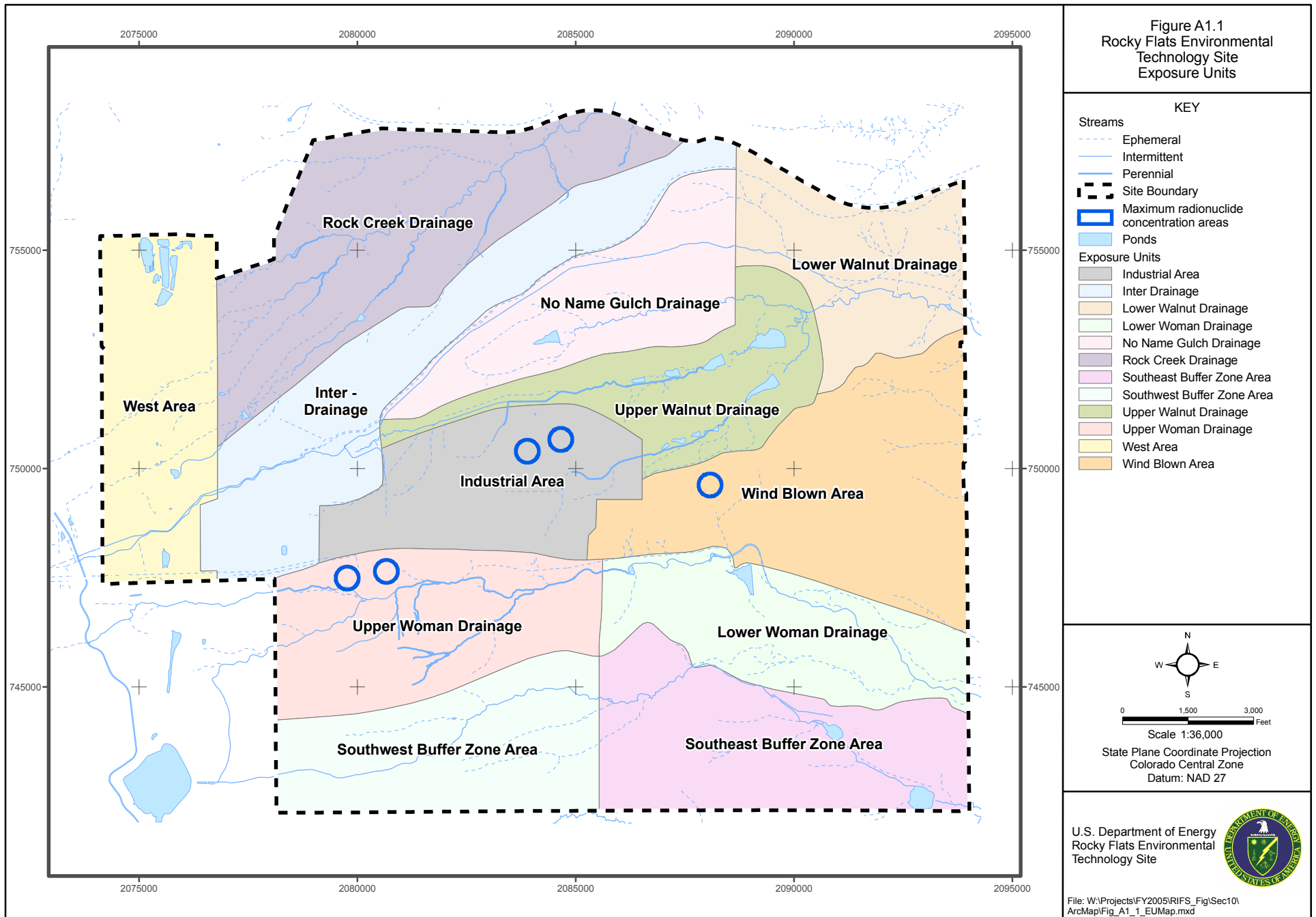


Figure A1.1  
Rocky Flats Environmental  
Technology Site  
Exposure Units



- KEY**
- Streams**
- Ephemeral
  - Intermittent
  - Perennial
- Site Boundary**
- Maximum radionuclide concentration areas
  - Ponds
- Exposure Units**
- Industrial Area
  - Inter Drainage
  - Lower Walnut Drainage
  - Lower Woman Drainage
  - No Name Gulch Drainage
  - Rock Creek Drainage
  - Southeast Buffer Zone Area
  - Southwest Buffer Zone Area
  - Upper Walnut Drainage
  - Upper Woman Drainage
  - West Area
  - Wind Blown Area

