

CALIFORNIA NATIVE PLANT SOCIETY - VEGETATION RAPID ASSESSMENT FIELD FORM

(Revised Sept. 20, 2004)

For Office Use:	Final database #:	Final vegetation type name:	Alliance Association:
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28C.001
365

I. LOCATIONAL/ENVIRONMENTAL DESCRIPTION

Polygon/Stand #: TKW 001 Air photo #: case g. abag 03 Date: Sept 25 '04 Name(s) of surveyors: TKW, J Harwayne, June A, K Kraft, D Gault

GPS waypoint #: _____ GPS name: _____ GPS datum: (NAD 27) 83 Is GPS within stand? Yes / No
 If No, cite from GPS point to stand, the distance _____ (in meters) and bearing _____ (in degrees) GPS Error: ± 30 ft/m

UTM field reading: UTME 5 8 2 9 8 4 UTMN 4 0 9 4 9 5 9 UTM zone: 10 S

Elevation: 700 ft m Photograph #'s: none

Topography: convex _____ flat _____ concave _____ undulating X | top _____ upper X mid X lower _____ bottom _____

Geology: shst Soil Texture: MELD Rock: %Large 0 %Small 0 %Bare/Fine: 5 %Litter: 94 %BA Stems: 1

Slope exposure (circle one and/or enter actual °): NE _____ NW 300 SE _____ SW _____ Flat _____ Variable _____

Slope steepness (circle one and enter actual °): 0° _____ 1-5° _____ 5-25° 16 >25° _____ Upland or Wetland/Riparian (circle one)

Site history, stand age, and comments: Q parvula dominant scattered Umca, sese 2 armanz
- Sequoia logged ca 1000 ag - Dry rings, student trails on S, - sharp deeper cove
catch & sese - same stand to W & N - Krange parking lot to E

Type/ Level of disturbance (use codes): 01/L 05/L 20/L 19/L | | | | | | | | | |

II. VEGETATION DESCRIPTION

Field-assessed vegetation alliance name: Quercus parvula var. shrevei

Field-assessed association name (optional): _____

Size of stand: <1 acre _____ 1-5 acres 3 >5 acres _____ Adjacent alliances: Quercus lobata / Bixa S
Se semp - Psmel - Ldeni WONW parking lot F

Tree: T1 (<1" dbh), T2 (1-6" dbh), T3 (6-11" dbh), T4 (11-24" dbh), T5 (>24" dbh), T6 multi-layered (T3 or T4 layer under T5, >60% cover)
 If Tree, list 1-3 dominant overstory spp.: Q parvula

Shrub: S1 seedling (<3 yr. old), S2 young (<1% dead), S3 mature (1-25% dead), S4 decadent (>25% dead)

Herbaceous: H1 (<12" plant ht.), H2 (>12" ht.) Desert Palm/Joshua Tree: 1 (<1.5" base diameter), 2 (1.5-6" diam.), 3 (>6" diam.)

Desert Riparian Tree/Shrub: 1 (<2ft. stem ht.), 2 (2-10ft. ht.), 3 (10-20ft. ht.), 4 (>20ft. ht.)

% Overstory Conifer/Hardwood Tree cover: 2 / 48 Shrub cover: 25 Herbaceous cover: 2% Total Veg cover: 63%

Overstory Conifer/Hardwood height: 08 / 07 Tall Shrub/Low Shrub height: 03 / 01 Herbaceous height: 01

Height classes: 01=<1/2m 02=1/2-1m 03=1-2m 04=2-5m 05=5-10m 06=10-15m 07=15-20m 08=20-35m 09=35-50m 10=>50m

Species (List up to 12 major species), Stratum, and Approximate % cover: (Jepson Manual nomenclature please)

Stratum categories: T=tall, M=medium, L=low; % cover intervals for reference: <1%, 1-5%, >5-15%, >15-25%, >25-50%, >50-75%, >75%

