

Chorizanthe pungens var. pungens

Monterey spineflower

Element Code: PDPGN040M2

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

Habitat Associations

General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.

Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 0-150M.

Occurrence No. 2	Map Index: 41985	EO Index: 29609	Dates Last Seen
Occ Rank: Unknown			Element: 1994-05-18
Origin: Natural/Native occurrence			Site: 1994-05-18
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2000-01-07
Main Source: ARMY CORPS OF ENGINEERS 1992 (LIT)			

Quad Summary: SPRECKELS (3612156/365C), SEASIDE (3612157/366D), SALINAS (3612166/365B), MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.63128° / -121.76629°	Township: 15S
UTM: Zone-10 N4054678 E610301	Range: 02E
Area: 16,678.2 ac	Section: 08
Elevation: 400 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: FORT ORD MILITARY RESERVATION; FROM MARINA EAST TO BARLOY CANYON ROAD AND SOUTH TO S-BOUNDARY OF BASE (NEAR HWY 68).

Location Detail: 4 OCCURRENCES WERE LUMPED INTO THIS HUGE, MORE GENERAL ONE. MORE SPECIFIC LOCALITIES WHERE PLANTS HAVE BEEN SEEN INCLUDE: ALONG BLANCO RD, 0.1 MI E OF RESERVATION RD, SAND DUNES NEAR GIGLING, & 0.3 MI E OF JCT RESERVATION RD & BEYER ST.

Ecological: GILIA TENUIFLORA ARENARIA ALSO FOUND IN THIS VICINITY.

Threat: ORVS AND POTENTIAL ROAD WIDENING THREATEN.

General: MAIN INFORMATION SOURCE IS VAGUE MAP; DETAILED SURVEYS AND ECOLOGICAL INFORMATION NEEDED. INCLUDES FORMER OCCURRENCE #S 11, 22, 23, 33. ONLY THE AREA AT RESERVATION RD & BEYER ST SURVEYED IN 1994; REMAINDER OF OCCURRENCE SURVEYED IN 1992.

Owner/Manager: BLM-FORT ORD

Occurrence No. 4	Map Index: 22099	EO Index: 8270	Dates Last Seen
Occ Rank: Unknown			Element: 1963-06-08
Origin: Natural/Native occurrence			Site: 1963-06-08
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-01-14
Main Source: HOOVER, R. #5223 UC (HERB)			

Quad Summary: MONTEREY (3612158/366C)

County Summary: MONTEREY

Lat/Long: 36.62722° / -121.93933°	Township: 15S
UTM: Zone-10 N4054043 E594834	Range: 01W
Area: 153.7 ac	Section: XX
Elevation: 20 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: JUST S OF PT PINOS, PACIFIC GROVE.

Location Detail: ALSO COLLECTED AT ASILOMAR BY ROSE IN 1963.

Ecological: GROWING WITHIN COASTAL DUNE HABITAT.

General: SPECIMEN ANNOTATED BY REVEAL, 1987. HERBARIUM LABELS ARE ONLY SOURCE OF INFORMATION FOR THIS SITE; NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Chorizanthe pungens var. pungens

Monterey spineflower

Element Code: PDPGN040M2

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

Habitat Associations

General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.
Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 0-150M.

Occurrence No. 5	Map Index: 09802	EO Index: 28988	Dates Last Seen
Occ Rank: Unknown			Element: 1940-06-22
Origin: Natural/Native occurrence			Site: 1940-06-22
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-11
Main Source: TRACY, J. #16580 UC (HERB)			

Quad Summary: MONTEREY (3612158/366C)
County Summary: MONTEREY

Lat/Long:	Mapping Precision:	Township:
UTM:	Symbol Type:	Range:
Radius:		Section:
Elevation:		Meridian:
		Qtr:

Location: NEAR CYPRESS PT, MONTEREY PENINSULA.
Ecological: IN SANDY SOIL NEAR OCEAN.
General: SPECIMEN ANNOTATED BY REVEAL, 1987.
Owner/Manager: UNKNOWN

Occurrence No. 6	Map Index: 11476	EO Index: 20953	Dates Last Seen
Occ Rank: Unknown			Element: 1920-04-06
Origin: Natural/Native occurrence			Site: 1920-04-06
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-11
Main Source: JEPSON, W. #8431 UC (HERB)			

Quad Summary: SOLEDAD (3612143/342A)
County Summary: MONTEREY

Lat/Long: 36.40217° / -121.32798°	Mapping Precision: NON-SPECIFIC	Township: 17S
UTM: Zone-10 N4029854 E649932	Symbol Type: POINT	Range: 06W
Radius: 1 mile		Section: XX
Elevation: 170 ft		Meridian: M
		Qtr: XX

Location: SANDY BED OF ARROYO SECO NEAR MISSION SOLEDAD.
General: SPECIMEN ANNOTATED BY REVEAL, 1987.
Owner/Manager: UNKNOWN

Occurrence No. 7	Map Index: 10764	EO Index: 8274	Dates Last Seen
Occ Rank: Unknown			Element: 1989-04-XX
Origin: Natural/Native occurrence			Site: 1989-04-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-01-14
Main Source: YADON, V. 1989 (MAP)			

Quad Summary: PRUNEDALE (3612176/386C)
County Summary: MONTEREY

Lat/Long: 36.79967° / -121.67802°	Mapping Precision: SPECIFIC	Township: 13S
UTM: Zone-10 N4073464 E617935	Symbol Type: POLYGON	Range: 03E
Area: 29.9 ac		Section: XX
Elevation: 300 ft		Meridian: M
		Qtr: XX

Location: MANZANITA PARK NEAR PRUNEDALE.
Ecological: ON SANDY SOIL, ASSOCIATED WITH CHORIZANTHE DIFFUSA AND PUTATIVE HYBRIDS IN OPEN AREAS BETWEEN THICKETS OF ARCTOSTAPHYLOS PAJAROENSIS, A. HOOKERI, ETC.
General: SPECIMEN ANNOTATED BY REVEAL, 1987.
Owner/Manager: MNT COUNTY

Chorizanthe pungens var. pungens

Monterey spineflower

Element Code: PDPGN040M2

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

Habitat Associations

General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.

Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 0-150M.

Occurrence No. 8	Map Index: 10147	EO Index: 13849	Dates Last Seen
Occ Rank: Unknown			Element: 1992-04-14
Origin: Natural/Native occurrence			Site: 1992-04-14
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-02-15
Main Source: DORRELL-CANEPA, J. 1992 (OBS)			

Quad Summary: SEASIDE (3612157/366D), MONTEREY (3612158/366C)

County Summary: MONTEREY

Lat/Long: 36.60146° / -121.87243°	UTM: Zone-10 N4051254 E600849	Area: 27.5 ac	Elevation: 20 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 15S	Range: 01E	Section: XX	Qtr: XX
						Meridian: M			

Location: U.S. NAVY POST GRADUATE SCHOOL DUNES, BOTH SIDES OF ROAD TO WASTE TREATMENT PLANT.

Ecological: ASSOCIATED WITH GILIA TENUIFLORA SSP. ARENARIA, ERYSIMUM AMMOPHILUM, BROMUS DIANDRUS, AND MESEMBYANTHEMUM SP.

Threat: TRAMPLING, WEED CONTROL VIA HERBICIDES AND INVASION BY ICEPLANT AND RIPGUT.

General: ALL SPECIMENS ANNOTATED BY REVEAL, 1987. CHORIZANTHE ON SITE IN 1992 WAS PROLIFIC BUT ID WAS UNCERTAIN AS TO WHETHER IT WAS C. PUNGENS PUNGENS OR C. ROBUSTA ROBUSTA.

Owner/Manager: DOD-NAVY POST GRADUATE SCHOOL

Occurrence No. 10	Map Index: 10027	EO Index: 20949	Dates Last Seen
Occ Rank: Unknown			Element: 1908-06-17
Origin: Natural/Native occurrence			Site: 1908-06-17
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-11
Main Source: BRANDEGEE, K. SN UC #112853 (HERB)			

Quad Summary: MONTEREY (3612158/366C)

County Summary: MONTEREY

Lat/Long: 36.62245° / -121.91162°	UTM: Zone-10 N4053542 E597318	Radius: 1 mile	Elevation: 20 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 99X	Range: 01W	Section: XX	Qtr: XX
						Meridian: M			

Location: CLIFFS OF PACIFIC GROVE.

