Attachment 3

LAW OFFICE OF MARC CHYTILO, APC

ENVIRONMENTAL LAW

September 10, 2018

Santa Barbara County Planning Commission
Santa Barbara County
123 E. Anapamu Street
Santa Barbara, CA 93101

By email to dvillalo@co.santa-barbara.ca.us

RE: North Fork Ranch Frost Ponds Appeal, Item # 3, 9/12/18

Dear Chair Blough and Honorable Planning Commissioners,

This office represents Roberta Jaffe and Stephen Gliessman, Appellants in this matter. Ms. Jaffe and Mr. Gliessman are Cuyama Valley residents and farmers of a 5-acre dry-farming operation called Condor's Hope Ranch. We've submitted several letters into the record to support the appeal, including a report by Professional Hydrologist Dennis Gibbs who has 20 years of experience monitoring and reporting on water conditions in the Cuyama Valley, a review of the biological surveys prepared by Dr. Gliessman who has almost 50 years of experience in botany and ecology, and a letter from this office addressing the fundamental legal issue that the consumptive water use of the frost protection system must be considered in the environmental analysis, not only the evaporation from the 3 frost ponds themselves, since CEQA requires analysis of "the whole of a project." (Letter dated September 7, 2018.)

The Cuyama Groundwater Basin is in a state of Critical Overdraft, with groundwater extraction proceeding at twice the rate of groundwater recharge. Groundwater is the exclusive source of water in the Cuyama Valley, and without adequate groundwater agriculture and human habitation would not be possible. The County of Santa Barbara, along with the three other counties that overly portions of the Cuyama Groundwater Basin, is participating in the development of a Groundwater Sustainability Plan (GSP) required by the Sustainable Groundwater Management Act (SGMA), that will regulate groundwater use in the Cuyama Valley in order to stop the overdraft of this groundwater basin. Ms. Jaffe is the Chairperson for the Standing Advisory Committee to the Cuyama Basin Groundwater Sustainability Agency (GSA), a stakeholder advisory committee that advises the GSA Board of Directors regarding the development of the GSP.

Because the Cuyama GSP is not yet final, it is incumbent on the County's planning process to carefully scrutinize projects such as the North Fork Frost Pond Project ("Project") which include large-scale extraction of groundwater from this critically overdrafted basin. Unfortunately the County's Planning Department so far has failed to give this Project the scrutiny it requires, by only counting the tiny fraction of water that will evaporate from these ponds and ignoring the large amount of water that is sprayed to protect the grapes from frost, which are all parts of the Project.

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When all the Project's water use is totaled, the impacts on the critically overdrafted Cuyama Groundwater Basin are significant, but may be avoidable.

Whether or not the Mitigated Negative Declaration (MND) must consider the full consumptive water use of the Frost Ponds Project is a key issue in this appeal, and in our September 7, 2018 letter we make a clear case for why the California Environmental Quality Act (CEQA) requires that it does. **If the amount of water required to fill the frost ponds and protect the grapes from frost is included, the Project clearly exceeds the County's threshold for identifying a significant impact to groundwater resources in the critically overdrafted Cuyama Groundwater Basin, and the Planning Commission may not approve the Project without an Environmental Impact Report ("EIR").**

This letter explains that even considering only evaporation from all of the Frost Protection System (the MND considered only evaporation from the ponds themselves), the amount of water consumed exceeds the County's CEQA Threshold and thus there is substantial evidence supporting a fair argument that the Project may result in significant impacts to groundwater resources requiring analysis, and avoidance or mitigation in an EIR.

Additionally, the Staff Report and MND omit a discussion of the Project's consistency with the Comprehensive Plan Conservation Element's Groundwater Policies. Discussed herein, the Project is inconsistent with these policies, precluding the Commission from making required findings of approval.

1. The Project and its MND Violate the California Environmental Quality Act

"The foremost principle under CEQA is that the Legislature intended the act 'to be interpreted in such manner as to afford the fullest possible protection to the environment within the reasonable scope of the statutory language.'" (*The Pocket Protectors v. City of Sacramento* (2004) 124 Cal.App.4th 903, 926.) "The EIR requirement is the heart of CEQA." (Cal. Code Regs., tit. 14[1], § 15003 (a).) An EIR identifies the significant effects a Project will have on the environment, identifies alternatives to the project, and indicates the manner in which the significant effects can be mitigated or avoided. (Public Resources Code § 21002.1(a).) Its purpose is to "inform the public and its responsible officials of the environmental consequences of their decisions *before* they are made", protecting the environment as well as informed self-government. *Citizens for Goleta Valley v. Board of Supervisors of Santa Barbara County* (1990) 52 Cal. 3d 553, 564.

CEQA "creates a low threshold requirement for initial preparation of an EIR and reflects a preference for resolving doubts in favor of environmental review when the question is whether any such review is warranted." *League for Protection of Oakland's Architectural and Historic*

[1] This code section referred to hereafter as the "CEQA Guidelines" or "Guidelines."

Resources v. City of Oakland (1997) 52 Cal. App. 4th 896, 904-905; Public Resources Code § 21151. Reliance on a Negative Declaration or Mitigated Negative Declaration is only allowed where "mitigation measures would mitigate the effects to a point where clearly no significant effects would occur" and "there is no substantial evidence, in light of the whole record before the agency, that the project as revised may have a significant effect on the environment." (CEQA Guidelines 15070(b).)

If a lead agency is presented with substantial evidence supporting a fair argument that a project may have a significant effect on the environment, "the lead agency shall prepare an EIR even though it may also be presented with other substantial evidence that the project will not have a significant effect." (CEQA Guidelines § 15064 (f)(1).(emphasis added)) Substantial evidence "means enough relevant information and reasonable inferences from this information that a fair argument can be made to support a conclusion, even though other conclusions might also be reached. (Guidelines § 15384 (a).) Substantial evidence includes facts, reasonable assumptions predicated on facts, and expert opinion supported by facts. (Pub. Res. Code, § 21082.2 (c); Guidelines, § 15384.)

"[I]n marginal cases where it is not clear whether there is substantial evidence that a project may have a significant effect on the environment, the lead agency shall be guided by the following principle: If there is a disagreement among expert opinion supported by facts over the significance of an effect on the environment, the Lead Agency shall treat the effect as significant and shall prepare an EIR." (Guidelines § 15064 (g).)

Discussed below, there is substantial evidence supporting a fair argument that the Project may cause potentially significant impacts in the areas of groundwater, land use, and biological resources, and accordingly CEQA clearly requires that an EIR be prepared. An EIR would include a thorough assessment of the baseline environmental conditions with respect to groundwater and biology, a complete impact analysis, and importantly would identify a reasonable range of alternatives to the Project that would accomplish the Project's basic objective (frost protection) while substantially reducing or avoiding the Project's significant environmental impacts.

i. Excluding Water Used By the Project from the Environmental Analysis Is Plainly Contrary to CEQA

Our letter of September 7, 2018 explains in detail why CEQA clearly requires that the MND analyze the *whole of the development proposal* with the potential to impact the environment, which includes the Project's consumptive water use. The County may not cut the project up into separate pieces to avoid environmental review – if a portion of the project is discretionary and subject to environmental review, and there is substantial evidence an impact may be significant, all of the project's impacts must be evaluated in an EIR.

ii. Last Minute Changes to the Project Description

The Final MND for the Planning Commission's consideration was released to Appellant on Thursday September 6. Compared to the prior Final MND from August 2017, the Project Description changed significantly. The Zoning Administrator considered an MND that included 535 acres of grapes, with a projected addition of 100 additional acres, dated August 11, 2017. This increased by nearly 100% to 1000 acres of grapes in the Project Description released last week. Detail on the spray nozzles was provided for the first time in the latest MND, enabling calculation of evaporative emissions from frost protection operations. The all-important duration of frost events was provided for the first time in last week's MND, but projected that the spray operations would require only 2 hours per frost event, contrary to generally accepted and observed characteristics of these events which typically entail 5 hours of spraying, on average. These changes and omissions prevented an accurate assessment of the Project's total water use and other critical elements of the Project Description that are necessary for an adequate environmental review process. An accurate and stable Project Description is essential for an adequate environmental review process, and the significant changes to the project disclosed late in this process precludes informed public participation. (*County of Inyo v. City of Los Angeles* (1977) 71 Cal.App.3d 185, 193.)

iii. Substantial Evidence Supports a Fair Argument that the Project May Result in Potentially Significant Impacts to the Critically Overdrafted Cuyama Groundwater Basin

1. The Project's Consumptive Water Use Far Exceeds the County's Threshold for the Cuyama Groundwater Basin

Discussed in our September 7, 2018 letter, the County erred in excluding the Project's full consumptive water use from the MND's impact analysis. The MND clarifies that the Project would utilize approximately 25 AF per 3-hour frost event (MND p. 37), meaning the County's 31 AFY threshold would be exceeded after only two frost events. The quantity of water used just to fill the ponds for just two events exceeds the threshold by over four-fold! The Frost Ponds are needed to operate the Frost Protection System – without them, the system cannot operate. Accordingly when the *whole of the Project* is considered, as CEQA requires, the County's threshold is exceeded, resulting in a potentially significant Project-specific and cumulative impacts (*see* MND p. 38, clarifying that the 31 AFY threshold also applies to determining whether the Project has a cumulatively considerable impact) that must be addressed in an EIR.

2. The MND Understates Impacts from Evaporation

Even if the County can find some justification to consider the Project's impact narrowly by looking only at evaporation from the Frost Pond System, there is additional substantial evidence that even the evaporation losses triggered by approval of the Frost Ponds themselves will cause a

significant impact. Attached hereto is a memo from Katherine Anderson on Evaporative Loss, which explains this issue in detail, and includes the data and references used in the analysis.

The MND significantly understates the quantity of water that will be lost to evaporation by failing to consider evaporative losses occurring from spray irrigating for frost-protection. Water not directly or indirectly used in support of the existing vineyards, such as evaporative losses, must be considered for the County's 31 AF threshold. Since the amount of water lost through evaporation exceeds this threshold, the impact is considered significant. Even at cold temperatures, water will evaporate from the sprayed water as it travels through the air.

Meteorological data from the nearby California Irrigation Management Information System (CIMIS) station was reviewed to identify the quantity and duration of frost events in the Cuyama Valley. The use of real-world data allows a clearer picture of potential water use and evaporation at the North Fork Ranch vineyard. From this data, nine frost events totaling 45 hours during the growing season were identified, with an average duration of 5 hours. This is much greater than the applicant's claim that *"the vines would be sprayed for a duration of two to three hours; and not all frost events require that the entire vineyard be sprayed (MND, p. 37)."* Since the vineyard lies an average of 375 feet lower in elevation than the CIMIS station, the temperatures at the North Fork Vineyard will be colder than those recorded at CIMIS Cuyama and be subject to even more frost events with longer durations, and would indeed represent the entire vineyard being sprayed for frost protection.

The amount of water that would be used for frost protection during one growing season and subsequently the evaporative loss associated with that sprayed water was calculated based on the CIMIS data, resulting in a total of 372.87 AF applied, and 18.14 AF lost to evaporation by the frost sprinklers. (*See* attached Anderson Memo.)

The project claims no significant impact through water loss because the reservoir evaporative losses are calculated to total 26.28 acre feet. However, the Project's additional evaporative losses of 18.14 AF from the frost sprinklers themselves increase the total water loss to 44.42 acre feet, well past the threshold of 31 acre feet per year. If the amount applied for frost protection is considered along with the amount evaporating from the frost reservoirs, it totals an astonishing 399.15 AF.

3. Substantial Evidence of a Fair Argument Notwithstanding the County's Numerical Impact Threshold

The County's 31 AFY threshold was calculated based expressly on a lesser level of overdraft based on 1992 data showing an overdraft of 28,525 AFY, whereas the MND identifies a current overdraft of at least 30,000 AFY. (Gibbs Report, p. 3.) Mr. Gibbs observes that the thresholds are "severely out of date (25 years old)" and concludes "[t]he 31 AFY Threshold should

be recalculated to reflect more current data on the status of the Cuyama Groundwater Basin." (Gibbs Report, p. 3.) Discussed in section 2.i below, the County also has an action item in its Groundwater Resources policies requiring that the County update its groundwater thresholds as new data becomes available and as overdraft conditions persist (*see* Comprehensive Plan, Conservation Element Groundwater Resources Section, **ACTION 3.10.1.)**

Moreover, as explained in the Gibbs Report, according to the County's CEQA Thresholds and Guidelines Manual,

> Groundwater supplies are limited in terms of the annual amount of water which can be withdrawn without causing a long term drop in water levels ("Safe Yield") and in the amount of total storage of a basin which can be removed without significant environmental effects ("Available Storage"). These limits make conservative use of water a necessary policy in Santa Barbara County in order to avoid or minimize significant and lasting adverse environmental effects.

(Gibbs Report, p. 3, County CEQA Thresholds Manual, pp. 67-68.) Based on this language in the County's thresholds, and his considerable knowledge and expertise regarding the Cuyama Groundwater Basin, Mr. Gibbs concludes:

> Based on the overdrafted condition of the Greater Cuyama Groundwater Basin, which per CDWR Bulletin 118 includes the Cottonwood Sub-basin, I believe that the project could result in Potentially Significant Impacts in these areas of Water Resources [subsections a, and g-j of the MND].

(Gibbs Report, p. 3.)

Discussed above, this expert opinion supported by facts that the Project may result in potentially significant impacts to groundwater resources is grounds for requiring an EIR. (*See* Pub. Res. Code, § 21082.2 (c); Guidelines, § 15384; *see also* Guidelines § 15064 (g).) This is the case even if an adopted significance threshold is not triggered. (*See Mejia v. City of Los Angeles* (2005) 130 Cal.App.4th 322, 342 (a public agency cannot apply a threshold of significance or regulatory standard in a way that forecloses the consideration of any other substantial evidence showing there may be a significant effect.))

iv. Substantial Evidence Supports a Fair Argument that the Project May Result in Significant Land Use Impacts Resulting from Policy Inconsistencies

"[I]f substantial evidence supports a fair argument that the proposed project conflicts with policies [adopted for the purpose of avoiding or mitigating an environmental effect] this constitutes grounds for requiring an EIR." (*Pocket Protectors,* 124 Cal.App.4th at 930; CEQA Guidelines, App. G, § IX (b).) Here, substantial evidence supports a fair argument the Project is inconsistent

with groundwater conservation policies in the County's Comprehensive Plan, adopted for the purpose of conserving the County's groundwater resources. Specifically, the County's Conservation Element includes a Groundwater Resources Section, which sets forth various policies and actions that are directly applicable to this Project, but were not analyzed in the MND or Staff Report. The Project results in numerous inconsistencies with the applicable policies and actions in the Groundwater Resources Section, which are explained, along with the evidence supporting the inconsistency, in section 2.i of this letter (below).

v. The MND Fails to Accurately Describe the Environmental Setting for Biological Resources and Potentially Significant Impacts to Sensitive Plants May Result from Project Construction

To enable an assessment of whether a project's environmental effects are likely to be significant, the environmental document must describe the "baseline" for environmental analysis. (*Communities for a Better Environment v. South Coast Air Quality Management Dist.* (2010) 48 Cal.4th 310, 315.) The baseline normally consists of "the physical environmental conditions in the vicinity of the project, as they exist at the time ... environmental analysis is commenced ... ." (*Id.*, CEQA Guidelines § 15125 (a).) If the description of the environmental setting of the project site and surrounding area is inaccurate, incomplete or misleading, an adequate analysis of environmental impacts of a project is not possible. (*Cadiz Land Co. v. County of San Bernardino* (2000), 83 Cal.App.4th 74, 87.)

Here, the MND does not include an accurate or complete description of the environmental setting with respect to biological resources including sensitive species. Dr. Gliessman, who is highly experienced and qualified in the area of botany and ecology, prepared a letter dated September 6, 2018 addressing the adequacy of the natural resource surveys provided by the Applicant. Dr. Gliessman concluded that because the biological surveys carried out by Kevin Merk Associates (KMA) were conducted during a period of extended drought, they are insufficient to identify several endangered and threatened species of plants that may be impacted by the Project. To support his conclusion Dr. Gliessman refers to a paper on the impact of drought in the Carrizo Plan and northern Cuyama Basin, in which a very dramatic reduction in observed populations of all plant and animal species three years into the drought. (Gliessman Letter, p. 1, fn. 1.)

The inadequate biological surveys result in an incomplete and inaccurate environmental baseline, which render the MND's impact assessment inadequate. (*See Cadiz,* 83 Cal.App.4th at 87.)

Moreover, while the absence of evidence in the record on a particular issue does not automatically give rise to a fair argument that a project may have a significant effect on the environment, an agency "should not be allowed to hide behind its own failure to gather relevant data" and "[d]eficiencies in the record may actually enlarge the scope of fair argument by lending a logical plausibility to a wider range of inferences." (*Sundstrom v. County of Mendocino* (1988) 202

Cal. App. 3d 296, 311.) Here, Dr. Gliessman also identifies a list of 25 threatened plant species, including four that have been collected in the past in the Project's immediate vicinity and another 13 that have been found in nearby Cuyama Valley areas (Id., p. 2, fn. 2.) Based on the likely presence of these sensitive plants, Dr. Gliessman concludes:

> in my opinion, and based on my review of the Project plans and MND, the potential presence of the above plants in and around the Project site creates a reasonable possibility that the Project may result in significant impacts according to the Count's thresholds for impacts to flora through loss or disturbance of unique, rare and threatened plant communities, and a reduction in the numbers of unique, rare or threatened species of plants (MND p. 11.)

Given the deficient biological resource surveys, the expert fact-based opinion of Mr. Gliessman clearly constitutes substantial evidence supporting a fair argument of a potentially significant impact to biological resources. (*See Sundstrom,* 202 Cal. App. 3d at 311; Pub. Res. Code, § 21082.2 (c); Guidelines, § 15384.))

vi. The MND's Analysis of Air Quality Impacts is Deficient, and the Conditions Fail to Identify What Mitigation Measures Are Required to Mitigate Impacts to Air Quality

The Project entails grading in excess of 250,000 cy of earth (cut+fill) over an approximate one year construction period. The grading will be performed with large "earthmoving equipment" that is not further defined or specified. APCD "recommended" mitigation measures suggest that the minimum size necessary equipment be used for projects to reduce emissions and that CARB Tier 3 diesel powered equipment be used "to the maximum extent feasible." The MND and Project Description do not specify what equipment will be used or for how long it will operate, and there is no calculation of the Project's total emissions of ozone precursors, toxic diesel $PM_{2.5}$ or larger PM_{10} particulate matter. The Project is upwind of the economically disadvantaged community of New Cuyama and air pollution will be generated in and transported between several counties, each of which exceeds state and/or federal health-based ambient air quality standards for pollutants or precursors the Project will generate.

The MND sweeps the issue of air pollution from construction period activities under the rug, noting that there is no established County CEQA threshold for short-term construction-related emissions. The County cannot simply ignore this impact, even if an adopted significance threshold is not triggered. (*See, supra, Mejia v. City of Los Angeles,* 130 Cal.App.4th at 342 (a public agency cannot apply a threshold of significance or regulatory standard in a way that forecloses the consideration of any other substantial evidence showing there may be a significant effect.)) The magnitude of the grading, and extended duration of this project extends beyond what may be considered short-term and involves emission that should be calculated and compared to the applicable thresholds and the applicable State Implementation Plan/State Clean Air Plan emissions

inventories. These plans define the size of emissions inventories modelled in regional air quality models for purposes of projecting whether the region in question can attain and maintain the health-based ambient air quality standards. Unless the emissions inventories and regional air models include these considerable emissions, they conflict with state and federal air quality attainment plans and implicate cumulative impacts. *See, generally, Kings County Farm Bureau v. Hanford* (1990) 221 Cal.App.3rd 692.

Typically MNDs will include a list of the equipment to be used and an estimate of the time such equipment will be running. This information is ordinarily included to establish whether the project will exceed the County's CEQA thresholds of 55 lbs of NOx or ROG, or 80 lbs of PM_{10} per day for total air pollution. Large construction projects are defined to cause a significant impact when annual emissions exceed 25 tons/year. (*See*, Initial Study/Mitigated Negative Declaration, Peabody Stadium Replacement, DUDEK, March 2015, page 31.) The MND's limited information concerning the Project's air pollution emissions, such as the equipment used and expected total hours of operation prevents any analysis of this impact.

While the MND states that the project will be required to implement standard APCD conditions, there is no condition of approval establishing this or specifying what is required. The APCD letter, attached to the conditions document, including both state-mandated emissions control measures and "recommended" measures. The Conditions fail to articulate which is required of the project, and the MND lacks information to determine whether whatever mitigation measures is imposed will be effective at avoiding significant impacts to air quality.

2. Substantial Evidence Does Not Support the Administrative Findings

    i. The Project Is Inconsistent with the Comprehensive Plan, State planning and zoning laws, and the LUDC

As mentioned in section 1.iii, above, the Project is inconsistent with a number of goals, policies, and actions contained in the County's Comprehensive Plan, Conservation Element, Groundwater Resources Section. The Staff Report did not include an analysis of the Project's consistency with these policies. The most relevant of these Groundwater Resources provisions, and the evidence supporting inconsistencies, are discussed below.

> **Action 3.3.2:** The County shall conserve waters to the extent feasible through exercise of the County's discretionary land use planning and permitting decisions, and shall promote such conservation through related public and private actions.

The use of spray irrigation for frost protection is contrary to the County's groundwater conservation goals and specifically Action 3.3.2. More efficient irrigation methods (finer spray), as well as other alternatives such as wind machines, late pruning (*see e.g. https://www.kj.com/blog/frost-protection-*

vineyards.) should be identified and evaluated as feasible alternatives to the Project through the EIR process.

> **POLICY 3.4:** The County's land use planning decisions shall be consistent with the ability of any affected water purveyor(s) to provide adequate services and resources to their existing customers, in coordination with any applicable groundwater management plan.

With the state of critical overdraft, and limited recharge, the ability of existing customers to obtain adequate groundwater is not assured as Policy 3.4 requires. The Gibbs' report explains that groundwater extracted from the Cuyama Groundwater Basin is tens of thousands of years old and that the "mining of groundwater" is occurring. "Given residential wells in the area are shallower than agricultural wells, this mining of groundwater could result in severe implications for residents and farmers using residential-scale wells like Condor's Hope Ranch." (Gibbs Report, p. 2.) Appellants' own well in the Cottonwood Canyon area has shown steady declines, explained in Appellants letter of September 10, 2018 and supported by well data. Specifically, the Appellants letter states:

> Santa Barbara County has been monitoring several wells in the Cottonwood Canyon area since September 2016. While data is too short-term to show permanent trends, our own well (data available from Santa Barbara County Water Agency) has shown a worrisome downward trend:
>
> (Numbers are depth to static groundwater level)
> October 2016: 119.4 feet (at end of 5 years of drought)
> September 2017: 120.5 feet (at the end of an above average wet year)
> September 2018: 123.3 feet (at the end of a drought year)
>
> While more study is needed to verify the cause of this downward trend, it correlates with the increased pumping by the North Fork Vineyards.

(Jaffe-Gliessman letter, September 10, 2018, p. 2.)

> **Action 3.4.3:** In areas without a groundwater management plan accepted by the County, County land use plans and decisions shall account for a prudent "margin of safety" against errors in supply/demand estimates, safe yield and available storage estimates, changes in any other relevant conditions in a basin, and other possible unforeseen circumstances. (emphasis added.)

The County has not taken a prudent approach to this Project. Even when only evaporation from the surface of the reservoirs is considered, 26 AFY is close to the 31 AFY threshold. As explained in the Gibbs' report, there are many uncertainties affecting the future availability of water in this area including the effect of increasing climatic uncertainty on groundwater recharge. (Gibbs Report, pp. 2-3.) In Mr. Gibbs' professional opinion based on his extensive knowledge regarding this particular groundwater basin, "[u]ntil water augmentation and recharge projects are planned, funded and

undertaken to increase percolation to 'offset further degradation' and examine 'sustainability' as contemplated by SGMA, ***no projects which increase extraction of groundwater should be approved.***" (Gibbs Report, p. 2 (emphasis added).)

> **POLICY 3.5:** In coordination with any applicable groundwater management plan(s), the County shall not allow, through its land use permitting decisions, any basin to become seriously overdrafted on a prolonged basis.
>
> **POLICY 3.6:** The County shall not make land use decisions which would lead to the substantial over commitment of any groundwater basin.
>
> **ACTION 3.5.1:** Based on input from the County Water Agency and P&D, the Board, in coordination with the responsible water purveyor(s), shall designate any basins within the county as "seriously overdrafted" if the following conditions are present: Prolonged overdraft which results or, in the reasonably foreseeable future (generally within ten years) would result, in measurable, unmitigated adverse environmental or economic impacts, either long-term or permanent. Such impacts include but are not limited to seawater intrusion, other substantial quality degradation, land surface subsidence, substantial effects on riparian or other environmentally sensitive habitats, or unreasonable interference with the beneficial use of a basin's resources. The County's fundamental policy shall be to prevent such overdraft conditions. (emphasis added)
>
> **ACTION 3.5.2: In seriously overdrafted basins, the County shall not approve discretionary development permits if such development requires new net extractions or increases in net extractions of groundwater**, pending development and County acceptance of a basin management plan, consistent with the Groundwater Management Act or other applicable law, which adequately addresses the serious overdraft. (emphasis added.)

The Project is a discretionary development permit that requires increases in net extractions of groundwater in a seriously overdrafted basins in violation of Policies 3.5 and 3.6. Pursuant to Action 3.5.2, the County is prohibited from approving such a discretionary permit.

> **ACTION 3.10.1:** The County shall continue to refine and update its "significance thresholds" as new data becomes available and as overdraft conditions persist, as specified in the County's CEQA Guidelines. The County's acceptance of duly prepared and adopted groundwater management plans also may necessitate the adjustment of appropriate groundwater thresholds.

With respect to Action 3.10.1, the County has failed to update its significance thresholds as new data has become available about the severity of the overdraft conditions in the Cuyama Groundwater Basin. Discussed in the Gibbs' report, the County's 31 AFY threshold was calculated based on a lesser level of overdraft based on 1992 data showing an overdraft of 28,525 AFY, whereas the MND identifies a current overdraft of at least 30,000 AFY. Mr. Gibbs concludes "[t]he 31 AFY Threshold should be recalculated to reflect more current data on the status of the Cuyama Groundwater Basin." (Gibbs Report, p. 3.)

The significant inconsistencies with these Comprehensive Plan goals, policies, and actions intended to protect groundwater resources precludes the Commission from finding that the Amendment is consistent with the Comprehensive Plan.

ii. There Are Not Adequate Water Resources to Serve the Project

Pursuant to CUP Finding 4, the Commission must find that there are adequate public services to serve the Project including an adequate water supply. The proposed Findings of Approval only identify the 26 AFY from evaporation from the reservoirs. Explained above and in our September 7, 2018 letter, it was error for the County to focus its impact analysis only on evaporation from the reservoirs. Likewise in the context of this finding, determining whether there is adequate water to serve a Project necessitates an evaluation of the actual water required to serve the Project. If the Applicant's wells are not able to produce the water needed to fill the reservoirs and achieve the Project's purpose of frost protection, the environmental damage and cost of reservoir construction will be for naught. Clearly the Commission must look to the Project's actual, total water demand in the context of the Cuyama Groundwater Basin's Safe Yield before this Finding can be substantiated.

3. Conclusion

For the foregoing reasons, we respectfully request that the Commission grant our appeal, and direct the preparation of an EIR.

Sincerely,

LAW OFFICE OF MARC CHYTILO

Marc Chytilo
Ana Citrin
For Appellants Jaffe and Gliessman

Attachment: Memo from Katherine Anderson on Evaporative Loss

MEMORANDUM

TO: Marc Chytilo

FROM: Katherine Anderson

SUBJECT: Evaporative Water Loss at the North Fork Ranch Vineyard, Cuyama, CA
North Fork Ranch Frost Ponds Appeal, Item # 3, 9/12/18

DATE: 9/10/18

The North Fork Ranch vineyard has proposed three reservoirs to be installed to impound ground water to be used as frost protection for 1,000 acres of vines. This vineyard is located on Assessor Parcel Number 147-020-045 off the 166 Highway bordering the Cuyama River in Cuyama, CA. The majority of the subject vineyard lies at an elevation between 1700' to 1850' above sea level. These reservoirs require a discretionary Minor Conditional Use permit, subject to the water use threshold of 31 acre feet in the Environmental Thresholds Manual. Although stated that groundwater used for agricultural irrigation does not count toward this threshold, water not directly or indirectly used in support of the existing vineyards, such as evaporative losses, must be included. If water lost through evaporation exceeds this 31 acre foot threshold, the impact is considered significant.

Even at low temperatures, when water is applied by overhead sprinklers, a percentage of the water will evaporate as it travels. This can be calculated when combined with meteorological data. The project claims no significant impact through water loss because the reservoir evaporative losses are calculated to total 26.28 acre feet. However, the project did not consider evaporative losses by the frost sprinklers themselves, pushing the total to 44.42 acre feet, well past the threshold of 31 acre feet of water losses.

Frost protection in grapes

Frost protection of agricultural crops relies on several different methods, one of which is the physics of freezing water when applied to plants. To put it simply, for water to freeze, it has to give off heat stored in its molecular bonds. That microburst of heat given off as water transforms from liquid to solid ice is enough to protect the surface of a plant from damage, if applied correctly. The usual method is to apply water with sprinklers emitting the correct volume of water so that a thin film coats the plants every 30 seconds when temperatures are low enough to cause damage.

For grapes, about .11 inch of water per hour per acre needs to be applied to provide adequate frost protection, which translates to approximately 50 gallons per minute per acre (McGourty, 2018).

Grapevine Frost Tolerance

The proposed North Fork vineyard frost ponds are supposed to be filled from January to May of each year for frost protection. After May, the remaining water will be used for irrigating the vineyard, leaving a three-foot depth in the ponds all year. Although viticultural experts opine that the vines currently would not need frost protection in January, the increasing number of warm winters may push bud break earlier and earlier. Early season bud break is subject to more frequent cold snaps. According to Glenn McGourty, Winegrowing and Plant Science Advisor, University of California Cooperative Extension (UCCE), these stages of growth can be different each year. The earliest he's seen bud break is Feb 24th (McGourty, personal communication 2018). Warm spells during the normal winter dormancy period can cause buds to break too early, when the risk of frost in early spring is high in the Cuyama area. Indeed, the Mitigated Negative Declaration for the project states that "the months of February, March and April…is the part of the year when frost would have the greatest potential to result in damage to the existing vineyards." (p 37).

Table 1. Temperature Sensitivity in Pinot Noir Grapevines

Stage of growth	Temperature at 50% destruction of tissue
Dormant Bud	20 degrees F or below
Dormant Swollen Bud	26 F
Bud Break	28F
One Leaf Unfolded	28-29 F
Two Leaves Unfolded	29-32 F

Frost tolerance of Pinot Noir grapevines, Nesbitt 2018. Virginia Tech University https://aggie-horticulture.tamu.edu/vitwine/files/2017/06/Frost-and-Freeze-Protection-Strategies.pdf

Grapevines break dormancy in stages; fully dormant stage, swollen bud stage, bud break, and leafing out. Each stage has a different critical temperature and can differ year to year. Grape variety plays a part as well - some grape varieties leaf out early, and some late. Pinot Noir grapes, such as planted at the North Fork vineyard, are known for early bud break (McGourty, personal communication, 2018).

These damaging temperatures are determined by both the dry bulb and the wet bulb temperatures. 'Dry bulb' refers to dry air temperature. 'Wet bulb' temperatures are measured by taking into account the relative humidity, and is a better measure of how cold it "feels." When the air (dry bulb) temperature is freezing at 32 degrees F and the wet bulb temperature is 27 degrees, the plants are experiencing 27 degrees (AWIS, 2018), and the crop could be lost. For meteorological data collection, wet bulb temperature is often described as the dew point (Battany, personal communication, 2018).

Estimating Sprinkler Use

In order to estimate the amount of water that would be used for frost protection and the amount of evaporation taking place, it is necessary to estimate the number and duration of frost events when grapevines would be vulnerable and require overhead sprinklers. Evaporative water loss is dependent on many different factors, such as air temperature, wet bulb temperature, wind speed, and relative humidity. Since predicting each of these factors in a future scenario is not possible, the precise number, duration, and evaporation rates of future hypothetical frost events would be difficult to forecast. Therefore, real-world weather data was obtained from a nearby agricultural recording station, and that data used to create a estimate of water use and evaporative losses during actual conditions.

The California Irrigation Management Information System (CIMIS) station in Cuyama is located 11.49 miles from the North Fork vineyard, near the Cuyama River at an elevation of 2190 ft above sea level. This monitoring station has the longest contiguous history of data recording of all of the CIMIS stations, and records weather data as well as pan evaporation data to aid agricultural operations, and is collected on an hourly basis. This hourly data was obtained for the last 10 years and examined for its potential impact on grape crops.

To use this data, we have to 'think like a farmer.' If the forecast is for damaging low temperatures, a farmer will turn on the sprinklers before these temperatures are reached. If sprinklers are to be used, they must be started prior to temps falling below 32 degrees F, or else the farmer runs the risk of applying slushy water or frozen pipes, which would not provide protection (Battany, personal communication, 2018).

This data has its limitations. Being that hindsight is 20/20, this data represents actual temperatures of past events, whereas predicting what the weather will do is far more difficult. In reality, a farmer facing falling temperatures may decide to turn on frost sprinklers far ahead of damaging temperatures. There may be events that merely flirt with damaging temperatures, causing a farmer to turn on the sprinklers 'just in case' rather than risk the crop. Since a vineyard inevitably has cold pockets, the sprinklers may stay on later to provide protection for those spots. Frost sprinklers are often turned on and off manually, meaning that sprinklers stay on in large vineyards until the workers can shut them off (Battany, personal communication, 2018). The coarseness of the data in that it is presented hourly prohibits a fine-tuning of the start and stop times. There may be times where the temperature is above freezing at the beginning of the hour, and dip below freezing before the end of the hour. A farmer would have turned the sprinklers on in the meantime, and that use is not captured by hourly data. Sprinklers are often left on well into the 40F range, to prevent a freezing jolt from ice when molecular heat stops forming (Battany, personal communication, 2018).

Sprinkler Run Times

Wet bulb temperature is the best indicator of when to start frost protection. Frost sprinklers should be turned on before wet bulb temperatures reach critical temperatures, if the dry bulb temperatures are predicted to dip into freezing. As noted above and in Figure 1 below, the sprinklers should be started well ahead of the air temperature reaches freezing.

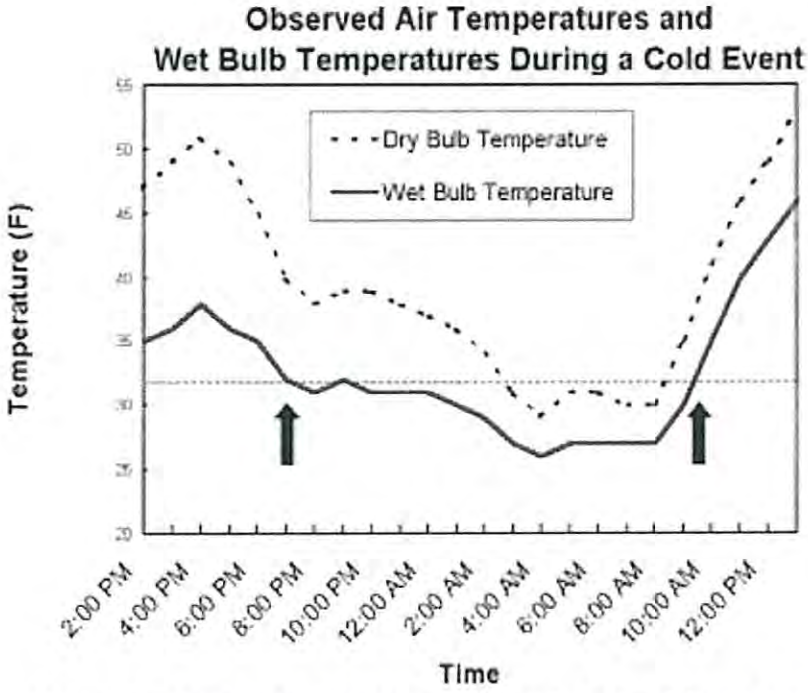


Figure 1. Arrows represent start and stop of frost sprinklers based on wet bulb temperatures. (AWIS, 2018)

California Irrigation Management Information System (CIMIS) data

The year 2013 was chosen to represent a "worst-case" scenario, as it was a reasonably cold spring with a low rainfall winter, which forced bud break relatively early (Jervis, 2015). This data is attached to this report as Appendix A. From this data, the number of damaging temperature events can be calculated to provide a projection of how much water would have been applied for a 1,000 acre vineyard. The percentage of water that would have been lost to evaporation can then be calculated based on real-world data.

2013 was a relatively dry winter, with some warm spells. Warming air and soil temperatures pushed bud break early in many areas. Though a definitive bud break date is not available for the North

Fork Ranch vineyard itself, it has been estimated at late March for that year based on local viticultural reports that discuss regional bud break (Jervis, 2015). Since grapevine buds are susceptible to damage prior to unfurling leaves, it is assumed that a grower would begin frost protection most conservatively at 10 to 14 days before bud break, when the bud tissues are beginning to emerge from dormancy and swell.

Given this estimated date of bud break, for a conservative estimate of when frost protection would have begun for the year 2013, this report includes damaging frost events from March 10 to May 31.

The 2013 frost events listed below represent a very conservative interpretation of the data and narrow window of sprinkler operation. The events most likely to cause a farmer to turn on the frost sprinklers, based on dry bulb and wet bulb temperatures, were identified and used. For the purpose of this investigation, it is assumed that all sprinklers are turned on and turned off at the same time, and that the sprinklers are not left on until temps are in the upper 40 F range, as sometimes is done. Under actual ground conditions, the frost sprinklers would likely be run for one to four hours more for each frost event.

From March, 2013, to May 2013 there were 9 frost events that would injure grapevines, totaling 45 hours (Table 2). Damaging temperatures do not rely solely on air temperature; relative humidity as measured by the dew point is a controlling factor. Therefore, the CIMIS temperature data has been adjusted for the dew point to pinpoint damaging temperatures to grapevines.

Table 2. Frost Events in the Cuyama Valley, Spring 2013

	Frost Event Start Date	Average Temp (F)	Average Dew Point/Wet Bulb (F)	Duration (hrs)
March 2013	3/10/13	33.3	30.6	8
	3/11/13	32.0	26.9	6
	3/23/13	34.2	21.0	6
	3/24/13	34.0	20.8	4
April 2013	4/9/13	32.8	26.6	5
	4/16/13	34.0	25.8	5
	4/17/13	35.9	23.0	4
	4/18/13	34.3	22.0	5
May 2013	5/23/13	37.7	22.7	2
Total Event Hours				**45**

For ease of calculation, dry bulb (air) temperatures, wet bulb (dew point) temperatures, and relative humidity were averaged during each event. Since critical temperatures, and the start and stop times of sprinklers are based on damaging wet bulb temperatures, dry bulb temperatures may average higher than 32 F.

These 9 dates represent the events and length of time that the frost sprinklers would be operating. It is to be noted that the May event did not read freezing air temperatures, but that the wet-bulb temperatures are so low that a grower would certainly start frost protection in case a dip occurred at that stage of vine growth.

Calculating Water Evaporation from Sprinklers

The nature of sprinkler irrigation ejects droplets of water under pressure to cover a large area. During this operation, water vaporizes from the droplets themselves as they travel, from the ground, and from the wet surfaces of the plants. Calculating evaporation from complex surfaces is beyond the scope of this report, but, evaporation rates from the sprayed droplets themselves can be done relatively easily.

The percentage of water evaporation is determined by the intersection of temperature, relative humidity, vapor pressure deficit, wind velocity, nozzle diameter, and water pressure. A nomograph for calculating sprinkler evaporation was developed by Frost and Schwalen in 1955 (Figure 2), and remains the standard to this day (Battany, personal communication, 2018; Zazueta, 2014).

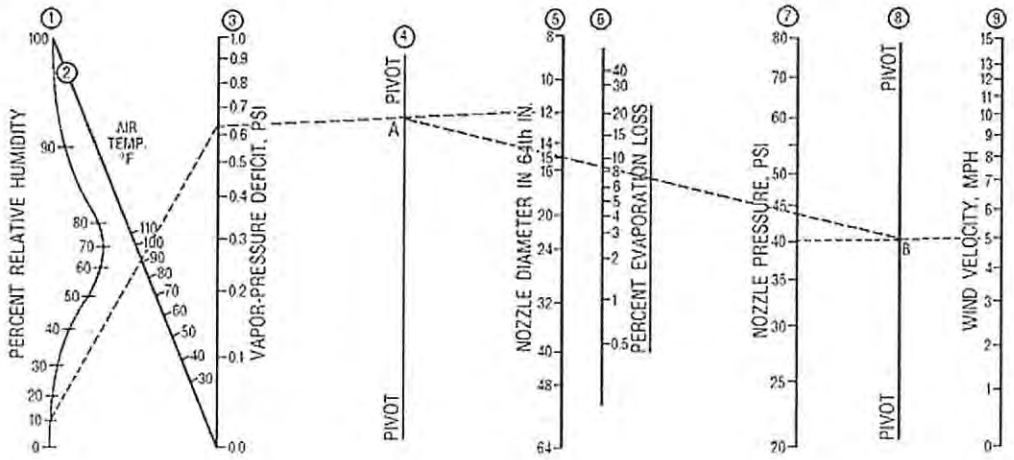


Figure 2. Sprinkler evaporation nomograph (from Frost and Schwalen, 1955).

Zazueta (2014) explains how to use the nomograph:

"*The calculations are done in the following steps:*

1. *Draw a straight line from the point representing percent relative humidity in column 1 through the mark for temperature in column 2. Extend this line to indicate a vapor-pressure deficit in column 3.*
2. *Draw a straight line from the point representing vapor-pressure deficit in column 3 to the mark that indicates nozzle diameter in column 5. Locate point A where this line intersects the pivot line in column 4. Point A will be used in step 4 below.*
3. *Draw a straight line from the mark for nozzle pressure in column 7 to the point representing wind speed in column 9. Locate point B where this line intersects the pivot line in column 8. Point B will be used in step 4 below.*
4. *Draw a straight line from point A on the pivot line in column 4 to point B on the pivot line in column 8. Read the percentage of evaporation loss where this line intersects column 6."*

To use the nomograph to calculate the evaporation rate of the water sprayed by the frost protection sprinklers at the North Fork Ranch vineyard, the following data must be obtained:

1. Relative Humidity
2. Air (Dry Bulb) Temperature
3. Wind Velocity

Table 3. Meteorological Data of 2013 Frost Events

	Frost Event Start Date	Average Temp (F)	Average Relative Humidity (%)	Duration (hrs)	Wind Velocity (mph)
March 2013	3/10/13	33.3	90	8	6.0
	3/11/13	32.0	81	6	5.0
	3/23/13	34.2	58	6	5.0
	3/24/13	34.0	58	4	5.0
April 2013	4/9/13	32.8	77	5	3.5
	4/16/13	34.0	72	5	3.0
	4/17/13	35.9	59	4	4.0
	4/18/13	34.3	60	5	5.8
May 2013	5/23/13	37.7	57	2	4.1

4. Nozzle Water Pressure
5. Nozzle Diameter

Table 3 summarizes meteorological data for frost events from March through May, 2013. These numbers represent the average of each data type during each frost event and are used to calculate the evaporation rate of these events.

Nozzle diameter can be inferred by standard practices in frost protection of grapes. In order to provide the necessary .109 (.11) inch of water per hour for adequate frost protection, a 2.3 gallon per minute (gpm), 7/64" nozzle diameter is needed (Rainbird Technical Information Sheet, 2018). Most vineyards, especially vineyards of the size and land slope of the North Fork Ranch, would require an operating pressure of 50 psi (McGourty, personal communication, 2013). The Mitigated Negative Declaration (p.1; 37) and the Staff Report of 2017 (p. 3) both state that frost protection will be provided by the vineyard's existing sprinkler irrigation system. The MND of 8/1/18 provided 45 psi as the operating pressure of the frost protection sprinkler system, however, this information was not provided until Thursday, September 6, after these time-consuming calculations were already done. The difference between the two would be negligible, and as such these results using 50 psi still stand.

A photograph of the North Fork vineyard (Figure 3) shows the conventional Rainbird-style impact sprinkler system described above.

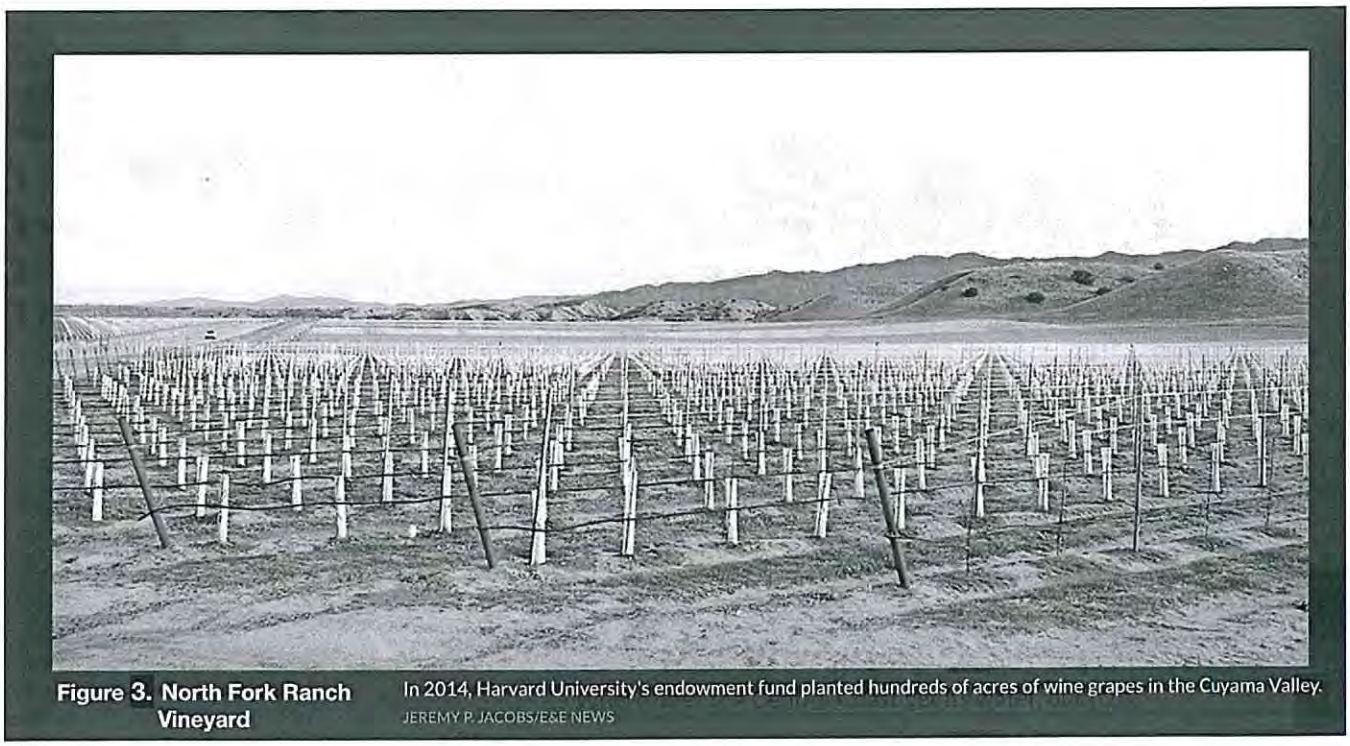


Figure 3. North Fork Ranch Vineyard In 2014, Harvard University's endowment fund planted hundreds of acres of wine grapes in the Cuyama Valley. JEREMY P. JACOBS/E&E NEWS

Frost and Schwalen's diagram does not calculate nozzle diameters smaller than 8/64". Today's standard nozzles used for frost protection in grapevines are 7/64". In consultation with Mark Battany,

Viticulture Farm Advisor for San Luis Obispo and Santa Barbara Counties, University of California Cooperative Extension (UCCE), frost protection and grape irrigation specialist, it was decided that a conservative approach would be to place a mark at an appropriate, conservative distance on the non-linear graph line to indicate 7/64", as seen in Figure 2. This distance would represent the best estimate for a nozzle diameter of 7/64".

By entering this data into the nomograph, evaporation percentages of applied water can be calculated for each event (Table 4). Figure 4 below shows an example of this calculation, using data from March 10, 2013.

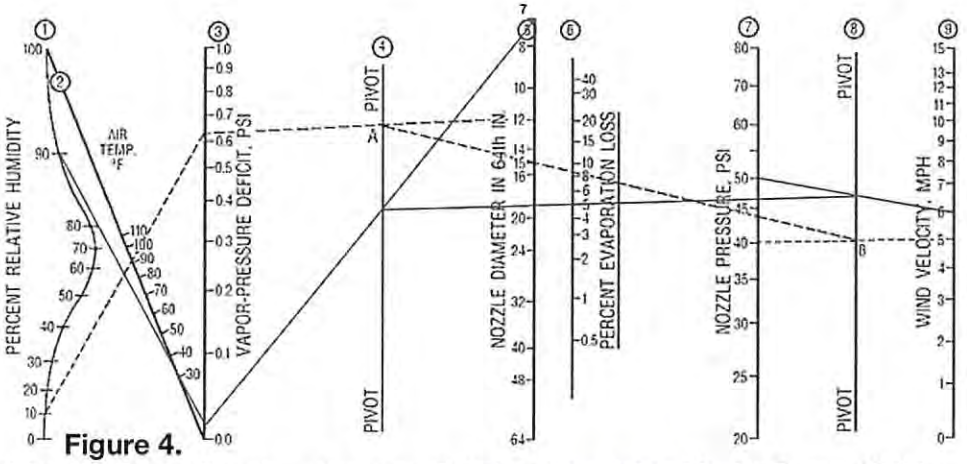


Figure 4.
3/10/13 Frost Event Average Relative Humidity 90, Air Temp 33.3 F, Nozzle Diameter 7/64", Nozzle Pressure 50 psi, Wind Speed 6.0; calculated 5% evaporation rate. (after Frost and Schwalen, 1955)

Table 4 below summarizes the calculations of this data for the year 2013, showing the evaporation rates expressed as a percentage of the water applied.

Table 4. Projected Evaporation Loss by Sprinklers

	Frost Event Start Date	Water Applied, in Acre Feet (45 GPM per acre)	Evaporation Rate (%)	Amount of Water Lost to Evaporation, in Acre Feet
March 2013	3/10/13	66.288	5.0	3.314
	3/11/13	49.716	4.9	2.436
	3/23/13	49.716	5.2	2.585
	3/24/13	33.144	5.0	1.657
March Subtotal				**9.992**
April 2013	4/9/13	41.430	4.3	1.781
	4/16/13	41.430	4.2	1.740
	4/17/13	33.144	4.8	1.591
	4/18/13	41.430	5.4	2.238
April Subtotal				**7.35**
May 2013	5/23/13	16.572	4.8	**0.795**
Total Projected Frost Sprinkler Evaporative Loss, Spring 2013		***372.87***		***18.137***

These evaporation rates, when applied to the total water used during each event, show an evaporative loss of 18.14 acre feet.

MND Inaccuracies

Using actual data to estimate water use allows a more accurate picture of water use. The MND dated 8-1-18 states that:

"the vines would be sprayed for a duration of two to three hours; and not all frost events require that the entire vineyard be sprayed (p. 37).

From the data presented above, it is clear that frost events in the Cuyama Valley can indeed be much longer than two to three hours. The average duration of a frost event (Table 2) as calculated by actual damaging temperatures is 5 hours. These estimates are very conservative, and it is very likely

that a grower facing these events would extend sprinkling one to two hours (Battany, personal communication, 2018).

The North Fork vineyard sits, on average, about 375 ft lower than the Cuyama CIMIS station, along the Cuyama River bottom. Since cold air drains to lower elevations by gravity, much the same as water (Evans 2000, McGourty, 2018; Nesbitt, 2018) the temperatures at the North Fork Vineyard will likely be colder than those recorded at CIMIS Cuyama and be subject to more frost events with longer durations. The projected calculations shown here would indeed represent the entire vineyard being sprayed for frost protection.

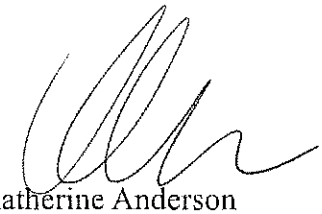
Conclusion

The Santa Barbara County Staff Report for the North Fork Ranch project dated 9/25/17 states:

"If the project- specific or cumulative evaporative losses exceed the groundwater use significance threshold of 31 acre feet per year, mitigation measures would be required to reduce losses to a level below the threshold (p.7)."

The proposed frost ponds would allow large-scale use of sprinkled groundwater, with cumulative evaporative losses from the frost reservoirs (26.28 AF) and the frost sprinklers (18.14 AF) totaling 44.42 AF. This is well above the County's 31 AF threshold and should certainly trigger environmental review. No methods of mitigating this loss is provided in the MND or the Staff Report, and a properly done EIR would identify tools and methods available to prevent this loss.

Respectfully submitted,



Katherine Anderson

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SUMMARY

Outside-the-box problem solver, logical, science and research oriented. Mindful that details are everything in solving complex puzzles, and each of those details must mesh perfectly to draw valid conclusions. Wide experience and life skills background. Excellent proofreading skills for content and structure.

EXPERIENCE

Law Office of Marc Chytilo, Environmental Law, Santa Barbara, CA **2017-current**
Science Research
- Perform research and analysis of various case issues involving environmental science

Livestock Consultant/Small Farmer/Island Seed and Feed, Goleta, CA **2003-current**
Consultant in Poultry and Small Livestock Management/Store Manager (part time)
- Specialize in the health and nutrition of small livestock species, to include proper care, health, housing, and emergency veterinary/medical advice. Own and operate a small organic farm and ranch.

