



P.O. Box 733, Hydesville, CA 95547 . (707) 768-3743 . (707) 768-3747 fax

Sordal 008 (4 Wheel Properties LLC)
P.O. Box 202
Carlotta, CA 95528



Sordal 008 Less Than Three Acre Conversion Mitigation Plan

This document has been prepared pursuant to Section 55.4.10(j) of the Humboldt County Commercial Medical Marijuana Land Use Ordinance, applications for Commercial Cannabis Activity occupying sites created through prior unauthorized conversion of timberland. The document evaluates site conditions and conversion history for the parcel and contains a Registered Professional Foresters (RPF's) recommendation as to remedial actions necessary to bring the conversion area into compliance with provisions of the Forest Practice Act.

1. Contact Information

a. Timberland/Timber Owner of Record:

Sordal (4 Wheel Properties LLC)
PO Box 202
Carlotta, CA 95528

b. Registered Professional Forester Preparing Report:

Stephen Hohman RPF #2652
PO Box 733
Hydesville CA. 95547
(707) 768-3743

2. Location of Project

a. Site Address: 2248 Run Down Acres Ln, Bridgeville, CA 95526

b. Community Area: Larabee Valley (HWY 36)

c. Assessor's Parcel No(s): 210-054-008

d. Parcel Size(s): 187 acres

3. Project Description

a. Timber stand characteristics including species composition and age class.

The Sordal 008 property is within a matrix of Douglas fir/oak forest and grassland. The surrounding forest composition consists primarily of even-age second growth Douglas-fir, oak,

and pacific madrone with a minor amount of other hardwood species. All species combined (conifer & hardwood) basal areas is approximately 360 square feet (sq. ft.) per acre with closed canopy. The properties are zoned Timber Preserve (TPZ) and Agriculture Exclusive (AE) see zoning map in Section 6.

b. Watercourse and Lake Protection Zones (WLPZ) which exist within the boundaries of the parcel or immediate vicinity of the project (Section 916.4)

The property contains watercourses that require WLPZ or ELZ protection (riparian buffer). Some of the conversion sites are within riparian buffers. As per the Forest Practice Rules, the riparian buffer requirements are listed as follows:

Class I standard watercourse 14CCR 916.9(f): (within the Coastal Anadromy Zone)

ZONE WIDTHS:

Channel Zone = channel between the WTL.

30' Core Zone and 70'-120' Inner Zone (100'- 150' Riparian Buffer)

Class II standard watercourse 14CCR 916.9(g): (within the Coastal Anadromy Zone)

ZONE WIDTHS:

Channel Zone = channel between the WTL.

<30% = 15' Core Zone and 50' Inner Zone

30%-50% = 15' Core Zone and 75' Inner Zone

>50% = 15' Core Zone and 100' Inner Zone

Class III watercourse 14CCR 916.9(h): (within the Coastal Anadromy Zone)

ELZ WIDTHS (Riparian Buffer):

30 ft. for side slopes <30%.

50 ft. for side slopes >30%.

c. Describe the timber harvest history, including timber operations within the parcel prior to the unauthorized conversion.

The area has had at least one previous entree. The past harvesting incorporated the removal of large diameter old growth Dougal fir trees by tractor skidding.

d. Identify and describe any portions of the parcel that are part of the unauthorized conversion of timberland. Calculate the total acreage of all areas converted. Differentiate between discrete (non-contiguous) areas of conversion and provide relevant sub-totals of these acreages.

There are 6 sites, totaling 2.67 acres of converted land on the property (see table below).

Site	Year Converted	Acres
B	2008	0.21
E	2012	0.24
F	2017	0.19
I	2012	0.46
K	2012	1.38
M	2012	0.19

4 & 5. Analysis of Consistency between Unauthorized Conversion and Forest Practice Rules.

Site B (The Recreational Pond)

History: The site was first converted for a recreational pond (90' by 62') between 2014 and 2016. The conversion is within a riparian buffer; a class III watercourse passes by the pond through an 18" diameter culvert. No permit was obtained from CALFIRE to expand the conversion area for such activities. No timber harvesting has occurred in or around this site in the last ten years. Hazard reduction issues are present. The American peregrine falcon and the Pacific gilia are the only rare, threatened or endangered animals and plants present within 1000' as per 2018 CNDDDB search. Ownership of Parcel 210-054-008 at the time of the illegal conversion was 4 Wheel Properties LLC.

Recommended mitigations for Site B:

- a) Remove existing pond outlet and relief culvert structures. Replace pond inlet by forming a rock armored channel to allow class III watercourse to enter pond. Install new 36" outlet culvert to convey 100-year flow directly above old class III channel. Armor outlet with full culvert along fill slope connected with an elbow culvert and 12" – 18" diameter rock at outlet. See diagram in Section 6.
- b) Slash piles. Remove all wood debris piles by lope and scatter, pile and burn, or chip to reduce fire potential and pest habitat.

Numbers of acres converted without 14CCR1104.1: **0.21**

Site E (The Hoop Garden)

History: This site was graded before 1998 for two structures. The site was converted for cannabis cultivation in 2012. One of the 2 structures is used for storage space and the other is gone. Currently 2 hoop-houses and several outdoor gardens occupy the site. The majority of the site is within a class II riparian buffer. The site appears to be on a parcel line. No permit was obtained from CALFIRE to convert the area for such activities. No timber harvesting has occurred in or around this site in the last ten years. No hazard reduction issues present. The American peregrine falcon and the Pacific gilia are the only rare, threatened or endangered animals and plants present

within 1000' as per 2018 CNDDDB search. Ownership of Parcel 210-054-008 at the time of the illegal conversion was 4 Wheel Properties LLC.

Recommended mitigation for Site E:

- a) Pull back gardens and remove all cultivation related materials 100' from the nearby watercourse.

Numbers of acres converted without 14CCR1104.1: **0.24**

Site F (The Second Pond)

History: The pond at this site was graded after 2016 for cannabis cultivation. The pond was dry at time of site visit. A water tank is on site. Two erosion channels are forming. No permit was obtained from CALFIRE to convert the area for such activities. No timber harvesting has occurred in or around this site in the last ten years. The conversion is not within any riparian buffers. No hazard reduction issues present. The American peregrine falcon and the Pacific gilia are the only rare, threatened or endangered animals and plants present within 1000' as per 2018 CNDDDB search. Ownership of Parcel 210-054-008 at the time of the illegal conversion was 4 Wheel Properties LLC.

Recommended mitigation for Site F:

- a) Surface erosion. Install 2" to 4" diameter rock 30' past knick-point and outer fill.
- b) Outlet surface erosion forming a channel. Rock access approximately 125' from main road to vegetation around pond and along 2' channel.

Numbers of acres converted without 14CCR1104.1: **0.19**

Site I (The Greenhouse Site 2)

History: This site was first graded for a log landing prior to 2004. The site was converted for cannabis cultivation by 2012. The site is currently occupied by 4 greenhouses. No permit was obtained from CALFIRE to convert the area for such activities. No timber harvesting has occurred in or around this site in the last ten years. The conversion is not within any riparian buffers. Hazard reduction issues are present. The American peregrine falcon and the Pacific gilia are the only rare, threatened or endangered animals and plants present within 1000' as per 2018 CNDDDB search. Ownership of Parcel 210-054-008 at the time of the illegal conversion was 4 Wheel Properties LLC.

