



## MARSH MANAGEMENT FIRE SMOKE MANAGEMENT PLAN

(Please complete the following information)

1. Property Number & Name: \_\_\_\_\_ 2. Total Acreage to be burned: \_\_\_\_\_

3. Property Location: (Provide only one of the following location descriptions)

Legal: Township \_\_\_\_\_ Range \_\_\_\_\_ Section(s) \_\_\_\_\_ **or,**

Lat/Long: North Latitude \_\_\_\_\_ (deg.) \_\_\_\_\_ (min) \_\_\_\_\_ (sec)

West Longitude \_\_\_\_\_ (deg.) \_\_\_\_\_ (min) \_\_\_\_\_ (sec)

4. Fire Agency: \_\_\_\_\_ 5. County: \_\_\_\_\_

6. Burner's Name: \_\_\_\_\_ 7. Phone Number \_\_\_\_\_

8. Burner's Address (street, city, zip code): \_\_\_\_\_

**Note: Please include 3 copies of your property map with this document**

9. Field Contact Name: \_\_\_\_\_ 10. 24-Hour Phone Number \_\_\_\_\_

11. Burn Season: Fall / Spring      Year \_\_\_\_\_

12. Proposed maximum number of acres to be burned per day: \_\_\_\_\_

13. Specify number of people on burn site during burn: \_\_\_\_\_

14. Vegetation type(s) to be burned:

<b>Tall Emergent (cattails, tules, phragmites, etc.)</b>						<b>Number of Acres: _____</b>
<b>Average height</b>						
<b>Average % cover</b>	0 to 1 ft	1 to 5 ft	5 to 8 ft	8 to 10 ft	10 ft and over	
76-100%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
52-75%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
26-50%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
0-25%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

<b>Low Emergent (salt grass, baltic rush, cocklebur, etc.)</b>						<b>Number of Acres: _____</b>
<b>Average height</b>						
<b>Average % cover</b>	0 to 1 ft	1 to 5 ft	5 to 8 ft	8 to 10 ft	10 ft and over	
76-100%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
52-75%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
26-50%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
0-25%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Upland Grasslands (Annual grass, rye, vetch, etc.)		Number of Acres: _____				
Average % cover	Average height					
	0 to 1 ft	1 to 5 ft	5 to 8 ft	8 to 10 ft	10 ft and over	
76-100%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
52-75%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
26-50%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
0-25%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

15. Describe the specific resource management objective(s) and goal(s) of burn:

- Eliminate pest weeds
- Open up seedbed for planting
- Other (specify): \_\_\_\_\_
- Change plant species composition to improve feed/cover
- Control invasive non-desirable vegetation

16. Have other activities (i.e., alternatives to burning) such as discing, mowing, or water management on the proposed burn site been considered or tried at achieving the desired habitat management objectives and goals of your property?

- YES
- NO

If no, explain why not (e.g., vegetation too thick to penetrate by mechanical means, soils are too wet, etc.)

\_\_\_\_\_

If yes, explain the extent and success of your efforts. \_\_\_\_\_

\_\_\_\_\_

17. Describe burn site preparation to be completed prior to burning to minimize potential adverse impacts:

- Create fire breaks
- Flood ditches prior to burning
- Minimize area to be burned with mowing and/or discing
- Other (specify): \_\_\_\_\_

18. Ignition technique and material to be used, Specify:

- Pressurized diesel torches
- Napalm or Blivets
- Fuses
- Commercial petroleum gel materials
- Commercial safety fuses
- Commercial fuses
- Commercial type ignition grenades
- Lighters or matches
- Orchard Torches
- Drip Torches

19. Contingency actions or measures the burner will take in the event that smoke impacts begin to occur:

- Disc incremental firebreaks
- Flood fields and ditches
- Have water pump and hose readily available on-site
- Other (specify): \_\_\_\_\_

20. Contingency actions or measures the burner will take in the event that the burn is declared "out of control" and continues to advance after 3:00 p.m. or a peat fire is ignited and continues to burn after 3:00 p.m.:

- Disc incremental firebreaks
- Flood fields and ditches
- Other (specify): \_\_\_\_\_
- Attempt to extinguish fire with water pump and hose on-site
- Call 911 for fire department assistance

21. Range of surface wind conditions acceptable to burner for satisfactory burn:

Wind Speed \_\_\_\_\_ (minimum & maximum, miles/hour)

Wind Direction(s) \_\_\_\_\_

Note: depending on property location in the Suisun Marsh, a North wind blows smoke into Pittsburgh/Antioch, and a Southeast wind blows smoke into Fairfield and Cordelia.

22. Describe planned method(s) of estimation and interval of weather observations:

**Method**

- On burn site, visual
- Hand held anemometer
- Remote weather station (at clubhouse, etc.)
- Other (specify): \_\_\_\_\_

**Frequency**

- Every 30 min.
- Hourly
- Other (specify): \_\_\_\_\_

23. Identify all sensitive receptor areas within a 10-mile radius from the burn site and indicate the distance(s) and direction(s) from the burn site to each sensitive receptor area:

Smoke Sensitive Receptor Area	Distance (miles)	Direction From Burn Site

**NOTE:** Sensitive receptor areas are populated areas and other areas where smoke and air pollutants from a burn project can adversely affect public health and welfare. Examples of such areas include, but are not limited to, towns, cities, highways, major roads, hospitals, nursing homes, schools and airports.

Landowner's Certification:

**A Marsh Management Fire may be conducted by the designated burn applicant above for this property in accordance with all applicable rules and regulations. By signing below, I certify that the information submitted in this Smoke Management Plan is complete and accurate to the best of my knowledge.**

Landowner's Signature \_\_\_\_\_ Date \_\_\_\_\_

Print Name \_\_\_\_\_ Phone Number ( ) \_\_\_\_\_ FAX ( ) \_\_\_\_\_

Mailing Address (street, city, zip code): \_\_\_\_\_

Email Address \_\_\_\_\_