Strata	Species	% cover	Strata	Species	% cover
L/M/T	<i>Quercus parvula shrevei</i>	61/48	L	<i>Rubus ursinus</i>	17
M/T	<i>Sequoia sempervirens</i>	<1/1/5	L	<i>Symphoricarpos mollis</i>	7
M	<i>Psudotsuga menziesii</i>	<1/1/5	L	<i>Stachys bullata</i>	1
L/M/T	<i>Umbellularia calif.</i>	<1/1/7	L	<i>Lonicera hispidula</i>	<1
M/T	<i>Arbutus menziesii</i>	<1/1/1	L	<i>Galium californicum</i>	<1
L/M/T	<i>Toxicodendron divers.</i>	all <1	M	<i>Bromus keuripes</i>	<1

Major non-native species - With % cover: Coleonastes sp. <1%, Hedera helix <1%

Unusual species: Corylus cornuta M <1%, Saturegia douglasii <1%, L. Whipplei malvata <1%

III. PROBLEMS WITH INTERPRETATION

Confidence in identification: (L, M, T) _____ Explain Saw most of our stand, clear ecological separation

Other identification problems (describe): - new alliance? - need more samples w/ releve, better

Polygon is more than one type: (Yes, No) _____ (Note: type with greatest coverage in polygon should be entered in above section)

Other types: _____

Has the vegetation changed since air photo taken? (Yes, No) _____ If Yes, how? What has changed (write N/A if so)? _____

from
atg
stands
phenology

CALIFORNIA NATIVE PLANT SOCIETY - VEGETATION RAPID ASSESSMENT FIELD FORM

(Revised Sept. 20, 2004)

For Office Use:	Final database #:	Final vegetation type name:	Alliance Association:
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I. LOCATIONAL/ENVIRONMENTAL DESCRIPTION

Polygon/Stand #: <u>UCSC 004</u>	Air photo #:	Date: <u>9/28/04</u>	Name(s) of surveyors: <u>LENN ROSE, DIANA HICKS, (CINCY WILSON), JEFF WILCOX, SLOTT HALL, KAREN CUTLER</u>
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GPS waypoint #: 01 GPS name: vegcamp546 GPS datum: (NAD-27) 83 Is GPS within stand? Yes / (No)

If No, cite from GPS point to stand, the distance 30m (in meters) and bearing 721° (in degrees) GPS Error: ±19.6 ft/m

UTM field reading: UTM E 592350 UTM N 4094642 UTM zone: 10s

Elevation: 645 ft/m Photograph #'s: 1-3 FROM E SIDE OF STAND FROM S TO N, 4-11 N, NE, E, SE, S, SW, W, NW

Topography: convex flat concave undulating | top upper mid lower bottom

Geology: LIME Soil Texture: MED Rock: %Large 1 %Small 41 %Bare/Fine: 4 %Litter: 93 %BA Stems: 2

Slope exposure (circle one and/or enter actual °): NE NW 290° SE SW Flat Variable

Slope steepness (circle one and enter actual °): 0° 1-5° 5-25° 15° > 25° Upland or Wetland/Riparian (circle one)

Site history, stand age, and comments: BROWNING BY DEER - M

Type/ Level of disturbance (use codes): 201L 041L | | | | | | | | | |

II. VEGETATION DESCRIPTION

Field-assessed vegetation alliance name: _____
Field-assessed association name (optional): _____

Size of stand: <1 acre 1-5 acres >5 acres Adjacent alliances: NON-NATIVE GRASSLAND E
SHRUBS UNCL 5 (DEER'S STAND)

Tree: T1 (<1" dbh), T2 (1-6" dbh), T3 (6-11" dbh), T4 (11-24" dbh), T5 (>24" dbh), T6 multi-layered (T3 or T4 layer under T5, >60% cover)
If Tree, list 1-3 dominant overstory spp.: BAY, SHAWNEE OAK, QUERCUS AGRIFFOLIA

Shrub: S1 seedling (<3 yr. old), S2 young (<1% dead), S3 mature (1-25% dead), S4 decadent (>25% dead)
Herbaceous: H1 (<12" plant ht.), H2 (>12" ht.) Desert Palm/Joshua Tree: 1 (<1.5" base diameter), 2 (1.5-6" diam.), 3 (>6" diam.)

