TIPPC Plant Assessment Form

For use with "Criteria for Categorizing Invasive Non-Native Plants that Threaten Wildlands"
by the California Invasive Plant Council and the Southwest Vegetation Management Association

Version February 2003, modified July 2009 for the Texas Invasive Plant & Pest Council – www.texasinvasives.org

Table 1. Species and Evaluator Information

Species name (Latin binomial)**:**	
Synonyms:	
Common names:	
Evaluation date (mm/dd/yy)**:**	
Evaluator #1 Name/Title:	
Affiliation:	
Phone numbers:	
Email address:	
Address:	
Evaluator #2 Name/Title:	enter text here
Affiliation:	enter text here
Phone numbers:	enter text here
Email address:	enter text here
Address:	enter text here

Section below for list committee use—please leave blank

List committee members:	enter text here
Committee review date:	enter text here
List date:	enter text here
Re-evaluation date(s):	enter text here

General comments on this assessment:
enter text here

Table 2. Criteria, Section, and Overall Scores

Species: enter text here

Region: enter text here

1.1	Impact on abiotic ecosystem processes	**score**	**Doc'n level**
1.2	Impact on plant community	**score**	**Doc'n level**
1.3	Impact on higher trophic levels	**score**	**Doc'n level**
1.4	Impact on genetic integrity	**score**	**Doc'n level**

Impact

Enter four characters from Q1.1-1.4 below:

UUUU

Using matrix, determine score and enter below:

Section 1 Score

2.1	Role of anthropogenic and natural disturbance	**score**	**Doc'n level**
2.2	Local rate of spread with no management	**score**	**Doc'n level**
2.3	Recent trend in total area infested within state	**score**	**Doc'n level**
2.4	Innate reproductive potential Wksht A	**score**	**Doc'n level**
2.5	Potential for human-caused dispersal	**score**	**Doc'n level**
2.6	Potential for natural long-distance dispersal	**score**	**Doc'n level**
2.7	Other regions invaded	**score**	**Doc'n level**

Invasiveness

Enter the sum total of all points for Q2.1-2.7 below:

0

Use matrix to determine score and enter below:

Section 2 Score

3.1	Ecological amplitude/Range	**score**	**Doc'n level**
3.2	Distribution/Peak frequency Wksht C	**score**	**Doc'n level**

Distribution

Using matrix, determine score and enter below:

Section 3 Score

Plant Score

Using matrix, determine Overall Score and Alert Status from the three section scores and enter below:

Overall Score

Alert Status

Documentation

Average of all questions

enter text here

Table 3. Documentation (List all references at end of PAF. Short citations may be used in Table 3.)

Impacts
Question 1.1 Impact on abiotic ecosystem processes score Doc'n level back
Identify ecosystem processes impacted:
Sources of information: enter text here
Question 1.2 Impact on plant community composition, structure, and interactions score Doc'n level back
Identify type of impact or alteration:
Sources of information: enter text here
Question 1.3 Impact on higher trophic levels score Doc'n level back
Identify type of impact or alteration:
Sources of information: enter text here
Question 1.4 Impact on genetic integrity score Doc'n level back
Identify impacts: enter text here
Sources of information: enter text here
Invasiveness
Question 2.1 Role of anthropogenic and natural disturbance in establishment score Doc'n level back
Describe role of disturbance: enter text here
Sources of information: enter text here
Question 2.2 Local rate of spread with no management score Doc'n level back
Describe rate of spread: no information
Sources of information: enter text here
Question 2.3 Recent trend in total area infested within state score Doc'n level back
Describe trend: no information

Sources of information: enter text here
Question 2.4 Innate reproductive potential score Doc'n level back
Describe key reproductive characteristics:
Sources of information:
Question 2.5 Potential for human-caused dispersal score Doc'n level back
Identify dispersal mechanisms: enter text here
Sources of information: enter text here
Question 2.6 Potential for natural long-distance dispersal score Doc'n level back
Identify dispersal mechanisms: enter text here
Sources of information: enter text here
Question 2.7 Other regions invaded score Doc'n level back
Identify other regions: enter text here
Sources of information: enter text here
Distribution
Question 3.1 Ecological amplitude/Range score Doc'n level back
Describe ecological amplitude, identifying date of source information and approximate date of introduction to the state, if known: enter text here
Sources of information: enter text here
Question 3.2 Distribution/Peak frequency score Doc'n level back
Describe distribution: enter text here
Sources of information: enter text here

