



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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TECHNICAL FIELD VISIT

Date : March 11, 1997

Time: 10:00 a.m. to 12:30 p.m.

Mine: Hiawatha Mine *oil #5*

File Number: ACT/007/001

DOGM Staff: Robert Davidson & Susan White

Other Attendees: K.C. Jones, U.S. Fuel Company

Purpose:

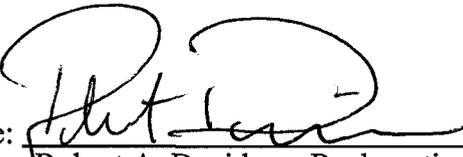
- Observe topsoiling activities and measure topsoil depth placement on Pond #5.

Observations:

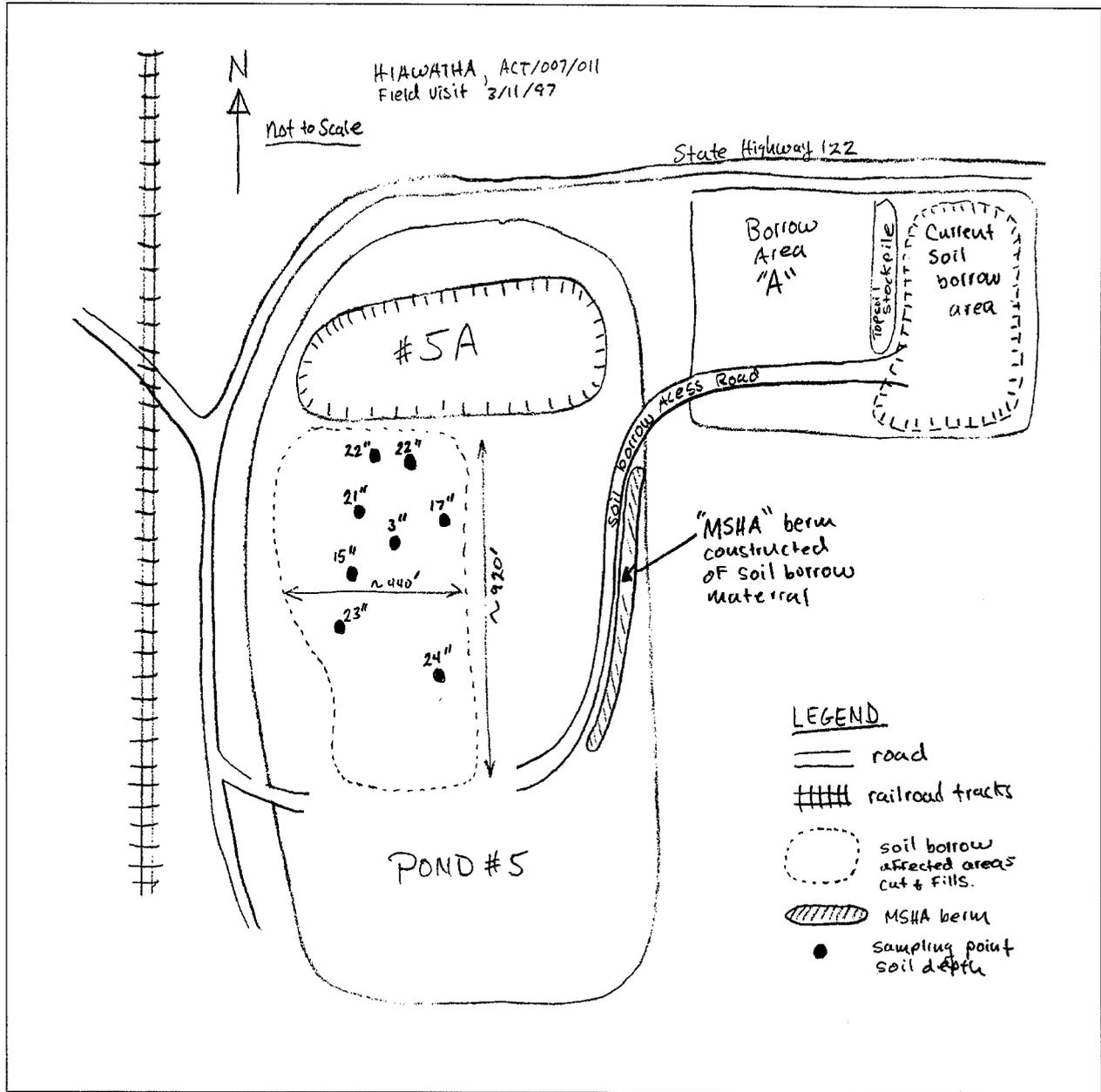
- Topsoiling of Pond #5 is in process with borrow-soil having been placed and graded on the upper western edge and central portions south of #5A.
- Borrow soil was used to construct an MSHA berm for the soil-borrow access road on Pond #5. Discussion in the field concluded that soil-borrow material will not be used as constructed fills.
- Soil-borrow operations from Borrow Area "A" are proceeding with subsoil being excavated and hauled to Pond #5. The current affected soil-borrow area is in the lower and eastern most sections of the soil-borrow site.
- No seeding of the placed soil has occurred to date.
- Sampled the soiled surface for soil placement depth at eight random locations (see map sketch). Average soil depth is 19.5 inches.
- The soiled surface area was measured by tape and approximated at 9.3 acres. Based on average soil depth and acreage, approximately 24,380 cubic yards of soil have been hauled and placed on Pond #5.
- K. C. Jones will collect two composite samples for N-P-K tests and fertilizer recommendations. The two soil samples will be collected from the Pond #5's soil surface and from the current disturbed borrow area.
- Final grade on Pond #5 does not appear to be constructed according to the approved plan. It is unclear if the placed soil resource is in jeopardy.

Recommendations/Conclusions:

- After soil test N-P-K results are received, determine fertilizer needs. Seed and fertilize the soil surface.

Signature: 
Robert A. Davidson, Reclamation Specialist III (Soils)

on March 24, 1997



Map Sketch: Field sketch of Hiawatha Mine's Pond #5 and Soil Borrow Area "A" as seen on 3/11/97 field visit.