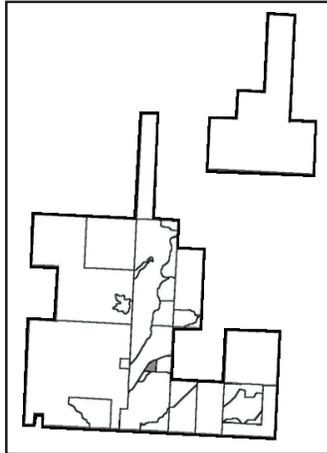


**Preserve**



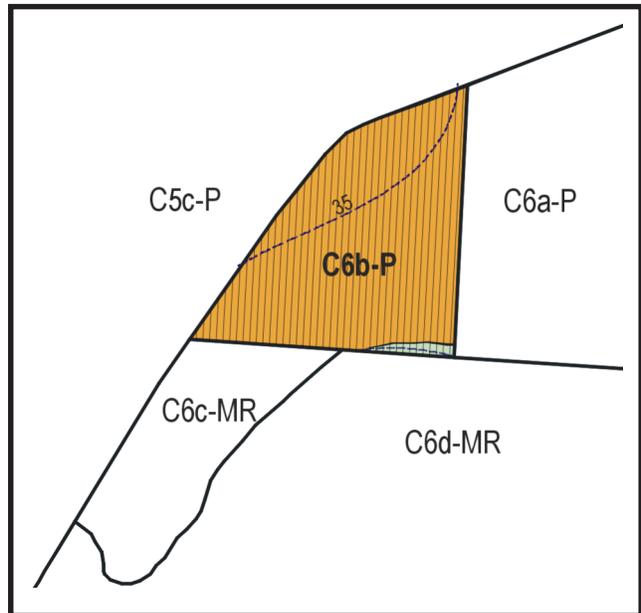
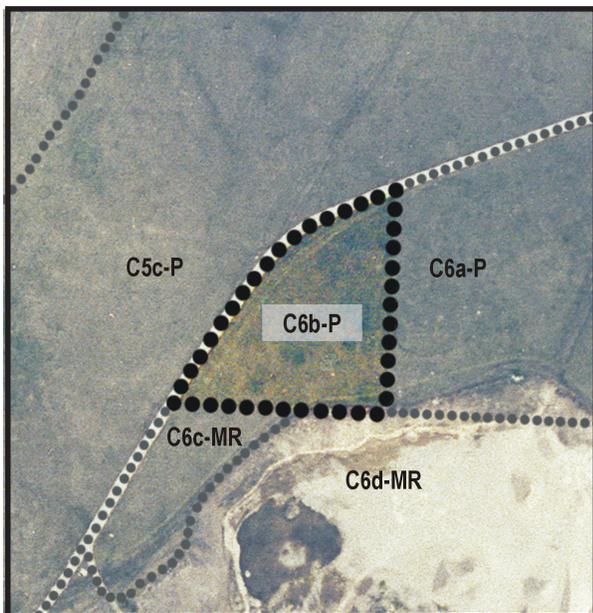
**C6b-P: Preserve, Clay County, (Section 6, Keene Township)**

**Aggregate Potential:**

Presumably high quality and quantity. Borders the existing county mine. Low overburden and deep deposit of high quality aggregate.

**Prairie Habitat Assessment:** High quality dry prairie and rare species habitat.

**Fen Impacts:** Mining below the water table buffer would divert regional flow of ground water to the south fen causing loss of head pressure and decreased quantity of water to wetland.



**Recommendations:**

This area should be preserved because mining would severely fragment prairie habitat and impact the south fen. Preservation through a lease, easement, or other protection agreement should run a minimum of 35 years.

**Access:** Limit haul road to current alignment and width.

**Habitat Management:**

Mow hay or burn to maintain prairie.

**Timeframe:**

This area should be preserved through a lease, easement, or other protection agreement for 35 years. The county should reassess status at that time based on the availability of road gravel from the private market, the projected life of county supply, and lease value of the county mine.

