

A PORTION OF "NORTH FORK JOHN DAY WILDERNESS SURVEY"
 "BALDY CREEK UNIT"

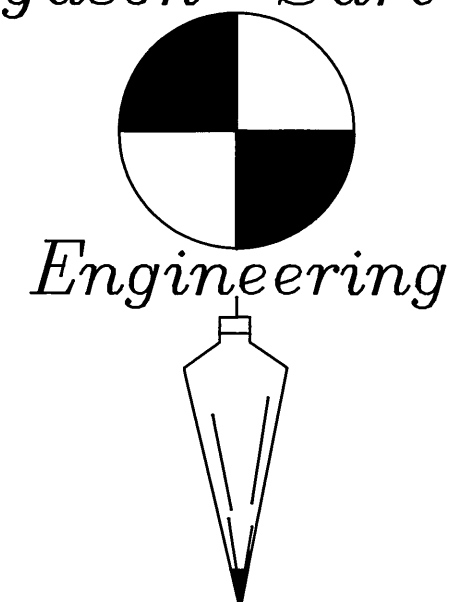
LOCATION OF THE BOUNDARY OF
 CONGRESSIONALLY DESIGNATED LANDS,
 NORTH FORK JOHN DAY WILDERNESS,
 BALDY CREEK UNIT.

Survey by: Douglas M. Ferguson, P.L.S. 848
 D. Mitchell Ferguson, Surv. Tech.
 Rick Saul, Surv. Tech.
 Reviewed by: Susan E. Nowstetter, P.L.S. 2405
 Drawn by: Kenneth H. Delano Jr., L.S.I.T. 1273
 For: U.S.F.S. Forest Service
 Wallowa-Whitman National Forest

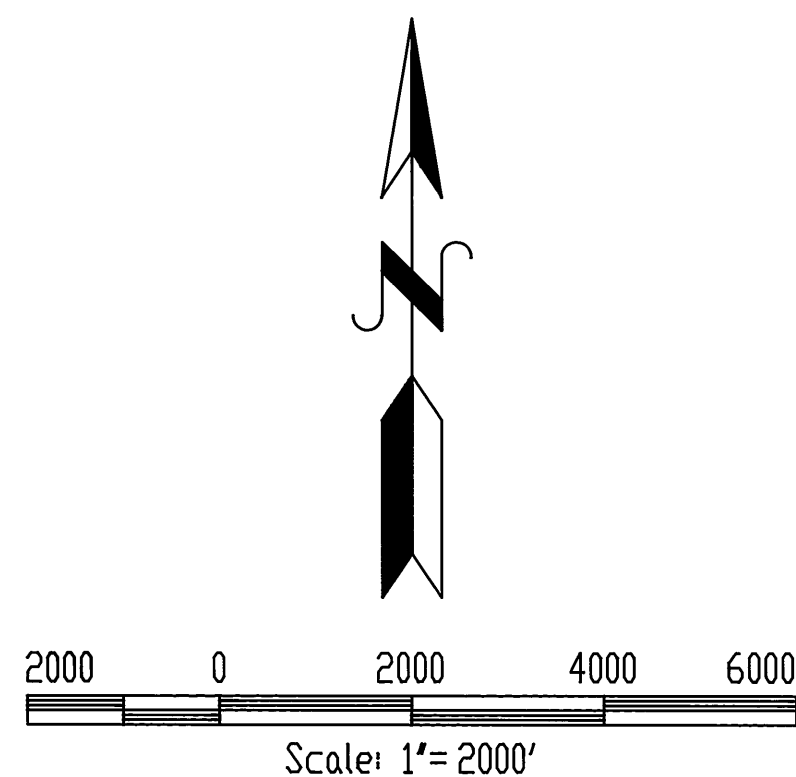
INDEX

- SHEET 1: COVER, VICINITY MAP & NARRATIVE
- SHEET 2: "CRAWFISH LAKE" PORTION OF SURVEY
- SHEET 3: "CRACKER CREEK" PORTION OF SURVEY