Recommended mitigation for Site I:

- a) Slash piles. Remove all wood debris piles by lope and scatter, pile and burn, or chip to reduce fire potential and pest habitat.

Numbers of acres converted without 14CCR1104.1: **0.46**

Site K (The Duck Pond)

History: This site was first graded for a stock pond prior to 2004. The site was never used for cannabis cultivation. No permit was obtained from CALFIRE to convert the area for such activities. No timber harvesting has occurred in or around this site in the last ten years. The conversion is within a class II riparian buffer. Hazard reduction issues are not present. The American peregrine falcon and the Pacific gilia are the only rare, threatened or endangered animals and plants present within 1000' as per 2018 CNDDDB search. Ownership of Parcel 210-054-008 at the time of the illegal conversion was 4 Wheel Properties LLC.

Recommended mitigation for Site K: None

Numbers of acres converted without 14CCR1104.1: **1.38**

Site M (The Mid-Slope Garden)

History: This site was first converted for cannabis cultivation in 2012 when an outdoor garden was planted. Several greenhouses have occupied the site over the years but currently no greenhouse is present. No permit was obtained from CALFIRE to convert the area for such activities. No timber harvesting has occurred in or around this site in the last ten years. The conversion is not within any riparian buffers. Hazard reduction issues are not present. The American peregrine falcon and the Pacific gilia are the only rare, threatened or endangered animals and plants present within 1000' as per 2018 CNDDDB search. Ownership of Parcel 210-054-008 at the time of the illegal conversion was 4 Wheel Properties LLC.

Recommended mitigation for Site M: None

Numbers of acres converted without 14CCR1104.1: **0.19**

Mitigations for Site: Road Points (RP) are specific locations that are currently in conflict with the Forest Practice Rules or have potential to cause environmental damage. Road points have been identified from where the access road enters the property to and around the conversion sites. Road Point locations can be found below on the Project Map.

Road Points:

4. Existing 36" diameter culvert is undersized and failing on a class II watercourse. Replace with a minimum 78" diameter culvert to grade. Rock the inlet and outlet with 12" – 18" diameter rock. Install critical dip on center and line with 4"-6" diameter sharp angular rock. Be sure to rock the nick point leading down to the top of the outlet. Install rock rolling dip 50 feet left and right of the centerline. Line the dip with 4"-6" diameter sharp angular rock. Rock 100' left and right of the centerline with 1"+/- road grade gravel. Replace within 5 years.

5. (CID 10) Failed culvert on a Class II watercourse draining to an instream pond. Replace with a 60" diameter culvert to grade leading to the pond. Rock the inlet and outlet with 12" – 18" diameter rock. Install critical dip on center and line with 4"-6" diameter sharp angular rock. Be sure to rock the nick point leading down to the top of the outlet. Install rock rolling dip 50 feet

left and right of the centerline. Line the dip with 4"-6" diameter sharp angular rock. Rock 100' left and right of the centerline with 1"+/- road grade gravel. Replace within 5 years.

6. (CID 9) Existing 60" diameter culvert is failing on a class II watercourse/instream pond outlet. Replace with a 48" diameter oversized culvert with the inlet located at the preferred level of the pond. Inlet will be screened to prevent exotic fish escape. Maintenance is required to clean inlet on a yearly basis. Rock the inlet and outlet with 12" – 18" diameter rock. No Critical dip. Replace within 5 years.

7. (CID 8) Existing culvert is undersized and failing on a class II watercourse. Replace with a 60" diameter culvert to grade. Rock the inlet and outlet with 12" – 18" diameter rock. Install critical dip on center and line with 4"-6" diameter sharp angular rock. Be sure to rock the nick point leading down to the top of the outlet. Install rock rolling dip 50 feet left and right of the centerline. Line the dip with 4"-6" diameter sharp angular rock. Rock 100' left and right of the centerline with 1"+/- road grade gravel. Replace within 5 years.

8. (CID 7) Existing 36" diameter culvert is undersized and failing on a class II watercourse. Replace with a 60" diameter culvert to grade. Rock the inlet and outlet with 12" – 18" diameter rock. Install critical dip on center and line with 4"-6" diameter sharp angular rock. Be sure to rock the nick point leading down to the top of the outlet. Install rock rolling dip 50 feet left and right of the centerline. Line the dip with 4"-6" diameter sharp angular rock. Rock 100' left and right of the centerline with 1"+/- road grade gravel. Replace within 5 years.

9. (CID 5) Existing culvert crossing on a class III watercourse. Replace with a 30" diameter culvert to grade. Rock the inlet and outlet with 12" – 18" diameter rock. Install critical dip right of hinge line and line with 4"-6" diameter sharp angular rock. Be sure to rock the nick point leading down to the top of the outlet. Install rock rolling dip 50 feet left of the hinge line. Line the dip with 4"-6" diameter sharp angular rock. Rock 100' left and right of the centerline with 1"+/- road grade gravel. Install within 5 years.