University of Arizona Museum, Tucson, AZ **1998-2001**
Inventory Curator, Human Remains Collection
- Inventoried accessioned skeletonized human remains to assess age, sex, pathology, and number of individuals represented under each accession. Identified and developed research projects.
- Specialized in the identification of difficult–to-identify, highly fragmented, and/or cremated remains.
- Excavated skeletonized human remains at a number of prehistoric sites under the auspices of the University of Arizona
- Performed background research pertaining to the accession records of the collection

Federal Bureau of Investigation, Ventura and Santa Barbara Resident Agencies, CA **1995-1998**
Confidential Clerk
- Transcribed recorded audio tapes, specializing in difficult audio, foreign languages and complex cases.
- Aided in teaching a class in archaeological forensic excavation at the Los Angeles Field Office
- Held top secret security clearance

Federal Bureau of Investigation, Santa Ana Resident Agency, Santa Ana, CA **1988-1995**
Data Analyst
- Implemented, built and maintained computer programs for input, storage, organization, and retrieval of information
- Worked closely with assigned agents in analysis and synthesis of information pertinent to their cases
- Data management, reports and depositions
- Held top secret security clearance

EDUCATION

University of Arizona, Tucson, AZ **1999-2001**
Master's Program, Archaeology
- Presented original research in peer-reviewed scientific conferences
- Master's Thesis: Implemented original experimentally based research project

University of California at Santa Barbara, Santa Barbara, CA **1995-1998**
Bachelor of Science - Anthropology
- Valedictorian, College of Letters and Science
- California State Presidential Award for Research
- Managed various field excavations, self-directed research projects, and summer archaeological field schools on Santa Cruz Island as well as the mainland, to include excavation of human remains
- Specialized in lithic reduction and prehistoric quarries, human remains and paleopathology

Appendix A

California Irrigation Management Information System (CIMIS)
Station in #88, Cuyama, CA

March 2013 to May 2013
Raw Data

Evaporative Water Loss at the North Fork Ranch Vineyard, Cuyama, CA

North Fork Ranch Frost Ponds Appeal, Item # 3, 9/12/18
By
Katherine Anderson
9/10/18

hourly-2

Stn Id	Stn Name	CIMIS Region	Date	Hour (PST)	Jul	ETo (in)	qc	Precip (in)	qc	Sol Rad (Ly/day)	qc	Vap Pres (mBars)	qc	Air Temp (F)	qc	Rel Hum (%)	qc	Dew Point (F)	qc	Wind Speed (mph)	qc	Wind Dir (0-360)	qc	Soil Temp (F)	qc
88	Cuyama	Central Coast Valleys	3/1/2013	100	60	0		0		0		5.4		38.5		68		29		5.3		113		54.3	
88	Cuyama	Central Coast Valleys	3/1/2013	200	60	0		0		0		5.3		36.7		72		28.4		4.4		125		53.7	
88	Cuyama	Central Coast Valleys	3/1/2013	300	60	0		0		0		5.2		35.5		73		27.8		4.9		113		53	
88	Cuyama	Central Coast Valleys	3/1/2013	400	60	0		0		0		5		34.7		74		27.2		4.7		109		52.3	
88	Cuyama	Central Coast Valleys	3/1/2013	500	60	0		0		0		5		34.6		73		26.9		5.9		114		51.7	
88	Cuyama	Central Coast Valleys	3/1/2013	600	60	0		0		0		4.8		33.6		74		26.1		4.7		104		51	
88	Cuyama	Central Coast Valleys	3/1/2013	700	60	0		0		20		4.9		33.5		75		26.5		5.4		102		50.4	
88	Cuyama	Central Coast Valleys	3/1/2013	800	60	0		0		299		5.2		37.5		68		28.1		6.2		99		49.8	
88	Cuyama	Central Coast Valleys	3/1/2013	900	60	0.01		0		710		6.2		47.1		56		32.2		6.1		71		49.3	
88	Cuyama	Central Coast Valleys	3/1/2013	1000	60	0.01		0		1091		6.5		55.8		43		33.4		4.7		85		49.1	
88	Cuyama	Central Coast Valleys	3/1/2013	1100	60	0.02		0		1391		6.6		61.6		35		34		3.4		141		49.4	
88	Cuyama	Central Coast Valleys	3/1/2013	1200	60	0.02		0		1565		6.5		65.4		30		33.6		3.6		134		50.3	
88	Cuyama	Central Coast Valleys	3/1/2013	1300	60	0.02		0		1621		6.4		68.5		27		33		4		166		51.6	
88	Cuyama	Central Coast Valleys	3/1/2013	1400	60	0.02		0		1526		6.8		70.8		26		34.5		5.4		339		53.3	
88	Cuyama	Central Coast Valleys	3/1/2013	1500	60	0.02		0		1291		7.2		71.2		28		36.2		6.6		75		55	
88	Cuyama	Central Coast Valleys	3/1/2013	1600	60	0.01		0		949		7.3		69.8		29		36.3		6.9		87		56.6	
88	Cuyama	Central Coast Valleys	3/1/2013	1700	60	0.01		0		544		7.5		67.5		33		37.1		6.8		97		57.9	
88	Cuyama	Central Coast Valleys	3/1/2013	1800	60	0		0		137		7.4		62.6		38		36.8		6.7		129		58.8	
88	Cuyama	Central Coast Valleys	3/1/2013	1900	60	0		0		1		7.4		57		48		36.8		5.4		130		59.2	
88	Cuyama	Central Coast Valleys	3/1/2013	2000	60	0		0		0		7.4		53.5		53		36.7		5.5		163		59.3	
88	Cuyama	Central Coast Valleys	3/1/2013	2100	60	0		0		0		6.9		48.8		59		35		5		192		59	
88	Cuyama	Central Coast Valleys	3/1/2013	2200	60	0		0		0		6.6		44.4		67		34		3.4		118		58.6	
88	Cuyama	Central Coast Valleys	3/1/2013	2300	60	0		0		0		6.5		42.1		71		33.5		4.1		120		58	
88	Cuyama	Central Coast Valleys	3/1/2013	2400	60	0		0		0		6.3		40.1		75		32.7		4.4		99		57.4	
88	Cuyama	Central Coast Valleys	3/2/2013	100	61	0		0		0		6		38.6		76		31.5		4.9		108		56.7	
88	Cuyama	Central Coast Valleys	3/2/2013	200	61	0		0		0		5.9		37.8		77		31.1		4.8		110		56	
88	Cuyama	Central Coast Valleys	3/2/2013	300	61	0		0		0		5.7		37.3		76		30.4		5		118		55.3	
88	Cuyama	Central Coast Valleys	3/2/2013	400	61	0		0		0		5.5		35.7		77		29.3		3		126		54.5	
88	Cuyama	Central Coast Valleys	3/2/2013	500	61	0		0		0		5.4		35.9		76		29.1		4.7		123		53.8	
88	Cuyama	Central Coast Valleys	3/2/2013	600	61	0		0		0		5.2		35.1		75		27.9		2.6		172		53.2	
88	Cuyama	Central Coast Valleys	3/2/2013	700	61	0		0		35		5		35.1		72		27		2.6		130		52.5	
88	Cuyama	Central Coast Valleys	3/2/2013	800	61	0		0		310		5.9		42		65		31.1		3.1		103		51.9	
88	Cuyama	Central Coast Valleys	3/2/2013	900	61	0.01		0		695		5.6		54.6		38		29.8		2.7		104		51.3	
88	Cuyama	Central Coast Valleys	3/2/2013	1000	61	0.01		0		1142		5.7		63.2		29		30.1		2.2		302		51.1	
88	Cuyama	Central Coast Valleys	3/2/2013	1100	61	0.02		0		1289		5.6		69.5		23		29.7		3.6		314		51.5	
88	Cuyama	Central Coast Valleys	3/2/2013	1200	61	0.02		0		1173		4.8		74.6		16		26		3		309		52.5	
88	Cuyama	Central Coast Valleys	3/2/2013	1300	61	0.02		0		963		4		78.1		13		21.6		9.4		226		53.9	
88	Cuyama	Central Coast Valleys	3/2/2013	1400	61	0.02		0		766		3.8		75.8		12		20.5		10.2		217		55.2	
88	Cuyama	Central Coast Valleys	3/2/2013	1500	61	0.02		0		666		3.7		75		13		20.1		11.4		213		56.3	
88	Cuyama	Central Coast Valleys	3/2/2013	1600	61	0.01		0		648		3.9		74.6		13		21.1		7.8		219		57.2	
88	Cuyama	Central Coast Valleys	3/2/2013	1700	61	0.01		0		586		3.8		74.5		13		20.5		8.5		236		57.8	
88	Cuyama	Central Coast Valleys	3/2/2013	1800	61	0		0		79		3.4		68.9		14		17.7		7.9		230		58.4	
88	Cuyama	Central Coast Valleys	3/2/2013	1900	61	0		0		0		3.9		64.1		19		20.9		7.7		222		58.7	
88	Cuyama	Central Coast Valleys	3/2/2013	2000	61	0	Y	0		0		4.3		62.9	Y	22	Y	23.2	Y	5.8		226		58.8	
88	Cuyama	Central Coast Valleys	3/2/2013	2100	61	0	Y	0		0		5.2		62	Y	27	Y	28.1	Y	4.9		250		58.7	
88	Cuyama	Central Coast Valleys	3/2/2013	2200	61	0	Y	0		0		5.4		61.3	Y	29	Y	28.7	Y	6.3		254		58.5	
88	Cuyama	Central Coast Valleys	3/2/2013	2300	61	0	Y	0		0		5.1		59.3	Y	30	Y	27.8	Y	3.7		255		58.3	
88	Cuyama	Central Coast Valleys	3/2/2013	2400	61	0	Y	0		0		4.8		57.3	Y	30	Y	26	Y	3.2		280		58	
88	Cuyama	Central Coast Valleys	3/3/2013	100	62	0		0		0		5.4		54.9		37		29		3.8		127		57.8	
88	Cuyama	Central Coast Valleys	3/3/2013	200	62	0		0		0		4.7		54.1		33		25.7		4		245		57.5	
88	Cuyama	Central Coast Valleys	3/3/2013	300	62	0		0		0		4.9		52.9		36		26.5		2		271		57.1	
88	Cuyama	Central Coast Valleys	3/3/2013	400	62	0		0		0		6		50.2		49		31.6		3.8		162		56.8	
88	Cuyama	Central Coast Valleys	3/3/2013	500	62	0		0		0		6		49.9		49		31.7		3.9		135		56.5	
88	Cuyama	Central Coast Valleys	3/3/2013	600	62	0		0		0		6.1		48.4		53		32		3.3		138		56.2	
88	Cuyama	Central Coast Valleys	3/3/2013	700	62	0		0		5		5.9		49.5		49		31.1		3.4		140		55.8	
88	Cuyama	Central Coast Valleys	3/3/2013	800	62	0		0		148		6.5		51.1		51		33.4		2.9		98		55.5	
88	Cuyama	Central Coast Valleys	3/3/2013	900	62	0		0		290		6.3		56		41		32.9		3.5		85		55.2	
88	Cuyama	Central Coast Valleys	3/3/2013	1000	62	0.01		0		450		5.5		59.2		32		29.6		3.6		286		55	
88	Cuyama	Central Coast Valleys	3/3/2013	1100	62	0.01		0		971		5.8		60.7		32		30.9		5.2		289		55	
88	Cuyama	Central Coast Valleys	3/3/2013	1200	62	0.01		0		983		6.2		63		31		32.2		4		314		55.3	
88	Cuyama	Central Coast Valleys	3/3/2013	1300	62	0.02		0		1212		6.7		65.3		32		34.3		3.6		307		56	
88	Cuyama	Central Coast Valleys	3/3/2013	1400	62	0.01		0		851		7.6		64.9		36		37.5		6.3		317		57	
88	Cuyama	Central Coast Valleys	3/3/2013	1500	62	0.01		0		541		7.7		63.8		38		37.9		6.5		291		58	
88	Cuyama	Central Coast Valleys	3/3/2013	1600	62	0.01		0		819		8.2		64.3		40		39.5		8.1		292		59	
88	Cuyama	Central Coast Valleys	3/3/2013	1700	62	0.01		0		401		8.4		62.1		44		39.9		9.1		287		59.7	
88	Cuyama	Central Coast Valleys	3/3/2013	1800	62	0		0		118		8.4		60.3		47		40.1		8.4		316		60.2	
88	Cuyama	Central Coast Valleys	3/3/2013	1900	62	0		0		0		8.9		57.5		55		41.5		5.2		340		60.5	
88	Cuyama	Central Coast Valleys	3/3/2013	2000	62	0		0		0		8.4		55.1		57		40.1		4.1		281		60.5	
88	Cuyama	Central Coast Valleys	3/3/2013	2100	62	0		0		0		8.2		54.1		57		39.3		4.6		282		60.3	
88	Cuyama	Central Coast Valleys	3/3/2013	2200	62	0		0		0		8.2		52.8		60		39.3		4.1		280		60	
88	Cuyama	Central Coast Valleys	3/3/2013	2300	62	0		0		0		8.2		50.8		64		39.3		3.2		281		59.6	
88	Cuyama	Central Coast Valleys	3/3/2013	2400	62	0		0		0		8.1		50.4		65		39.1		2.7		285		59.2	
88	Cuyama	Central Coast Valleys	3/4/2013	100	63	0		0		0		8.1		49.4		67		39		2.7		280		58.8	
88	Cuyama	Central Coast Valleys	3/4/2013	200	63	0		0		0		7.3		45.4		71		36.6		2.3		229		58.4	
88	Cuyama	Central Coast Valleys	3/4/2013	300	63	0		0		0		6.9		41.1		78		34.9		4		167		57.9	
88	Cuyama	Central Coast Valleys	3/4/2013	400	63	0		0		0		6.5		39.5		80		33.7		2.7		194		57.3	
88	Cuyama	Central Coast Valleys	3/4/2013	500	63	0		0		0		6.4		38.3		82		33.3		3		133		56.8	
88	Cuyama	Central Coast Valleys	3/4/2013	600	63	0		0		0		6.4		37.4		84		33.1		2.1		129		56.1	
88	Cuyama	Central Coast Valleys	3/4/2013	700	63	0		0		28		6.1		35.5		87		32		2.6		163		55.5	
88	Cuyama	Central Coast Valleys	3/4/2013	800	63	0		0		316		8.1		43.9		83		39.1		3		118		54.8	
88	Cuyama	Central Coast Valleys	3/4/2013	900	63	0.01		0		726		8.8		50.6		70		41.1		5.2		116		54.3	
88	Cuyama	Central Coast Valleys	3/4/2013	1000	63	0.01		0		1112		9.1		55.1		62		42.2		6		78		54	
88	Cuyama	Central Coast Valleys	3/4/2013	1100	63	0.02		0		1404		9.3		58.6		55		42.7		3.5		312		54.2	

88	Cuyama	Central Coast Valleys	3/4/2013	1200	63	0.02	0	1569	8.7	61.7	46	40.8	4.3	110	55	
88	Cuyama	Central Coast Valleys	3/4/2013	1300	63	0.02	0	1627	8.6	62.7	44	40.7	5.6	333	56.2	
88	Cuyama	Central Coast Valleys	3/4/2013	1400	63	0.02	0	1507	8.5	63.6	42	40.2	5.8	335	57.7	
88	Cuyama	Central Coast Valleys	3/4/2013	1500	63	0.02	0	1311	8.6	64.1	42	40.5	6.6	37	59.2	
88	Cuyama	Central Coast Valleys	3/4/2013	1600	63	0.01	0	980	8.6	63.4	43	40.7	7.6	62	60.6	
88	Cuyama	Central Coast Valleys	3/4/2013	1700	63	0.01	0	586	8.7	62.1	46	40.8	7.8	84	61.7	
88	Cuyama	Central Coast Valleys	3/4/2013	1800	63	0	0	162	9	58.6	54	41.8	7.5	89	62.3	
88	Cuyama	Central Coast Valleys	3/4/2013	1900	63	0	0	1	8.6	53.8	61	40.6	5.1	123	62.5	
88	Cuyama	Central Coast Valleys	3/4/2013	2000	63	0	0	0	8	50.1	64	38.6	4.9	187	62.3	
88	Cuyama	Central Coast Valleys	3/4/2013	2100	63	0	0	0	7.6	47.5	68	37.5	3.7	169	61.9	
88	Cuyama	Central Coast Valleys	3/4/2013	2200	63	0	0	0	7.2	44.2	73	36.2	2.7	124	61.4	
88	Cuyama	Central Coast Valleys	3/4/2013	2300	63	0	0	0	7	41.7	78	35.4	2.7	233	60.7	
88	Cuyama	Central Coast Valleys	3/4/2013	2400	63	0	0	0	6.8	39.7	82	34.8	2.2	181	60	
88	Cuyama	Central Coast Valleys	3/5/2013	100	64	0	0	0	6.6	38.1	85	33.9	2.6	137	59.2	
88	Cuyama	Central Coast Valleys	3/5/2013	200	64	0	0	0	6.5	37.6	85	33.6	2.7	179	58.5	
88	Cuyama	Central Coast Valleys	3/5/2013	300	64	0	0	0	6.2	35.8	87	32.2	2.6	140	57.7	
88	Cuyama	Central Coast Valleys	3/5/2013	400	64	0	0	0	6.1	35.1	88	31.9	2.4	180	56.9	
88	Cuyama	Central Coast Valleys	3/5/2013	500	64	0	0	0	6	34.2	89	31.4	2.4	171	56.2	
88	Cuyama	Central Coast Valleys	3/5/2013	600	64	0	0	0	5.8	33.3	90	30.9	2	151	55.5	
88	Cuyama	Central Coast Valleys	3/5/2013	700	64	0	0	33	5.8	33	91	30.7	1.9	224	54.8	
88	Cuyama	Central Coast Valleys	3/5/2013	800	64	0	0	293	7	37.7	91	35.4	3.3	270	54	
88	Cuyama	Central Coast Valleys	3/5/2013	900	64	0	0	387	8.2	41.6	92	39.3	2.7	314	53.4	
88	Cuyama	Central Coast Valleys	3/5/2013	1000	64	0.01	0	1069	9.8	46.5	91	44	2.9	47	53.1	
88	Cuyama	Central Coast Valleys	3/5/2013	1100	64	0.01	0.03 Y	1441	10	55.4	66	44.4	3	42	55.9	
88	Cuyama	Central Coast Valleys	3/5/2013	1200	64	0.02	0	1619	9.3	60.4	52	42.7	7.6	291	63 Y	
88	Cuyama	Central Coast Valleys	3/5/2013	1300	64	0.02	0	1664	9.3	60.4	52	42.6	10.2	285	54.9	
88	Cuyama	Central Coast Valleys	3/5/2013	1400	64	0.02	0	1567	8.6	63.3	44	40.8	10.2	290	56.1	
88	Cuyama	Central Coast Valleys	3/5/2013	1500	64	0.02	0	1347	8.7	63.5	43	40.8	8.7	289	57.3	
88	Cuyama	Central Coast Valleys	3/5/2013	1600	64	0.01	0	1014	8.5	62.8	44	40.5	8.1	294	58.5	
88	Cuyama	Central Coast Valleys	3/5/2013	1700	64	0.01	0	611	8.5	61.4	45	40.2	7.1	288	59.6	
88	Cuyama	Central Coast Valleys	3/5/2013	1800	64	0	0	170	9.1	54.5	63	42	8.1	277	60.3	
88	Cuyama	Central Coast Valleys	3/5/2013	1900	64	0	0	1	8.7	49.2	72	40.8	6.9	267	60.6	
88	Cuyama	Central Coast Valleys	3/5/2013	2000	64	0	0	0	8.4	47	77	40.1	6.8	275	60.5	
88	Cuyama	Central Coast Valleys	3/5/2013	2100	64	0	0	0	8.2	43.8	84	39.3	8.5	274	60.1	
88	Cuyama	Central Coast Valleys	3/5/2013	2200	64	0	0	0	8	41.9	89	38.7	7.6	278	59.6	
88	Cuyama	Central Coast Valleys	3/5/2013	2300	64	0	0	0	7.9	41.2	90	38.3	5.6	261	58.9	
88	Cuyama	Central Coast Valleys	3/5/2013	2400	64	0	0	0	7.3	39.5	88	38.3	3.4	274	58.2	
88	Cuyama	Central Coast Valleys	3/6/2013	100	65	0	0	0	6.4	35.9	90	33.3	2.5	111	57.5	
88	Cuyama	Central Coast Valleys	3/6/2013	200	65	0	0	0	6.3	35	92	32.8	3	240	57.1	
88	Cuyama	Central Coast Valleys	3/6/2013	300	65	0	0	0	6.6	36.2	92	34	3.3	102	56.5	
88	Cuyama	Central Coast Valleys	3/6/2013	400	65	0	0	0	7.3	39.3	90	36.6	5.3	140	55.2	
88	Cuyama	Central Coast Valleys	3/6/2013	500	65	0	0	0	7.3	40.1	86	36.3	2.9	297	54.4	
88	Cuyama	Central Coast Valleys	3/6/2013	600	65	0	0	0	7.5	40.6	88	37.3	2.5	208	53.9	
88	Cuyama	Central Coast Valleys	3/6/2013	700	65	0	0.01	27	7.6	40.8	87	37.4	3	92	53.4	
88	Cuyama	Central Coast Valleys	3/6/2013	800	65	0	0	178	8.2	43.4	86	39.5	3.7	91	53.1	
88	Cuyama	Central Coast Valleys	3/6/2013	900	65	0	0	528	9	47.9	80	41.9	3.8	61	52.7	
88	Cuyama	Central Coast Valleys	3/6/2013	1000	65	0.01	0.01 Y	1122	9.7	52.1	73	43.8	6.1	236	52.6	
88	Cuyama	Central Coast Valleys	3/6/2013	1100	65	0.01	0	1004	10	52.5	74	44.5	5.2	299	53.8	
88	Cuyama	Central Coast Valleys	3/6/2013	1200	65	0.01	0	964	10.3	52.3	77	45.2	4.3	297	54.4	
88	Cuyama	Central Coast Valleys	3/6/2013	1300	65	0.01	0	883	10	52	75	44.5	6.2	299	54.3	
88	Cuyama	Central Coast Valleys	3/6/2013	1400	65	0.01	0	1040	9.7	52.8	71	43.8	5.9	298	55.3	
88	Cuyama	Central Coast Valleys	3/6/2013	1500	65	0.01	0	971	9.5	53.3	68	43.1	6.8	291	55.7	
88	Cuyama	Central Coast Valleys	3/6/2013	1600	65	0.01	0	647	9.4	52.8	69	43	6.8	286	56.4	
88	Cuyama	Central Coast Valleys	3/6/2013	1700	65	0	0	284	9.2	51.8	70	42.4	7.1	268	57.1	
88	Cuyama	Central Coast Valleys	3/6/2013	1800	65	0	0	126	9.2	49.1	77	42.3	6.7	278	57.5	
88	Cuyama	Central Coast Valleys	3/6/2013	1900	65	0	0	1	8.8	46.1	83	41.1	6.8	278	57.6	
88	Cuyama	Central Coast Valleys	3/6/2013	2000	65	0	0	0	8.6	45.5	83	40.6	5.9	259	57.5	
88	Cuyama	Central Coast Valleys	3/6/2013	2100	65	0	0	0	8.9	45.8	85	41.4	7	265	57.1	
88	Cuyama	Central Coast Valleys	3/6/2013	2200	65	0	0	0	8.8	45.5	85	41.1	5.2	274	56.8	
88	Cuyama	Central Coast Valleys	3/6/2013	2300	65	0	0	0	8.7	44.7	86	40.8	4.3	270	56.3	
88	Cuyama	Central Coast Valleys	3/6/2013	2400	65	0	0	0	8.5	43.8	88	40.4	3.9	273	56	
88	Cuyama	Central Coast Valleys	3/7/2013	100	66	0	0	0	8.6	43.5	90	40.7	4.6	264	55.6	
88	Cuyama	Central Coast Valleys	3/7/2013	200	66	0	0	0	8.5	43	90	40.4	3.6	273	55.2	
88	Cuyama	Central Coast Valleys	3/7/2013	300	66	0	0	0	8.4	42.6	90	40	1.7	268	54.8	
88	Cuyama	Central Coast Valleys	3/7/2013	400	66	0	0	0	8.5	42.9	90	40.3	2.7	251	54.5	
88	Cuyama	Central Coast Valleys	3/7/2013	500	66	0	0	0	8.5	42.6	91	40.3	2.1	274	56.8	
88	Cuyama	Central Coast Valleys	3/7/2013	600	66	0	0	0	8.5	42.5	92	40.4	1.8	310	57.5	
88	Cuyama	Central Coast Valleys	3/7/2013	700	66	0	0	20	8.5	42.2	93	40.2	2.3	22	57.9	
88	Cuyama	Central Coast Valleys	3/7/2013	800	66	0	0	171	8.7	43	92	40.9	1.6	234	55.3	
88	Cuyama	Central Coast Valleys	3/7/2013	900	66	0	0	508	8.9	44.7	89	41.6	3.2	49	53	
88	Cuyama	Central Coast Valleys	3/7/2013	1000	66	0	0	584	8.3	46.9	76	39.7	3.1	64	52.9	
88	Cuyama	Central Coast Valleys	3/7/2013	1100	66	0.01	0	642	7.8	49	66	38.1	3.1	327	53	
88	Cuyama	Central Coast Valleys	3/7/2013	1200	66	0.01	0	1275	8	51.8	61	38.9	4.4	306	53.3	
88	Cuyama	Central Coast Valleys	3/7/2013	1300	66	0.01	0	869	8	52.8	58	38.7	4.4	308	53.8	
88	Cuyama	Central Coast Valleys	3/7/2013	1400	66	0.02	0	1505	6.3	56	41	32.6	8.8	191	54.6	
88	Cuyama	Central Coast Valleys	3/7/2013	1500	66	0.01	0	989	5.5	55.4	36	29.2	11.1	217	55.5	
88	Cuyama	Central Coast Valleys	3/7/2013	1600	66	0.01	0	370	5.3	53.6	38	28.5	11.5	211	56.4	
88	Cuyama	Central Coast Valleys	3/7/2013	1700	66	0	0	143	5	51.5	38	26.9	10.4	217	57	
88	Cuyama	Central Coast Valleys	3/7/2013	1800	66	0	0	45	5.3	50.2	43	28.3	7.6	213	57.3	
88	Cuyama	Central Coast Valleys	3/7/2013	1900	66	0	0	1	5.9	47.5	53	31.3	7.7	197	57.3	
88	Cuyama	Central Coast Valleys	3/7/2013	2000	66	0	0	0	5.9	46	56	31.3	6	164	57.1	
88	Cuyama	Central Coast Valleys	3/7/2013	2100	66	0	0	0	6	45.1	59	31.6	8.2	162	56.8	
88	Cuyama	Central Coast Valleys	3/7/2013	2200	66	0	0	0	6.5	44.5	65	33.5	7	144	56.4	
88	Cuyama	Central Coast Valleys	3/7/2013	2300	66	0	0	0	6.7	45	66	34.4	9.2	129	56	
88	Cuyama	Central Coast Valleys	3/7/2013	2400	66	0	0	0	7	43.1	74	35.4	6.4	230	55.6	

88	Cuyama	Central Coast Valleys	3/8/2013	100	67	0	0.05	0	7	38.2	89	35.4	8.2	283	57.5
88	Cuyama	Central Coast Valleys	3/8/2013	200	67	0	0.03	0	6.8	36.6	92	34.6	5.4	284	56.3
88	Cuyama	Central Coast Valleys	3/8/2013	300	67	0	0.01	0	6.9	37	93	35.1	2.6	237	56.1
88	Cuyama	Central Coast Valleys	3/8/2013	400	67	0	0	0	7	37.3	93	35.5	3.6	204	55.7
88	Cuyama	Central Coast Valleys	3/8/2013	500	67	0	0	0	7.1	37.6	93	35.7	3.2	197	55.7
88	Cuyama	Central Coast Valleys	3/8/2013	600	67	0	0.01	0	7.1	37.8	93	35.9	4.1	354	55.1
88	Cuyama	Central Coast Valleys	3/8/2013	700	67	0	0.02	8	7.1	37.9	92	35.9	2	291	54.3
88	Cuyama	Central Coast Valleys	3/8/2013	800	67	0	0.01	59	7.1	37.8	92	35.8	3.3	314	53.4
88	Cuyama	Central Coast Valleys	3/8/2013	900	67	0	0.01	291	7.1	37.8	92	35.8	4.2	221	53
88	Cuyama	Central Coast Valleys	3/8/2013	1000	67	0	0	602	7.4	39.3	91	36.8	3.5	177	52.4
88	Cuyama	Central Coast Valleys	3/8/2013	1100	67	0	0	594	7.6	41	87	37.5	2.2	7	52.5
88	Cuyama	Central Coast Valleys	3/8/2013	1200	67	0.01	0	771	7.6	43.1	80	37.4	2.4	325	53.7
88	Cuyama	Central Coast Valleys	3/8/2013	1300	67	0.01	0	1238	7.9	45.9	74	38.3	4	333	52.6
88	Cuyama	Central Coast Valleys	3/8/2013	1400	67	0.01	0.01	781	8.2	46.2	77	39.4	4.6	316	52.8
88	Cuyama	Central Coast Valleys	3/8/2013	1500	67	0	0.01	522	8.4	46	80	40.1	6.2	294	53.4
88	Cuyama	Central Coast Valleys	3/8/2013	1600	67	0	0	347	8.5	46.9	77	40.2	5.7	298	54.1
88	Cuyama	Central Coast Valleys	3/8/2013	1700	67	0	0	86	8.3	46.3	78	39.7	6.7	295	54.4
88	Cuyama	Central Coast Valleys	3/8/2013	1800	67	0	0	19	8.1	45.2	79	39.2	6.9	293	54.6
88	Cuyama	Central Coast Valleys	3/8/2013	1900	67	0	0	1	7.8	44.5	79	38.2	7	290	54.7
88	Cuyama	Central Coast Valleys	3/8/2013	2000	67	0	0	0	7.8	44	80	38.3	5.3	298	54.5
88	Cuyama	Central Coast Valleys	3/8/2013	2100	67	0	0	0	7.9	43.3	83	38.5	5.4	299	54.1
88	Cuyama	Central Coast Valleys	3/8/2013	2200	67	0	0	0	7.8	42.4	84	38	5.7	287	53.8
88	Cuyama	Central Coast Valleys	3/8/2013	2300	67	0	0	0	7.7	41.4	87	37.8	5.5	267	53.4
88	Cuyama	Central Coast Valleys	3/8/2013	2400	67	0	0	0	7.4	39.6	90	36.9	5.2	263	53
88	Cuyama	Central Coast Valleys	3/9/2013	100	68	0	0	0	7.3	38.7	91	36.5	4.1	264	52.7
88	Cuyama	Central Coast Valleys	3/9/2013	200	68	0	0	0	7.3	38.5	92	36.4	1.2	325	52.3
88	Cuyama	Central Coast Valleys	3/9/2013	300	68	0	0	0	7	37.4	92	35.3	1.5	247	51.8
88	Cuyama	Central Coast Valleys	3/9/2013	400	68	0	0	0	6.9	37.2	92	35	3.5	277	51
88	Cuyama	Central Coast Valleys	3/9/2013	500	68	0	0	0	6.8	37.2	91	34.7	2.1	302	50.5
88	Cuyama	Central Coast Valleys	3/9/2013	600	68	0	0	0	6.8	37.8	88	34.8	4.6	285	50.1
88	Cuyama	Central Coast Valleys	3/9/2013	700	68	0	0	13	6.7	38	86	34.2	4.5	288	49.7
88	Cuyama	Central Coast Valleys	3/9/2013	800	68	0	0	81	6.7	38.4	85	34.4	3.6	284	49.4
88	Cuyama	Central Coast Valleys	3/9/2013	900	68	0	0	267	6.9	40.1	82	35	3.2	302	49.1
88	Cuyama	Central Coast Valleys	3/9/2013	1000	68	0.01	0	665	6.9	41.8	76	34.9	3.7	317	48.9
88	Cuyama	Central Coast Valleys	3/9/2013	1100	68	0.01	0	881	7.1	43.5	74	35.9	4.3	119	49
88	Cuyama	Central Coast Valleys	3/9/2013	1200	68	0	0	545	7.3	44.2	74	36.5	4.6	126	49.3
88	Cuyama	Central Coast Valleys	3/9/2013	1300	68	0	0	458	7.4	45.2	73	36.9	4.3	119	49.9
88	Cuyama	Central Coast Valleys	3/9/2013	1400	68	0	0	439	7.7	46	73	37.8	5.9	110	50.3
88	Cuyama	Central Coast Valleys	3/9/2013	1500	68	0.01	0	696	8	47.5	71	38.7	6.8	77	50.6
88	Cuyama	Central Coast Valleys	3/9/2013	1600	68	0.01	0	522	7.6	48.3	66	37.5	6.2	8	51
88	Cuyama	Central Coast Valleys	3/9/2013	1700	68	0	0	479	7.3	48.6	62	36.4	6.9	0	51.3
88	Cuyama	Central Coast Valleys	3/9/2013	1800	68	0	0	173	7.4	47.5	66	36.9	5.2	63	51.7
88	Cuyama	Central Coast Valleys	3/9/2013	1900	68	0	0	3	7.4	44.2	75	36.7	4.1	141	51.9
88	Cuyama	Central Coast Valleys	3/9/2013	2000	68	0	0	0	7.2	41.2	81	35.9	4	204	51.9
88	Cuyama	Central Coast Valleys	3/9/2013	2100	68	0	0	0	6.7	38.7	84	34.3	4.1	103	51.7
88	Cuyama	Central Coast Valleys	3/9/2013	2200	68	0	0	0	6.5	36.8	88	33.5	5.9	120	51.4
88	Cuyama	Central Coast Valleys	3/9/2013	2300	68	0	0	0	6.2	35.6	89	32.4	5.8	117	50.9
88	Cuyama	Central Coast Valleys	3/9/2013	2400	68	0	0	0	5.9	33.9	90	31.3	5.5	103	50.4
88	Cuyama	Central Coast Valleys	3/10/2013	100	69	0	0	0	5.9	33.8	90	31.3	6.1	98	49.8
88	Cuyama	Central Coast Valleys	3/10/2013	200	69	0	0	0	5.9	33.6	90	31	5.7	116	49.2
88	Cuyama	Central Coast Valleys	3/10/2013	300	69	0	0	0	5.8	33.5	90	30.9	6.1	115	48.7
88	Cuyama	Central Coast Valleys	3/10/2013	400	69	0	0	0	5.7	33.1	89	30.3	6.6	109	48.1
88	Cuyama	Central Coast Valleys	3/10/2013	500	69	0	0	0	5.5	31.9	90	29.5	5.3	122	47.6
88	Cuyama	Central Coast Valleys	3/10/2013	600	69	0	0	0	5.8	33.2	90	30.5	6.1	106	47.1
88	Cuyama	Central Coast Valleys	3/10/2013	700	69	0	0	0	5.7	33.1	89	30.3	6.6	109	46.6
									Averages	33.3	90	30.8	6.0		
88	Cuyama	Central Coast Valleys	3/10/2013	800	69	0	0	415	6.4	37.2	85	33.2	6.1	96	46.1
88	Cuyama	Central Coast Valleys	3/10/2013	900	69	0.01	0	843	7.5	44.9	74	37.2	6.9	99	45.8
88	Cuyama	Central Coast Valleys	3/10/2013	1000	69	0.01	0	1229	7.8	51.6	60	38.2	4.7	112	45.8
88	Cuyama	Central Coast Valleys	3/10/2013	1100	69	0.02	0	1528	7.3	57.4	45	38.5	3.2	110	46.4
88	Cuyama	Central Coast Valleys	3/10/2013	1200	69	0.02	0	1695	6.5	61.6	35	33.4	3.2	63	47.5
88	Cuyama	Central Coast Valleys	3/10/2013	1300	69	0.02	0	1726	7.3	63.5	38	36.3	4.8	341	49.3
88	Cuyama	Central Coast Valleys	3/10/2013	1400	69	0.02	0	1631	8	64.1	39	38.7	4.6	69	51.3
88	Cuyama	Central Coast Valleys	3/10/2013	1500	69	0.02	0	1406	7.9	65.5	37	38.6	4.8	344	53.2
88	Cuyama	Central Coast Valleys	3/10/2013	1600	69	0.01	0	1055	8.5	65.1	40	40.2	7	354	55.1
88	Cuyama	Central Coast Valleys	3/10/2013	1700	69	0.01	0	653	8.7	62.6	45	40.9	9.4	341	56.7
88	Cuyama	Central Coast Valleys	3/10/2013	1800	69	0	0	217	8.9	59	52	41.4	5	15	57.8
88	Cuyama	Central Coast Valleys	3/10/2013	1900	69	0	0	3	8.6	53.2	62	40.5	5	239	58.3
88	Cuyama	Central Coast Valleys	3/10/2013	2000	69	0	0	0	8.2	49.7	68	39.5	5.1	192	58.4
88	Cuyama	Central Coast Valleys	3/10/2013	2100	69	0	0	0	7.9	45.9	75	38.3	4.6	183	58.1
88	Cuyama	Central Coast Valleys	3/10/2013	2200	69	0	0	0	7.5	43.5	78	37.2	2.8	132	57.5
88	Cuyama	Central Coast Valleys	3/10/2013	2300	69	0	0	0	6.8	39.6	82	34.5	4.4	117	56.9
88	Cuyama	Central Coast Valleys	3/10/2013	2400	69	0	0	0	6.5	37.7	85	33.5	4.9	130	56.2
88	Cuyama	Central Coast Valleys	3/11/2013	100	70	0	0	0	6.1	36.5	83	31.8	6.7	109	55.4
88	Cuyama	Central Coast Valleys	3/11/2013	200	70	0	0	0	5.6	34.6	83	30	5.2	119	54.6
88	Cuyama	Central Coast Valleys	3/11/2013	300	70	0	0	0	5.1	32.6	82	27.6	5.4	123	53.7
88	Cuyama	Central Coast Valleys	3/11/2013	400	70	0	0	0	4.8	31.2	81	26.2	5.5	111	52.9
88	Cuyama	Central Coast Valleys	3/11/2013	500	70	0	0	0	4.9	31.9	80	26.5	4.8	97	52.1
88	Cuyama	Central Coast Valleys	3/11/2013	600	70	0	0	0	4.6	30.6	80	25.2	5.4	115	51.2
88	Cuyama	Central Coast Valleys	3/11/2013	700	70	0	0	58	4.8	31.2	80	25.9	3.5	161	50.5
									Averages	32.0	81	26.9	5.0		
88	Cuyama	Central Coast Valleys	3/11/2013	800	70	0	0	427	5.6	37.5	74	29.9	4.4	72	49.7
88	Cuyama	Central Coast Valleys	3/11/2013	900	70	0.01	0	852	6.2	47.7	55	32.3	6.2	146	49.2
88	Cuyama	Central Coast Valleys	3/11/2013	1000	70	0.01	0	1229	6.9	56.5	44	35.1	3.6	324	49
88	Cuyama	Central Coast Valleys	3/11/2013	1100	70	0.02	0	1520	6.5	60.4	36	33.4	3.6	177	49.4

88	Cuyama	Central Coast Valleys	3/11/2013	1200	70	0.02		0	1697		8	63.4		30		31.5	3.9	52	50.6	
88	Cuyama	Central Coast Valleys	3/11/2013	1300	70	0.02		0	1728		5.8	67.3		25		30.6	3.3	231	52.2	
88	Cuyama	Central Coast Valleys	3/11/2013	1400	70	0.02		0	1619		7.1	69.3		29		35.8	5.4	357	54	
88	Cuyama	Central Coast Valleys	3/11/2013	1500	70	0.02		0	1413		7.7	70.2		30		37.8	6.5	360	55.9	
88	Cuyama	Central Coast Valleys	3/11/2013	1600	70	0.01		0	1065		7.7	69.9		31		37.7	8.3	347	57.7	
88	Cuyama	Central Coast Valleys	3/11/2013	1700	70	0.01		0	650		7.8	66.5		35		38.1	11.9	344	59.2	
88	Cuyama	Central Coast Valleys	3/11/2013	1800	70	0		0	213		7.9	62		42		38.4	6.5	94	60.3	
88	Cuyama	Central Coast Valleys	3/11/2013	1900	70	0		0	2		7.7	55.7		51		37.9	5.5	148	60.8	
88	Cuyama	Central Coast Valleys	3/11/2013	2000	70	0		0	0		8	52.4		60		38.8	6.7	161	60.8	
88	Cuyama	Central Coast Valleys	3/11/2013	2100	70	0		0	0		7.9	49		66		38.3	5.1	164	60.4	
88	Cuyama	Central Coast Valleys	3/11/2013	2200	70	0		0	0		7.5	45.8		72		37.3	4.3	157	59.9	
88	Cuyama	Central Coast Valleys	3/11/2013	2300	70	0		0	0		7.3	42.7		78		36.3	3.9	137	59.2	
88	Cuyama	Central Coast Valleys	3/11/2013	2400	70	0		0	0		7	40.8		81		35.4	4.2	109	58.5	
88	Cuyama	Central Coast Valleys	3/12/2013	100	71	0		0	0		6.7	39.6		81		34.2	5	114	57.8	
88	Cuyama	Central Coast Valleys	3/12/2013	200	71	0		0	0		6.5	38.9		80		33.4	5.6	122	57	
88	Cuyama	Central Coast Valleys	3/12/2013	300	71	0		0	0		6.1	37.3		81		32.1	4	122	56.2	
88	Cuyama	Central Coast Valleys	3/12/2013	400	71	0		0	0		6	36.6		82		31.5	5.2	118	55.4	
88	Cuyama	Central Coast Valleys	3/12/2013	500	71	0		0	0		5.9	36.8		80		31.1	5.1	115	54.7	
88	Cuyama	Central Coast Valleys	3/12/2013	600	71	0		0	0		5.6	35.6		80		30	4.2	112	54	
88	Cuyama	Central Coast Valleys	3/12/2013	700	71	0		0	61		5.6	35.4		80		30	3.8	91	53.2	
88	Cuyama	Central Coast Valleys	3/12/2013	800	71	0		0	424		6.6	42.5		72		34	4.5	84	52.6	
88	Cuyama	Central Coast Valleys	3/12/2013	900	71	0.01		0	856		7.9	52.4		59		38.4	4.8	52	52.1	
88	Cuyama	Central Coast Valleys	3/12/2013	1000	71	0.01		0	1227		7.9	61.6		42		38.4	4.9	84	52	
88	Cuyama	Central Coast Valleys	3/12/2013	1100	71	0.02		0	1520		6.7	67		30		34.4	4.6	91	52.5	
88	Cuyama	Central Coast Valleys	3/12/2013	1200	71	0.02		0	1693		7.6	71		29		37.5	4	346	53.6	
88	Cuyama	Central Coast Valleys	3/12/2013	1300	71	0.02		0	1724		8.2	72.7		30		39.3	6	342	55.2	
88	Cuyama	Central Coast Valleys	3/12/2013	1400	71	0.02		0	1625		8.2	74.2		28		39.3	7.1	337	57.1	
88	Cuyama	Central Coast Valleys	3/12/2013	1500	71	0.02		0	1390		8.5	74.5		29		40.2	7.4	344	59	
88	Cuyama	Central Coast Valleys	3/12/2013	1600	71	0.01		0	1048		9.2	73.7		32		42.3	5.3	58	60.8	
88	Cuyama	Central Coast Valleys	3/12/2013	1700	71	0.01		0	640		8.8	72.4		32		41.2	7.9	347	62.3	
88	Cuyama	Central Coast Valleys	3/12/2013	1800	71	0		0	209		9.1	68.4		38		42.2	7.6	13	63.3	Y
88	Cuyama	Central Coast Valleys	3/12/2013	1900	71	0		0	3		9.7	61.6		52		43.8	7.9	136	63.7	Y
88	Cuyama	Central Coast Valleys	3/12/2013	2000	71	0		0	0		9.8	57.2		61		44.1	7.3	159	63.8	Y
88	Cuyama	Central Coast Valleys	3/12/2013	2100	71	0		0	0		9.7	54.8		66		43.7	5.9	111	63.4	Y
88	Cuyama	Central Coast Valleys	3/12/2013	2200	71	0		0	0		9	50		73		41.7	4	147	62.9	
88	Cuyama	Central Coast Valleys	3/12/2013	2300	71	0		0	0		8.4	47.1		76		40.1	4.3	122	62.3	
88	Cuyama	Central Coast Valleys	3/12/2013	2400	71	0		0	0		8.3	45.8		79		39.6	3	115	61.6	
88	Cuyama	Central Coast Valleys	3/13/2013	100	72	0		0	0		7.9	45.7		75		38.4	5.1	117	60.9	
88	Cuyama	Central Coast Valleys	3/13/2013	200	72	0		0	0		7.5	44.5		75		37.2	5.8	118	60.2	
88	Cuyama	Central Coast Valleys	3/13/2013	300	72	0		0	0		7.2	44.1		74		36.2	7.1	111	59.4	
88	Cuyama	Central Coast Valleys	3/13/2013	400	72	0		0	0		7	42.6		76		35.5	4.9	118	58.7	
88	Cuyama	Central Coast Valleys	3/13/2013	500	72	0		0	0		7	41.6		79		35.5	4.1	96	58	
88	Cuyama	Central Coast Valleys	3/13/2013	600	72	0		0	0		6.8	40.9		78		34.5	5.7	109	57.3	
88	Cuyama	Central Coast Valleys	3/13/2013	700	72	0		0	64		6.7	42		74		34.4	5.1	122	56.6	
88	Cuyama	Central Coast Valleys	3/13/2013	800	72	0		0	436		7.9	48.2		69		38.3	5.6	97	55.9	
88	Cuyama	Central Coast Valleys	3/13/2013	900	72	0.01		0	866		8.6	59		51		40.7	5	75	55.5	
88	Cuyama	Central Coast Valleys	3/13/2013	1000	72	0.02		0	1250		8.3	67.6		36		39.8	4	72	55.4	
88	Cuyama	Central Coast Valleys	3/13/2013	1100	72	0.02	Y	0	1547		7	75.5	Y	23	Y	35.3	Y	3.6	86	55.9	
88	Cuyama	Central Coast Valleys	3/13/2013	1200	72	0.02	Y	0	1722		6.9	80	Y	20	Y	34.9	Y	2.7	342	57	
88	Cuyama	Central Coast Valleys	3/13/2013	1300	72	0.02	Y	0	1757		5.9	82.9	Y	15	Y	31.2	Y	3.6	301	58.7	
88	Cuyama	Central Coast Valleys	3/13/2013	1400	72	0.02	Y	0	1656		5.9	84.7	Y	15	Y	31.3	Y	5.4	304	60.6	
88	Cuyama	Central Coast Valleys	3/13/2013	1500	72	0.02	Y	0	1400		9	82.4	Y	24	Y	41.7	Y	11.4	340	62.6	Y
88	Cuyama	Central Coast Valleys	3/13/2013	1600	72	0.02	Y	0	1060		8.8	80.9	Y	24	Y	41.1	Y	11.4	345	64.5	Y
88	Cuyama	Central Coast Valleys	3/13/2013	1700	72	0.01	Y	0	640		9.1	77.3	Y	28	Y	42	Y	8.4	348	66	Y
88	Cuyama	Central Coast Valleys	3/13/2013	1800	72	0	Y	0	218		9.5	73.2	Y	34	Y	43.3	Y	5.6	120	67	Y
88	Cuyama	Central Coast Valleys	3/13/2013	1900	72	0		0	3		10.6	64.5		51		46.1		5	164	67.4	Y
88	Cuyama	Central Coast Valleys	3/13/2013	2000	72	0		0	0		9.6	59.1		56		43.3		2.4	186	67.4	Y
88	Cuyama	Central Coast Valleys	3/13/2013	2100	72	0		0	0		9.2	55.9		60		42.4		2.9	126	67	Y
88	Cuyama	Central Coast Valleys	3/13/2013	2200	72	0		0	0		9	52.9		66		41.7		4.6	133	66.4	Y
88	Cuyama	Central Coast Valleys	3/13/2013	2300	72	0		0	0		8.6	51.5		67		40.7		5	129	65.7	Y
88	Cuyama	Central Coast Valleys	3/13/2013	2400	72	0		0	0		8	50.6		64		38.8		6.3	115	64.9	Y
88	Cuyama	Central Coast Valleys	3/14/2013	100	73	0		0	0		7.7	48.9		65		37.7		5.9	135	64.1	Y
88	Cuyama	Central Coast Valleys	3/14/2013	200	73	0		0	0		7.6	47.2		69		37.6		5.3	117	63.3	Y
88	Cuyama	Central Coast Valleys	3/14/2013	300	73	0		0	0		7.4	45.9		70		36.9		5.4	115	62.5	Y
88	Cuyama	Central Coast Valleys	3/14/2013	400	73	0		0	0		7.6	45.1		74		37.3		5.1	114	61.7	Y
88	Cuyama	Central Coast Valleys	3/14/2013	500	73	0		0	0		7.2	45.1		70		36		6.9	102	60.9	
88	Cuyama	Central Coast Valleys	3/14/2013	600	73	0		0	0		7.2	44.9		71		36		6.4	97	60.2	
88	Cuyama	Central Coast Valleys	3/14/2013	700	73	0		0	68		6.8	46.6		63		34.7		5.7	124	59.5	
88	Cuyama	Central Coast Valleys	3/14/2013	800	73	0		0	448		8.2	51.8		62		39.3		6.1	107	58.8	
88	Cuyama	Central Coast Valleys	3/14/2013	900	73	0.01		0	878		9	61.2		49		41.9		5.6	91	58.3	
88	Cuyama	Central Coast Valleys	3/14/2013	1000	73	0.02	Y	0	1267		8.6	70.9	Y	33	Y	40.5	Y	3	125	58.2	
88	Cuyama	Central Coast Valleys	3/14/2013	1100	73	0.02	Y	0	1481		8	76.2	Y	26	Y	38.6	Y	3.7	315	58.7	
88	Cuyama	Central Coast Valleys	3/14/2013	1200	73	0.03	Y	0	1753		7.5	82.6	Y	20	Y	37.2	Y	5.6	305	59.9	
88	Cuyama	Central Coast Valleys	3/14/2013	1300	73	0.03	Y	0	1712		6.8	85.8	Y	16	Y	34.8	Y	5.5	299	61.5	Y
88	Cuyama	Central Coast Valleys	3/14/2013	1400	73	0.03	Y	0	1590		8.5	85.4	Y	20	Y	40.3	Y	9.8	331	63.4	Y
88	Cuyama	Central Coast Valleys	3/14/2013	1500	73	0.02	Y	0	1259		10.8	82.5	Y	29	Y	46.7	Y	13.6	342	65.3	Y
88	Cuyama	Central Coast Valleys	3/14/2013	1600	73	0.02	Y	0	897		11.1	79.7	Y	32	Y	47.4	Y	10.7	355	67	Y
88	Cuyama	Central Coast Valleys	3/14/2013	1700	73	0.01	Y	0	547		11.3	77.8	Y	35	Y	47.8	Y	7.2	2	68.3	Y
88	Cuyama	Central Coast Valleys	3/14/2013	1800	73	0	Y	0	137		11.7	74.1	Y	40	Y	48.6	Y	4	317	69.1	R
88	Cuyama	Central Coast Valleys	3/14/2013	1900	73	0	Y	0	2		9.2	68.3	Y	39	Y	42.4	Y	2.7	181	69.4	R
88	Cuyama	Central Coast Valleys	3/14/2013	2000	73	0	Y	0	0		11.8	62.8	Y	60	Y	48.9	Y	4.7	166	69.4	R
88	Cuyama	Central Coast Valleys	3/14/2013	2100	73	0	Y	0	0		10.9	60.1	Y	61	Y	46.8	Y	3	179	69	Y
88	Cuyama	Central Coast Valleys	3/14/2013	2200	73	0		0	0		10.7	58.9		68		46.3		3.6	157	68.5	Y
88	Cuyama	Central Coast Valleys	3/14/2013	2300	73	0	Y	0	0		10.7	59.2	Y	62	Y	46.2	Y	4.6	104	67.8	Y
88	Cuyama	Central Coast Valleys	3/14/2013	2400	73	0	Y	0	0		10.6	57.1	Y	66	Y	46	Y	2.5	147	67.1	Y

88	Cuyama	Central Coast Valleys	3/15/2013	100	74	0	0	0	10.9	55.8	72	46.8	3.7	120	66.4	Y
88	Cuyama	Central Coast Valleys	3/15/2013	200	74	0	0	0	10.8	55.3	72	46.5	3.4	71	65.8	Y
88	Cuyama	Central Coast Valleys	3/15/2013	300	74	0	0	0	10.9	54.1	76	46.7	3.9	102	65.1	Y
88	Cuyama	Central Coast Valleys	3/15/2013	400	74	0	0	0	10.1	50.8	80	44.8	2.3	88	64.4	Y
88	Cuyama	Central Coast Valleys	3/15/2013	500	74	0	0	0	10.1	50.7	80	44.8	4.3	84	63.8	Y
88	Cuyama	Central Coast Valleys	3/15/2013	600	74	0	0	0	9.2	47.5	82	42.2	2.9	93	63.2	Y
88	Cuyama	Central Coast Valleys	3/15/2013	700	74	0	0	49	9.9	48	86	44.2	3.6	140	62.5	Y
88	Cuyama	Central Coast Valleys	3/15/2013	800	74	0	0	382	10	49.9	82	44.5	4.8	85	61.9	Y
88	Cuyama	Central Coast Valleys	3/15/2013	900	74	0.01	0	823	11.7	58	71	46.7	6.1	70	61.4	Y
88	Cuyama	Central Coast Valleys	3/15/2013	1000	74	0.02	0	1224	11.4	64.6	55	48	6.4	108	61.2	Y
88	Cuyama	Central Coast Valleys	3/15/2013	1100	74	0.02	0	1510	12	68.3	51	49.5	4.5	50	61.5	Y
88	Cuyama	Central Coast Valleys	3/15/2013	1200	74	0.02	0	1695	11.5	71.9	43	48.2	3.3	228	62.3	Y
88	Cuyama	Central Coast Valleys	3/15/2013	1300	74	0.02	0	1737	11.1	75.7	37	47.2	4.7	57	63.6	Y
88	Cuyama	Central Coast Valleys	3/15/2013	1400	74	0.03	0	1586	9.9	76	32	44.2	11.2	339	65.2	Y
88	Cuyama	Central Coast Valleys	3/15/2013	1500	74	0.02	0	1374	9.7	74.8	33	43.7	9.6	359	66.8	Y
88	Cuyama	Central Coast Valleys	3/15/2013	1600	74	0.02	0	944	9.5	73.7	33	43.2	10.1	343	66.4	R
88	Cuyama	Central Coast Valleys	3/15/2013	1700	74	0.01	0	455	9.5	71.2	36	43.2	10.7	348	65.5	R
88	Cuyama	Central Coast Valleys	3/15/2013	1800	74	0	0	114	10.2	68	44	45.2	6.7	66	70.1	R
88	Cuyama	Central Coast Valleys	3/15/2013	1900	74	0	0	3	10.6	63.4	53	46.1	5.5	127	70.3	R
88	Cuyama	Central Coast Valleys	3/15/2013	2000	74	0	0	0	10.4	59.4	60	45.5	4.3	139	70	R
88	Cuyama	Central Coast Valleys	3/15/2013	2100	74	0	0	0	10.1	58.2	61	44.9	4	149	69.5	R
88	Cuyama	Central Coast Valleys	3/15/2013	2200	74	0	0	0	9.7	56.2	63	43.7	4.4	178	68.9	Y
88	Cuyama	Central Coast Valleys	3/15/2013	2300	74	0	0	0	9.6	53.9	68	43.4	5.7	169	68.2	Y
88	Cuyama	Central Coast Valleys	3/15/2013	2400	74	0	0	0	8.9	50.5	71	41.4	2.9	123	67.4	Y
88	Cuyama	Central Coast Valleys	3/16/2013	100	75	0	0	0	8.9	48	78	41.4	4.3	114	66.7	Y
88	Cuyama	Central Coast Valleys	3/16/2013	200	75	0	0	0	8.5	46.5	79	40.2	4.8	113	65.8	Y
88	Cuyama	Central Coast Valleys	3/16/2013	300	75	0	0	0	8.1	44.6	81	39.1	4.2	124	65	Y
88	Cuyama	Central Coast Valleys	3/16/2013	400	75	0	0	0	7.2	43.1	76	38	3.2	134	64.2	Y
88	Cuyama	Central Coast Valleys	3/16/2013	500	75	0	0	0	6.8	42.9	72	34.5	3.7	129	63.4	Y
88	Cuyama	Central Coast Valleys	3/16/2013	600	75	0	0	0	6.8	41.4	77	34.8	4.3	82	62.6	Y
88	Cuyama	Central Coast Valleys	3/16/2013	700	75	0	0	70	7.4	41.9	81	36.7	5.5	113	61.8	Y
88	Cuyama	Central Coast Valleys	3/16/2013	800	75	0	0	426	8.9	48.4	77	41.4	5.2	72	61.1	Y
88	Cuyama	Central Coast Valleys	3/16/2013	900	75	0.01	0	858	10.4	56.8	66	45.7	6	75	60.5	
88	Cuyama	Central Coast Valleys	3/16/2013	1000	75	0.02	0	1241	10.7	63.3	54	46.4	5.6	100	60.3	
88	Cuyama	Central Coast Valleys	3/16/2013	1100	75	0.02	0	1530	10	66.3	45	44.6	5	114	60.6	Y
88	Cuyama	Central Coast Valleys	3/16/2013	1200	75	0.02	0	1708	9.1	68.7	38	42.1	7.6	351	61.4	Y
88	Cuyama	Central Coast Valleys	3/16/2013	1300	75	0.02	0	1751	8.4	69.6	34	39.9	8.4	347	62.7	Y
88	Cuyama	Central Coast Valleys	3/16/2013	1400	75	0.02	0	1660	8	70.9	31	38.6	6.9	345	64.3	Y
88	Cuyama	Central Coast Valleys	3/16/2013	1500	75	0.02	0	1429	7.7	71.7	29	37.8	7.6	345	65.8	Y
88	Cuyama	Central Coast Valleys	3/16/2013	1600	75	0.02	0	1095	7.5	71.7	28	37.2	9.1	348	67.3	Y
88	Cuyama	Central Coast Valleys	3/16/2013	1700	75	0.01	0	668	7.1	70.7	28	35.9	9.1	337	68.5	R
88	Cuyama	Central Coast Valleys	3/16/2013	1800	75	0.01	0	225	7.2	68.2	31	36.2	8	338	69.2	R
88	Cuyama	Central Coast Valleys	3/16/2013	1900	75	0	0	5	6.8	63.8	34	34.7	4.7	3	69.4	R
88	Cuyama	Central Coast Valleys	3/16/2013	2000	75	0	0	0	7.3	59.1	43	36.5	4.4	41	69.2	Y
88	Cuyama	Central Coast Valleys	3/16/2013	2100	75	0	0	0	7.9	54.1	55	38.4	3.7	94	68.8	Y
88	Cuyama	Central Coast Valleys	3/16/2013	2200	75	0	0	0	7.8	51	61	38.1	3.8	165	68.1	Y
88	Cuyama	Central Coast Valleys	3/16/2013	2300	75	0	0	0	7.9	49.2	66	38.4	3.3	87	67.4	Y
88	Cuyama	Central Coast Valleys	3/16/2013	2400	75	0	0	0	7.9	47.2	72	38.5	3.6	176	66.6	Y
88	Cuyama	Central Coast Valleys	3/17/2013	100	76	0	0	0	7.7	46.6	71	37.8	3.8	146	65.7	Y
88	Cuyama	Central Coast Valleys	3/17/2013	200	76	0	0	0	7.3	45.7	70	36.4	3.3	101	64.9	Y
88	Cuyama	Central Coast Valleys	3/17/2013	300	76	0	0	0	7.4	44.5	74	36.7	4.1	137	64.1	Y
88	Cuyama	Central Coast Valleys	3/17/2013	400	76	0	0	0	7.2	46.8	66	36	5.7	147	63.3	Y
88	Cuyama	Central Coast Valleys	3/17/2013	500	76	0	0	0	6.9	45	67	34.9	4.2	146	62.5	Y
88	Cuyama	Central Coast Valleys	3/17/2013	600	76	0	0	0	6.4	42.5	70	33.3	3.8	93	61.8	Y
88	Cuyama	Central Coast Valleys	3/17/2013	700	76	0	0	60	6.3	40.5	74	32.8	4.2	93	61.1	Y
88	Cuyama	Central Coast Valleys	3/17/2013	800	76	0	0	471	7.4	48.6	64	36.9	5.8	113	60.4	
88	Cuyama	Central Coast Valleys	3/17/2013	900	76	0.01	0	882	6.9	57.1	43	34.9	8.4	109	59.8	
88	Cuyama	Central Coast Valleys	3/17/2013	1000	76	0.02	0	1261	7.4	59.4	43	36.9	9.5	81	59.6	
88	Cuyama	Central Coast Valleys	3/17/2013	1100	76	0.02	0	1553	7.5	62.2	39	37.1	7.7	86	59.8	
88	Cuyama	Central Coast Valleys	3/17/2013	1200	76	0.02	0	1706	7.3	64.7	35	36.6	8.5	348	60.5	Y
88	Cuyama	Central Coast Valleys	3/17/2013	1300	76	0.02	0	1747	7.3	66.4	33	36.5	7.7	5	61.7	Y
88	Cuyama	Central Coast Valleys	3/17/2013	1400	76	0.02	0	1679	6.9	67	31	35.1	11.5	340	63.1	Y
88	Cuyama	Central Coast Valleys	3/17/2013	1500	76	0.02	0	1435	6.9	67.1	30	34.9	10	347	64.5	Y
88	Cuyama	Central Coast Valleys	3/17/2013	1600	76	0.02	0	1107	6.6	67	29	33.9	9.6	348	65.9	Y
88	Cuyama	Central Coast Valleys	3/17/2013	1700	76	0.01	0	587	6.3	65.8	29	32.9	9.1	358	66.9	Y
88	Cuyama	Central Coast Valleys	3/17/2013	1800	76	0	0	181	6.1	63.6	30	32	7.4	13	67.6	Y
88	Cuyama	Central Coast Valleys	3/17/2013	1900	76	0	0	3	6.8	58.1	41	34.6	4.1	88	67.8	Y
88	Cuyama	Central Coast Valleys	3/17/2013	2000	76	0	0	0	7.2	54	51	36.2	5.1	153	67.6	Y
88	Cuyama	Central Coast Valleys	3/17/2013	2100	76	0	0	0	6.9	50.5	55	35.1	4.7	177	67.1	Y
88	Cuyama	Central Coast Valleys	3/17/2013	2200	76	0	0	0	6.9	47.4	62	34.9	4.5	109	66.4	Y
88	Cuyama	Central Coast Valleys	3/17/2013	2300	76	0	0	0	6.5	43.4	68	33.5	3.2	152	65.7	Y
88	Cuyama	Central Coast Valleys	3/17/2013	2400	76	0	0	0	6.7	42.7	71	34.2	3.4	114	64.9	Y
88	Cuyama	Central Coast Valleys	3/18/2013	100	77	0	0	0	6.1	41.3	70	32.1	4.6	112	64.1	Y
88	Cuyama	Central Coast Valleys	3/18/2013	200	77	0	0	0	5.8	40.5	68	30.8	3	95	63.3	Y
88	Cuyama	Central Coast Valleys	3/18/2013	300	77	0	0	0	5.9	39.5	72	31.2	3.4	115	62.5	Y
88	Cuyama	Central Coast Valleys	3/18/2013	400	77	0	0	0	5.8	37.3	77	30.7	4.3	95	61.7	Y
88	Cuyama	Central Coast Valleys	3/18/2013	500	77	0	0	0	5.9	37.6	77	31	4.4	107	60.9	
88	Cuyama	Central Coast Valleys	3/18/2013	600	77	0	0	0	5.6	35.6	80	30	3	108	60.1	
88	Cuyama	Central Coast Valleys	3/18/2013	700	77	0	0	92	5.8	36.5	80	30.9	4.8	78	59.3	
88	Cuyama	Central Coast Valleys	3/18/2013	800	77	0	0	478	6.6	44.3	67	34	6.4	82	58.6	
88	Cuyama	Central Coast Valleys	3/18/2013	900	77	0.01	0	900	7	53.2	50	35.3	6.4	74	58.1	
88	Cuyama	Central Coast Valleys	3/18/2013	1000	77	0.02	0	1306	5.9	60.1	33	31	5	120	57.9	
88	Cuyama	Central Coast Valleys	3/18/2013	1100	77	0.02	0	1592	6.3	64.1	31	32.6	4.4	118	58.2	
88	Cuyama	Central Coast Valleys	3/18/2013	1200	77	0.02	0	1464	6.4	66.9	29	33.3	4	118	59.2	
88	Cuyama	Central Coast Valleys	3/18/2013	1300	77	0.02	0	1222	6.7	67.1	29	34.2	6.4	98	60.6	Y