References

List full citations for all references used in the PAF (short citations such as DiTomaso and Healy 2007 may be used in table above). **Websites** should include the name of the organization and the date accessed. **Personal communications** should include the affiliation of the person providing the observation. Enter each reference on a separate line; the table will expand as needed.

Examples:

Mitich, L. W. 1995. Intriguing world of weeds: Tansy ragwort. Weed Technology. 9: 402-404.

HEAR. Date unknown. Emex spinosa. Hawaiian Ecosystems at Risk. www.hear.org/pier/species/emex_spinosa.htm. Accessed March 17, 2009

DiTomaso, J. M. Personal communication from Dr. Joe DiTomaso, Dept. of Plant Science, UC Davis. Email received 3/17/09.

enter text here

Worksheet A

Reaches reproductive maturity in 2 years or less	**Yes/No?**
Dense infestations produce >1,000 viable seed per square meter	**Yes/No?**
Populations of this species produce seeds every year.	**Yes/No?**
Seed production sustained over 3 or more months within a population annually	**Yes/No?**
Seeds remain viable in soil for three or more years	**Yes/No?**
Viable seed produced with *both* self-pollination and cross-pollination	**Yes/No?**
Has quickly spreading vegetative structures (rhizomes, roots, etc.) that may root at nodes	**Yes/No?**
Fragments easily and fragments can become established elsewhere	**Yes/No?**
Resprouts readily when cut, grazed, or burned	**Yes/No?**

