

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 01 / 31 / 13 Time: 0835 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B5

Township: 2S Range: 1W Section: 35 33.9492 lat. -116.9604 lng.

Temperature: Water: 9 oC Air: 14 oC

Pool Depth: Surface Area:

at time of sampling: 6 cm at time of sampling: 6 m x 2 m

estimated maximum: 10 cm estimated maximum: 12 m x 5 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: PERCENT CLOUD COVER: 2

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
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**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 01 / 31 / 13 Time: 0840 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B6

Township: 2S Range: 1W Section: 35 33.9491 lat. -116.9595 lng.

Temperature: Water: 9 oC Air: 14 oC

Pool Depth: Surface Area:

at time of sampling: 6 cm at time of sampling: 8 m x 4 m

estimated maximum: 12 cm estimated maximum: 17 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: PERCENT CLOUD COVER: 2

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 01 / 31 / 13 Time: 0845 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B7

Township: 2S Range: 1W Section: 35 33.9491 lat. -116.9591 lng.

Temperature: Water: 9 oC Air: 14 oC

Pool Depth: Surface Area:

at time of sampling: 7 cm at time of sampling: 10 m x 7 m

estimated maximum: 12 cm estimated maximum: 16 m x 8 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: PERCENT CLOUD COVER: 2

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 01 / 31 / 13 Time: 0850 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B8

Township: 2S Range: 1W Section: 35 33.9489 lat. -116.9580 lng.

Temperature: Water: 9 oC Air: 14 oC

Pool Depth: Surface Area:

at time of sampling: 5 cm at time of sampling: 6 m x 3 m

estimated maximum: 10 cm estimated maximum: 10 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 2**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 01 / 31 / 13 Time: 0855 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B9

Township: 2S Range: 1W Section: 35 33.9488 lat. -116.9569 lng.

Temperature: Water: 9 oC Air: 14 oC

Pool Depth: Surface Area:

at time of sampling: 8 cm at time of sampling: 10 m x 3 m

estimated maximum: 14 cm estimated maximum: 14 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: PERCENT CLOUD COVER: 2

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 01 / 31 / 13 Time: 0900 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B10

Township: 2S Range: 1W Section: 35 33.9488 lat. -116.9567 lng.

Temperature: Water: 9 oC Air: 14 oC

Pool Depth: Surface Area:

at time of sampling: 7 cm at time of sampling: 9 m x 5 m

estimated maximum: 12 cm estimated maximum: 14 m x 8 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: PERCENT CLOUD COVER: 2

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 01 / 31 / 13 Time: 1010 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B16

Township: 2S Range: 1W Section: 36 33.9472 lat. -116.9322 lng.

Temperature: Water: 9 oC Air: 14 oC

Pool Depth: Surface Area:

at time of sampling: 4 cm at time of sampling: 9 m x 3 m

estimated maximum: 8 cm estimated maximum: 13 m x 5 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: <u>cattle</u> | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road, pasture

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 2**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no Yes yes

Required color slides and/or photographs for the project site are included: ___ no Yes yes

Date: 01 / 31 / 13 Time: 1030 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B18

Township: 3S Range: 1E Section: 5 33.9470 lat. -116.9018 lng.

Temperature: Water: 9 oC Air: 14 oC

Pool Depth: Surface Area:

at time of sampling: 6 cm at time of sampling: 5 m x 1 m

estimated maximum: 14 cm estimated maximum: 17 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: PERCENT CLOUD COVER: 2

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no Yes yes

Required color slides and/or photographs for the project site are included: ___ no Yes yes

Date: 01 / 31 / 13 Time: 1040 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B19

Township: 3S Range: 1E Section: 5 33.9465 lat. -116.8954 lng.

Temperature: Water: 9 oC Air: 14 oC

Pool Depth: Surface Area:

at time of sampling: 8 cm at time of sampling: 9 m x 4 m

estimated maximum: 16 cm estimated maximum: 16 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 2**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 12 / 13 Time: 1130 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B1

Township: 2S Range: 1W Section: 35 33.9497 lat. -116.9632 long.

Temperature: Water: 19 oC Air: 16 oC

Pool Depth: Surface Area:

at time of sampling: 4 cm at time of sampling: 1 m x 1 m

estimated maximum: 8 cm estimated maximum: 4 m x 4 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: <u>cattle</u> | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road, pasture

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no Yes yes

Required color slides and/or photographs for the project site are included: ___ no Yes yes

Date: 02 / 12 / 13 Time: 1135 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B2

Township: 2S Range: 1W Section: 35 33.9495 lat. -116.9633 lng.