88	Cuyama	Central Coast Valleys	3/18/2013	1400	77	0.02		0	1053		6.4	67.7		28	33.2		6.5	123	62	Y
88	Cuyama	Central Coast Valleys	3/18/2013	1500	77	0.01		0	671		6.1	67.4		27	32.1		5.3	97	63.1	Y
88	Cuyama	Central Coast Valleys	3/18/2013	1600	77	0.01		0	484		6	67.2		26	31.6		5.9	112	64	Y
88	Cuyama	Central Coast Valleys	3/18/2013	1700	77	0.01		0	230		6.7	65		32	34.2		6	95	64.6	Y
88	Cuyama	Central Coast Valleys	3/18/2013	1800	77	0		0	82		7.1	62.2		37	35.7		4.9	91	64.9	Y
88	Cuyama	Central Coast Valleys	3/18/2013	1900	77	0		0	2		7.4	59.8		42	36.9		4.4	131	65	Y
88	Cuyama	Central Coast Valleys	3/18/2013	2000	77	0		0	0		7.3	57.9		44	36.3		4.3	212	64.9	Y
88	Cuyama	Central Coast Valleys	3/18/2013	2100	77	0		0	0		8.4	57.1		53	40.1		4.5	257	64.7	Y
88	Cuyama	Central Coast Valleys	3/18/2013	2200	77	0		0	0		8.1	52.8		60	39.1		3.6	148	64.3	Y
88	Cuyama	Central Coast Valleys	3/18/2013	2300	77	0		0	0		8.3	51.5		64	39.7		3.7	133	63.9	Y
88	Cuyama	Central Coast Valleys	3/18/2013	2400	77	0		0	0		8	51.9		61	38.9		3	98	63.4	Y
88	Cuyama	Central Coast Valleys	3/19/2013	100	78	0		0	0		7.5	50		61	37.2		3.5	128	63	Y
88	Cuyama	Central Coast Valleys	3/19/2013	200	78	0		0	0		7.7	50.3		62	37.9		2	167	62.5	Y
88	Cuyama	Central Coast Valleys	3/19/2013	300	78	0		0	0		7.6	47.2		69	37.4		3.1	109	62	Y
88	Cuyama	Central Coast Valleys	3/19/2013	400	78	0		0	0		7.6	46		72	37.4		3.3	103	61.6	
88	Cuyama	Central Coast Valleys	3/19/2013	500	78	0		0	0		6.9	43.2		72	35		3.6	119	61.1	
88	Cuyama	Central Coast Valleys	3/19/2013	600	78	0		0	0		6.4	41.5		72	33.2		4.4	112	60.6	
88	Cuyama	Central Coast Valleys	3/19/2013	700	78	0		0	94		6.3	40.7		73	32.9		3.9	91	60	
88	Cuyama	Central Coast Valleys	3/19/2013	800	78	0		0	473		7	47.9		62	35.5		5.1	96	59.5	
88	Cuyama	Central Coast Valleys	3/19/2013	900	78	0.01		0	656		7.6	56.2		49	37.3		4.9	64	59	
88	Cuyama	Central Coast Valleys	3/19/2013	1000	78	0.02		0	1237		7.1	62.8		37	35.9		3.9	80	58.9	
88	Cuyama	Central Coast Valleys	3/19/2013	1100	78	0.02		0	1512		6.4	67.8		27	33.1		3.6	100	59.4	
88	Cuyama	Central Coast Valleys	3/19/2013	1200	78	0.02		0	1598		6.7	70.8		26	34.2		4.8	105	60.3	Y
88	Cuyama	Central Coast Valleys	3/19/2013	1300	78	0.02		0	1720		7.1	72		26	35.7		6.4	351	61.7	Y
88	Cuyama	Central Coast Valleys	3/19/2013	1400	78	0.02		0	1652		7.2	73.2		26	36		6.6	351	63.3	Y
88	Cuyama	Central Coast Valleys	3/19/2013	1500	78	0.02		0	1406		6.9	73.6		24	35.1		6.7	352	64.9	Y
88	Cuyama	Central Coast Valleys	3/19/2013	1600	78	0.02		0	1174		7	73.7		25	35.3		5.7	20	66.4	Y
88	Cuyama	Central Coast Valleys	3/19/2013	1700	78	0.01		0	572		7.8	70.1		31	38.2		7.4	68	67.7	Y
88	Cuyama	Central Coast Valleys	3/19/2013	1800	78	0		0	217		8.2	68.8		34	39.3		5.4	318	68.5	Y
88	Cuyama	Central Coast Valleys	3/19/2013	1900	78	0		0	3		7.9	63.9		39	38.4		8	275	68.9	Y
88	Cuyama	Central Coast Valleys	3/19/2013	2000	78	0		0	0		7.8	61.4		42	38.1		5.9	276	68.9	Y
88	Cuyama	Central Coast Valleys	3/19/2013	2100	78	0		0	0		7.9	59.4		46	38.5		5.5	269	68.6	Y
88	Cuyama	Central Coast Valleys	3/19/2013	2200	78	0	Y	0	0		8	58.1	Y	49	Y	38.8	Y	3.3	250	68.2	Y
88	Cuyama	Central Coast Valleys	3/19/2013	2300	78	0		0	0		8	56.6		51		38.6		2.2	244	67.7	Y
88	Cuyama	Central Coast Valleys	3/19/2013	2400	78	0		0	0		8.2	54.9		55		39.3		2	263	67.2	Y
88	Cuyama	Central Coast Valleys	3/20/2013	100	79	0		0	0		8	55.3		54		38.8		4.5	56	66.6	Y
88	Cuyama	Central Coast Valleys	3/20/2013	200	79	0		0	0		8.5	53		62		40.5		9.2	134	66	Y
88	Cuyama	Central Coast Valleys	3/20/2013	300	79	0		0	0		8.8	50.7		69		41.1		5.9	130	65.4	Y
88	Cuyama	Central Coast Valleys	3/20/2013	400	79	0		0	0		8.5	47.4		76		40.4		3.8	132	64.8	Y
88	Cuyama	Central Coast Valleys	3/20/2013	500	79	0		0	0		8	45.2		79		38.9		2.4	171	64.1	Y
88	Cuyama	Central Coast Valleys	3/20/2013	600	79	0		0	0		7.7	47		70		37.9		4.8	201	63.5	Y
88	Cuyama	Central Coast Valleys	3/20/2013	700	79	0		0	65		7.9	45.3		77		38.6		3.9	125	62.9	Y
88	Cuyama	Central Coast Valleys	3/20/2013	800	79	0		0	279		8.8	49.2		74		41.3		5	86	62.2	Y
88	Cuyama	Central Coast Valleys	3/20/2013	900	79	0.01		0	551		9.1	54.6		63		42.1		3.4	118	61.7	Y
88	Cuyama	Central Coast Valleys	3/20/2013	1000	79	0.01		0	864		9.8	59.7		56		44		3.3	291	61.4	Y
88	Cuyama	Central Coast Valleys	3/20/2013	1100	79	0.02		0	1346		9.3	64.5		45		42.6		3.7	327	61.4	Y
88	Cuyama	Central Coast Valleys	3/20/2013	1200	79	0.02		0	1388		8.6	67.5		37		40.5		4.2	313	62	Y
88	Cuyama	Central Coast Valleys	3/20/2013	1300	79	0.01		0	935		8.1	68.1		35		39.1		4.2	278	63	Y
88	Cuyama	Central Coast Valleys	3/20/2013	1400	79	0.02		0	1501		8.6	69.9		34		40.6		6	334	64.2	Y
88	Cuyama	Central Coast Valleys	3/20/2013	1500	79	0.01		0	794		9.3	68.2		39		42.6		8.3	335	65.3	Y
88	Cuyama	Central Coast Valleys	3/20/2013	1600	79	0.01		0	415		9.2	67		41		42.3		7.8	350	66.4	Y
88	Cuyama	Central Coast Valleys	3/20/2013	1700	79	0		0	188		9.5	65		45		43.2		8.8	352	67.2	Y
88	Cuyama	Central Coast Valleys	3/20/2013	1800	79	0		0	81		10.4	62.2		55		45.7		5.1	76	67.6	Y
88	Cuyama	Central Coast Valleys	3/20/2013	1900	79	0		0	7		10.2	60.6		57		45.1		3.3	141	67.7	Y
88	Cuyama	Central Coast Valleys	3/20/2013	2000	79	0		0	0		10.1	57.4		63		44.8		3.8	174	67.5	Y
88	Cuyama	Central Coast Valleys	3/20/2013	2100	79	0		0	0		9.6	55.1		65		43.5		2	254	67.2	Y
88	Cuyama	Central Coast Valleys	3/20/2013	2200	79	0		0	0		8.9	51.7		68		41.5		1.8	198	66.7	Y
88	Cuyama	Central Coast Valleys	3/20/2013	2300	79	0		0	0		8.5	48.5		73		40.3		3.4	175	66.1	Y
88	Cuyama	Central Coast Valleys	3/20/2013	2400	79	0		0	0		8.4	47.1		76		40		3.6	137	65.5	Y
88	Cuyama	Central Coast Valleys	3/21/2013	100	80	0		0	0		8.4	47.2		76		40.1		3.2	186	64.8	Y
88	Cuyama	Central Coast Valleys	3/21/2013	200	80	0		0	0		8.4	48.2		73		39.9		2.7	129	64.1	Y
88	Cuyama	Central Coast Valleys	3/21/2013	300	80	0		0	0		9.2	50.4		74		42.2		3.3	63	63.5	Y
88	Cuyama	Central Coast Valleys	3/21/2013	400	80	0		0	0		10	51.4		77		44.5		3.7	84	62.9	Y
88	Cuyama	Central Coast Valleys	3/21/2013	500	80	0		0	0		9.9	50.5		79		44.4		3.5	114	62.4	Y
88	Cuyama	Central Coast Valleys	3/21/2013	600	80	0		0	0		10.1	49.8		83		44.8		4.5	94	61.9	Y
88	Cuyama	Central Coast Valleys	3/21/2013	700	80	0		0	15		10.6	50.7		86		46.6		7	72	61.4	Y
88	Cuyama	Central Coast Valleys	3/21/2013	800	80	0		0	101		10.9	50.2		88		46.9		7.3	68	61.1	Y
88	Cuyama	Central Coast Valleys	3/21/2013	900	80	0		0	201		11.3	50.4		90		47.7		7.5	57	60.7	Y
88	Cuyama	Central Coast Valleys	3/21/2013	1000	80	0.01		0	588		11.1	50.6		89		47.4		6.8	4	60.5	Y
88	Cuyama	Central Coast Valleys	3/21/2013	1100	80	0.01		0	635		11.1	52.6		82		47.3		8.4	344	60.4	Y
88	Cuyama	Central Coast Valleys	3/21/2013	1200	80	0.01		0	860		11.1	54.1		78		47.3		7.5	355	60.5	Y
88	Cuyama	Central Coast Valleys	3/21/2013	1300	80	0.01		0	941		10.8	55.4		72		46.8		7.3	74	60.8	Y
88	Cuyama	Central Coast Valleys	3/21/2013	1400	80	0.01		0	1277		10.4	57.1		65		45.5		5.8	87	61.3	Y
88	Cuyama	Central Coast Valleys	3/21/2013	1500	80	0.02		0	1264		10.5	58.6		62		45.8		7.6	62	61.9	Y
88	Cuyama	Central Coast Valleys	3/21/2013	1600	80	0.01		0	1021		10.3	59		60		45.2		8.8	10	62.6	Y
88	Cuyama	Central Coast Valleys	3/21/2013	1700	80	0.01		0	752		10.1	58.3		61		44.7		7.4	30	63.4	Y
88	Cuyama	Central Coast Valleys	3/21/2013	1800	80	0		0	261		9.9	56.4		63		44.2		8	132	64.1	Y
88	Cuyama	Central Coast Valleys	3/21/2013	1900	80	0		0	8		9.6	53.3		69		43.3		4.6	124	64.4	Y
88	Cuyama	Central Coast Valleys	3/21/2013	2000	80	0		0	0		9.3	51.1		73		42.7		4.3	150	64.4	Y
88	Cuyama	Central Coast Valleys	3/21/2013	2100	80	0		0	0		8.7	47.7		77		40.9		2.5	146	64.1	Y
88	Cuyama	Central Coast Valleys	3/21/2013	2200	80	0		0	0		8.3	46.3		77		39.6		2.3	129	63.7	Y
88	Cuyama	Central Coast Valleys	3/21/2013	2300	80	0		0	0		7	45.7		67		35.5		3.7	82	63.1	Y
88	Cuyama	Central Coast Valleys	3/21/2013	2400	80	0		0	0		7.4	45.2		72		38.8		4.7	63	62.5	
88	Cuyama	Central Coast Valleys	3/22/2013	100	81	0		0	0		7.2	43.6		75		36.1		4.7	114	61.8	
88	Cuyama	Central Coast Valleys	3/22/2013	200	81	0		0	0		6.7	42.5		73		34.4		5.5	115	61.1	

88	Cuyama	Central Coast Valleys	3/22/2013	300	81	0	0	0	5.6	42.6	52	30.6	5	115	60.4		
88	Cuyama	Central Coast Valleys	3/22/2013	400	81	0	0	0	5.7	41.1	55	30.1	6.3	119	59.8		
88	Cuyama	Central Coast Valleys	3/22/2013	500	81	0	0	0	5.4	39.2	56	28.9	6	126	59.1		
88	Cuyama	Central Coast Valleys	3/22/2013	600	81	0	0	1	5.3	39.6	54	28.5	6.1	141	58.4		
88	Cuyama	Central Coast Valleys	3/22/2013	700	81	0	0	114	5.1	40.6	50	27.6	5.2	139	57.8		
88	Cuyama	Central Coast Valleys	3/22/2013	800	81	0.01	0	511	5.2	46.2	49	28.1	6.7	129	57.2		
88	Cuyama	Central Coast Valleys	3/22/2013	900	81	0.01	0	933	4.9	48.4	40	26.4	6.6	27	56.7		
88	Cuyama	Central Coast Valleys	3/22/2013	1000	81	0.01	0	1302	5.2	51.7	40	28.1	5.9	31	56.6		
88	Cuyama	Central Coast Valleys	3/22/2013	1100	81	0.02	0	1594	5.4	54.5	37	29	4.5	69	57.1		
88	Cuyama	Central Coast Valleys	3/22/2013	1200	81	0.02	0	1761	6.1	57.7	37	31.6	4.3	87	58		
88	Cuyama	Central Coast Valleys	3/22/2013	1300	81	0.02	0	1794	6.4	51.2	35	33.9	7.3	349	59.4		
88	Cuyama	Central Coast Valleys	3/22/2013	1400	81	0.02	0	1699	5	53.9	25	26.9	10	2	61	Y	
88	Cuyama	Central Coast Valleys	3/22/2013	1500	81	0.02	0	1476	3.5	64	19	21.4	12.7	344	62.5	Y	
88	Cuyama	Central Coast Valleys	3/22/2013	1600	81	0.02	0	1127	3.9	63.1	20	21.2	11.5	357	63.9	Y	
88	Cuyama	Central Coast Valleys	3/22/2013	1700	81	0.01	0	711	2.9	61.6	15	14.3	13.9	344	65	Y	
88	Cuyama	Central Coast Valleys	3/22/2013	1800	81	0.01	0	259	2.9	58.3	18	14.5	9.4	339	65.6	Y	
88	Cuyama	Central Coast Valleys	3/22/2013	1900	81	0	0	9	2.3	53.7	16	9.2	7.8	355	65.8	Y	
88	Cuyama	Central Coast Valleys	3/22/2013	2000	81	0	0	0	2.6	49.7	21	11.3	6.5	45	65.6	Y	
88	Cuyama	Central Coast Valleys	3/22/2013	2100	81	0	0	0	3.1	47.3	26	16.2	5.2	90	65.1	Y	
88	Cuyama	Central Coast Valleys	3/22/2013	2200	81	0	0	0	3.7	45.2	36	19.6	4.5	105	64.4	Y	
88	Cuyama	Central Coast Valleys	3/22/2013	2300	81	0	0	0	3.7	39.4	46	20.1	3.2	137	63.8	Y	
88	Cuyama	Central Coast Valleys	3/22/2013	2400	81	0	0	0	3.7	38	47	19.7	3.6	115	62.7	Y	
88	Cuyama	Central Coast Valleys	3/23/2013	100	82	0	0	0	3.9	38.9	49	21.4	5.2	129	61.9		
88	Cuyama	Central Coast Valleys	3/23/2013	200	82	0	0	0	3.9	38.6	49	21	5.6	155	61		
88	Cuyama	Central Coast Valleys	3/23/2013	300	82	0	0	0	3.8	33.2	60	20.8	3.5	75	60.1		
88	Cuyama	Central Coast Valleys	3/23/2013	400	82	0	0	0	3.7	33.6	57	20.1	3.4	112	59.3		
88	Cuyama	Central Coast Valleys	3/23/2013	500	82	0	0	0	3.5	34.6	52	18.9	5	151	58.6		
88	Cuyama	Central Coast Valleys	3/23/2013	600	82	0	0	1	3.9	30.9	67	21.4	5.4	101	57.7		
88	Cuyama	Central Coast Valleys	3/23/2013	700	82	0	0	122	4	33.2	62	21.6	5.7	101	56.9		
88	Cuyama	Central Coast Valleys	3/23/2013	800	82	0	0	526	4.3	39.4	52	23.3	6.9	85	56.2		
									Averages	34.2	58	21.0	6.0				
88	Cuyama	Central Coast Valleys	3/23/2013	900	82	0.01	0	960	4.4	47.6	39	23.8	6.8	84	55.7		
88	Cuyama	Central Coast Valleys	3/23/2013	1000	82	0.02	0	1337	4.1	53.1	29	22.1	5.6	108	55.5		
88	Cuyama	Central Coast Valleys	3/23/2013	1100	82	0.02	0	1619	4.2	57	26	22.8	5.2	134	56.9		
88	Cuyama	Central Coast Valleys	3/23/2013	1200	82	0.02	0	1774	4.4	60.4	25	24.2	4.7	133	58.8		
88	Cuyama	Central Coast Valleys	3/23/2013	1300	82	0.02	0	1807	4.8	63.6	24	26.2	7.1	84	58.3		
88	Cuyama	Central Coast Valleys	3/23/2013	1400	82	0.02	0	1693	4.3	69.8	20	23.7	5	330	60		
88	Cuyama	Central Coast Valleys	3/23/2013	1500	82	0.02	0	1421	3.7	67	16	20	6.6	343	61.6	Y	
88	Cuyama	Central Coast Valleys	3/23/2013	1600	82	0.02	0	1007	3.6	66.6	16	19	10.4	344	63.2	Y	
88	Cuyama	Central Coast Valleys	3/23/2013	1700	82	0.01	0	418	3.4	64.1	16	17.9	10.5	353	64.6	Y	
88	Cuyama	Central Coast Valleys	3/23/2013	1800	82	0	0	193	4.7	60.2	26	25.5	7.2	65	65.5	Y	
88	Cuyama	Central Coast Valleys	3/23/2013	1900	82	0	0	9	4.9	55	33	26.7	5.4	110	65.8	Y	
88	Cuyama	Central Coast Valleys	3/23/2013	2000	82	0	0	0	4.6	50.5	37	25.2	4.9	160	65.6	Y	
88	Cuyama	Central Coast Valleys	3/23/2013	2100	82	0	0	0	4.2	45.5	41	23.2	3.4	160	65.2	Y	
88	Cuyama	Central Coast Valleys	3/23/2013	2200	82	0	0	0	4.2	44	42	22.7	3.3	160	64.6	Y	
88	Cuyama	Central Coast Valleys	3/23/2013	2300	82	0	0	0	4.5	40.1	54	24.7	4.2	80	63.8	Y	
88	Cuyama	Central Coast Valleys	3/23/2013	2400	82	0	0	0	4.4	39.8	54	23.8	5.4	117	63	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	100	83	0	0	0	4.3	37.3	56	23.3	4.8	104	62.2		
88	Cuyama	Central Coast Valleys	3/24/2013	200	83	0	0	0	4.1	35.9	57	22.2	4.6	104	61.3		
88	Cuyama	Central Coast Valleys	3/24/2013	300	83	0	0	0	3.8	35.3	55	20.8	5.1	107	60.5		
88	Cuyama	Central Coast Valleys	3/24/2013	400	83	0	0	0	3.9	34.3	58	20.9	5.2	103	59.6		
88	Cuyama	Central Coast Valleys	3/24/2013	500	83	0	0	0	3.9	33.3	60	20.9	5.2	100	58.8		
88	Cuyama	Central Coast Valleys	3/24/2013	600	83	0	0	1	3.6	33.6	56	19.4	5	126	58		
88	Cuyama	Central Coast Valleys	3/24/2013	700	83	0	0	130	4	34.7	59	22	4.6	91	57.3		
									Averages	34.0	58	20.6	5.0				
88	Cuyama	Central Coast Valleys	3/24/2013	800	83	0.01	0	531	4.4	42.9	46	23.8	5.2	72	56.6		
88	Cuyama	Central Coast Valleys	3/24/2013	900	83	0.01	0	957	5	53.8	35	26.9	4.6	73	56.1		
88	Cuyama	Central Coast Valleys	3/24/2013	1000	83	0.02	0	1337	5.7	60.4	32	30.5	4.2	82	56		
88	Cuyama	Central Coast Valleys	3/24/2013	1100	83	0.02	0	1629	4.6	65.2	21	24.8	3.4	29	56.6		
88	Cuyama	Central Coast Valleys	3/24/2013	1200	83	0.02	0	1752	5.2	69.4	21	28.1	4.8	354	57.8		
88	Cuyama	Central Coast Valleys	3/24/2013	1300	83	0.02	0	1788	5.1	71.5	23	31.8	6.5	344	59.5		
88	Cuyama	Central Coast Valleys	3/24/2013	1400	83	0.02	0	1685	5.8	72.6	21	30.9	7.3	334	61.4	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	1500	83	0.02	0	1479	5.8	72.7	21	30.5	9.7	359	63.2	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	1600	83	0.02	0	1142	5.9	71.8	22	31.3	9	15	65	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	1700	83	0.01	0	717	5.9	70.2	23	31.1	8.9	4	66.3	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	1800	83	0	0	279	6	67.4	26	31.4	7.2	9	67.2	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	1900	83	0	0	8	6.2	60.6	34	32.4	4.6	123	67.6	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	2000	83	0	0	0	6.2	56.7	40	32.4	5.7	140	67.5	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	2100	83	0	0	0	5.6	51.9	43	29.9	4.4	177	67.2	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	2200	83	0	0	0	5.4	48.8	46	28.9	3.5	148	66.6	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	2300	83	0	0	0	5.6	45.1	54	29.7	3.6	122	65.9	Y	
88	Cuyama	Central Coast Valleys	3/24/2013	2400	83	0	0	0	5.6	41.9	63	30	4.6	100	65.1	Y	
88	Cuyama	Central Coast Valleys	3/25/2013	100	84	0	0	0	5.5	41.4	61	29.2	5.6	102	64.2	Y	
88	Cuyama	Central Coast Valleys	3/25/2013	200	84	0	0	0	5.3	39.8	64	28.7	4.3	102	63.4	Y	
88	Cuyama	Central Coast Valleys	3/25/2013	300	84	0	0	0	5.3	38.6	66	28.4	5.4	101	62.5	Y	
88	Cuyama	Central Coast Valleys	3/25/2013	400	84	0	0	0	5.2	38.2	66	27.8	5.9	103	61.7	Y	
88	Cuyama	Central Coast Valleys	3/25/2013	500	84	0	0	0	5	37.9	64	26.9	4.8	118	60.9		
88	Cuyama	Central Coast Valleys	3/25/2013	600	84	0	0	1	5	38.6	63	27.1	6.3	102	60.1		
88	Cuyama	Central Coast Valleys	3/25/2013	700	84	0	0	144	5	39.7	60	27	5.9	111	59.3		
88	Cuyama	Central Coast Valleys	3/25/2013	800	84	0.01	0	496	5.8	47	53	30.7	6.9	93	58.7		
88	Cuyama	Central Coast Valleys	3/25/2013	900	84	0.01	0	876	6	56	39	31.6	6.6	64	58.1		
88	Cuyama	Central Coast Valleys	3/25/2013	1000	84	0.02	0	1235	5.5	64.7	27	29.7	4.5	106	58		
88	Cuyama	Central Coast Valleys	3/25/2013	1100	84	0.02	0	1571	5.8	69.7	24	30.9	3.5	95	58.4		
88	Cuyama	Central Coast Valleys	3/25/2013	1200	84	0.02	0	1434	5.4	72.1	20	29	3.9	55	59.4		
88	Cuyama	Central Coast Valleys	3/25/2013	1300	84	0.02	0	1271	6.2	73	22	32.4	5.7	332	60.8	Y	

88	Cuyama	Central Coast Valleys	3/25/2013	1400	84	0.02	0		894	6.8	71.6	26	34.8	8.8	352	62.3	Y
88	Cuyama	Central Coast Valleys	3/25/2013	1500	84	0.02	0		1242	6.9	72.7	25	35.1	7.5	19	63.6	Y
88	Cuyama	Central Coast Valleys	3/25/2013	1600	84	0.02	0		970	6.7	73	24	34.4	8.7	117	64.7	Y
88	Cuyama	Central Coast Valleys	3/25/2013	1700	84	0.01	0		555	6.9	71.8	26	34.9	6.8	100	65.6	Y
88	Cuyama	Central Coast Valleys	3/25/2013	1800	84	0	0		219	6.9	68.3	29	35.1	5.7	353	66.2	Y
88	Cuyama	Central Coast Valleys	3/25/2013	1900	84	0	0		9	6.2	64.1	40	39.3	6.1	284	66.5	Y
88	Cuyama	Central Coast Valleys	3/25/2013	2000	84	0	0		0	6.1	59.9	46	39	6.8	265	66.6	Y
88	Cuyama	Central Coast Valleys	3/25/2013	2100	84	0	0		0	6	57.7	49	38.9	6.9	261	66.4	Y
88	Cuyama	Central Coast Valleys	3/25/2013	2200	84	0	0		0	7.8	54.4	54	38	4	268	66	Y
88	Cuyama	Central Coast Valleys	3/25/2013	2300	84	0	0		0	7.5	49.6	62	37	3.8	142	65.5	Y
88	Cuyama	Central Coast Valleys	3/25/2013	2400	84	0	0		0	7	46.1	66	35.3	3.9	123	64.9	Y
88	Cuyama	Central Coast Valleys	3/26/2013	100	85	0	0		0	6.3	43.4	66	32.8	2.7	166	64.3	Y
88	Cuyama	Central Coast Valleys	3/26/2013	200	85	0	0		0	6.2	41.7	69	32.4	1.9	111	63.6	Y
88	Cuyama	Central Coast Valleys	3/26/2013	300	85	0	0		0	6.3	41.1	72	32.6	4.4	135	62.8	Y
88	Cuyama	Central Coast Valleys	3/26/2013	400	85	0	0		0	6.1	39.5	74	31.8	2.6	124	62.1	Y
88	Cuyama	Central Coast Valleys	3/26/2013	500	85	0	0		0	5.9	38.7	74	31.2	4.6	136	61.3	
88	Cuyama	Central Coast Valleys	3/26/2013	600	85	0	0		1	5.7	37.7	74	30.3	5.8	118	60.5	
88	Cuyama	Central Coast Valleys	3/26/2013	700	85	0	0		144	6	39.8	72	31.5	6.4	109	59.8	
88	Cuyama	Central Coast Valleys	3/26/2013	800	85	0.01	0		548	6.6	46.3	62	34.1	6.4	105	59.1	
88	Cuyama	Central Coast Valleys	3/26/2013	900	85	0.01	0		972	7.1	56.2	46	35.9	5.3	84	58.6	
88	Cuyama	Central Coast Valleys	3/26/2013	1000	85	0.02	0		1345	6.4	63.6	32	33	2.7	353	58.5	
88	Cuyama	Central Coast Valleys	3/26/2013	1100	85	0.02	0		1631	5.8	67.9	25	30.7	3.3	313	59	
88	Cuyama	Central Coast Valleys	3/26/2013	1200	85	0.02	0		1790	5.2	70.5	20	27.9	5.2	328	60.2	
88	Cuyama	Central Coast Valleys	3/26/2013	1300	85	0.03	0		1819	5.5	72.4	20	29.2	6.5	344	61.9	Y
88	Cuyama	Central Coast Valleys	3/26/2013	1400	85	0.03	0		1759	6.1	72.7	22	32.1	7.9	340	63.8	Y
88	Cuyama	Central Coast Valleys	3/26/2013	1500	85	0.02	0		1524	6.3	72.9	23	32.7	9.2	333	65.5	Y
88	Cuyama	Central Coast Valleys	3/26/2013	1600	85	0.02	0		1190	6.6	72.2	25	34	11.5	343	67.2	Y
88	Cuyama	Central Coast Valleys	3/26/2013	1700	85	0.01	0		444	6.7	69.4	28	34.4	10.4	346	68.6	R
88	Cuyama	Central Coast Valleys	3/26/2013	1800	85	0	0		195	7.1	67	32	35.9	6.4	3	69.5	R
88	Cuyama	Central Coast Valleys	3/26/2013	1900	85	0	0		8	7.3	63.1	37	36.4	3.4	256	69.9	R
88	Cuyama	Central Coast Valleys	3/26/2013	2000	85	0	0		0	7.8	59.6	45	38.3	4.7	272	69.8	R
88	Cuyama	Central Coast Valleys	3/26/2013	2100	85	0	0		0	7.8	56.4	50	38.2	5.3	270	69.5	R
88	Cuyama	Central Coast Valleys	3/26/2013	2200	85	0	0		0	7.5	53.4	54	37.2	3.3	254	68.9	Y
88	Cuyama	Central Coast Valleys	3/26/2013	2300	85	0	0		0	7.3	49.7	60	36.3	3	190	68.2	Y
88	Cuyama	Central Coast Valleys	3/26/2013	2400	85	0	0		0	6.5	45.8	62	33.4	3	193	67.4	Y
88	Cuyama	Central Coast Valleys	3/27/2013	100	86	0	0		0	6.4	44.7	64	33.3	1.7	103	66.6	Y
88	Cuyama	Central Coast Valleys	3/27/2013	200	86	0	0		0	7.2	46	68	36.2	2.6	109	65.8	Y
88	Cuyama	Central Coast Valleys	3/27/2013	300	86	0	0		0	7.1	45.5	69	35.8	4	112	65	Y
88	Cuyama	Central Coast Valleys	3/27/2013	400	86	0	0		0	6.7	42.9	71	34.1	3.6	122	64.2	Y
88	Cuyama	Central Coast Valleys	3/27/2013	500	86	0	0		0	6.6	41.1	76	34	2.7	109	63.5	Y
88	Cuyama	Central Coast Valleys	3/27/2013	600	86	0	0		1	6.6	40.7	77	34	3.6	108	62.8	Y
88	Cuyama	Central Coast Valleys	3/27/2013	700	86	0	0		142	7	42.3	76	35.3	4.6	97	62.1	Y
88	Cuyama	Central Coast Valleys	3/27/2013	800	86	0	0		442	7.7	48.8	66	37.9	5.5	92	61.4	Y
88	Cuyama	Central Coast Valleys	3/27/2013	900	86	0.01	0		891	8.7	57	55	41	4.2	98	60.9	Y
88	Cuyama	Central Coast Valleys	3/27/2013	1000	86	0.01	0		1214	9.7	61.7	52	43.7	4	59	60.7	Y
88	Cuyama	Central Coast Valleys	3/27/2013	1100	86	0.02	0		1547	9.2	65.7	43	42.4	3.4	354	61.1	Y
88	Cuyama	Central Coast Valleys	3/27/2013	1200	86	0.02	0		1633	9	67.5	39	41.9	4.5	298	62.1	Y
88	Cuyama	Central Coast Valleys	3/27/2013	1300	86	0.02	0		1530	8.9	68.8	37	41.5	7	294	63.8	Y
88	Cuyama	Central Coast Valleys	3/27/2013	1400	86	0.02	0		1491	8.9	69	37	41.6	8	294	67.7	R
88	Cuyama	Central Coast Valleys	3/27/2013	1500	86	0.01	0		784	9	68.8	37	41.7	8.1	300	65.9	Y
88	Cuyama	Central Coast Valleys	3/27/2013	1600	86	0.02	0	Y	1362	9.3	70.1	37	42.8	8.2	296	66.8	Y
88	Cuyama	Central Coast Valleys	3/27/2013	1700	86	0.01	0	Y	945	9.7	68.3	41	43.6	8.1	297	67.5	Y
88	Cuyama	Central Coast Valleys	3/27/2013	1800	86	0	0		351	9.4	65.4	44	43	7.1	293	68.1	Y
88	Cuyama	Central Coast Valleys	3/27/2013	1900	86	0	0		15	9.5	60.4	53	43.3	6.5	276	68.4	Y
88	Cuyama	Central Coast Valleys	3/27/2013	2000	86	0	0		0	9.7	56.7	62	43.8	7.4	258	68.5	Y
88	Cuyama	Central Coast Valleys	3/27/2013	2100	86	0	0		0	10	54.1	70	44.5	7	261	68.1	Y
88	Cuyama	Central Coast Valleys	3/27/2013	2200	86	0	0		0	10	51.7	76	44.4	3.8	256	67.6	Y
88	Cuyama	Central Coast Valleys	3/27/2013	2300	86	0	0		0	9.8	49.7	81	44	2.5	292	67	Y
88	Cuyama	Central Coast Valleys	3/27/2013	2400	86	0	0		0	8.8	45.8	84	41.2	3.4	192	66.2	Y
88	Cuyama	Central Coast Valleys	3/28/2013	100	87	0	0		0	8.1	43.5	84	39.1	2.5	215	65.5	Y
88	Cuyama	Central Coast Valleys	3/28/2013	200	87	0	0		0	8.2	43.4	86	39.4	3.9	130	64.7	Y
88	Cuyama	Central Coast Valleys	3/28/2013	300	87	0	0		0	8.1	42.8	86	39	4.1	131	64	Y
88	Cuyama	Central Coast Valleys	3/28/2013	400	87	0	0		0	7.8	41.8	86	38	4	107	63.2	Y
88	Cuyama	Central Coast Valleys	3/28/2013	500	87	0	0		0	7.5	40.8	86	37	4.4	103	62.5	Y
88	Cuyama	Central Coast Valleys	3/28/2013	600	87	0	0		1	7.4	40.6	86	36.7	5	109	61.8	Y
88	Cuyama	Central Coast Valleys	3/28/2013	700	87	0	0		143	7.7	41.8	85	37.7	6.1	113	61	Y
88	Cuyama	Central Coast Valleys	3/28/2013	800	87	0	0		521	8.7	48.4	75	41	6.2	103	60.4	
88	Cuyama	Central Coast Valleys	3/28/2013	900	87	0.01	0		971	9.7	57.1	61	43.8	5.4	86	59.9	
88	Cuyama	Central Coast Valleys	3/28/2013	1000	87	0.02	0		1311	9.9	62.5	51	44.3	3.7	80	59.8	
88	Cuyama	Central Coast Valleys	3/28/2013	1100	87	0.02	0		1516	9.2	67.4	40	42.5	3.9	308	60.3	Y
88	Cuyama	Central Coast Valleys	3/28/2013	1200	87	0.02	0		1371	9.4	69.3	38	42.9	5.3	313	61.4	Y
88	Cuyama	Central Coast Valleys	3/28/2013	1300	87	0.02	0		1468	9.7	70.1	39	43.8	8.6	336	62.9	Y
88	Cuyama	Central Coast Valleys	3/28/2013	1400	87	0.01	0		711	9.7	68.7	40	43.7	9.1	348	64.3	Y
88	Cuyama	Central Coast Valleys	3/28/2013	1500	87	0.01	0		343	9.2	67.5	40	42.3	7.3	309	65.6	Y
88	Cuyama	Central Coast Valleys	3/28/2013	1600	87	0.01	0		547	9.2	66.2	42	42.3	6.4	78	66.4	Y
88	Cuyama	Central Coast Valleys	3/28/2013	1700	87	0.01	0		362	9.1	66.9	40	42.1	5.3	106	66.9	Y
88	Cuyama	Central Coast Valleys	3/28/2013	1800	87	0	0		123	11	60.5	61	47.1	7.9	279	67	Y
88	Cuyama	Central Coast Valleys	3/28/2013	1900	87	0	0		18	11	58.1	67	47.1	6	278	67	Y
88	Cuyama	Central Coast Valleys	3/28/2013	2000	87	0	0		0	10.8	55.7	71	46.5	4.7	276	66.9	Y
88	Cuyama	Central Coast Valleys	3/28/2013	2100	87	0	0		0	10	51.6	77	44.6	3.5	246	66.6	Y
88	Cuyama	Central Coast Valleys	3/28/2013	2200	87	0	0		0	9.5	49.8	78	43.2	2.5	169	66.1	Y
88	Cuyama	Central Coast Valleys	3/28/2013	2300	87	0	0		0	8.7	46.4	81	40.9	2.9	150	65.5	Y
88	Cuyama	Central Coast Valleys	3/28/2013	2400	87	0	0		0	8.5	45.5	82	40.3	4.1	140	64.9	Y
88	Cuyama	Central Coast Valleys	3/29/2013	100	88	0	0		0	8.3	44.2	84	39.6	4	120	64.1	Y
88	Cuyama	Central Coast Valleys	3/29/2013	200	88	0	0		0	7.9	43.2	83	38.5	4.1	125	63.4	Y

88	Cuyama	Central Coast Valleys	3/29/2013	300	88	0		0	0		7.8	42.5	84	38.1		4.9	124	62.7	Y
88	Cuyama	Central Coast Valleys	3/29/2013	400	88	0		0	0		7.6	41.7	85	37.6		4.8	118	62	Y
88	Cuyama	Central Coast Valleys	3/29/2013	500	88	0		0	0		7.6	41.3	86	37.4		5.1	103	61.4	Y
88	Cuyama	Central Coast Valleys	3/29/2013	600	88	0		0	3		7.3	40.2	87	36.6		4.4	117	60.7	
88	Cuyama	Central Coast Valleys	3/29/2013	700	88	0		0	164		7.8	42.1	85	38		5.2	104	60.1	
88	Cuyama	Central Coast Valleys	3/29/2013	800	88	0.01		0	586		8.9	49.7	73	41.5		4.8	96	59.5	
88	Cuyama	Central Coast Valleys	3/29/2013	900	88	0.01		0	1003		9.2	58.8	54	42.2		4.9	123	59.1	
88	Cuyama	Central Coast Valleys	3/29/2013	1000	88	0.02		0	1377		9.5	66.8	42	43.3		3.5	56	59.2	
88	Cuyama	Central Coast Valleys	3/29/2013	1100	88	0.02		0	1648		9.3	71	36	42.5		3.5	283	59.8	
88	Cuyama	Central Coast Valleys	3/29/2013	1200	88	0.02		0	1807		8.8	74.4	30	41.1		3.6	11	61	Y
88	Cuyama	Central Coast Valleys	3/29/2013	1300	88	0.03		0	1825		8.3	76.5	27	39.6		5.8	113	62.7	Y
88	Cuyama	Central Coast Valleys	3/29/2013	1400	88	0.02		0	1761		8.5	77.9	26	40.4		4.5	49	64.6	Y
88	Cuyama	Central Coast Valleys	3/29/2013	1500	88	0.01		0	908		8.5	76.4	27	40.2		5.5	283	66.3	Y
88	Cuyama	Central Coast Valleys	3/29/2013	1600	88	0.02		0	934		6.9	75.2	23	34.9		10	221	67.9	R
88	Cuyama	Central Coast Valleys	3/29/2013	1700	88	0.01		0	505		6.5	73.7	23	33.5		9.7	230	69.1	R
88	Cuyama	Central Coast Valleys	3/29/2013	1800	88	0.01	Y	0	347		6.1	73.2	Y 22	Y 32.1	Y	7.1	217	69.7	R
88	Cuyama	Central Coast Valleys	3/29/2013	1900	88	0	Y	0	11		7.2	66.7	Y 32	Y 36	Y	6	234	70	R
88	Cuyama	Central Coast Valleys	3/29/2013	2000	88	0		0	0		10.8	61.5	58	46.7		4.5	269	69.9	R
88	Cuyama	Central Coast Valleys	3/29/2013	2100	88	0		0	0		10.3	57.4	64	45.4		3.1	199	69.6	R
88	Cuyama	Central Coast Valleys	3/29/2013	2200	88	0		0	0		9.2	53.5	66	42.5		2.6	147	69.1	R
88	Cuyama	Central Coast Valleys	3/29/2013	2300	88	0		0	0		7.2	53.4	52	38.2		2.7	206	68.5	Y
88	Cuyama	Central Coast Valleys	3/29/2013	2400	88	0		0	0		7.3	53.1	53	38.4		2.3	223	67.8	Y
88	Cuyama	Central Coast Valleys	3/30/2013	100	89	0		0	0		7.9	53.5	56	38.4		2.4	255	67.1	Y
88	Cuyama	Central Coast Valleys	3/30/2013	200	89	0		0	0		8.8	53.3	63	41.1		2.1	252	66.5	Y
88	Cuyama	Central Coast Valleys	3/30/2013	300	89	0		0	0		9.2	52.6	68	42.4		2.3	288	65.9	Y
88	Cuyama	Central Coast Valleys	3/30/2013	400	89	0		0	0		9.3	50.3	75	42.6		2.6	176	65.3	Y
88	Cuyama	Central Coast Valleys	3/30/2013	500	89	0		0	0		9.2	48.8	78	42.2		2.7	177	64.7	Y
88	Cuyama	Central Coast Valleys	3/30/2013	600	89	0		0	3		8	44.8	79	38.7		3.3	167	64.2	Y
88	Cuyama	Central Coast Valleys	3/30/2013	700	89	0		0	192		8.1	46.7	75	39.1		2.3	246	63.6	Y
88	Cuyama	Central Coast Valleys	3/30/2013	800	89	0.01		0	688		9.6	54.4	66	43.5		2.6	46	63.1	Y
88	Cuyama	Central Coast Valleys	3/30/2013	900	89	0.01		0	1127		9.4	62.3	49	42.8		2.3	232	62.7	Y
88	Cuyama	Central Coast Valleys	3/30/2013	1000	89	0.02		0	1520		9	66.9	40	41.7		4.9	287	62.9	Y
88	Cuyama	Central Coast Valleys	3/30/2013	1100	89	0.02		0	1666		8.5	69.4	35	40.4		5.7	297	63.6	Y
88	Cuyama	Central Coast Valleys	3/30/2013	1200	89	0.03		0	1749		8	73	29	38.7		4.6	292	64.6	Y
88	Cuyama	Central Coast Valleys	3/30/2013	1300	89	0.03		0	1770		7.9	76.3	26	38.5		8.9	232	66.4	R
88	Cuyama	Central Coast Valleys	3/30/2013	1400	89	0.02		0	1247		7.6	76.5	24	37.4		13.2	214	68	R
88	Cuyama	Central Coast Valleys	3/30/2013	1500	89	0.03		0	1664	Y	7.8	78.2	24	38.2		12.2	213	69.4	R
88	Cuyama	Central Coast Valleys	3/30/2013	1600	89	0.02		0	977		8	74.9	27	38.7		13.1	219	70.4	R
88	Cuyama	Central Coast Valleys	3/30/2013	1700	89	0.01		0	415		7.5	72.6	28	37.2		10.9	214	71.3	R
88	Cuyama	Central Coast Valleys	3/30/2013	1800	89	0.01		0	358		7.1	70.5	28	35.9		8.8	208	71.8	R
88	Cuyama	Central Coast Valleys	3/30/2013	1900	89	0		0	15		6.6	65.6	31	33.8		6.6	214	71.9	R
88	Cuyama	Central Coast Valleys	3/30/2013	2000	89	0		0	0		7.3	61.6	39	36.6		6.3	251	71.8	R
88	Cuyama	Central Coast Valleys	3/30/2013	2100	89	0		0	0		8.3	59.4	48	39.7		6.6	263	71.4	R
88	Cuyama	Central Coast Valleys	3/30/2013	2200	89	0	Y	0	0		8.5	59.1	Y 50	Y 40.4	Y	9.8	232	70.8	R
88	Cuyama	Central Coast Valleys	3/30/2013	2300	89	0	Y	0	0		9.1	58.8	Y 54	Y 42.1	Y	5.7	247	70.2	R
88	Cuyama	Central Coast Valleys	3/30/2013	2400	89	0	Y	0	0		9.4	57.7	Y 58	Y 43	Y	4.9	237	69.5	R
88	Cuyama	Central Coast Valleys	3/31/2013	100	90	0	Y	0	0		9.6	56.4	Y 62	Y 43.3	Y	6.4	210	69	R
88	Cuyama	Central Coast Valleys	3/31/2013	200	90	0		0	0		9.1	53.4	65	42		3	136	68.4	R
88	Cuyama	Central Coast Valleys	3/31/2013	300	90	0		0	0		9.5	53.5	68	43.2		2.6	255	67.8	R
88	Cuyama	Central Coast Valleys	3/31/2013	400	90	0		0	0		9.4	52	71	43		2.7	164	67.2	Y
88	Cuyama	Central Coast Valleys	3/31/2013	500	90	0		0	0		8.7	48.7	74	40.8		3.7	175	66.5	Y
88	Cuyama	Central Coast Valleys	3/31/2013	600	90	0		0	2		9.3	51.5	71	42.6		3.3	213	65.9	Y
88	Cuyama	Central Coast Valleys	3/31/2013	700	90	0		0	140		9.3	50.2	75	42.8		4.2	122	65.3	Y
88	Cuyama	Central Coast Valleys	3/31/2013	800	90	0		0	178		10.6	54.1	74	46.1		5.7	150	64.7	Y
88	Cuyama	Central Coast Valleys	3/31/2013	900	90	0.01		0	680		11.8	55.4	79	49		3.9	240	64.3	Y
88	Cuyama	Central Coast Valleys	3/31/2013	1000	90	0.01		0	805		11.9	56.6	76	49.2		4.4	308	64	Y
88	Cuyama	Central Coast Valleys	3/31/2013	1100	90	0.01		0	1011		10.9	58.1	66	46.7		4.7	260	64.4	Y
88	Cuyama	Central Coast Valleys	3/31/2013	1200	90	0.02		0	1274		11.2	59.6	64	47.5		6.1	213	64.5	Y
88	Cuyama	Central Coast Valleys	3/31/2013	1300	90	0.01		0	992		10.7	60.9	59	46.4		6.1	246	65.7	Y
88	Cuyama	Central Coast Valleys	3/31/2013	1400	90	0.01		0.01	919		12	58.9	71	49.3		5.5	273		S
88	Cuyama	Central Coast Valleys	3/31/2013	1500	90	0.01		0	641		12.2	57.4	76	49.9		8.1	288		S
88	Cuyama	Central Coast Valleys	3/31/2013	1600	90	0.01		0	438		11.3	57.9	69	47.8		6.2	277	68.7	R
88	Cuyama	Central Coast Valleys	3/31/2013	1700	90	0		0	389		10.7	59	63	46.3		5.5	305	67	Y
88	Cuyama	Central Coast Valleys	3/31/2013	1800	90	0.01		0	394		10.1	59.1	59	44.8		7.2	290	67	Y
88	Cuyama	Central Coast Valleys	3/31/2013	1900	90	0		0	22		9.5	55.6	63	43.2		5.7	294	67	Y
88	Cuyama	Central Coast Valleys	3/31/2013	2000	90	0		0	0		9.4	52.4	70	42.9		6.8	258	66.8	Y
88	Cuyama	Central Coast Valleys	3/31/2013	2100	90	0		0	0		9.1	50.2	74	42.2		4.2	263	66.4	Y
88	Cuyama	Central Coast Valleys	3/31/2013	2200	90	0		0	0		8.8	48.1	77	41.3		4.6	257	65.8	Y
88	Cuyama	Central Coast Valleys	3/31/2013	2300	90	0		0	0		8.7	47.2	78	40.8		3.6	257	65.2	Y
88	Cuyama	Central Coast Valleys	3/31/2013	2400	90	0		0	0		8.1	43.8	83	38.9		3.1	219	64.5	Y
88	Cuyama	Central Coast Valleys	4/1/2013	100	91	0		0	0		7.7	41.8	86	37.8		2.4	134	63.8	
88	Cuyama	Central Coast Valleys	4/1/2013	200	91	0		0	0		7.3	39.7	88	36.5		3.1	164	63	
88	Cuyama	Central Coast Valleys	4/1/2013	300	91	0		0	0		7.4	39.5	89	36.8		3.7	175	62.3	
88	Cuyama	Central Coast Valleys	4/1/2013	400	91	0		0	0		7.1	38.8	89	35.9		3.7	122	61.6	
88	Cuyama	Central Coast Valleys	4/1/2013	500	91	0		0	0		7.7	40.7	89	37.7		4.7	110	60.9	
88	Cuyama	Central Coast Valleys	4/1/2013	600	91	0		0	3		7.5	40.3	88	37		4.6	104	60.2	
88	Cuyama	Central Coast Valleys	4/1/2013	700	91	0		0	118		7.8	41.2	88	38		3.3	96	59.6	
88	Cuyama	Central Coast Valleys	4/1/2013	800	91	0		0	490		8.6	45.3	84	40.7		3.5	90	59.1	
88	Cuyama	Central Coast Valleys	4/1/2013	900	91	0.01		0	954		9.3	52.4	69	42.5		4.1	86	58.8	
88	Cuyama	Central Coast Valleys	4/1/2013	1000	91	0.02		0	1438		9.1	56.5	58	42.1		4.2	284	58.7	
88	Cuyama	Central Coast Valleys	4/1/2013	1100	91	0.02		0	1720		8.9	59.3	52	41.6		5.8	264	59.3	
88	Cuyama	Central Coast Valleys	4/1/2013	1200	91	0.02		0	1982		8.7	62	46	40.8		5.6	304	60.4	
88	Cuyama	Central Coast Valleys	4/1/2013	1300	91	0.02		0	1671		8.9	62.8	46	41.5		6.8	353	62	
88	Cuyama	Central Coast Valleys	4/1/2013	1400	91	0.02		0	1551		8.6	64.3	42	40.7		5.6	320	63.6	
88	Cuyama	Central Coast Valleys	4/1/2013	1500	91	0.02		0	1755	Y	8.7	66.4	39	40.9		7.1	294	65.1	