General: ALL SPECIMENS ANNOTATED BY REVEAL, 1987.

Owner/Manager: UNKNOWN

Occurrence No. 12	Map Index: 10407	EO Index: 20948	Dates Last Seen
Occ Rank: Unknown			Element: 1936-05-01
Origin: Natural/Native occurrence			Site: 1936-05-01
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-11
Main Source: YATES, H. #5571 UC (HERB)			

Quad Summary: MOSS LANDING (3612177/387D)

County Summary: MONTEREY, SANTA CRUZ

Lat/Long: 36.85296° / -121.81046°	UTM: Zone-10 N4079221 E606045	Radius: 1 mile	Elevation:	Mapping Precision: NON-SPECIFIC	Symbol Type: POINT	Township: 12S	Range: 01E	Section: XX	Qtr: XX
						Meridian: M			

Location: MOUTH OF PAJARO RIVER.

General: SPECIMEN ANNOTATED BY REVEAL, 1987.

Owner/Manager: UNKNOWN

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Monterey spineflower

Element Code: PDPGN040M2

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

Habitat Associations

General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.

Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 0-150M.

Occurrence No. 13	Map Index: 10228	EO Index: 20951	Dates Last Seen
Occ Rank: Unknown			Element: 1950-07-12
Origin: Natural/Native occurrence			Site: 1950-07-12
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-03-07
Main Source: RAVEN, P. #2549 UC (HERB)			

Quad Summary: SEASIDE (3612157/366D), MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.61661° / -121.85301°	Township: 99X
UTM: Zone-10 N4052955 E602566	Range: 01E
Radius: 1 mile	Section: XX
Elevation: 20 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POINT	

Location: SAND HILLS NORTH OF SEASIDE.

General: SPECIMEN ANNOTATED BY REVEAL, 1987.

Owner/Manager: UNKNOWN

Occurrence No. 14	Map Index: 10682	EO Index: 20946	Dates Last Seen
Occ Rank: Unknown			Element: 1936-05-19
Origin: Natural/Native occurrence			Site: 1936-05-19
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1989-08-11
Main Source: BELSHAW, C. #2141 UC (HERB)			

Quad Summary: PRUNEDALE (3612176/386C), WATSONVILLE EAST (3612186/386B)

County Summary: MONTEREY

Lat/Long: 36.88840° / -121.71713°	Township: 12S
UTM: Zone-10 N4083260 E614313	Range: 02E
Radius: 1 mile	Section: 14
Elevation: 200 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POINT	

Location: 1.5 MI E OF WATSONVILLE JUNCTION.

General: SPECIMEN ANNOTATED BY REVEAL, 1987. LABEL SAYS SANTA CRUZ COUNTY, BUT WATSONVILLE JUNCTION AND THE TOWNSHIP RANGE AND SECTION ARE IN MONTEREY COUNTY.

Owner/Manager: UNKNOWN

Occurrence No. 16	Map Index: 10421	EO Index: 22005	Dates Last Seen
Occ Rank: Unknown			Element: 1987-XX-XX
Origin: Natural/Native occurrence			Site: 1987-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-02-19
Main Source: ZOGER & PAVLIK 1987 (LIT)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.72476° / -121.80119°	Township: 14S
UTM: Zone-10 N4065009 E607050	Range: 01E
Area: 10.9 ac	Section: XX
Elevation: 20 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: NORTH OF MARINA, 1.2 KM (0.8 MI) NORTHWEST OF LAPIS SIDING.

General: MAP DETAIL IS MAIN SOURCE OF INFORMATION; TWO SUBPOPULATIONS FOR THIS OCCURRENCE.

Owner/Manager: PVT

Chorizanthe pungens var. pungens

Monterey spineflower

Element Code: PDPGN040M2

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

Habitat Associations

General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.
Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 0-150M.

Occurrence No. 17	Map Index: 10425	EO Index: 22003	Dates Last Seen
Occ Rank: Unknown			Element: 1987-XX-XX
Origin: Natural/Native occurrence			Site: 1987-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-02-19
Main Source: ZOGER & PAVLIK 1987 (LIT)			

Quad Summary: MARINA (3612167/366A)
County Summary: MONTEREY

Lat/Long: 36.71585° / -121.80101°	Township: 14S
UTM: Zone-10 N4064021 E607079	Range: 01E
Radius: 80 meters	Section: XX
Elevation: 60 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: NORTH OF MARINA, 0.8 KM (0.5 MI) WEST OF LAPIS SIDING.

General: MAP DETAIL IS MAIN SOURCE OF INFORMATION.

Owner/Manager: PVT

Occurrence No. 18	Map Index: 10401	EO Index: 22004	Dates Last Seen
Occ Rank: Unknown			Element: 1987-XX-XX
Origin: Natural/Native occurrence			Site: 1987-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-02-19
Main Source: ZOGER & PAVLIK 1987 (LIT)			

Quad Summary: MARINA (3612167/366A)
County Summary: MONTEREY

Lat/Long: 36.70301° / -121.80600°	Township: 14S
UTM: Zone-10 N4062591 E606651	Range: 01E
Area: 13.8 ac	Section: XX
Elevation: 40 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: NORTH OF MARINA, 2 KM (1.2 MI) SOUTHWEST OF LAPIS SIDING.

General: MAP DETAIL IS MAIN SOURCE OF INFORMATION. THREE SUBPOPULATIONS FOR THIS OCCURRENCE.

Owner/Manager: PVT

Occurrence No. 19	Map Index: 10272	EO Index: 8301	Dates Last Seen
Occ Rank: Unknown			Element: 1986-06-18
Origin: Natural/Native occurrence			Site: 1986-06-18
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-01-06
Main Source: SHOWERS, M. 1986 (OBS)			

Quad Summary: WATSONVILLE WEST (3612187/387A)
County Summary: SANTA CRUZ

Lat/Long: 36.91711° / -121.85233°	Township: 12S
UTM: Zone-10 N4086292 E602227	Range: 01E
Radius: 80 meters	Section: XX
Elevation: 40 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: MANRESA STATE BEACH, APPROX 0.75 AIR MILE WNW OF MONTEREY BAY ACADEMY.

Location Detail: ALSO ASSUMED TWO OLD JEPSON COLLECTIONS AT THE MYSTERIOUS LOCALITY OF "GLEN ECHO" WERE MADE IN THIS AREA.

Ecological: ON TOP OF COASTAL BLUFF NEAR EDGE OF ERODING RAVINE. ON ELDER SANDY LOAM SOIL IN A WEED FIELD NEAR EUCALYPTUS GROVE. ASSOCIATED WITH PLANTAGO CORONOPUS, AVENA BARBATA, RAPHANUS SATIVA, AND CAMISSONIA CHEIRANTHIFOLIA.

Threat: RECREATIONAL USE OF THE AREA IS A SOURCE OF DISTURBANCE.

General: LESS THAN 50 PLANTS IN TWO SUBPOPULATIONS.

Owner/Manager: DPR-MANRESA SB

Chorizanthe pungens var. pungens

Monterey spineflower

Element Code: PDPGN040M2

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

Habitat Associations

General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.
Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 0-150M.

Occurrence No. 20	Map Index: 22088	EO Index: 8275	Dates Last Seen
Occ Rank: Unknown			Element: 1929-06-09
Origin: Natural/Native occurrence			Site: 1929-06-09
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1992-12-28
Main Source: DEARING & DEARING POM #161512 (HERB)			

Quad Summary: PRUNEDALE (3612176/386C), MOSS LANDING (3612177/387D)
County Summary: MONTEREY

Lat/Long: 36.76738° / -121.75664°	Township: 13S
UTM: Zone-10 N4069788 E610968	Range: 02E
Radius: 1 mile	Section: XX
Elevation: 15 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: CASTROVILLE.

General: HERBARIUM LABEL IS ONLY SOURCE OF INFORMATION; NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No. 21	Map Index: 22087	EO Index: 13306	Dates Last Seen
Occ Rank: Unknown			Element: 1952-05-18
Origin: Natural/Native occurrence			Site: 1952-05-18
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-01-14
Main Source: ANONYNOUS SJSU (HERB)			

Quad Summary: MOSS LANDING (3612177/387D)
County Summary: MONTEREY

Lat/Long: 36.81529° / -121.79109°	Township: 13S
UTM: Zone-10 N4075063 E607825	Range: 01E
Area: 57.9 ac	Section: 01
Elevation: 10 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: POLYGON	

Location: NEAR MOSS LANDING, 5 MILES SOUTHWEST OF WATSONVILLE (MAPPED JUST NORTH OF MOSS LANDING IN DUNES).