Temperature: Water: 19 oC Air: 16 oC

Pool Depth: Surface Area:

at time of sampling: 7 cm at time of sampling: 8 m x 5 m

estimated maximum: 9 cm estimated maximum: 15 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: PERCENT CLOUD COVER: 0

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 12 / 13 Time: 1150 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B4

Township: 2S Range: 1W Section: 35 33.9493 lat. -116.9614 lng.

Temperature: Water: 19 oC Air: 16 oC

Pool Depth: Surface Area:

at time of sampling: 6 cm at time of sampling: 6 m x 6 m

estimated maximum: 10 cm estimated maximum: 13 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 12 / 13 Time: 1210 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B6

Township: 2S Range: 1W Section: 35 33.9491 lat. -116.9595 lng.

Temperature: Water: 19 oC Air: 16 oC

Pool Depth: Surface Area:

at time of sampling: 8 cm at time of sampling: 13 m x 5 m

estimated maximum: 12 cm estimated maximum: 17 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 12 / 13 Time: 1220 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B7

Township: 2S Range: 1W Section: 35 33.9491 lat. -116.9591 lng.

Temperature: Water: 19 oC Air: 16 oC

Pool Depth: Surface Area:

at time of sampling: 7 cm at time of sampling: 9 m x 6 m

estimated maximum: 12 cm estimated maximum: 16 m x 8 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 12 / 13 Time: 1230 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B8

Township: 2S Range: 1W Section: 35 33.9489 lat. -116.9580 lng.

Temperature: Water: 19 oC Air: 16 oC

Pool Depth: Surface Area:

at time of sampling: 5 cm at time of sampling: 5 m x 5 m

estimated maximum: 10 cm estimated maximum: 10 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 12 / 13 Time: 1240 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B9

Township: 2S Range: 1W Section: 35 33.9488 lat. -116.9569 lng.

Temperature: Water: 19 oC Air: 16 oC

Pool Depth: Surface Area:

at time of sampling: 7 cm at time of sampling: 9 m x 3 m

estimated maximum: 14 cm estimated maximum: 14 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 12 / 13 Time: 1250 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B10

Township: 2S Range: 1W Section: 35 33.9488 lat. -116.9567 lng.

Temperature: Water: 19 oC Air: 16 oC

Pool Depth: Surface Area:

at time of sampling: 7 cm at time of sampling: 10 m x 6 m

estimated maximum: 12 cm estimated maximum: 14 m x 8 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Dissolved NH4: _____ ppt or ppm

pH: _____

Salinity : _____ ppt or ppm

Conductivity: _____ uMHO

Dissolved Oxygen: _____ ppm or mg/l

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 12 / 13 Time: 1400 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B18

Township: 3S Range: 1E Section: 5 33.9470 lat. -116.9018 lng.

Temperature: Water: 19 oC Air: 16 oC

Pool Depth: Surface Area:

at time of sampling: 10 cm at time of sampling: 12 m x 5 m

estimated maximum: 14 cm estimated maximum: 17 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 12 / 13 Time: 1410 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B19

Township: 3S Range: 1E Section: 5 33.9465 lat. -116.8954 lng.

Temperature: Water: 19 oC Air: 16 oC

Pool Depth: Surface Area:

at time of sampling: 8 cm at time of sampling: 11 m x 5 m

estimated maximum: 16 cm estimated maximum: 16 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1250 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B1

Township: 2S Range: 1W Section: 35 33.9497 lat. -116.9632 long.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 4 cm at time of sampling: 2 m x 2 m

estimated maximum: 8 cm estimated maximum: 4 m x 4 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: <u>cattle</u> | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road, pasture

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1300 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B2

Township: 2S Range: 1W Section: 35 33.9495 lat. -116.9633 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 7 cm at time of sampling: 12 m x 5 m

estimated maximum: 9 cm estimated maximum: 15 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH₄: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____ PERCENT CLOUD COVER: 90

_____ m _____

Salinity

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1310 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B3

Township: 2S Range: 1W Section: 35 33.9494 lat. -116.9621 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 5 cm at time of sampling: 6 m x 5 m

estimated maximum: 10 cm estimated maximum: 8 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1320 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B4

Township: 2S Range: 1W Section: 35 33.9493 lat. -116.9614 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 5 cm at time of sampling: 10 m x 5 m

estimated maximum: 10 cm estimated maximum: 13 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1330 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B5

Township: 2S Range: 1W Section: 35 33.9492 lat. -116.9604 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 8 cm at time of sampling: 8 m x 3 m

estimated maximum: 10 cm estimated maximum: 12 m x 5 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1340 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B6

Township: 2S Range: 1W Section: 35 33.9491 lat. -116.9595 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 8 cm at time of sampling: 11 m x 5 m

estimated maximum: 12 cm estimated maximum: 17 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH₄: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1350 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B7