88	Cuyama	Central Coast Valleys	4/1/2013	1600	91	0.02		0	1410	Y	8.9	65.8	41	41.5	7.6	306	66.5		
88	Cuyama	Central Coast Valleys	4/1/2013	1700	91	0.01	R	0	1062	R	9.4	65.1	44	42.9	7.7	297	67.9		
88	Cuyama	Central Coast Valleys	4/1/2013	1800	91	0.01		0	293		10.1	61.3	55	44.8	8.5	288	68.9		
88	Cuyama	Central Coast Valleys	4/1/2013	1900	91	0		0	15		10.2	56.9	64	45	9.3	284	69.5		
88	Cuyama	Central Coast Valleys	4/1/2013	2000	91	0		0	0		10.2	53.7	73	45.1	8.2	276	69.7		
88	Cuyama	Central Coast Valleys	4/1/2013	2100	91	0		0	0		10	50.8	79	44.6	6.4	283	69.5		
88	Cuyama	Central Coast Valleys	4/1/2013	2200	91	0		0	0		9.7	48.6	83	43.8	4	263	69		
88	Cuyama	Central Coast Valleys	4/1/2013	2300	91	0		0	0		9.2	46.5	86	42.4	3.4	247	68.3		
88	Cuyama	Central Coast Valleys	4/1/2013	2400	91	0		0	0		8.8	45.1	86	41.1	1.6	170	67.6		
88	Cuyama	Central Coast Valleys	4/2/2013	100	92	0		0	0		8.5	44.2	87	40.4	1	88	66.7		
88	Cuyama	Central Coast Valleys	4/2/2013	200	92	0		0	0		8.3	43.2	87	39.8	1.7	146	65.9		
88	Cuyama	Central Coast Valleys	4/2/2013	300	92	0		0	0		8.1	42.1	89	39	2	139	65.1		
88	Cuyama	Central Coast Valleys	4/2/2013	400	92	0		0	0		9	44.7	89	41.7	2.6	162	64.3		
88	Cuyama	Central Coast Valleys	4/2/2013	500	92	0		0	0		9.6	47	88	43.5	2.6	78	63.6		
88	Cuyama	Central Coast Valleys	4/2/2013	600	92	0		0	2		10.5	49.8	86	45.8	4.8	16	63		
88	Cuyama	Central Coast Valleys	4/2/2013	700	92	0		0	65		10.8	51.2	84	46.5	7.1	10	62.5		
88	Cuyama	Central Coast Valleys	4/2/2013	800	92	0		0	134		10.8	51.5	83	46.6	5.5	6	62		
88	Cuyama	Central Coast Valleys	4/2/2013	900	92	0.01		0	630		10.9	53.4	78	46.9	5.9	105	61.8		
88	Cuyama	Central Coast Valleys	4/2/2013	1000	92	0.01		0	1196		10.7	56.5	69	46.4	5.1	105	61.6		
88	Cuyama	Central Coast Valleys	4/2/2013	1100	92	0.02		0	1823		10.5	60.1	59	45.9	6.8	128	61.8		
88	Cuyama	Central Coast Valleys	4/2/2013	1200	92	0.02		0	1873		10.4	63.1	53	45.7	6.6	101	62.4		
88	Cuyama	Central Coast Valleys	4/2/2013	1300	92	0.02		0	1875		9.8	65.2	46	44.1	5.3	6	63.6		
88	Cuyama	Central Coast Valleys	4/2/2013	1400	92	0.02		0	1766		9.8	66.8	43	43.9	8.2	348	65		
88	Cuyama	Central Coast Valleys	4/2/2013	1500	92	0.02		0	1524		9	67.3	40	41.9	9.5	346	66.5		
88	Cuyama	Central Coast Valleys	4/2/2013	1600	92	0.02		0	1203		9	66.8	40	41.8	10.6	346	68		
88	Cuyama	Central Coast Valleys	4/2/2013	1700	92	0.01		0	771		8.9	65.6	41	41.5	10.1	3	69.4		
88	Cuyama	Central Coast Valleys	4/2/2013	1800	92	0		0	311		8.6	63.8	43	40.6	9.1	6	70.3		
88	Cuyama	Central Coast Valleys	4/2/2013	1900	92	0		0	13		8.8	59.5	51	41.3	6.1	54	70.7		
88	Cuyama	Central Coast Valleys	4/2/2013	2000	92	0		0	0		9	55.4	60	41.8	5.3	136	70.6		
88	Cuyama	Central Coast Valleys	4/2/2013	2100	92	0		0	0		8.5	53	62	40.3	5.2	162	70.2		
88	Cuyama	Central Coast Valleys	4/2/2013	2200	92	0		0	0		8.1	50.5	65	39.2	3.7	123	69.6		
88	Cuyama	Central Coast Valleys	4/2/2013	2300	92	0		0	0		8.3	46.6	76	39.6	3.3	101	68.9		
88	Cuyama	Central Coast Valleys	4/2/2013	2400	92	0		0	0		8.2	44.9	81	39.5	2.1	115	68.1		
88	Cuyama	Central Coast Valleys	4/3/2013	100	93	0		0	0		7.9	43.9	81	38.4	2.2	139	67.3		
88	Cuyama	Central Coast Valleys	4/3/2013	200	93	0		0	0		7.4	42.4	81	36.9	2.5	87	66.4		
88	Cuyama	Central Coast Valleys	4/3/2013	300	93	0		0	0		7.6	41.9	84	37.4	3.7	111	65.6		
88	Cuyama	Central Coast Valleys	4/3/2013	400	93	0		0	0		7.8	42.3	84	38	4.5	90	64.8		
88	Cuyama	Central Coast Valleys	4/3/2013	500	93	0		0	0		7.5	41.3	85	37.1	3.7	113	64		
88	Cuyama	Central Coast Valleys	4/3/2013	600	93	0		0	6		7.3	40.6	85	36.5	5.1	106	63.3		
88	Cuyama	Central Coast Valleys	4/3/2013	700	93	0		0	205		7.6	42.3	83	37.5	5.7	107	62.5		
88	Cuyama	Central Coast Valleys	4/3/2013	800	93	0.01		0	649		8.7	49.8	71	40.8	6.3	92	61.9		
88	Cuyama	Central Coast Valleys	4/3/2013	900	93	0.01		0	951		9.4	58.2	57	42.9	4.4	85	61.4		
88	Cuyama	Central Coast Valleys	4/3/2013	1000	93	0.02		0	1425		9.6	63.8	47	43.3	3.3	94	61.4		
88	Cuyama	Central Coast Valleys	4/3/2013	1100	93	0.02		0	1679		9.5	67.6	41	43.3	3.7	127	62		
88	Cuyama	Central Coast Valleys	4/3/2013	1200	93	0.02		0	1627		9.5	70.5	37	43.2	4.9	118	63.1		
88	Cuyama	Central Coast Valleys	4/3/2013	1300	93	0.03		0	1914		9.9	73.3	35	44.2	4.2	337	64.6		
88	Cuyama	Central Coast Valleys	4/3/2013	1400	93	0.02		0	1757		9.8	75.2	33	44	5.5	100	66.2		
88	Cuyama	Central Coast Valleys	4/3/2013	1500	93	0.02		0	1479		9.7	78	29	43.6	4.1	75	67.8		
88	Cuyama	Central Coast Valleys	4/3/2013	1600	93	0.02		0	1046		10.3	77.3	32	45.4	7.9	87	69.4	Y	
88	Cuyama	Central Coast Valleys	4/3/2013	1700	93	0.01		0	603		10.5	74.6	36	45.8	6.9	17	70.7	Y	
88	Cuyama	Central Coast Valleys	4/3/2013	1800	93	0		0	247		11.2	71.8	42	47.5	6.2	119	71.5	Y	
88	Cuyama	Central Coast Valleys	4/3/2013	1900	93	0		0	23		10.6	68.1	45	46	3.8	159	72	Y	
88	Cuyama	Central Coast Valleys	4/3/2013	2000	93	0		0	0		10.7	63.2	54	46.4	5.3	272	72	Y	
88	Cuyama	Central Coast Valleys	4/3/2013	2100	93	0		0	0		10.6	60	60	46	4.8	277	71.7	Y	
88	Cuyama	Central Coast Valleys	4/3/2013	2200	93	0		0	0		10.2	57.6	63	45	3.4	268	71.3	Y	
88	Cuyama	Central Coast Valleys	4/3/2013	2300	93	0		0	0		9.7	53.3	70	43.7	4	131	70.7	Y	
88	Cuyama	Central Coast Valleys	4/3/2013	2400	93	0		0	0		9.3	50.8	73	42.5	4.1	173	70		
88	Cuyama	Central Coast Valleys	4/4/2013	100	94	0		0	0		8.3	48.4	72	39.8	2.3	245	69.3		
88	Cuyama	Central Coast Valleys	4/4/2013	200	94	0		0	0		8.3	47.1	75	39.7	2.6	172	68.5		
88	Cuyama	Central Coast Valleys	4/4/2013	300	94	0		0	0		8.5	47.4	76	40.2	2.9	142	67.7		
88	Cuyama	Central Coast Valleys	4/4/2013	400	94	0		0	0		7.8	46	74	38.2	1.8	141	67		
88	Cuyama	Central Coast Valleys	4/4/2013	500	94	0		0	0		8.6	46.3	80	40.5	2.7	123	66.2		
88	Cuyama	Central Coast Valleys	4/4/2013	600	94	0		0	1		9.2	49.7	75	42.3	3.1	115	65.5		
88	Cuyama	Central Coast Valleys	4/4/2013	700	94	0		0	30		9	50.5	72	41.9	1.6	316	64.9		
88	Cuyama	Central Coast Valleys	4/4/2013	800	94	0		0	121		9.4	51.3	73	42.9	2.5	291	64.4		
88	Cuyama	Central Coast Valleys	4/4/2013	900	94	0		0	512		10.1	55.1	68	44.9	2.5	28	64		
88	Cuyama	Central Coast Valleys	4/4/2013	1000	94	0.01		0	704		10.3	59.4	60	45.4	2.7	67	63.7		
88	Cuyama	Central Coast Valleys	4/4/2013	1100	94	0.02		0	1704		11	64.2	53	47	3.8	81	63.8		
88	Cuyama	Central Coast Valleys	4/4/2013	1200	94	0.02		0	1875		12	68.1	51	49.4	4.8	310	64.2		
88	Cuyama	Central Coast Valleys	4/4/2013	1300	94	0.01		0	1009		12	68.6	50	49.4	6.7	334	65.4		
88	Cuyama	Central Coast Valleys	4/4/2013	1400	94	0.02		0	1319		11.6	69.7	47	48.5	6.4	353	66.8		
88	Cuyama	Central Coast Valleys	4/4/2013	1500	94	0.01		0	851		11.3	69.8	45	47.7	7.7	20	68		
88	Cuyama	Central Coast Valleys	4/4/2013	1600	94	0		0	230		10.9	68.1	46	46.7	4	341	69.2	Y	
88	Cuyama	Central Coast Valleys	4/4/2013	1700	94	0.01		0	435		10.7	68.6	45	46.3	6.7	327	69.9	Y	
88	Cuyama	Central Coast Valleys	4/4/2013	1800	94	0.01		0	423		11.2	67.6	49	47.6	7.1	352	70.3		
88	Cuyama	Central Coast Valleys	4/4/2013	1900	94	0		0	41		11.9	62.9	61	49.1	6.4	287	70.5		
88	Cuyama	Central Coast Valleys	4/4/2013	2000	94	0		0	0		12	58.6	71	49.4	8.5	275	70.5		
88	Cuyama	Central Coast Valleys	4/4/2013	2100	94	0		0	0		12.1	55.9	79	49.5	8.1	277	70.3		
88	Cuyama	Central Coast Valleys	4/4/2013	2200	94	0		0	0		11.9	54.8	81	49.1	6.4	276	69.9		
88	Cuyama	Central Coast Valleys	4/4/2013	2300	94	0		0	0		11.8	54.1	82	48.8	5.3	280	69.4		
88	Cuyama	Central Coast Valleys	4/4/2013	2400	94	0		0	0		11.7	53.1	85	48.6	3.3	275	68.8		
88	Cuyama	Central Coast Valleys	4/5/2013	100	95	0		0	0		11.8	52.8	87	49	3.5	271	68.3		
88	Cuyama	Central Coast Valleys	4/5/2013	200	95	0		0	0		11.7	52.3	88	48.7	1.8	320	67.7		
88	Cuyama	Central Coast Valleys	4/5/2013	300	95	0		0	0		11.7	52	88	48.6	1.4	303	67.2		
88	Cuyama	Central Coast Valleys	4/5/2013	400	95	0		0	0		11.8	52.4	88	49	2.1	137	66.7		

88	Cuyama	Central Coast Valleys	4/5/2013	500	95	0	0	0	11.8	52.9	86	49	2	143	66.3		
88	Cuyama	Central Coast Valleys	4/5/2013	600	95	0	0	2	11.8	53.2	86	49	1.9	32	65.9		
88	Cuyama	Central Coast Valleys	4/5/2013	700	95	0	0	61	11.9	53.7	85	49.2	3.5	88	65.5		
88	Cuyama	Central Coast Valleys	4/5/2013	800	95	0	0	175	12.3	54.4	85	50	7.5	86	65.1		
88	Cuyama	Central Coast Valleys	4/5/2013	900	95	0	0	246	12.3	52.9	90	50.1	9	88	64.8		
88	Cuyama	Central Coast Valleys	4/5/2013	1000	95	0	0	410	12.5	53.1	91	50.4	7.8	96	64.6		
88	Cuyama	Central Coast Valleys	4/5/2013	1100	95	0.01	0	641	12.5	54.9	85	50.5	4	111	64.4		
88	Cuyama	Central Coast Valleys	4/5/2013	1200	95	0.02	0	1726	12.4	60	70	50.2	4.1	132	64.4		
88	Cuyama	Central Coast Valleys	4/5/2013	1300	95	0.02	0	1859	12.1	63	61	49.5	8.4	113	64.7		
88	Cuyama	Central Coast Valleys	4/5/2013	1400	95	0.02	0	1551	11.6	64.2	57	48.5	7.1	120	65.5		
88	Cuyama	Central Coast Valleys	4/5/2013	1500	95	0.01	0	1033	11.8	64.2	57	48.8	8.7	76	66.6		
88	Cuyama	Central Coast Valleys	4/5/2013	1600	95	0.01	0	615	11.4	62.8	59	48.1	10	25	67.6		
88	Cuyama	Central Coast Valleys	4/5/2013	1700	95	0.01	0	525	11.3	61.9	60	47.9	7.7	5	68.3		
88	Cuyama	Central Coast Valleys	4/5/2013	1800	95	0	0	274	11.1	60.8	61	47.3	5	6	68.8		
88	Cuyama	Central Coast Valleys	4/5/2013	1900	95	0	0	16	11.1	57.8	68	47.2	5.5	77	69		
88	Cuyama	Central Coast Valleys	4/5/2013	2000	95	0	0	0	10.9	54.5	75	46.8	4.4	113	69		
88	Cuyama	Central Coast Valleys	4/5/2013	2100	95	0	0	0	10.5	52.3	78	45.7	5.2	146	68.7		
88	Cuyama	Central Coast Valleys	4/5/2013	2200	95	0	0	0	10.1	51.8	77	44.9	3.7	174	68.3		
88	Cuyama	Central Coast Valleys	4/5/2013	2300	95	0	0	0	10	51.3	77	44.4	2.6	63	67.7		
88	Cuyama	Central Coast Valleys	4/5/2013	2400	95	0	0	0	9.4	48.2	82	42.9	2.5	107	67.1		
88	Cuyama	Central Coast Valleys	4/6/2013	100	96	0	0	0	9.2	47.3	83	42.5	2.5	195	66.5		
88	Cuyama	Central Coast Valleys	4/6/2013	200	96	0	0	0	8.6	45.4	83	40.6	2.3	173	65.9		
88	Cuyama	Central Coast Valleys	4/6/2013	300	96	0	0	0	9.7	48	85	43.8	4.8	126	65.3		
88	Cuyama	Central Coast Valleys	4/6/2013	400	96	0	0	0	10.6	50.7	84	46	5.1	113	64.7		
88	Cuyama	Central Coast Valleys	4/6/2013	500	96	0	0	0	10.7	51.8	81	46.3	6.4	20	64.1		
88	Cuyama	Central Coast Valleys	4/6/2013	600	96	0	0	2	10.5	51	82	45.7	4.7	79	63.6		
88	Cuyama	Central Coast Valleys	4/6/2013	700	96	0	0	111	10.6	51	83	46.2	7	121	63.3		
88	Cuyama	Central Coast Valleys	4/6/2013	800	96	0	0	275	10.6	52.3	79	46.1	5.2	119	62.9		
88	Cuyama	Central Coast Valleys	4/6/2013	900	96	0.01	0	640	10.2	53.8	72	45.1	5.5	12	62.7		
88	Cuyama	Central Coast Valleys	4/6/2013	1000	96	0.02	0	1315	10.1	56.7	64	44.8	10.6	122	62.7		
88	Cuyama	Central Coast Valleys	4/6/2013	1100	96	0.02	0	1561	10.1	58.4	61	44.8	10.2	124	62.8		
88	Cuyama	Central Coast Valleys	4/6/2013	1200	96	0.02	0	1846	10	61.6	54	44.6	7.9	125	63.4		
88	Cuyama	Central Coast Valleys	4/6/2013	1300	96	0.02	0	1852	9.7	64.1	48	43.8	5.9	66	64.4		
88	Cuyama	Central Coast Valleys	4/6/2013	1400	96	0.02	0	1747	8.6	66.6	39	40.7	7.2	359	65.6		
88	Cuyama	Central Coast Valleys	4/6/2013	1500	96	0.02	0	1481	8.6	68.1	37	40.7	12.3	353	66.9		
88	Cuyama	Central Coast Valleys	4/6/2013	1600	96	0.02	0	1164	8	67.4	35	38.8	13.5	351	68.3		
88	Cuyama	Central Coast Valleys	4/6/2013	1700	96	0.01	0	693	7.7	66.2	35	37.7	12.7	0	69.4		
88	Cuyama	Central Coast Valleys	4/6/2013	1800	96	0.01	0	345	7.8	64.5	38	38.1	10.6	351	70.1		
88	Cuyama	Central Coast Valleys	4/6/2013	1900	96	0	0	17	8	61.3	43	38.8	6.3	353	70.4		
88	Cuyama	Central Coast Valleys	4/6/2013	2000	96	0	0	0	8.7	56.4	56	41	3.5	72	70.4		
88	Cuyama	Central Coast Valleys	4/6/2013	2100	96	0	0	0	8.8	54.3	61	41.1	4.4	117	70		
88	Cuyama	Central Coast Valleys	4/6/2013	2200	96	0	0	0	8.7	51.5	67	40.9	4.1	134	69.4		
88	Cuyama	Central Coast Valleys	4/6/2013	2300	96	0	0	0	8.2	50.4	68	39.4	3.4	205	68.8		
88	Cuyama	Central Coast Valleys	4/6/2013	2400	96	0	0	0	9.1	54.3	63	42.2	3.3	297	68.1		
88	Cuyama	Central Coast Valleys	4/7/2013	100	97	0	0	0	11.3	55.1	76	47.8	7.9	345	67.4		
88	Cuyama	Central Coast Valleys	4/7/2013	200	97	0	0	0	10.7	53.5	77	46.4	7.2	352	66.8		
88	Cuyama	Central Coast Valleys	4/7/2013	300	97	0	0	0	10.2	52	77	45	5.2	14	66.3		
88	Cuyama	Central Coast Valleys	4/7/2013	400	97	0	0	0	9.9	50.8	78	44.2	5.6	73	65.8		
88	Cuyama	Central Coast Valleys	4/7/2013	500	97	0	0	0	9.8	50.7	77	43.9	4.8	104	65.2		
88	Cuyama	Central Coast Valleys	4/7/2013	600	97	0	0	5	9.4	50.8	75	43	5.5	82	64.7		
88	Cuyama	Central Coast Valleys	4/7/2013	700	97	0	0	135	9.8	50.9	77	44	5.1	130	64.2		
88	Cuyama	Central Coast Valleys	4/7/2013	800	97	0	0	324	10	52.3	75	44.5	6.4	125	63.8		
88	Cuyama	Central Coast Valleys	4/7/2013	900	97	0.01	0	658	9.3	54.1	65	42.8	5.4	21	63.4		
88	Cuyama	Central Coast Valleys	4/7/2013	1000	97	0.02	0	1250	8.9	57.3	55	41.4	7.2	5	63.2		
88	Cuyama	Central Coast Valleys	4/7/2013	1100	97	0.02	0	1487	8.4	60.2	47	39.9	8.2	356	63.4		
88	Cuyama	Central Coast Valleys	4/7/2013	1200	97	0.02	0	1856	8.2	62.9	42	39.3	8	3	64		
88	Cuyama	Central Coast Valleys	4/7/2013	1300	97	0.03	0	1863	8.4	65.9	39	40.1	10.7	345	65.1		
88	Cuyama	Central Coast Valleys	4/7/2013	1400	97	0.03	0	1662	8.7	67.6	38	40.9	11.3	347	66.5		
88	Cuyama	Central Coast Valleys	4/7/2013	1500	97	0.02	0	1543	8.6	67.9	37	40.6	10.6	357	67.8		
88	Cuyama	Central Coast Valleys	4/7/2013	1600	97	0.02	0	1170	8.4	68.2	36	39.9	9.9	8	69		
88	Cuyama	Central Coast Valleys	4/7/2013	1700	97	0.01	0	752	8	67.9	34	38.9	9.2	358	70.1	Y	
88	Cuyama	Central Coast Valleys	4/7/2013	1800	97	0.01	0	293	7.9	66.2	36	38.5	9.4	354	70.7	Y	
88	Cuyama	Central Coast Valleys	4/7/2013	1900	97	0	0	22	8.9	60.9	49	41.5	6.3	109	71	Y	
88	Cuyama	Central Coast Valleys	4/7/2013	2000	97	0	0	0	8.4	57.2	53	40.1	2.9	236	71		
88	Cuyama	Central Coast Valleys	4/7/2013	2100	97	0	0	0	9.5	56.3	61	43.1	4.1	277	70.6		
88	Cuyama	Central Coast Valleys	4/7/2013	2200	97	0	0	0	9.9	54.7	68	44.4	5.4	283	70		
88	Cuyama	Central Coast Valleys	4/7/2013	2300	97	0	0	0	9.8	52.6	73	44.1	5.4	287	69.4		
88	Cuyama	Central Coast Valleys	4/7/2013	2400	97	0	0	0	9.7	50.9	76	43.8	5.7	269	68.7		
88	Cuyama	Central Coast Valleys	4/8/2013	100	98	0	0	0	9	47.9	80	41.9	2.8	284	68		
88	Cuyama	Central Coast Valleys	4/8/2013	200	98	0	0	0	8.9	47.2	80	41.5	5.5	267	67.3		
88	Cuyama	Central Coast Valleys	4/8/2013	300	98	0	0	0	8.9	46.1	83	41.4	2.9	303	66.6		
88	Cuyama	Central Coast Valleys	4/8/2013	400	98	0	0	0	8.5	45.2	83	40.4	3.5	298	65.9		
88	Cuyama	Central Coast Valleys	4/8/2013	500	98	0	0	0	7.7	44.4	77	37.8	6.3	304	65.2		
88	Cuyama	Central Coast Valleys	4/8/2013	600	98	0	0	12	7.5	44.1	76	37	5.8	283	64.5		
88	Cuyama	Central Coast Valleys	4/8/2013	700	98	0	0	251	6.2	43.3	65	32.3	7.9	290	63.9		
88	Cuyama	Central Coast Valleys	4/8/2013	800	98	0	0	423	5.8	43.8	59	30.5	8.6	292	63.3		
88	Cuyama	Central Coast Valleys	4/8/2013	900	98	0.01	0	632	6.6	45.3	64	33.8	9.3	313	62.9		
88	Cuyama	Central Coast Valleys	4/8/2013	1000	98	0.01	0	878	7.1	47	64	35.6	8.7	329	62.6		
88	Cuyama	Central Coast Valleys	4/8/2013	1100	98	0.01	0	1150	7.5	49	63	37	10.9	319	62.6		
88	Cuyama	Central Coast Valleys	4/8/2013	1200	98	0.01	0	714	7.1	49.1	60	35.9	11.8	325	62.9		
88	Cuyama	Central Coast Valleys	4/8/2013	1300	98	0.02	0	1540	6.9	51	54	35.1	12.3	330	63.4		
88	Cuyama	Central Coast Valleys	4/8/2013	1400	98	0.01	0	1021	6.5	52.9	47	33.4	12	326	63.8		
88	Cuyama	Central Coast Valleys	4/8/2013	1500	98	0.01	0	892	5.8	54.2	41	30.9	14.3	329	64.5		
88	Cuyama	Central Coast Valleys	4/8/2013	1600	98	0.02	0	1035	5.6	56.7	36	29.8	16.2	332	65.1		
88	Cuyama	Central Coast Valleys	4/8/2013	1700	98	0.01	0	711	5.4	56.4	35	29.2	17.6	336	65.6		

88	Cuyama	Central Coast Valleys	4/8/2013	1800	98	0.01	0	324	5.2	55.1	35	27.9	15.2	329	66		
88	Cuyama	Central Coast Valleys	4/8/2013	1900	98	0	0	25	5.3	53	39	28.4	10.3	326	66.2		
88	Cuyama	Central Coast Valleys	4/8/2013	2000	98	0	0	0	5.3	51.3	41	28.4	8.8	315	66.1		
88	Cuyama	Central Coast Valleys	4/8/2013	2100	98	0	0	0	5.1	49.9	42	27.8	6.1	311	65.7		
88	Cuyama	Central Coast Valleys	4/8/2013	2200	98	0	0	0	5	47.2	45	27	3.5	296	65.2		
88	Cuyama	Central Coast Valleys	4/8/2013	2300	98	0	0	0	4.6	42.4	50	24.9	2.6	238	64.6		
88	Cuyama	Central Coast Valleys	4/8/2013	2400	98	0	0	0	5.3	42.1	58	28.4	3.4	253	63.9		
88	Cuyama	Central Coast Valleys	4/9/2013	100	99	0	0	0	5.1	37.4	67	27.3	3.6	134	63.2		
88	Cuyama	Central Coast Valleys	4/9/2013	200	99	0	0	0	5.3	35.2	76	28.3	3.6	137	62.4		
88	Cuyama	Central Coast Valleys	4/9/2013	300	99	0	0	0	5	34.2	75	27.3	4	154	61.7		
88	Cuyama	Central Coast Valleys	4/9/2013	400	99	0	0	0	4.6	31.7	77	25.3	3.2	146	60.9		
88	Cuyama	Central Coast Valleys	4/9/2013	500	99	0	0	0	4.6	30.7	80	25.3	2.9	131	60.2		
88	Cuyama	Central Coast Valleys	4/9/2013	600	99	0	0	11	4.9	31.6	81	26.4	4	162	59.4		
88	Cuyama	Central Coast Valleys	4/9/2013	700	99	0	0	267	5.3	35.9	74	28.6	3.6	118	58.7		
									Averages	32.8	77	26.6	3.5				
88	Cuyama	Central Coast Valleys	4/9/2013	800	99	0.01	0	694	6.2	44.6	62	32.4	2.7	41	58		
88	Cuyama	Central Coast Valleys	4/9/2013	900	99	0.01	0	1121	6	50.8	47	31.5	3.5	315	57.6		
88	Cuyama	Central Coast Valleys	4/9/2013	1000	99	0.02	0	1499	5.1	55.3	34	27.7	8.9	333	57.8		
88	Cuyama	Central Coast Valleys	4/9/2013	1100	99	0.02	0	1770	4.5	57.6	28	24.7	12	338	58.5		
88	Cuyama	Central Coast Valleys	4/9/2013	1200	99	0.03	0	1916	4.6	59.1	27	24.9	11.9	336	59.8		
88	Cuyama	Central Coast Valleys	4/9/2013	1300	99	0.03	0	1937	4.6	61	25	25	11.4	336	61.5		
88	Cuyama	Central Coast Valleys	4/9/2013	1400	99	0.02	0	1825	4.6	62.1	24	25.3	10.1	331	63.1		
88	Cuyama	Central Coast Valleys	4/9/2013	1500	99	0.02	0	1584	4.7	62.8	24	25.8	10.4	335	64.6		
88	Cuyama	Central Coast Valleys	4/9/2013	1600	99	0.02	0	1242	4.8	62.7	25	26.2	12.1	342	66		
88	Cuyama	Central Coast Valleys	4/9/2013	1700	99	0.01	0	815	4.9	62.3	26	26.6	11	334	67.2		
88	Cuyama	Central Coast Valleys	4/9/2013	1800	99	0.01	0	377	5.2	61	29	28.2	9.4	333	67.9		
88	Cuyama	Central Coast Valleys	4/9/2013	1900	99	0	0	30	5.2	57.7	32	27.9	8.1	350	68.2		
88	Cuyama	Central Coast Valleys	4/9/2013	2000	99	0	0	0	5	54.8	34	27	6	5	68.1		
88	Cuyama	Central Coast Valleys	4/9/2013	2100	99	0	0	0	5	49.3	42	27.1	3.5	109	74.3	Y	
88	Cuyama	Central Coast Valleys	4/9/2013	2200	99	0	0	0	5	46	48	27.3	5.7	190		S	
88	Cuyama	Central Coast Valleys	4/9/2013	2300	99	0	0	0	5.5	43.5	57	29.3	4.2	118		S	
88	Cuyama	Central Coast Valleys	4/9/2013	2400	99	0	0	0	5.7	40.7	66	30.4	5.7	129		S	
88	Cuyama	Central Coast Valleys	4/10/2013	100	100	0	0	0	5.7	39.3	70	30.4	4.2	101	82.4	R	
88	Cuyama	Central Coast Valleys	4/10/2013	200	100	0	0	0	5.8	38.8	72	30.6	4.7	115	77.9	R	
88	Cuyama	Central Coast Valleys	4/10/2013	300	100	0	0	0	5.5	37.7	71	29.3	4.4	132	75.3	Y	
88	Cuyama	Central Coast Valleys	4/10/2013	400	100	0	0	0	5.6	36.4	76	29.7	5.1	111	71.9	Y	
88	Cuyama	Central Coast Valleys	4/10/2013	500	100	0	0	0	5.5	37.2	73	29.5	6.7	111	71	Y	
88	Cuyama	Central Coast Valleys	4/10/2013	600	100	0	0	13	5.3	35.7	74	28.3	4.9	119	71.3	Y	
88	Cuyama	Central Coast Valleys	4/10/2013	700	100	0	0	284	5.8	39.2	71	30.6	6.5	99	62.3		
88	Cuyama	Central Coast Valleys	4/10/2013	800	100	0.01	0	705	6.4	48.9	54	33.2	5.9	94	68.7	Y	
88	Cuyama	Central Coast Valleys	4/10/2013	900	100	0.01	0	1137	6.2	58.8	37	32.5	3.2	88	54.6		
88	Cuyama	Central Coast Valleys	4/10/2013	1000	100	0.02	0	1505	5.8	63.8	29	30.7	3.8	124	54.2		
88	Cuyama	Central Coast Valleys	4/10/2013	1100	100	0.02	0	1772	5.5	67.2	24	29.3	4.5	161	55.2		
88	Cuyama	Central Coast Valleys	4/10/2013	1200	100	0.03	0	1916	5.3	70	21	28.3	5.1	149	56.8		
88	Cuyama	Central Coast Valleys	4/10/2013	1300	100	0.03	0	1933	4.9	72.6	18	26.7	7.1	348	58.6		
88	Cuyama	Central Coast Valleys	4/10/2013	1400	100	0.03	0	1819	5	74.5	17	27.1	10.1	345	60.3		
88	Cuyama	Central Coast Valleys	4/10/2013	1500	100	0.03	0	1590	5.5	75.5	18	29.3	9.8	339	61.9		
88	Cuyama	Central Coast Valleys	4/10/2013	1600	100	0.02	0	1255	5	74.7	17	27.1	11.2	330	63.4		
88	Cuyama	Central Coast Valleys	4/10/2013	1700	100	0.01	0	840	5.4	73.5	19	29	7.5	328	64.7		
88	Cuyama	Central Coast Valleys	4/10/2013	1800	100	0.01	0	392	5.3	71.8	20	28.7	7.8	337	65.6		
88	Cuyama	Central Coast Valleys	4/10/2013	1900	100	0	0	33	4.9	67.5	21	26.7	4.9	8	66.1		
88	Cuyama	Central Coast Valleys	4/10/2013	2000	100	0	0	0	5.4	62.1	28	29	3.7	111	66.2		
88	Cuyama	Central Coast Valleys	4/10/2013	2100	100	0	0	0	5.6	59.4	32	29.9	5	92	65.8		
88	Cuyama	Central Coast Valleys	4/10/2013	2200	100	0	0	0	6.7	54.1	47	34.2	6.5	132	65.2		
88	Cuyama	Central Coast Valleys	4/10/2013	2300	100	0	0	0	6.5	51.4	50	33.5	5	95	64.4		
88	Cuyama	Central Coast Valleys	4/10/2013	2400	100	0	0	0	6.8	49.1	57	34.7	5.5	122	63.6		
88	Cuyama	Central Coast Valleys	4/11/2013	100	101	0	0	0	7	48.1	61	35.3	5	118	62.7		
88	Cuyama	Central Coast Valleys	4/11/2013	200	101	0	0	0	7	46.3	65	35.2	3.5	140	61.9		
88	Cuyama	Central Coast Valleys	4/11/2013	300	101	0	0	0	7.1	45.7	68	35.8	5.1	115	61		
88	Cuyama	Central Coast Valleys	4/11/2013	400	101	0	0	0	7	44.3	70	35.2	4.4	126	60.2		
88	Cuyama	Central Coast Valleys	4/11/2013	500	101	0	0	0	6.9	43.5	71	34.9	3.3	140	59.5		
88	Cuyama	Central Coast Valleys	4/11/2013	600	101	0	0	8	6.4	42.3	70	33.2	3.2	220	58.7		
88	Cuyama	Central Coast Valleys	4/11/2013	700	101	0	0	274	7.5	47.3	67	37.1	4.2	100	58		
88	Cuyama	Central Coast Valleys	4/11/2013	800	101	0.01	0	689	8.5	55.8	56	40.3	4.3	50	57.5		
88	Cuyama	Central Coast Valleys	4/11/2013	900	101	0.01	0	1101	8.8	61.2	47	41.1	3.9	88	57.1		
88	Cuyama	Central Coast Valleys	4/11/2013	1000	101	0.02	0	1466	8.7	66.3	39	40.8	4.4	102	57.4		
88	Cuyama	Central Coast Valleys	4/11/2013	1100	101	0.02	0	1733	8.5	68.9	35	40.5	6.3	80	58.2		
88	Cuyama	Central Coast Valleys	4/11/2013	1200	101	0.03	0	1885	8.9	70	36	41.6	10.5	101	59.5		
88	Cuyama	Central Coast Valleys	4/11/2013	1300	101	0.03	0	1894	9	71.4	34	41.8	7.6	21	61		
88	Cuyama	Central Coast Valleys	4/11/2013	1400	101	0.03	0	1788	9	72.4	33	41.8	8.9	348	62.5		
88	Cuyama	Central Coast Valleys	4/11/2013	1500	101	0.03	0	1551	9.2	73.1	33	42.4	13.3	352	64		
88	Cuyama	Central Coast Valleys	4/11/2013	1600	101	0.02	0	1174	9.3	71.8	35	42.6	14.7	350	65.5		
88	Cuyama	Central Coast Valleys	4/11/2013	1700	101	0.01	0	719	9.2	70.3	36	42.3	14.1	343	66.7		
88	Cuyama	Central Coast Valleys	4/11/2013	1800	101	0.01	0	261	9	67.9	39	41.9	13.4	344	67.5		
88	Cuyama	Central Coast Valleys	4/11/2013	1900	101	0	0	29	9	65.3	42	41.7	8.8	352	67.8		
88	Cuyama	Central Coast Valleys	4/11/2013	2000	101	0	0	0	9	62.5	46	41.7	5.4	2	67.7		
88	Cuyama	Central Coast Valleys	4/11/2013	2100	101	0	0	0	8.8	57.6	54	41.1	3.5	168	67.3		
88	Cuyama	Central Coast Valleys	4/11/2013	2200	101	0	0	0	8.7	55	59	41	4.3	170	66.7		
88	Cuyama	Central Coast Valleys	4/11/2013	2300	101	0	0	0	9	53.4	65	41.8	6.4	159	66.1		
88	Cuyama	Central Coast Valleys	4/11/2013	2400	101	0	0	0	8.7	52.4	65	40.8	5.9	155	65.3		
88	Cuyama	Central Coast Valleys	4/12/2013	100	102	0	0	0	8.4	49	71	40.1	2.9	65	64.6		
88	Cuyama	Central Coast Valleys	4/12/2013	200	102	0	0	0	7.9	47.2	71	38.3	2.4	132	63.8		
88	Cuyama	Central Coast Valleys	4/12/2013	300	102	0	0	0	7.8	46	74	38.3	3.5	44	63.1		
88	Cuyama	Central Coast Valleys	4/12/2013	400	102	0	0	0	8.1	44.7	80	39	5.1	89	62.3		
88	Cuyama	Central Coast Valleys	4/12/2013	500	102	0	0	0	7.8	43.2	82	38.1	4.5	126	61.6		

88	Cuyama	Central Coast Valleys	4/12/2013	600	102	0	0	16	7.7	42.2	84	37.7	3.9	112	60.9		
88	Cuyama	Central Coast Valleys	4/12/2013	700	102	0	0	271	8.5	45.8	81	40.2	5.5	90	60.1		
88	Cuyama	Central Coast Valleys	4/12/2013	800	102	0.01	0	688	9.5	53.4	68	43.2	6.1	75	59.5		
88	Cuyama	Central Coast Valleys	4/12/2013	900	102	0.01	0	1110	9.5	61.4	51	43.2	4.4	107	59.1		
88	Cuyama	Central Coast Valleys	4/12/2013	1000	102	0.02	0	1470	8.7	65.9	40	40.8	4.4	151	59.2		
88	Cuyama	Central Coast Valleys	4/12/2013	1100	102	0.02	0	1737	8.8	69.3	36	41.2	5.6	158	59.9		
88	Cuyama	Central Coast Valleys	4/12/2013	1200	102	0.03	0	1887	9.3	72.2	34	42.5	5	106	61.2		
88	Cuyama	Central Coast Valleys	4/12/2013	1300	102	0.03	0	1906	9.2	74.8	31	42.3	4.9	117	62.9		
88	Cuyama	Central Coast Valleys	4/12/2013	1400	102	0.03	0	1803	9.1	76.9	29	42.2	6.1	353	64.6		
88	Cuyama	Central Coast Valleys	4/12/2013	1500	102	0.02	0	1555	8.9	77.1	28	41.4	7.4	347	66.2		
88	Cuyama	Central Coast Valleys	4/12/2013	1600	102	0.02	0	1203	8.9	77.6	27	41.4	7.5	343	67.9		
88	Cuyama	Central Coast Valleys	4/12/2013	1700	102	0.01	0	802	8.8	76.4	28	41.3	10.1	344	69.4		
88	Cuyama	Central Coast Valleys	4/12/2013	1800	102	0.01	0	357	9.5	73.9	33	43.3	7.2	72	70.4		
88	Cuyama	Central Coast Valleys	4/12/2013	1900	102	0	0	34	9.9	69	41	44.2	4.4	109	70.9	Y	
88	Cuyama	Central Coast Valleys	4/12/2013	2000	102	0	0	0	9.5	65.5	44	43.3	3.1	194	70.8		
88	Cuyama	Central Coast Valleys	4/12/2013	2100	102	0	0	0	9.1	61.1	49	42	3.2	248	70.4		
88	Cuyama	Central Coast Valleys	4/12/2013	2200	102	0	0	0	8.4	56.8	54	40.2	2.2	227	69.9		
88	Cuyama	Central Coast Valleys	4/12/2013	2300	102	0	0	0	8.8	53.7	63	41.3	3.8	135	69.2		
88	Cuyama	Central Coast Valleys	4/12/2013	2400	102	0	0	0	9.4	52.3	70	42.8	4.1	117	68.5		
88	Cuyama	Central Coast Valleys	4/13/2013	100	103	0	0	0	9	49.3	75	41.9	5.2	114	67.6		
88	Cuyama	Central Coast Valleys	4/13/2013	200	103	0	0	0	8.7	47.9	77	41	4	94	66.8		
88	Cuyama	Central Coast Valleys	4/13/2013	300	103	0	0	0	8.5	47	77	40.2	4.6	103	65.9		
88	Cuyama	Central Coast Valleys	4/13/2013	400	103	0	0	0	8.1	46.7	75	39.2	5.3	106	65.1		
88	Cuyama	Central Coast Valleys	4/13/2013	500	103	0	0	0	7.9	45	78	38.6	4.9	114	64.3		
88	Cuyama	Central Coast Valleys	4/13/2013	600	103	0	0	18	7.9	44.6	79	38.4	5.3	103	63.4		
88	Cuyama	Central Coast Valleys	4/13/2013	700	103	0	0	290	8.5	48.2	74	40.2	6.3	78	62.7		
88	Cuyama	Central Coast Valleys	4/13/2013	800	103	0.01	0	712	9.4	57	59	42.8	6.7	84	62		
88	Cuyama	Central Coast Valleys	4/13/2013	900	103	0.01	0	1131	9.5	66	43	43.1	4.3	64	61.5		
88	Cuyama	Central Coast Valleys	4/13/2013	1000	103	0.02	0	1462	9.7	71.5	37	43.9	2.9	311	61.6		
88	Cuyama	Central Coast Valleys	4/13/2013	1100	103	0.02	0	1757	8.7	74.4	30	40.8	4.5	26	62.5		
88	Cuyama	Central Coast Valleys	4/13/2013	1200	103	0.03	0	1912	8.3	76.7	27	39.8	5.6	341	63.9		
88	Cuyama	Central Coast Valleys	4/13/2013	1300	103	0.03	0	1904	8.2	78.7	24	39.4	4.9	138	65.8		
88	Cuyama	Central Coast Valleys	4/13/2013	1400	103	0.03	0	1755	8.8	80.2	25	41.3	5.9	305	67.4		
88	Cuyama	Central Coast Valleys	4/13/2013	1500	103	0.03	0	1518	7.4	80.2	21	36.8	9.7	318	69	Y	
88	Cuyama	Central Coast Valleys	4/13/2013	1600	103	0.02	0	1190	9.3	79	28	42.7	9.1	295	70.7	Y	
88	Cuyama	Central Coast Valleys	4/13/2013	1700	103	0.01	0	798	9.2	75.9	30	42.5	10.4	284	72.1	Y	
88	Cuyama	Central Coast Valleys	4/13/2013	1800	103	0.01	0	388	8.9	72.1	33	41.5	10.3	284	73.1	Y	
88	Cuyama	Central Coast Valleys	4/13/2013	1900	103	0	0	36	8.4	65.8	39	40	9.8	275	73.4	Y	
88	Cuyama	Central Coast Valleys	4/13/2013	2000	103	0	0	0	8.9	61.4	48	41.5	8.2	272	73.1	Y	
88	Cuyama	Central Coast Valleys	4/13/2013	2100	103	0	0	0	8.5	59.7	49	40.4	6.7	262	72.6	Y	
88	Cuyama	Central Coast Valleys	4/13/2013	2200	103	0	0	0	8.7	56.4	56	40.9	2.3	5	71.9	Y	
88	Cuyama	Central Coast Valleys	4/13/2013	2300	103	0	0	0	8.1	52.1	61	39	3.7	180	71	Y	
88	Cuyama	Central Coast Valleys	4/13/2013	2400	103	0	0	0	7.5	50	61	37.2	1.8	3	70.1		
88	Cuyama	Central Coast Valleys	4/14/2013	100	104	0	0	0	7.4	48.1	65	36.8	4.1	168	69.2		
88	Cuyama	Central Coast Valleys	4/14/2013	200	104	0	0	0	7.2	46	68	36.1	2.2	115	68.2		
88	Cuyama	Central Coast Valleys	4/14/2013	300	104	0	0	0	7.4	45.4	71	36.7	3.6	242	67.3		
88	Cuyama	Central Coast Valleys	4/14/2013	400	104	0	0	0	7.2	44.4	72	36.1	2.9	166	66.4		
88	Cuyama	Central Coast Valleys	4/14/2013	500	104	0	0	0	7.3	43.6	76	36.6	3.7	109	65.5		
88	Cuyama	Central Coast Valleys	4/14/2013	600	104	0	0	13	7.7	43.5	80	37.7	3	82	64.6		
88	Cuyama	Central Coast Valleys	4/14/2013	700	104	0	0	294	9	50.3	72	41.7	3.5	149	63.8		
88	Cuyama	Central Coast Valleys	4/14/2013	800	104	0.01	0	721	9.4	58	57	42.8	6.8	128	63		
88	Cuyama	Central Coast Valleys	4/14/2013	900	104	0.01	0	1143	9.3	61.6	50	42.8	7.2	97	62.6		
88	Cuyama	Central Coast Valleys	4/14/2013	1000	104	0.02	0	1503	9.4	64.2	46	43	6.2	99	62.6		
88	Cuyama	Central Coast Valleys	4/14/2013	1100	104	0.02	0	1764	9.3	66.3	42	42.6	6.8	110	63.2		
88	Cuyama	Central Coast Valleys	4/14/2013	1200	104	0.03	0	1904	9.2	68.7	38	42.2	6.2	5	64.3		
88	Cuyama	Central Coast Valleys	4/14/2013	1300	104	0.03	0	1920	8.7	70.3	34	40.9	9.8	348	65.8		
88	Cuyama	Central Coast Valleys	4/14/2013	1400	104	0.03	0	1813	8.4	71.8	32	40.1	8.8	9	67.2		
88	Cuyama	Central Coast Valleys	4/14/2013	1500	104	0.02	0	1588	8	73.4	28	38.7	8.7	352	68.6	Y	
88	Cuyama	Central Coast Valleys	4/14/2013	1600	104	0.02	0	1246	7.6	74.2	26	37.6	12.7	342	69.9	Y	
88	Cuyama	Central Coast Valleys	4/14/2013	1700	104	0.01	0	838	7	73.9	25	35.4	9.4	335	71.1	Y	
88	Cuyama	Central Coast Valleys	4/14/2013	1800	104	0.01	0	387	7.8	71.1	30	38.2	7.5	316	71.9	Y	
88	Cuyama	Central Coast Valleys	4/14/2013	1900	104	0	0	38	9.3	65.4	43	42.7	6.8	286	72.3	Y	
88	Cuyama	Central Coast Valleys	4/14/2013	2000	104	0	0	0	9.5	60.9	52	43.1	5.4	279	72.3	Y	
88	Cuyama	Central Coast Valleys	4/14/2013	2100	104	0	0	0	9.4	58.1	57	43	3.9	298	72	Y	
88	Cuyama	Central Coast Valleys	4/14/2013	2200	104	0	0	0	8.1	57.2	51	39.1	4.9	281	71.4	Y	
88	Cuyama	Central Coast Valleys	4/14/2013	2300	104	0	0	0	7.3	54.9	50	36.6	5	284	70.7	Y	
88	Cuyama	Central Coast Valleys	4/14/2013	2400	104	0	0	0	7.2	51.5	55	36.1	3.3	326	69.9		
88	Cuyama	Central Coast Valleys	4/15/2013	100	105	0	0	0	7.3	51.1	57	36.3	2	264	69		
88	Cuyama	Central Coast Valleys	4/15/2013	200	105	0	0	0	7	48.1	61	35.3	3	259	68.2		
88	Cuyama	Central Coast Valleys	4/15/2013	300	105	0	0	0	6.6	44.5	66	33.9	2	217	67.3		
88	Cuyama	Central Coast Valleys	4/15/2013	400	105	0	0	0	6.3	42.4	68	32.8	2.2	215	66.4		
88	Cuyama	Central Coast Valleys	4/15/2013	500	105	0	0	0	6.4	41.4	72	33.1	2.7	231	65.6		
88	Cuyama	Central Coast Valleys	4/15/2013	600	105	0	0	23	6.5	41	75	33.6	2	266	64.7		
88	Cuyama	Central Coast Valleys	4/15/2013	700	105	0	0	315	7.2	44.2	72	36	2.4	304	63.8		
88	Cuyama	Central Coast Valleys	4/15/2013	800	105	0.01	0	706	7.8	49.2	66	38.3	3.2	48	63.1		
88	Cuyama	Central Coast Valleys	4/15/2013	900	105	0.01	0	1171	8.4	53.8	60	40.2	4.1	89	62.7		
88	Cuyama	Central Coast Valleys	4/15/2013	1000	105	0.02	0	1540	8.4	56.7	54	40.1	3.5	110	62.7		
88	Cuyama	Central Coast Valleys	4/15/2013	1100	105	0.02	0	1803	8.2	59.6	47	39.4	4.8	343	63.3		
88	Cuyama	Central Coast Valleys	4/15/2013	1200	105	0.02	0	1953	7.4	63.1	37	38.6	5.9	324	64.5		
88	Cuyama	Central Coast Valleys	4/15/2013	1300	105	0.03	0	1982	4.9	66.1	22	26.6	8.8	295	66.1		
88	Cuyama	Central Coast Valleys	4/15/2013	1400	105	0.03	0	1871	5	66.9	22	27	8.9	291	67.4		
88	Cuyama	Central Coast Valleys	4/15/2013	1500	105	0.02	0	1635	4.6	66.2	21	25.2	9.4	289	68.7	Y	
88	Cuyama	Central Coast Valleys	4/15/2013	1600	105	0.02	0	1292	5.4	65.3	26	29.2	10	280	70	Y	
88	Cuyama	Central Coast Valleys	4/15/2013	1700	105	0.01	0	868	5.5	62.7	28	29.6	10.1	286	71	Y	
88	Cuyama	Central Coast Valleys	4/15/2013	1800	105	0.01	0	428	5.8	58	35	30.6	10.2	289	71.5	Y	

88	Cuyama	Central Coast Valleys	4/15/2013	1900	105	0	0	43	6.6	52.5	49	34	9.6	274	71.6	Y
88	Cuyama	Central Coast Valleys	4/15/2013	2000	105	0	0	0	7.1	48.8	60	35.7	10.1	263	71.3	Y
88	Cuyama	Central Coast Valleys	4/15/2013	2100	105	0	0	0	7.1	46.1	67	35.7	6.8	265	70.6	
88	Cuyama	Central Coast Valleys	4/15/2013	2200	105	0	0	0	6.9	42.4	75	35.1	7.5	279	69.7	
88	Cuyama	Central Coast Valleys	4/15/2013	2300	105	0	0	0	6.8	40.4	79	34.5	7.7	274	68.7	
88	Cuyama	Central Coast Valleys	4/15/2013	2400	105	0	0	0	6.4	39.8	77	33.1	6.4	287	67.7	
88	Cuyama	Central Coast Valleys	4/16/2013	100	106	0	0	0	5.2	38.1	66	27.8	5.2	300	66.7	
88	Cuyama	Central Coast Valleys	4/16/2013	200	106	0	0	0	4.6	34.9	66	24.9	4.3	323	65.7	
88	Cuyama	Central Coast Valleys	4/16/2013	300	106	0	0	0	4.7	34.1	70	25.6	3.4	281	64.8	
88	Cuyama	Central Coast Valleys	4/16/2013	400	106	0	0	0	4.7	33.2	73	25.6	2.2	188	63.8	
88	Cuyama	Central Coast Valleys	4/16/2013	500	106	0	0	0	4.8	32.3	77	26	3	178	62.8	
88	Cuyama	Central Coast Valleys	4/16/2013	600	106	0	0	9	5	34.3	74	27.1	1.9	5	61.8	
									Averages	34	72	25.8	3.0			
88	Cuyama	Central Coast Valleys	4/16/2013	700	106	0	0	175	5.2	37	70	28.2	1.3	280	61	
88	Cuyama	Central Coast Valleys	4/16/2013	800	106	0.01	0	735	5.6	41.8	62	29.9	2.1	19	60.3	
88	Cuyama	Central Coast Valleys	4/16/2013	900	106	0.01	0	1225	5.7	45.6	55	30.4	4.7	4	59.8	
88	Cuyama	Central Coast Valleys	4/16/2013	1000	106	0.02	0	1376	5.5	48.6	48	29.8	8.9	334	59.8	
88	Cuyama	Central Coast Valleys	4/16/2013	1100	106	0.02	0	1759	5.4	51.5	42	29	11.1	335	60.4	
88	Cuyama	Central Coast Valleys	4/16/2013	1200	106	0.02	0	1968	5.2	54.1	37	28.2	13.3	339	61.5	
88	Cuyama	Central Coast Valleys	4/16/2013	1300	106	0.03	0	1964	5	56.1	32	27	13.5	339	62.9	
88	Cuyama	Central Coast Valleys	4/16/2013	1400	106	0.02	0	1850	4.8	57.7	30	26.3	12.3	339	64	
88	Cuyama	Central Coast Valleys	4/16/2013	1500	106	0.02	0	1476	4.2	58.6	25	22.9	13.2	329	65	
88	Cuyama	Central Coast Valleys	4/16/2013	1600	106	0.02	0	922	3.6	58.7	21	19.2	14.4	337	66	
88	Cuyama	Central Coast Valleys	4/16/2013	1700	106	0.01	0	367	2.9	57	18	14.3	14.2	339	66.9	
88	Cuyama	Central Coast Valleys	4/16/2013	1800	106	0.01	0	251	2.6	56.4	17	12	12.9	336	67.3	
88	Cuyama	Central Coast Valleys	4/16/2013	1900	106	0.01	0	23	2.1	54.9	15	7.4	12.3	330	67.2	
88	Cuyama	Central Coast Valleys	4/16/2013	2000	106	0	0	0	2.2	52.9	16	8.6	10.9	325	66.9	
88	Cuyama	Central Coast Valleys	4/16/2013	2100	106	0	0	0	2.8	50.8	22	13.4	12.4	330	66.3	
88	Cuyama	Central Coast Valleys	4/16/2013	2200	106	0	0	0	2.9	49.6	24	14.7	11.2	328	65.7	
88	Cuyama	Central Coast Valleys	4/16/2013	2300	106	0	0	0	2.9	49.8	24	14.2	9.9	320	65	
88	Cuyama	Central Coast Valleys	4/16/2013	2400	106	0	0	0	3.1	47.2	28	15.6	4.6	281	64.2	
88	Cuyama	Central Coast Valleys	4/17/2013	100	107	0	0	0	3.6	44.5	36	19.2	4	266	63.5	
88	Cuyama	Central Coast Valleys	4/17/2013	200	107	0	0	0	3.6	40.9	42	19.6	2.4	237	62.7	
88	Cuyama	Central Coast Valleys	4/17/2013	300	107	0	0	0	3.9	39.6	47	21.2	2.2	273	61.9	
88	Cuyama	Central Coast Valleys	4/17/2013	400	107	0	0	0	4	37.9	52	21.7	1.9	333	61.1	
88	Cuyama	Central Coast Valleys	4/17/2013	500	107	0	0	0	4.1	34.9	59	22.2	4.2	164	60.4	
88	Cuyama	Central Coast Valleys	4/17/2013	600	107	0	0	29	4.1	33.5	64	22.5	5.5	153	59.6	
88	Cuyama	Central Coast Valleys	4/17/2013	700	107	0	0	343	4.6	37.3	61	25.2	4.4	95	58.7	
									Averages	35.9	59	23	4.0			
88	Cuyama	Central Coast Valleys	4/17/2013	800	107	0.01	0	773	4.8	46.1	45	26	3.8	107	58	
88	Cuyama	Central Coast Valleys	4/17/2013	900	107	0.01	0	1198	4.3	51.4	33	23.2	4	339	57.6	
88	Cuyama	Central Coast Valleys	4/17/2013	1000	107	0.02	0	1563	4	53.9	28	22	9.2	338	57.8	
88	Cuyama	Central Coast Valleys	4/17/2013	1100	107	0.02	0	1819	4.1	56.4	26	22.2	9.8	345	58.6	
88	Cuyama	Central Coast Valleys	4/17/2013	1200	107	0.03	0	1960	3.7	58.1	23	20.2	13.5	340	59.9	
88	Cuyama	Central Coast Valleys	4/17/2013	1300	107	0.03	0	1972	3.8	59.3	22	20.5	11.7	344	61.4	
88	Cuyama	Central Coast Valleys	4/17/2013	1400	107	0.03	0	1844	3.9	60.2	22	20.9	12	335	62.6	
88	Cuyama	Central Coast Valleys	4/17/2013	1500	107	0.02	0	1617	3.8	60.4	21	20.5	11.6	336	63.7	
88	Cuyama	Central Coast Valleys	4/17/2013	1600	107	0.02	0	1278	3.4	60.4	19	17.8	11.2	333	64.9	
88	Cuyama	Central Coast Valleys	4/17/2013	1700	107	0.01	0	862	3.2	60	18	16.8	10.3	339	66	
88	Cuyama	Central Coast Valleys	4/17/2013	1800	107	0.01	0	424	2.9	58.7	17	14.1	10.5	337	66.8	
88	Cuyama	Central Coast Valleys	4/17/2013	1900	107	0	0	46	2.8	55.1	19	13.3	7.4	343	67.1	
88	Cuyama	Central Coast Valleys	4/17/2013	2000	107	0	0	0	2.8	51.6	22	13.5	4.8	5	67	
88	Cuyama	Central Coast Valleys	4/17/2013	2100	107	0	0	0	3.9	47.4	35	21.4	5	115	66.6	
88	Cuyama	Central Coast Valleys	4/17/2013	2200	107	0	0	0	4.1	44.3	41	22.4	5.4	98	65.9	
88	Cuyama	Central Coast Valleys	4/17/2013	2300	107	0	0	0	4	38.1	52	21.9	3.8	71	65.1	
88	Cuyama	Central Coast Valleys	4/17/2013	2400	107	0	0	0	3.8	38	48	20.3	3.8	138	64.2	
88	Cuyama	Central Coast Valleys	4/18/2013	100	108	0	0	0	3.8	37.5	50	20.7	4.3	99	63.4	
88	Cuyama	Central Coast Valleys	4/18/2013	200	108	0	0	0	4.3	36.1	59	23.3	6.2	121	62.5	
88	Cuyama	Central Coast Valleys	4/18/2013	300	108	0	0	0	4.2	34.4	63	23.1	3.9	110	61.6	
88	Cuyama	Central Coast Valleys	4/18/2013	400	108	0	0	0	4	34	60	21.7	6	97	60.7	
88	Cuyama	Central Coast Valleys	4/18/2013	500	108	0	0	0	4	32.7	63	21.5	5.6	120	59.9	
88	Cuyama	Central Coast Valleys	4/18/2013	600	108	0	0	30	4	32.7	63	21.7	6	108	59.1	
88	Cuyama	Central Coast Valleys	4/18/2013	700	108	0	0	341	4.1	37.9	53	22.1	7.4	92	58.2	
									Averages	34.3	60	22.0	5.8			
88	Cuyama	Central Coast Valleys	4/18/2013	800	108	0.01	0	767	4.4	46.5	41	24.2	6.2	96	57.5	
88	Cuyama	Central Coast Valleys	4/18/2013	900	108	0.01	0	1197	4.3	54.9	29	23.4	4.5	101	57.1	
88	Cuyama	Central Coast Valleys	4/18/2013	1000	108	0.02	0	1559	3.5	60.4	19	18.5	5.2	143	57.2	
88	Cuyama	Central Coast Valleys	4/18/2013	1100	108	0.02	0	1817	3.8	64.6	18	20.5	4.1	32	57.9	
88	Cuyama	Central Coast Valleys	4/18/2013	1200	108	0.03	0	1958	4.1	67	18	22.4	4.5	352	59.3	
88	Cuyama	Central Coast Valleys	4/18/2013	1300	108	0.03	0	1968	4	68.7	17	21.8	6.6	357	61.1	
88	Cuyama	Central Coast Valleys	4/18/2013	1400	108	0.03	0	1854	3.9	69.9	16	21	6.8	331	62.7	
88	Cuyama	Central Coast Valleys	4/18/2013	1500	108	0.02	0	1613	3.9	70.2	16	21.3	9.2	0	64.2	
88	Cuyama	Central Coast Valleys	4/18/2013	1600	108	0.02	0	1266	3.6	69.8	15	19.5	9.9	351	65.7	
88	Cuyama	Central Coast Valleys	4/18/2013	1700	108	0.01	0	851	3.5	68.8	14	18.5	10.9	352	67	
88	Cuyama	Central Coast Valleys	4/18/2013	1800	108	0.01	0	406	4	66	18	21.7	11.7	349	67.9	
88	Cuyama	Central Coast Valleys	4/18/2013	1900	108	0	0	46	4.3	62.1	23	23.7	7.5	349	68.3	
88	Cuyama	Central Coast Valleys	4/18/2013	2000	108	0	0	0	4.4	57.9	27	24.1	4.9	113	68.3	
88	Cuyama	Central Coast Valleys	4/18/2013	2100	108	0	0	0	4.8	52.4	36	26.3	5.5	153	67.9	
88	Cuyama	Central Coast Valleys	4/18/2013	2200	108	0	0	0	4.7	49.5	39	25.6	5.1	157	67.4	
88	Cuyama	Central Coast Valleys	4/18/2013	2300	108	0	0	0	4.5	48.1	39	24.6	3.2	133	66.7	
88	Cuyama	Central Coast Valleys	4/18/2013	2400	108	0	0	0	4.7	43	50	25.5	3.2	161	65.9	
88	Cuyama	Central Coast Valleys	4/19/2013	100	109	0	0	0	4.8	41.4	54	25.9	3.8	94	65.1	
88	Cuyama	Central Coast Valleys	4/19/2013	200	109	0	0	0	4.8	40.3	56	25.9	5.3	125	64.3	
88	Cuyama	Central Coast Valleys	4/19/2013	300	109	0	0	0	4.8	39.2	59	26.3	6	112	63.4	
88	Cuyama	Central Coast Valleys	4/19/2013	400	109	0	0	0	4.4	39.4	54	24.3	7.2	91	62.6	