Ecological: GROWING ON SANDY GROUND BORDERING SALINE LEVELS.

General: HERBARIUM LABEL IS ONLY SOURCE OF INFORMATION; NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No. 24	Map Index: 22075	EO Index: 8269	Dates Last Seen
Occ Rank: Unknown			Element: 1988-05-30
Origin: Natural/Native occurrence			Site: 1988-05-30
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-10-28
Main Source: REVEAL, J. #6951 RSA (HERB)			

Quad Summary: SEASIDE (3612157/366D)
County Summary: MONTEREY

Lat/Long: 36.59078° / -121.83710°	Township: 15S
UTM: Zone-10 N4050107 E604024	Range: 01E
Radius: 1/5 mile	Section: XX
Elevation: 150 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: DEL REY OAKS, EAST OF AIRPORT, 0.7 MI NORTH OF JUNCTION OF HWY 218 AND HWY 68.

Location Detail: 1.4 MILES SOUTH OF MAIN STREET IN SEASIDE AND 0.7 MILE NORTH OF THE JUNCTION OF HWY 68. AT ENTRANCE TO "THE OAKS".

Ecological: GROWING IN SANDY SOILS IN ASSOCIATION WITH QUERCUS SP., PINUS SP., AND ARTEMISIA SP.

General: HERBARIUM LABELS ARE ONLY SOURCE OF INFORMATION FOR THIS SITE; NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Chorizanthe pungens var. pungens

Monterey spineflower

Element Code: PDPGN040M2

Status	NDDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

Habitat Associations

General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.

Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 0-150M.

Occurrence No. 25	Map Index: 22752	EO Index: 14081	Dates Last Seen
Occ Rank: Unknown			Element: 1987-XX-XX
Origin: Natural/Native occurrence			Site: 1987-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-02-10
Main Source: ZOGER & PAVLIK 1987 (LIT)			

Quad Summary: MARINA (3612167/366A)
County Summary: MONTEREY

Lat/Long: 36.72908° / -121.80071°	UTM: Zone-10 N4065489 E607087	Radius: 80 meters	Elevation: 40 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 14S	Range: 01E	Section: XX	Qtr: XX
						Meridian: M			

Location: NORTH OF MARINA, 1.7 KM (1 MI) NNW OF LAPIS SIDING.

General: MAP DETAIL IS MAIN SOURCE OF INFORMATION.

Owner/Manager: PVT

Occurrence No. 26	Map Index: 22185	EO Index: 13518	Dates Last Seen
Occ Rank: Unknown			Element: 1842-XX-XX
Origin: Natural/Native occurrence			Site: 1842-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-03-16
Main Source: REVEAL, J. 1989 (LIT)			

Quad Summary: SAN SIMEON (3512162/271B)
County Summary: SAN LUIS OBISPO

Lat/Long: 35.64655° / -121.19259°	UTM: Zone-10 N3946251 E663630	Area: 1,260.5 ac	Elevation: 40 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 26S	Range: 07E	Section: XX	Qtr: XX
						Meridian: M			

Location: SAN SIMEON.

General: REVEAL CITES COLLECTION BY GAMBEL SN (GH, K, PH) IN 1842 AS ONLY SOURCE OF INFORMATION FOR THIS SITE; NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No. 27	Map Index: 35328	EO Index: 29332	Dates Last Seen
Occ Rank: Good			Element: 1995-06-23
Origin: Natural/Native occurrence			Site: 1995-06-23
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-01-06
Main Source: ELIASSEN, L. 1995 (OBS)			

Quad Summary: WATSONVILLE WEST (3612187/387A)
County Summary: SANTA CRUZ

Lat/Long: 36.93070° / -121.82923°	UTM: Zone-10 N4087824 E604266	Area: 25.0 ac	Elevation: 320 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 99X	Range: 99X	Section: XX	Qtr: XX
						Meridian: M			

Location: WSW OF WATSONVILLE MUNICIPAL AIRPORT, SOUTH OF HIGHWAY 1 AND WEST OF RANCHO ROAD; NORTHEAST OF ELLICOTT.

Location Detail: ACCESS IS VIA RANCHO ROAD AND FIESTA WAY. PLANTS FOUND PRIMARILY ALONG ANIMAL TRAIL.

Ecological: IN OPEN SANDY PATCHES ON CENTRAL DRAINAGE. WITH ARCTOSTAPHYLOS HOOKERI HOOKERI. ADJACENT VEGETATION VARIES: CENTRAL MARITIME CHAPARRAL, COAST LIVE OAK WOODLAND, AND SCATTERED WETLAND PATCHES.

Threat: GOLF COURSE DEVELOPMENT PROPOSED BY BUENA VISTA COUNTRY CLUB FOR AREA; WOULD ELIMINATE ALL PLANTS.

General: 300 PLANTS ESTIMATED IN 1995.

Owner/Manager: PVT

Chorizanthe pungens var. pungens

Monterey spineflower

Element Code: PDPGN040M2

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

Habitat Associations

General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.
Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 0-150M.

Occurrence No. 28	Map Index: 35327	EO Index: 29331	Dates Last Seen
Occ Rank: Good			Element: 1994-06-02
Origin: Natural/Native occurrence			Site: 1994-06-02
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-03-04
Main Source: WESCO 1994 (OBS)			

Quad Summary: SOLEDAD (3612143/342A)
County Summary: MONTEREY

Lat/Long: 36.40195° / -121.27958°	UTM: Zone-10 N4029907 E654273	Area: 100.2 ac	Elevation: 200 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 17S	Range: 06E	Section: XX	Qtr: XX
						Meridian: M			

Location: ABOUT 2.5 MILES SOUTHEAST OF SOLEDAD, SOUTH OF THE SALINAS RIVER.
Location Detail: 1.65-2.9 MILES EAST OF THE JUNCTION OF HIGHWAY 101 AND PARAISO ROAD, ALONG THE SOUTH SIDE OF SALINAS RIVER LEVEE.
Ecological: ASSOCIATED WITH LASTARRIAEA CORIACEA AND CASTILLEJA EXSERTA EXSERTA.
Threat: OFF-ROAD VEHICLES FOR HONEY PRODUCTION AND FARMING EQUIPMENT THREATEN.
General: OVER 5000 PLANTS ESTIMATED IN 1994.
Owner/Manager: PVT

Occurrence No. 29	Map Index: 28394	EO Index: 2612	Dates Last Seen
Occ Rank: Excellent			Element: 1995-06-10
Origin: Natural/Native occurrence			Site: 1995-06-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-01-06
Main Source: MORGAN, R. 1995 (OBS)			

Quad Summary: WATSONVILLE WEST (3612187/387A)
County Summary: SANTA CRUZ

Lat/Long: 36.87900° / -121.82671°	UTM: Zone-10 N4082092 E604561	Radius: 80 meters	Elevation: 10 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 12S	Range: 01E	Section: XX	Qtr: XX
						Meridian: M			

Location: SUNSET BEACH STATE PARK, 1.6 MILE SW OF JUNCTION SUNSET BEACH ROAD AND SAN ANDREAS ROAD.
Location Detail: ON WEST SIDE OF ROAD (= SOUTHERN EXTENSION OF SHELL ROAD?).
Ecological: LANDWARD SLOPE ON LOW FOREDUNE WITH DUDLEYA CAESPITOSA, CAREX PANSA, CASTILLEJA LATIFOLIA, AND LATHYRUS LITTORALIS.
Threat: SEVERE THREAT FROM EUROPEAN DUNE GRASS (AMMOPHILA ARENARIA) ENCROACHING FROM BOTH SIDES.
General: 1000+ PLANTS IN 1995.
Owner/Manager: DPR-SUNSET SB

Occurrence No. 30	Map Index: 28393	EO Index: 2611	Dates Last Seen
Occ Rank: Good			Element: 1992-05-16
Origin: Natural/Native occurrence			Site: 1992-05-16
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-10-25
Main Source: MORGAN, R. 1992 (OBS)			