Desert Riparian Tree/Shrub: 1 (<2ft. stem ht.), 2 (2-10ft. ht.), 3 (10-20ft. ht.), 4 (>20ft. ht.)
% Overstory Conifer/Hardwood Tree cover: <1 / 40 Shrub cover: 2 Herbaceous cover: 1 Total Veg cover: 48%

Overstory Conifer/Hardwood height: 07 / 09 Tall Shrub/Low Shrub height: 04 / 01 Herbaceous height: 01
Height classes: 01=<1/2m 02=1/2-1m 03=1-2m 04=2-5m 05=5-10m 06=10-15m 07=15-20m 08=20-35m 09=35-50m 10=>50m

Species (List up to 12 major species), Stratum, and Approximate % cover: (Jepson Manual nomenclature please)
Stratum categories: T=tall, M=medium, L=low; % cover intervals for reference: <1%, 1-5%, >5-15%, >15-25%, >25-50%, >50-75%, >75%

Strata Species	% cover	Strata Species	% cover
<u>L/M/T</u> QUERCUS AGRIFFOLIA <u>4/6/1</u>	<u>7</u>	<u>L</u> SATUREIA DOUGLASSII	<u>1</u>
<u>L/M/T</u> QUERCUS PARVULA SHAWNEE <u>6/0/13</u>	<u>13</u>	<u>L/T</u> TOXICODENDRON DUNSMITHII	<u>1/41</u>
<u>M/T</u> UNIDENTIFIED CRAYFISH	<u>1/20</u>	<u>LM</u> ROSA GYMNOCARPA	<u>41/2</u>
<u>L</u> SYMPLOCARPA	<u>3</u>	<u>L</u> FRAGARIA VESCA	<u><1</u>
<u>L</u> RIBUS URSINUS	<u>1</u>	<u>L</u> LONICERA HYPERICIFOLIA	<u><1</u>
<u>M</u> CORNUS CORNUTA	<u><1</u>	<u>T</u> PSEUDOTSUGA MONZESII	<u><1</u>

Major non-native species - With % cover: 11 11 11 11

Unusual species: PINUS PANDORA ARBUSCULUS MONZESII

III. PROBLEMS WITH INTERPRETATION

Confidence in identification: (L, M, H) _____ Explain _____

Other identification problems (describe): _____

Polygon is more than one type: (Yes, No) _____ (Note: type with greatest coverage in polygon should be entered in above section)

Other types: _____

Has the vegetation changed since air photo taken? (Yes, No) _____ If Yes, how? What has changed (write N/A if so)? _____

#5 ARC UCSC-4-#-JPG

CALIFORNIA NATIVE PLANT SOCIETY - VEGETATION RAPID ASSESSMENT FIELD FORM

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For Office Use:	Final database #:	Final vegetation type name:	Alliance Association
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I. LOCATIONAL/ENVIRONMENTAL DESCRIPTION

Polygon/Stand #: UCSC.005	Air photo #: SC-25	Date: 9/28/04	Name(s) of surveyors: Anne Klein, Kent Beeres, Tom Grahm, Linda Esposito, Janet Klein, Helen Thompson
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GPS waypoint #: 002 GPS name: Garmin 94 GPS datum: (NAD 27) N83 Is GPS within stand? Yes / No

If No, cite from GPS point to stand, the distance _____ (in meters) and bearing _____ (in degrees) GPS Error: ± 21 ft m

UTM field reading: UTME 5 8 2 9 1 2 UTMN 4 0 9 4 5 0 7 UTM zone: 10 S

Elevation: 665 ft/m Photograph #'s: 5-7N, 1e; 7NE, 77E, 87S, 97W, 10-NW

Topography: convex _____ flat _____ concave undulating _____ | top _____ upper _____ mid lower _____ bottom _____

Geology: _____ Soil Texture: MELD Rock: %Large 0 %Small 4 %Bare/Fine: 2 %Litter: 77 %BA Stems: 1

Slope exposure (circle one and/or enter actual °): NE _____ NW _____ SE _____ SW 242° Flat _____ Variable _____

Slope steepness (circle one and enter actual °): 0° _____ 1-5° _____ 5-25° 7° >25° Upland or Wetland/Riparian (circle one)

Site history, stand age, and comments: Stand has been logged in past. Redwoods are ~ 75 yrs. old. Trees w/ multiple trunks. Redwoods occur along undulating concavity that runs through Bay & oak stand. On UC campus w/in. Fire history.