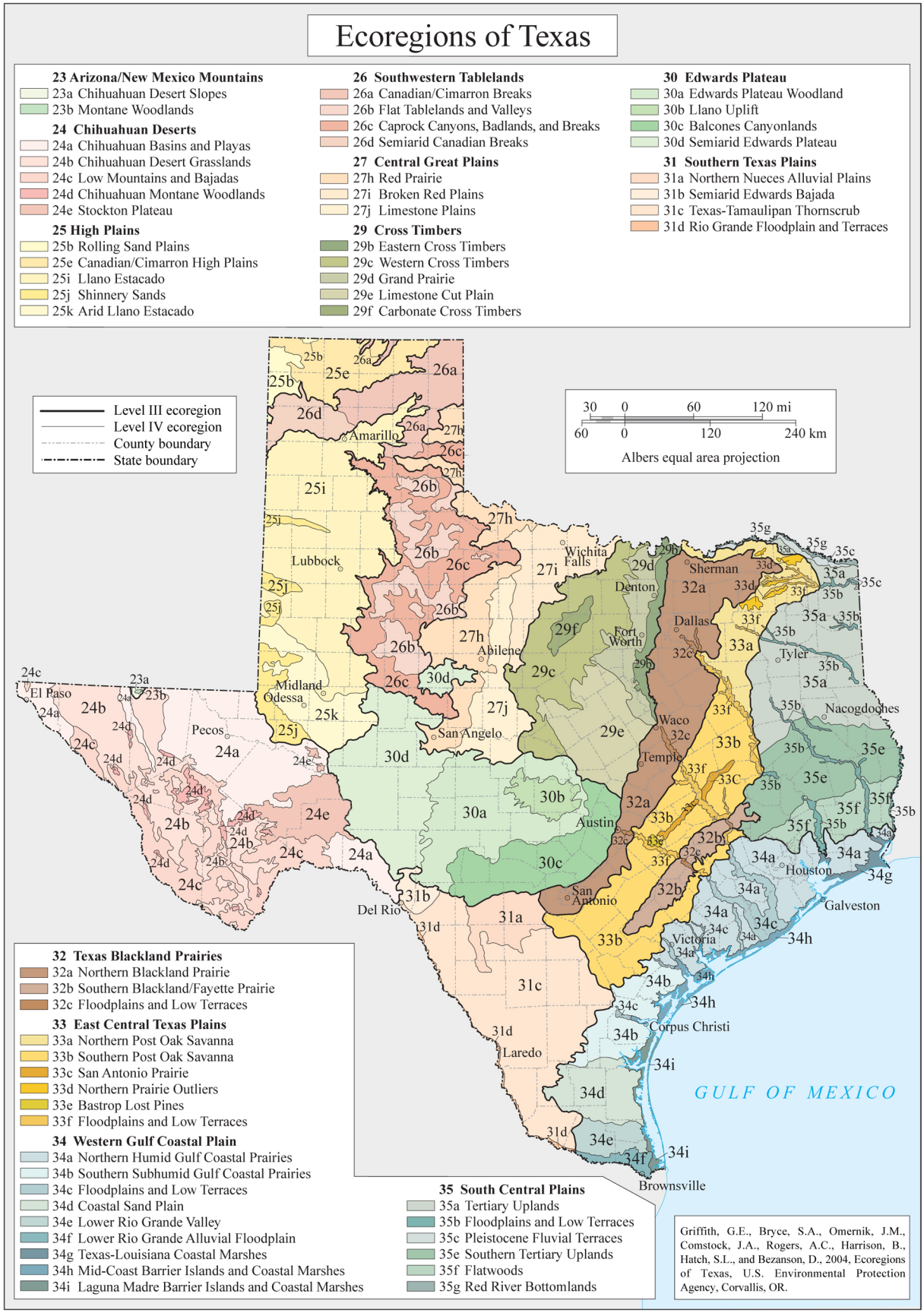
	Total Pts	**Total Unknowns**
	Score	

Note any related traits: enter text here

Worksheet B - Source: Level III and IV Ecoregions of Texas. Griffith, G.E., Bryce, S.A., Omernik, J.M., Comstock, J.A., Rogers, A.C., Harrison, B., Hatch, S.L., and Bezanson, D., 2004, Ecoregions of Texas, U.S. Environmental Protection Agency, Corvallis, OR.

SCORES: A. means >50% of type occurrences are invaded; B means >20% to 50%; C. means >5% to 20%; D. means present but ≤5%; U. means unknown

Code	Level III	Level IV	Score
ER01	**Arizona/New Mexico Mountains**	Chihuahuan Desert Slopes	
		Montane Woodlands	
ER02	**Chihuahuan Deserts**	Chihuahuan Basins and Playas	
		Chihuahuan Desert Grasslands	
		Low Mountains and Bajadas	
		Chihuahuan Montane Woodlands	
		Stockton Plateau	
ER03	**High Plains**	Rolling Sand Plains	
		Canadian/Cimarron High Plains	
		Llano Estacado	
		Shinnery Sands	
		Arid Llano Estacado	
ER04	**Southwestern Tablelands**	Canadian/Cimarron Breaks	
		Flat Tablelands and Valleys	
		Caprock Canyons, Badlands, and Breaks	
		Semiarid Canadian Breaks	
ER05	**Central Great Plains**	Red Prairie	
		Broken Red Plains	
		Limestone Plains	
ER06	**Cross Timbers**	Eastern Crosstimbers	
		Western Crosstimbers	
		Grand Prairie	
		Limestone Cut Plain	
		Carbonate Cross Timbers	
ER07	**Edwards Plateau**	Edwards Plateau Woodland	
		Llano Uplift	
		Balcones Canyonlands	
		Semiarid Edwards Plateau	
ER08	**Southern Texas Plains**	Northern Nueces Alluvial Plains	
		Semiarid Edwards Bajadas	
		Texas-Tamaulipan Thornscrub	
		Rio Grande Floodplain and Terraces	
ER09	**Texas Blackland Prairies**	Northern Blackland Prairies	
		Southern Blackland/Fayette Prairie	
		Floodplains and Low Terraces	
ER10	**East Central Texas Plains**	Northern Post Oak Savanna	
		Southern Post Oak Savanna	
		San Antonio Prairie	
		Northern Prairie Outliers	
		Bastrop Lost Pines	
		Floodplains and Low Terraces	
ER11	**Western Gulf Coastal Plain**	Northern Humid Gulf Coastal Prairies	
		Southern Subhumid Gulf Coastal Prairies	
		Floodplains and Low Terraces	
		Coastal Sand Plain	
		Lower Rio Grande Valley	
		Lower Rio Grande Alluvial Floodplain	
		Texas-Louisiana Coastal Marshes	
		Mid-Coast Barrier Islands and Coastal Marshes	
		Laguna Madre Barrier Islands and Coastal Marshes	
ER12	**South Central Plains**	Tertiary Uplands	
		Floodplains and Low Terraces	
		Pleistocene Fluvial Terraces	
		Southern Tertiary Uplands	
		Flatwoods	
		Red River Bottomland	


