



State of Idaho

DEPARTMENT OF WATER RESOURCES

15 West Center Street, Soda Springs, ID 83276

Phone: (208) 547-3993 Fax: (208) 547-3939 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

July 14, 2004

Doug Jones
I.D.W.R.
Southern Region
1341 Fillmore St. STE 200
Twin Falls, ID 83301-3380

REF: Snake River Basin Adjudication (SRBA)
Claims 27-10028 and 27-12013

Claimants: Leon or Bonnie Gardner
469 E. 400 N.
Blackfoot, ID 83221
785-1688

Subject: Hubble Analysis

Dear Doug;

Hey guy how are things for you? It has been a long time. Thank you for taking on this Hubble Analysis. As you might note the source, Sand Creek, it is very sandy soil. They water pasture grass. I've made some notes and copied the Bingham County Soil Conversation information for you. Intrepid Technology assumed a 1% slope on the ditches. I think that is a pretty good assumption because if you look at the TOPO in included it is pretty flat in this country.

On the 1987/88 NAPP photography included are some heavy black lines. They are the ditches they use to irrigate this piece of property. Flood irrigation of course.

If you have any questions please don't hesitate calling the claimants or me.

Respectfully,

Cindy E. Bird

Enclosed: Bingham Co Soil Conservation Information (October 1973)
1987/88 NAPP photography of POU.
Soil map
TOPO map

7/14/04 claims: 27-12013 (27-2012) & 27-10028
Bonnie P and/or Leon Gardner 785-1688.
469. E. 400 N.
Blackfoot, ID 83221.

REF: Hubble Analysis

Grp: Pasture grass.

Stream & ditches are natural channels.
Ditches are cleaned yearly.

Dimensions:

Sand Crk. 3-4' deep, 7-8' wide.

Ditches. 18" to 24" deep; 2-3' wide.

Slope: Looking at the TOPO the ground is fairly flat. Intrepid
technology assumed @ 1% slope. I think that is a
good assumption.

Enclosed: pages from Oct. 1973 Bingham Area, Id.
Soil Conservation Service.

Irrigation sou.: 4/1 - 10/31 214 days

Consumptive USE: headgate 4.0
consumptive 3.0

11 1
14 1

30.0

19.0

NWNE

NENE

11.0

SWNE

SENNW

36.0

Topo Map

Bonnie Gardner

North Bingham Soil Conservation District

Date: 07/02/2004

Blackfoot

Natural Resources Conservation Service

Dean Smith

KIMBALL

4559 Apello-Firth Rd Bithell Ln

14

4560

14

4560

560

40

Creek

Legend

- Ushwy I_id011.shp
- Streetroads I_id011.shp
- Sthwy I_id011.shp
- Interstate I_id011.shp
- 4wdtrail I_id011.shp

USDA

1000

0

1000

2000 Feet



Bonnie Gardner

North Bingham Soil Conservation District

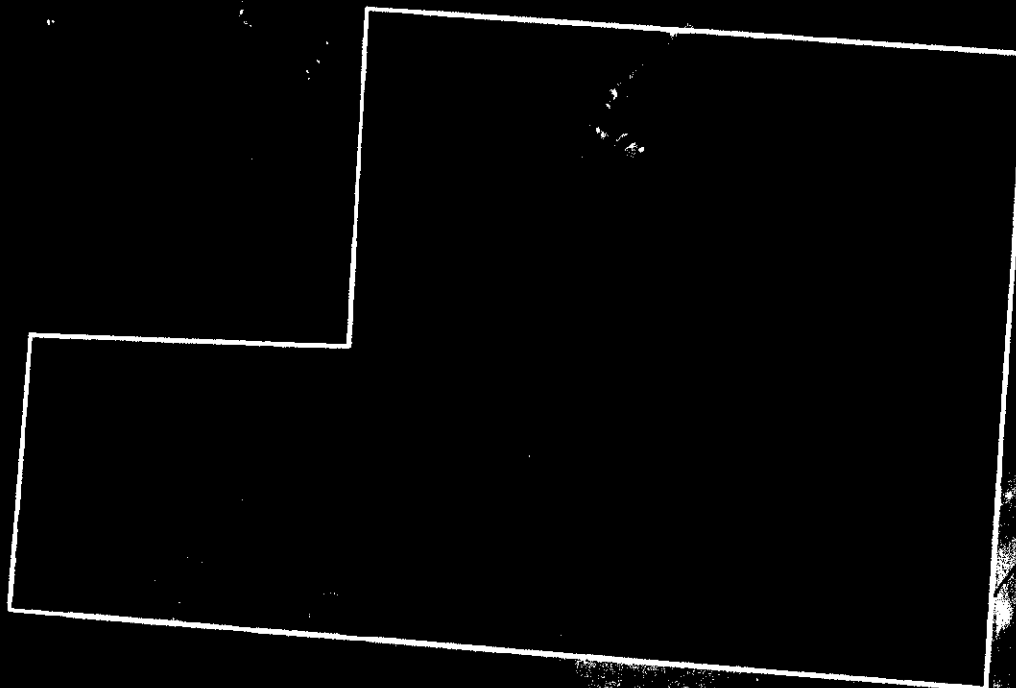
Date: 07/02/2004

Soils map

Blackfoot

Natural Resources Conservation Service

Dean Smith



Legend

- Ushwy_l_id011.shp
- Streetroads_l_id011.shp
- Sthwy_l_id011.shp
- Interstate_l_id011.shp
- 4wdtrail_l_id011.shp
- Soil_a_id770.shp



1000 0 1000 2000 Feet



Water

27-12013

27-10028