Type/ Level of disturbance (use codes): 19/L 20/L 01/L _____ / _____ / _____ / _____ / _____ / _____

II. VEGETATION DESCRIPTION

Field-assessed vegetation alliance name: *Sequoia sempervirens*

Field-assessed association name (optional): SESE = Umbellularia californica

Size of stand: <1 acre _____ 1-5 acres >5 acres _____ Adjacent alliances: *Brieta maxima* Arena 110m/N

Tree: T1 (<1" dbh), T2 (1-6" dbh), T3 (6-11" dbh), T4 (11-24" dbh), T5 (>24" dbh), T6 multi-layered (T3 or T4 layer under T5, >60% cover)

If Tree, list 1-3 dominant overstory spp.: *Sequoia semp.*, *Umbellularia calif.*, *QUPA*

Shrub: S1 seedling (<3 yr. old), S2 young (<1% dead), S3 mature (1-25% dead), S4 decadent (>25% dead)

Herbaceous: H1 (<12" plant ht.), H2 (>12" ht.) Desert Palm/Joshua Tree: 1 (<1.5" base diameter), 2 (1.5-6" diam.), 3 (>6" diam.)

Desert Riparian Tree/Shrub: 1 (<2ft. stem ht.), 2 (2-10ft. ht.), 3 (10-20ft. ht.), 4 (>20ft. ht.)

% Overstory Conifer/Hardwood Tree cover: 20/50 Shrub cover: 0 Herbaceous cover: 41 Total Veg cover: 65

Overstory Conifer/Hardwood height: 68/07 Tall Shrub/Low Shrub height: _____ Herbaceous height: 01

Height classes: 01=<1/2m 02=1/2-1m 03=1-2m 04=2-5m 05=5-10m 06=10-15m 07=15-20m 08=20-35m 09=35-50m 10=>50m

Species (List up to 12 major species), Stratum, and Approximate % cover: (Jepson Manual nomenclature please)

Stratum categories: T=tall, M=medium, L=low; % cover intervals for reference: <1%, 1-5%, >5-15%, >15-25%, >25-50%, >50-75%, >75%					
Strata	Species	% cover	Strata Species % cover		
L/M/T	<i>Sequoia semp.</i>	41/4/20	L	Orchid	21
L/M/T	UMB: CAL	4/1/23	L	Galium	<1
L/M/T	QUPA shrubs	4/4/27	L	<i>Toxicodendron divers.</i>	<1
L	<i>Rubus ursinus</i>	1	L	<i>Polystichum muricatum</i>	1
L	<i>Symphoricarpos albus</i>	2	L	<i>Dryopteris argenta</i>	<1
L	<i>Satureja douglasii</i>	41	L	<i>Torilis sp.</i>	<1

Major non-native species - With % cover: _____

Unusual species: _____

III. PROBLEMS WITH INTERPRETATION

Confidence in identification: ^{of Alliance} (L) (M) (H) _____ Explain 3 tree species codominant

Other identification problems (describe): _____

Polygon is more than one type: (Yes, No) Yes, No _____ (Note: type with greatest coverage in polygon should be entered in above section)

Other types: UMCA, QUER. PARV. _____

Has the vegetation changed since air photo taken? (Yes, No) Yes, No _____ If Yes, how? What has changed (write N/A if so)? _____

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For Office Use:	Final database #:	Final vegetation type name:	Alliance Association:
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I. LOCATIONAL/ENVIRONMENTAL DESCRIPTION

Polygon/Stand #: UCSC 006 Air photo #: Cave Gulch Date: 9-28-04 Name(s) of surveyors: Ran, Jeff, Lewis, Cindy, Brett, Dianna

GPS waypoint #: 002 GPS name: Viglaug 5464 GPS datum: (NAD 27) 83 Is GPS within stand? Yes No

If No, cite from GPS point to stand, the distance 0 (in meters) and bearing 0 (in degrees) GPS Error: ± 12 (ft) m

UTM field reading: UTME 582977 UTMN 4094738 UTM zone: 10S

Elevation: 694 (ft) m Photograph #'s: 0

Topography: convex flat concave undulating | top upper mid lower bottom

Geology: LIME Soil Texture: MCSL Rock: %Large 4 %Small 0 %Bare/Fine: 4 %Litter: 97 %BA Stems: <2