**Area Statistics**

	Landtype	Acres
	Mesic Prairie (Northwest)	5.89
	Mine Operation	0.12
	<i>Total</i>	6.01

**Dakota Skipper Habitat**

Habitat	Acres
Confirmed Good	5.89
<i>Total</i>	5.89

*Dotted contours represent the overburden to aggregate thickness ratio. Numbers represent the thickness of aggregate per foot of overburden.*

### C6e-P: Preserve Clay County, (Section 6, Keene township)

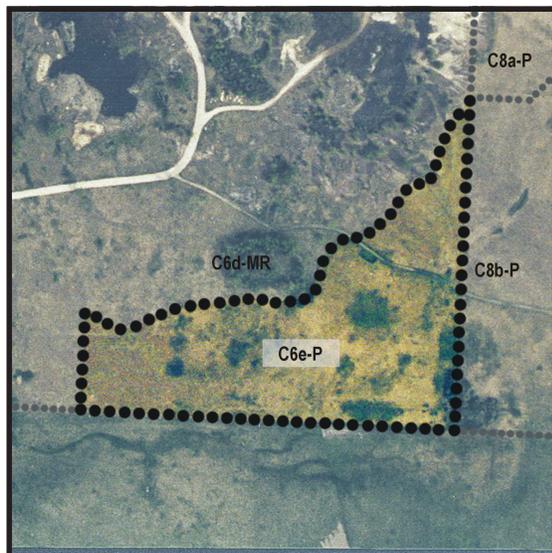
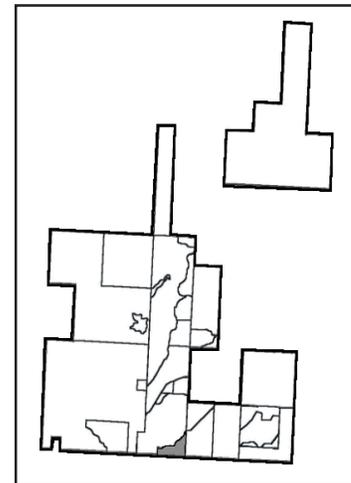
**Aggregate Potential:**

Exhibits increasing potential from none in southeast corner to good moving north and west. Quantity may diminish towards existing northwest boundary because drill hole 9 contained no gravel but this material could be used for mixing Class 5 for county road use.

**Prairie Habitat Assessment:**

Southeast corner exhibits high quality prairie and no aggregate potential. Scattered woody species and leafy spurge are present.

**Fen Impacts:** None



**Drillhole Statistics**

Drillhole	Gravel Thickness	Gravel Above Fen	Aggregate Ratio	Quality
5	57	NA	0.00	6.0
8	54	NA	1.15	10.0

**Area Statistics**

	Landtype	Acres
	Dry Prairie (Northwest) Sand-Gravel Subtype	2.52
	Mesic Prairie (Northwest)	16.74
	<i>Total</i>	19.26

**Dakota Skipper Habitat**

Habitat	Acres
Confirmed Good	10.01
<i>Total</i>	10.01

**Recommendations:**

If the county needs this parcel for mining and applies for a takings permit, DNR has agreed that the Felton Prairie Stewardship Plan and its recommendations will satisfy mitigation needs.

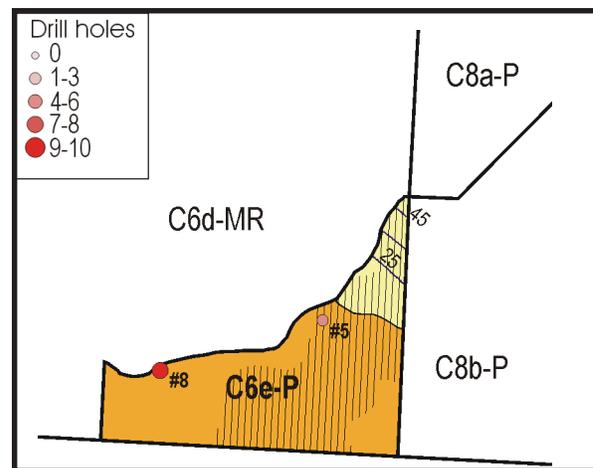
**Habitat Management:** Preserve prairie south and east until needed for spoil or stockpiling. If prairie is disturbed, mitigate. Control leafy spurge with biological or chemical means.

Remove woody vegetation by girdling or cutting. Maintain prairie with prescribed burning or mowing hay.

**Access:** Improve directional signs leading to Bicentennial Prairie SNA and parking area.

**Timeframe:**

This area should be preserved until 2018 when it may be needed for aggregate plant and stockpiles associated with the current county gravel mine.



*Dotted contours represent the overburden to aggregate thickness ratio. Numbers represent the thickness of aggregate per foot of overburden.*

*Drillhole symbols are scaled and colored to represent the committee's estimate of the deposit quality. Quality increases with circle size and saturation.*