88	Cuyama	Central Coast Valleys	4/19/2013	500	109	0	0	0	4.5	38	58	24.5	5.5	125	61.8		
88	Cuyama	Central Coast Valleys	4/19/2013	600	109	0	0	33	4.5	37.4	59	24.6	6	117	60.9		
88	Cuyama	Central Coast Valleys	4/19/2013	700	109	0	0	350	4.8	42.6	52	26.1	6.2	83	60.2		
88	Cuyama	Central Coast Valleys	4/19/2013	800	109	0.01	0	774	5.1	52.1	38	27.5	5.7	92	59.5		
88	Cuyama	Central Coast Valleys	4/19/2013	900	109	0.01	0	1192	4.9	61.1	27	26.5	4	117	59.1		
88	Cuyama	Central Coast Valleys	4/19/2013	1000	109	0.02	0	1549	5	65.9	23	26.9	3.9	114	59.3		
88	Cuyama	Central Coast Valleys	4/19/2013	1100	109	0.02	0	1805	5.1	69.7	20	27.4	4.8	109	60.1		
88	Cuyama	Central Coast Valleys	4/19/2013	1200	109	0.03	0	1931	5.3	72	20	28.6	7.1	355	61.5		
88	Cuyama	Central Coast Valleys	4/19/2013	1300	109	0.03	0	1943	5	72.6	18	26.9	9	1	63.2		
88	Cuyama	Central Coast Valleys	4/19/2013	1400	109	0.03	0	1832	5.1	73.7	18	27.4	8.7	358	64.7		
88	Cuyama	Central Coast Valleys	4/19/2013	1500	109	0.02	0	1602	5.2	74.3	18	28.2	9.2	353	66.1		
88	Cuyama	Central Coast Valleys	4/19/2013	1600	109	0.02	0	1267	4.7	74.8	16	25.7	11.2	353	67.5		
88	Cuyama	Central Coast Valleys	4/19/2013	1700	109	0.01	0	862	4.9	73.1	18	26.5	10.7	338	68.8		
88	Cuyama	Central Coast Valleys	4/19/2013	1800	109	0.01	0	429	5.3	70.9	21	28.6	11	346	69.7		
88	Cuyama	Central Coast Valleys	4/19/2013	1900	109	0	0	46	5.2	67.7	23	28.1	6.4	354	70.1		
88	Cuyama	Central Coast Valleys	4/19/2013	2000	109	0	0	0	5.5	61	30	29.4	4.6	114	70.1		
88	Cuyama	Central Coast Valleys	4/19/2013	2100	109	0	0	0	5.9	56.7	38	31.1	5.1	124	69.8		
88	Cuyama	Central Coast Valleys	4/19/2013	2200	109	0	0	0	4.9	53.3	35	26.5	1.7	174	69.3		
88	Cuyama	Central Coast Valleys	4/19/2013	2300	109	0	0	0	5.8	50	47	30.6	4.1	109	68.6		
88	Cuyama	Central Coast Valleys	4/19/2013	2400	109	0	0	0	6.1	47.3	55	31.8	3.6	124	67.9		
88	Cuyama	Central Coast Valleys	4/20/2013	100	110	0	0	0	5.8	47.5	52	30.8	4.2	143	67.1		
88	Cuyama	Central Coast Valleys	4/20/2013	200	110	0	0	0	6.3	44.5	63	32.8	4	103	66.3		
88	Cuyama	Central Coast Valleys	4/20/2013	300	110	0	0	0	6.3	43.7	65	32.8	4	119	65.5		
88	Cuyama	Central Coast Valleys	4/20/2013	400	110	0	0	0	6.2	42.8	67	32.4	3.6	107	64.7		
88	Cuyama	Central Coast Valleys	4/20/2013	500	110	0	0	0	6.2	42	68	32.2	3.3	90	63.9		
88	Cuyama	Central Coast Valleys	4/20/2013	600	110	0	0	32	6.3	42.1	69	32.6	4.3	104	63.2		
88	Cuyama	Central Coast Valleys	4/20/2013	700	110	0	0	342	7.4	53.2	53	36.6	4.5	127	62.5		
88	Cuyama	Central Coast Valleys	4/20/2013	800	110	0.01	0	763	8.8	62.8	45	41.3	8.4	30	61.9		
88	Cuyama	Central Coast Valleys	4/20/2013	900	110	0.02	0	1177	9.4	65	45	43	10	356	61.6		
88	Cuyama	Central Coast Valleys	4/20/2013	1000	110	0.02	0	1538	9.2	68.4	39	42.3	5.7	40	61.9		
88	Cuyama	Central Coast Valleys	4/20/2013	1100	110	0.03	0	1797	8.8	70.8	34	41.3	6.5	68	62.7		
88	Cuyama	Central Coast Valleys	4/20/2013	1200	110	0.03	0	1933	8.8	73.2	32	41.3	5.7	10	64.1		
88	Cuyama	Central Coast Valleys	4/20/2013	1300	110	0.03	0	1951	8.2	75.2	27	39.3	6.5	354	65.7		
88	Cuyama	Central Coast Valleys	4/20/2013	1400	110	0.03	0	1854	7.4	76.3	24	36.9	6.2	338	67.1		
88	Cuyama	Central Coast Valleys	4/20/2013	1500	110	0.02	0	1627	6.6	78.2	20	33.8	6.2	330	68.5	Y	
88	Cuyama	Central Coast Valleys	4/20/2013	1600	110	0.02	0	1275	6.1	78.6	18	32.1	7.8	346	70	Y	
88	Cuyama	Central Coast Valleys	4/20/2013	1700	110	0.01	0	859	5.7	77.3	18	30.2	9.3	350	71.5	Y	
88	Cuyama	Central Coast Valleys	4/20/2013	1800	110	0.01	0	419	6.1	75.2	20	32	9.7	351	72.4	Y	
88	Cuyama	Central Coast Valleys	4/20/2013	1900	110	0	0	47	6	71.1	23	31.6	6.9	357	72.9	Y	
88	Cuyama	Central Coast Valleys	4/20/2013	2000	110	0	0	0	7.3	63.1	37	36.5	5.2	142	72.9	Y	
88	Cuyama	Central Coast Valleys	4/20/2013	2100	110	0	0	0	7.7	59.6	44	37.6	5	152	72.5	Y	
88	Cuyama	Central Coast Valleys	4/20/2013	2200	110	0	0	0	7.1	55.1	48	35.8	2.9	156	71.9	Y	
88	Cuyama	Central Coast Valleys	4/20/2013	2300	110	0	0	0	7.8	51.7	60	38.1	4.1	96	71.2	Y	
88	Cuyama	Central Coast Valleys	4/20/2013	2400	110	0	0	0	7.5	49.5	62	37.1	5.8	115	70.4	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	100	111	0	0	0	7.4	48	64	36.7	5.8	113	69.6		
88	Cuyama	Central Coast Valleys	4/21/2013	200	111	0	0	0	7.2	46.8	66	35.9	5.4	112	68.7		
88	Cuyama	Central Coast Valleys	4/21/2013	300	111	0	0	0	6.9	45.5	67	35.1	5.2	98	67.9		
88	Cuyama	Central Coast Valleys	4/21/2013	400	111	0	0	0	6.5	44.4	65	33.4	3.7	120	67		
88	Cuyama	Central Coast Valleys	4/21/2013	500	111	0	0	0	6.5	43.6	67	33.4	5.7	101	66.2		
88	Cuyama	Central Coast Valleys	4/21/2013	600	111	0	0	37	6.2	43	66	32.4	6.1	101	65.4		
88	Cuyama	Central Coast Valleys	4/21/2013	700	111	0	0	352	6.5	47.9	57	33.5	6.3	84	64.6		
88	Cuyama	Central Coast Valleys	4/21/2013	800	111	0.01	0	774	6.7	57.6	42	34.4	7	70	63.9		
88	Cuyama	Central Coast Valleys	4/21/2013	900	111	0.02	0	1199	7.2	68.4	33	36.1	5.2	69	63.5		
88	Cuyama	Central Coast Valleys	4/21/2013	1000	111	0.02	0	1569	7.2	73.1	26	35.9	4.3	34	63.6		
88	Cuyama	Central Coast Valleys	4/21/2013	1100	111	0.03	0	1819	6.6	78.5	20	34.1	6	4	64.4		
88	Cuyama	Central Coast Valleys	4/21/2013	1200	111	0.03	0	1956	6	80.3	17	31.4	6.5	352	65.9		
88	Cuyama	Central Coast Valleys	4/21/2013	1300	111	0.03	0	1958	6.1	82	16	32	7	350	67.6	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	1400	111	0.03	0	1838	6.3	82.7	17	32.8	8.5	343	69.1	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	1500	111	0.03	0	1596	6.4	82.6	17	33.1	11.3	345	70.5	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	1600	111	0.02	0	1252	7	82.1	19	35.3	10.8	347	71.9	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	1700	111	0.02	0	839	7.4	80.8	21	36.8	10.4	344	73.2	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	1800	111	0.01	0	410	7.1	78.5	21	35.6	8.8	347	74.1	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	1900	111	0	0	48	7.3	73.5	26	36.6	4.3	79	74.5	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	2000	111	0	0	0	7.5	67.1	33	37	4	170	74.5	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	2100	111	0	0	0	6.7	63.1	34	34.3	4.6	197	74.2	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	2200	111	0	0	0	7.2	58.6	43	36	2.8	134	73.6	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	2300	111	0	0	0	7.3	55.3	49	36.4	2.9	149	72.9	Y	
88	Cuyama	Central Coast Valleys	4/21/2013	2400	111	0	0	0	7.2	51.7	55	36	4.6	98	72.1	Y	
88	Cuyama	Central Coast Valleys	4/22/2013	100	112	0	0	0	6.5	49.5	54	33.5	4.6	112	71.3	Y	
88	Cuyama	Central Coast Valleys	4/22/2013	200	112	0	0	0	6.3	48	55	32.7	5.3	107	70.4	Y	
88	Cuyama	Central Coast Valleys	4/22/2013	300	112	0	0	0	6.2	47.5	55	32.2	5.1	95	69.5	Y	
88	Cuyama	Central Coast Valleys	4/22/2013	400	112	0	0	0	5.9	46.2	55	31.1	5.5	108	68.7		
88	Cuyama	Central Coast Valleys	4/22/2013	500	112	0	0	0	5.9	45.6	57	31.2	6.1	104	67.8		
88	Cuyama	Central Coast Valleys	4/22/2013	600	112	0	0	40	5.9	45.3	57	31	6.2	103	67		
88	Cuyama	Central Coast Valleys	4/22/2013	700	112	0	0	362	6.3	50.8	49	32.6	6.5	97	66.2		
88	Cuyama	Central Coast Valleys	4/22/2013	800	112	0.01	0	783	6.8	60.3	38	34.8	6.1	89	65.5		
88	Cuyama	Central Coast Valleys	4/22/2013	900	112	0.02	0	1202	7	69.8	28	35.4	4.5	95	65.1		
88	Cuyama	Central Coast Valleys	4/22/2013	1000	112	0.02	0	1557	6.9	76.4	22	35.1	4.2	139	65.3		
88	Cuyama	Central Coast Valleys	4/22/2013	1100	112	0.03	0	1811	7.2	79	21	36.1	5.2	116	66.1		
88	Cuyama	Central Coast Valleys	4/22/2013	1200	112	0.03	0	1935	7	80.9	20	35.5	5.8	357	67.5	Y	
88	Cuyama	Central Coast Valleys	4/22/2013	1300	112	0.03	0	1956	6.7	82	18	34.4	6.5	3	69.2	Y	
88	Cuyama	Central Coast Valleys	4/22/2013	1400	112	0.03	0	1842	6.5	83.1	17	33.4	5.5	352	70.6	Y	
88	Cuyama	Central Coast Valleys	4/22/2013	1500	112	0.03	0	1600	7.1	83.9	18	35.6	7.2	344	72	Y	
88	Cuyama	Central Coast Valleys	4/22/2013	1600	112	0.02	0	1248	7	82.9	18	35.5	9.1	345	73.5	Y	
88	Cuyama	Central Coast Valleys	4/22/2013	1700	112	0.02	0	839	6.4	81.5	17	33.2	10.3	347	74.8	Y	

88	Cuyama	Central Coast Valleys	4/22/2013	1800	112	0.01		0	408	6.1	79.4	18	31.8	10.2	347	75.7	Y
88	Cuyama	Central Coast Valleys	4/22/2013	1900	112	0		0	50	8.4	72.9	30	40.1	5.8	285	76.1	Y
88	Cuyama	Central Coast Valleys	4/22/2013	2000	112	0		0	0	9	68.1	38	41.8	5.2	275	76.1	Y
88	Cuyama	Central Coast Valleys	4/22/2013	2100	112	0		0	0	9.7	64.1	47	43.7	4.5	261	75.7	Y
88	Cuyama	Central Coast Valleys	4/22/2013	2200	112	0		0	0	9.1	61	50	42.2	3	220	75.2	Y
88	Cuyama	Central Coast Valleys	4/22/2013	2300	112	0		0	0	8.3	57.4	52	39.7	4.3	131	74.5	Y
88	Cuyama	Central Coast Valleys	4/22/2013	2400	112	0		0	0	8.1	53.5	58	39.2	3.3	145	73.7	Y
88	Cuyama	Central Coast Valleys	4/23/2013	100	113	0		0	0	8.1	51.5	62	39.1	3.2	104	72.9	Y
88	Cuyama	Central Coast Valleys	4/23/2013	200	113	0		0	0	8.1	49.6	66	38.9	4.2	103	72	Y
88	Cuyama	Central Coast Valleys	4/23/2013	300	113	0		0	0	7.8	49.9	64	38.1	3.8	120	71.2	Y
88	Cuyama	Central Coast Valleys	4/23/2013	400	113	0		0	0	7.5	49.6	62	37.2	4.4	82	70.3	Y
88	Cuyama	Central Coast Valleys	4/23/2013	500	113	0	Y	0	0	8.8	55.1	Y	46	Y	34.6	Y	8.2	147	69.5	Y
88	Cuyama	Central Coast Valleys	4/23/2013	600	113	0	Y	0	43	6.1	55.3	Y	41	Y	31.9	Y	8.2	146	68.7	Y
88	Cuyama	Central Coast Valleys	4/23/2013	700	113	0.01	Y	0	368	6	61.1	Y	32	Y	31.4	Y	6.5	138	67.9	Y
88	Cuyama	Central Coast Valleys	4/23/2013	800	113	0.01		0	791	5.8	66.6		26		30.7		7	112	67.4	
88	Cuyama	Central Coast Valleys	4/23/2013	900	113	0.02		0	1208	5.4	69.4		22		29.1		6.5	88	67.1	
88	Cuyama	Central Coast Valleys	4/23/2013	1000	113	0.02		0	1567	5.7	73.1		21		30.4		4.9	31	67.2	Y
88	Cuyama	Central Coast Valleys	4/23/2013	1100	113	0.03		0	1821	6	75.3		20		31.7		8.2	87	68	Y
88	Cuyama	Central Coast Valleys	4/23/2013	1200	113	0.03		0	1962	5.9	76.6		19		30.9		8.6	109	69.3	Y
88	Cuyama	Central Coast Valleys	4/23/2013	1300	113	0.03		0	1976	6.4	79		19		33.1		5.6	18	70.6	Y
88	Cuyama	Central Coast Valleys	4/23/2013	1400	113	0.03		0	1854	6.3	80.7		18		32.7		6.1	354	71.8	Y
88	Cuyama	Central Coast Valleys	4/23/2013	1500	113	0.03		0	1611	6.1	81.4		17		32		7.6	345	73	Y
88	Cuyama	Central Coast Valleys	4/23/2013	1600	113	0.02		0	1261	6.1	81.7		16		31.8		8.2	355	74.4	Y
88	Cuyama	Central Coast Valleys	4/23/2013	1700	113	0.02		0	838	6	80.8		17		31.7		8.6	346	75.8	Y
88	Cuyama	Central Coast Valleys	4/23/2013	1800	113	0.01		0	404	7.6	78.3		23		37.6		7.3	301	76.5	Y
88	Cuyama	Central Coast Valleys	4/23/2013	1900	113	0		0	54	8.3	72		31		39.7		8	273	76.9	Y
88	Cuyama	Central Coast Valleys	4/23/2013	2000	113	0		0	0	8.2	66.8		37		39.4		7.2	268	76.9	Y
88	Cuyama	Central Coast Valleys	4/23/2013	2100	113	0		0	0	8.5	62.8		44		40.4		3.2	272	76.6	Y
88	Cuyama	Central Coast Valleys	4/23/2013	2200	113	0		0	0	8.2	58.6		49		39.5		3	202	76	Y
88	Cuyama	Central Coast Valleys	4/23/2013	2300	113	0		0	0	8.4	55.8		55		40		3.9	157	75.3	Y
88	Cuyama	Central Coast Valleys	4/23/2013	2400	113	0		0	0	7.9	52.3		59		38.3		4.6	143	74.4	Y
88	Cuyama	Central Coast Valleys	4/24/2013	100	114	0		0	0	8	50.2		65		38.8		4.5	132	73.6	Y
88	Cuyama	Central Coast Valleys	4/24/2013	200	114	0		0	0	8	49.2		67		38.7		5	127	72.7	Y
88	Cuyama	Central Coast Valleys	4/24/2013	300	114	0		0	0	7.6	48		66		37.4		4.7	92	71.8	Y
88	Cuyama	Central Coast Valleys	4/24/2013	400	114	0		0	0	7.4	47.5		66		36.7		4.7	107	70.9	Y
88	Cuyama	Central Coast Valleys	4/24/2013	500	114	0		0	0	7.2	46.3		68		36.2		5.3	108	70.1	Y
88	Cuyama	Central Coast Valleys	4/24/2013	600	114	0		0	38	7.2	45.8		68		35.9		4.9	108	69.2	Y
88	Cuyama	Central Coast Valleys	4/24/2013	700	114	0		0	270	7.5	50		61		37		6.4	94	68.4	Y
88	Cuyama	Central Coast Valleys	4/24/2013	800	114	0.01		0	620	8.1	57.5		50		39		6.8	110	67.7	Y
88	Cuyama	Central Coast Valleys	4/24/2013	900	114	0.01		0	1116	7.8	66.3		36		38.3		3.3	78	67.2	
88	Cuyama	Central Coast Valleys	4/24/2013	1000	114	0.02		0	1586	7.8	70.1		31		38		5.7	291	67.2	Y
88	Cuyama	Central Coast Valleys	4/24/2013	1100	114	0.03		0	1706	8.4	70.5		33		40.1		8	288	67.8	Y
88	Cuyama	Central Coast Valleys	4/24/2013	1200	114	0.02		0	1204	8.6	72.5		32		40.6		7.3	284	69.1	Y
88	Cuyama	Central Coast Valleys	4/24/2013	1300	114	0.03		0	2038	10	72.5		37		44.7		11.1	285	70.4	Y
88	Cuyama	Central Coast Valleys	4/24/2013	1400	114	0.02		0	1516	10.8	69		45		46.6		12.8	282	71.4	Y
88	Cuyama	Central Coast Valleys	4/24/2013	1500	114	0.02		0	1139	11.1	67.1		49		47.3		12.2	278	72.3	Y
88	Cuyama	Central Coast Valleys	4/24/2013	1600	114	0.01		0	722	11.5	64.7		55		48.3		11.6	282	73.2	Y
88	Cuyama	Central Coast Valleys	4/24/2013	1700	114	0.01		0	448	11.8	61.4		63		48.8		10.7	277	73.7	Y
88	Cuyama	Central Coast Valleys	4/24/2013	1800	114	0		0	192	11.7	57		74		48.6		10.8	282	73.9	Y
88	Cuyama	Central Coast Valleys	4/24/2013	1900	114	0		0	68	11.5	54		81		48.2		9.1	274	73.8	Y
88	Cuyama	Central Coast Valleys	4/24/2013	2000	114	0		0	0	11.3	51.6		86		47.7		7.8	269	73.4	Y
88	Cuyama	Central Coast Valleys	4/24/2013	2100	114	0		0	0	11.2	51		88		47.6		7.1	274	72.8	Y
88	Cuyama	Central Coast Valleys	4/24/2013	2200	114	0		0	0	11.2	51		88		47.6		6.5	268	72.1	Y
88	Cuyama	Central Coast Valleys	4/24/2013	2300	114	0		0	0	11.2	50.8		89		47.5		4.4	275	71.4	Y
88	Cuyama	Central Coast Valleys	4/24/2013	2400	114	0		0	0	11.2	50.8		88		47.5		4.2	269	70.8	Y
88	Cuyama	Central Coast Valleys	4/25/2013	100	115	0		0	0	11.2	50.9		88		47.5		4.3	293	70.1	Y
88	Cuyama	Central Coast Valleys	4/25/2013	200	115	0		0	0	11	50.5		88		47.1		4.8	275	69.5	Y
88	Cuyama	Central Coast Valleys	4/25/2013	300	115	0		0	0	10.9	49.9		89		46.8		4.3	268	69.1	
88	Cuyama	Central Coast Valleys	4/25/2013	400	115	0		0	0	10.8	49.4		90		46.6		4.6	271	68.6	
88	Cuyama	Central Coast Valleys	4/25/2013	500	115	0		0	0	10.8	49.3		90		46.6		4.6	255	68.1	
88	Cuyama	Central Coast Valleys	4/25/2013	600	115	0		0	9	10.7	49.1		90		46.3		3.6	253	67.6	
88	Cuyama	Central Coast Valleys	4/25/2013	700	115	0		0	75	10.7	49.2		90		46.4		3.5	264	67.1	
88	Cuyama	Central Coast Valleys	4/25/2013	800	115	0		0	243	10.9	50.1		88		46.7		2.4	288	66.7	
88	Cuyama	Central Coast Valleys	4/25/2013	900	115	0.01		0	792	11.3	52.8		83		47.7		2.5	314	66.3	
88	Cuyama	Central Coast Valleys	4/25/2013	1000	115	0.02		0	1503	11.6	57.4		72		48.4		3.5	317	66.1	
88	Cuyama	Central Coast Valleys	4/25/2013	1100	115	0.02		0	1764	10.9	63.2		55		48.8		3.6	173	66.5	
88	Cuyama	Central Coast Valleys	4/25/2013	1200	115	0.03		0	1900	10.2	67.8		44		45.1		4.2	302	67.5	Y
88	Cuyama	Central Coast Valleys	4/25/2013	1300	115	0.03		0	1908	10	71.1		39		44.6		4.8	282	68.9	Y
88	Cuyama	Central Coast Valleys	4/25/2013	1400	115	0.03		0	1792	10	73.9		35		44.5		5.2	282	70.1	Y
88	Cuyama	Central Coast Valleys	4/25/2013	1500	115	0.02		0	1557	10.2	75.3		34		45.1		6.7	285	71.3	Y
88	Cuyama	Central Coast Valleys	4/25/2013	1600	115	0.02		0	1221	10.3	75.5		34		45.4		7	289	72.7	Y
88	Cuyama	Central Coast Valleys	4/25/2013	1700	115	0.01		0	816	10.5	73.2		38		45.9		9.7	281	73.9	Y
88	Cuyama	Central Coast Valleys	4/25/2013	1800	115	0.01		0	395	10.5	68.1		45		45.7		9.3	277	74.7	Y
88	Cuyama	Central Coast Valleys	4/25/2013	1900	115	0		0	60	10.1	62.6		52		44.7		7.8	282	75.1	Y
88	Cuyama	Central Coast Valleys	4/25/2013	2000	115	0		0	0	9.9	58.5		59		44.2		6.7	279	75	Y
88	Cuyama	Central Coast Valleys	4/25/2013	2100	115	0		0	0	9.7	56.2		63		43.8		5	265	74.6	Y
88	Cuyama	Central Coast Valleys	4/25/2013	2200	115	0		0	0	9.4	54.3		65		43		3.1	247	74	Y
88	Cuyama	Central Coast Valleys	4/25/2013	2300	115	0		0	0	8.8	50.3		70		41.1		2.9	153	73.2	Y
88	Cuyama	Central Coast Valleys	4/25/2013	2400	115	0		0	0	8.6	48.3		74		40.5		1.3	187	72.4	Y
88	Cuyama	Central Coast Valleys	4/26/2013	100	116	0		0	0	8.4	47.4		75		39.9		3.4	174	71.5	Y
88	Cuyama	Central Coast Valleys	4/26/2013	200	116	0		0	0	8.4	46.7		78		40.2		3.6	104	70.7	Y
88	Cuyama	Central Coast Valleys	4/26/2013	300	116	0		0	0	8.5	47		78		40.4		4.7	129	69.8	Y
88	Cuyama	Central Coast Valleys	4/26/2013	400	116	0		0	0	8.5	45.3		82		40.2		4.2	106	69	Y
88	Cuyama	Central Coast Valleys	4/26/2013	500	116	0		0	0	8.4	44.2		84		39.9		3.9	104	68.2	
88	Cuyama	Central Coast Valleys	4/26/2013	600	116	0		0	50	8.5	44.5		85		40.3		4.4	106	67.5	

88	Cuyama	Central Coast Valleys	4/26/2013	700	116	0		0	363	9.4	49.2	79	42.9	5.8	83	66.7			
88	Cuyama	Central Coast Valleys	4/26/2013	800	116	0.01		0	779	10.7	57.4	66	46.2	4.5	87	66.1			
88	Cuyama	Central Coast Valleys	4/26/2013	900	116	0.01		0	1195	11.1	64.3	54	47.4	3.6	93	65.8			
88	Cuyama	Central Coast Valleys	4/26/2013	1000	116	0.02		0	1553	10.2	69.4	41	45	3.7	172	65.9			
88	Cuyama	Central Coast Valleys	4/26/2013	1100	116	0.03		0	1803	9.1	73	33	42	5.2	155	66.7			
88	Cuyama	Central Coast Valleys	4/26/2013	1200	116	0.03		0	1933	7.6	76.3	24	37.4	7.4	3	68	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	1300	116	0.03		0	1945	7.2	77.5	22	36.1	7.6	357	69.6	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	1400	116	0.03		0	1830	7.5	78.4	23	37	8.6	4	70.9	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	1500	116	0.03		0	1588	7.9	79	23	38.5	9.3	354	72.1	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	1600	116	0.02		0	1253	7.1	79	21	35.9	9.2	352	73.5	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	1700	116	0.02		0	848	7.3	78.1	22	36.3	9.7	350	74.8	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	1800	116	0.01		0	414	7.9	76.1	26	38.5	9.5	358	75.7	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	1900	116	0		0	65	9	71	35	41.7	6.7	74	76.1	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	2000	116	0		0	0	9.1	66.4	41	42.2	6.6	123	76.2	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	2100	116	0		0	0	9.3	62.8	47	42.5	6.6	152	75.8	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	2200	116	0		0	0	8.5	60.4	47	40.2	3.7	151	75.3	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	2300	116	0		0	0	9	56.8	57	41.7	4.8	143	74.6	Y		
88	Cuyama	Central Coast Valleys	4/26/2013	2400	116	0		0	0	8.3	53.9	59	39.8	3.7	145	73.9	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	100	117	0		0	0	8.6	51.3	67	40.7	4.4	100	73.1	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	200	117	0		0	0	8.6	49.5	71	40.6	4.6	108	72.3	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	300	117	0		0	0	8.3	48.4	72	39.7	4.7	117	71.4	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	400	117	0		0	0	8	47.9	70	38.8	5.7	110	70.6	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	500	117	0		0	0	7.9	46.6	73	38.3	5.3	113	69.8	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	600	117	0		0	54	7.9	47	72	38.4	5.2	114	69	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	700	117	0		0	381	8.3	51.8	63	39.8	5.9	71	68.3	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	800	117	0.01		0	800	8.6	60.7	47	40.6	5.5	59	67.6	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	900	117	0.02		0	1216	8.9	68.8	37	41.4	4	68	67.3	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	1000	117	0.02		0	1571	8.8	74.7	30	41.1	3	1	67.5	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	1100	117	0.03		0	1828	8	79.2	24	38.8	4	96	68.3	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	1200	117	0.03		0	1949	7.7	82.2	20	37.6	5.8	342	69.7	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	1300	117	0.03		0	1966	7.6	83.3	20	37.5	8.4	352	71.4	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	1400	117	0.03		0	1846	7.5	84.1	19	37.2	8.9	352	72.8	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	1500	117	0.03		0	1607	8.3	84.3	21	39.6	9.8	346	74.1	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	1600	117	0.02		0	1274	7.5	84	19	37.1	10.7	349	75.5	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	1700	117	0.02		0	861	7.3	82.9	19	36.4	12.1	350	76.9	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	1800	117	0.01		0	423	7.6	80.5	21	37.4	10.3	355	77.7	Y		
88	Cuyama	Central Coast Valleys	4/27/2013	1900	117	0	Y	0	72	8.2	76.1	Y	27	Y	39.4	Y	6.5	53	78.1	R
88	Cuyama	Central Coast Valleys	4/27/2013	2000	117	0		0	0	9.2	68.2		39		42.2		5.7	141	78.1	Y
88	Cuyama	Central Coast Valleys	4/27/2013	2100	117	0	Y	0	0	8.1	65.5	Y	38	Y	39.2	Y	3.5	190	77.8	Y
88	Cuyama	Central Coast Valleys	4/27/2013	2200	117	0	Y	0	0	7.9	62.1	Y	42	Y	38.6	Y	3.6	134	77.2	Y
88	Cuyama	Central Coast Valleys	4/27/2013	2300	117	0		0	0	8.8	58.5		53		41.2		3.8	117	76.4	Y
88	Cuyama	Central Coast Valleys	4/27/2013	2400	117	0		0	0	8.9	57.1		56		41.4		4.9	143	75.7	Y
88	Cuyama	Central Coast Valleys	4/28/2013	100	118	0		0	0	8.8	55.8		58		41.3		4.9	103	74.8	Y
88	Cuyama	Central Coast Valleys	4/28/2013	200	118	0		0	0	8.8	54.6		60		41.1		5.1	104	74	Y
88	Cuyama	Central Coast Valleys	4/28/2013	300	118	0		0	0	8.7	53		63		40.8		5.5	113	73.2	Y
88	Cuyama	Central Coast Valleys	4/28/2013	400	118	0		0	0	8.7	51		68		40.9		4.5	100	72.4	Y
88	Cuyama	Central Coast Valleys	4/28/2013	500	118	0		0	0	8.7	50		71		40.8		5.8	107	71.7	Y
88	Cuyama	Central Coast Valleys	4/28/2013	600	118	0		0	54	8.7	50		71		40.8		6.2	104	70.9	Y
88	Cuyama	Central Coast Valleys	4/28/2013	700	118	0		0	376	9.3	55.2		63		42.7		6.6	88	70.2	Y
88	Cuyama	Central Coast Valleys	4/28/2013	800	118	0.01		0	792	10.3	63.8		51		45.4		5	101	69.6	Y
88	Cuyama	Central Coast Valleys	4/28/2013	900	118	0.02		0	1212	11	71.8		41		46.9		4.7	86	69.3	Y
88	Cuyama	Central Coast Valleys	4/28/2013	1000	118	0.02		0	1569	9.6	78.7		29		43.5		3.7	116	69.5	Y
88	Cuyama	Central Coast Valleys	4/28/2013	1100	118	0.03	Y	0	1803	8.3	82.6	Y	22	Y	39.8	Y	4.9	108	70.3	Y
88	Cuyama	Central Coast Valleys	4/28/2013	1200	118	0.03		0	1949	7.3	84		18		36.5		8.1	357	71.7	Y
88	Cuyama	Central Coast Valleys	4/28/2013	1300	118	0.03		0	1968	6.8	85.2		16		34.7		7.7	1	73.3	Y
88	Cuyama	Central Coast Valleys	4/28/2013	1400	118	0.03		0	1859	5.9	86.2		14		31.3		7	346	74.6	Y
88	Cuyama	Central Coast Valleys	4/28/2013	1500	118	0.03		0	1625	5.9	86.6		14		31.3		8.5	343	75.8	R
88	Cuyama	Central Coast Valleys	4/28/2013	1600	118	0.02		0	1278	6	86.4		14		31.5		9.4	359	77.2	R
88	Cuyama	Central Coast Valleys	4/28/2013	1700	118	0.02	Y	0	868	6.2	85.2	Y	15	Y	32.5	Y	10.8	355	78.4	R
88	Cuyama	Central Coast Valleys	4/28/2013	1800	118	0.01	Y	0	438	6.6	82.9	Y	17	Y	33.8	Y	9.2	13	79.1	R
88	Cuyama	Central Coast Valleys	4/28/2013	1900	118	0	Y	0	77	7.7	76.9	Y	24	Y	37.6	Y	7.2	87	79.5	R
88	Cuyama	Central Coast Valleys	4/28/2013	2000	118	0	Y	0	0	7.4	70.7	Y	29	Y	36.7	Y	6.3	145	79.4	R
88	Cuyama	Central Coast Valleys	4/28/2013	2100	118	0	Y	0	0	6.8	65.9	Y	31	Y	34.5	Y	5.8	175	79	R
88	Cuyama	Central Coast Valleys	4/28/2013	2200	118	0		0	0	6.8	62		36		34.5		4	121	78.4	R
88	Cuyama	Central Coast Valleys	4/28/2013	2300	118	0		0	0	7.2	58.5		43		36		4.3	109	77.7	Y
88	Cuyama	Central Coast Valleys	4/28/2013	2400	118	0		0	0	7.7	55.8		51		37.7		5.1	110	76.9	Y
88	Cuyama	Central Coast Valleys	4/29/2013	100	119	0		0	0	7.4	53.5		53		36.8		4.7	102	76	Y
88	Cuyama	Central Coast Valleys	4/29/2013	200	119	0		0	0	7.5	52		57		37.3		5.9	97	75.1	Y
88	Cuyama	Central Coast Valleys	4/29/2013	300	119	0		0	0	7.3	51		57		36.3		5.5	118	74.2	Y
88	Cuyama	Central Coast Valleys	4/29/2013	400	119	0		0	0	7.2	50		59		36.1		5.6	109	73.4	Y
88	Cuyama	Central Coast Valleys	4/29/2013	500	119	0		0	0	6.9	49		58		34.9		6	116	72.5	Y
88	Cuyama	Central Coast Valleys	4/29/2013	600	119	0		0	59	6.7	49.7		56		34.4		6.2	98	71.7	Y
88	Cuyama	Central Coast Valleys	4/29/2013	700	119	0.01		0	392	7.4	55		50		36.7		6.4	87	70.9	Y
88	Cuyama	Central Coast Valleys	4/29/2013	800	119	0.01		0	810	7.7	65.2		36		37.9		6.5	78	70.2	Y
88	Cuyama	Central Coast Valleys	4/29/2013	900	119	0.02		0	1222	9.5	73.5		34		43.1		3.7	99	69.9	Y
88	Cuyama	Central Coast Valleys	4/29/2013	1000	119	0.02		0	1569	10	78		31		44.6		3.8	102	70.1	Y
88	Cuyama	Central Coast Valleys	4/29/2013	1100	119	0.03		0	1813	9.2	80.9		28		42.5		6.8	350	70.9	Y
88	Cuyama	Central Coast Valleys	4/29/2013	1200	119	0.03		0	1945	9.2	82.3		24		42.4		8.2	343	72.4	Y
88	Cuyama	Central Coast Valleys	4/29/2013	1300	119	0.03		0	1964	8.4	83.9		21		39.9		7.8	353	74	Y
88	Cuyama	Central Coast Valleys	4/29/2013	1400	119	0.03		0	1863	7.1	85.3		17		35.6		7.1	351	75.4	R
88	Cuyama	Central Coast Valleys	4/29/2013	1500	119	0.03		0	1625	6.4	86.6		15		33.3		7.5	354	76.6	R
88	Cuyama	Central Coast Valleys	4/29/2013	1600	119	0.02		0	1282	5.9	86.9		14		31.2		10.5	348	77.9	R
88	Cuyama	Central Coast Valleys	4/29/2013	1700	119	0.02	Y	0	873	6.4	86	Y	15	Y	33.3	Y	10.6	348	79.1	R
88	Cuyama	Central Coast Valleys	4/29/2013	1800	119	0.01	Y	0	447	6.9	84	Y	17	Y	34.9	Y	11.1	343	79.9	R
88	Cuyama	Central Coast Valleys	4/29/2013	1900	119	0.01	Y	0	79	7.6	80.4	Y	21	Y	37.4	Y	9.8	341	80.3	R

88	Cuyama	Central Coast Valleys	4/29/2013	2000	119	0	Y	0	0	9	75.9	Y	30	Y	41.9	Y	3.5	300	80.3	R
88	Cuyama	Central Coast Valleys	4/29/2013	2100	119	0	Y	0	0	9.2	71	Y	35	Y	42.3	Y	3	287	79.9	R
88	Cuyama	Central Coast Valleys	4/29/2013	2200	119	0	Y	0	0	7.9	65.4	Y	37	Y	38.5	Y	3.4	217	79.4	R
88	Cuyama	Central Coast Valleys	4/29/2013	2300	119	0	Y	0	0	8.2	63.4	Y	41	Y	39.3	Y	3.9	123	78.8	R
88	Cuyama	Central Coast Valleys	4/29/2013	2400	119	0	Y	0	0	9.5	59.9	Y	54	Y	43.2	Y	3.4	131	78	R
88	Cuyama	Central Coast Valleys	4/30/2013	100	120	0	Y	0	0	9.3	58.3	Y	56	Y	42.6	Y	4.1	124	77.2	R
88	Cuyama	Central Coast Valleys	4/30/2013	200	120	0	Y	0	0	9.4	56.4	Y	61	Y	42.9	Y	3.6	101	76.4	Y
88	Cuyama	Central Coast Valleys	4/30/2013	300	120	0		0	0	9.2	54.4		63		42.3		5.7	112	75.6	Y
88	Cuyama	Central Coast Valleys	4/30/2013	400	120	0		0	0	8.9	53.3		64		41.5		5.5	108	74.8	Y
88	Cuyama	Central Coast Valleys	4/30/2013	500	120	0		0	0	8.5	52.5		63		40.3		4.8	126	74	Y
88	Cuyama	Central Coast Valleys	4/30/2013	600	120	0		0	64	8	51.7		61		38.8		2.6	173	73.2	Y
88	Cuyama	Central Coast Valleys	4/30/2013	700	120	0		0	406	8.8	57.1		55		41.1		2.7	149	72.5	Y
88	Cuyama	Central Coast Valleys	4/30/2013	800	120	0.01		0	820	9.2	65.5		43		42.3		4.6	81	71.9	Y
88	Cuyama	Central Coast Valleys	4/30/2013	900	120	0.02	Y	0	1228	9.1	74.1	Y	32	Y	42	Y	9	84	71.6	Y
88	Cuyama	Central Coast Valleys	4/30/2013	1000	120	0.03		0	1567	9.5	75.8		31		43.3		8.7	73	71.8	Y
88	Cuyama	Central Coast Valleys	4/30/2013	1100	120	0.03		0	1792	9.4	76.4		30		42.8		8.5	342	72.5	Y
88	Cuyama	Central Coast Valleys	4/30/2013	1200	120	0.03		0	1947	9.1	78.1		28		42.2		7.4	349	73.6	Y
88	Cuyama	Central Coast Valleys	4/30/2013	1300	120	0.03		0	1951	9	79.8		26		41.8		7.7	336	75.1	R
88	Cuyama	Central Coast Valleys	4/30/2013	1400	120	0.03		0	1834	8.5	81.2		23		40.3		7	357	76.2	R
88	Cuyama	Central Coast Valleys	4/30/2013	1500	120	0.03		0	1596	8.7	82.2		23		41		9.1	345	77.2	R
88	Cuyama	Central Coast Valleys	4/30/2013	1600	120	0.02		0	1259	8.6	81.6		23		40.6		11.5	351	78.4	R
88	Cuyama	Central Coast Valleys	4/30/2013	1700	120	0.02		0	818	8	80.5		22		38.7		10.5	341	79.4	R
88	Cuyama	Central Coast Valleys	4/30/2013	1800	120	0.01		0	430	6.8	78.1		21		34.8		11.4	339	80.1	R
88	Cuyama	Central Coast Valleys	4/30/2013	1900	120	0		0	62	10	71.6		38		44.5		7.2	298	80.3	R
88	Cuyama	Central Coast Valleys	4/30/2013	2000	120	0		0	0	11.8	65.5		55		48.9		5.5	276	80.2	R
88	Cuyama	Central Coast Valleys	4/30/2013	2100	120	0		0	0	11.8	62.1		62		48.8		5.6	270	79.8	R
88	Cuyama	Central Coast Valleys	4/30/2013	2200	120	0		0	0	11.6	59.1		68		48.4		3.7	276	79.2	R
88	Cuyama	Central Coast Valleys	4/30/2013	2300	120	0		0	0	10.7	55.4		72		46.4		3.2	180	78.5	R
88	Cuyama	Central Coast Valleys	4/30/2013	2400	120	0		0	0	9.9	56.2		64		44.4		5.1	123	77.7	Y
88	Cuyama	Central Coast Valleys	5/1/2013	100	121	0		0	0	7	57.3		44		35.5		7.6	152	76.8	Y
88	Cuyama	Central Coast Valleys	5/1/2013	200	121	0		0	0	5.8	57.7		36		30.8		8	151	75.9	Y
88	Cuyama	Central Coast Valleys	5/1/2013	300	121	0		0	0	5.4	58		35		28.9		8.3	142	75	Y
88	Cuyama	Central Coast Valleys	5/1/2013	400	121	0		0	0	5	54.2		35		27.2		8.2	148	74.2	Y
88	Cuyama	Central Coast Valleys	5/1/2013	500	121	0		0	0	4.7	54.4		33		25.7		7.5	145	73.4	Y
88	Cuyama	Central Coast Valleys	5/1/2013	600	121	0		0	66	4.7	53.2		34		25.4		5.6	148	72.6	
88	Cuyama	Central Coast Valleys	5/1/2013	700	121	0.01		0	403	5.5	54.9		37		29.5		5.3	53	71.8	
88	Cuyama	Central Coast Valleys	5/1/2013	800	121	0.01		0	815	5.4	62		28		28.8		5.3	87	71.2	
88	Cuyama	Central Coast Valleys	5/1/2013	900	121	0.02		0	1225	4.1	68.2		17		22.4		4.2	135	70.9	
88	Cuyama	Central Coast Valleys	5/1/2013	1000	121	0.02		0	1576	4	72.1		15		21.5		4.3	148	71	
88	Cuyama	Central Coast Valleys	5/1/2013	1100	121	0.03		0	1823	4.1	75.7		14		22.4		6.9	96	71.7	
88	Cuyama	Central Coast Valleys	5/1/2013	1200	121	0.03		0	1960	4.4	78.6		13		24		9.7	101	72.8	Y
88	Cuyama	Central Coast Valleys	5/1/2013	1300	121	0.03		0	1964	4.6	80.4		13		25		8.9	94	74.2	Y
88	Cuyama	Central Coast Valleys	5/1/2013	1400	121	0.03		0	1848	5	81.4		14		27.1		7.7	357	75.2	Y
88	Cuyama	Central Coast Valleys	5/1/2013	1500	121	0.03		0	1609	5.1	82.1		14		27.4		7.7	13	76.1	Y
88	Cuyama	Central Coast Valleys	5/1/2013	1600	121	0.02		0	1269	5.2	82.5		14		27.8		9.1	80	77.3	Y
88	Cuyama	Central Coast Valleys	5/1/2013	1700	121	0.02		0	860	5.2	81.3		14		27.9		9.4	75	78.3	Y
88	Cuyama	Central Coast Valleys	5/1/2013	1800	121	0.01		0	431	5.3	79.4		15		28.4		7.9	73	79	Y
88	Cuyama	Central Coast Valleys	5/1/2013	1900	121	0		0	74	6.4	74.3		22		33.2		4.5	66	79.2	Y
88	Cuyama	Central Coast Valleys	5/1/2013	2000	121	0		0	0	6.4	69.6		26		33.3		3.6	100	79.2	Y
88	Cuyama	Central Coast Valleys	5/1/2013	2100	121	0		0	0	6.8	64.4		33		34.5		4.5	164	78.8	Y
88	Cuyama	Central Coast Valleys	5/1/2013	2200	121	0		0	0	5.5	61.3		30		29.5		3.9	173	78.2	Y
88	Cuyama	Central Coast Valleys	5/1/2013	2300	121	0		0	0	6.4	57.5		39		33		4.3	126	77.5	Y
88	Cuyama	Central Coast Valleys	5/1/2013	2400	121	0		0	0	6.5	53.1		47		33.5		5.2	117	76.7	Y
88	Cuyama	Central Coast Valleys	5/2/2013	100	122	0		0	0	6.3	50.5		51		32.9		5.8	101	75.9	Y
88	Cuyama	Central Coast Valleys	5/2/2013	200	122	0		0	0	6.2	48.1		54		32.4		4.9	106	75	Y
88	Cuyama	Central Coast Valleys	5/2/2013	300	122	0		0	0	6.3	46.9		57		32.8		4.1	96	74.1	Y
88	Cuyama	Central Coast Valleys	5/2/2013	400	122	0		0	0	6	45.3		58		31.6		5.2	94	73.2	
88	Cuyama	Central Coast Valleys	5/2/2013	500	122	0		0	0	5.3	44.2		53		28.3		5.5	101	72.4	
88	Cuyama	Central Coast Valleys	5/2/2013	600	122	0		0	73	5.6	44.7		56		30		4.6	100	71.5	
88	Cuyama	Central Coast Valleys	5/2/2013	700	122	0.01		0	427	6.3	52		47		32.6		5.9	107	70.6	
88	Cuyama	Central Coast Valleys	5/2/2013	800	122	0.01		0	854	5.2	62.8		27		28.1		5.4	108	69.9	
88	Cuyama	Central Coast Valleys	5/2/2013	900	122	0.02		0	1272	3.6	72.3		13		19.1		4	98	69.6	
88	Cuyama	Central Coast Valleys	5/2/2013	1000	122	0.02		0	1617	3.2	78.2		10		16.4		5	118	69.7	
88	Cuyama	Central Coast Valleys	5/2/2013	1100	122	0.03		0	1863	3.5	81.9		9		18.3		6.7	81	70.5	
88	Cuyama	Central Coast Valleys	5/2/2013	1200	122	0.04		0	1987	3.3	82.8		9		17		12.4	348	71.8	
88	Cuyama	Central Coast Valleys	5/2/2013	1300	122	0.04		0	1982	3.3	83.7		8		17.2		12.6	350	73.3	Y
88	Cuyama	Central Coast Valleys	5/2/2013	1400	122	0.03		0	1861	3.2	84.3		8		16.4		12.7	356	74.5	Y
88	Cuyama	Central Coast Valleys	5/2/2013	1500	122	0.03		0	1658	2.9	84.4		7		14.2		12.1	354	75.6	Y
88	Cuyama	Central Coast Valleys	5/2/2013	1600	122	0.02		0	1335	2.7	84.3		7		12.7		11.6	354	76.7	Y
88	Cuyama	Central Coast Valleys	5/2/2013	1700	122	0.02		0	927	2.6	83.3		7		11.4		11.3	349	77.7	Y
88	Cuyama	Central Coast Valleys	5/2/2013	1800	122	0.01		0	490	2.4	81.8		7		10.3		10.4	354	78.4	Y
88	Cuyama	Central Coast Valleys	5/2/2013	1900	122	0		0	98	2.2	78		7		8.1		7.1	357	78.7	Y
88	Cuyama	Central Coast Valleys	5/2/2013	2000	122	0	R	0	0	2.3	72.9		8		9.4		3.4	19	78.6	Y
88	Cuyama	Central Coast Valleys	5/2/2013	2100	122	0	R	0	0	2.5	64.1		12		11		4.9	199	78.2	Y
88	Cuyama	Central Coast Valleys	5/2/2013	2200	122	0	R	0	0	2.5	59.9		14		10.9		4	165	77.6	Y
88	Cuyama	Central Coast Valleys	5/2/2013	2300	122	0		0	0	3	56.2		19		14.8		3.2	146	76.8	Y
88	Cuyama	Central Coast Valleys	5/2/2013	2400	122	0		0	0	4.2	53.3		30		22.8		4.1	121	76	Y
88	Cuyama	Central Coast Valleys	5/3/2013	100	123	0		0	0	4.5	51		35		24.4		6	105	75.1	Y
88	Cuyama	Central Coast Valleys	5/3/2013	200	123	0		0	0	4.3	49.1		36		23.2		4.7	113	74.2	
88	Cuyama	Central Coast Valleys	5/3/2013	300	123	0		0	0	4.6	48.1		40		24.8		5.4	108	73.3	
88	Cuyama	Central Coast Valleys	5/3/2013	400	123	0		0	0	4.3	47.4		38		23.3		6.5	101	72.5	
88	Cuyama	Central Coast Valleys	5/3/2013	500	123	0		0	0	4.3	46.9		39		23.2		5.4	117	71.6	
88	Cuyama	Central Coast Valleys	5/3/2013	600	123	0		0	76	4.6	47.8		41		25.2		5.6	96	70.8	
88	Cuyama	Central Coast Valleys	5/3/2013	700	123	0.01		0	427	4.8	52.8		35		26.2		6.5	93	70.1	
88	Cuyama	Central Coast Valleys	5/3/2013	800	123	0.01		0	847	5.6	62.3		29		30		5.4	99	69.5	