Ferguson Surveying



MT. VERNON, OREGON
 PHONE (503)932-4520
 FAX (503)932-4430



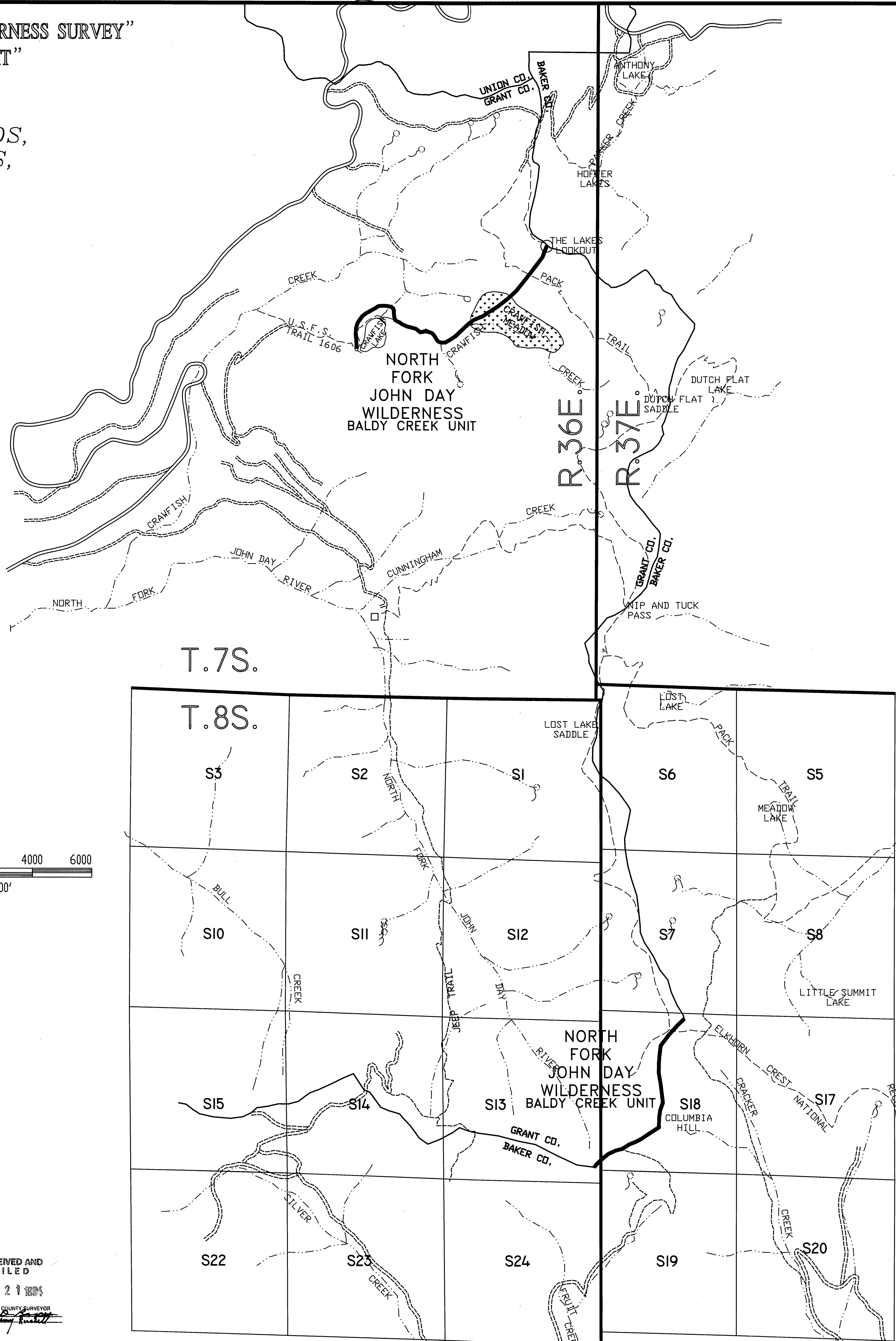
REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

OREGON
 JULY 12, 1988
 DOUGLAS M. FERGUSON
 848

RECEIVED AND
 FILED

JAN 21 1993

OFFICE OF COUNTY SURVEYOR
 WASHINGTON COUNTY, OREGON



NARRATIVE

This survey was performed under contract for the Wallowa-Whitman National Forest for the purpose of delineating North Fork John Day Wilderness Congressionally Designated Lands from National Forest System Lands. This project was located in the following areas:

In unsurveyed T.7S., R.36E., W.M., Sections 23 and 24
 T.8S., R.36E., W.M., Section 13
 T.8S., R.37E., W.M., Section 18

To properly identify the boundaries in this contract the intent of the Legal Description for these Congressional Designated Lands that were entered into the National Wilderness Preservation System by the Act of June 26, 1984 was closely reviewed and analyzed.