N  
W E  
S

0 1,500 3,000  
Feet

Scale 1:36,000  
State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD 27

U.S. Department of Energy  
Rocky Flats Environmental  
Technology Site

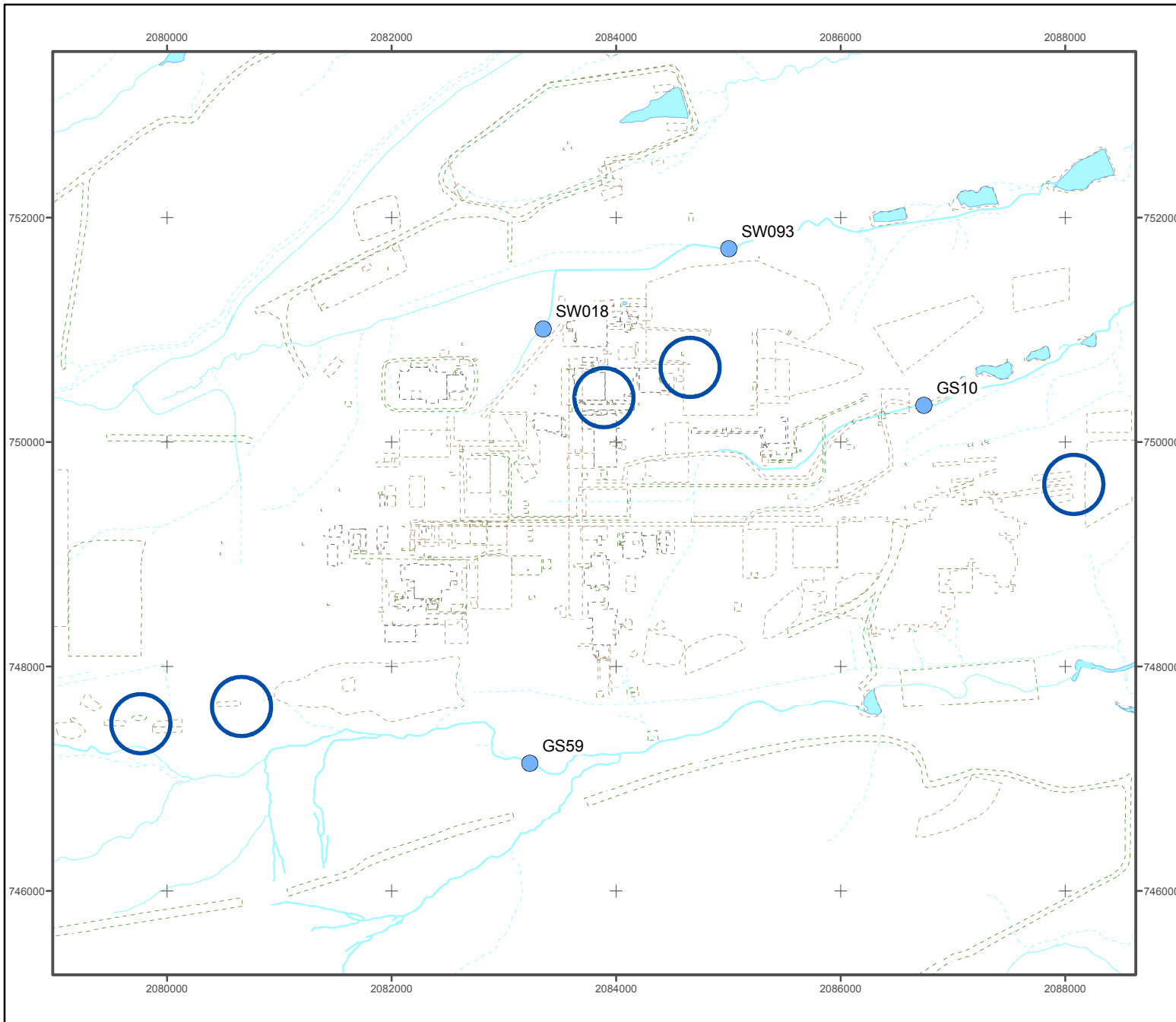
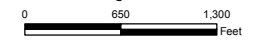
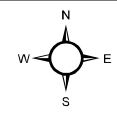