6. Photos, Figures, and Maps

Site B) Recreational Pond





Site E) The Hoop Garden





Site F) Pond Site 1



Site I) Greenhouse Site 2

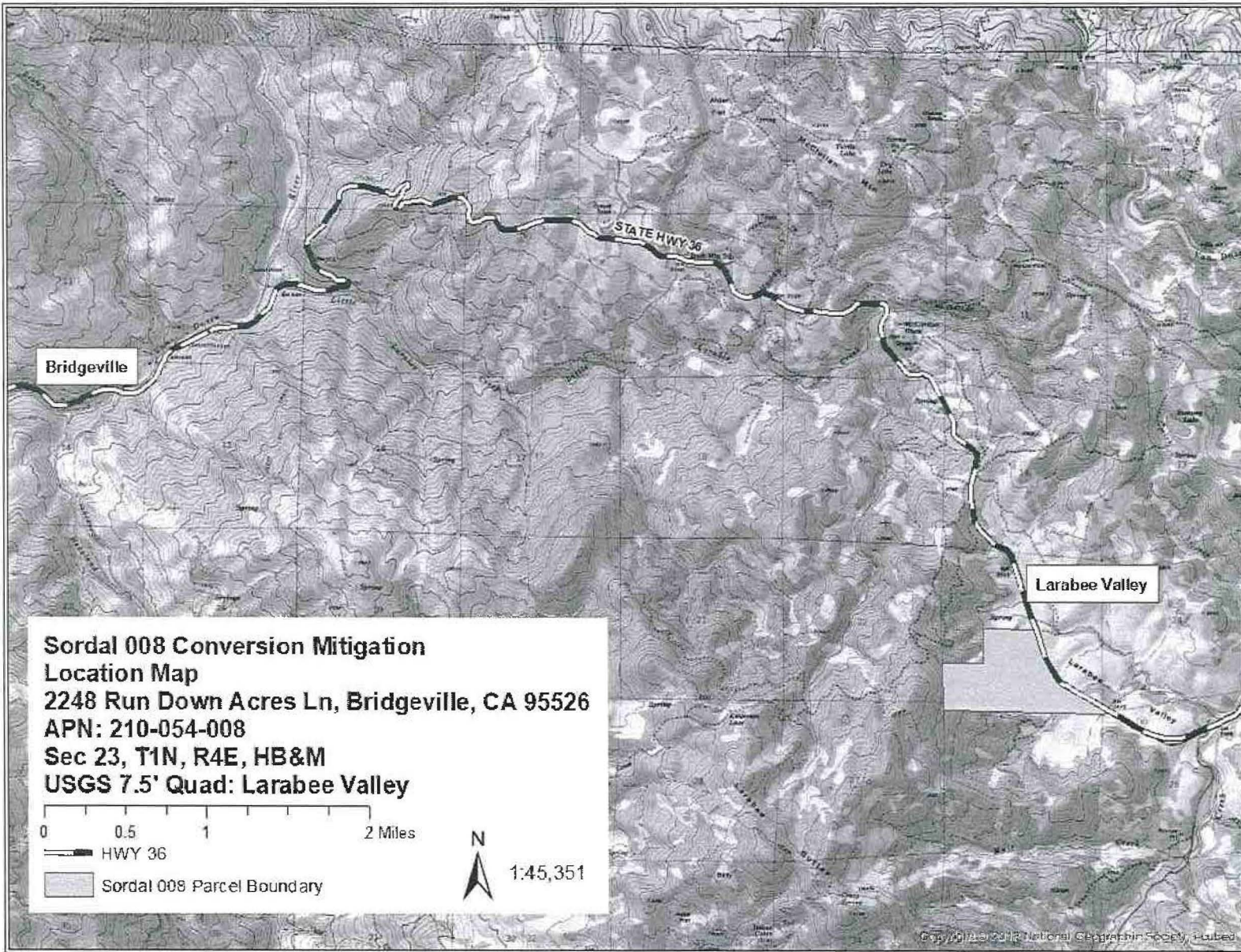


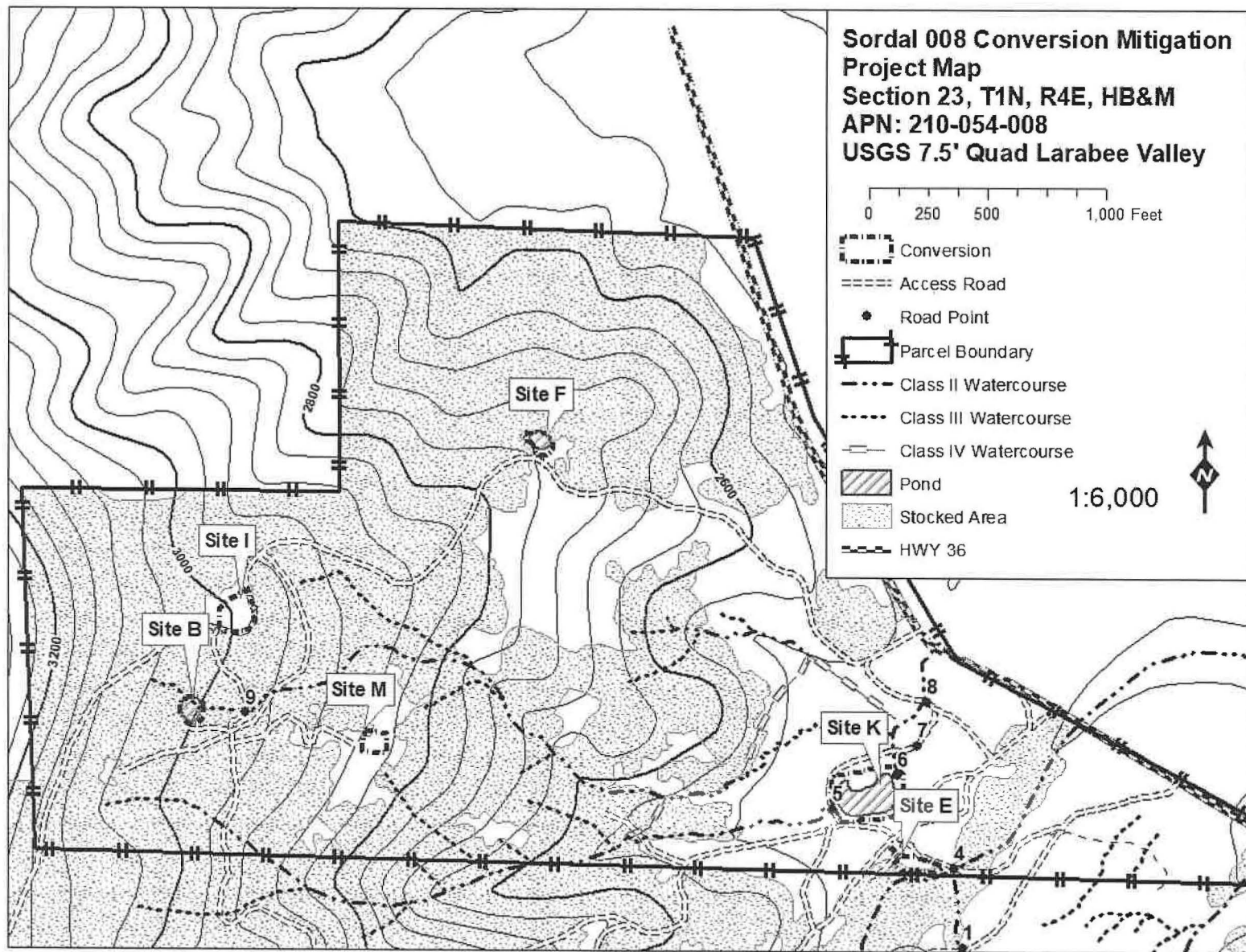
Site K) RP#107 Duck Pond Site 3

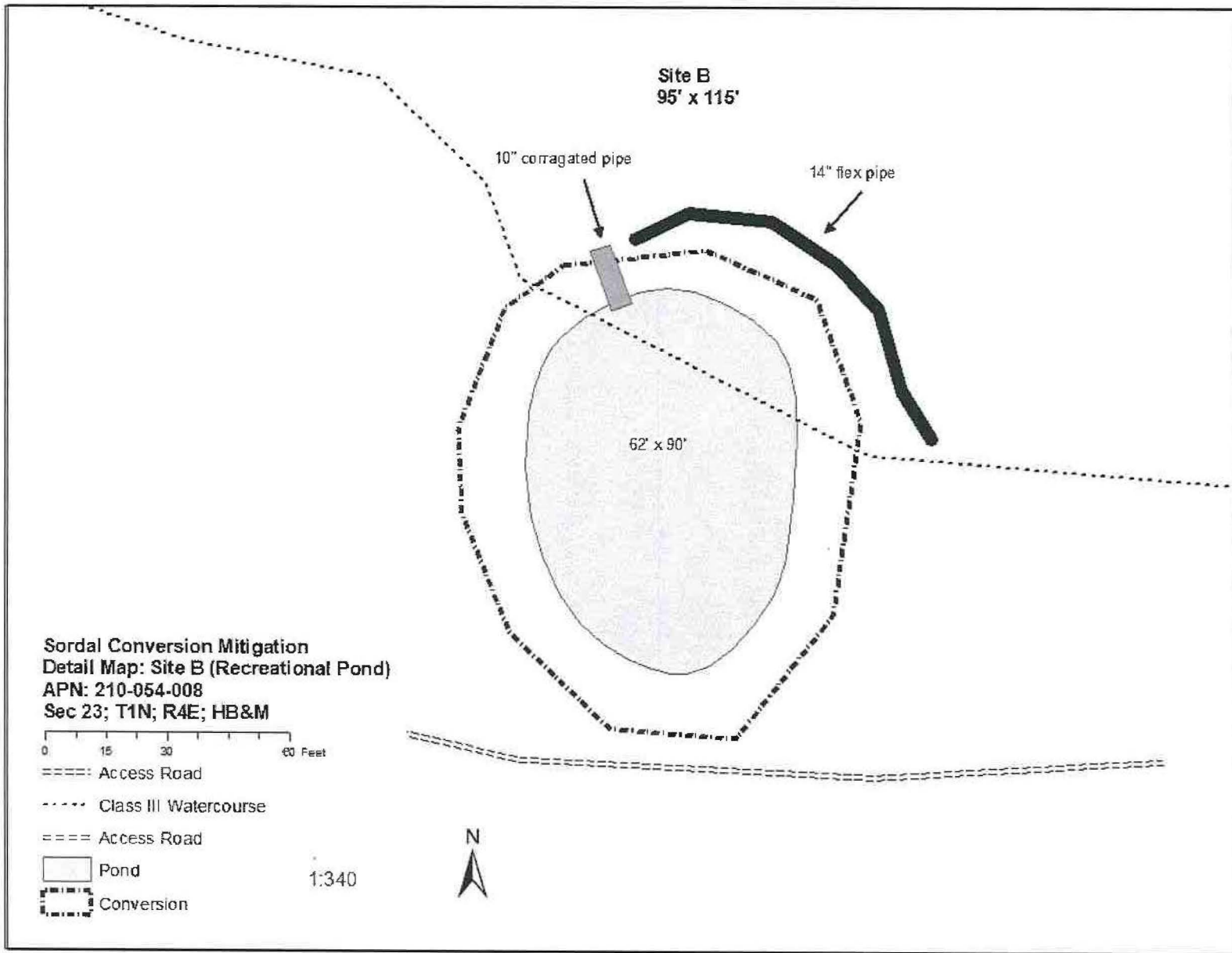


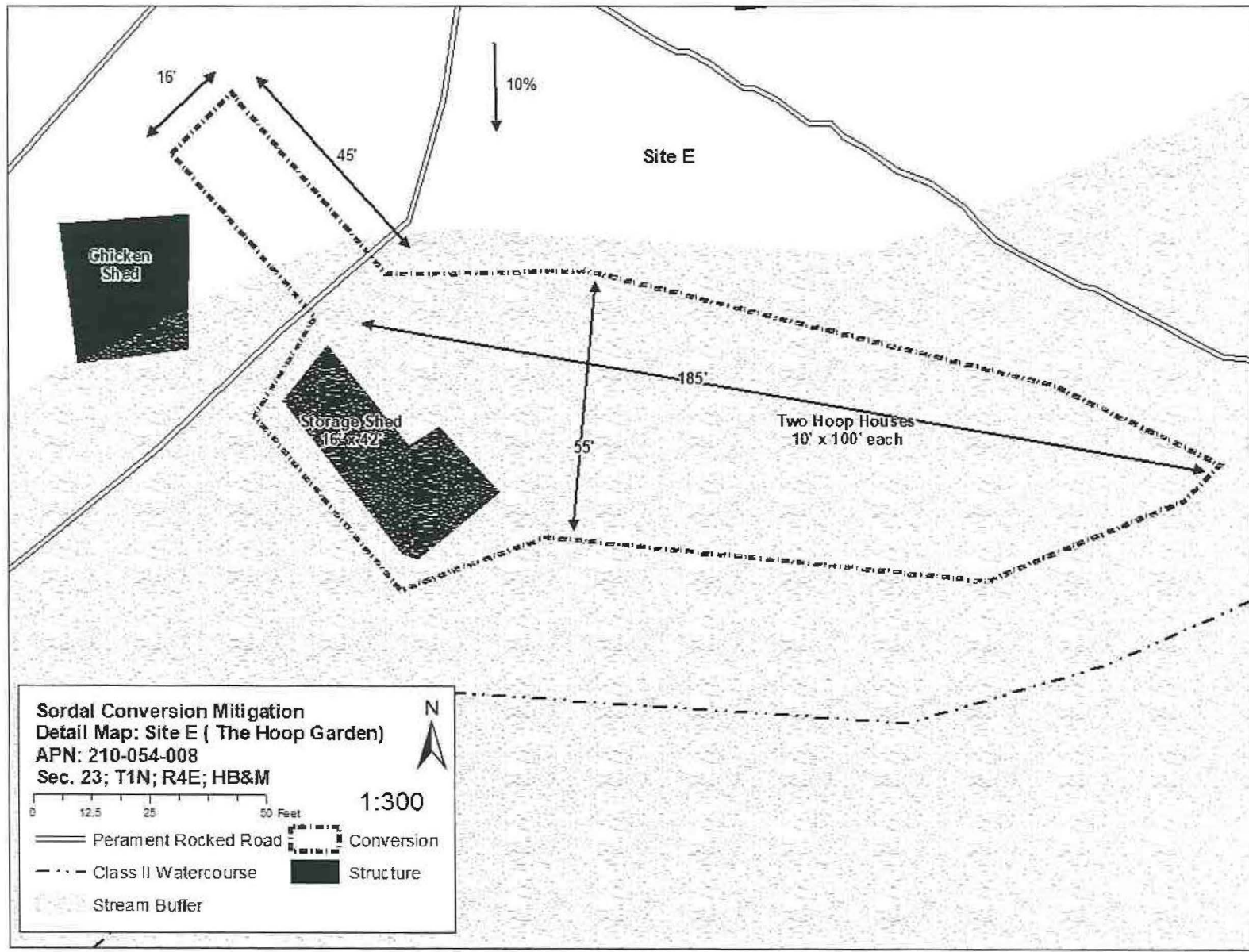
Site M) Mid-Slope Garden

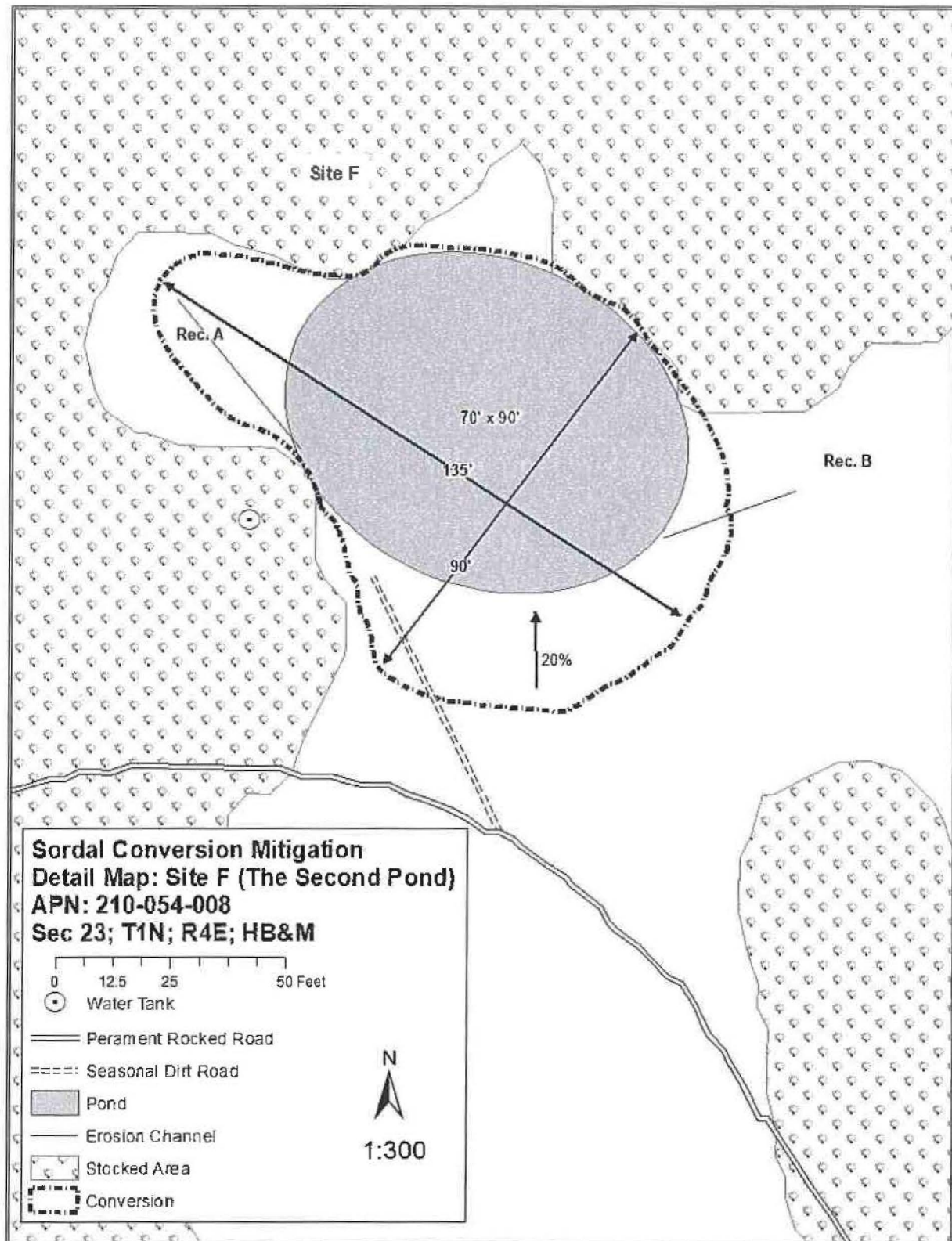


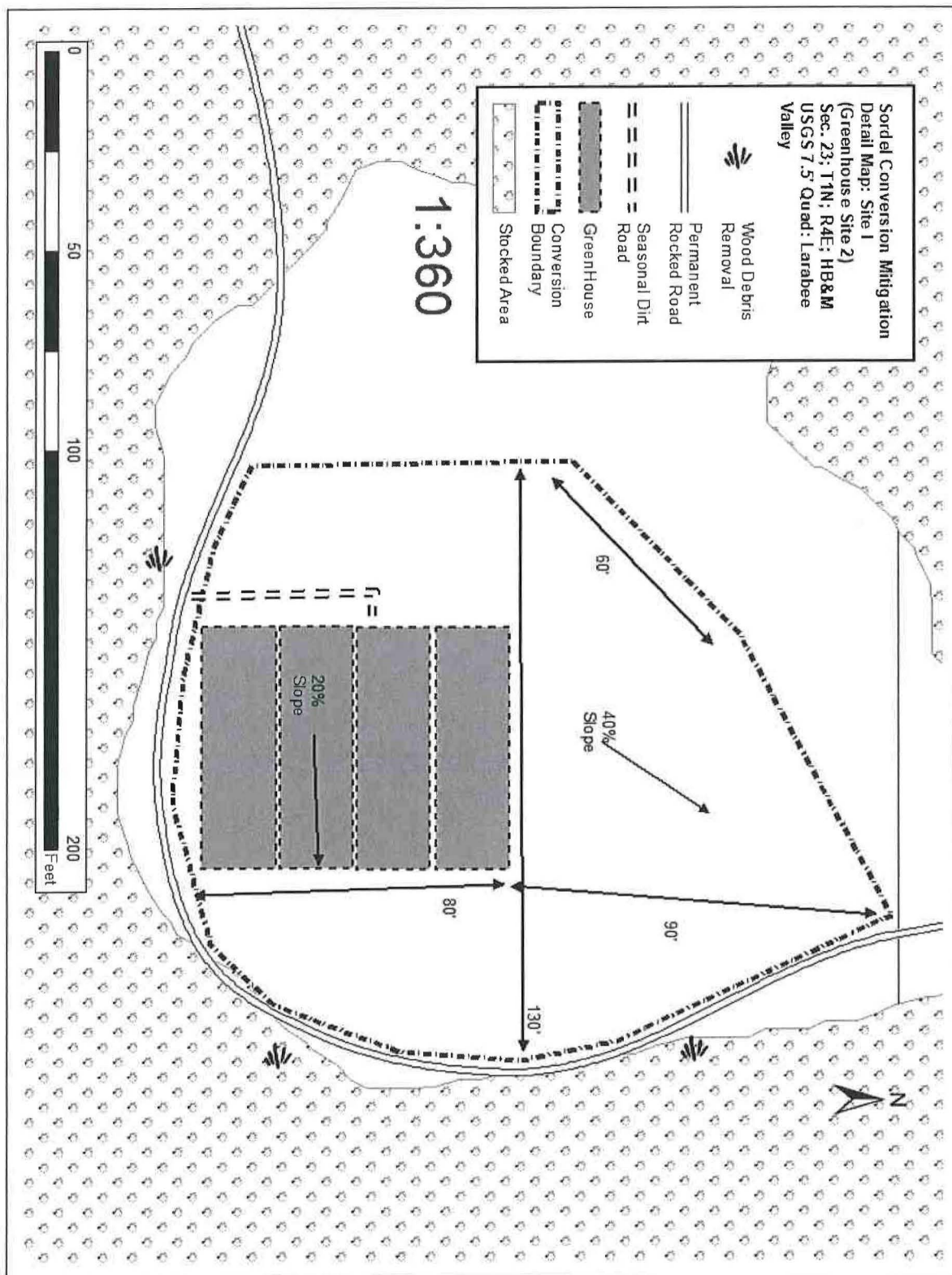


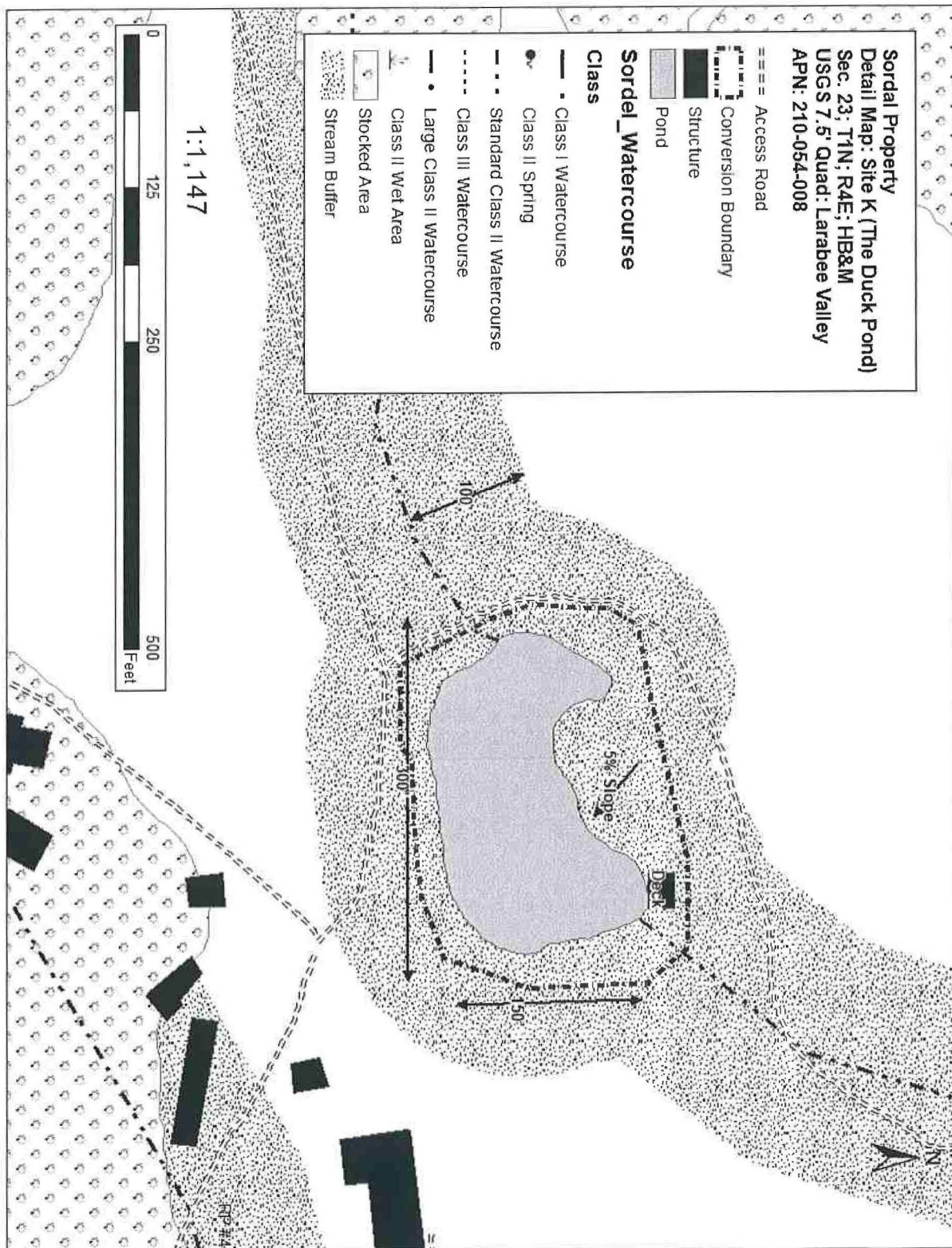


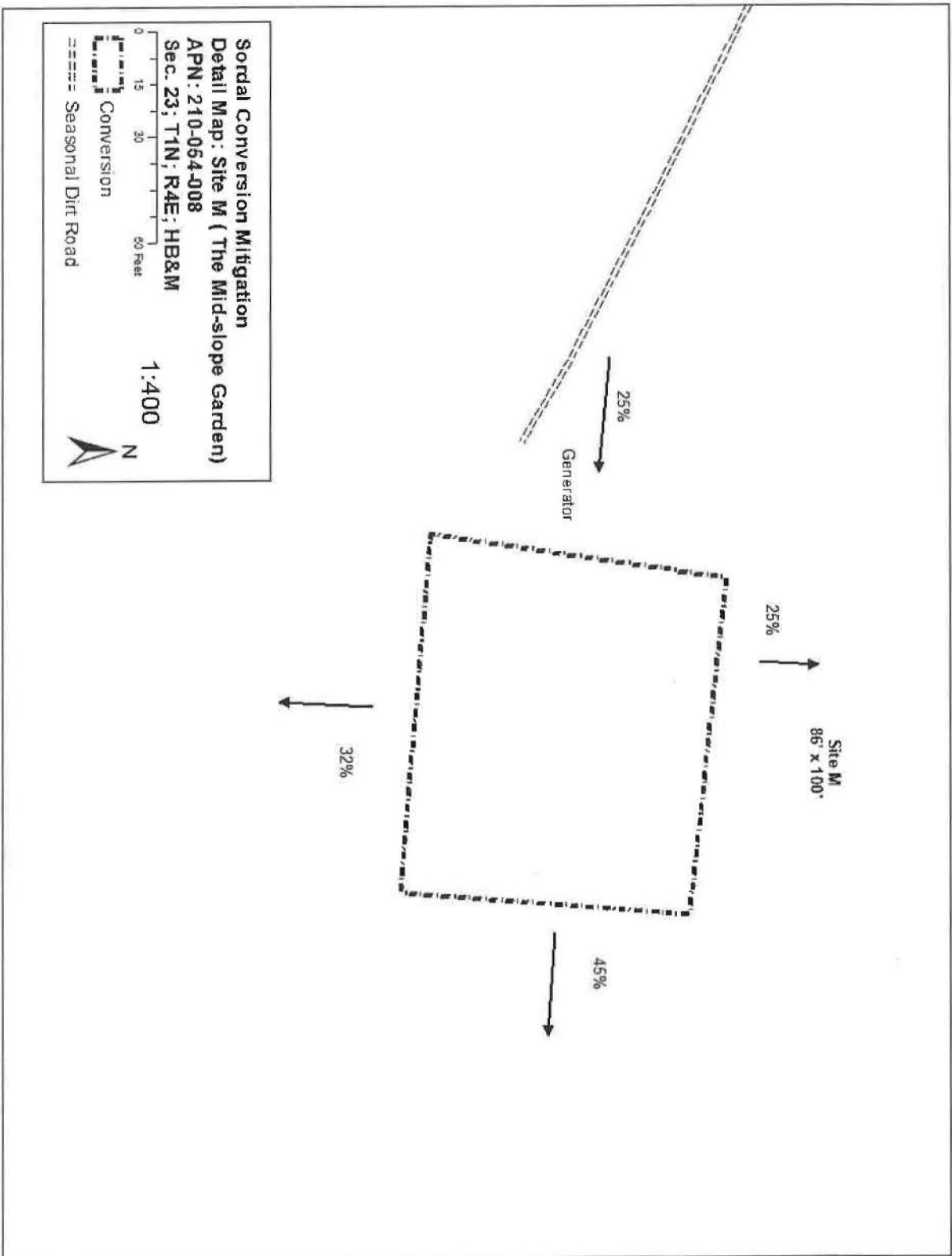








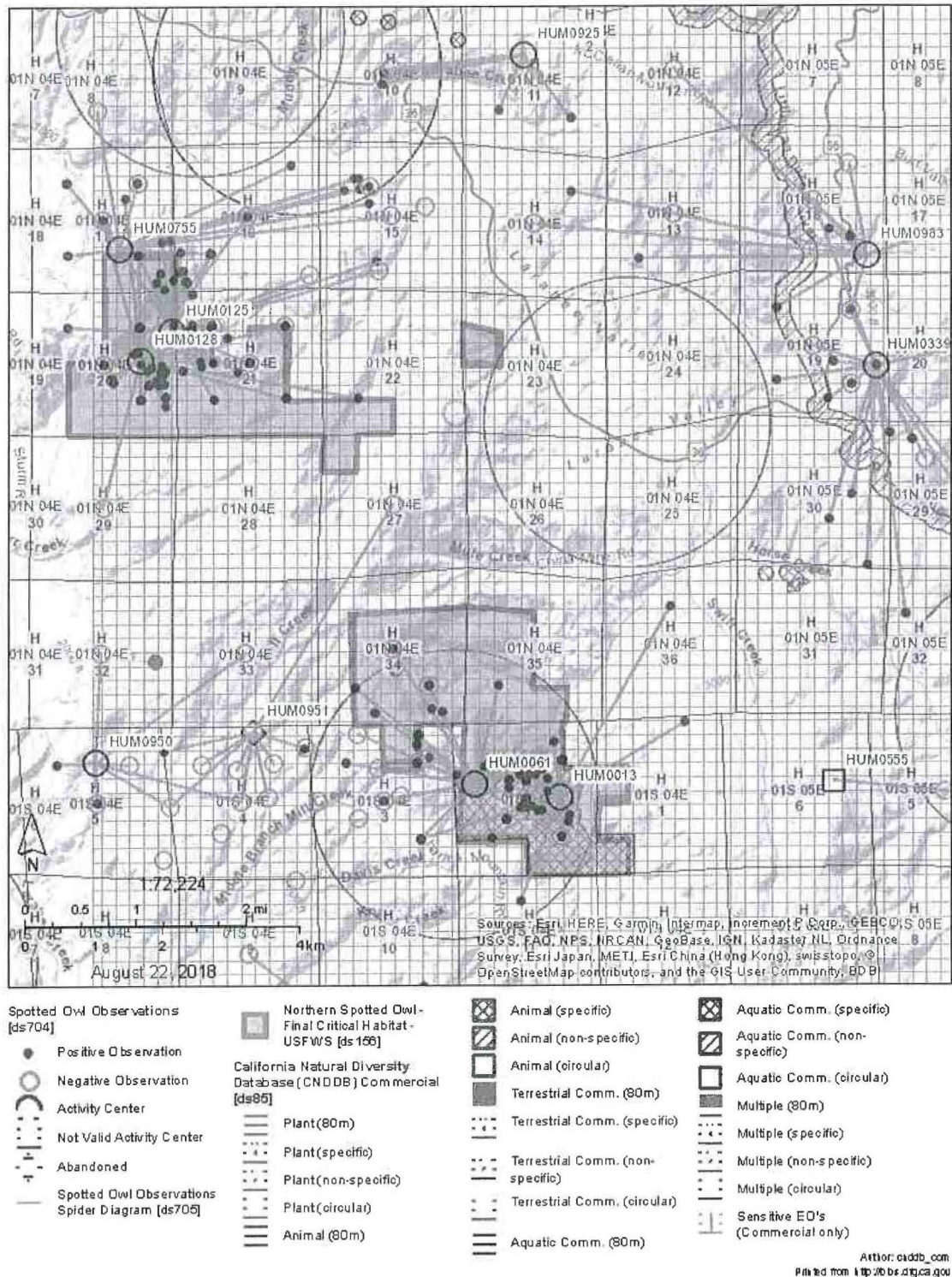






Sordel Properties land use zones

Map of Project Area



Sordel Properties CNDDDB search map

Sordal 008 Conversion Mitigation