Ecoregions of Texas
23 Arizona/New Mexico Mountains
23a Chihuahuan Desert Slopes
23b Montane Woodlands
24 Chihuahuan Deserts
24a Chihuahuan Basins and Playas
24b Chihuahuan Desert Grasslands
24c Low Mountains and Bajadas
24d Chihuahuan Montane Woodlands
24e Stockton Plateau
25 High Plains
25b Rolling Sand Plains
25e Canadian/Cimarron High Plains
25i Llano Estacado
25j Shinnery Sands
25k Arid Llano Estacado
26 Southwestern Tablelands
26a Canadian/Cimarron Breaks
26b Flat Tablelands and Valleys
26c Caprock Canyons, Badlands, and Breaks
26d Semiarid Canadian Breaks
27 Central Great Plains
27h Red Prairie
27i Broken Red Plains
27j Limestone Plains
29 Cross Timbers
29b Eastern Cross Timbers
29c Western Cross Timbers
29d Grand Prairie
29e Limestone Cut Plain
29f Carbonate Cross Timbers
30 Edwards Plateau
30a Edwards Plateau Woodland
30b Llano Uplift
30c Balcones Canyonlands
30d Semiarid Edwards Plateau
31 Southern Texas Plains
31a Northern Nueces Alluvial Plains
31b Semiarid Edwards Bajada
31c Texas-Tamaulipan Thornscrub
31d Rio Grande Floodplain and Terraces
Level III ecoregion
Level IV ecoregion
County boundary
State boundary
30 0 60 120 mi
60 0 120 240 km
Albers equal area projection
Amarillo
Lubbock
Wichita Falls
Sherman
Denton
Dallas
Fort Worth
Tyler
Abilene
Midland
Odessa
San Angelo
Waco
Temple
Austin
Houston
Galveston
San Antonio
Victoria
Corpus Christi
Laredo
Del Rio
Brownsville
Nacogdoches
El Paso
Pecos
GULF OF MEXICO
32 Texas Blackland Prairies
32a Northern Blackland Prairie
32b Southern Blackland/Fayette Prairie
32c Floodplains and Low Terraces
33 East Central Texas Plains
33a Northern Post Oak Savanna
33b Southern Post Oak Savanna
33c San Antonio Prairie
33d Northern Prairie Outliers
33e Bastrop Lost Pines
33f Floodplains and Low Terraces
34 Western Gulf Coastal Plain
34a Northern Humid Gulf Coastal Prairies
34b Southern Subhumid Gulf Coastal Prairies
34c Floodplains and Low Terraces
34d Coastal Sand Plain
34e Lower Rio Grande Valley
34f Lower Rio Grande Alluvial Floodplain
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34i Laguna Madre Barrier Islands and Coastal Marshes
35 South Central Plains
35a Tertiary Uplands
35b Floodplains and Low Terraces
35c Pleistocene Fluvial Terraces
35e Southern Tertiary Uplands
35f Flatwoods
35g Red River Bottomlands
Griffith, G.E., Bryce, S.A., Omernik, J.M., Comstock, J.A., Rogers, A.C., Harrison, B., Hatch, S.L., and Bezanson, D., 2004, Ecoregions of Texas, U.S. Environmental Protection Agency, Corvallis, OR.