Quad Summary: WATSONVILLE WEST (3612187/387A)
County Summary: SANTA CRUZ

Lat/Long: 36.94363° / -121.84008°	UTM: Zone-10 N4089247 E603283	Area: 2.3 ac	Elevation: 370 ft	Mapping Precision: SPECIFIC	Symbol Type: POLYGON	Township: 11S	Range: 01E	Section: XX	Qtr: XX
						Meridian: M			

Location: NORTHEAST SIDE OF HIGHWAY 1, 0.8 MILE SOUTHEAST OF JUNCTION OF MAR MONTE DRIVE AND LARKIN VALLEY ROAD.
Ecological: IN MARITIME CHAPARRAL/COASTAL SCRUB MIX. IN SAND ON FLAT SWALE BOTTOM.
Threat: POSSIBLE THREATS FROM FUTURE RESIDENTIAL DEVELOPMENT.
General: TOTAL OF AT LEAST PLANTS HERE AND AT OCCURRENCE 31 IN 1992.
Owner/Manager: UNKNOWN

Chorizanthe pungens var. pungens

Monterey spineflower

Element Code: PDPGN040M2

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

Habitat Associations

General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.
Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 0-150M.

Occurrence No. 31	Map Index: 28392	EO Index: 29530	Dates Last Seen
Occ Rank: Good			Element: 1994-XX-XX
Origin: Natural/Native occurrence			Site: 1994-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-01-07
Main Source: MORGAN, R. 1992 (OBS)			

Quad Summary: WATSONVILLE WEST (3612187/387A)
County Summary: SANTA CRUZ

Lat/Long: 36.94777° / -121.84251°	Township: 11S
UTM: Zone-10 N4089704 E603061	Range: 01E
Radius: 80 meters	Section: XX
Elevation: 500 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POINT	

Location: AT END OF BEL MAR DRIVE, 0.5 MILE SOUTHEAST OF JUNCTION OF MAR MONTE DRIVE AND LARKIN VALLEY ROAD.
Ecological: MARITIME CHAPARRAL/COASTAL SCRUB MIX. IN SAND ON SOUTH-FACING SLOPE.
Threat: POSSIBLE THREAT FROM FUTURE RESIDENTIAL DEVELOPMENT.
General: TOTAL OF AT LEAST 1000 PLANTS HERE AND AT OCCURRENCE 30 IN 1992. 10,000 PLANTS ESTIMATED IN 1994.
Owner/Manager: PVT

Occurrence No. 32	Map Index: 28391	EO Index: 29529	Dates Last Seen
Occ Rank: Good			Element: 1995-05-27
Origin: Natural/Native occurrence			Site: 1995-05-27
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-01-06
Main Source: MORGAN, R. 1995 (OBS)			

Quad Summary: WATSONVILLE WEST (3612187/387A)
County Summary: SANTA CRUZ

Lat/Long: 36.98398° / -121.85562°	Township: 11S
UTM: Zone-10 N4093707 E601845	Range: 01E
Area: 14.5 ac	Section: XX
Elevation: 325 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: SOUTH AND EAST OF FREEDOM BLVD, FROM JUST SOUTH OF MCDONALD ROAD, EXTENDING SE FOR 0.4 MILE.
Ecological: ON S-FACING SLOPE OF SANDY VALLEY, MOSTLY AT MARGIN OF CHAPARRAL/SCRUB VEGETATION, WITH SALVIA MELLIFERA, LUPINUS CHAMISSONIS, ERIOGONUM NUDUM, ETC. FROM 250-400 FT ELEVATION.
General: AT LEAST 100,000 PLANTS IN 1995.
Owner/Manager: PVT

Occurrence No. 34	Map Index: 28409	EO Index: 29626	Dates Last Seen
Occ Rank: Unknown			Element: 1994-XX-XX
Origin: Natural/Native occurrence			Site: 1994-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-01-07
Main Source: U.S. FISH & WILDLIFE SERVICE 1995 (PERS)			

Quad Summary: WATSONVILLE WEST (3612187/387A), LOMA PRIETA (3712117/407D)
County Summary: SANTA CRUZ

Lat/Long: 37.00036° / -121.86135°	Township: 99X
UTM: Zone-10 N4095518 E601313	Range: 99X
Area: 138.0 ac	Section: XX
Elevation: 450 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: DAY VALLEY, COX ROAD.
General: ONLY INFORMATION FOR THIS SITE IS VAGUE MAP; MAP DETAIL NEEDED. MAPPED AS NONSPECIFIC POLYGON ALONG COX ROAD. 100 PLANTS IN 1994.
Owner/Manager: PVT

Chorizanthe pungens var. pungens

Monterey spineflower

Element Code: PDPGN040M2

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G2T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3

Habitat Associations

General: COASTAL DUNES, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.

Micro: SANDY SOILS IN COASTAL DUNES OR MORE INLAND WITHIN CHAPARRAL OR OTHER HABITATS. 0-150M.

Occurrence No. 35	Map Index: 37729	EO Index: 32735	Dates Last Seen
Occ Rank: Unknown			Element: 1994-XX-XX
Origin: Natural/Native occurrence			Site: 1994-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-12-16
Main Source: U.S. FISH & WILDLIFE SERVICE 1997 (LIT)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.68999° / -121.81002°	Township: 14S
UTM: Zone-10 N4061142 E606310	Range: 01E
Area: 180.6 ac	Section: 25
Elevation: 10 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: MARINA STATE BEACH.

Location Detail: MAPPED NOT QUITE TO SOUTHERN BOUNDARY OF BEACH TO AVOID OVERLAP WITH OCCURRENCE #2 (FORT ORD). UNKNOWN WHERE EXACTLY PLANTS WERE SEEN IN 1994.

General: AT LEAST 1000 PLANTS IN 1994. EXACT LOCATION UNKNOWN; ONLY INFO IS REFERENCE IN USFWS DRAFT RECOVERY PLAN.

Owner/Manager: DPR-MARINA SB

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered State: Threatened	Global: G3G4T2 State: S2.2	CNPS List: 1B R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 1	Map Index: 27921	EO Index: 28986	Dates Last Seen
Occ Rank: Fair			Element: 1993-XX-XX
Origin: Natural/Native occurrence			Site: 1993-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-05-23
Main Source: DORRELL-CANEPA, J. 1996 (MAP)			

Quad Summary: MONTEREY (3612158/366C)
County Summary: MONTEREY

Lat/Long: 36.60700° / -121.94866°	Township: 99X
UTM: Zone-10 N4051791 E594024	Range: 99X
Area: 18.4 ac	Section: XX
Elevation: 20 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: SOUTH MOSS BEACH, SAWMILL GULCH; AT SPANISH BAY HOLE #9 AND FORMERLY E OF THERE ALONG 17 MILE DRIVE SW OF ELK RUN RD.
Location Detail: MAPPED AS 2 POLYGONS; PLANTS IN EASTERN POLYGON EXTIRPATED FOR GOLF COURSE DEVELOPMENT. REMAINING PLANTS FOUND ALONG HORSETRAIL.

Ecological: SHELTERED FROM WINDS AT BASE OF DUNES.

Threat: DEVELOPMENT THREATENS. HORSE TRAIL MAY BE MORE IMMEDIATE THREAT.

General: 500-700 PLANTS IN 1993 ALONG HORSETRAIL IN WESTERN POLYGON. PARTLY OWNED BY PEBBLE BEACH COMPANY AND PARTLY BY MONTEREY PENINSULA COUNTRY CLUB.

Owner/Manager: PVT

Occurrence No. 2	Map Index: 10147	EO Index: 16377	Dates Last Seen
Occ Rank: Good			Element: 1996-XX-XX
Origin: Natural/Native occurrence			Site: 1996-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: DAY, A. 1980 (PERS)			

Quad Summary: SEASIDE (3612157/366D), MONTEREY (3612158/366C)
County Summary: MONTEREY

Lat/Long: 36.60146° / -121.87243°	Township: 15S
UTM: Zone-10 N4051254 E600849	Range: 01E
Area: 27.5 ac	Section: XX
Elevation: 20 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: U.S. NAVY POST GRADUATE SCHOOL DUNES, AND DEL MONTE DUNES. BOTH SIDES OF RD TO WASTE TREATMENT PLANT.