Slope exposure (circle one and/or enter actual °): NE NW SE 192 Flat Variable

Slope steepness (circle one and enter actual °): 0° 1-5 3° 5-25° >25° Upland or Wetland/Riparian (circle one)

Site history, stand age, and comments: trails along side of Baecharis

Type/Level of disturbance (use codes): 19/M 20/H 05/H 29/M

II. VEGETATION DESCRIPTION

Field-assessed vegetation alliance name: Coyote brush

Field-assessed association name (optional): _____

Size of stand: <1 acre 1-5 acres >5 acres Adjacent alliances: _____

Tree: T1 (<1" dbh), T2 (1-6" dbh), T3 (6-11" dbh), T4 (11-24" dbh), T5 (>24" dbh), T6 multi-layered (T3 or T4 layer under T5, >60% cover)

If Tree, list 1-3 dominant overstory spp.: _____

Shrub: S1 seedling (<3 yr. old), S2 young (<1% dead), S3 mature (1-25% dead), S4 decadent (>25% dead)

Herbaceous: H1 (<12" plant ht.), H2 (>12" ht.) Desert Palm/Joshua Tree: 1 (<1.5" base diameter), 2 (1.5-6" diam.), 3 (>6" diam.)

Desert Riparian Tree/Shrub: 1 (<2ft. stem ht.), 2 (2-10ft. ht.), 3 (10-20ft. ht.), 4 (>20ft. ht.)

% Overstory Conifer/Hardwood Tree cover: 4 Shrub cover: 65 Herbaceous cover: 20 Total Veg cover: 85

Overstory Conifer/Hardwood height: 7 Tall Shrub/Low Shrub height: 04 Herbaceous height: 02

Height classes: 01=<1/2m 02=1/2-1m 03=1-2m 04=2-5m 05=5-10m 06=10-15m 07=15-20m 08=20-35m 09=35-50m 10=>50m

Species (List up to 12 major species), Stratum, and Approximate % cover: (Jepson Manual nomenclature please)

Stratum categories: T=tall, M=medium, L=low; % cover intervals for reference: <1%, 1-5%, >5-15%, >15-25%, >25-50%, >50-75%, >75%

Strata	Species	% cover	Strata	Species	% cover
M/L	<i>Baecharis pilularis</i>	65	M	<i>Lonicera interrupta</i>	
M	Broken fern - <i>Pteridium aquil.</i>	3	L	<i>Briza major</i>	8
L	<i>Rubus ursinus</i>	1	L	<i>Bromus diandrus</i>	1
M	<i>Q. agrifolia</i>	<1	L	<i>Avena fatua</i>	1
M	<i>Grasshopper</i> sp <i>californiana</i>	<1	L	<i>Bromus hordeaceus</i>	<1
L	<i>Toxicodendron diversilobum</i>	<1			

Major non-native species - With % cover: but ~~not~~ *Cirsium vulgare*

Unusual species: _____

III. PROBLEMS WITH INTERPRETATION

Confidence in identification: (L, M, H) Explain _____

Other identification problems (describe): time of year bad for herbaceous

Polygon is more than one type: (Yes No (Note: type with greatest coverage in polygon should be entered in above section)

Other types: _____

Has the vegetation changed since air photo taken? (Yes No If Yes, how? What has changed (write N/A if so)? growth of Baecharis

CALIFORNIA NATIVE PLANT SOCIETY - VEGETATION RAPID ASSESSMENT FIELD FORM

(Revised Sept. 20, 2004)

For Office Use:	Final database #:	Final vegetation type name:	Alliance Association
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I. LOCATION/ENVIRONMENTAL DESCRIPTION

