg; RY south pond after.jpg; RY south after.jpg; RY North Pond.jpg; north 1 after.jpg
Subject: #2

(See attached file: RY South Pond.jpg)(See attached file: RY south pond after.jpg)(See attached file: RY south after.jpg)(See attached file: RY North Pond.jpg)(See attached file: north 1 after.jpg)







Becky Chase

From: <Brie_Darr@r1.fws.gov>
To: <ryranch@inreach.com>; <rick_maher@calwaterfowl.org>
Sent: Thursday, June 19, 2003 2:45 PM
Attach: RY 1 after.jpg; RY 2 after.jpg; RY 3 after.jpg
Subject: #3 and final

(See attached file: RY 1 after.jpg)(See attached file: RY 2 after.jpg)(See attached file: RY 3 after.jpg)