Ecological: ASSOCIATED WITH POLYGONUM PARONYCHIA, POA DOUGLASII, BROMUS DIANDRUS, LUPINUS CHAMISSONIS, CORETHROGYNE LEUCOPHYLLA, ABRONIA MARITIMA, ERYSIMUS AMMOPHILUM, CHORIZANTHE PUNGENS SSP. PUNGENS, AND MESEMBYANTHEMUM.

Threat: TRAMPLING (A BOARDWALK IS PLANNED), WEED CONTROL VIA HERBICIDES, & INVASION BY ICEPLANT & RIPGUT GRASS THREATEN.

General: LOCALLY NUMEROUS IN 1980, 1498 PLANTS IN 1991, 1950 IN 1992, 8500-13,500 ESTIMATED IN 1993. PLANTS REPORTEDLY THRIVING HERE DUE TO THE NAVY SCHOOL'S RESTORATION WORK INVOLVING EXOTICS REMOVAL (B. COWAN PERS. COMM. 1996).

Owner/Manager: DOD-NAVY, PVT

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3G4T2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 3	Map Index: 10246	EO Index: 16303	Dates Last Seen
Occ Rank: Fair			Element: 1995-XX-XX
Origin: Natural/Native occurrence			Site: 1995-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: FERREIRA, J. & J. DORRELL 1990 (OBS)			

Quad Summary: SEASIDE (3612157/366D)

County Summary: MONTEREY

Lat/Long: 36.61701° / -121.84791°	Township: 16S
UTM: Zone-10 N4053005 E603022	Range: 01E
Area: 15.9 ac	Section: XX
Elevation: 70 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: SAND CITY "EAST DUNES"; N AND S SIDES OF TIOGA RD BETWEEN HWY 1 & DEL MONTE AVE.

Location Detail: POPULATION EXTENDS S TO THE ENDS OF PARK AVE AND OCEAN VIEW AVE. PORTION OF OCCURRENCE IN THE "SAND DOLLAR HABITAT PRESERVE" W OF SAND DOLLAR SHOPPING CENTER.

Ecological: ON EAST FACING SAND HILLS. ABUNDANT IN CLEARINGS OF SEA FIG. WITH CARPOBROTUS SPP., CARDIONEMA, CHORIZANTHE CUSPIDATA MARGINATA, CRYPTANTHA LATIFOLIUM, CAMISSONIA CHEIRANTHIFOLIA, & BROMUS DIANDRUS. OTHER RARE TAXA ARE KNOWN FROM THIS AREA.

Threat: SEA FIG ENCROACHMENT, DEVELOPMENT, TRASH DUMPING, RECREATIONAL USE, AND VEHICLE TRESPASS ARE THREATS.

General: APPROX 10,000 PLANTS IN WHAT APPEARS TO BE VACANT LOT IN 1986, 5000 IN 1987, 96 SEEN IN PART OF OCCURRENCE N OF TIOGA RD IN 1992, 27,000 ESTIMATED IN 1993, 100,000 IN 1995. SEEDING AND TRANSPLANTATION EXPERIMENTS ATTEMPTED IN 1993.

Owner/Manager: PVT

Occurrence No. 4	Map Index: 10390	EO Index: 428	Dates Last Seen
Occ Rank: Unknown			Element: 1993-05-XX
Origin: Natural/Native occurrence			Site: 1993-05-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-03-07
Main Source: FERREIRA, J. 1985 (OBS)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.68375° / -121.81102°	Township: 14S
UTM: Zone-10 N4060449 E606229	Range: 01E
Area: 60.7 ac	Section: XX
Elevation: 50 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: MARINA STATE BEACH, W OF TOWN OF MARINA AND HWY 1, FROM 0.2-1.25 MI S OF JCT RESERVATION RD AND HWY 1.

Ecological: IN COASTAL DUNE SCRUB ON REAR DUNE WITH LARGE BLOWOUTS OF SAND. DOMINATED BY CARPOBROTUS SPP.

Threat: LOW USE AREA, OCCASIONAL FOOTPATHS. BOARDWALKS WILL BE BUILT IN NORTH END OF AREA.

General: LESS THAN 10000 PLANTS SEEN IN 1985; 300 IN 1986, 20 IN 1992, 325 IN 1993. INCLUDES FORMER OCCURRENCE #9.

Owner/Manager: DPR-MARINA SB

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3G4T2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 5	Map Index: 10458	EO Index: 1298	Dates Last Seen
Occ Rank: Excellent			Element: 1993-05-XX
Origin: Natural/Native occurrence			Site: 1993-05-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: DAY, A. 1980 (PERS)			

Quad Summary: MOSS LANDING (3612177/387D)

County Summary: MONTEREY

Lat/Long: 36.77206° / -121.79602°	Township: 13S
UTM: Zone-10 N4070262 E607446	Range: 02E
Area: 72.6 ac	Section: XX
Elevation: 30 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: SALINAS RIVER STATE BEACH ON DUNES SURROUNDING PARKING AREA, AND MONTEREY DUNES COLONY.

Location Detail: AT 1996 RECOVERY WORKSHOP IT WAS NOTED THAT ALVA DAY BELIEVES THIS OCCURRENCE REPRESENTS INTERGRADES WITH SSP. TENUIFLORA. STUDIES NEEDED.

Ecological: REAR DUNE DOMINATED BY CARPOBROTUS SPP., ERIOPHYLLUM.

Threat: LOW USE AREA, BUT SOME EQUESTRIAN DISTURBANCE. ALSO ORV'S, FOOT TRAFFIC, ENCROACHMENT BY NONNATIVES, & DEVELOPMENT.

General: LESS THAN 10000 PLANTS IN 1985; 20000 IN 1986; 1665 IN 1987, BUT ONLY STATE PARK LAND INCLUDED IN THIS LATTER SURVEY, 13,500 IN 1993. SEEDING EXPERIMENTS ATTEMPTED IN 1992 AND 1993.

Owner/Manager: DPR-SALINAS RIVER SB, PVT

Occurrence No. 6	Map Index: 09885	EO Index: 28985	Dates Last Seen
Occ Rank: None			Element: 1984-05-11
Origin: Natural/Native occurrence			Site: 1984-05-11
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1996-05-23
Main Source: STROMBERG, L. 1984 (OBS)			

Quad Summary: MONTEREY (3612158/366C)

County Summary: MONTEREY

Lat/Long: 36.61328° / -121.94477°	Township: 99X
UTM: Zone-10 N4052492 E594365	Range: 99X
Radius: 80 meters	Section: XX
Elevation: 50 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POINT	

Location: NORTH MOSS BEACH; SOUTH SIDE OF SPANISH BAY ROAD. THIS SITE IS NOW THE SPANISH BAY GOLF COURSE.

Ecological: FORMERLY IN STABLE OPEN SAND AREA. ASSOCIATED WITH LUPINUS TIDESTROMII TIDESTROMII AND POLYGONUM PARONYCHIA.

General: ONE PLANT. DUNE RESTORATION PLAN PREPARED. PLANTS EXTIRPATED BY GOLF COURSE DEVELOPMENT.

Owner/Manager: PVT

Occurrence No. 10	Map Index: 10301	EO Index: 18424	Dates Last Seen
Occ Rank: None			Element: 1985-04-XX
Origin: Natural/Native occurrence			Site: 1985-04-XX
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: LIND, H. 1985 (OBS)			

Quad Summary: SEASIDE (3612157/366D)

County Summary: MONTEREY

Lat/Long: 36.58745° / -121.83218°	Township: 99X
UTM: Zone-10 N4049743 E604469	Range: 99X
Radius: 1/5 mile	Section: XX
Elevation: 100 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POINT	

Location: END OF DEL REY GARDENS DR, W SIDE OF HWY 218, DEL REY OAKS.

Ecological: SCRAPED SANDY AREA. ASSOCIATED WITH DUNE AND COASTAL SCRUB SPECIES.

Threat: COMMERCIAL DEVELOPMENT AND EXTENSION OF ROAD.

General: LESS THAN 50 PLANTS AT END OF UNFINISHED PAVED ROAD. SOIL WAS PROBABLY REMOVED FOR FILL AT MONTEREY AIRPORT. RELATIVELY UNDISTURBED SITE IN 1985. AT 1996 RECOVERY WORKSHOP, VERN YADON REPORTED THAT THIS SITE IS EXTIRPATED.

