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January 11, 2011

RECEIVED
JAN 12 2011
DEPARTMENT OF
WATER RESOURCES

Carter Fritschle
Idaho Department of Water Resources
P.O. Box 83720
Boise, Idaho 83720-0098

Re: Snake River Basin Adjudication ("SRBA") Subcase Nos. 77-4089 and 77-4219,

Dear Carter:

In connection with the irrigated acreage and duty of water determinations for the above-referenced SRBA Subcases, I enclose copies of the following documents for your consideration:

1. NRCS Soil Map - Idaho County Area, Idaho, Western Part (Walters) (3 pages);
2. NRCS - Map Unit Description - Bower very gravelly loam, 40 to 90 percent slopes (1 page);
3. NRCS - Map Unit Description - Chard sandy loam, 12 to 25 percent slopes (1 page);
4. NRCS - Map Unit Description - Oland silt loam, 40 to 90 percent slopes (1 page);
5. Mainline Locations, Sizes and Elevations Map prepared by Ken Walters; and
6. Corrected Irrigated Acreage Map prepared by Ken Walters.

Please let us know if you need any additional information concerning these matters. If you have any questions, you may contact Ken Walters directly (or leave a message for him to call you) at telephone number 208-628-3803. Thank you.

Sincerely,

HOFSTETTER LAW OFFICE, LLC


Dana L. Hofstetter

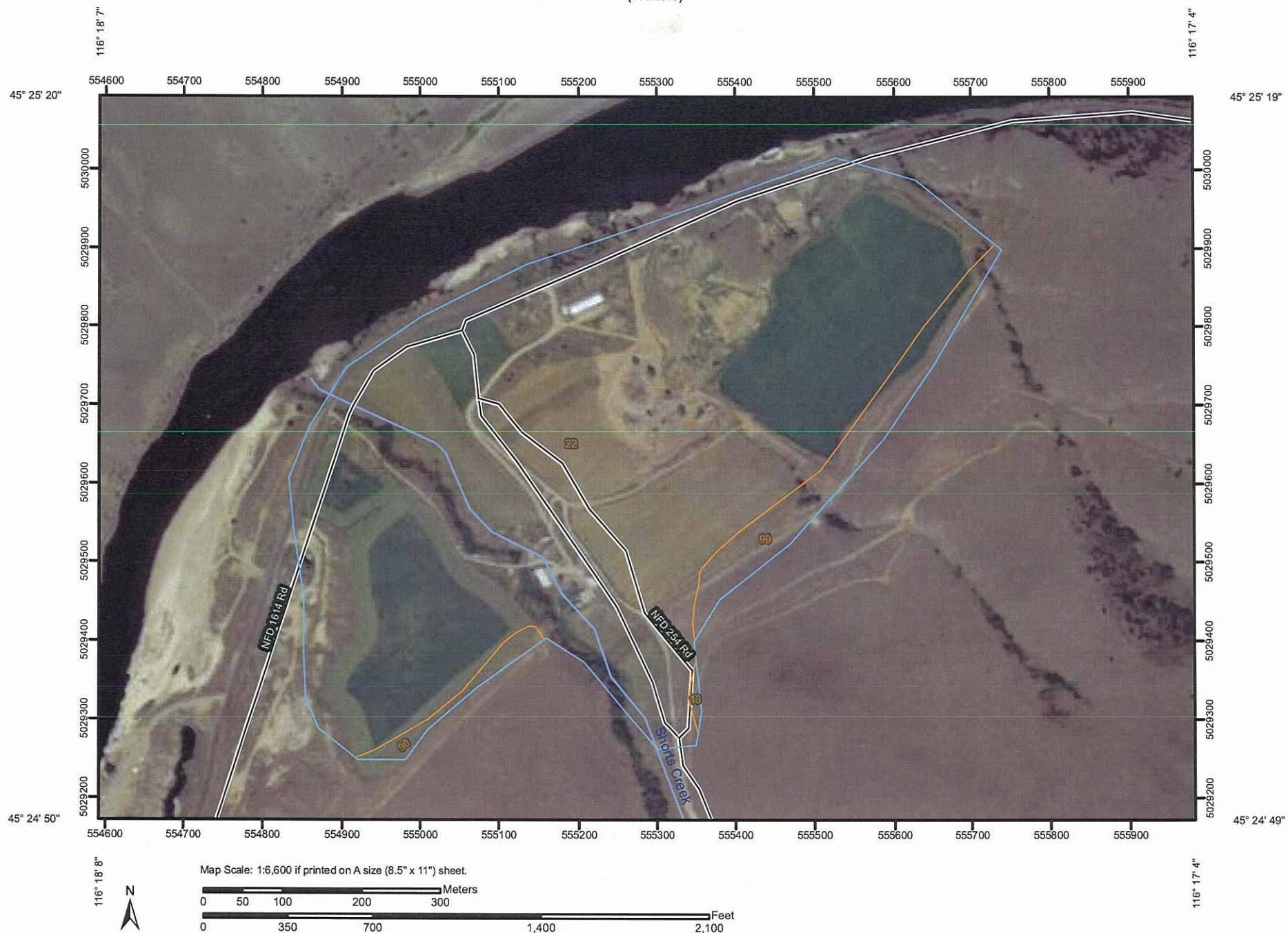
Enclosures

cc: Chris Bromley, Esq. w/ encls.

Ken Walters w/out encls.

4071.1/9584

Soil Map—Idaho County Area, Idaho, Western Part (Walters)



Soil Map—Idaho County Area, Idaho, Western Part
(Walters)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Units

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot

 Very Stony Spot

 Wet Spot

 Other

Special Line Features

-  Gully
-  Short Steep Slope
-  Other

Political Features

 Cities

Water Features

-  Oceans
-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

MAP INFORMATION

Map Scale: 1:6,600 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 11N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Idaho County Area, Idaho, Western Part
Survey Area Data: Version 7, Aug 26, 2010

Date(s) aerial images were photographed: 7/21/2004

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Idaho County Area, Idaho, Western Part (ID617)			
Map Unit Symbol	Map Unit Name	Acres In AOI	Percent of AOI
13	Brower very gravelly loam, 40 to 90 percent slopes	0.2	0.2%
22	Chard sandy loam, 12 to 25 percent slopes	93.2	92.9%
90	Oland silt loam, 40 to 90 percent slopes	7.0	6.9%
Totals for Area of Interest		100.4	100.0%