88	Cuyama	Central Coast Valleys	5/3/2013	900	123	0.02	0	1260	6.3	72.2	23	32.7	3.8	87	69.2		
88	Cuyama	Central Coast Valleys	5/3/2013	1000	123	0.02	0	1613	5.4	78	16	28.9	4.4	146	69.4		
88	Cuyama	Central Coast Valleys	5/3/2013	1100	123	0.03	0	1850	4.7	81.2	13	25.7	6.1	139	70.3		
88	Cuyama	Central Coast Valleys	5/3/2013	1200	123	0.03	0	1991	4.5	83.6	11	24.5	4.9	307	71.6		
88	Cuyama	Central Coast Valleys	5/3/2013	1300	123	0.03	0	2005	4.3	84.8	11	23.7	6.4	347	73.2	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	1400	123	0.03	0	1902	4.2	85.9	10	22.8	6.2	346	74.6	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	1500	123	0.03	0	1656	4.1	86.5	10	22.4	7.3	340	75.8	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	1600	123	0.02	0	1297	4.6	86.7	11	24.9	9.2	353	77.2	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	1700	123	0.02	0	880	5	85.3	12	27.3	10	347	78.5	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	1800	123	0.01	0	449	4.8	83.4	12	26.2	10.5	356	79.4	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	1900	123	0	0	88	5.7	78.3	17	30.2	6.6	48	79.8	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	2000	123	0	0	0	6.1	70.7	24	32	5.3	157	79.8	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	2100	123	0	0	0	5.1	68.2	21	27.4	2.8	224	79.5	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	2200	123	0	0	0	5	64.7	24	27.1	3.4	218	78.9	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	2300	123	0	0	0	5.7	59.1	33	30.3	3.3	157	78.2	Y	
88	Cuyama	Central Coast Valleys	5/3/2013	2400	123	0	0	0	6.1	57	38	31.9	4.8	122	77.4	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	100	124	0	0	0	6.2	55.3	41	32.2	6.2	116	76.6	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	200	124	0	0	0	6.1	53.2	44	31.8	6.1	107	75.7	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	300	124	0	0	0	5.9	52.4	44	31	4.9	111	74.9	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	400	124	0	0	0	6.1	50	49	31.9	5.2	113	74	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	500	124	0	0	0	6.1	49.1	51	31.9	5.8	101	73.2	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	600	124	0	0	74	6.2	49.2	52	32.2	6.1	108	72.4		
88	Cuyama	Central Coast Valleys	5/4/2013	700	124	0.01	0	409	6.4	55.9	42	33.2	6.7	92	71.7		
88	Cuyama	Central Coast Valleys	5/4/2013	800	124	0.01	0	824	6.4	66.3	29	33.2	7.3	76	71		
88	Cuyama	Central Coast Valleys	5/4/2013	900	124	0.02	0	1229	6.6	74.9	22	34	5.6	87	70.7		
88	Cuyama	Central Coast Valleys	5/4/2013	1000	124	0.02	0	1584	6.1	81.2	17	31.8	3.8	31	70.9		
88	Cuyama	Central Coast Valleys	5/4/2013	1100	124	0.03	0	1830	5.7	82.5	15	30.2	6.7	293	71.7		
88	Cuyama	Central Coast Valleys	5/4/2013	1200	124	0.03	0	1958	5.4	84.1	14	29.1	6.4	286	73.1	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	1300	124	0.03	0	1953	5.6	84.8	14	30	7	292	74.8	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	1400	124	0.03	0	1850	5.8	85	14	30.8	9.2	286	76.1	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	1500	124	0.03	0	1596	7.3	83.7	18	36.3	10.1	287	77.3	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	1600	124	0.02	0	1254	8.1	82.8	21	39.2	9.4	253	78.7	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	1700	124	0.02	0	848	7.3	80.8	20	36.5	13.3	230	79.9	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	1800	124	0.01	0	434	7.8	76.7	25	38.1	11.4	242	80.6	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	1900	124	0	0	87	8.4	71.3	32	40	7.4	260	80.9	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	2000	124	0	0	0	9.2	65.6	43	42.4	7.4	262	80.8	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	2100	124	0	0	0	10	61.1	55	44.6	5.7	269	80.3	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	2200	124	0	0	0	10.1	57.2	63	44.8	3	280	79.6	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	2300	124	0	0	0	10.1	53.3	73	44.7	4	282	78.8	Y	
88	Cuyama	Central Coast Valleys	5/4/2013	2400	124	0	0	0	10.3	49.5	86	45.4	5.5	280	78.3	Y	
88	Cuyama	Central Coast Valleys	5/5/2013	100	125	0	0	0	10.3	48.2	89	45.2	5.3	272	77.7	Y	
88	Cuyama	Central Coast Valleys	5/5/2013	200	125	0	0	0	10	47.5	89	44.6	3	261	76.4	Y	
88	Cuyama	Central Coast Valleys	5/5/2013	300	125	0	0	0	8.6	44.7	86	40.8	2	180	75.2	Y	
88	Cuyama	Central Coast Valleys	5/5/2013	400	125	0	0	0	7.6	42.2	83	37.5	1.8	182	74.3	Y	
88	Cuyama	Central Coast Valleys	5/5/2013	500	125	0	0	0	7.4	41.4	84	36.9	2.4	177	73.5	Y	
88	Cuyama	Central Coast Valleys	5/5/2013	600	125	0	0	54	7.7	41.7	86	37.7	2.6	213	72.6		
88	Cuyama	Central Coast Valleys	5/5/2013	700	125	0	0	227	9.3	46.8	85	42.6	1.6	251	71.7		
88	Cuyama	Central Coast Valleys	5/5/2013	800	125	0.01	0	665	10.2	50.8	81	45.1	4.6	289	70.9		
88	Cuyama	Central Coast Valleys	5/5/2013	900	125	0.01	0	1066	10.2	55.9	67	45	3.5	282	70.4		
88	Cuyama	Central Coast Valleys	5/5/2013	1000	125	0.02	0	1397	8.8	63.8	43	41.1	9	115	70.3		
88	Cuyama	Central Coast Valleys	5/5/2013	1100	125	0.03	0	1894	7.8	68.9	32	38.2	18.8	134	70.6		
88	Cuyama	Central Coast Valleys	5/5/2013	1200	125	0.03	0	1807	7.9	69	33	38.6	20.4	143	71.3		
88	Cuyama	Central Coast Valleys	5/5/2013	1300	125	0.03	0	1766	7.8	69.1	32	38.2	17	183	72		
88	Cuyama	Central Coast Valleys	5/5/2013	1400	125	0.03	0	1873	8.1	68.3	34	38.9	19.8	156	72.6		
88	Cuyama	Central Coast Valleys	5/5/2013	1500	125	0.03	0	1619	8.3	66.1	38	39.8	23.2	153	73.1		
88	Cuyama	Central Coast Valleys	5/5/2013	1600	125	0.02	0	1097	7.8	64.7	37	38	18.1	154	73.7		
88	Cuyama	Central Coast Valleys	5/5/2013	1700	125	0.01	0	396	7.8	61.9	42	38.3	16.5	137	74.2		
88	Cuyama	Central Coast Valleys	5/5/2013	1800	125	0.01	0	188	8	60.1	45	38.8	12.4	145	74.3		
88	Cuyama	Central Coast Valleys	5/5/2013	1900	125	0	0	53	8.1	58.5	48	39.1	12.5	143	74.2		
88	Cuyama	Central Coast Valleys	5/5/2013	2000	125	0	0	0	8.1	56.9	51	39	10.4	143	73.9		
88	Cuyama	Central Coast Valleys	5/5/2013	2100	125	0	0	0	8	55.9	52	38.7	11.5	138	73.5		
88	Cuyama	Central Coast Valleys	5/5/2013	2200	125	0	0	0	8.1	55.8	53	39.1	8.7	139	73		
88	Cuyama	Central Coast Valleys	5/5/2013	2300	125	0	0	0	8.2	54.9	56	39.5	11.2	131	72.5		
88	Cuyama	Central Coast Valleys	5/5/2013	2400	125	0	0	0	8.3	53.7	59	39.7	9.5	127	71.9		
88	Cuyama	Central Coast Valleys	5/6/2013	100	126	0	0	0	8.6	52.4	64	40.5	6.9	129	71.3		
88	Cuyama	Central Coast Valleys	5/6/2013	200	126	0	0	0	8.2	52.5	61	39.3	6.4	149	70.8		
88	Cuyama	Central Coast Valleys	5/6/2013	300	126	0	0	0	8.1	51.4	62	39	2.2	342	70.2		
88	Cuyama	Central Coast Valleys	5/6/2013	400	126	0	0	0	8.2	53	60	39.5	2.9	311	69.7		
88	Cuyama	Central Coast Valleys	5/6/2013	500	126	0	0	0	8.4	51.6	65	40.1	3.4	357	69.2		
88	Cuyama	Central Coast Valleys	5/6/2013	600	126	0	0	20	8.6	52	65	40.5	2.8	283	68.7		
88	Cuyama	Central Coast Valleys	5/6/2013	700	126	0	0	242	10	52.1	76	44.6	9.5	87	68.3		
88	Cuyama	Central Coast Valleys	5/6/2013	800	126	0	0	363	10.4	53.3	75	45.5	6.9	105	68		
88	Cuyama	Central Coast Valleys	5/6/2013	900	126	0.01	0	564	10.2	56	66	45	2.5	128	67.7		
88	Cuyama	Central Coast Valleys	5/6/2013	1000	126	0.01	0	628	9.7	58	59	43.8	5.1	188	67.6		
88	Cuyama	Central Coast Valleys	5/6/2013	1100	126	0.02	0	1268	8.8	61	48	41.3	5.9	212	67.8		
88	Cuyama	Central Coast Valleys	5/6/2013	1200	126	0.02	0	1437	8.2	63.7	41	39.4	11.6	202	68.1		
88	Cuyama	Central Coast Valleys	5/6/2013	1300	126	0.02	0	1555	7.9	64.5	38	38.5	8.1	199	68.7		
88	Cuyama	Central Coast Valleys	5/6/2013	1400	126	0.02	0	1181	8.1	65	38	39.1	8.4	176	69.4		
88	Cuyama	Central Coast Valleys	5/6/2013	1500	126	0.02	0	1681	8.1	66.4	37	39.1	8.4	194	70.1		
88	Cuyama	Central Coast Valleys	5/6/2013	1600	126	0.02	0	1308	8.1	66.3	37	39.1	11.4	214	70.9		
88	Cuyama	Central Coast Valleys	5/6/2013	1700	126	0.01	0	893	8	65.2	38	38.8	11.4	211	71.8		
88	Cuyama	Central Coast Valleys	5/6/2013	1800	126	0.01	0	475	8	63.3	41	38.9	11.1	183	72.5		
88	Cuyama	Central Coast Valleys	5/6/2013	1900	126	0	0	88	8.1	59.2	47	39.2	10.1	179	72.9		
88	Cuyama	Central Coast Valleys	5/6/2013	2000	126	0	0	0	8.1	55.7	53	39	7.5	180	72.8		
88	Cuyama	Central Coast Valleys	5/6/2013	2100	126	0	0	0	8.1	54.2	56	39	6.6	166	72.5		

88	Cuyama	Central Coast Valleys	5/6/2013	2200	126	0	0	0	8.1	54.7	55	38.9	8.2	159	72
88	Cuyama	Central Coast Valleys	5/6/2013	2300	126	0	0	0	8	54.8	54	38.7	6.5	140	71.4
88	Cuyama	Central Coast Valleys	5/6/2013	2400	126	0	0	0	8.3	53.9	59	39.8	3	187	70.9
88	Cuyama	Central Coast Valleys	5/7/2013	100	127	0	0	0	8.9	51.4	68	41.4	3.5	269	70.4
88	Cuyama	Central Coast Valleys	5/7/2013	200	127	0	0	0	8.2	48.1	71	39.3	1.8	165	69.9
88	Cuyama	Central Coast Valleys	5/7/2013	300	127	0	0	0	8.1	48.3	70	39.1	2.3	271	69.4
88	Cuyama	Central Coast Valleys	5/7/2013	400	127	0	0	0	8.4	49.6	70	40.2	1.3	52	68.8
88	Cuyama	Central Coast Valleys	5/7/2013	500	127	0	0	0	8.5	50.4	68	40.2	2.6	42	68.3
88	Cuyama	Central Coast Valleys	5/7/2013	600	127	0	0	43	8.5	50.8	67	40.3	3.4	329	67.8
88	Cuyama	Central Coast Valleys	5/7/2013	700	127	0	0	418	9	52.3	67	41.7	3.9	308	67.4
88	Cuyama	Central Coast Valleys	5/7/2013	800	127	0.01	0	855	9.2	55.5	61	42.4	3.8	359	67
88	Cuyama	Central Coast Valleys	5/7/2013	900	127	0.01	0	1260	8.7	58	53	40.8	3.4	29	67
88	Cuyama	Central Coast Valleys	5/7/2013	1000	127	0.02	0	1592	8.4	60.6	47	40	4.6	314	67.3
88	Cuyama	Central Coast Valleys	5/7/2013	1100	127	0.01	0	876	8.3	61.2	45	39.8	7.1	328	68.2
88	Cuyama	Central Coast Valleys	5/7/2013	1200	127	0.01	0	889	8.1	61.8	43	39.1	6.4	327	69.2
88	Cuyama	Central Coast Valleys	5/7/2013	1300	127	0.01	0	568	8.1	61.7	43	39.2	5.7	291	70.2
88	Cuyama	Central Coast Valleys	5/7/2013	1400	127	0	0	310	8.5	60.8	47	40.5	6.3	284	70.8
88	Cuyama	Central Coast Valleys	5/7/2013	1500	127	0.01	0	578	8.8	62.3	46	41.2	4.9	271	71.2
88	Cuyama	Central Coast Valleys	5/7/2013	1600	127	0.01	0	771	8.8	63.9	44	41.3	5.3	325	71.4
88	Cuyama	Central Coast Valleys	5/7/2013	1700	127	0.01	0	929	8.8	65.1	41	41.2	6.2	355	71.5
88	Cuyama	Central Coast Valleys	5/7/2013	1800	127	0.01	0	391	8.4	64	41	39.9	6.8	354	71.8
88	Cuyama	Central Coast Valleys	5/7/2013	1900	127	0	0	38	8.9	60.6	49	41.5	5.8	18	71.9
88	Cuyama	Central Coast Valleys	5/7/2013	2000	127	0	0	0	9.2	56.5	59	42.5	6.7	271	71.8
88	Cuyama	Central Coast Valleys	5/7/2013	2100	127	0	0	0	8.6	55	58	40.6	7.1	280	71.5
88	Cuyama	Central Coast Valleys	5/7/2013	2200	127	0	0	0	9	53.6	64	41.8	7.7	272	71
88	Cuyama	Central Coast Valleys	5/7/2013	2300	127	0	0	0	9.2	51.5	71	42.3	6.8	259	70.5
88	Cuyama	Central Coast Valleys	5/7/2013	2400	127	0	0	0	9	49.7	74	41.7	3.8	253	70
88	Cuyama	Central Coast Valleys	5/8/2013	100	128	0	0	0	8.7	47.6	77	40.8	1.1	321	69.4
88	Cuyama	Central Coast Valleys	5/8/2013	200	128	0	0	0	8.1	44.9	80	39.1	2.9	165	68.8
88	Cuyama	Central Coast Valleys	5/8/2013	300	128	0	0	0	8.8	47.4	79	41.3	3	124	68.1
88	Cuyama	Central Coast Valleys	5/8/2013	400	128	0	0	0	8.8	47.3	79	41.1	4.7	100	67.5
88	Cuyama	Central Coast Valleys	5/8/2013	500	128	0	0	0	8.7	48.5	75	41	4.1	138	66.9
88	Cuyama	Central Coast Valleys	5/8/2013	600	128	0	0	33	8.7	49.4	73	41	3.5	127	66.4
88	Cuyama	Central Coast Valleys	5/8/2013	700	128	0	0	178	9	51.2	70	41.8	2.2	82	66
88	Cuyama	Central Coast Valleys	5/8/2013	800	128	0.01	0	591	9.2	54.9	62	42.2	3.1	16	65.7
88	Cuyama	Central Coast Valleys	5/8/2013	900	128	0.01	0	1138	8.7	59	51	40.9	3.3	103	65.5
88	Cuyama	Central Coast Valleys	5/8/2013	1000	128	0.02	0	1619	9.2	63	47	42.3	4.5	15	65.7
88	Cuyama	Central Coast Valleys	5/8/2013	1100	128	0.01	0	966	9.7	63.6	48	43.6	6.1	354	66.4
88	Cuyama	Central Coast Valleys	5/8/2013	1200	128	0.02	0	1189	9.6	64.9	46	43.4	6.4	8	67.4
88	Cuyama	Central Coast Valleys	5/8/2013	1300	128	0.01	0	466	9.4	64.4	46	43	6.1	4	68.5
88	Cuyama	Central Coast Valleys	5/8/2013	1400	128	0.02	0	1103	10.1	65.8	47	44.7	7	347	69.3
88	Cuyama	Central Coast Valleys	5/8/2013	1500	128	0.01	0	837	10	66.7	45	44.4	6.5	359	69.9
88	Cuyama	Central Coast Valleys	5/8/2013	1600	128	0.01	0	319	10.2	65.4	48	45	9.2	353	70.5
88	Cuyama	Central Coast Valleys	5/8/2013	1700	128	0	0	177	10.4	64.5	50	45.5	8	357	71
88	Cuyama	Central Coast Valleys	5/8/2013	1800	128	0	0	93	11.1	61.6	60	47.4	7.1	299	71.3
88	Cuyama	Central Coast Valleys	5/8/2013	1900	128	0	0	21	11	58.4	66	47.1	7.4	279	71.3
88	Cuyama	Central Coast Valleys	5/8/2013	2000	128	0	0	0	10.6	56.3	69	46.1	7.7	280	71.2
88	Cuyama	Central Coast Valleys	5/8/2013	2100	128	0	0	0	10.3	55	69	45.2	6.8	274	70.9
88	Cuyama	Central Coast Valleys	5/8/2013	2200	128	0	0	0	9.5	53.6	68	43.3	5.2	267	70.5
88	Cuyama	Central Coast Valleys	5/8/2013	2300	128	0	0	0	9.1	52.7	67	42.1	4	256	70.1
88	Cuyama	Central Coast Valleys	5/8/2013	2400	128	0	0	0	9.2	52.8	68	42.4	1.9	280	69.5
88	Cuyama	Central Coast Valleys	5/9/2013	100	129	0	0	0	9.4	52.2	71	42.9	2.5	111	69
88	Cuyama	Central Coast Valleys	5/9/2013	200	129	0	0	0	9.8	51.8	74	43.9	2.6	67	68.5
88	Cuyama	Central Coast Valleys	5/9/2013	300	129	0	0	0	9.8	52.7	72	44	3.8	150	68.1
88	Cuyama	Central Coast Valleys	5/9/2013	400	129	0	0	0	9.8	52.7	72	44	1.8	50	67.6
88	Cuyama	Central Coast Valleys	5/9/2013	500	129	0	0	1	9.3	51.2	73	42.7	1.7	88	67.2
88	Cuyama	Central Coast Valleys	5/9/2013	600	129	0	0	58	9	48.2	78	41.8	1.8	183	66.8
88	Cuyama	Central Coast Valleys	5/9/2013	700	129	0	0	345	10.4	54.6	72	45.6	1.2	191	66.4
88	Cuyama	Central Coast Valleys	5/9/2013	800	129	0.01	0	608	10.1	58.6	60	44.9	2	162	66.1
88	Cuyama	Central Coast Valleys	5/9/2013	900	129	0.02	0	1242	10.2	62.2	53	45	3.8	158	65.9
88	Cuyama	Central Coast Valleys	5/9/2013	1000	129	0.02	0	1489	10.5	65.6	49	45.7	6.6	14	66.2
88	Cuyama	Central Coast Valleys	5/9/2013	1100	129	0.03	0	1813	10.1	68.9	42	44.7	8.9	4	66.9
88	Cuyama	Central Coast Valleys	5/9/2013	1200	129	0.02	0	1567	9.7	69.2	40	43.7	9	348	68.1
88	Cuyama	Central Coast Valleys	5/9/2013	1300	129	0.03	0	1945	9.4	71.7	36	43	6.7	1	69.5
88	Cuyama	Central Coast Valleys	5/9/2013	1400	129	0.03	0	1949	9.3	73.4	33	42.6	7.2	349	70.6
88	Cuyama	Central Coast Valleys	5/9/2013	1500	129	0.02	0	1264	9.2	73.3	33	42.3	10.7	355	71.6
88	Cuyama	Central Coast Valleys	5/9/2013	1600	129	0.02	0	939	9.1	72.2	34	42.1	10.2	352	72.7
88	Cuyama	Central Coast Valleys	5/9/2013	1700	129	0.01	0	827	9	72.6	33	41.9	9.5	354	73.6
88	Cuyama	Central Coast Valleys	5/9/2013	1800	129	0.01	0	268	9.5	70.4	37	43.2	11.1	4	74.2
88	Cuyama	Central Coast Valleys	5/9/2013	1900	129	0	0	108	10.3	67.9	44	45.2	7.6	47	74.4
88	Cuyama	Central Coast Valleys	5/9/2013	2000	129	0	0	1	10.6	63.9	52	46.1	5.4	111	74.4
88	Cuyama	Central Coast Valleys	5/9/2013	2100	129	0	0	0	10.4	60.4	58	45.6	4.5	141	74.1
88	Cuyama	Central Coast Valleys	5/9/2013	2200	129	0	0	0	9.9	58	60	44.2	4.1	178	73.6
88	Cuyama	Central Coast Valleys	5/9/2013	2300	129	0	0	0	9.7	57.5	60	43.8	3.3	104	73
88	Cuyama	Central Coast Valleys	5/9/2013	2400	129	0	0	0	9.8	55.2	66	44	3.2	145	72.4
88	Cuyama	Central Coast Valleys	5/10/2013	100	130	0	0	0	9.3	52.7	69	42.8	4.1	131	71.8
88	Cuyama	Central Coast Valleys	5/10/2013	200	130	0	0	0	9.3	51.5	71	42.5	2.7	137	71.1
88	Cuyama	Central Coast Valleys	5/10/2013	300	130	0	0	0	9.2	49.7	76	42.4	4.2	109	70.4
88	Cuyama	Central Coast Valleys	5/10/2013	400	130	0	0	0	9.2	49.8	75	42.3	5	113	69.8
88	Cuyama	Central Coast Valleys	5/10/2013	500	130	0	0	1	9.4	50	77	43	5.3	143	69.1
88	Cuyama	Central Coast Valleys	5/10/2013	600	130	0	0	89	9.5	50.6	75	43.1	3.8	100	68.5
88	Cuyama	Central Coast Valleys	5/10/2013	700	130	0	0	429	10.6	55.1	72	46.2	3.9	64	67.9
88	Cuyama	Central Coast Valleys	5/10/2013	800	130	0.01	0	834	12.1	64	59	49.5	3	80	67.5
88	Cuyama	Central Coast Valleys	5/10/2013	900	130	0.02	0	1230	12.8	68.8	53	51	3.2	139	67.4
88	Cuyama	Central Coast Valleys	5/10/2013	1000	130	0.02	0	1565	12.5	71.8	47	50.5	3.9	132	67.8

88	Cuyama	Central Coast Valleys	5/10/2013	1100	130	0.03		0	1801	12.3	74.8	42	50.1	5.4	327	68.7			
88	Cuyama	Central Coast Valleys	5/10/2013	1200	130	0.03		0	1933	12	76.9	38	49.3	6.9	343	70.1			
88	Cuyama	Central Coast Valleys	5/10/2013	1300	130	0.03		0	1939	11.7	78.9	35	48.8	7.9	345	71.7			
88	Cuyama	Central Coast Valleys	5/10/2013	1400	130	0.03		0	1836	11.3	80.7	31	47.7	8.1	358	73.1			
88	Cuyama	Central Coast Valleys	5/10/2013	1500	130	0.03		0	1609	10.9	82	29	46.7	10.7	0	74.2	Y		
88	Cuyama	Central Coast Valleys	5/10/2013	1600	130	0.02		0	1292	10.7	82.4	28	46.4	11.9	351	75.4	Y		
88	Cuyama	Central Coast Valleys	5/10/2013	1700	130	0.02		0	895	11	81.4	30	46.9	12.6	354	76.5	Y		
88	Cuyama	Central Coast Valleys	5/10/2013	1800	130	0.01		0	476	11.4	79.4	33	48.1	11.7	355	77.3	Y		
88	Cuyama	Central Coast Valleys	5/10/2013	1900	130	0		0	105	13.1	74.9	44	51.7	7.6	62	77.6	Y		
88	Cuyama	Central Coast Valleys	5/10/2013	2000	130	0		0	1	13.5	69.8	54	52.5	6	138	77.5	Y		
88	Cuyama	Central Coast Valleys	5/10/2013	2100	130	0		0	0	12.8	66.7	58	51.2	5	170	77.2	Y		
88	Cuyama	Central Coast Valleys	5/10/2013	2200	130	0		0	0	12.3	64.1	60	50.1	3.6	133	76.8	Y		
88	Cuyama	Central Coast Valleys	5/10/2013	2300	130	0		0	0	12.3	61.7	66	50	3.4	109	76.2			
88	Cuyama	Central Coast Valleys	5/10/2013	2400	130	0		0	0	11.8	60.6	66	49	5.2	143	75.6			
88	Cuyama	Central Coast Valleys	5/11/2013	100	131	0		0	0	11.5	58.1	70	48.3	4.3	123	74.9			
88	Cuyama	Central Coast Valleys	5/11/2013	200	131	0		0	0	11.5	56.3	74	48.2	3.7	104	74.2			
88	Cuyama	Central Coast Valleys	5/11/2013	300	131	0		0	0	11.3	54.9	77	47.7	5.7	102	73.5			
88	Cuyama	Central Coast Valleys	5/11/2013	400	131	0		0	0	10.7	54.1	75	46.4	5.9	106	72.9			
88	Cuyama	Central Coast Valleys	5/11/2013	500	131	0		0	1	10.6	53.3	77	46.1	5.4	112	72.2			
88	Cuyama	Central Coast Valleys	5/11/2013	600	131	0		0	98	10.6	53.7	75	46	5.4	100	71.5			
88	Cuyama	Central Coast Valleys	5/11/2013	700	131	0.01		0	447	11.3	59.6	65	47.8	7.1	85	70.9			
88	Cuyama	Central Coast Valleys	5/11/2013	800	131	0.01		0	851	12.2	68.3	52	49.9	6.7	76	70.4			
88	Cuyama	Central Coast Valleys	5/11/2013	900	131	0.02		0	1247	13.3	74.8	45	52.2	4.6	67	70.2			
88	Cuyama	Central Coast Valleys	5/11/2013	1000	131	0.02		0	1588	11.7	80	33	48.6	3.1	144	70.5			
88	Cuyama	Central Coast Valleys	5/11/2013	1100	131	0.03		0	1830	11.9	83.4	31	49.2	4.2	103	71.4			
88	Cuyama	Central Coast Valleys	5/11/2013	1200	131	0.03		0	1960	11.6	87.6	26	48.5	3.6	16	72.8	Y		
88	Cuyama	Central Coast Valleys	5/11/2013	1300	131	0.03		0	1951	9.5	90.9	19	43.3	6.3	343	74.5	Y		
88	Cuyama	Central Coast Valleys	5/11/2013	1400	131	0.03		0	1861	7.4	91.8	14	36.6	7.6	347	75.9	Y		
88	Cuyama	Central Coast Valleys	5/11/2013	1500	131	0.03		0	1642	7.3	92.3	14	36.4	8.7	343	77.1	Y		
88	Cuyama	Central Coast Valleys	5/11/2013	1600	131	0.02		0	1154	8	91.3	16	38.7	8.1	337	78.5	Y		
88	Cuyama	Central Coast Valleys	5/11/2013	1700	131	0.01		0	377	10.2	88.9	22	45	6.7	312	79.8	Y		
88	Cuyama	Central Coast Valleys	5/11/2013	1800	131	0.01	Y	0	392	10.6	87.7	Y	24	Y	46.2	Y	5.5	333	80.6	Y
88	Cuyama	Central Coast Valleys	5/11/2013	1900	131	0.01	Y	0	108	10.5	84.5	Y	26	Y	45.9	Y	5.5	288	81	Y
88	Cuyama	Central Coast Valleys	5/11/2013	2000	131	0	Y	0	0	11	78.7	Y	33	Y	47	Y	7.3	263	81	Y
88	Cuyama	Central Coast Valleys	5/11/2013	2100	131	0	Y	0	0	11.1	74.8	Y	38	Y	47.3	Y	5	277	80.7	Y
88	Cuyama	Central Coast Valleys	5/11/2013	2200	131	0	Y	0	0	11	71.1	Y	42	Y	47	Y	2.9	249	80.3	Y
88	Cuyama	Central Coast Valleys	5/11/2013	2300	131	0	Y	0	0	11.6	66.1	Y	53	Y	48.5	Y	4.5	127	79.7	Y
88	Cuyama	Central Coast Valleys	5/11/2013	2400	131	0	Y	0	0	11.5	65.6	Y	53	Y	48.2	Y	5	145	79	Y
88	Cuyama	Central Coast Valleys	5/12/2013	100	132	0	Y	0	0	11.1	62.9	Y	57	Y	47.3	Y	4	89	78.3	Y
88	Cuyama	Central Coast Valleys	5/12/2013	200	132	0		0	0	11.4	60.4		63		47.9		4.1	116	77.6	Y
88	Cuyama	Central Coast Valleys	5/12/2013	300	132	0		0	0	11.6	59.1		68		48.4		3.5	93	76.9	Y
88	Cuyama	Central Coast Valleys	5/12/2013	400	132	0		0	0	11.9	58.3		72		49.2		4.2	89	76.2	Y
88	Cuyama	Central Coast Valleys	5/12/2013	500	132	0		0	1	11.4	57.4		71		47.9		5.8	100	75.5	Y
88	Cuyama	Central Coast Valleys	5/12/2013	600	132	0		0	111	11.5	58.1		70		48.3		5.2	102	74.8	Y
88	Cuyama	Central Coast Valleys	5/12/2013	700	132	0.01		0	464	12	64.7		58		49.4		6.6	77	74.1	Y
88	Cuyama	Central Coast Valleys	5/12/2013	800	132	0.01		0	853	13.4	72.9		48		52.3		5.8	90	73.6	Y
88	Cuyama	Central Coast Valleys	5/12/2013	900	132	0.02		0	1253	13.9	80.2		40		53.3		4.1	107	73.5	Y
88	Cuyama	Central Coast Valleys	5/12/2013	1000	132	0.02		0	1586	13.1	83.7		33		51.7		4	147	73.8	Y
88	Cuyama	Central Coast Valleys	5/12/2013	1100	132	0.03		0	1825	12.1	86.4		28		49.7		4.7	153	74.7	Y
88	Cuyama	Central Coast Valleys	5/12/2013	1200	132	0.03		0	1937	11.2	89.2		24		47.5		6.1	11	76	Y
88	Cuyama	Central Coast Valleys	5/12/2013	1300	132	0.03		0	1943	9.4	91.1		19		42.9		7.8	344	77.6	Y
88	Cuyama	Central Coast Valleys	5/12/2013	1400	132	0.03		0	1846	9	92.1		17		41.7		9.8	344	78.9	Y
88	Cuyama	Central Coast Valleys	5/12/2013	1500	132	0.03		0	1640	7.8	92.7		15		38.1		11.1	353	80.1	Y
88	Cuyama	Central Coast Valleys	5/12/2013	1600	132	0.03		0	1293	8.1	92.2		16		39		9.6	1	81.5	Y
88	Cuyama	Central Coast Valleys	5/12/2013	1700	132	0.01		0	506	8	90.1		17		38.8		9.8	351	82.7	Y
88	Cuyama	Central Coast Valleys	5/12/2013	1800	132	0.01	Y	0	408	8.2	88.7	Y	18	Y	39.5	Y	7.4	348	83.4	Y
88	Cuyama	Central Coast Valleys	5/12/2013	1900	132	0.01	Y	0	113	10.6	85.7	Y	25	Y	46.1	Y	5.4	302	83.7	Y
88	Cuyama	Central Coast Valleys	5/12/2013	2000	132	0	Y	0	1	9.6	81.1	Y	27	Y	43.5	Y	6.1	265	83.6	Y
88	Cuyama	Central Coast Valleys	5/12/2013	2100	132	0	Y	0	0	8.5	76.6	Y	27	Y	40.4	Y	5.4	245	83.2	Y
88	Cuyama	Central Coast Valleys	5/12/2013	2200	132	0	Y	0	0	8.3	74	Y	29	Y	39.7	Y	3.4	248	82.7	Y
88	Cuyama	Central Coast Valleys	5/12/2013	2300	132	0	Y	0	0	10.2	67.3	Y	45	Y	45	Y	3.7	149	82.1	Y
88	Cuyama	Central Coast Valleys	5/12/2013	2400	132	0	Y	0	0	10	64.3	Y	49	Y	44.5	Y	4	141	81.4	Y
88	Cuyama	Central Coast Valleys	5/13/2013	100	133	0		0	0	10.5	61.6		56		45.9		4.5	102	80.6	Y
88	Cuyama	Central Coast Valleys	5/13/2013	200	133	0		0	0	10.2	60.9		56		44.9		4.6	104	79.8	Y
88	Cuyama	Central Coast Valleys	5/13/2013	300	133	0		0	0	9.5	58.7		56		43.2		3	44	79	Y
88	Cuyama	Central Coast Valleys	5/13/2013	400	133	0		0	0	10	56.7		64		44.5		3.8	82	78.2	Y
88	Cuyama	Central Coast Valleys	5/13/2013	500	133	0		0	1	10.1	56.6		65		44.8		5.4	103	77.5	Y
88	Cuyama	Central Coast Valleys	5/13/2013	600	133	0		0	108	9.8	57.2		61		44		5.3	102	76.7	Y
88	Cuyama	Central Coast Valleys	5/13/2013	700	133	0.01		0	483	10.5	63.4		52		45.8		7.2	91	76	Y
88	Cuyama	Central Coast Valleys	5/13/2013	800	133	0.01		0	868	11.2	72		42		47.4		6.3	91	75.4	Y
88	Cuyama	Central Coast Valleys	5/13/2013	900	133	0.02		0	1265	10.9	80		31		46.9		5.1	84	75.1	Y
88	Cuyama	Central Coast Valleys	5/13/2013	1000	133	0.03	Y	0	1602	10	85	Y	24	Y	44.7	Y	3.7	90	75.4	Y
88	Cuyama	Central Coast Valleys	5/13/2013	1100	133	0.03	Y	0	1836	9.4	88.2	Y	21	Y	43	Y	6	6	76.2	Y
88	Cuyama	Central Coast Valleys	5/13/2013	1200	133	0.04		0	1951	8.3	89.7		17		39.7		9.8	350	77.6	Y
88	Cuyama	Central Coast Valleys	5/13/2013	1300	133	0.03		0	1960	8.2	90.9		17		39.5		7.8	349	79.2	Y
88	Cuyama	Central Coast Valleys	5/13/2013	1400	133	0.03		0	1867	8.1	91.8		16		39		7.7	344	80.5	Y
88	Cuyama	Central Coast Valleys	5/13/2013	1500	133	0.03		0	1638	8.1	92.4		16		39		8	349	81.7	Y
88	Cuyama	Central Coast Valleys	5/13/2013	1600	133	0.02		0	1167	8.1	92.4		16		39.1		8	356	83	Y
88	Cuyama	Central Coast Valleys	5/13/2013	1700	133	0.02	Y	0	830	8	91.6	Y	16	Y	38.9	Y	5.7	354	84.1	Y
88	Cuyama	Central Coast Valleys	5/13/2013	1800	133	0.01	Y	0	513	6.3	89.6	Y	13	Y	32.8	Y	7.1	289	84.9	Y
88	Cuyama	Central Coast Valleys	5/13/2013	1900	133	0.01	Y	0	140	6.3	84.8	Y	15	Y	32.6	Y	7.4	281	85.2	Y
88	Cuyama	Central Coast Valleys	5/13/2013	2000	133	0	Y	0	1	6.3	78.7	Y	19	Y	32.6	Y	5.4	264	85.1	Y
88	Cuyama	Central Coast Valleys	5/13/2013	2100	133	0	Y	0	0	6.3	74.2	Y	22	Y	32.6	Y	4.7	255	84.6	Y
88	Cuyama	Central Coast Valleys	5/13/2013	2200	133	0	Y	0	0	6.1	70	Y	24	Y	32	Y	4.1	269	84	Y
88	Cuyama	Central Coast Valleys	5/13/2013	2300	133	0		0	0	7.6	64.9		36		37.4		3	253	83.2	Y

88	Cuyama	Central Coast Valleys	5/13/2013	2400	133	0	0	0	8.6	59.5	49	40.5	3.2	176	82.4	Y
88	Cuyama	Central Coast Valleys	5/14/2013	100	134	0	0	0	7.8	55.5	52	38.2	3.3	188	81.5	Y
88	Cuyama	Central Coast Valleys	5/14/2013	200	134	0	0	0	6.6	53.9	46	33.7	2.6	178	80.5	Y
88	Cuyama	Central Coast Valleys	5/14/2013	300	134	0	0	0	6.9	52.3	52	35	4.2	162	79.6	Y
88	Cuyama	Central Coast Valleys	5/14/2013	400	134	0	0	0	6.1	51.3	47	32	3.3	77	78.6	Y
88	Cuyama	Central Coast Valleys	5/14/2013	500	134	0	0	2	6.5	49.8	53	33.7	4.7	129	77.7	Y
88	Cuyama	Central Coast Valleys	5/14/2013	600	134	0	0	90	6.4	50	52	33	4.5	153	76.8	Y
88	Cuyama	Central Coast Valleys	5/14/2013	700	134	0.01	0	500	6	59.1	35	31.6	4.3	117	75.9	Y
88	Cuyama	Central Coast Valleys	5/14/2013	800	134	0.01	0	907	6.1	63	31	31.8	6.8	281	75.1	Y
88	Cuyama	Central Coast Valleys	5/14/2013	900	134	0.02	0	1309	7.5	71.6	28	37.1	7.1	273	74.8	Y
88	Cuyama	Central Coast Valleys	5/14/2013	1000	134	0.03	0	1652	7	76.6	22	35.2	7.3	287	75	Y
88	Cuyama	Central Coast Valleys	5/14/2013	1100	134	0.03	0	1875	7.9	78.4	24	38.5	9.6	291	75.8	Y
88	Cuyama	Central Coast Valleys	5/14/2013	1200	134	0.03	0	2005	6.6	80.5	19	34	9.9	301	77.1	Y
88	Cuyama	Central Coast Valleys	5/14/2013	1300	134	0.03	0	2011	6	81.7	18	31.4	10.1	303	78.6	Y
88	Cuyama	Central Coast Valleys	5/14/2013	1400	134	0.03	0	1904	5.7	82.3	15	30.3	9.8	299	79.7	Y
88	Cuyama	Central Coast Valleys	5/14/2013	1500	134	0.03	0	1675	5.3	82.1	14	28.7	9.2	294	80.7	Y
88	Cuyama	Central Coast Valleys	5/14/2013	1600	134	0.02	0	1349	5.7	81.2	16	30.3	9.9	293	81.8	Y
88	Cuyama	Central Coast Valleys	5/14/2013	1700	134	0.02	0	968	5.9	79.2	17	31.1	9.8	288	82.8	Y
88	Cuyama	Central Coast Valleys	5/14/2013	1800	134	0.01	0	539	8.5	74.4	29	40.2	9.6	276	83.5	Y
88	Cuyama	Central Coast Valleys	5/14/2013	1900	134	0	0	133	9.5	68.3	40	43.1	8.6	279	83.8	Y
88	Cuyama	Central Coast Valleys	5/14/2013	2000	134	0	0	1	10.4	62.5	54	45.5	7.2	278	83.6	Y
88	Cuyama	Central Coast Valleys	5/14/2013	2100	134	0	0	0	10.5	59.3	61	45.9	7.2	264	83.1	Y
88	Cuyama	Central Coast Valleys	5/14/2013	2200	134	0	0	0	10.3	57.2	65	45.4	2.4	238	82.4	Y
88	Cuyama	Central Coast Valleys	5/14/2013	2300	134	0	0	0	10.1	54.8	69	44.9	2.4	134	81.5	Y
88	Cuyama	Central Coast Valleys	5/14/2013	2400	134	0	0	0	10	53.5	72	44.6	2.9	144	80.6	Y
88	Cuyama	Central Coast Valleys	5/15/2013	100	135	0	0	0	8.8	51.5	68	41.3	1.4	212	79.6	Y
88	Cuyama	Central Coast Valleys	5/15/2013	200	135	0	0	0	8.8	51.2	68	41.2	2.4	128	78.7	Y
88	Cuyama	Central Coast Valleys	5/15/2013	300	135	0	0	0	8.5	49.9	70	40.4	1.8	154	77.8	Y
88	Cuyama	Central Coast Valleys	5/15/2013	400	135	0	0	0	8.7	49.3	73	40.9	3.2	139	76.9	Y
88	Cuyama	Central Coast Valleys	5/15/2013	500	135	0	0	1	8.4	49.4	70	40.2	4.6	130	76	Y
88	Cuyama	Central Coast Valleys	5/15/2013	600	135	0	0	112	8.5	50.3	68	40.2	5.4	120	75.2	Y
88	Cuyama	Central Coast Valleys	5/15/2013	700	135	0.01	0	474	8.9	56.4	57	41.5	5.6	95	74.4	Y
88	Cuyama	Central Coast Valleys	5/15/2013	800	135	0.01	0	886	8.2	65.2	39	39.5	2.8	90	73.7	Y
88	Cuyama	Central Coast Valleys	5/15/2013	900	135	0.02	0	1285	6.5	71.2	25	33.4	3	292	73.4	Y
88	Cuyama	Central Coast Valleys	5/15/2013	1000	135	0.02	0	1621	7.7	75.3	28	37.7	3.9	304	73.7	Y
88	Cuyama	Central Coast Valleys	5/15/2013	1100	135	0.03	0	1794	8.6	79.4	25	40.7	3.8	252	74.5	Y
88	Cuyama	Central Coast Valleys	5/15/2013	1200	135	0.03	0	1984	8.2	82.5	22	39.5	4.3	282	75.8	Y
88	Cuyama	Central Coast Valleys	5/15/2013	1300	135	0.03	0	1978	8	85	19	38.7	5.4	314	77.4	Y
88	Cuyama	Central Coast Valleys	5/15/2013	1400	135	0.03	0	1883	7.2	86.3	17	36.2	8.9	289	78.7	Y
88	Cuyama	Central Coast Valleys	5/15/2013	1500	135	0.03	0	1656	6.9	85.7	16	34.9	9.9	284	79.8	Y
88	Cuyama	Central Coast Valleys	5/15/2013	1600	135	0.02	0	1330	6.6	85	16	34	9.7	283	81.1	Y
88	Cuyama	Central Coast Valleys	5/15/2013	1700	135	0.02	0	941	6.6	82.3	17	33.8	10.4	285	82.2	Y
88	Cuyama	Central Coast Valleys	5/15/2013	1800	135	0.01	0	516	7.5	78.6	23	37.2	9.5	282	83	Y
88	Cuyama	Central Coast Valleys	5/15/2013	1900	135	0	0	127	8.9	72.7	32	41.4	8.7	278	83.4	Y
88	Cuyama	Central Coast Valleys	5/15/2013	2000	135	0	0	1	9.5	66.8	42	43.2	7.3	281	83.3	Y
88	Cuyama	Central Coast Valleys	5/15/2013	2100	135	0	0	0	10	62.7	51	44.8	4.2	282	82.9	Y
88	Cuyama	Central Coast Valleys	5/15/2013	2200	135	0	0	0	9.6	59.3	56	43.5	2.7	241	82.2	Y
88	Cuyama	Central Coast Valleys	5/15/2013	2300	135	0	0	0	9.3	56	61	42.7	2.2	159	81.4	Y
88	Cuyama	Central Coast Valleys	5/15/2013	2400	135	0	0	0	9.3	53.7	66	42.7	2.9	151	80.5	Y
88	Cuyama	Central Coast Valleys	5/16/2013	100	136	0	0	0	8.2	50.7	65	39.4	2.5	161	79.6	Y
88	Cuyama	Central Coast Valleys	5/16/2013	200	136	0	0	0	7.5	50	61	37	2.6	145	78.7	Y
88	Cuyama	Central Coast Valleys	5/16/2013	300	136	0	0	0	7.9	48.5	68	38.5	4.2	185	77.7	Y
88	Cuyama	Central Coast Valleys	5/16/2013	400	136	0	0	0	7.5	48.5	65	37.2	2.9	119	76.8	Y
88	Cuyama	Central Coast Valleys	5/16/2013	500	136	0	0	1	7.8	47	72	38.3	3.9	100	75.9	Y
88	Cuyama	Central Coast Valleys	5/16/2013	600	136	0	0	131	8.2	48.7	70	39.4	2.7	89	75	Y
88	Cuyama	Central Coast Valleys	5/16/2013	700	136	0	0	278	8.6	52.4	64	40.8	4.4	58	74.2	Y
88	Cuyama	Central Coast Valleys	5/16/2013	800	136	0.01	0	872	9.1	60.9	50	42	4.3	72	73.5	Y
88	Cuyama	Central Coast Valleys	5/16/2013	900	136	0.02	0	1274	8.4	67.7	36	39.9	4.2	103	73.1	Y
88	Cuyama	Central Coast Valleys	5/16/2013	1000	136	0.02	0	1532	8.6	70.5	34	40.6	5.4	71	73.3	Y
88	Cuyama	Central Coast Valleys	5/16/2013	1100	136	0.02	0	1474	8.8	70.6	35	41.3	7.8	349	73.9	Y
88	Cuyama	Central Coast Valleys	5/16/2013	1200	136	0.02	0	1410	8.8	71.5	33	41.1	9.7	359	74.9	Y
88	Cuyama	Central Coast Valleys	5/16/2013	1300	136	0.01	0	861	8.7	70.5	34	41	9.4	1	76.1	Y
88	Cuyama	Central Coast Valleys	5/16/2013	1400	136	0.02	0	1148	9.1	70.4	36	42	9.2	2	77	Y
88	Cuyama	Central Coast Valleys	5/16/2013	1500	136	0.01	0	932	9.2	70.2	37	42.3	8.3	358	77.6	Y
88	Cuyama	Central Coast Valleys	5/16/2013	1600	136	0.01	0	565	9.1	68.8	38	42	10.2	4	78.1	Y
88	Cuyama	Central Coast Valleys	5/16/2013	1700	136	0.01	0	495	9	66.9	40	41.9	10.3	360	78.5	Y
88	Cuyama	Central Coast Valleys	5/16/2013	1800	136	0.01	0	574	9.1	67.1	40	42.2	7	351	78.6	Y
88	Cuyama	Central Coast Valleys	5/16/2013	1900	136	0	0	134	9	65	43	41.8	4.9	63	78.6	Y
88	Cuyama	Central Coast Valleys	5/16/2013	2000	136	0	0	1	9.4	60.5	52	42.9	2.9	98	78.4	Y
88	Cuyama	Central Coast Valleys	5/16/2013	2100	136	0	0	0	9.4	58.8	56	43	4.8	149	78	Y
88	Cuyama	Central Coast Valleys	5/16/2013	2200	136	0	0	0	9.4	58.6	58	43	4.6	163	77.5	Y
88	Cuyama	Central Coast Valleys	5/16/2013	2300	136	0	0	0	9.4	57.9	57	42.9	1.9	169	76.8	Y
88	Cuyama	Central Coast Valleys	5/16/2013	2400	136	0	0	0	8.5	56.3	55	40.2	2.8	208	76.2	Y
88	Cuyama	Central Coast Valleys	5/17/2013	100	137	0	0	0	8.6	55.1	58	40.7	2.8	180	75.6	Y
88	Cuyama	Central Coast Valleys	5/17/2013	200	137	0	0	0	8.6	53.5	61	40.6	2.1	112	74.9	Y
88	Cuyama	Central Coast Valleys	5/17/2013	300	137	0	0	0	8.7	52.6	64	40.8	2.8	139	74.3	Y
88	Cuyama	Central Coast Valleys	5/17/2013	400	137	0	0	0	8.6	50.3	69	40.5	1.9	115	73.7	Y
88	Cuyama	Central Coast Valleys	5/17/2013	500	137	0	0	1	8.9	49.8	73	41.5	2.8	151	73	
88	Cuyama	Central Coast Valleys	5/17/2013	600	137	0	0	41	10.1	52.9	74	44.7	4.1	41	72.4	
88	Cuyama	Central Coast Valleys	5/17/2013	700	137	0	0	275	10.2	54.3	71	45	2.2	339	71.8	
88	Cuyama	Central Coast Valleys	5/17/2013	800	137	0.01	0	879	10.8	59.8	62	46.5	2.3	354	71.3	
88	Cuyama	Central Coast Valleys	5/17/2013	900	137	0.02	0	1258	10.9	62.1	57	46.7	3.1	104	71.1	
88	Cuyama	Central Coast Valleys	5/17/2013	1000	137	0.02	0	1518	10.7	65	51	46.3	3.6	88	71.4	
88	Cuyama	Central Coast Valleys	5/17/2013	1100	137	0.02	0	1323	11	65.4	51	47	4.8	56	72.2	Y
88	Cuyama	Central Coast Valleys	5/17/2013	1200	137	0.03	0	1883	10.4	68.3	44	45.6	4.7	44	73.2	Y

88	Cuyama	Central Coast Valleys	5/17/2013	1300	137	0.03		0	1840		10.8	70.2	43	46.5	6.4	343	74.4	Y
88	Cuyama	Central Coast Valleys	5/17/2013	1400	137	0.02		0	1336		9.4	72	35	42.9	7.8	343	75.5	Y
88	Cuyama	Central Coast Valleys	5/17/2013	1500	137	0.02		0	818		8.2	72.2	31	39.5	11.1	332	76.4	Y
88	Cuyama	Central Coast Valleys	5/17/2013	1600	137	0.01		0	588		8.3	71.9	31	39.6	9.1	334	77.3	Y
88	Cuyama	Central Coast Valleys	5/17/2013	1700	137	0.01		0	973		8.8	72.6	32	41.2	8.6	336	77.8	Y
88	Cuyama	Central Coast Valleys	5/17/2013	1800	137	0.01		0	588		9.3	71.1	36	42.5	8.6	303	78.2	Y
88	Cuyama	Central Coast Valleys	5/17/2013	1900	137	0		0	143		9.1	66.4	41	42.1	9.4	283	78.4	Y
88	Cuyama	Central Coast Valleys	5/17/2013	2000	137	0		0	1		8	63	40	38.6	7.5	279	78.4	Y
88	Cuyama	Central Coast Valleys	5/17/2013	2100	137	0		0	0		8.1	61	44	39.2	6.1	271	78.2	Y
88	Cuyama	Central Coast Valleys	5/17/2013	2200	137	0		0	0		8.5	58	52	40.3	4.2	278	77.7	Y
88	Cuyama	Central Coast Valleys	5/17/2013	2300	137	0		0	0		8.6	55.7	57	40.5	3.5	268	77.1	Y
88	Cuyama	Central Coast Valleys	5/17/2013	2400	137	0		0	0		8.5	53.5	61	40.2	3.6	258	76.4	Y
88	Cuyama	Central Coast Valleys	5/18/2013	100	138	0		0	0		8	51	63	38.9	2.2	239	75.7	Y
88	Cuyama	Central Coast Valleys	5/18/2013	200	138	0		0	0		7.7	48.5	66	37.7	3.5	181	74.9	Y
88	Cuyama	Central Coast Valleys	5/18/2013	300	138	0		0	0		7.6	47.6	68	37.5	2.7	170	74.2	Y
88	Cuyama	Central Coast Valleys	5/18/2013	400	138	0		0	0		7.3	46.1	68	36.3	1.7	122	73.4	
88	Cuyama	Central Coast Valleys	5/18/2013	500	138	0		0	2		7.1	44.2	72	35.7	3.4	161	72.6	
88	Cuyama	Central Coast Valleys	5/18/2013	600	138	0		0	121		7.2	45.9	69	36.2	3.3	139	71.9	
88	Cuyama	Central Coast Valleys	5/18/2013	700	138	0.01		0	483		8.6	51.9	65	40.5	3.5	51	71.2	
88	Cuyama	Central Coast Valleys	5/18/2013	800	138	0.01		0	889		8.3	58.4	50	39.7	3.3	40	70.8	
88	Cuyama	Central Coast Valleys	5/18/2013	900	138	0.02		0	1286		7.7	63.4	39	37.7	3.9	85	70.2	
88	Cuyama	Central Coast Valleys	5/18/2013	1000	138	0.02		0	1627		6.7	66.6	30	34.3	6.5	92	70.1	
88	Cuyama	Central Coast Valleys	5/18/2013	1100	138	0.03		0	1863		6.5	68.3	27	33.4	7.8	104	70.6	
88	Cuyama	Central Coast Valleys	5/18/2013	1200	138	0.03		0	1980		7	70.8	27	35.2	6.7	350	71.5	
88	Cuyama	Central Coast Valleys	5/18/2013	1300	138	0.03		0	1989		7	72.2	26	35.3	7.9	356	72.8	Y
88	Cuyama	Central Coast Valleys	5/18/2013	1400	138	0.03		0	1887		6	73.7	21	31.4	8	360	73.9	Y
88	Cuyama	Central Coast Valleys	5/18/2013	1500	138	0.03		0	1664		5.5	74.9	19	29.8	8.4	353	75	Y
88	Cuyama	Central Coast Valleys	5/18/2013	1600	138	0.02		0	1345		4.8	75.5	15	25.3	9.1	343	76.3	Y
88	Cuyama	Central Coast Valleys	5/18/2013	1700	138	0.02		0	954		4.2	74.9	14	22.8	9.5	340	77.5	Y
88	Cuyama	Central Coast Valleys	5/18/2013	1800	138	0.01		0	541		4.2	73.5	15	22.7	10.3	340	78.5	Y
88	Cuyama	Central Coast Valleys	5/18/2013	1900	138	0		0	158		4.3	71.1	17	23.7	7.2	336	79	Y
88	Cuyama	Central Coast Valleys	5/18/2013	2000	138	0		0	2		4.4	67.2	19	23.8	4	342	79.2	Y
88	Cuyama	Central Coast Valleys	5/18/2013	2100	138	0		0	0		5.3	63.8	26	28.3	3.3	27	78.9	Y
88	Cuyama	Central Coast Valleys	5/18/2013	2200	138	0		0	0		5.8	59.6	33	30.6	2.3	101	78.5	Y
88	Cuyama	Central Coast Valleys	5/18/2013	2300	138	0		0	0		5.5	57.1	35	29.4	2.9	183	77.8	Y
88	Cuyama	Central Coast Valleys	5/18/2013	2400	138	0		0	0		4.8	54.5	33	26	5.4	194	77.1	Y
88	Cuyama	Central Coast Valleys	5/19/2013	100	139	0		0	0		5.6	53.5	40	30	4.3	158	76.3	Y
88	Cuyama	Central Coast Valleys	5/19/2013	200	139	0		0	0		6.1	50.3	49	31.8	3.9	187	75.5	Y
88	Cuyama	Central Coast Valleys	5/19/2013	300	139	0		0	0		6.2	47.8	54	32.2	3.3	40	74.7	Y
88	Cuyama	Central Coast Valleys	5/19/2013	400	139	0		0	0		6.4	46.1	60	33.1	2.4	33	73.9	Y
88	Cuyama	Central Coast Valleys	5/19/2013	500	139	0		0	2		6.7	46.4	62	34.2	2.7	89	73.2	
88	Cuyama	Central Coast Valleys	5/19/2013	600	139	0		0	131		7.2	47.9	63	36	2.8	42	72.4	
88	Cuyama	Central Coast Valleys	5/19/2013	700	139	0.01		0	508		8.3	57	52	39.7	3.1	19	71.7	
88	Cuyama	Central Coast Valleys	5/19/2013	800	139	0.01		0	913		9.1	64.4	44	42	7.8	87	71.2	
88	Cuyama	Central Coast Valleys	5/19/2013	900	139	0.02		0	1303		9.1	66.4	41	42.2	7.8	354	70.8	
88	Cuyama	Central Coast Valleys	5/19/2013	1000	139	0.02		0	1633		8.9	68.5	38	41.6	8.5	356	70.8	
88	Cuyama	Central Coast Valleys	5/19/2013	1100	139	0.03		0	1869		8.6	70.5	34	40.6	10.1	351	71.3	
88	Cuyama	Central Coast Valleys	5/19/2013	1200	139	0.03		0	1989		8.4	72.1	31	40	9.7	348	72.4	Y
88	Cuyama	Central Coast Valleys	5/19/2013	1300	139	0.03		0	1999		8.1	74.2	28	39.1	8.9	353	73.9	Y
88	Cuyama	Central Coast Valleys	5/19/2013	1400	139	0.03		0	1892		7.7	75.8	25	37.7	9.3	351	75	Y
88	Cuyama	Central Coast Valleys	5/19/2013	1500	139	0.03		0	1666		7.7	77	24	37.8	9.7	345	76.1	Y
88	Cuyama	Central Coast Valleys	5/19/2013	1600	139	0.02		0	1349		7.1	77.6	22	35.8	10	332	77.4	Y
88	Cuyama	Central Coast Valleys	5/19/2013	1700	139	0.02		0	958		6.6	77.5	20	33.8	10.6	340	78.6	Y
88	Cuyama	Central Coast Valleys	5/19/2013	1800	139	0.01		0	536		6.6	76.3	21	33.8	10.1	352	79.5	Y
88	Cuyama	Central Coast Valleys	5/19/2013	1900	139	0.01		0	150		6.8	73.8	24	34.6	8.7	344	80.1	Y
88	Cuyama	Central Coast Valleys	5/19/2013	2000	139	0		0	2		7	70	28	35.5	5.8	1	80.2	Y
88	Cuyama	Central Coast Valleys	5/19/2013	2100	139	0		0	0		7.4	64.8	35	36.7	4.8	120	80	Y
88	Cuyama	Central Coast Valleys	5/19/2013	2200	139	0		0	0		7.5	59.5	43	37	4.4	165	79.5	Y
88	Cuyama	Central Coast Valleys	5/19/2013	2300	139	0		0	0		6.9	57.7	43	35.1	4.7	182	78.9	Y
88	Cuyama	Central Coast Valleys	5/19/2013	2400	139	0		0	0		7.6	54.2	53	37.3	3.7	108	78.2	Y
88	Cuyama	Central Coast Valleys	5/20/2013	100	140	0		0	0		7.8	52.3	58	38.1	3.8	109	77.4	Y
88	Cuyama	Central Coast Valleys	5/20/2013	200	140	0		0	0		7.8	50.5	62	38	3.8	110	76.6	Y
88	Cuyama	Central Coast Valleys	5/20/2013	300	140	0		0	0		7.6	49.9	62	37.5	5.4	98	75.8	Y
88	Cuyama	Central Coast Valleys	5/20/2013	400	140	0		0	0		7.4	48.2	64	36.7	4.6	112	74.9	Y
88	Cuyama	Central Coast Valleys	5/20/2013	500	140	0		0	2		7.2	47.9	63	35.9	4.5	113	74.2	Y
88	Cuyama	Central Coast Valleys	5/20/2013	600	140	0		0	133		7.5	48.5	64	37	5.6	99	73.4	Y
88	Cuyama	Central Coast Valleys	5/20/2013	700	140	0.01		0	508		8.2	56	54	39.4	6.2	89	72.7	Y
88	Cuyama	Central Coast Valleys	5/20/2013	800	140	0.01		0	910		8	65.2	38	38.7	5.6	87	72.1	
88	Cuyama	Central Coast Valleys	5/20/2013	900	140	0.02		0	1311		7	72.1	26	35.3	3.4	136	71.7	
88	Cuyama	Central Coast Valleys	5/20/2013	1000	140	0.02		0	1646		7.2	75.8	23	36	3.8	117	71.6	
88	Cuyama	Central Coast Valleys	5/20/2013	1100	140	0.03		0	1879		7.2	79.2	21	36.1	5.4	67	72	Y
88	Cuyama	Central Coast Valleys	5/20/2013	1200	140	0.03		0	2001		7.2	80.7	20	36	6.1	342	73.1	Y
88	Cuyama	Central Coast Valleys	5/20/2013	1300	140	0.03		0	2018		6.7	83.3	17	34.3	5.5	339	74.6	Y
88	Cuyama	Central Coast Valleys	5/20/2013	1400	140	0.03		0	1906		6	84.8	15	31.7	6.8	4	76	Y
88	Cuyama	Central Coast Valleys	5/20/2013	1500	140	0.03		0	1677		5.8	86	14	30.9	6.4	13	77.2	Y
88	Cuyama	Central Coast Valleys	5/20/2013	1600	140	0.02		0	1347		5.4	86.3	13	29.1	8.1	352	78.5	Y
88	Cuyama	Central Coast Valleys	5/20/2013	1700	140	0.02		0	952		5.3	86.1	12	28.5	8.3	349	79.9	Y
88	Cuyama	Central Coast Valleys	5/20/2013	1800	140	0.01		0	526		5.3	84.5	13	28.7	9.7	347	80.9	Y
88	Cuyama	Central Coast Valleys	5/20/2013	1900	140	0.01		0	154		5.6	80.9	15	29.7	7.7	343	81.6	Y
88	Cuyama	Central Coast Valleys	5/20/2013	2000	140	0	Y	0	2		6.6	75.9	Y 22	Y 34	Y 3.2	286	81.8	Y
88	Cuyama	Central Coast Valleys	5/20/2013	2100	140	0		0	0		7	67.8	30	35.4	3.2	205	81.7	Y
88	Cuyama	Central Coast Valleys	5/20/2013	2200	140	0		0	0		6.3	63.9	31	32.8	4.4	201	81.2	Y
88	Cuyama	Central Coast Valleys	5/20/2013	2300	140	0		0	0		6.3	62.2	33	32.8	4.5	158	80.6	Y
88	Cuyama	Central Coast Valleys	5/20/2013	2400	140	0		0	0		7.1	57.2	45	35.9	3.6	137	79.9	Y
88	Cuyama	Central Coast Valleys	5/21/2013	100	141	0		0	0		7.1	56.2	46	35.6	4.5	120	79.1	Y