Owner/Manager: PVT

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3G4T2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 11	Map Index: 23580	EO Index: 23775	Dates Last Seen
Occ Rank: None			Element: 1987-XX-XX
Origin: Transplant Outside of Native Hab./Range			Site: 199X-XX-XX
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1996-03-15
Main Source: LSA ASSOC. 1987 (LIT)			

Quad Summary: MONTEREY (3612158/366C)

County Summary: MONTEREY

Lat/Long: 36.61009° / -121.94634°	Township: 99X
UTM: Zone-10 N4052136 E594228	Range: 99X
Area: 19.0 ac	Section: XX
Elevation: 40 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: SPANISH BAY GOLF COURSE, N OF SPANISH BAY RD & W OF 17 MILE DRIVE, MONTEREY PENINSULA.

Location Detail: MAPPED AS 2 POLYGONS WITH OTHER RARE PLANT TAXA WHICH WERE ALSO TRANSPLANTED HERE (GILIA MAY NOT HAVE BEEN PLANTED IN BOTH POLYGONS).

Ecological: EXPERIMENTAL DUNE CREATION AS MITIGATION FOR GOLF COURSE CONSTRUCTION. LUPINUS TIDESTROMII AND ERYSIMUM MENZIESII MENZIESII ALSO TRANSPLANTED HERE.

General: PART OF SPANISH BAY DEVELOPMENT. GILIA EXTIRPATED FROM THIS TRANSPLANT SITE.

Owner/Manager: PVT

Occurrence No. 12	Map Index: 27797	EO Index: 23156	Dates Last Seen
Occ Rank: Unknown			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-11-20
Main Source: ARMY CORPS OF ENGINEERS 1992 (LIT)			

Quad Summary: SPRECKELS (3612156/365C)

County Summary: MONTEREY

Lat/Long: 36.61532° / -121.70999°	Township: 15S
UTM: Zone-10 N4052974 E615358	Range: 02E
Area: 125.7 ac	Section: XX
Elevation: 350 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: FORT ORD MILITARY RESERVATION; BORDERED BY JACKS ROAD ON THE S AND E, N TO ENGINEER CANYON ROAD.

General: ONLY INFO IS VAGUE MAP IN "FLORA AND FAUNA BASELINE STUDY OF FORT ORD". FIELDWORK CONDUCTED BY JONES AND STOKES ASSOC., INC.

Owner/Manager: BLM-FORT ORD

Occurrence No. 13	Map Index: 27798	EO Index: 23157	Dates Last Seen
Occ Rank: Unknown			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-11-20
Main Source: ARMY CORPS OF ENGINEERS 1992 (LIT)			

Quad Summary: SPRECKELS (3612156/365C)

County Summary: MONTEREY

Lat/Long: 36.62016° / -121.69346°	Township: 15S
UTM: Zone-10 N4053531 E616829	Range: 02E
Area: 66.1 ac	Section: XX
Elevation: 400 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: FORT ORD MILITARY RESERVATION; FROM JUST N OF JACKS ROAD AND EXTENDING N FOR 0.6 MI. 0.3 MI W OF HWY 68.

General: ONLY INFO IS VAGUE MAP IN "FLORA AND FAUNA BASELINE STUDY OF FORT ORD". FIELDWORK CONDUCTED BY JONES AND STOKES ASSOC., INC.

Owner/Manager: BLM-FORT ORD

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered State: Threatened	Global: G3G4T2 State: S2.2	CNPS List: 1B R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 14	Map Index: 27796	EO Index: 16991	Dates Last Seen
Occ Rank: Unknown			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: ARMY CORPS OF ENGINEERS 1992 (LIT)			

Quad Summary: SPRECKELS (3612156/365C), SEASIDE (3612157/366D), SALINAS (3612166/365B)

County Summary: MONTEREY

Lat/Long: 36.62328° / -121.73738°	UTM: Zone-10 N4053825 E612897	Area: 1,185.4 ac	Elevation: 400 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 15S	Range: 02E	Section: XX	Qtr: XX
				Meridian: M					

Location: FT ORD; FROM NR CLAUSENS RNCH, SW TO BOTH SIDES BARLOY CYN RD, E TO JCT PILARCITOS CYN RD/JACKS RD, S TO IMPOSSIBLE CYN.
Location Detail: MAPPED AS 5 NONSPECIFIC BOUNDED AREAS. ON SALINAS, SPECKELS, AND SEASIDE QUADRANGLES.

General: ONLY INFO IS VAGUE MAP IN "FLORA AND FAUNA BASELINE STUDY OF FORT ORD". FIELDWORK CONDUCTED BY JONES AND STOKES ASSOC., INC. JOEY DORRELL-CANEPA BELIEVES PLANTS HERE ARE LIKELY INTERGRADES W/SSP. TENUIFLORA. STUDIES NEEDED.

Owner/Manager: BLM

Occurrence No. 15	Map Index: 27798	EO Index: 16989	Dates Last Seen
Occ Rank: Unknown			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: ARMY CORPS OF ENGINEERS 1992 (LIT)			

Quad Summary: SALINAS (3612166/365B)

County Summary: MONTEREY

Lat/Long: 36.64913° / -121.74486°	UTM: Zone-10 N4056684 E612191	Area: 68.7 ac	Elevation: 250 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 15S	Range: 02E	Section: XX	Qtr: XX
				Meridian: M					

Location: FORT ORD MILITARY RESERVATION; VICINITY OF EAST GARRISON. BORDERED ON N BY WATKINS GATE RD, AND EXTENDING S FOR 0.25 MI.

General: ONLY INFO IS VAGUE MAP IN "FLORA AND FAUNA BASELINE STUDY OF FORT ORD". FIELDWORK CONDUCTED BY JONES AND STOKES ASSOC., INC. JOEY DORRELL-CANEPA BELIEVES PLANTS HERE ARE LIKELY INTERGRADES W/SSP./TENUIFLORA. STUDIES NEEDED.

Owner/Manager: BLM

Occurrence No. 16	Map Index: 27795	EO Index: 27412	Dates Last Seen
Occ Rank: Unknown			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-11-20
Main Source: ARMY CORPS OF ENGINEERS 1992 (LIT)			

Quad Summary: SEASIDE (3612157/366D)

County Summary: MONTEREY

Lat/Long: 36.59243° / -121.75887°	UTM: Zone-10 N4050377 E611019	Area: 155.7 ac	Elevation: 800 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 16S	Range: 02E	Section: XX	Qtr: XX
				Meridian: M					

Location: FORT ORD MILITARY RESERVATION, NW OF LAGUNA SECA: WOLF HILL AND N FOR APPROX 0.7 MI.

Location Detail: MAPPED AS 2 NONSPECIFIC BOUNDED AREAS.

General: ONLY INFO IS VAGUE MAP IN "FLORA AND FAUNA BASELINE STUDY OF FORT ORD". FIELDWORK BY JONES AND STOKES ASSOC., INC.

Owner/Manager: BLM-FORT ORD

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3G4T2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 17	Map Index: 27794	EO Index: 14182	Dates Last Seen
Occ Rank: Unknown			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-11-20
Main Source: ARMY CORPS OF ENGINEERS 1992 (LIT)			

Quad Summary: SEASIDE (3612157/366D)

County Summary: MONTEREY

Lat/Long: 36.59556° / -121.79451°	Township: 16S
UTM: Zone-10 N4050684 E607827	Range: 02E
Area: 66.8 ac	Section: XX
Elevation: 600 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: FORT ORD MILITARY RESERVATION; 2.2-2.65 MI WNW OF LAGUNA SECA.

General: ONLY INFO IS VAGUE MAP IN "FLORA AND FAUNA BASELINE STUDY OF FORT ORD".

Owner/Manager: BLM-FORT ORD

Occurrence No. 18	Map Index: 27793	EO Index: 27411	Dates Last Seen
Occ Rank: Unknown			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-03-11
Main Source: ARMY CORPS OF ENGINEERS 1992 (LIT)			

Quad Summary: SEASIDE (3612157/366D)

County Summary: MONTEREY

Lat/Long: 36.61175° / -121.80898°	Township: 16S
UTM: Zone-10 N4052464 E606510	Range: 01E
Area: 1,150.7 ac	Section: XX
Elevation: 450 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: SW EDGE OF FORT ORD MILITARY RESERVATION; FROM NORTH-SOUTH ROAD, EXTENDING E TO NEAR MERRILL HILL.