Idaho County Area, Idaho, Western Part

13—Brower very gravelly loam, 40 to 90 percent slopes

Map Unit Setting

Elevation: 1,700 to 4,500 feet
Mean annual precipitation: 18 to 22 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 130 to 150 days

Map Unit Composition

Brower and similar soils: 80 percent

Description of Brower

Setting

Landform: Canyons
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loess and colluvium derived from granite

Properties and qualities

Slope: 40 to 90 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water
(Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Low (about 5.4 inches)

Interpretive groups

Land capability (nonirrigated): 7e
Ecological site: SOUTH SLOPE SCHIST 16-22 PSSPS-POSE
(R009XY010ID)

Typical profile

0 to 9 inches: Very gravelly loam
9 to 60 inches: Very gravelly loam

Data Source Information

Soil Survey Area: Idaho County Area, Idaho, Western Part
Survey Area Data: Version 7, Aug 26, 2010

Idaho County Area, Idaho, Western Part

22—Chard sandy loam, 12 to 25 percent slopes

Map Unit Setting

Elevation: 600 to 2,000 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 180 days

Map Unit Composition

Chard and similar soils: 85 percent

Description of Chard

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy alluvium and/or loess

Properties and qualities

Slope: 12 to 25 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability (nonirrigated): 4e
Ecological site: LOAMY 12-16 PSSPS-POSE (R009XY006ID)

Typical profile

0 to 16 inches: Sandy loam
16 to 30 inches: Sandy loam
30 to 47 inches: Sand
47 to 60 inches: Coarse sand

Data Source Information

Soil Survey Area: Idaho County Area, Idaho, Western Part
Survey Area Data: Version 7, Aug 26, 2010

Idaho County Area, Idaho, Western Part

90—Oland silt loam, 40 to 90 percent slopes

Map Unit Setting

Elevation: 2,400 to 5,500 feet

Mean annual precipitation: 15 to 22 inches

Mean annual air temperature: 45 to 48 degrees F

Frost-free period: 90 to 130 days

Map Unit Composition

Oland and similar soils: 95 percent

Description of Oland

Setting

Landform: Canyons

Down-slope shape: Concave

Across-slope shape: Concave

Parent material: Alluvium and/or loess and/or colluvium derived from
igneous rock and/or metamorphic rock

Properties and qualities

Slope: 40 to 90 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Moderate (about 6.8 inches)

Interpretive groups

Land capability (nonirrigated): 7e

Ecological site: NORTH SLOPE SCHIST 16-22 FEID-PSSPS
(R009XY009ID)