Determination of 100-Year Flood Flow

Location: Sordal Conversion Mitigation

(Enter data in fields with red-colored headings. Other data fields will be calculated automatically.)

Magnitude and Frequency Method for 100-year flood flow (A > 100 acres)

Magnitude and Frequency Method for 100-year flood flow (A > 100 acres)								100-yr flood flow Q ₁₀₀ (cfs)				
LSA	RP	Crossing	Area (acres) A	Basin maximum elevation (ft)*	Crossing elevation (ft)*	Area (mi ²) A	Avg. Annual Precipitation (in/yr) P	Index (mean basin elevation)	North Coast ⁽¹⁾ (NC)	Sierra ⁽²⁾ (S)	North- east ⁽³⁾ (NE)	Central Coast ⁽⁴⁾ (CC)
CID10	1	#1	49.12	2760	2520	0.077	55	2640	48.7	43.9	56.6	68.4
	2	#2	252.81	3800	2520	0.395	55	3160	201.4	175.6	187.6	270.7
	4	#3	323.38	3800	2500	0.505	55	3150	249.3	217.9	224.6	332.9
	5	#4	114.4	3540	2500	0.179	55	3020	101.4	88.8	105.1	139.1
	6	#5	114.6	3540	2500	0.179	55	3020	101.5			
CID8	7	#6	114.8	3540	2500	0.179	55	3020	101.7			
CID7	8	#7	152.56	3540	2500	0.238	55	3020	130.0			
CID5	9	#8	15.41	3540	2980	0.024	55	3260	17.9			
STX6	11	#9	20.94	3780	3320	0.033	55	3550	23.3			
STX5	13	#10	9.17	3800	3330	0.014	55	3565	11.4			
STX4	14	#11	15.72	3810	3330	0.025	55	3570	18.2			
STX3	15	#12	12.12	3810	3430	0.019	55	3620	14.5			
STX1	16	#13	4.26	4010	3800	0.007	55	3905	5.9			
STX2	17	#14	4.42	3810	3500	0.007	55	3655	6.1			
CID3	B	#15	13.2	3540	3000	0.021	55	3270	15.6			