Location Detail: MAPPED AS TWO LARGE, NONSPECIFIC POLYGONS AT CNDDB.

General: ONLY INFO IS VAGUE MAP IN "FLORA AND FAUNA BASELINE STUDY OF FORT ORD". FIELDWORK BY JONES AND STOKES ASSOC., INC.

Owner/Manager: BLM-FORT ORD

Occurrence No. 19	Map Index: 27792	EO Index: 422	Dates Last Seen
Occ Rank: Unknown			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: ARMY CORPS OF ENGINEERS 1992 (LIT)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.63057° / -121.78028°	Township: 15S
UTM: Zone-10 N4054584 E609050	Range: 02E
Area: 65.0 ac	Section: XX
Elevation: 400 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: FORT ORD MILITARY RESERVATION; VICINITY OF PARKER FLATS AND GRANT EWING RIDGE. 1.25-1.95 MI S OF INTER-GARRISON ROAD.

General: ONLY INFO IS VAGUE MAP IN "FLORA AND FAUNA BASELINE STUDY OF FORT ORD". FIELDWORK BY JONES AND STOKES ASSOC., INC.

Owner/Manager: BLM

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3G4T2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 20	Map Index: 27791	EO Index: 423	Dates Last Seen
Occ Rank: Unknown			Element: 1995-XX-XX
Origin: Natural/Native occurrence			Site: 1995-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: JONES & STOKES ASSOC. 1994 (LIT)			

Quad Summary: SALINAS (3612166/365B), MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.67921° / -121.77677°	Township: 15S
UTM: Zone-10 N4059984 E609296	Range: 02E
Area: 421.4 ac	Section: XX
Elevation: 200 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: FORMERLY FORT ORD MR; FROM N SIDE OF INTER-GARRISON ROAD, EXTENDING N WITHIN MILITARY BOUNDARY TO FRITZSCHE AIRFIELD.

Location Detail: MAPPED AS 11 POLYGONS.

Ecological: OTHER RARE PLANTS IN THE AREA: CHORIZANTHE PUNGENS PUNGENS, ARCTOSTAPHYLOS PUMILA, ERIASTRUM VIRGATUM, & ERYSIMUM AMMOPHILUM.

Threat: FORMERLY FORT ORD LAND. PLANTS ON THE LANDFILL PROPERTY TO BE EXTIRPATED, WITH TRANSLOCATION AS MITIGATION.

General: AT LEAST 42,600 TOTAL PLANTS AT THIS OCCURRENCE. ONLY SMALL AREA SURVEYED IN 1994 (25 PLANTS E OF JCT RESERVATION RD AND BEYER ST). OVER 2 MILLION PLANTS REPORTED IN 1995. MONTEREY COUNTY PARKS IS ALSO PART OWNER.

Owner/Manager: UC-MONTEREY, UCLWRS

Occurrence No. 21	Map Index: 27789	EO Index: 425	Dates Last Seen
Occ Rank: Unknown			Element: 1993-XX-XX
Origin: Natural/Native occurrence			Site: 1993-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: JONES & STOKES ASSOC. 1994 (LIT)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.67512° / -121.80500°	Township: 14S
UTM: Zone-10 N4059498 E606779	Range: 01E
Area: 9.4 ac	Section: XX
Elevation: 60 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: FORMERLY FORT ORD MILITARY RESERVATION; E SIDE OF DEL MONTE BLVD; 0.7-1.0 MI S OF JCT DEL MONTE BLVD & RESERVATION ROAD.

General: 515 PLANTS IN 1993 IN TWO POPULATIONS.

Owner/Manager: CSU-MONTEREY?

Occurrence No. 22	Map Index: 27788	EO Index: 426	Dates Last Seen
Occ Rank: Good			Element: 1992-04-24
Origin: Natural/Native occurrence			Site: 1992-04-24
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-11-22
Main Source: JULIN, K. 1992 (OBS)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.67686° / -121.81337°	Township: 14S
UTM: Zone-10 N4059682 E606029	Range: 01E
Radius: 80 meters	Section: XX
Elevation: 80 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FORT ORD MR; W SIDE OF HWY 1, BEHIND SMALL ARMS FIRING RANGE NO. 16. 1.1 MI SW OF JCT DEL MONTE BLVD AND RESERVATION RD.

Ecological: IN SWALE AND ALONG W-FACING SLOPE. CONCENTRATED BULLET FRAGMENTS IN SAND.

Threat: ICEPLANT COULD THREATEN.

General: AT LEAST 20 PLANTS SEEN IN 1992.

Owner/Manager: BLM-FORT ORD

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered State: Threatened	Global: G3G4T2 State: S2.2	CNPS List: 1B R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 23	Map Index: 27790	EO Index: 427	Dates Last Seen
Occ Rank: Unknown			Element: 1988-03-31
Origin: Natural/Native occurrence			Site: 1988-03-31
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-03-25
Main Source: LYONS, K. 1988 (OBS)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.69238° / -121.80153°	UTM: Zone-10 N4061417 E607065	Radius: 80 meters	Elevation: 40 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 11S	Range: 01E	Section: XX	Qtr: XX
						Meridian: M			

Location: NE CORNER OF JCT SEASIDE AVE AND RESERVATION RD.

Ecological: IN SAND ON SW-FACING SLOPE WITH LOTUS SCOPARIUS, ORTHOCARPUS SP., AND CARDIONEMA RAMOSISSIMUM.

Threat: POTENTIAL DEVELOPMENT AND ICEPLANT ENCROACHMENT THREATEN.

General: FEWER THAN 1000 PLANTS IN 1988.

Owner/Manager: UNKNOWN

Occurrence No. 24	Map Index: 27787	EO Index: 429	Dates Last Seen
Occ Rank: Unknown			Element: 1987-05-XX
Origin: Natural/Native occurrence			Site: 1987-05-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-03-25
Main Source: ZOGER, A. & B. PAVLIK 1987 (LIT)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.70162° / -121.80646°	UTM: Zone-10 N4062436 E606612	Radius: 80 meters	Elevation: 60 ft	Mapping Precision: SPECIFIC	Symbol Type: POINT	Township: 14S	Range: 01E	Section: XX	Qtr: XX
						Meridian: M			

Location: 0.35 MI NW OF JCT HWY 1 AND RESERVATION ROAD.

Ecological: ON FLANDRIAN DUNE SCRUB.

General: UNKNOWN HOW MANY PLANTS SEEN IN 1987. MORE INFO NEEDED.

Owner/Manager: UNKNOWN

Occurrence No. 25	Map Index: 27786	EO Index: 430	Dates Last Seen
Occ Rank: Unknown			Element: 1987-05-XX
Origin: Natural/Native occurrence			Site: 1987-05-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-03-25
Main Source: ZOGER, A. & B. PAVLIK 1987 (LIT)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.70697° / -121.80518°	UTM: Zone-10 N4063031 E606718	Area: 16.9 ac	Elevation: 100 ft	Mapping Precision: NON-SPECIFIC	Symbol Type: POLYGON	Township: 14S	Range: 01E	Section: XX	Qtr: XX
						Meridian: M			

Location: APPROX 0.7 MI NW OF JCT HWY 1 AND RESERVATION ROAD.

Ecological: ON FLANDRIAN DUNE SCRUB.

General: UNKNOWN HOW MANY PLANTS SEEN; MORE INFO NEEDED.

Owner/Manager: PVT-GRANITE ROCK

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3G4T2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 26	Map Index: 27785	EO Index: 432	Dates Last Seen
Occ Rank: Unknown			Element: 1987-05-XX
Origin: Natural/Native occurrence			Site: 1987-05-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-03-25
Main Source: ZOGER, A. & B. PAVLIK 1987 (LIT)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.71448° / -121.80186°	Township: 14S
UTM: Zone-10 N4063868 E607005	Range: 01E
Area: 15.4 ac	Section: XX
Elevation: 40 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: 1.25 MI NW OF JCT HWY 1 AND RESERVATION ROAD.

Ecological: ON FLANDRIAN DUNE SCRUB.