Typical profile

0 to 11 inches: Silt loam

11 to 26 inches: Gravelly loam

26 to 40 inches: Very gravelly loam

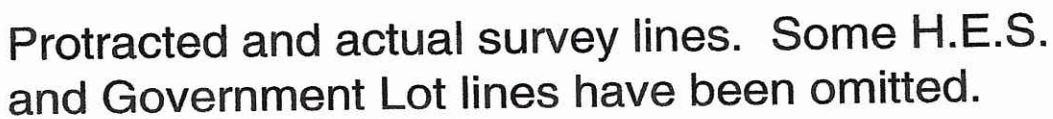
40 to 60 inches: Very gravelly sandy loam

Data Source Information

Soil Survey Area: Idaho County Area, Idaho, Western Part

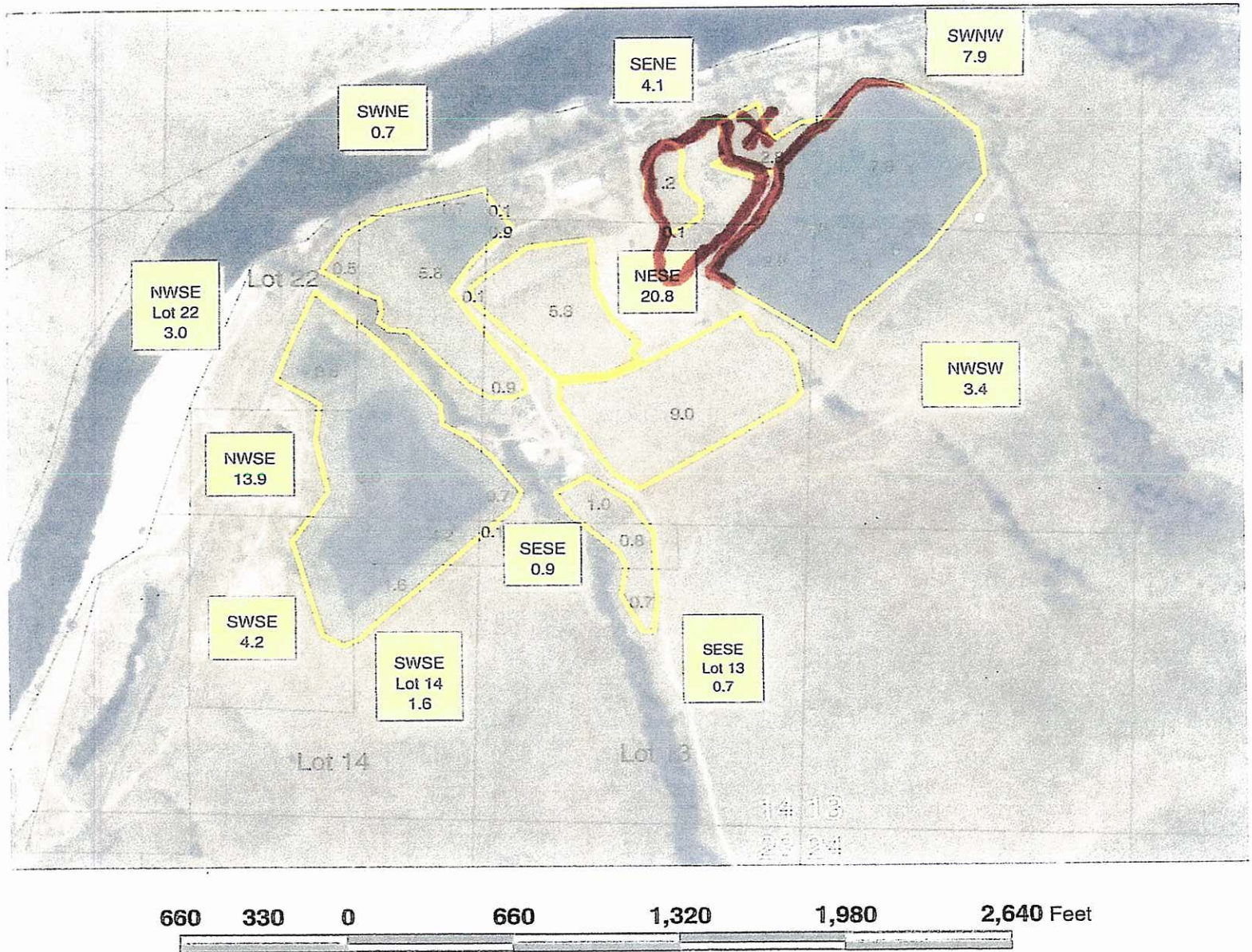
Survey Area Data: Version 7, Aug 26, 2010

Red	4"
Black	6"
Green	8"
Purple	12"



77-4089 & 77-4219 POU

Corrected Location of Irrigated acreage



Protracted and actual survey lines. Some H.E.S. and Government Lot lines have been omitted.