88	Cuyama	Central Coast Valleys	5/21/2013	200	141	0	0	0	7.5	54.1	52	37.1	5.6	111	78.3	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	300	141	0	0	0	7.5	53.3	54	37.2	5.4	106	77.5	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	400	141	0	0	0	7.1	52.9	52	35.8	6.5	103	76.7	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	500	141	0	0	2	7.2	52.4	54	36.2	5.6	113	75.9	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	600	141	0	0	114	7	54	49	35.3	6.7	103	75.1	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	700	141	0.01	0	475	7.4	60.4	41	36.9	7.4	90	74.4	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	800	141	0.01	0	912	7.6	69.3	31	37.5	7.1	98	73.9	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	900	141	0.02	0	1147	7.2	77.1	23	36.1	3.5	86	73.5	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	1000	141	0.02	0	1422	6.6	82.2	18	34	3	37	73.4	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	1100	141	0.03	0	1778	6.4	84.3	16	33	4.7	298	73.9	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	1200	141	0.03	0	1987	6.1	86	14	32.1	5.6	315	74.9	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	1300	141	0.03	0	2009	7	86.1	16	35.4	8.2	48	76.3	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	1400	141	0.03	0	1755	6.8	86.7	16	34.5	8.9	7	77.6	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	1500	141	0.03	0	1635	6.3	87.6	14	32.6	9	344	78.7	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	1600	141	0.02	0	1333	6.6	86.1	15	33.7	9.5	290	79.9	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	1700	141	0.02	0	936	6.9	82.7	18	34.9	10.1	288	81.1	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	1800	141	0.01	0	522	8.2	78.8	24	39.4	10.8	288	82.1	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	1900	141	0.01	0	158	8.6	73.7	30	40.6	9.1	281	82.6	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	2000	141	0	0	2	7.9	68.3	33	38.5	8.1	273	82.7	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	2100	141	0	0	0	7.5	65.2	36	37.3	6.2	271	82.4	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	2200	141	0	0	0	7.7	60.2	43	37.9	5.1	274	81.9	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	2300	141	0	0	0	7.3	56.6	47	36.6	3.3	255	81.1	Y	
88	Cuyama	Central Coast Valleys	5/21/2013	2400	141	0	0	0	7.2	52.9	53	36.2	2	145	80.3	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	100	142	0	0	0	7.7	51	60	37.8	2.9	180	79.4	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	200	142	0	0	0	7	49.2	58	35.3	2.9	187	78.5	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	300	142	0	0	0	6.7	49	57	34.4	3.6	159	77.6	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	400	142	0	0	0	5.7	49.1	48	30.2	2	42	76.7	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	500	142	0	0	2	5.7	47.3	52	30.4	3.1	138	75.8	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	600	142	0	0	136	6.3	49.1	53	32.7	7.9	132	74.9	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	700	142	0.01	0	510	6.6	53.5	47	33.8	9.8	89	74	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	800	142	0.01	0	913	6.7	55.4	45	34.4	8.7	42	73.3	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	900	142	0.02	0	1304	6.2	56.8	39	32.4	10.4	352	72.8	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	1000	142	0.02	0	1642	5.7	58.6	34	30.1	7.3	346	72.5	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	1100	142	0.02	0	1875	5.6	61	31	30	6.7	351	72.7	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	1200	142	0.03	0	1993	5.5	63.9	27	29.5	9	350	73.5	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	1300	142	0.03	0	1995	5.3	65.2	25	28.3	8.8	351	74.8	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	1400	142	0.03	0	1892	5	66.5	23	27.3	6.7	6	75.8	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	1500	142	0.02	0	1664	5	67.9	22	27.2	7.4	4	76.6	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	1600	142	0.02	0	1339	4.7	68.6	20	25.8	8.2	348	77.6	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	1700	142	0.02	0	948	4.5	67.8	20	24.8	10.5	343	78.7	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	1800	142	0.01	0	528	4.3	65.8	20	23.5	11.5	348	79.4	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	1900	142	0.01	0	148	4.1	63.1	21	22.4	9.7	347	79.8	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	2000	142	0	0	2	4.1	59.5	24	22.5	5.3	21	79.7	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	2100	142	0	0	0	4.3	57.1	27	23.5	3.4	49	79.3	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	2200	142	0	0	0	3.9	56	25	20.9	4.8	358	78.6	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	2300	142	0	0	0	3.7	53.5	26	19.9	4.5	33	77.8	Y	
88	Cuyama	Central Coast Valleys	5/22/2013	2400	142	0	0	0	3.7	47.4	33	20	5.4	189	77	Y	
88	Cuyama	Central Coast Valleys	5/23/2013	100	143	0	0	0	3.6	46.1	34	19.1	4.4	181	76.1	Y	
88	Cuyama	Central Coast Valleys	5/23/2013	200	143	0	0	0	4.1	43	43	22.1	1.7	128	75.2	Y	
88	Cuyama	Central Coast Valleys	5/23/2013	300	143	0	0	0	4.8	40.2	57	26.2	3.5	88	74.3	Y	
88	Cuyama	Central Coast Valleys	5/23/2013	400	143	0	0	0	4.7	38.6	59	25.4	4.5	95	73.4		
88	Cuyama	Central Coast Valleys	5/23/2013	500	143	0	0	2	4.2	37.5	55	22.7	3.7	32	72.6		
88	Cuyama	Central Coast Valleys	5/23/2013	600	143	0	0	138	4.5	37.8	58	24.6	4.4	55	71.7		
									Averages	37.7	57	23.7	4.1				
88	Cuyama	Central Coast Valleys	5/23/2013	700	143	0.01	0	515	5.2	44.9	51	27.8	4.5	60	70.9		
88	Cuyama	Central Coast Valleys	5/23/2013	800	143	0.01	0	922	4.8	53.3	34	26	3.5	16	71		
88	Cuyama	Central Coast Valleys	5/23/2013	900	143	0.02	0	1308	5.6	55.9	37	29.8	3	76		M	
88	Cuyama	Central Coast Valleys	5/23/2013	1000	143	0.02	0	1650	6.1	57.5	38	32	4	349		M	
88	Cuyama	Central Coast Valleys	5/23/2013	1100	143	0.02	0	1902	5.5	61.5	30	29.4	4.5	11		M	
88	Cuyama	Central Coast Valleys	5/23/2013	1200	143	0.03	0	2020	5.4	64.5	26	28.7	4.7	3		M	
88	Cuyama	Central Coast Valleys	5/23/2013	1300	143	0.03	0	2030	5.3	66	24	28.7	5.7	326		M	
88	Cuyama	Central Coast Valleys	5/23/2013	1400	143	0.03	0	1910	5.3	69.1	22	28.6	7.3	42		M	
88	Cuyama	Central Coast Valleys	5/23/2013	1500	143	0.02	0	1677	4.9	70.1	20	26.7	9	71	73.2		
88	Cuyama	Central Coast Valleys	5/23/2013	1600	143	0.02	0	1359	5	70.2	20	27.1	9.4	28	72.6		
88	Cuyama	Central Coast Valleys	5/23/2013	1700	143	0.02	0	973	5.1	69.1	21	27.5	10.5	30	72.8		
88	Cuyama	Central Coast Valleys	5/23/2013	1800	143	0.01	0	559	5.2	67.2	23	28	10.9	3	72.9		
88	Cuyama	Central Coast Valleys	5/23/2013	1900	143	0.01	0	174	4.8	64.5	23	26.3	9.6	7	72.8		
88	Cuyama	Central Coast Valleys	5/23/2013	2000	143	0	0	3	5.5	59.6	32	29.4	4	28		M	
88	Cuyama	Central Coast Valleys	5/23/2013	2100	143	0	0	0	7.2	54.1	51	36.2	3.6	260		S	
88	Cuyama	Central Coast Valleys	5/23/2013	2200	143	0	0	3	7.2	51.2	56	38.1	3	261		S	
88	Cuyama	Central Coast Valleys	5/23/2013	2300	143	0	0	5	5.9	46.7	55	31.3	3.5	166		S	
88	Cuyama	Central Coast Valleys	5/23/2013	2400	143	0	0	6	5.6	44.5	56	29.8	1.7	233		S	
88	Cuyama	Central Coast Valleys	5/24/2013	100	144	0	0	6	6.3	44.6	63	32.8	3.6	91		S	
88	Cuyama	Central Coast Valleys	5/24/2013	200	144	0	0	1	6.1	45.4	59	31.9	4.9	107		S	
88	Cuyama	Central Coast Valleys	5/24/2013	300	144	0	0	6	5.4	44	55	28.8	3.4	207		S	
88	Cuyama	Central Coast Valleys	5/24/2013	400	144	0	0	7	5.4	42.4	58	28.9	3.9	61		S	
88	Cuyama	Central Coast Valleys	5/24/2013	500	144	0	0	4	5.7	39.3	70	30.2	4.1	82		S	
88	Cuyama	Central Coast Valleys	5/24/2013	600	144	0	0	146	6.3	40.6	74	32.9	4.5	89		S	
88	Cuyama	Central Coast Valleys	5/24/2013	700	144	0.01	0	540	6.9	46.7	63	34.9	5.2	58	76.9	Y	
88	Cuyama	Central Coast Valleys	5/24/2013	800	144	0.01	0	943	7.2	55.9	47	36.2	4.8	104		S	
88	Cuyama	Central Coast Valleys	5/24/2013	900	144	0.02	0	1334	7.2	60	40	36	3.7	131	61.1		
88	Cuyama	Central Coast Valleys	5/24/2013	1000	144	0.02	0	1660	6.9	62.9	35	35.1	4.2	169	61.5		
88	Cuyama	Central Coast Valleys	5/24/2013	1100	144	0.02	0	1894	6.8	65.9	31	34.8	4.8	150	62.3		
88	Cuyama	Central Coast Valleys	5/24/2013	1200	144	0.03	0	2022	7	68.9	29	35.4	4	286	63.4		
88	Cuyama	Central Coast Valleys	5/24/2013	1300	144	0.03	0	2030	6.9	71.5	26	35.1	4.6	9	64.5		

88	Cuyama	Central Coast Valleys	5/24/2013	1400	144	0.03	0	1927	6.8	73.5	24	34.5	4.7	333	65.5
88	Cuyama	Central Coast Valleys	5/24/2013	1500	144	0.02	0	1695	6.8	75.4	23	34.6	5.3	345	66.5
88	Cuyama	Central Coast Valleys	5/24/2013	1600	144	0.02	0	1369	7.3	75.3	24	36.6	10.1	284	67.7
88	Cuyama	Central Coast Valleys	5/24/2013	1700	144	0.02	0	982	7.3	73.1	26	36.6	9.7	282	68.8
88	Cuyama	Central Coast Valleys	5/24/2013	1800	144	0.01	0	552	7.4	69.5	30	36.8	9.8	284	69.7
88	Cuyama	Central Coast Valleys	5/24/2013	1900	144	0	0	168	7.1	65.2	34	35.9	8.8	279	70.2
88	Cuyama	Central Coast Valleys	5/24/2013	2000	144	0	0	3	7.2	60.5	40	36.1	7.8	273	70.1
88	Cuyama	Central Coast Valleys	5/24/2013	2100	144	0	0	0	7.2	57.7	44	36.2	8.3	264	69.6
88	Cuyama	Central Coast Valleys	5/24/2013	2200	144	0	0	0	6.6	55.3	44	34	6.2	256	69.2
88	Cuyama	Central Coast Valleys	5/24/2013	2300	144	0	0	0	6.7	52.5	50	34.2	2.6	242	68.5
88	Cuyama	Central Coast Valleys	5/24/2013	2400	144	0	0	0	6.6	47.9	58	33.8	2.7	167	67.8
88	Cuyama	Central Coast Valleys	5/25/2013	100	145	0	0	0	6.3	44.4	63	32.6	3.6	167	67
88	Cuyama	Central Coast Valleys	5/25/2013	200	145	0	0	0	6.5	43.8	67	33.6	3	126	66.3
88	Cuyama	Central Coast Valleys	5/25/2013	300	145	0	0	0	6.7	43.6	69	34.2	4.4	129	65.5
88	Cuyama	Central Coast Valleys	5/25/2013	400	145	0	0	0	6.3	41.5	70	32.6	2.5	134	64.7
88	Cuyama	Central Coast Valleys	5/25/2013	500	145	0	0	3	6.4	41.4	72	33.2	4.1	104	63.9
88	Cuyama	Central Coast Valleys	5/25/2013	600	145	0	0	152	6.7	43.4	70	34.3	5	103	63.2
88	Cuyama	Central Coast Valleys	5/25/2013	700	145	0.01	0	522	7.2	50	59	36.2	6	86	62.5
88	Cuyama	Central Coast Valleys	5/25/2013	800	145	0.01	0	883	7.2	57.8	44	36.2	4.7	92	61.9
88	Cuyama	Central Coast Valleys	5/25/2013	900	145	0.02	0	1336	6.6	64.7	32	34	3.9	86	61.7
88	Cuyama	Central Coast Valleys	5/25/2013	1000	145	0.02	0	1666	6.4	69.2	26	33.2	3.4	322	62
88	Cuyama	Central Coast Valleys	5/25/2013	1100	145	0.03	0	1898	6.5	71.7	24	33.4	5.1	319	63.1
88	Cuyama	Central Coast Valleys	5/25/2013	1200	145	0.03	0	2011	6.1	73.5	22	32.1	5.3	305	64.7
88	Cuyama	Central Coast Valleys	5/25/2013	1300	145	0.03	0	2020	6.1	76.1	20	32	5.1	297	66.6
88	Cuyama	Central Coast Valleys	5/25/2013	1400	145	0.03	0	1910	6.3	77	20	32.9	7.2	290	68
88	Cuyama	Central Coast Valleys	5/25/2013	1500	145	0.03	0	1677	7.6	77.1	24	37.5	9.2	288	69.3
88	Cuyama	Central Coast Valleys	5/25/2013	1600	145	0.02	0	1358	7.7	75.3	26	37.8	10.2	288	70.6
88	Cuyama	Central Coast Valleys	5/25/2013	1700	145	0.02	0	976	7	73.1	25	35.4	10.3	283	71.8
88	Cuyama	Central Coast Valleys	5/25/2013	1800	145	0.01	0	565	6.3	69.8	25	32.8	9.9	276	72.6
88	Cuyama	Central Coast Valleys	5/25/2013	1900	145	0.01	0	174	5.4	64.8	28	29.2	9.6	270	73
88	Cuyama	Central Coast Valleys	5/25/2013	2000	145	0	0	3	6.3	60.3	35	32.8	8.7	267	72.9
88	Cuyama	Central Coast Valleys	5/25/2013	2100	145	0	0	0	7.1	57.1	45	35.9	7	267	72.4
88	Cuyama	Central Coast Valleys	5/25/2013	2200	145	0	0	0	7.9	53.8	56	38.6	4.3	265	71.7
88	Cuyama	Central Coast Valleys	5/25/2013	2300	145	0	0	0	8	51.8	61	38.7	2.9	273	70.9
88	Cuyama	Central Coast Valleys	5/25/2013	2400	145	0	0	0	7.8	48.7	67	38.1	2.3	122	70.1
88	Cuyama	Central Coast Valleys	5/26/2013	100	146	0	0	0	7.1	46.2	66	35.6	3.2	174	69.3
88	Cuyama	Central Coast Valleys	5/26/2013	200	146	0	0	0	6.8	44.6	68	34.5	1.6	152	68.5
88	Cuyama	Central Coast Valleys	5/26/2013	300	146	0	0	0	6.4	44.6	63	33	2.5	192	67.6
88	Cuyama	Central Coast Valleys	5/26/2013	400	146	0	0	0	5.6	42.1	61	29.8	2.4	212	66.8
88	Cuyama	Central Coast Valleys	5/26/2013	500	146	0	0	3	6.2	42.2	68	32.4	3.1	130	66
88	Cuyama	Central Coast Valleys	5/26/2013	600	146	0	0	150	7	44.8	69	35.4	2.5	144	65.2
88	Cuyama	Central Coast Valleys	5/26/2013	700	146	0.01	0	519	7.4	52.9	54	36.7	2.6	101	64.4
88	Cuyama	Central Coast Valleys	5/26/2013	800	146	0.01	0	911	7.3	58.4	44	36.5	2.8	58	63.9
88	Cuyama	Central Coast Valleys	5/26/2013	900	146	0.02	0	1293	8	62.2	42	38.9	4.5	54	63.7
88	Cuyama	Central Coast Valleys	5/26/2013	1000	146	0.02	0	1621	8	64.7	38	38.6	4.7	47	64.1
88	Cuyama	Central Coast Valleys	5/26/2013	1100	146	0.03	0	1856	7.8	66.5	35	38	6.5	353	65
88	Cuyama	Central Coast Valleys	5/26/2013	1200	146	0.03	0	1984	7.7	68.8	32	37.8	6.2	359	66.4
88	Cuyama	Central Coast Valleys	5/26/2013	1300	146	0.03	0	1995	7.5	70.8	29	37.3	6.4	349	68.1
88	Cuyama	Central Coast Valleys	5/26/2013	1400	146	0.03	0	1896	7.2	72.7	26	36.2	6.4	349	69.4
88	Cuyama	Central Coast Valleys	5/26/2013	1500	146	0.03	0	1677	7.4	74	26	36.7	7.8	356	70.5
88	Cuyama	Central Coast Valleys	5/26/2013	1600	146	0.02	0	1360	7.4	74.4	25	36.8	7.8	350	71.8
88	Cuyama	Central Coast Valleys	5/26/2013	1700	146	0.02	0	975	7.4	74.5	25	36.8	10.2	349	73
88	Cuyama	Central Coast Valleys	5/26/2013	1800	146	0.01	0	564	7.6	73.3	27	37.5	10.1	344	73.9
88	Cuyama	Central Coast Valleys	5/26/2013	1900	146	0	0	166	8.5	70.3	33	40.2	6.6	317	74.4
88	Cuyama	Central Coast Valleys	5/26/2013	2000	146	0	0	2	9.8	64	48	44	7.9	280	74.5
88	Cuyama	Central Coast Valleys	5/26/2013	2100	146	0	0	0	10	61	54	44.4	5.7	284	74.2
88	Cuyama	Central Coast Valleys	5/26/2013	2200	146	0	0	0	10.1	59.2	59	44.8	5	279	73.7
88	Cuyama	Central Coast Valleys	5/26/2013	2300	146	0	0	0	10	57.2	62	44.5	3.4	280	73.1
88	Cuyama	Central Coast Valleys	5/26/2013	2400	146	0	0	0	9.3	54.2	65	42.7	3.1	215	72.3
88	Cuyama	Central Coast Valleys	5/27/2013	100	147	0	0	0	9	52.3	68	41.9	1.5	168	71.6
88	Cuyama	Central Coast Valleys	5/27/2013	200	147	0	0	0	8.6	49.2	72	40.6	3.1	146	70.8
88	Cuyama	Central Coast Valleys	5/27/2013	300	147	0	0	0	8.8	48.9	75	41.3	3	122	70
88	Cuyama	Central Coast Valleys	5/27/2013	400	147	0	0	0	9.3	50.9	73	42.6	5.3	103	69.2
88	Cuyama	Central Coast Valleys	5/27/2013	500	147	0	0	3	9	51	71	41.8	7.1	135	68.4
88	Cuyama	Central Coast Valleys	5/27/2013	600	147	0	0	156	9	52.2	67	41.7	7	119	67.7
88	Cuyama	Central Coast Valleys	5/27/2013	700	147	0.01	0	522	8.9	55.9	58	41.5	8.4	123	66.9
88	Cuyama	Central Coast Valleys	5/27/2013	800	147	0.01	0	917	8.5	58.8	50	40.4	7.3	110	66.4
88	Cuyama	Central Coast Valleys	5/27/2013	900	147	0.02	0	1301	8	61.9	42	38.7	4.5	65	66.1
88	Cuyama	Central Coast Valleys	5/27/2013	1000	147	0.02	0	1627	7.5	64.7	36	37.1	4.4	106	66.4
88	Cuyama	Central Coast Valleys	5/27/2013	1100	147	0.03	0	1854	8	66.9	35	38.6	7.5	344	67.2
88	Cuyama	Central Coast Valleys	5/27/2013	1200	147	0.03	0	1941	7.9	68.8	33	38.5	8	349	68.7
88	Cuyama	Central Coast Valleys	5/27/2013	1300	147	0.03	0	1976	6.8	71.6	26	34.6	8.8	360	70.4
88	Cuyama	Central Coast Valleys	5/27/2013	1400	147	0.03	0	1842	6.3	73.3	23	32.8	9.1	350	71.6
88	Cuyama	Central Coast Valleys	5/27/2013	1500	147	0.02	0	1296	5.7	73.5	20	30.3	10.8	345	72.6
88	Cuyama	Central Coast Valleys	5/27/2013	1600	147	0.02	0	954	6.1	72.2	23	32	9.6	339	73.5
88	Cuyama	Central Coast Valleys	5/27/2013	1700	147	0.01	0	624	7	71.7	26	35.4	10.9	341	74.2
88	Cuyama	Central Coast Valleys	5/27/2013	1800	147	0.01	0	317	7.4	70.1	30	36.8	9.8	348	74.7
88	Cuyama	Central Coast Valleys	5/27/2013	1900	147	0.01	0	121	7.8	68.2	33	38.2	10.4	348	74.8
88	Cuyama	Central Coast Valleys	5/27/2013	2000	147	0	0	4	9.9	65.1	47	44.2	10.9	354	74.6
88	Cuyama	Central Coast Valleys	5/27/2013	2100	147	0	0	0	11	62.6	56	46.9	5.6	10	74.3
88	Cuyama	Central Coast Valleys	5/27/2013	2200	147	0	0	0	11.5	61.6	62	48.3	7.3	351	73.7
88	Cuyama	Central Coast Valleys	5/27/2013	2300	147	0	0	0	11.4	59.9	65	47.9	5.6	13	73.1
88	Cuyama	Central Coast Valleys	5/27/2013	2400	147	0	0	0	11.1	58.8	65	47.2	4.9	38	72.5
88	Cuyama	Central Coast Valleys	5/28/2013	100	148	0	0	0	10.8	56	71	46.6	3.8	143	71.8
88	Cuyama	Central Coast Valleys	5/28/2013	200	148	0	0	0	11	54.7	76	47.2	6.1	128	71.2

88	Cuyama	Central Coast Valleys	5/28/2013	300	148	0	0	0	11.2	53.7	80	47.6	5.6	125	70.5		
88	Cuyama	Central Coast Valleys	5/28/2013	400	148	0	0	0	11.7	54.4	81	48.7	5	98	69.8		
88	Cuyama	Central Coast Valleys	5/28/2013	500	148	0	0	1	11.7	54.7	80	48.6	4.9	93	69.2		
88	Cuyama	Central Coast Valleys	5/28/2013	600	148	0	0	55	11.6	55.3	78	48.5	4.2	140	68.6		
88	Cuyama	Central Coast Valleys	5/28/2013	700	148	0	0	198	11.7	55.7	78	48.8	4	139	68.1		
88	Cuyama	Central Coast Valleys	5/28/2013	800	148	0.01	0	622	12	57.9	73	49.4	3.6	119	67.7		
88	Cuyama	Central Coast Valleys	5/28/2013	900	148	0.01	0	750	12.3	60.6	68	50	3.6	106	67.4		
88	Cuyama	Central Coast Valleys	5/28/2013	1000	148	0.01	0	612	12.5	62.2	65	50.4	5.5	37	67.4		
88	Cuyama	Central Coast Valleys	5/28/2013	1100	148	0.02	0	1710	13.1	64.2	64	51.8	9.6	357	67.7		
88	Cuyama	Central Coast Valleys	5/28/2013	1200	148	0.03	0	1805	13.3	65.7	62	52.2	9.6	352	68.2		
88	Cuyama	Central Coast Valleys	5/28/2013	1300	148	0.03	0	2005	13.3	67.7	57	52.1	10.2	351	69.1		
88	Cuyama	Central Coast Valleys	5/28/2013	1400	148	0.03	0	1892	13	70	52	51.4	9.3	355	70		
88	Cuyama	Central Coast Valleys	5/28/2013	1500	148	0.03	0	1501	11	73.9	39	47.1	11.5	335	70.9		
88	Cuyama	Central Coast Valleys	5/28/2013	1600	148	0.02	0	1342	10.4	74.3	36	45.7	12.5	335	72		
88	Cuyama	Central Coast Valleys	5/28/2013	1700	148	0.02	0	896	10.8	73.5	38	46.6	11.2	337	73.1		
88	Cuyama	Central Coast Valleys	5/28/2013	1800	148	0.01	0	559	11.4	72.5	42	48	9.3	346	73.9		
88	Cuyama	Central Coast Valleys	5/28/2013	1900	148	0	0	182	11.2	70.6	44	47.6	9.2	352	74.4		
88	Cuyama	Central Coast Valleys	5/28/2013	2000	148	0	0	4	11	68	47	47.1	5.9	356	74.5		
88	Cuyama	Central Coast Valleys	5/28/2013	2100	148	0	0	0	11.8	64.5	57	48.8	4.1	76	74.2		
88	Cuyama	Central Coast Valleys	5/28/2013	2200	148	0	0	0	11.9	61.7	63	49.1	3.9	59	73.8		
88	Cuyama	Central Coast Valleys	5/28/2013	2300	148	0	0	0	11.7	62	62	48.6	5.1	12	73.3		
88	Cuyama	Central Coast Valleys	5/28/2013	2400	148	0	0	0	12	61.9	64	49.5	7.3	13	72.6		
88	Cuyama	Central Coast Valleys	5/29/2013	100	149	0	0	0	12.1	60.1	68	49.8	5.3	30	72		
88	Cuyama	Central Coast Valleys	5/29/2013	200	149	0	0	0	11.3	56	74	47.7	1.8	191	71.4		
88	Cuyama	Central Coast Valleys	5/29/2013	300	149	0	0	0	11.3	54.6	78	47.8	4.7	166	70.8		
88	Cuyama	Central Coast Valleys	5/29/2013	400	149	0	0	0	10.9	53	80	46.8	3	84	70.2		
88	Cuyama	Central Coast Valleys	5/29/2013	500	149	0	0	3	10.8	51.6	82	46.5	3.7	130	69.6		
88	Cuyama	Central Coast Valleys	5/29/2013	600	149	0	0	148	10.9	51.7	83	46.7	3.2	90	68.9		
88	Cuyama	Central Coast Valleys	5/29/2013	700	149	0.01	0	502	12.3	58.6	73	50	4.7	101	68.3		
88	Cuyama	Central Coast Valleys	5/29/2013	800	149	0.01	0	746	12.5	63.9	61	50.4	5.6	99	67.9		
88	Cuyama	Central Coast Valleys	5/29/2013	900	149	0.02	0	1292	12.1	66.8	54	49.6	4.8	45	67.8		
88	Cuyama	Central Coast Valleys	5/29/2013	1000	149	0.02	0	1582	11.5	68.9	48	48.3	5.7	113	68.2		
88	Cuyama	Central Coast Valleys	5/29/2013	1100	149	0.03	0	1815	10.9	71.6	41	46.8	5.7	341	69		
88	Cuyama	Central Coast Valleys	5/29/2013	1200	149	0.03	0	1953	10.6	73.8	37	46.1	6.4	359	70.4		
88	Cuyama	Central Coast Valleys	5/29/2013	1300	149	0.03	0	1978	10.8	76.7	34	46.7	6.1	16	72		
88	Cuyama	Central Coast Valleys	5/29/2013	1400	149	0.03	0	1879	10.2	79.5	30	45	11.6	347	73.2	Y	
88	Cuyama	Central Coast Valleys	5/29/2013	1500	149	0.03	0	1669	9.9	79.6	29	44.2	13	346	74.2	Y	
88	Cuyama	Central Coast Valleys	5/29/2013	1600	149	0.02	0	1361	9.7	79.6	28	43.7	12.5	350	75.3	Y	
88	Cuyama	Central Coast Valleys	5/29/2013	1700	149	0.02	0	985	9.5	78.9	28	43.1	13	348	76.3	Y	
88	Cuyama	Central Coast Valleys	5/29/2013	1800	149	0.01	0	580	9.4	77.4	29	42.8	11.8	352	76.9		
88	Cuyama	Central Coast Valleys	5/29/2013	1900	149	0.01	0	190	10.2	75.2	34	45.1	10.1	354	77.2		
88	Cuyama	Central Coast Valleys	5/29/2013	2000	149	0	0	4	10.8	72.1	40	46.7	8.5	347	77.2		
88	Cuyama	Central Coast Valleys	5/29/2013	2100	149	0	0	0	10	69.6	40	44.5	11.2	350	76.9		
88	Cuyama	Central Coast Valleys	5/29/2013	2200	149	0	0	0	8.7	66.9	39	41	10.8	341	76.4		
88	Cuyama	Central Coast Valleys	5/29/2013	2300	149	0	0	0	8.7	63.9	43	40.9	5.3	339	75.7		
88	Cuyama	Central Coast Valleys	5/29/2013	2400	149	0	0	0	8.7	62.6	45	41	3.6	127	75.1		
88	Cuyama	Central Coast Valleys	5/30/2013	100	150	0	0	0	8.7	60.4	49	41	6.6	139	74.3		
88	Cuyama	Central Coast Valleys	5/30/2013	200	150	0	0	0	9.1	57.2	57	42.2	6.4	137	73.6		
88	Cuyama	Central Coast Valleys	5/30/2013	300	150	0	0	0	9.1	56.2	59	42	7.6	135	72.8		
88	Cuyama	Central Coast Valleys	5/30/2013	400	150	0	0	0	9.1	53.7	64	42	6.8	142	72.1		
88	Cuyama	Central Coast Valleys	5/30/2013	500	150	0	0	3	8.9	52	68	41.6	5.5	164	71.3		
88	Cuyama	Central Coast Valleys	5/30/2013	600	150	0	0	160	9.3	53.1	68	42.8	3.2	84	70.6		
88	Cuyama	Central Coast Valleys	5/30/2013	700	150	0.01	0	525	10.2	57.8	62	45	4.5	59	69.9		
88	Cuyama	Central Coast Valleys	5/30/2013	800	150	0.01	0	923	9.9	64.7	48	44.4	4.7	111	69.4		
88	Cuyama	Central Coast Valleys	5/30/2013	900	150	0.02	0	1310	9.5	68.2	40	43.1	4	157	69.3		
88	Cuyama	Central Coast Valleys	5/30/2013	1000	150	0.02	0	1640	8.8	71.5	34	41.3	4.1	71	69.7		
88	Cuyama	Central Coast Valleys	5/30/2013	1100	150	0.03	0	1873	8.5	74.2	29	40.2	7.3	349	70.6		
88	Cuyama	Central Coast Valleys	5/30/2013	1200	150	0.03	0	2003	8.2	76.1	27	39.3	7.6	344	72	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	1300	150	0.03	0	2015	7.5	78.7	22	37.1	6.8	2	73.6	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	1400	150	0.03	0	1920	6.8	80.5	19	34.7	8.1	344	74.8	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	1500	150	0.03	0	1706	6.9	81.1	19	34.9	10.1	349	75.7	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	1600	150	0.02	0	1382	6.6	81.5	18	34.1	10.1	7	76.8	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	1700	150	0.02	0	1000	6.1	81.4	17	32	10.9	358	77.8	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	1800	150	0.01	0	591	5.5	79.9	16	29.4	11.9	350	78.4	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	1900	150	0.01	0	199	6.2	77.4	19	32.5	10.5	349	78.7	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	2000	150	0	0	4	7.7	71.3	30	37.9	6.7	66	78.6	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	2100	150	0	0	0	7.6	66.3	35	37.5	5.7	143	78.2	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	2200	150	0	0	0	7.4	64.8	35	36.8	5.3	147	77.6	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	2300	150	0	0	0	7.7	62.4	40	37.8	5.3	163	76.9	Y	
88	Cuyama	Central Coast Valleys	5/30/2013	2400	150	0	0	0	7.5	60.3	42	37	5.6	175	76.1	Y	
88	Cuyama	Central Coast Valleys	5/31/2013	100	151	0	0	0	7.8	60.1	44	38.2	6.8	148	75.4	Y	
88	Cuyama	Central Coast Valleys	5/31/2013	200	151	0	0	0	8.1	58.9	47	39	6.8	150	74.6	Y	
88	Cuyama	Central Coast Valleys	5/31/2013	300	151	0	0	0	8	57.8	49	38.7	6.6	141	73.8		
88	Cuyama	Central Coast Valleys	5/31/2013	400	151	0	0	0	7.7	55.8	50	37.7	7.1	158	73		
88	Cuyama	Central Coast Valleys	5/31/2013	500	151	0	0	3	7.4	53.4	53	36.6	8	166	72.3		
88	Cuyama	Central Coast Valleys	5/31/2013	600	151	0	0	158	7.6	54.3	53	37.5	3	183	71.6		
88	Cuyama	Central Coast Valleys	5/31/2013	700	151	0.01	0	527	8.5	62.3	44	40.2	4.2	114	70.9		
88	Cuyama	Central Coast Valleys	5/31/2013	800	151	0.01	0	931	7.2	68.2	30	35.9	8	112	70.4		
88	Cuyama	Central Coast Valleys	5/31/2013	900	151	0.02	0	1316	7	71.2	27	35.3	4.8	117	70.3		
88	Cuyama	Central Coast Valleys	5/31/2013	1000	151	0.02	0	1642	6.8	74.8	23	34.7	5	105	70.6		
88	Cuyama	Central Coast Valleys	5/31/2013	1100	151	0.03	0	1877	7.2	76.9	23	36	9.3	350	71.5		
88	Cuyama	Central Coast Valleys	5/31/2013	1200	151	0.03	0	1995	6.7	78.9	20	34.2	10	341	72.9	Y	
88	Cuyama	Central Coast Valleys	5/31/2013	1300	151	0.03	0	2009	6.8	81	19	34.5	10.2	352	74.5	Y	
88	Cuyama	Central Coast Valleys	5/31/2013	1400	151	0.03	0	1910	6.5	82	18	33.7	9.1	343	75.6	Y	
88	Cuyama	Central Coast Valleys	5/31/2013	1500	151	0.03	0	1695	6	82.9	16	31.5	9.8	343	76.5	Y	

68	Cuyama	Central Coast Valleys	5/31/2013	1600	151	0.02	0	1379	5.6	85.3	14	29.9	9.9	356	77.6	Y
68	Cuyama	Central Coast Valleys	5/31/2013	1700	151	0.02	0	993	6.7	83	15	30.4	9.8	345	78.6	Y
68	Cuyama	Central Coast Valleys	5/31/2013	1800	151	0.01	0	578	7.1	82	19	35.9	10.1	347	79.3	Y
68	Cuyama	Central Coast Valleys	5/31/2013	1900	151	0.01	0	194	8.3	79.7	16	32.9	8.8	348	79.6	Y
68	Cuyama	Central Coast Valleys	5/31/2013	2000	151	0	0	4	8	72.8	29	38.6	4.9	115	79.8	Y
68	Cuyama	Central Coast Valleys	5/31/2013	2100	151	0	0	0	7.5	68.9	31	37	5.4	138	79.2	Y
68	Cuyama	Central Coast Valleys	5/31/2013	2200	151	0	0	0	7.6	64.2	36	37.4	3.8	168	78.7	Y
68	Cuyama	Central Coast Valleys	5/31/2013	2300	151	0	0	0	8.7	61.2	47	41	4	119	78	Y
68	Cuyama	Central Coast Valleys	5/31/2013	2400	151	0	0	0	9.3	57.8	57	42.6	3.8	83	77.2	Y

Villalobos, David

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Sent: Monday, September 10, 2018 10:08 AM
To: Villalobos, David
Subject: Harvard North Fork Ranch Frost Ponds Project

Categories: Purple Category

AGENDA ITEMS
ITEM #: 3
MEETING DATE: 9/12/18

Dear Planning Commissioners,

Having lived in the Cuyama Valley for sixteen years, I am fully aware of the valley's critical overdraft, and I am also aware of the decades-long absence of critical oversight in addressing this issue. Too often County officials who had the power to establish much needed guidelines for stewarding the valley's one source of water have made only weak recommendations to the largest users or, worse, said there was nothing they could do to insist on better management of this essential resource. Now, with State mandated sustainability requirements looming on the horizon, County officials should act responsibly and proactively about this understudied area. Because Harvard's proposed frost pond project will exceed thirty-one acre-feet per year and obviously affect the valley's over-drafted basin, Planning staff should prepare a completed Environmental Impact Report before making any decision about this proposal.

Sincerely,
Jane Slama

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SEP 10 2018
S.B. COUNTY
PLANNING & DEVELOPMENT
HEARING SUPPORT

September 10, 2018

Chairman Dan Blough By Email: Dvillalo@co.santa-barbara.ca.us
Santa Barbara County Planning Commission
c/o Santa Barbara County
Planning and Development Department
123 E. Anapamu Street
Santa Barbara, California 93101

Dear Chairman Blough and Fellow Commissioners:

For over 20 years, we have been growing grapes and olives and producing wine and olive oil in the western end of the arid Cuyama Valley. The farmers in the Valley, including us, the residents and the environment of our Valley rely solely on the availability of groundwater to sustain the region. The Cuyama Groundwater Basin, which is identified by the CA Department of Water Resources (DWR) as being "critically overdrafted" for many years is in process of developing an important groundwater basin management plan according to California's 2014 groundwater law (Sustainable Groundwater Management Act or SGMA). SGMA requires governments and water agencies of high and medium priority basins to halt overdraft and bring groundwater basins into balanced levels of pumping and recharge.[1] While we respect the rights of farmers to grow crops in their selected production system, we also see the need to recognize the limits of our groundwater and the impacts of the overdraft. We are concerned that by the time SGMA is implemented in the Cuyama Valley (2025) the Project's reservoirs will have already been constructed and in use, impacting the neighbors, the native plants and habitats and further depleting an already severely overdrafted groundwater basin.

As explained below and in other submittals, the applicant relies on a number of unproven and geologically questionable conclusions to support its claim that the project will not cause impacts to the Cuyama Groundwater Basin. Some of these claims have been rejected by the Department of Water Resources (DWR) and others. We believe many of these claims should not be relied on by the Commission in approving this project, and instead your Planning Commission should require the preparation of an environmental impact report (EIR) that will consider whether the project, based on known science, will have a significant impact on the Cuyama Groundwater Basin.

As appellants to the North Fork Ranch Frost Pond's permit application we want to let you know:

- That we are very involved in the development of the Groundwater Sustainability Plan (GSP) for the critically overdrafted Cuyama Basin and therefore are aware of what the Cuyama Basin is facing in needing to decrease our overall groundwater extraction. (Our specific credentials and expertise are listed at the end of this letter);

[1] https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management

- That we are farmers and we support the right to farm as long as it is done in a way that does not have negative impacts on the environment;
- That we think that the application to construct three large reservoirs will have a negative impact on the Cuyama Basin, especially the neighbors to the south in Cottonwood and Schoolhouse Canyons and the ranches to the west;
- These reservoirs are not needed for frost protection since there are more efficient technologies to use that either don't require water at all or use minimal amounts;
- By the time SGMA kicks in, Brodiaea, Inc., through this Project, will have already expanded the damaging overextraction of groundwater, creating negative impacts on native plants and animals, and impact the groundwater availability to nearby neighbors.

Unfortunately, SGMA implementation will come too late. We request the Planning Commission to recognize the already known fact that the Cuyama Basin is a critically overdrafted basin - extracting beyond replenishment - and require an EIR that assesses this impact and investigates use of alternative technologies to the frost ponds.

Specifically, below we will respond to Brodiaea, Inc.'s claims regarding water availability under its North Fork Ranch vineyard on the western portion of the Cuyama Basin, and possible impacts of increased water use and potential over-drafting of groundwater.

In response to the recent claims by Mr. Ray Shady of Grapevine Capital and their geologist consultants, both representing Brodiaea, Inc., we offer the following rebuttals:

1. Claim: The vineyard is located in a separate groundwater basin from the rest of the Cuyama Valley, and is separated by the Russell Fault acting as a barrier to water movement.
   Response: As stated in the community letter to the DWR regarding Santa Barbara County's request in 2016 for a modification of the Bulletin 118 boundaries for the basin, there is strong geologic evidence that the Russell Fault has been inactive for thousands of years, and is covered by over 1000 feet of water-bearing Morales formation sediments and more recent Quaternary sediments. [Jaffe et. al. letter to Timothy Godwin, DWR, April 28, 2016, attached as Exhibit 1]. DWR accepted the reasoning of this letter and denied the boundary modification, concluding:

   > "The provided technical information did not adequately demonstrate support for the modifications to the basin boundaries due to:
   > 1) It was not demonstrated that the Russel Fault is a hydrogeologic barrier to groundwater flow adequate to subdivide the basin, and
   > 2) The external boundary modifications described in the USGS report did not consistently follow geologic contacts used to defined units consistent with the alluvial basin definition."[2]

[2] https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Basin-Boundary-Modifications/Files/Final_2016_Basin_Boundary_Modifications.pdf

Most of the wells on the vineyard (west) side of the fault are less than 1000 feet deep, hence it would appear that water might move in both directions across the top of this fault, although there is very limited data on water movement to back either claim. A dedicated depth-dependent monitoring well (similar to the construction of several wells installed for the last USGS study) would be needed to clarify this issue. In addition, the consultants developing the Cuyama Basin GSP (Woodard and Curran) have analyzed the scientific reports on the permeability of the Russell Fault and have concluded that there are different scientific opinions and this would need to be further investigated before Brodiaea's claims can either be confirmed or refuted.

2. Claim: The separate sub-basin has significant sources of inflow of groundwater from the south and north through significant feeder systems, and helps maintain the irrigation needs of the vineyard without impacting the Basin overdraft.
   Response: There are no hard data to back up this claim, including such details as any streamflow monitors, water quality data to back up claims of origin, or well usage data. This lack of data was cited in Sweetkind, et al. (Sweetkind, D.S., Faunt, C.C., and Hanson, R.T., 2013, Construction of 3-D geologic framework and textural models for Cuyama Valley groundwater basin, California: U.S. Geological Survey Scientific Investigations Report 2013–5127, 46 p.) regarding the South Cuyama Fault. In summary, the western portion of the Cuyama Basin is geologically complex with multiple faults, and it has been recognized by USGS and Cuyama Basin GSA Consultants Woodard and Curran that the geology of this area has not been studied sufficiently to determine the permeability of these faults. These findings are needed information to determine whether neighboring wells will be impacted.

3. Claim: The pumpage by the vineyard will not impact neighbors to the north, south, and west, especially those of us living in the Cottonwood Canyon area since there is a prominent fault blocking water flow such that Cottonwood Canyon wells will not be impacted from Briodiaea's drawing from their nearby wells.
   Response: If this fault does not isolate the sections of the groundwater basin, then Brodiaea's pumping to fill the frost ponds will impact farmers in Cottonwood Canyon, including ourselves. Brodiaea's argument is only hypothetical, since there is no data available regarding the permeability of faults south of the vineyard. Santa Barbara County has been monitoring several wells in the Cottonwood Canyon area since September 2016. While data is too short-term to show permanent trends, our own well (data available from Santa Barbara County Water Agency) has shown a worrisome downward trend:
   (Numbers are depth to static groundwater level)
   October 2016: 119.4 feet (at end of 5 years of drought)
   September 2017: 120.5 feet (at the end of an above average wet year)
   September 2018: 123.3 feet (at the end of a drought year)

While more study is needed to verify the cause of this downward trend, it correlates with the increased pumping by the North Fork Vineyards.

We have investigated the geology of our area, and there is a fault extending through the ridge between Schoolhouse Canyon and Cottonwood Canyon, but it appears to dive deeply before it crosses Cottonwood Canyon and can only be hypothesized from there on. It is probably associated with the narrow strip of Santa Margarita Formation imbedded in Morales Formation that occurs on the ridge, but not further to the west or crossing Cottonwood Canyon. The fact that water-dependent riparian vegetation, especially sycamores, extend for the entire length of Cottonwood Creek (from the South Cuyama fault at the base of the Sierra Madre Mountains to the confluence with the Cuyama River) would imply that there is no barrier to the eventual flow of water down the watershed to the river. If this is true as we suspect, Brodiaea's pumping will harm wells in Cottonwood Canyon.

4. Claim: The vineyard is using less than a depth of 1-2 feet of water per year (AFY) to irrigate their vines, and this is the amount that will be needed into the future.
Response: This is a very low water use for grapes in our arid region. If this figure is based on actual water use, it must be remembered that this was the first year that the grape plants had been planted and it was a wet year. Plants that are small have limited root systems and a very small canopy of leaves. Irrigation would normally be light and frequent, using much less water than when the plants are fully developed and have high evapotranspiration (ET) of water from their leaves. A study of a vineyard in the Ventucopa area of the Cuyama Valley used a figure of 2.8 AFY for the water use part of their study of the Valley (Andersen, C., B. Dobrowski, M. Harris. E. Moreno, and P. Roehrdanz. 2009. Conservation Estimate for the Cuyama Valley: Current Conditions and Planning Scenarios. Bren School of Environmental Science and Management. UCSB, Santa Barbara, CA.).

5. Claim: The area from the Russell Fault's supposed barrier to the confluence of Cottonwood Creek on the Cuyama River creates a separate and independent sub-basin with its own sustainable 54,000 acre feet of water.
Response: This amount of water is an estimate that has not been fully verified. It is also dependent of surface flow of water in the Cuyama River from the eastern part of the Basin for recharge. If this is the recharge source, then it is not independent, and must be included in the overall Basin management plan. Regardless, as drawdown of the supposed sub-basin occurs, as will happen during years of extended drought, all surface flow of water and associated water-depended riparian vegetation will be severely impacted, raising issues with the DWR "undesirable results" benchmark of impacts on water dependent surface ecosystems. This is especially true for the extensive riparian ecosystem of cottonwoods and willows at the confluence with Cottonwood Creek.

Needs: We need open and transparent sharing of data on pumpage, water levels, and water quality in order to document changes to the groundwater basin both beneath and in the area around the vineyards. We also need data reflecting isotopes and tritium in the pumped water from areas of the basin in order to estimate both age and origin of the water Brodiaea claims is available to supply the frost ponds. We also need at least several years of data to show real trends and impacts, but by the time we have such data it might be too late and irreversible damage to the Cuyama Groundwater Basin may have already occurred.

In summary, the western part of the Cuyama Basin has traditionally been dry rangeland and unlike the eastern portion, there have not been extensive hydrogeological studies conducted. With the installation of frost ponds with the capacity of 147 acre-feet of water and causing significant evaporation, the project can cause impacts on habitat, groundwater levels, and neighboring wells and potentially deplete groundwater in the western end of the Cuyama Valley . We ask that the Planning Commission not prejudice the goals of the 2014 California groundwater legislation by facilitating additional extraction and direct that an EIR be prepared examining impacts to the groundwater basin before this project is considered.

Thank you for your consideration.

Sincerely,

Stephen Gliessman and Roberta Jaffe
Farmers and Residents
Cottonwood Canyon
Cuyama Valley

Our Credentials and Expertise

Stephen R. Gliessman and Roberta M. Jaffe have extensive careers in sustainable agriculture as both educators and practitioners. For almost 25 years we have been organically dry farming grapevines and olive trees in the western Cuyama Valley. We have worked with nonprofit and farmer organizations in rural communities internationally and in California to support sustainable food systems that support the local economy. Ms. Jaffe currently serves as Chair of the Standing Advisory Committee for the Cuyama Basin Groundwater Sustainability Agency and is very involved in the development of the Groundwater Sustainability Plan. Dr. Gliessman is a professor emeritus in Agroecology from the University of California Santa Cruz. Both are members of the Cuyama Valley Community Association.

April 28, 2016

Timothy Godwin, Engineering Geologist
California Department of Water Resources
Division of Integrated Regional Water Management
Sustainable Groundwater Management Section
901 P St.
Sacramento, CA 95814

Re: Opposition to 3-13 Cuyama Valley Groundwater Basin Boundary Change Proposal

Dear Mr. Godwin:

We, the undersigned, request that the Cuyama Basin Boundary modification proposal submitted to the DWR by Dudek Hydrology on behalf of the County of Santa Barbara, be rejected based on the criteria identified by the Department in its basin boundary modification regulations[1]. The following criteria apply in this case:

> §345.2 (a) (2) The proposed boundary modification may limit the opportunity or likelihood of ...sustainable groundwater management in other basins or sub-basins;
> §345.2 (b) The requesting agency is unable to provide information that would allow the Department to assess whether there is a history of sustainable management of groundwater levels in the existing or proposed basin or sub-basin;
> §345.2 (c) ...the available scientific evidence does not support the addition, deletion, or relocation of a basin or sub-basin boundary.

Insufficient data

The basin boundary modification application submitted on behalf of Santa Barbara County[2] provides insufficient information to justify its approval by the Department. (345.2(b), (c))

1) The Cuyama Basin is not fully CASGEM compliant. Only 3 of the 17 wells used to provide required CASGEM data have the construction information required by the program. Moreover, all of these wells are located east of the proposed Russell Fault border (Appendix A). This proposal therefore would create two basins, one of which only partially complies with CASGEM monitoring requirements and a second basin, which would immediately be out of compliance with the CASGEM monitoring requirements. The lack of groundwater elevation data in the proposed Chalk Mountain sub-basin is problematic; this data is intended to provide high-level understanding of groundwater supply conditions in each of California's groundwater aquifers. The lack of basic water level information in the western portion of the aquifer calls into question the assumptions made in the proposal.

2) The proposal fails to note a change in agriculture practice in the proposed Chalk Mountain sub-basin from non-irrigated rangeland to irrigated vineyards in the years since the USGS study was completed. Eleven new irrigation wells were drilled west of the Russell Fault between November 2014 and August 2015 (Appendices A and B) by a non-resident grower, new to the Cuyama Valley. The

wells will be used for irrigation and frost protection for an initial planting of one million grapevine starts on 500 acres of vineyard. The total property owned by this entity totals 7,500 acres, with phased plans for vineyard expansion. If all 7,500 acres are planted, irrigated acreage for the basin as a whole would increase by 19.7%. (Currently there are 38,000 acres of irrigated farmland reported in the basin[3]). It could be argued that any increase in irrigated acreage in a basin in a condition of critical overdraft is significant. A nearly 20% increase would certainly constitute a significant and unreasonable result. This new source of groundwater extraction, coupled with a lack of baseline data for the western portion of the basin and its status as a critically over-drafted basin, creates doubts that a newly formed sub-basin in this area could be managed sustainably. In addition, rangeland to the west of the property currently under transition from non-irrigated rangeland to intensive vineyard cultivation is for sale. Without the oversight of a Groundwater Sustainability Agency and a DWR-approved Groundwater Sustainability Plan in place for the western part of the Cuyama Valley, there is concern that agriculture use of the land will continue to change and intensify demand on limited groundwater resources. Additionally, the USGS study of the basin which forms the basis for the proposed basin boundary change pre-dates this significant new use of water. Its findings should be updated prior to any boundary modification being considered.

3) The proposal fails to scientifically justify its selection of the Russell Fault as the boundary line for sub-basins. Detailed geologic studies by Robert Yeats and his students, summarized in a peer-reviewed scientific journal publication by Yeats and others (Yeats, et al., 1989)[3] show that the Russell Fault is an ancient fault that cuts older bedrock, but the fault does not cut water-bearing units including the Morales Formation and younger alluvial sediments that overlie the Morales. If the Russell Fault does not cut the water-bearing units as noted by Yeats and others, then the fault is unlikely to be a barrier to groundwater flow and therefore not a groundwater basin boundary. Furthermore, no CASGEM monitoring wells are located near this fault line, on either the east or west side, to provide any understanding of groundwater flow and volume. (Appendix A). The lack of substantial scientific data is further supported by the USGS study in: Geology, Hydrology,and Geomechanics of the Cuyama Valley Groundwater Basin (2008-12), "Several faults that offset the basin-fill deposits, associated with measured water-level offsets, are *inferred* to impede groundwater movement (Upson and Worts, 1951; Singer and Swarzenski, 1970; fig.2). Because the faults do not intersect land surface and are not readily apparent in the unconsolidated surface sediments, their locations have been *inferred* from well data and topographical features." (Italics are ours.) As scientists who wanted the study to reflect an accurate summary, but were constrained by the imposed limitations of the sponsoring entity (Santa Barbara County), their use of the word inferred in the final report and reference to previous studies demonstrates their inability to make a conclusive scientific statement regarding the arbitrary end point to the study. Moreover, the effect on groundwater flow of significant new groundwater extraction on the west side of the fault (as noted in #2 above) has not yet been examined.

Governance concerns

While the boundary modification request is based on scientific information, it is predicated on the belief that the Chalk Mountain sub-basin, once established, will in short order be:

a) determined *not* to be in a state of critical overdraft, and
b) be reprioritized as a low-priority basin. (Naftaly email, March 3, 2016)[5].