Township: 2S Range: 1W Section: 35 33.9491 lat. -116.9591 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 9 cm at time of sampling: 11 m x 5 m

estimated maximum: 12 cm estimated maximum: 16 m x 8 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:

dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH₄: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1400 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B8

Township: 2S Range: 1W Section: 35 33.9489 lat. -116.9580 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 5 cm at time of sampling: 5 m x 4 m

estimated maximum: 10 cm estimated maximum: 10 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1410 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B9

Township: 2S Range: 1W Section: 35 33.9488 lat. -116.9569 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 8 cm at time of sampling: 8 m x 5 m

estimated maximum: 14 cm estimated maximum: 14 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 12 / 21 / 13 Time: 1420 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B10

Township: 2S Range: 1W Section: 35 33.9488 lat. -116.9567 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 8 cm at time of sampling: 9 m x 5 m

estimated maximum: 12 cm estimated maximum: 14 m x 8 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:

dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH₄: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: yes no
Copepods: yes no
Ostracods yes no
Fish yes no
Frogs yes no
Salamanders yes no
Waterfowl yes no
Other (specify) _____

Insects: (adult or larvae)
Anisoptera: yes no
Zygoptera: yes no
Hydrophilidae: yes no
Dytiscidae: yes no
Corixidae: yes no
Notonectidae: yes no
Belostomatidae: yes no
Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1500 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B14

Township: 3S Range: 1W Section: 1 33.9470 lat. -116.9445 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 5 cm at time of sampling: 7 m x 3 m

estimated maximum: 8 cm estimated maximum: 9 m x 4 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1520 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B16

Township: 2S Range: 1W Section: 36 33.9472 lat. -116.9322 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 6 cm at time of sampling: 11 m x 4 m

estimated maximum: 8 cm estimated maximum: 13 m x 5 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: <u>cattle</u> | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road, pasture

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1540 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B17

Township: 3S Range: 1E Section: 5 33.9470 lat. -116.9089 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 5 cm at time of sampling: 6 m x 1 m

estimated maximum: 7 cm estimated maximum: 8 m x 2 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: tire tracks | garbage | discing/plowing | |
| - ungrazed | grazed: <u>cattle</u> | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
pasture

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 90**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no Yes yes

Required color slides and/or photographs for the project site are included: ___ no Yes yes

Date: 02 / 21 / 13 Time: 1545 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B18

Township: 3S Range: 1E Section: 5 33.9470 lat. -116.9018 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 10 cm at time of sampling: 10 m x 3 m

estimated maximum: 14 cm estimated maximum: 17 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: PERCENT CLOUD COVER: 90

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 02 / 21 / 13 Time: 1553 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B19

Township: 3S Range: 1E Section: 5 33.9465 lat. -116.8954 lng.

Temperature: Water: 12 oC Air: 11 oC

Pool Depth: Surface Area:

at time of sampling: 9 cm at time of sampling: 12 m x 5 m

estimated maximum: 16 cm estimated maximum: 16 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: PERCENT CLOUD COVER: 90

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 03 / 07 / 13 Time: 1200 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B19

Township: 3S Range: 1E Section: 5 33.9465 lat. -116.8954 lng.

Temperature: Water: 17 oC Air: 17 oC

Pool Depth: Surface Area:

at time of sampling: 3 cm at time of sampling: 3 m x 1 m

estimated maximum: 16 cm estimated maximum: 16 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 100**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Branchinecta lindahli, 10s, reproductive

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 03 / 13 / 13 Time: 1520 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B14

Township: 3S Range: 1W Section: 1 33.9470 lat. -116.9445 lng.

Temperature: Water: 21 oC Air: 29 oC

Pool Depth: Surface Area:

at time of sampling: 2 cm at time of sampling: 3 m x 1 m

estimated maximum: 8 cm estimated maximum: 9 m x 4 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 03 / 13 / 13 Time: 1530 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B18

Township: 3S Range: 1E Section: 5 33.9470 lat. -116.9018 lng.

Temperature: Water: 21 oC Air: 29 oC

Pool Depth: Surface Area:

at time of sampling: 5 cm at time of sampling: 9 m x 1 m

estimated maximum: 14 cm estimated maximum: 17 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 03 / 13 / 13 Time: 1550 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B19

Township: 3S Range: 1E Section: 5 33.9465 lat. -116.8954 lng.

Temperature: Water: 21 oC Air: 29 oC

Pool Depth: Surface Area:

at time of sampling: 6 cm at time of sampling: 2 m x 8 m

estimated maximum: 16 cm estimated maximum: 16 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: **PERCENT CLOUD COVER: 0**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 03 / 14 / 13 Time: 1250 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B1

Township: 2S Range: 1W Section: 35 33.9497 lat. -116.9632 long.