Polygon/Stand #: <u>UCSC-007</u>	Air photo #:	Date: <u>9/28/04</u>	Name(s) of surveyors: <u>AK</u>
GPS waypoint #: <u>9</u> GPS name: <u>T653</u> GPS datum: (NAD 27) <u>N83</u> Is GPS within stand? <u>(Yes)</u> No			
If No, cite from GPS point to stand, the distance _____ (in meters) and bearing _____ (in degrees) GPS Error: ± _____ ft/m			
UTM field reading: UTME <u>582861</u> UTMN <u>4094567</u> UTM zone: <u>10S</u>			
Elevation: <u>700</u> (ft) m Photograph #'s: <u>11-N, 12-NE, 13-E, 14-S, 15-W, 16-NW</u>			
Topography: convex _____ flat _____ concave _____ undulating <u>X</u> top _____ upper _____ mid <u>X</u> lower _____ bottom _____			
Geology: _____ Soil Texture: <u>MESA</u> Rock: %Large <u>2</u> %Small <u>4</u> %Bare/Fine: <u>2</u> %Litter: <u>95</u> %BA Stems: <u>4</u>			
Slope exposure (circle one and/or enter actual °): NE _____ NW _____ <u>(SE) 160°</u> SW _____ Flat _____ Variable _____			
Slope steepness (circle one and enter actual °): 0° _____ 1-5° _____ <u>(5-25) 9</u> >25° _____ <u>(Upland)</u> or Wetland/Riparian (circle one)			

Site history, stand age, and comments: Logged historically. Some stumps. Mixture of UMCA, QUPASH, QUAG on undulating slopes. Red woods in stand occur in island. High litter. Multiple trunks.

Type/ Level of disturbance (use codes): 1/L 19/L 20/L _____

II. VEGETATION DESCRIPTION

Field-assessed vegetation alliance name: Quercus parvula^{SNR} - UMB CAL

Field-assessed association name (optional): _____

Size of stand: <1 acre _____ (1-5) acres 2 >5 acres _____ Adjacent alliances: Brija-Arena (60m/360°)

Tree: T1 (<1" dbh), T2 (1-6" dbh), T3 (6-11" dbh), T4 (11-24" dbh), (T5) 24" dbh, T6 multi-layered (T3 or T4 layer under T5, >60% cover)

If Tree, list 1-3 dominant overstory spp.: SEQ. SEMP., UMCA, QUPASH, QUAG

Shrub: S1 seedling (<3 yr. old), (S2) young (<1% dead), S3 mature (1-25% dead), S4 decadent (>25% dead)

Herbaceous: (H1) (<12" plant ht.), H2 (>12" ht) Desert Palm/Joshua Tree: 1 (<1.5" base diameter), 2 (1.5-6" diam.), 3 (>6" diam.)

Desert Riparian Tree/Shrub: 1 (<2ft. stem ht.), 2 (2-10ft. ht.), 3 (10-20ft. ht.), 4 (>20ft. ht.)

% Overstory Conifer/Hardwood Tree cover: 2/68 Shrub cover: 4 Herbaceous cover: 2 Total Veg cover: 70

Overstory Conifer/Hardwood height: 08/07 Tall Shrub/Low Shrub height: 02+ Herbaceous height: 01

Height classes: 01=<1/2m 02=1/2-1m 03=1-2m 04=2-5m 05=5-10m 06=10-15m 07=15-20m 08=20-35m 09=35-50m 10=>50m

Species (List up to 12 major species), Stratum, and Approximate % cover: (Jepson Manual nomenclature please)

Stratum categories: T=tall, M=medium, L=low; % cover intervals for reference: <1%, 1-5%, >5-15%, >15-25%, >25-50%, >50-75%, >75%

Strata	Species	% cover	Strata	Species	% cover
	Seq. smp	41/12	UM	TOX DIV	1/2
L/M/T	Umb cal	30	L	RUB URS	2
L/M/H	QUPA v. Shrev	38	L	SYMPHOR. NOD.	4
L	Juncus patens	41	L	Torilis sp.	41
L	Satureja doug.	41	L	Stachys bolata	41
M	Bronitic carin.	41	HT	QUAG	41/2

Major non-native species - With % cover: L Fragaria vesca - 41

Unusual species: _____

III. PROBLEMS WITH INTERPRETATION

Confidence in identification: (L, M, (H)) Explain _____

Other identification problems (describe): _____

Polygon is more than one type: (Yes, No) (Note: type with greatest coverage in polygon should be entered in above section)

Other types: see CAGU-0001

Has the vegetation changed since air photo taken? (Yes, (No)) If Yes, how? What has changed (write N/A if so)? _____