On the front of the legal description provided by the Wallowa-Whitman National Forest was a definition of intent of the legal description. The portion of the boundary that we were contracted to survey consisted of metes and bounds courses to points that were identified by topographically calls. In reviewing the intent of description I held to the following pertinent elements to this survey.

The legal description of the Baldy Creek Unit of The North Fork John Day Wilderness is as shown on the map dated September 1986 on file in the office of the Chief of the USDA Forest Service and as generally described in Public Law 98-328. The approximate courses of the map boundaries are identified in the following legal description. Where the boundary is described as following a topographical feature, the actual location of the feature will control the approximate course identifying that part of said boundary. Unless specified in the description, calls to a stream shall be to the thread and calls to a ridge shall be to the crest.

After completing my analysis of the legal description provided by the Wallowa-Whitman National Forest and the control survey for each portion of the project I made the following decisions:

For that portion of the project which on this map of survey is referred to as "Cracker Creek" the legal description calls the topography clearly. I determined Point 251 described as "A point of intersection of the summit ridge of the Elkhorn Range and the divide ridge between the North Fork John Day River and Cracker Creek drainage, approximate elevation 7,780 feet" and then followed the description "Southerly along said divide ridge to Point 290. All courses shown on this map of survey are based on true bearings as determined by solar observation, along the crest of said ridge. As requested by the Forest I also monumented an intermediate point (Point 263) on the divide ridge, between points 251 and 277 which are also identified by topography calls. The courses have been posted with either Wilderness Boundary Signs (27.6a) on steel posts or trees and in addition hacks and blazes (not painted) were placed where appropriate.

For that portion of the project which on this map of survey is referred to as "Crawfish Lake", the legal description was a bit more complicated to fit on the ground. Those points that were specifically defined in the legal description by topographical calls (Points 1070, 1080, 1084, 1090, 1105 and 11) were first determined. Control survey was then completed and an analysis of the legal description courses vs. the physical location of the above points was conducted. After a very thorough analysis, it was decided to use a Grant Boundary Adjustment to place the boundary on the ground. The exception being points 1091 thru 1104, which were placed by description, "Ascending the inlet stream, Crawfish Lake", between point 1090 and point 1105. As requested by Forest, I also monumented intermediate points 1111 and 1118 along the boundary. The courses have been posted with Wilderness Boundary Signs (27.6a) on steel posts or on trees and in addition, hacks and blazes (not painted) were placed where appropriate. All courses shown on this map of survey are true bearings based on solar observations.

Positional control for this survey is provided by a closed traverse network. A Wild TC1600 total station was used to obtain measurements and field notes from the survey control. An IBM Compatible 486 computer utilizing Wildsoft software was used to perform the computations and the Map was prepared utilizing AutoCad v. 12. The basis of bearing was determined by solar observation to determine a true meridian through the center of the project areas. Field notes and computations are on file in the office of Ferguson Surveying and Engineering, Mt. Vernon, Oregon 97865.

I, Douglas M. Ferguson, Registered Professional Land Surveyor, in the State of Oregon, hereby certify that this Map, notes and records hereon or reference, are a correct representation of the survey I performed during the months of October 1991 - September 1992 for the U.S. Forest Service in accordance with the Statutes of the State of Oregon and the articles of my Contract Number 53-04M3-1-0152.

DOUGLAS M. FERGUSON, PLS 848
 President, Ferguson Surveying and Engineering

GRANT COUNTY MAP of SURVEY NO. 1238

EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE
 THIS 8th DAY of November, 1993

SIGNATURE *Jasper M. Sams*
 C.O.R.

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE
 REQUEST OF THE WALLOWA-WHITMAN NATIONAL FOREST

SIGNATURE *D.M. Ferguson* DATE 11/16/93
 FOREST SUPERVISOR