Temperature: Water: 24 oC Air: 29 oC

Pool Depth: Surface Area:

at time of sampling: 3 cm at time of sampling: 1 m x 1 m

estimated maximum: 8 cm estimated maximum: 4 m x 4 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: <u>cattle</u> | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road, pasture

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity : _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes: PERCENT CLOUD COVER: 2

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 03 / 14 / 13 Time: 1300 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B2

Township: 2S Range: 1W Section: 35 33.9495 lat. -116.9633 lng.

Temperature: Water: 24 oC Air: 29 oC

Pool Depth: Surface Area:

at time of sampling: 7 cm at time of sampling: 13 m x 4 m

estimated maximum: 9 cm estimated maximum: 15 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: PERCENT CLOUD COVER: 2

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no Yes yes
 Required color slides and/or photographs for the project site are included: ___ no Yes yes
 Date: 03 / 14 / 13 Time: 1310 County: Riverside Quad: Beaumont
 Collector(s): Stan Spencer Permit #: 777965
 Site/Project Name: SCE West of Devers: E of El Casco Pool #: B3
 Township: 2S Range: 1W Section: 35 33.9494 lat. -116.9621 lng.
 Temperature: Water: 24 oC Air: 29 oC

Pool Depth: Surface Area:
 at time of sampling: 4 cm at time of sampling: 4 m x 1 m
 estimated maximum: 10 cm estimated maximum: 8 m x 6 m

Habitat Condition: (circle where appropriate)

| | | | | |
|--|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |
| - land use of habitat: <u>dirt road</u> | | | | |

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 2**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 03 / 14 / 13 Time: 1315 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B4

Township: 2S Range: 1W Section: 35 33.9493 lat. -116.9614 lng.

Temperature: Water: 24 oC Air: 29 oC

Pool Depth: Surface Area:

at time of sampling: 5 cm at time of sampling: 4 m x 4 m

estimated maximum: 10 cm estimated maximum: 13 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 2**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no Yes yes

Required color slides and/or photographs for the project site are included: ___ no Yes yes

Date: 03 / 14 / 13 Time: 1320 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B5

Township: 2S Range: 1W Section: 35 33.9492 lat. -116.9604 lng.

Temperature: Water: 24 oC Air: 29 oC

Pool Depth: Surface Area:

at time of sampling: 3 cm at time of sampling: 5 m x 2 m

estimated maximum: 10 cm estimated maximum: 12 m x 5 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|--|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH ₄ : _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity: _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: **PERCENT CLOUD COVER: 2**

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
 Conchostracans: yes no
 Copepods: yes no
 Ostracods yes no
 Fish yes no
 Frogs yes no
 Salamanders yes no
 Waterfowl yes no
 Other (specify) _____

Insects: (adult or larvae)
 Anisoptera: yes no
 Zygoptera: yes no
 Hydrophilidae: yes no
 Dytiscidae: yes no
 Corixidae: yes no
 Notonectidae: yes no
 Belostomatidae: yes no
 Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

| | | | |
|----------------|----------------------|----------------------------|---------------|
| <u>Species</u> | <u># Individuals</u> | <u>Accession/Catalog #</u> | <u>Pool #</u> |
|----------------|----------------------|----------------------------|---------------|

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no Yes yes

Required color slides and/or photographs for the project site are included: ____ no Yes yes

Date: 03 / 14 / 13 Time: 1325 County: Riverside Quad: Beaumont

Collector(s): Stan Spencer Permit #: 777965

Site/Project Name: SCE West of Devers: E of El Casco Pool #: B6

Township: 2S Range: 1W Section: 35 33.9491 lat. -116.9595 lng.

Temperature: Water: 24 oC Air: 29 oC

Pool Depth: Surface Area:

at time of sampling: 7 cm at time of sampling: 10 m x 5 m

estimated maximum: 12 cm estimated maximum: 17 m x 7 m

Habitat Condition: (circle where appropriate)

| | | | | |
|---------------|-------------------------------|---------|-----------------|-----------------------|
| - undisturbed | disturbed: <u>tire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: cattle | horses | sheep | other: <u>grading</u> |
| | | light | moderate | heavy |

- land use of habitat:
dirt road

(Optional) Water Chemistry Data

| | |
|---------------------------------------|---|
| Alkalinity (total): _____ ppm or mg/l | Conductivity: _____ uMHO |
| Dissolved NH4: _____ ppt or ppm | Dissolved Oxygen: _____ ppm or mg/l |
| pH: _____ | Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____ |
| Salinity : _____ ppt or ppm | Total Dissolved Solids (TDS): _____ ppm |

Notes: PERCENT CLOUD COVER: 2

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.