Figure A1.2

Five Acre Sites Selected for Soil/Sediment Analysis

KEY

- Surface water monitoring location
- Historical IHSS boundary
- Historical PAC boundary
- Historical UBC boundary
- Maximum radionuclide concentration areas



Scale 1:15,600

State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD 27

U.S. Department of Energy  
Rocky Flats Environmental  
Technology Site



Figure A1.3

Former Building 776  
and Historical Solar Evaporation  
Ponds Five Acre Sites Selected  
For Soil/Sediment Analysis

KEY

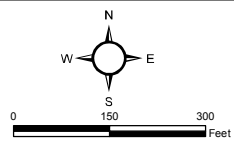
- Surface  $\geq 10 \times \text{PRG}$
- ▲ Subsurface  $\geq 10 \times \text{PRG}$
- Surface  $\geq \text{PRG} < 10 \times \text{PRG}$
- ▲ Subsurface  $\geq \text{PRG} < 10 \times \text{PRG}$
- Surface  $> \text{BKG} < \text{PRG}$
- ▲ Subsurface  $> \text{BKG} < \text{PRG}$
- Surface  $\leq \text{BKG}$
- ▲ Subsurface  $\leq \text{BKG}$
- Maximum radionuclide concentration areas
- - - Historical UBC boundary
- - - Historical IHSS boundary

Symbols represent whether any sampling result exceeded background mean + 2 SD (BKG) or WRW PRG values as follows:

Isotope	Surface		Subsurface	
	BKG	PRG	BKG	PRG
Pu-239/240	0.066	9.8	0.022	112
Am-241	0.022	7.69	0.01	88.4
U-233/234	2.25	25.3	2.079	291
U-235	0.095	1.05	0.162	12.1
U-238	2.00	29.3	1.774	337

Values are in pCi/g

\* - This sample was collected from beneath the former Building 776 slab.



Scale 1:3,600

State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD 27

U.S. Department of Energy  
Rocky Flats Environmental  
Technology Site



**Figure A1.4**  
**Historical East Trenches**  
**Five Acre Site Selected**  
**For Soil/Sediment Analysis**

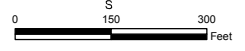
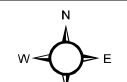
**KEY**

- Surface  $\geq 10 \times \text{PRG}$
- ▲ Subsurface  $\geq 10 \times \text{PRG}$
- Surface  $\geq \text{PRG} < 10 \times \text{PRG}$
- ▲ Subsurface  $\geq \text{PRG} < 10 \times \text{PRG}$
- Surface  $> \text{BKG} < \text{PRG}$
- ▲ Subsurface  $> \text{BKG} < \text{PRG}$
- Surface  $\leq \text{BKG}$
- ▲ Subsurface  $\leq \text{BKG}$
- Maximum radionuclide concentration areas
- - - Historical IHSS boundary

Symbols represent whether any sampling result exceeded background mean + 2 SD (BKG) or WRW PRG values as follows:

Isotope	Surface		Subsurface	
	BKG	PRG	BKG	PRG
Pu-239/240	0.066	9.8	0.022	112
Am-241	0.022	7.69	0.01	88.4
U-233/234	2.25	25.3	2.079	291
U-235	0.095	1.05	0.162	12.1
U-238	2.00	29.3	1.774	337

