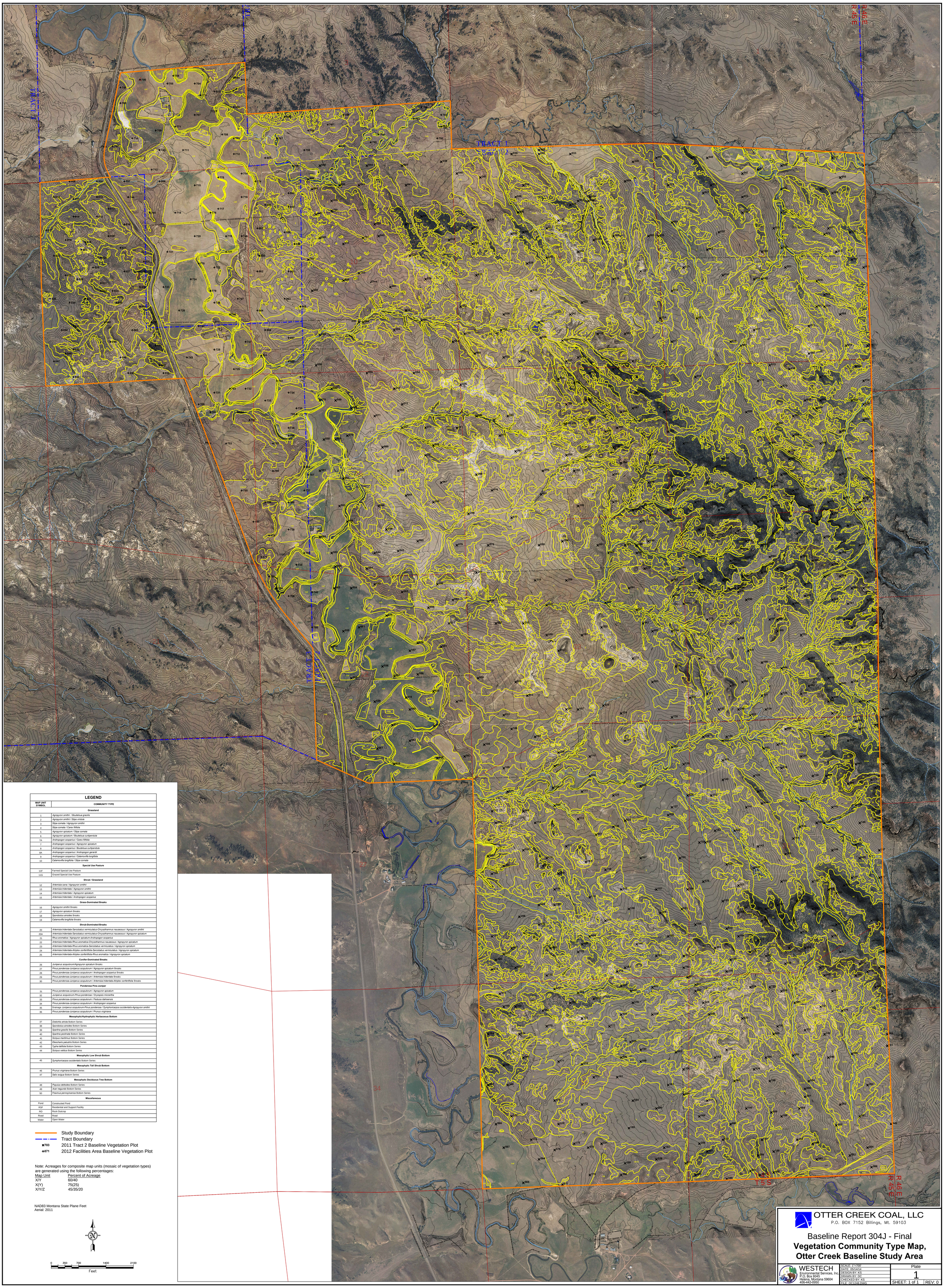

LEGEND

MAP UNIT SYMBOL	COMMUNITY TYPE
	Grassland
1	*Agropyron smithii / Bouteloua gracilis*
2	*Agropyron smithii / Stipa viridula*
3	*Stipa comata / Agropyron smithii*
4	*Stipa comata / Carex filifolia*
5	*Agropyron spicatum / Stipa comata*
6	*Agropyron spicatum / Bouteloua curtipendula*
7A	*Andropogon scoparius / Carex filifolia*
7	*Andropogon scoparius / Agropyron spicatum*
8	*Andropogon scoparius / Bouteloua curtipendula*
8A	*Andropogon scoparius / Andropogon gerardii*
9	*Andropogon scoparius / Calamovilfa longifolia*
10	*Calamovilfa longifolia / Stipa comata*
	Special Use Pasture
11F	Farmed Special Use Pasture
11G	Grazed Special Use Pasture
	Shrub / Grassland
12	*Artemisia cana / Agropyron smithii*
13	*Artemisia tridentata / Agropyron smithii*
14	*Artemisia tridentata / Agropyron spicatum*
15	*Artemisia tridentata / Andropogon scoparius*
	Grass-Dominated Breaks
16	*Agropyron smithii* Breaks
17	*Agropyron spicatum* Breaks
18	*Sporobolus airoides* Breaks
19	*Calamovilfa longifolia* Breaks
	Shrub-Dominated Breaks
20	*Artemisia tridentata-Sarcobatus vermiculatus-Chrysothamnus nauseosus / Agropyron smithii*
20A	*Artemisia tridentata-Sarcobatus vermiculatus-Chrysothamnus nauseosus / Agropyron spicatum*
21	*Rhus aromatica / Agropyron spicatum-Andropogon scoparius*
22	*Artemisia tridentata-Rhus aromatica-Chrysothamnus nauseosus / Agropyron spicatum*
23	*Artemisia tridentata-Rhus aromatica-Sarcobatus vermiculatus / Agropyron spicatum*
24	*Artemisia tridentata-Atriplex confertifolia-Sarcobatus vermiculatus / Agropyron spicatum*
25	*Artemisia tridentata-Atriplex confertifolia-Rhus aromatica / Agropyron spicatum*
	Conifer-Dominated Breaks
26	*Juniperus scopulorum/Agropyron spicatum* Breaks
27	*Pinus ponderosa-Juniperus scopulorum / Agropyron spicatum* Breaks
28	*Pinus ponderosa-Juniperus scopulorum / Andropogon scoparius* Breaks
29	*Pinus ponderosa-Juniperus scopulorum / Artemisia tridentata* Breaks