*To estimate discharges for ungauged, use elevations along watercourse at 25 percent and 75 percent of water-course length from crossing to drainage divide, respectively, instead of using maximum and crossing elevations.

See below for M&F equations

Rational Method for 100-year flood flow (A < 200 acres)

No.	RP	Crossing	$T_c = 60((11.9 \times L^3)^{0.385})$			$Q_{100} = CIA$				Magnitude & Frequency Q_{100} equations
			Channel length (to top of basin) (mi) L	Elevation difference (ft) H	Concentra- tion time (min) Tc	Runoff coefficient C	100-year Return-Period Precipitation (in/hr) P*	Area (acres) A	100-yr flood flow (cfs) Q_{100}	
	1	#1	0.01718	240	0	0.4	3.83	49.12	75.3	$NC (1) Q_{100} = 48.5(A)^{0.77} (P)^{1.49}$ $S (2) Q_{100} = 20.6(A)^{0.51} (P)^{1.49} (H)^{0.44}$ $NE (3) Q_{100} = 0.713(A)^{0.47} (P)^{1.49}$ $CC (4) Q_{100} = 11.0(A)^{0.37} (P)^{1.49}$
	2	#2	0.9284	1280	9	0.4	3.83	252.81	387.3	
	4	#3	1.2215	1300	12	0.4	3.83	323.38	495.4	
CID10	5	#4	0.8428	1040	9	0.4	3.83	114.4	175.3	
CID9	6	#5	0.9028	1040	10	0.4	3.83	114.6	175.6	
CID8	7	#6	0.903	1040	10	0.4	3.83	114.8	175.9	
CID7	8	#7	0.9789	1040	10	0.4	3.83	152.56	233.7	
CID5	9	#8	0.3337	560	4	0.4	3.83	15.41	23.6	
STX6	11	#9	0.2134	460	2	0.4	3.83	20.94	32.1	
STX5	13	#10	0.1825	470	2	0.4	3.83	9.17	14.0	
STX4	14	#11	0.2322	480	3	0.4	3.83	15.72	24.1	
STX3	15	#12	0.1604	380	2	0.4	3.83	12.12	18.6	
STX1	16	#13	0.0662	210	1	0.4	3.83	4.26	6.5	
STX2	17	#14	0.1312	310	2	0.4	3.83	4.42	6.8	
CID3	B	#15	0.34	540	4	0.4	3.83	13.2	20.2	