General: VAGUE MAP IS ONLY INFO SOURCE; UNKNOWN HOW MANY PLANTS SEEN. MAP DETAIL NEEDED.

Owner/Manager: UNKNOWN

Occurrence No. 27	Map Index: 27784	EO Index: 431	Dates Last Seen
Occ Rank: Unknown			Element: 1993-XX-XX
Origin: Natural/Native occurrence			Site: 1993-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: ZOGER, A. & B. PAVLIK 1987 (LIT)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.72311° / -121.80158°	Township: 14S
UTM: Zone-10 N4064826 E607018	Range: 01E
Area: 14.8 ac	Section: XX
Elevation: 20 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: 1.85 MI NW OF JCT HWY 1 AND RESERVATION ROAD.

Location Detail: 3 POPULATIONS: "LONE STAR PROPERTIES", "GRANITE ROCK PROPERTY", AND "MARTIN PROPERTY".

Ecological: ON FLANDRIAN DUNE SCRUB.

General: 2295 PLANTS SEEN HERE IN 3 POPULATIONS IN 1987. J. DORRELL-CANEPA SEARCHED THIS SITE IN 1993 AND ONLY FOUND ONE OF THE POPULATIONS REPORTED BY ZOGER & PAVLIK (UNKNOWN HOW MANY PLANTS SEEN).

Owner/Manager: PVT

Occurrence No. 28	Map Index: 27783	EO Index: 433	Dates Last Seen
Occ Rank: Unknown			Element: 1993-XX-XX
Origin: Natural/Native occurrence			Site: 1993-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: ZOGER, A. & B. PAVLIK 1987 (LIT)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.72803° / -121.80352°	Township: 14S
UTM: Zone-10 N4065369 E606838	Range: 01E
Radius: 80 meters	Section: XX
Elevation: 20 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POINT	

Location: 2.2 MI NW OF JCT HWY 1 AND RESERVATION ROAD.

Ecological: ON FLANDRIAN DUNE SCRUB.

Threat: THREATENED BY OHVS AND BROMUS DIANDRUS IN 1993.

General: UNKNOWN HOW MANY PLANTS SEEN; MORE INFO NEEDED. ACCORDING TO 1996 RECOVERY WORKSHOP NOTES, PLANTS WERE SEEN IN 1993, BUT UNKNOWN BY WHOM. LIKELY PART OF MARTIN OR LONE STAR DUNES.

Owner/Manager: PVT?

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3G4T2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 29	Map Index: 10437	EO Index: 1025	Dates Last Seen
Occ Rank: Good			Element: 1993-05-XX
Origin: Natural/Native occurrence			Site: 1993-05-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-11-29
Main Source: DORRELL-CANEPA, J. 1994 (LIT)			

Quad Summary: MARINA (3612167/366A), MOSS LANDING (3612177/387D)

County Summary: MONTEREY

Lat/Long: 36.74939° / -121.79940°	Township: 14S
UTM: Zone-10 N4067743 E607176	Range: 01E
Radius: 1/5 mile	Section: XX
Elevation: 30 ft	Qtr: XX
Mapping Precision: NON-SPECIFIC	Meridian: M
Symbol Type: POINT	

Location: MULLIGAN HILL; JUST NORTH OF THE OLD SALINAS RIVER MOUTH.

General: 3000-5000 PLANTS ESTIMATED IN 1993.

Owner/Manager: PVT

Occurrence No. 30	Map Index: 10491	EO Index: 1028	Dates Last Seen
Occ Rank: Good			Element: 1994-XX-XX
Origin: Natural/Native occurrence			Site: 1994-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: DORRELL-CANEPA, J. 1994 (LIT)			

Quad Summary: MOSS LANDING (3612177/387D)

County Summary: MONTEREY

Lat/Long:	Township:
UTM:	Range:
Radius:	Section:
Elevation:	Qtr:
Mapping Precision:	Meridian:
Symbol Type:	

Location: MOSS LANDING; WATERTOWER HILL.

Threat: SITE TO BE DEVELOPED (IN CEQA REVIEW IN 1996). 7 ACRES OF GILIA HABITAT TO BE RESTORED AS MITIGATION.

General: 400-600 PLANTS ESTIMATED IN 1993, 200-500 IN 1994.

Owner/Manager: PVT?

Occurrence No. 31	Map Index: 34739	EO Index: 424	Dates Last Seen
Occ Rank: Unknown			Element: 1993-XX-XX
Origin: Natural/Native occurrence			Site: 1993-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-03-07
Main Source: JONES & STOKES ASSOC. 1994 (LIT)			

Quad Summary: MARINA (3612167/366A)

County Summary: MONTEREY

Lat/Long: 36.65858° / -121.78617°	Township: 15S
UTM: Zone-10 N4057684 E608485	Range: 02E
Area: 34.1 ac	Section: XX
Elevation: 200 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: FORT ORD MILITARY RESERVATION; N OF INTER-GARRISON ROAD, BOTH SIDES OF IMJIN ROAD.

Location Detail: MAPPED AS 6 POLYGONS.

Threat: SITE IS WITHIN FORT ORD DISPOSAL LAND; WILL BE PARCELED OUT FOR VARIOUS LAND USES.

General: 698 PLANTS IN 1993.

Owner/Manager: BLM-FORT ORD

Gilia tenuiflora ssp. arenaria

sand gilia

Element Code: PDPLM041P2

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G3G4T2	CNPS List: 1B
State: Threatened	State: S2.2	R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (MARITIME), CISMONTANE WOODLAND.

Micro: BARE, WIND-SHELTERED AREAS OFTEN NEAR DUNE SUMMIT OR IN THE HIND DUNES; 2 RECORDS FROM PLEISTOCENE INLAND DUNES. 0-245M.

Occurrence No. 32	Map Index: 27922	EO Index: 28984	Dates Last Seen
Occ Rank: Good			Element: 1993-04-XX
Origin: Natural/Native occurrence			Site: 1993-04-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-06
Main Source: DORRELL-CANEPA, J. 1996 (MAP)			

Quad Summary: MONTEREY (3612158/366C)

County Summary: MONTEREY

Lat/Long: 36.62089° / -121.93719°	Township: 99X
UTM: Zone-10 N4053343 E595033	Range: 99X
Area: 7.4 ac	Section: XX
Elevation: 60 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: ASILOMAR STATE BEACH; NEAR YWCA AND BUILDINGS JUST SOUTH OF THERE.

Location Detail: 2 SUBPOPULATIONS; ONE NEAR ASILOMAR YWCA ON TOPO MAP AND OTHER 0.1 MI SOUTH, ON SOUTH SIDE OF ROAD.

General: 550 PLANTS IN 1993. AT 1996 RECOVERY WORKSHOP, IT WAS REPORTED THAT 4 OR 5 NEW SUBPOPULATIONS HAVE BEEN FOUND HERE AS A RESULT OF CARPOBROTUS REMOVAL. UPDATED MAPS NEEDED AT CNDDB.

Owner/Manager: DPR-ASILOMAR SB

Occurrence No. 33	Map Index: 28395	EO Index: 20125	Dates Last Seen
Occ Rank: Good			Element: 1995-06-10
Origin: Natural/Native occurrence			Site: 1995-06-10
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-01-06
Main Source: MORGAN, R. 1995 (OBS)			

Quad Summary: WATSONVILLE WEST (3612187/387A)

County Summary: SANTA CRUZ

Lat/Long: 36.87601° / -121.82136°	Township: 12S
UTM: Zone-10 N4081766 E605043	Range: 01E
Area: 4.1 ac	Section: XX
Elevation: 120 ft	Qtr: XX
Mapping Precision: SPECIFIC	Meridian: M
Symbol Type: POLYGON	

Location: SUNSET BEACH STATE PARK, ABOUT 1.7 MILE SOUTH OF SUNSET BEACH ROAD.

Location Detail: PLANTS FOUND IN THE VICINITY OF THE UTILITY BUILDING.

Ecological: SUMMIT OF SECONDARY DUNE. CHORIZANTHE ROBUSTA ROBUSTA ALSO FOUND IN THIS AREA.

Threat: SOME ENCROACHMENT OF ICEPLANT (CARPOBROTUS).

General: 5000 PLANTS ESTIMATED IN 1995.

Owner/Manager: DPR-SUNSET SB