30	*Pinus ponderosa-Juniperus scopulorum / Artemisia tridentata-Atriplex confertifolia* Breaks
	Ponderosa Pine-Juniper
31	*Pinus ponderosa-Juniperus scopulorum / Agropyron spicatum*
32	*Juniperus scopulorum-Pinus ponderosa / Oryzopsis micrantha*
33	*Pinus ponderosa-Juniperus scopulorum / Festuca idahoensis*
34	*Pinus ponderosa-Juniperus scopulorum / Andropogon scoparius*
35	Drainage *Juniperus scopulorum-Pinus ponderosa / Symphoricarpos occidentalis-Agropyron smithii*
36	*Pinus ponderosa-Juniperus scopulorum / Prunus virginiana*
	Mesophytic/Hydrophytic Herbaceous Bottom
37	*Distichlis stricta* Bottom Series
38	*Sporobolus airoides* Bottom Series
39	*Spartina gracilis* Bottom Series
40	*Spartina pectinata* Bottom Series
41	*Scirpus maritimus* Bottom Series
42	*Eleocharis palustris* Bottom Series
43	*Typha latifolia* Bottom Series
44	*Scirpus validus* Bottom Series
	Mesophytic Low Shrub Bottom
45	*Symphoricarpos occidentalis* Bottom Series
	Mesophytic Tall Shrub Bottom
46	*Prunus virginiana* Bottom Series
47	*Salix exigua* Bottom Series
	Mesophytic Deciduous Tree Bottom
48	*Populus deltoides* Bottom Series
49	*Acer negundo* Bottom Series
50	*Fraxinus pennsylvanica* Bottom Series
	Miscellaneous
Pond	Constructed Pond
RSF	Residential and Support Facility
RO	Rock Outcrop
Road	Road
Water	Open Water

Study Boundary
Tract Boundary
✖703 2011 Tract 2 Baseline Vegetation Plot
+871 2012 Facilities Area Baseline Vegetation Plot

Note: Acreages for composite map units (mosaic of vegetation types) are generated using the following percentages:

Map Unit	Percent of Acreage
X/Y	60/40
X(Y)	75(25)
X/Y/Z	45/35/20

NAD83 Montana State Plane Feet
Aerial: 2011

0 350 700 1400 2100
Feet

OTTER CREEK COAL, LLC
P.O. BOX 7152 Billings, Mt. 59103

Baseline Report 304J - Final
Vegetation Community Type Map, Otter Creek Baseline Study Area

WESTECH Environmental Services, Inc.
P.O. Box 6045
Helena, Montana 59604
406-442-0950

SCALE: 1"=700'
DATE: 05/14/14
DESIGN BY: KS
DRAWN BY: DC
CHECKED BY: KS
FILE: OC1248.DWG

Plate 1
SHEET: 1 of 1 REV: 0