*Use 100-yr precipitation of duration similar to T_c or for 10 min, whichever is larger, convert to in/hr for input as "P"

RECORDING REQUESTED BY:
Fidelity National Title Company of California
Escrow No.: 09-234006-TW
Locate No.: CAFNT0912-0912-0001-0000234006
Title No.: 09-234006

When Recorded Mail Document
and Tax Statement To:
4 Wheel Properties
P.O. Box 202
Carlotta, CA 95528

2010-16854-3
Recorded — Official Records
Humboldt County, California
Carolyn Crnich, Recorder

Recorded by FIDELITY NATIONAL TITLE CO.
Rec Fee 19.00
Doc Trf Tax 1584.00
Survey Mon 10.00
Clerk: LH Total: 1613.00
Aug 6, 2010 at 14:33

APN: 210-071-00,210-062-007,210-054-008,210-072-009,210-062-003

SPACE

GRANT DEED

The undersigned grantor(s) declare(s)
Documentary transfer tax is \$1,584.00

[X] computed on full value of property conveyed, or
[] computed on full value less value of liens or encumbrances remaining at time of sale,
[] Unincorporated Area City of **Unincorporated area**,

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, Michael G. Kasolas, Chapter 11 Trustee, For Larabee Land & Cattle Trust dated April 21, 2005

hereby GRANT(S) to Aisling Scrosoppi, a single woman as to Tract B and 4 Wheel Properties, a California Limited Liability Company as to Tract A and C

the following described real property in the City of **Unincorporated area**, County of **Humboldt**, State of **California**:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

DATED: July 25, 2010

State of California
County of San Francisco

On August 5, 2010 before me,
Jackie Jacobus, Notary Public
(here insert name and title of the officer), personally appeared
Michael G. Kasolas

Michael G. Kasolas, Chapter 11 Trustee, For
Larabee Land & Cattle Trust

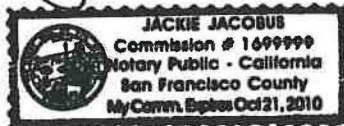
By: [Signature]
Michael G. Kasolas, Trustee
Chapter 11

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature] (Seal)



MAIL TAX STATEMENTS AS DIRECTED ABOVE

FD-213 (Rev 12/07)
(grant)(06-09)

GRANT DEED

(1)

Escrow No.: 09-234006-TW
Locate No.: CAFNT0912-0912-0001-0000234006
Title No.: 09-234006

EXHIBIT "A"

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF HUMBOLDT, STATE OF CALIFORNIA,
AND IS DESCRIBED AS FOLLOWS:

TRACT A

Parcel 4, as shown on Parcel Map No. 1695 for Ayn Victoria in Sections 13, 23, 24, 25, 26 and 27, Township 1 North, Range 4 East, Humboldt Base and Meridian, and Sections 18 and 19, Township 1 North, Range 5 East, Humboldt Base and Meridian, filed December 27, 1979, in the Office of the Humboldt County Recorder, in Book 15 of Parcel Maps, Pages 4, 5, and 6, and amended by Certificate of Correction recorded May 7, 1985, in Book 1766, Page 642 of Official Records of Humboldt County.

EXCEPTING THEREFROM Parcel 1 of Tract Map No. 238 filed July 18, 1985, in Book 18 of Maps, Page 75, Humboldt County Records.

ALSO EXCEPTING THEREFROM the Northwest Quarter of the Northwest Quarter, the South Half of the Northwest Quarter and the Southwest Quarter of Section 25, Township 1 North, Range 4 East, Humboldt Base and Meridian;

ALSO EXCEPTING FROM said Section 25 those portions thereof conveyed to the State of California by Deeds recorded May 13, 1970, in Book 1042, Pages 372 and 377, Humboldt County Official Records.

APN 210-071-00, 210-062-007 and 210-054-008

TRACT B

All that portion of Parcel 4, as shown on Parcel Map No. 1695 for Ayn Victoria in Sections 13, 23, 24, 25, 26 and 27, Township 1 North, Range 4 East, Humboldt Base and Meridian, and Sections 18 and 19, Township 1 North, Range 5 East, Humboldt Base and Meridian, filed December 27, 1979, in the Office of the Humboldt County Recorder, in Book 15 of Parcel Maps, Pages 4, 5, and 6, and amended by Certificate of Correction recorded May 7, 1985, in Book 1766, Page 642 of Official Records of Humboldt County, described as follows:

The Northwest Quarter of the Northwest Quarter, the South Half of the Northwest Quarter and the Southwest Quarter of Section 25, Township 1 North, Range 4 East, Humboldt Base and Meridian;

Also all that portion of the Northeast Quarter of the Northwest Quarter of said Section 25 lying Southwesterly of the Southwesterly line of the State Highway Route 36, as it presently exists.

EXCEPTING FROM that portion of the said Northeast Quarter of the Northwest Quarter of said Section 25, one-half of all oil, hydrocarbon substances and minerals in said land, together with the right to enter thereon for exploration and development purposes, as reserved by Emil Wulif, et ux, in Deed recorded April 3, 1951, in Book 164, Page 524, Humboldt County Official Records.

ALSO EXCEPTING FROM said Section 25 those portions thereof conveyed to the State of California by Deeds recorded May 13, 1970, in Book 1042, Pages 372 and 377, Humboldt County Official Records.

APN 210-072-009

2010-16854-3

(2)

TRACT C

The Southeast Quarter of the Southeast Quarter of Section 27, Township 1 North, Range 4 East, Humboldt Base and Meridian.

APN 210-062-003

APN: 210-071-00,210-062-007,210-054-008,210-072-009,210-062-003

2010-16854-3

(3)

7. References

California Forest Practice rules, 2018; Title 14, California Code of Regulations, Chapters 4, 4.5, and 10

California Natural Diversity Database 2018 – <http://bios.dfg.ca.gov>

Parcel Quest Data – County Assessor information; <http://pqweb.parcelquest.com>

STATEMENT OF CONTINGENT AND LIMITING CONDITIONS CONCERNING THE PREPARATION AND USE OF THE LESS THAN 3 AC CONVERSION MITIGATION PLAN

Prepared by Hohman & Associates

1. This information has been prepared for the sole use of the **Landowner of Record**, for the express purpose of submitting the document to CAL Fire and the local county planning department.
2. Hohman and Associates does not assume any liability for use of this information by any party other than the owner or their agent.
3. The assessment presented in this report should be viewed and considered in light of the time spent observing the property and the methodologies used. The assessment may differ from those made by others or from the results of interpretation and assessment protocols.
4. Hohman and Associates/Mad River Properties Inc. did not conduct an investigation on a legal survey of the property.
5. The information is based upon conditions apparent to Hohman and Associates at the time the work was done. This report is time sensitive and provides current conditions as per the date of this document. No further clearing of trees, grading or construction of structures shall occur on site until the approval of this document by CAL Fire and/or the local county planning department.
6. All future work on site shall be through **approved permits** with local state or county agencies.
7. Hohman and Associates shall not be responsible for the supervision of mitigation operations following approval of the conversion plan.

Land Owner of Record: Erik Sordal

Signature: _____

Date: _____

Registered Professional Forester: Stephen Hohman RPF #2652

Signature: 

Date: 9-10-18