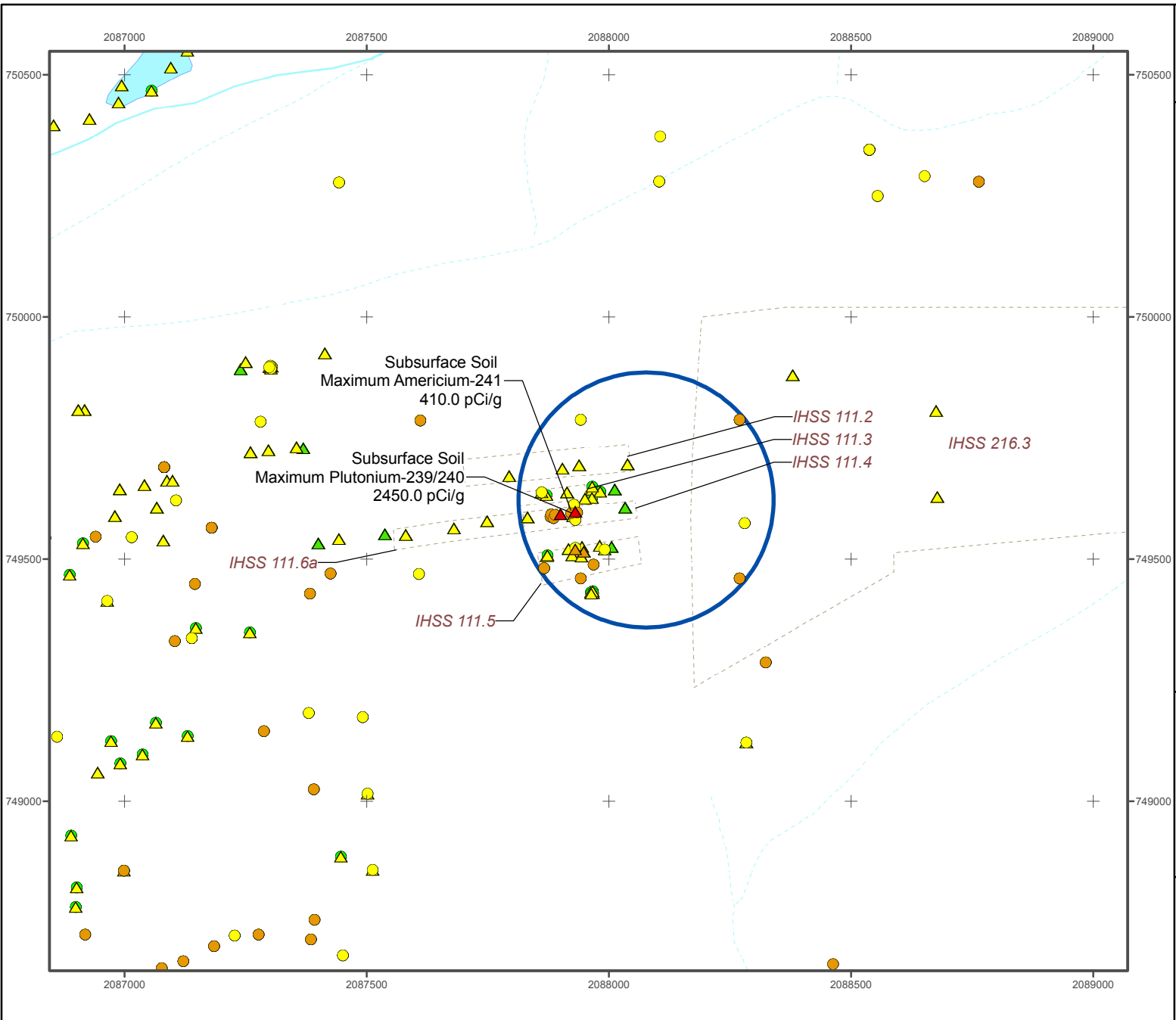
Values are in pCi/g

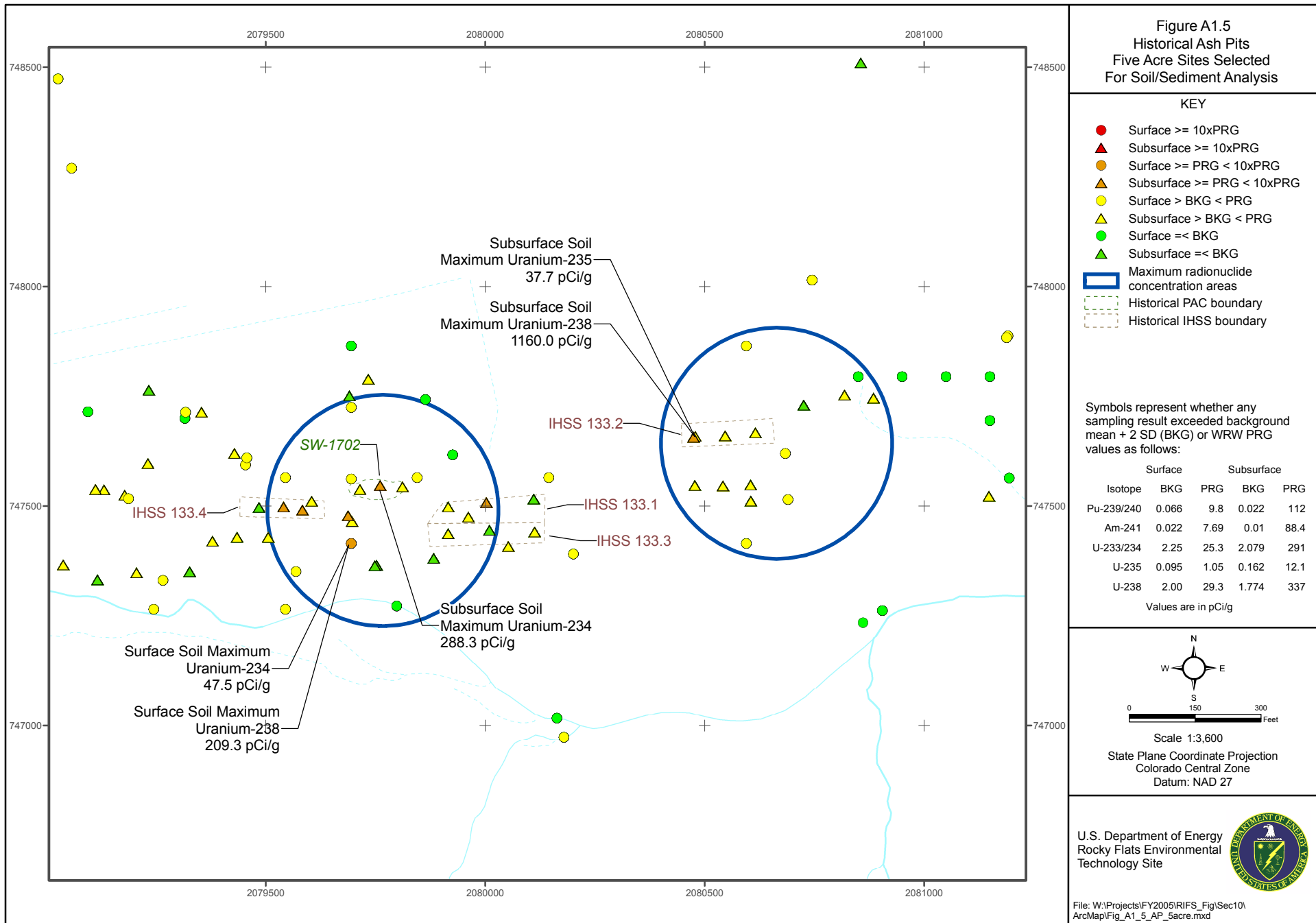


Scale 1:3,600

State Plane Coordinate Projection  
 Colorado Central Zone  
 Datum: NAD 27

U.S. Department of Energy  
 Rocky Flats Environmental  
 Technology Site





Subsurface Soil  
Maximum Uranium-235  
37.7 pCi/g

Subsurface Soil  
Maximum Uranium-238  
1160.0 pCi/g

SW-1702

IHSS 133.4

Surface Soil Maximum  
Uranium-234  
47.5 pCi/g

Surface Soil Maximum  
Uranium-238  
209.3 pCi/g

Subsurface Soil  
Maximum Uranium-234  
288.3 pCi/g

IHSS 133.2

IHSS 133.1

IHSS 133.3