The acceleration of well drilling and groundwater extraction in the proposed Chalk Mountain sub-basin, and the limited understanding of how that extraction impacts the basin as a whole, make such findings problematic. We have a high level of concern for creating the sub-basin and recommend against creation of the sub-basin. We also oppose the proposal by the Santa Barbara County to remove the critical overdraft designation from the proposed Chalk Mountain sub-basin and change it to a low priority basin. We assert that the western region should remain part of the main basin and not be reclassified from medium priority since to date there is no baseline data, and there is significant change taking place in agricultural practices and groundwater use in this part of the Cuyama Valley.

Conclusion

We sympathize with the interests of the proponents to limit their basin boundaries to better manage their resources. But changing basin boundaries is a serious matter that must be based on sufficient science. There is currently not sufficient scientific evidence to separate the Valley into a main basin and sub-basin at the Russell Fault. In addition, the recent change in agricultural practices in the western part of the Cuyama Valley and dramatic increase in agricultural well drilling calls for keeping the western region designated as medium priority. And the proponents do have an option. The Sustainable Groundwater Management Act allows any number of Groundwater Sustainability Agencies and Plans to be developed within a basin, provided they do not have overlapping boundaries and that a single point of contact for coordinating and submitting plans is identified. We recommend that the County retain the basin boundary as currently drawn in Bulletin 118 in order to maintain the integrity of the Cuyama Valley basin. Given the current state of understanding of the basin in its entirety, we believe this to be the best option.

Therefore, we recommend that this basin boundary change request be rejected until further information on groundwater flows and availability in the western portion of the basin are determined.

Thank you for allowing us the opportunity to comment.

Sincerely,

50 Concerned residents, landowners and others with interest in the Cuyama Valley
(See signatures below.)

Attachments:
Appendix A: map of basin 3-13
Appendix B: spreadsheet of west basin well-drilling activity, 2014-2015

Endnotes

1) Refer to the SGMA Basin Boundary Regulations ("SGMA Regs").

2) The Boundary Basin Modification Proposal submitted by Dudek Engineering on behalf of Santa Barbara County ("Proposal").

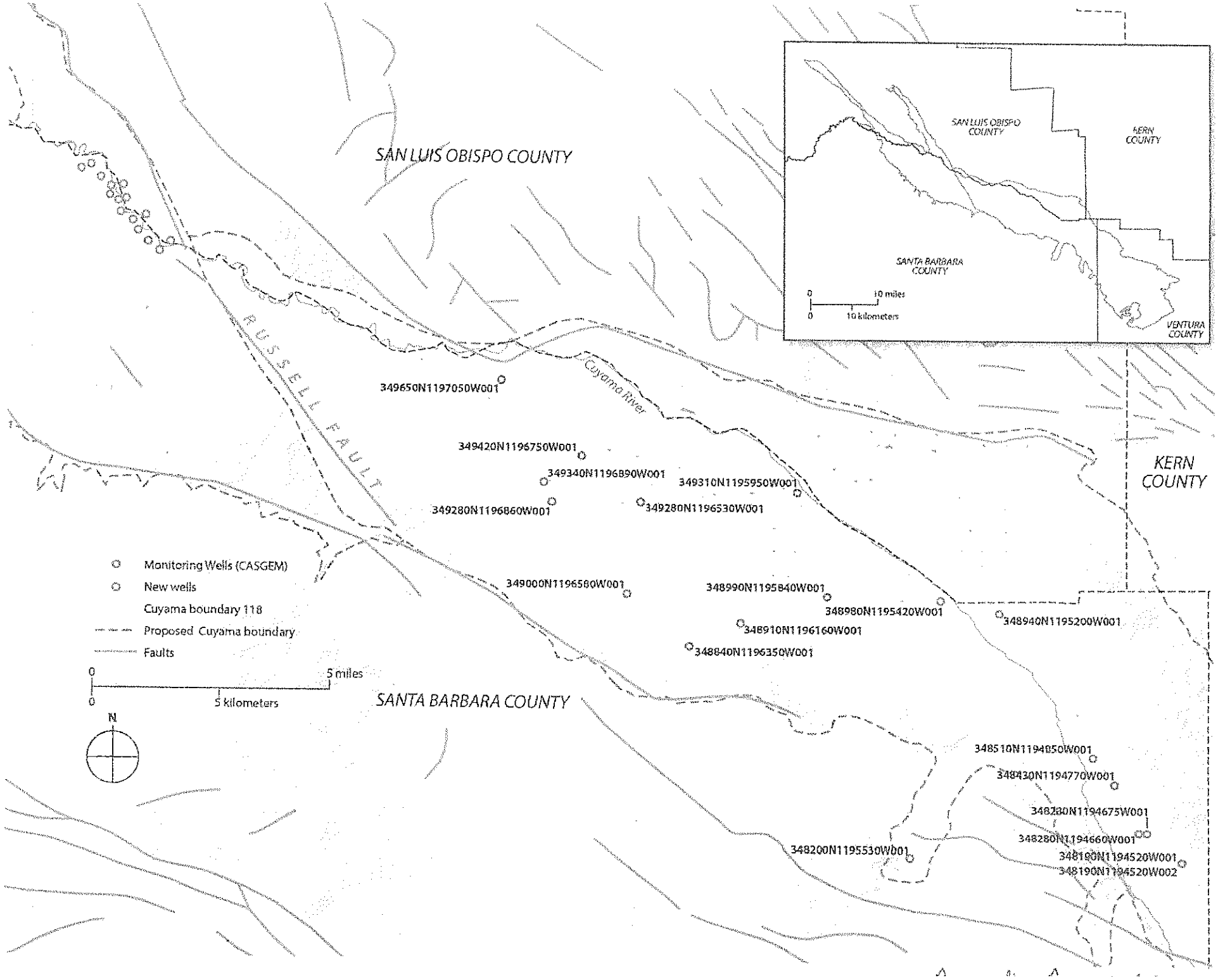
3) In the Cuyama Valley Community Association Town Hall meeting of October 21, 2015 the following information was reported:

There are 147,000 acres in the eastern portion of the Cuyama Valley (with the Russell Fault as the western boundary). Of those acres, 38,000 are irrigated agricultural land.

4) A detailed study of the Russell Fault, showing location, geological formation, possible faulting changes, and possible function related to groundwater that refers to its transmissivity and permeability: Yeats, R.S., J.A. Calhoun, B.B. Nevins, H.F. Schwing, and H.M. Spitz. 1989. Russell Fault: Early Strike-Slip Fault of the California Coast Ranges. *The American Association of Petroleum Geologists Bulletin.* Vol. 73 (9): 1089-1102.

5) The 2014 USGS Study of the Cuyama Valley groundwater system, ("USGS") that demonstrates critical overdraft and subsidence in the eastern portion of the Valley is available at: http://ca.water.usgs.gov/projects/cuyama/cuyama-valley-groundwater.html.

6) The e-mail announcement of the Proposal communicated by Matt Naftaly of Dudek on March 3rd, 2016; ("Naftaly"): "This email is an update on the Basin Boundary Modification for the Cuyama Valley Groundwater Basin. Working in conjunction with the Department of Water Resources (DWR) the County will revise the current application to include as a sub-basin the area west of the Russell fault and within the existing DWR Bulletin 118 boundary (see map attached). This is an appropriate distinction because of the limited connectivity and differing groundwater and land use conditions of the two areas. It will allow for effective management in the existing Cuyama Valley Groundwater Basin and independent evaluation of the area west of the fault. The basin boundary revision process requires that DWR reevaluate the priority of each affected basin and it is expected that based on prioritization criteria, the Cuyama Valley Groundwater Basin will remain classified as medium priority and the sub-basin will be classified as low priority. The sub-basin west of the Russell fault has been preliminarily named the *Chalk Mountain Sub-Basin.*"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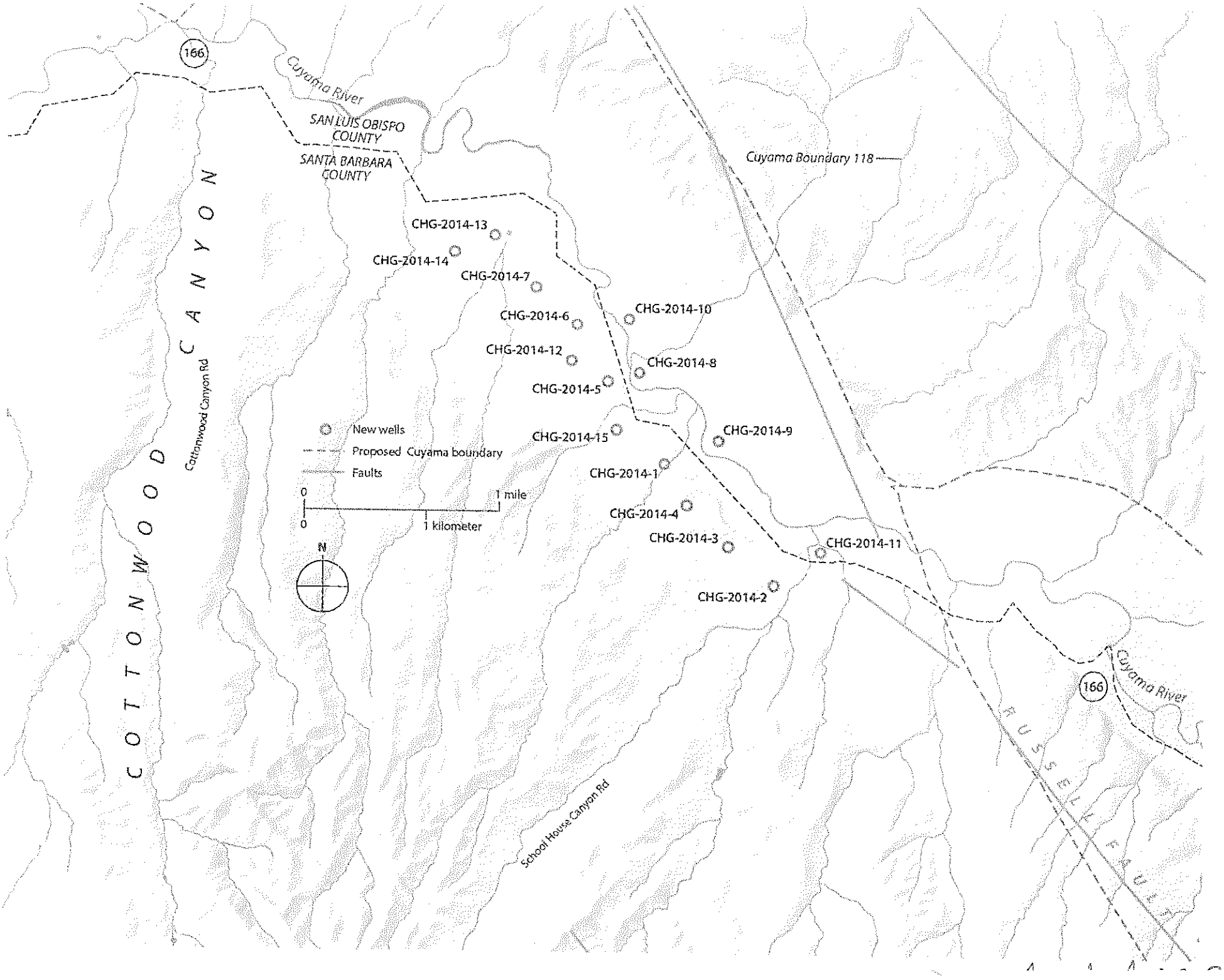
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Cuyama River

Appendix B

Well Data of new wells drilled in the western Cuyama Valley 2014-2015 on one property

Well name	Parcel	Permit no.	Latitude	Longitude	Drilling Dates	Depth, boring, ft	Depth, completed, ft	Depth to first water, ft	Estimated yield, gpm	Total drawdown, ft
CHG-2014-1	147-020-040	SR0109409	35.01222	-119.84167	11/16/14 - 11/21/14	960	900	200	324	284
CHG-2014-12	147-020-040	WP0000466	35.01983	-119.85019	Jul-22-15	760	600	83	115	111
CHG-2014-13	147-020-043	WP0000469	35.02906	-119.85714	6/25-6/30/15	670	390	45	300	137
CHG-2014-14	147-020-043	WP0000470	35.02783	-119.86077	6/19/16-6/25/15	620	570	45	302	137
CHG-2014-15	147-020-040	WP0000468	35.01477	-119.84608	8/7/15-8/13/15	810	790	61	303	99
CHG-2014-2	147-020-040	SR0109410	35.00320	-119.83180	12/7/14-12/11/14	620	600	170	207	198
CHG-2014-3	147-020-040	SR0109411	35.00597	-119.83601	12/16/14-12/19/14	606	450	26	340	114
CHG-2014-4	147-020-040	SR0109412	35.00917	-119.83972	12/29/14-1/5/15	622	620	60	411	140
CHG-2014-5	147-020-040	SR0109413	35.01833	-119.84694	7/13/15-7/17/15	740	730	19	297	91
CHG-2014-6	147-020-040	SR0109414	35.02250	-119.84972	7/8/15-7/12/15	720	380	49	102	61
CHG-2014-7	147-020-043	SR0109415	35.02526	-119.85343	6/10-6/16/15	710	610	42	305	116
Still Pending?	147-020-028	WP0000465								

Source: Well Drilling Reports, Santa Barbara County Dept. of Environmental Health

We sympathize with the interests of the proponents to limit their basin boundaries to better manage their resources. But changing basin boundaries is a serious matter that must be based on sufficient science. There is currently not sufficient scientific evidence to separate the Valley into a main basin and sub-basin at the Russell Fault. In addition, the recent change in agricultural practices in the western part of the Cuyama Valley and dramatic increase in agricultural well drilling calls for keeping the western region designated as medium priority. And the proponents do have an option. The Sustainable Groundwater Management Act allows any number of Groundwater Sustainability Agencies and Plans to be developed within a basin, provided they do not have overlapping boundaries and that a single point of contact for coordinating and submitting plans is identified. We recommend that the County retain the basin boundary as currently drawn in Bulletin 118 in order to maintain the integrity of the Cuyama Valley basin. Given the current state of understanding of the basin in its entirety, we believe this to be the best option.

Therefore, we recommend that this basin boundary change request be rejected until further information on groundwater flows and availability in the western portion of the basin are determined.

Thank you for allowing us the opportunity to comment.

Sincerely,

1) Roberta Jeffe
Condor's Hope Ranch, Cottonwood Canyon, Western Cuyama Valley, member SVG

2) Steph R Glissman — Stephen R. Glissman
Condor's Hope Ranch, Cottonwood Canyon, Western Cuyama Valley, member SVC

3) Randall Tognazzini 3135 Cottonwood Canyon Rd. New Cuyama, CA

4) [illegible] 3135 Cottonwood Canyon Rd New Cuyama CA

5) [illegible] Cottonwood Canyon, New Cuyama CA

6) [illegible] Cotton Wood Canyon, New Cuyama, CA

7) Nicole Price Cotton Wood Canyon, New Cuyama CA

8) Mary Thomas Cottonwood Canyon, New Cuyama CA

9) [illegible] Cottonwood Canyon New Cuyama CA

10) Jon E Jones : Jones Ranch 2401 Cottonwood New Cuyama CA

11) Mari J Jones 2401 Cottonwood Cyn Rd New Cuyama, CA

12) Steven A. Brown 8000 Foothill Rd. Cotton Wood Cyn. New Cuyama

13) Susan G Brown 8000 Foothill Rd Cottonwood Cnyn, New Cuyama

14) Mike Forfermmen 8000 Foothill Rd Cottonwood Canyon New Cuyama

We sympathize with the interests of the proponents to limit their basin boundaries to better manage their resources. But changing basin boundaries is a serious matter that must be based on sufficient science. There is currently not sufficient scientific evidence to separate the Valley into a main basin and sub-basin at the Russell Fault. In addition, the recent change in agricultural practices in the western part of the Cuyama Valley and dramatic increase in agricultural well drilling calls for keeping the western region designated as medium priority. And the proponents do have an option. The Sustainable Groundwater Management Act allows any number of Groundwater Sustainability Agencies and Plans to be developed within a basin, provided they do not have overlapping boundaries and that a single point of contact for coordinating and submitting plans is identified. We recommend that the County retain the basin boundary as currently drawn in Bulletin 118 in order to maintain the integrity of the Cuyama Valley basin. Given the current state of understanding of the basin in its entirety, we believe this to be the best option.

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Thank you for allowing us the opportunity to comment.

Sincerely,

John Mackenzie JOHN MACKENZIE
FORMER VICE CHAIRMAN (12 YEARS) CCSD, CVCA MEMBER

Jane Slama Jane Slama
Cuyama Valley resident

Steve Draucker Steve Draucker
Local Methodist Pastor resident over 40 yrs.

Vivian Vickery Vivian Vickery
Long-time resident of 59 years

Esther Louise Draucker ESTHER LOUISE DRAUCKER
42+ yr resident, CVCA member, Board of Directors: Cuyama Community Methodist Ch. CVFRC, Cuyama Christian Academy

Pamela Bagnuk PAMELA BAGNUK
CUYAMA VALLEY RESIDENT, CVCA MEMBER

John Coats JOHN COATS
Cuyama Valley Resident, CCSD BOARD OF DIRECTORS

Robin Mounts Robin Mounts
Long-time property owner - librarian Cuyama School District

Thomas Mounts - THOMAS MOUNTS
PROPERTY OWNER - DOMESTIC WELL USER

We sympathize with the interests of the proponents to limit their basin boundaries to better manage their resources. But changing basin boundaries is a serious matter that must be based on sufficient science. There is currently not sufficient scientific evidence to separate the Valley into a main basin and sub-basin at the Russell Fault. In addition, the recent change in agricultural practices in the western part of the Cuyama Valley and dramatic increase in agricultural well drilling calls for keeping the western region designated as medium priority. And the proponents do have an option. The Sustainable Groundwater Management Act allows any number of Groundwater Sustainability Agencies and Plans to be developed within a basin, provided they do not have overlapping boundaries and that a single point of contact for coordinating and submitting plans is identified. We recommend that the County retain the basin boundary as currently drawn in Bulletin 118 in order to maintain the integrity of the Cuyama Valley basin. Given the current state of understanding of the basin in its entirety, we believe this to be the best option.

Therefore, we recommend that this basin boundary change request be rejected until further information on groundwater flows and availability in the western portion of the basin are determined.

Thank you for allowing us the opportunity to comment.

Sincerely,

Terri Allyn Cox Terri Allyn Cox
resident (50 yrs); teacher at Cuyama Valley High School
Bonnie S Goller Bonnie S. Goller
32 yr resident, business owner, archaeologist
Whitney Goller Whitney Goller
Home/property owner - Community member - resident
David Goller David Goller
same as whitney
Lisa Connell Lisa Connell
CVCA member - home owner - concerned citizen
Gary Moore - GARY MOORE
OWNER & PROPERTY THIRD GENERATION HOMESTEADER

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Sincerely,

1) Debbie Bales 8000 ~~Cottonwood~~ Foothill Rd Cottonwood Canyon New Cuyama
2) Jane Collins 8000 Foothill Rd Cottonwood Canyon New Cuyama
3) Jacqueline L Jones 2401 Cottonwood Cyn Rd New Cuyama CA
4) Bill Jones 2401 Cottonwood Cyn Rd. New Cuyama CA 93254
5) Juana Jones 2401 Cottonwood Cyn Rd New Cuyama CA 93254
6) Brett A Jones 2401 Cottonwood Cyn Rd New Cuyama CA

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Thank you for allowing us the opportunity to comment,

Sincerely,

[signature] Eusebio Rodriguez
Resident since 1989 Homeowner Quatal Cyn Rd
Chairman, Muhu Tasen Inc. Foundation to Preserve Native Am. Culture, Ventu

2) [signature] Bonnie Lou Rodriguez
Resident since 1989 Homeowner
Treasurer, Muhu Tasen Inc. Foundation to Preserve Native Am. Cultur.

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Sincerely,

1) ROBERT RYAN
Cottonwood Cyn., West Cuyama Valley

2) Susan Kroutt Susan Kroutt
Cottonwood Cyn., West Cuyama Valley

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Sincerely,

1) JOHN R CABE

2) MYRA M. CABE

LANDOWNER COTTONWOOD CANYON

WESTERN CUYAMA VALLEY

We sympathize with the interests of the proponents to limit their basin boundaries to better manage their resources. But changing basin boundaries is a serious matter that must be based on sufficient science. There is currently not sufficient scientific evidence to separate the Valley into a main basin and sub-basin at the Russell Fault. In addition, the recent change in agricultural practices in the western part of the Cuyama Valley and dramatic increase in agricultural well drilling calls for keeping the western region designated as medium priority. And the proponents do have an option. The Sustainable Groundwater Management Act allows any number of Groundwater Sustainability Agencies and Plans to be developed within a basin, provided they do not have overlapping boundaries and that a single point of contact for coordinating and submitting plans is identified. We recommend that the County retain the basin boundary as currently drawn in Bulletin 118 in order to maintain the integrity of the Cuyama Valley basin. Given the current state of understanding of the basin in its entirety, we believe this to be the best option.

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Sincerely,

1) Brenton Kelly 35070 Hwy 33 Maricopa CA 93252

2) Casey Walsh, Dept of Anthropology UCSB Santa Barbara, CA. 93106-3210

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Sincerely,

Pamela A. Dolman April 25, 2016

We sympathize with the interests of the proponents to limit their basin boundaries to better manage their resources. But changing basin boundaries is a serious matter that must be based on sufficient science. There is currently not sufficient scientific evidence to separate the Valley into a main basin and sub-basin at the Russell Fault. In addition, the recent change in agricultural practices in the western part of the Cuyama Valley and dramatic increase in agricultural well drilling calls for keeping the western region designated as medium priority. And the proponents do have an option. The Sustainable Groundwater Management Act allows any number of Groundwater Sustainability Agencies and Plans to be developed within a basin, provided they do not have overlapping boundaries and that a single point of contact for coordinating and submitting plans is identified. We recommend that the County retain the basin boundary as currently drawn in Bulletin 118 in order to maintain the integrity of the Cuyama Valley basin. Given the current state of understanding of the basin in its entirety, we believe this to be the best option.

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Sincerely,

Alisha Taff

Rock Front Ranch

We sympathize with the interests of the proponents to limit their basin boundaries to better manage their resources. But changing basin boundaries is a serious matter that must be based on sufficient science. There is currently not sufficient scientific evidence to separate the Valley into a main basin and sub-basin at the Russell Fault. In addition, the recent change in agricultural practices in the western part of the Cuyama Valley and dramatic increase in agricultural well drilling calls for keeping the western region designated as medium priority. And the proponents do have an option. The Sustainable Groundwater Management Act allows any number of Groundwater Sustainability Agencies and Plans to be developed within a basin, provided they do not have overlapping boundaries and that a single point of contact for coordinating and submitting plans is identified. We recommend that the County retain the basin boundary as currently drawn in Bulletin 118 in order to maintain the integrity of the Cuyama Valley basin. Given the current state of understanding of the basin in its entirety, we believe this to be the best option.

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Sincerely,

Barney Skelton
owner Rock Front Ranch

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Thank you for allowing us the opportunity to comment.

Sincerely,

Glenn A. Thomas

landowner Thomas Family Ranch

Cottonwood Canyon

Western Cuyama Valley

We sympathize with the interests of the proponents to limit their basin boundaries to better manage their resources. But changing basin boundaries is a serious matter that must be based on sufficient science. There is currently not sufficient scientific evidence to separate the Valley into a main basin and sub-basin at the Russell Fault. In addition, the recent change in agricultural practices in the western part of the Cuyama Valley and dramatic increase in agricultural well drilling calls for keeping the western region designated as medium priority. And the proponents do have an option. The Sustainable Groundwater Management Act allows any number of Groundwater Sustainability Agencies and Plans to be developed within a basin, provided they do not have overlapping boundaries and that a single point of contact for coordinating and submitting plans is identified. We recommend that the County retain the basin boundary as currently drawn in Bulletin 118 in order to maintain the integrity of the Cuyama Valley basin. Given the current state of understanding of the basin in its entirety, we believe this to be the best option.

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Thank you for allowing us the opportunity to comment.

Sincerely,

J. Ariey - Janine Y. Ariey

Ariey 400 Ranch, Cottonwood Canyon area, Western Cuyama Valley

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Thank you for allowing us the opportunity to comment.

Sincerely,

P.B.H - PHILIP B. HENRY III

A RILEY 3400 RANCH, COTTONWOOD CANYON, WESTERN CUYAMA VALLEY

We sympathize with the interests of the proponents to limit their basin boundaries to better manage their resources. But changing basin boundaries is a serious matter that must be based on sufficient science. There is currently not sufficient scientific evidence to separate the Valley into a main basin and sub-basin at the Russell Fault. In addition, the recent changes in agricultural practices in the western part of the Cuyama Valley and dramatic increase in agricultural well drilling calls for keeping the western region designated as medium priority. And the proponents do have an option. The Sustainable Groundwater Management Act allows any number of Groundwater Sustainability Agencies and Plans to be developed within a basin, provided they do not have overlapping boundaries and that a single point of contact for coordinating and submitting plans is identified. We recommend that the Counties retain the basin boundary as currently drawn in Bulletin 118 in order to maintain the integrity of the Cuyama Valley basin. Given the current state of understanding of the basin in its entirety, we believe this to be the best option.

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Thank you for allowing us the opportunity to comment.

Sincerely,

Jay S. Thomas

Manager, Water Resources Division, Public Works Department

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED • RIVERSIDE • SAN DIEGO • SAN FRANCISCO

SANTA BARBARA • SANTA CRUZ

ENVIRONMENTAL STUDIES DEPARTMENT SANTA CRUZ, CALIFORNIA 95064

September 6, 2018

Mr. Daniel Blough
Chair, Santa Barbara County Planning Commission
123 East Anapamu Street
Santa Barbara CA 93101

Dear Mr. Blough and Honorable Santa Barbara County Planning Commissioners (SBCPC):

I respectfully submit this letter in regards to the natural resource surveys provided as part of the proposed "North Fork Ranch Frost Ponds" Case No. 16CUP-00000-00005, by the Applicant Brodiaea, Inc. My qualifications to provide technical, expert opinion on this aspect of the project include almost 50 years of experience in botany and ecology, B.A., M.A, and PhD degrees in Botany and Ecology from the University of California at Santa Barbara, 32 years teaching an annual 10-week spring field course in botany and natural history through my position as a Professor of Natural History and Agroecology at the University of California at Santa Cruz, 25 years as a part-time resident in the Cottonwood Canyon area of the Cuyama Basin, and leader of multiple spring wildflower events in Cottonwood Canyon for Condor's Hope Ranch.

In my judgement, the biological surveys carried out by Kevin Merk Associates (KMA) are insufficient to ensure that there will be no negative project impacts on plants and animals, especially several endangered or threatened species of plants, since they were conducted in the fourth and fifth years of consecutive drought. Further study is required. KMA completed their first survey in 2015. The Santa Barbara County Planning Department staff asked DUDEK to peer review the survey. DUDEK found the study inadequate and suggested they do a survey comparing it to species in the neighboring Carrizo Plain. This was done in KMA's 2016 study. The impact on the drought on native plant and animal populations in the Carrizzo Plan and northern Cuyama Basin was recently reported in two separate studies which I describe below.

In a communication just published on 20 August 2018[1], the impact of drought in the Carrizo Plain and northern Cuyama Basin was documented. As part of a long-term biological survey that began in 2007 and continued through 2014, researchers observed a very dramatic reduction in observed populations of all plant and animal species three years into what ended up being a 5-year drought that lasted through 2016. There is a very graphic representation of the drought's impact in the photo of Attachment #1 that

was taken from this study. I note that the biological surveys carried out by Kevin Merk Associates as part of the North Fork Frost Pond application were done in 2015 and 2016, the 4th and 5th years of the same drought referred to in this publication. This brings into question the validity of the surveys carried out by Kevin Merk Associates, since conditions of extreme drought would have severely reduced the presence of most species, especially annual plants.

In another report from the California Native Plant Society[2], results of long-term monitoring sites provide important information on the many and diverse plant taxa and vegetation types in the Carrizo National Monument, including multiple sites along the southern border of the monument that extends over the Caliente Mountains down to the Cuyama River. See map of their study sites in Attachment #2. Their surveys encountered 417 taxa of plants, indicating the rich diversity that occurs in the region. The surveys completed by Kevin Merk Associates only found a small percentage of the taxa on this list, due most likely to the fact their observations took place in drought years when populations of native plants were reduced and the physical manifestation of plants was depressed. Hence the surveys by Kevin Merk Associates most likely missed a large number of important plants including unique, rare, and threatened plant species that would probably be present in normal to wet rainfall years, and could be significantly impacted by the Frost Ponds project, both directly and indirectly. In particular, species known to occur in the Project vicinity include the attached list[3] of 25 species based on extensive studies of threatened plants in the BLM lands of the Carrizo Monument. Cross checking this list with the Flora of Santa Barbara County published by the Santa Barbara Botanic Garden, at least 4 of these species are highly likely to occur in the project area since they have been collected in the past from the Cottonwood and Schoolhouse Canyon areas. Another 13 have been reported from nearby Cuyama Valley areas. The 8 species not likely to occur in the project area are only those that grow best on alkali soils typical of the dry lake areas of the Carrizo.

Based on my reading of the surveys from Kevin Merk Associates, the two reports described above, and my own experience with native plant species in the Cuyama and Carrizzo areas, these surveys are insufficient to support a claim that there will no adverse impacts upon botanical and wildlife populations caused by the Frost Pond Project. Additionally, in my opinion, and based on my review of the Project plans and MND, the potential presence of the above plants in and around the Project site creates a reasonable possibility that the Project may result in significant impacts according to the County's thresholds for impacts to flora through loss or disturbance of unique, rare and threatened plant communities, and a reduction in the numbers of unique, rare or threatened species of plants (MND p. 11.).

Sincerely yours,

Dr. Stephen R. Gliessman

Professor Emeritus of Natural History and Agroecology
Department of Environmental Studies
University of California at Santa Cruz
gliess@ucsc.edu

[1] Prugh, L.R., N. Deguines, J.B. Grinath, K.N. Suding, W.T. Bean, R. Stafford, and J. S. Brashares. 2018. Ecological winners and losers of extreme drought in California. *Nature Climate Change*. Volume 8: 819-824.

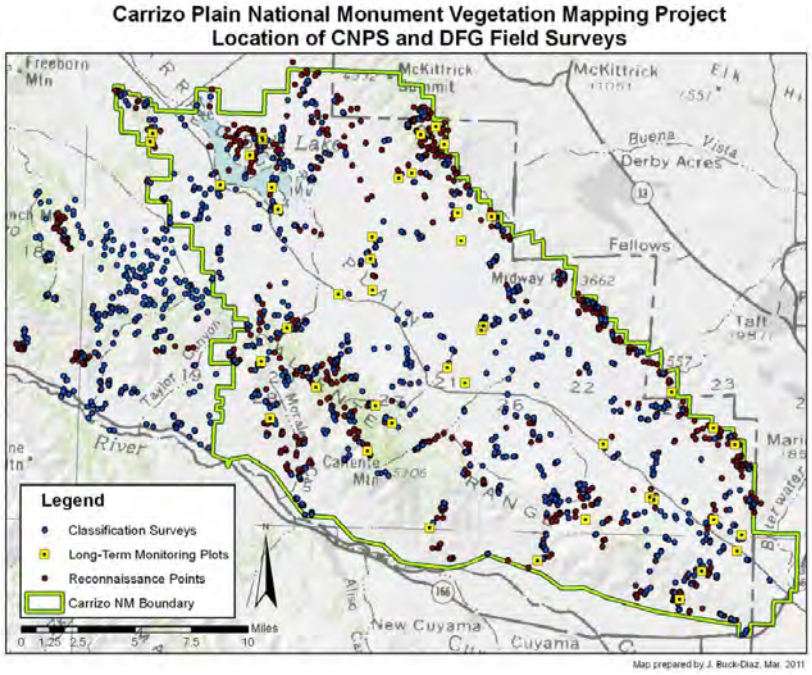

Figure 1. Project study area depicting surveys used for the floristic vegetation classification as well as locations of long-term monitoring plots and reconnaissance points to inform vegetation mapping.

[2] Buck-Diaz, Jennifer, and Julie Evens. 2011. Carrizo Plain National Monument Vegetation Classification and Mapping Project. California Native Plant Society. Sacramento, CA. 16 pages.

'*Center Well 2*' site (Mar. 30th, 2011) '*Center Well 2*' site (Mar. 27th, 2014)

The same study site in late March 2011, before the drought began, and in late March 2014, three years into the drought. Researchers were able to study the response of this unique ecosystem to an exceptional climate event. *J. Chesnut*

[3]Potentially threatened plant species in the Project Area (see below):
Source: BLM Carrizo Plant List, accessed at www.inaturalist.org/check_lists/ ***

Hoover's Eriastrum (*Eriastrum hooveri*)*
Tehachapi Woollystar (*Eriastrum pluriflorum*)**
Grass Blazingstar (*Mentzelia gracilenta*)*
Cottony Buckwheat (*Eriogonum gossypinum*)*
Temblor Buckwheat (*Eriogonum temblorense*)
Twisselmann's Buckwheat (*Eriogonum twisselmannii*)
Ferris' Goldfields (*Lasthenia ferrisiae*)*
San Joaquin Woollythreads (*Monolopia congdonii*)
Pale Yellow Layia (*Layia heterotricha*)**
Munz's Tidytips (*Layia munzii*)*
Big Tarplant (*Blepharizonia plumosa*)*
Twisselmann's Nemacladus (*Nemacladus twisselmannii*)
Round-leaved Filaree (*California 'Erodium' macrophylla*)*
Temblor Range Clarkia (*Clarkia tembloriensis*)
Northern California Black Walnut (*Juglans hindsii*)
San Joaquin Bluecurls (*Trichostema ovatum*)*
Oval-leaved Snapdragon (*Antirrhinum ovatum*)**
Byron Larkspur (*Delphinium recurvatum*)
Spiny-sepaled Button-Celery (*Eryngium spinosepalum*)
Alkali Heliotrope (*Heliotropium curassavicum*)*
Douglas Fiddleneck (*Amsinkia douglasiana*)*
California Jewelflower (*Caulanthus californicus*)*
Nodding Needle Grass (*Nassela cernua*)**
Crinkled Onion (*Allium crispum*)*
Stinkbells (*Fritillaria agrestis*)*

*Species that have been found in habitats of Santa Barbara County similar to those where the reservoirs are proposed, according to Smith, Clifton F. 1998. *A Flora of the Santa Barbara Region, California.* Santa Barbara Botanic Garden and Capra Press, Santa Barbara, CA.

**Species that have been found in the Cottonwood Subarea as noted in Smith (1998).

*** From a total of 25 species classified in the BLM list as threatened, only 8 are not listed for the Cuyama Valley in Smith (1998).

September 10, 2018

To: Chair Blough and Commissioners
Santa Barbara County Planning Commissioners

On behalf of the landowners and residents of Cottonwood Canyon which is adjacent to the North Fork Vineyard property, please find the following petition in support of the appeal before you related to the permit for three reservoirs on the vineyard property. This petition is signed by over 80% of the full and part-time resident landowners of Cottonwood Canyon which is located in the 5th Supervisorial District. Thank you for your consideration.

April 2, 2018

To: Chairman DanielBlough and Commissioners
From: Cottonwood Canyon Residents and Landowners
Re: North Fork Ranch Frost Ponds

The undersigned are residents and/or landowners in Cottonwood Canyon, west of the North Fork Ranch Vineyard in the Cuyama Valley. Water is a precious resource to all of us. The Cuyamagroundwater basin is in a state of critical overdraft, with annual extractions much greater than replenishment. Groundwater is the only water supply for Cuyama Valley.

Between November 2014 to August 2015, we witnessed the installation of 11 new agricultural wells in the Cottonwood subbasin and the conversion of 850 acres non-irrigated rangeland to vineyards. Brodiaea, Inc.is now requesting County approval to construct three 49 acre-foot reservoirs that they claim will be used for frost protection.

Brodiaea claims that the Cottonwood subbasin is separate from the Cuyamagroundwater basin, and is not in a state of overdraft. The California Department of Water Resources rejected the foundation of Brodiaea's claim based on scientific evidence and literature. We are gravely concerned that Brodiaea's pumping will worsen the overdraft of the Cuyamagroundwater basin.

Our community is developing a Cuyama Groundwater Sustainability Plan (GSP) under the Sustainable Groundwater Management Act (SGMA), which must be submitted to the Department of Water Resources (DWR) by January 2020.Until the GSP is completed and approved, we should not approve projects that increase Cuyama'soverdraft.

As residents and landowners of Cottonwood Canyon, we are concerned that the project, including both the proposed reservoirs and the vineyard,will adversely impact groundwater supplies especially the wells in our Canyon. We request that an Environmental Impact Report(EIR) be prepared to analyze the project's impactsto the Cuyamagroundwater basin and whether it will prejudice the Groundwater Sustainability Plan process and compromise water supply sustainability in the Cuyama Valley.

For all these reasons, the undersigned request that the Planning Commission find that the project may have a significant impact on groundwater resources and direct preparation of an EIR.

Residents and/or Landowners in Cottonwood Canyon

SIGNATURE	PRINT NAME	COTTONWOOD CYN ADDRESS
R Jaffe	Roberta Jaffe	Condor's Hope Ranch
James Carroll	Dennis Carroll	

As residents and landowners of Cottonwood Canyon, we are concerned that the project, including both the proposed reservoirs and the vineyard, will adversely impact groundwater supplies. We request that an EIR be prepared analyze the project's impactsto the Cuyamagroundwater basin and whether it will prejudice the Groundwater Sustainability Plan process and compromise water supply sustainability in the Cuyama Valley.

For all these reasons, the undersigned request that the Planning Commission find that the project may have a significant impact on groundwater resources and direct preparation of an EIR.

Residents and/or Landowners in Cottonwood Canyon

SIGNATURE	PRINT NAME	COTTONWOOD CYN ADDRESS
	William F. Reid IV	
	John Cabe	
	ANGEL CABE	
Julie Reid	Julie Reid	2875 Cottonwood Cyn
	John E. Kidd	Cotton Canyon No. 1 #
		Cotton Canyon #1
	Randall Tognazzini	3750 Cottonwood Canyon Rd.
	CAROL TOGNAZZINI	
	DENZEL A. HYDER	NONE-EL RANCHO CHAPARRAL
Sue Krout	Sue Krout	Cottonwood/Foothill Canyon
	Robert Ryan	Cottonwood/Foothill Canyon
		2461 Cottonwood Cyn. Rd new Cuyama
	JANE JONES	2401 Cottonwood Cyn Rd
	SUSAN L. BROWN	8000 FOOTHILL RD NEW CUYAMA
	STEVE BROWN	8000 FOOTHILL RD New Cuyama
	DEBBIE DALES	8000 FOOTHILL RD New Cuyama
	Steve Glissman	12340 Foothill Rd, New Cuyama

Villalobos, David

From: Louise Draucker <ldraucker@gmail.com>
Sent: Saturday, September 08, 2018 3:31 PM
To: Villalobos, David
Subject: frost pond project in Cuyama Valley

Categories: Purple Category

My husband and I have lived in Cuyama Valley for almost 45 years and have watched the take-over of this beautiful valley and its groundwater for many years now. There has been a marked decrease in wildlife since the advent of unlimited watering for commercial farming. It seems the only mammals left are gophers, ground squirrels, and coyotes. I have identified and counted backyard birds for many years for Project Feederwatch, run by Cornell University. I have less than half the numbers I had 20 years ago. The same goes for insects. Pollinators are few and far between. Instead, there seems to be a race to be the first to drain the basin among the commercial agriculture companies.

The state of California has designated Cuyama Valley as a high-priority, critically overdrafted basin. Farmers and a few residents have been charged with coming up with a plan for sustainability under SIGMA regulations. But is that realistic? Can the pace of groundwater extraction be slowed enough to ensure adequate water for farmers and residents?

It doesn't make sense to overhead-water lettuce and other salad greens (cool-weather crops) to keep them cool in the summer as big ag is doing now, but now Brodeia wants to overhead water in the winter to keep the grapes from freezing. There are other solutions for both problems, but the goal does not appear to be sustainability.

The rapid depletion and degradation of our groundwater poses major consequences for residents of Cuyama Valley. What will happen to residents when it is no longer economical or practical to continue farming? Residents also rely on groundwater. Cuyama Valley has three disadvantaged communities; it will be very expensive, if not impossible, for many people to move, and it is very expensive to increase the depth of wells. Our homes and property will have little or no value without adequate water.

A complete Environmental Impact Report is absolutely essential in this case. Surely Santa Barbara County will be as environmentally conscientious in its northern sector as it is in its southern portions. The request for frost-pond wells, and procedures for future agricultural wells, need to be reviewed for current appropriateness. Our world is changing too fast to be careless what we allow.

Louise Draucker
ldraucker@gmail.com

LAW OFFICE OF MARC CHYTILO, APC

ENVIRONMENTAL LAW

September 7, 2018

Santa Barbara County Planning Commission
Santa Barbara County
123 E. Anapamu Street
Santa Barbara, CA 93101

By email to dvillalo@co.santa-barbara.ca.us

RE: North Fork Ranch Frost Ponds Appeal; Legal Question Regarding MND Scope

Dear Chair Blough and Honorable Planning Commissioners,

This office represents Roberta Jaffe and Stephen Gliessman, Appellants in this matter. Ms. Jaffe and Mr. Gliessman are Cuyama Valley residents and farmers of a 5-acre dry-farming operation called Condor's Hope Ranch. Appellants have already submitted several letters into the record including a report from professional hydrologist Dennis Gibbs to support our appeal, and this office will submit an additional letter responding in full to the Staff Report before Monday's noon submittal deadline. This letter addresses one specific legal issue that is central to the adequacy of the Mitigated Negative Declaration (MND) prepared for the North Fork Frost Ponds Project ("Project"), that we want to ensure the Applicant and County Counsel have the opportunity to fully review and respond to.

The Cuyama Valley relies on groundwater as its exclusive source of water. Agriculture and human habitation would not be possible in the Cuyama Valley without adequate groundwater. The Cuyama Groundwater Basin is in a state of Critical Overdraft, with groundwater extraction proceeding at twice the rate of groundwater recharge. The County's Environmental Thresholds, as described in the MND, provide:

> A project is determined to have a significant effect on water resources if it would exceed established threshold values which have been set for each overdrafted groundwater basin. These values were determined based on an estimation of a basin's remaining life of available water storage. If the project's net new consumptive water use [total consumptive demand adjusted for recharge less discontinued historic use] exceeds the threshold adopted for the basin, the project's impacts on water resources are considered significant. The water demand threshold for the Cuyama Valley Groundwater Basin is 31 AFY. The adopted threshold applies only to projects subject to discretionary review by the County, and do not apply to uses, such as agricultural operations, that do not require approval of a discretionary permit.

(MND, p. 35.)

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A key issue in this appeal is whether it was proper for the MND to constrain its analysis of the Project's groundwater impacts to consider only the water lost from the surface of the frost ponds through evaporation, rather than the water used to fill the frost ponds and protect the grapes from frost. This issue is central to the question of whether the Project's impacts to groundwater are significant. When only this surface evaporation is considered, the MND ascertains that the Project will utilize 26.28 AFY, which is less than the 31 AFY of groundwater required to trigger a significant impact pursuant to the County's CEQA thresholds. (MND pp. 38-39.) However, at least 147-AFY, and likely much more than that, will be actually used for operation of the Frost Ponds, which unquestionably exceeds the County's CEQA threshold. A CEQA document must evaluate the *whole of a development proposal* with the potential to impact the environment, not merely the governmental approval. (CEQA Guidelines §§ 15378 (a, c and d).) Discussed below, there is simply no legal basis for excluding the Project's consumptive water use from the environmental analysis simply because the water will be used for agricultural purposes.

The Staff Report states on page 8 (emphasis added):

> Since the proposed water storage reservoirs require the approval of a discretionary permit (a Minor Conditional Use Permit), their construction and operation is subject to CEQA review. *However, water that would be stored in the reservoirs and applied directly to the vineyards for frost protection would support an allowed agricultural use, similar to the application of irrigation water, and that water is not a discretionary action that is subject to CEQA review.*

The first sentence above accurately characterizes the construction and operation of the frost ponds as a discretionary project requiring CEQA review. The second sentence essentially provides that where a project like this includes both discretionary and ministerial elements, only the discretionary elements are subject to CEQA review. <u>This proposition is plainly contrary to CEQA.</u>

CEQA identifies a three-step process:

> First, the Lead Agency, during its "preliminary review" of a project, determines whether an agency is contemplating "approval" of a "project," and whether the project is subject to CEQA or is exempt.
>
> Second, if the project is not exempt, the Lead Agency prepares an Initial Study to determine whether the project may have a significant effect on the environment, and then prepares a Negative Declaration if there is no substantial evidence of significant effect.
>
> Third, if the Initial Study shows that the project may have a significant effect on the environment, the Lead Agency prepares an Environmental Impact Report (EIR).

(California Environmental Law & Land Use Practice § 21.02 (2018).) Determining whether a project is "discretionary" or "ministerial" involves the first step. **"<u>Where a project involves an approval that contains elements of both a ministerial action and a discretionary action, the</u>**

project will be deemed to be discretionary and will be subject to the requirements of CEQA." (CEQA Guidelines § 15268 (d) (emphasis added).)

The "Project" that proceeds to step 2 is "the whole of an action, which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment" (CEQA Guidelines § 15378 (a)). "Project" refers to the underlying development proposal, not the governmental approval. (Id., subd. (c) and (d "the lead agency shall describe the project as the development proposal for the purpose of environmental analysis") (emphasis added.)) Accordingly, pursuant to CEQA Guidelines sections 15268 (d) and 15378, the "Project" analyzed in the environmental review document cannot be limited to only the discretionary elements of the proposal. Moreover, whether a particular activity constitutes a CEQA "project" is a question of law; courts do not defer to Lead Agency determinations of whether an activity is a project. (California Environmental Law & Land Use Practice § 21.02 (2018); California Environmental Law & Land Use Practice § 21.05 (2018); *Fullerton Joint Union High School Dist. v. State Bd. of Education* (1982) 32 Cal.3d 779, 795.)

We have found no case upholding a decision to *exclude* an element of a Project from the environmental analysis of an otherwise discretionary project because that element would not individually require governmental approval. The Applicant has identified several cases, discussed in turn below, that they believe are helpful in supporting their case. However, none of these cases involve projects being approved with discretionary permits, like the Frost Ponds Project.

Friends of Westwood v. City of Los Angeles (1987) 191 Cal.App.3d 259, 266-267, explains why CEQA applies to discretionary projects, but does not in any way support an assertion that the scope of the "Project" considered in the Frost Pond MND can exclude consideration of Project water use:

> As applied to private projects, the purpose of CEQA is to minimize the adverse effects of new construction on the environment. To serve this goal the act requires assessment of environmental consequences where government has the power through its regulatory powers to eliminate or mitigate one or more adverse environmental consequences a study could reveal. Thus the touchstone is whether the approval process involved allows the government to shape the project in any way which could respond to any of the concerns which might be identified in an environmental impact report. And when is government foreclosed from influencing the shape of the project? Only when a private party can *legally compel* approval without any changes in the design of its project which might alleviate adverse environmental consequences.

Clearly here, the Applicant cannot legally compel approval of the Frost Ponds Project. The Planning Commission is well within its discretion to apply mitigation measures or alternatives that reduce the water used by the Project, and accordingly reduce the potentially significant impact to groundwater resources. Such measures and alternatives potentially include more efficient

sprinklers, the use of wind machines, and delayed pruning, among other things. (*See e.g. https://www.kj.com/blog/frost-protection-vineyards.*)

Leach v. City of San Diego (1990) 220 Cal.App.3d 389 determined that a decision to draft water from one reservoir to another was ministerial and not subject to CEQA review. Importantly however, the action at issue in *Leach* did not involve the construction or operation of the reservoirs. There was no discretionary action linked to the drafting. Here by contrast, the action proposed for approval is the *construction and operation* of three frost ponds. The approval indisputably requires a discretionary Conditional Use Permit.

San Diego Navy Broadway Complex Coalition v. City of San Diego (2016) 185 Cal.App.4th 924 concerned the question of whether a subsequent action concerning a project, after that project had been approved with an EIR, triggered CEQA's subsequent environmental review requirements. The court determined no subsequent environmental review was required in part because the discretion available to the agency was strictly limited to aesthetics, and the environmental impacts at issue in the petition concerned global climate change only. The court declined to determine whether CEQA could be applied to address aesthetic issues, because the petition did not request subsequent environmental review concerning aesthetics. (*Id.* at 939.) In the Frost Pond context however, the environmental impact at issue concerns groundwater use, and the Project itself over which the Planning Commission has plenary discretion will impound and consume groundwater. Accordingly, *San Diego Navy* is readily distinguishable both in its procedural posture and on its facts, and it fails to lend any support to the proposition that the Frost Ponds MND may exclude consumptive water use from consideration in the impact analysis.

Sierra Club v. Napa County Board of Supervisors (2012) 205 Cal.App.4th 162, 180 again clarifies that the approval process involved must allow the government to shape the project in a way which responds to the concerns that could be identified in an EIR. Again however, because the Frost Ponds Project clearly requires the approval of a discretionary CUP, the Planning Commission has the discretion to condition the Project in a way that would reduce water use, or indeed could deny the Project outright.

The quantity of water the Applicant could theoretically use through alternative means that would not involve a discretionary permit is not relevant to the determination of whether the environmental analysis for *this Project*, approved under a discretionary CUP, may *exclude* the water used during operation of the Project in its environmental analysis. A long line of cases hold that an initial study or negative declaration "must focus on impacts to the existing environment, not hypothetical situations". (*Communities for a Better Environment v. South Coast Air Quality Management Dist.* (2010) 48 Cal.4th 310, 321, 323.) In Communities for a Better Environment, the California Supreme Court reasoned as follows:

> the Negative Declaration reasons that the increased steam production the Diesel Project called for was within the boiler permits' maximum operational levels and "could, therefore,

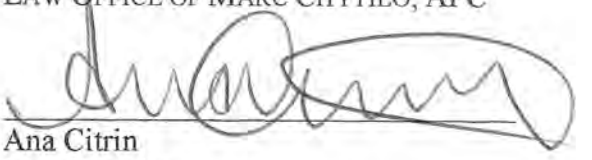
> occur even if the proposed project did not commence (exist)." By comparing the proposed project to what *could* happen, rather than to what was actually happening, the District set the baseline not according to "established levels of a particular use," but by "merely hypothetical conditions allowable" under the permits. (*San Joaquin Raptor Rescue Center v. County of Merced, supra,* 149 Cal.App.4th at p. 658.) Like an EIR, an initial study or negative declaration "must focus on impacts to the existing environment, not hypothetical situations." (*County of Amador v. El Dorado County Water Agency, supra,* 76 Cal.App.4th at p. 955.)
>
> An approach using hypothetical allowable conditions as the baseline results in "illusory" comparisons that "can only mislead the public as to the reality of the impacts and subvert full consideration of the actual environmental impacts," a result at direct odds with CEQA's intent. (*Environmental Planning & Information Council v. County of El Dorado, supra,* 131 Cal.App.3d at p. 358.) The District's use of the prior permits' maximum operating levels as a baseline appears to have had that effect here, providing an illusory basis for a finding of no significant adverse effect despite an acknowledged increase in NOx emissions exceeding the District's published significance threshold.

(Id. at 323.) Pursuant to this authority, the impacts of the Frost Ponds Project must be measured against the existing conditions on the ground, not against a hypothetical scenario such as the Applicant increasing water use to the same degree via other non-discretionary means.

To conclude, CEQA plainly requires that once a Project is determined to be subject to CEQA, the CEQA document must evaluate the *whole of the development proposal*. (CEQA Guidelines § 15378 (a).) The Project analyzed is not limited to the specific portion of the Project over which the County has approval jurisdiction. (Id. subd. (c and d). Here, the development proposal is the construction and operation of three frost ponds that would store water to be used for frost protection. Operation of the frost ponds includes the sustained spray irrigation of approximately 1,000 acres of existing vineyards for frost protection purposes. There is simply no legal basis for excluding this water use from the environmental analysis.

Respectfully submitted,

LAW OFFICE OF MARC CHYTILO, APC



Ana Citrin
Marc Chytilo
For Appellants Jaffe and Gliessman

CC: County Counsel
Steve Rodriguez, Planner

Santa Barbara County Farm Bureau

Affiliated with the California Farm Bureau Federation and the American Farm Bureau Federation

AGENDA ITEMS
ITEM #: 3
MEETING DATE: 9/12/18

August 29, 2018

Paul Van Leer, Chairman
Santa Barbara County Agricultural Advisory Committee

Chairman Van Leer:

The Santa Barbara County Farm Bureau, a nonprofit California corporation representing approximately 1,400 agricultural and associate members in Santa Barbara County, support the construction and use of 3 agricultural reservoirs on the North Fork Vineyard, located near the western end of the Cuyama Valley.

The applicant, Brodiaea Inc, received a Zoning Administrator hearing after a 20-month permit and environmental review process. The Zoning Administrator found the construction of the three reservoirs met all County standards. The Zoning Administrator approved the CEQA Mitigated Negative declaration, including a determination the construction of the reservoirs fell beneath the threshold of significance for water use. The Zoning Administrator concurred with County Staff's determination that agricultural water use and the associated development of wells, as exempt activities and are not considered a "project" under CEQA.

Reservoirs are and historically have been an integral part of irrigated agriculture here in Santa Barbara County as well as the State. They help maximize the farmers' ability to manage the water they legally have access to, while allowing them to be more flexible and efficient in their water use.

The applicant has met all of Santa Barbara Counties permitting requirements for constructing these reservoirs.

Sincerely,

Russell Doty, President
Santa Barbara County Farm Bureau

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S.B. COUNTY
PLANNING & DEVELOPMENT
HEARING SUPPORT

180 Industrial Way * P.O. Box 1846 * Buellton, California 93427 * Telephone (805) 688-7479 * FAX (805) 688-0428

CALIFORNIA FARM BUREAU FEDERATION

OFFICE OF THE GENERAL COUNSEL

2300 RIVER PLAZA DRIVE, SACRAMENTO, CA 95833-3293 · PHONE (916) 561-5665 · FAX (916) 561-5691

Sent via email

dtrupe@co.santa-barbara.ca.us

September 4, 2018

AGENDA ITEMS

ITEM #: 3

MEETING DATE: 9/12/18

Paul Van Leer, Chairman
Santa Barbara County Agricultural Advisory Committee
Santa Barbara County Agricultural Commissioner's Office
263 Camino del Remedio
Santa Barbara, CA 93110-1335

Re: North Fork Ranch Frost Ponds Project Appeal

Dear Chair Van Leer,

Enclosed is the California Farm Bureau Federation's letter to the Santa Barbara County Planning Commission regarding the North Fork Ranch Frost Ponds Project Appeal. For the reasons described therein, we encourage the Santa Barbara Agricultural Advisory Committee to discourage the Planning Commission from accepting the appeal.

Farm Bureau believes that groundwater management is appropriately addressed locally through the process set forth in the Sustainable Groundwater Management Act (SGMA), not through permitting of water management infrastructure on the farm. The appeal attempts to use the permitting process to accomplish what should be addressed through SGMA.

Thank you for considering the attached letter as you discuss this critical issue. Please contact me at jrice@cfbf.com or (916) 561-5667 with any questions.

Very truly yours,

JACK L. RICE
Senior Counsel

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SEP 04 2018

S.B. COUNTY
PLANNING & DEVELOPMENT
HEARING SUPPORT

Attachment

cc: Santa Barbara County Farm Bureau

ATTACHMENT

CALIFORNIA FARM BUREAU FEDERATION

OFFICE OF THE GENERAL COUNSEL

2300 RIVER PLAZA DRIVE, SACRAMENTO, CA 95833-3293 · PHONE (916) 561-5665 · FAX (916) 561-5691

September 4, 2018

via email: dvillalo@co.santa-barbara.ca.us

Daniel Blough
Chair, 5th District
C/O Planning and Development, Hearing Support
123 East Anapamu Street
Santa Barbara, Ca. 93101

Re: North Fork Ranch Frost Ponds Project Appeal

Dear Chair Blough,

Please accept these comments from the California Farm Bureau Federation (Farm Bureau) regarding the North Fork Ranch Frost Ponds Project Appeal (Appeal). Although concerns about groundwater management are common and understandable, these issues should be worked out through local implementation of the Sustainable Groundwater Management Act (SGMA), not through permitting of on-farm water management infrastructure. Farm Bureau encourages the Planning Commission to reject the Appeal and allow SGMA's thoughtful and deliberate process to address groundwater management in the Cuyama Valley.

Farm Bureau is a non-governmental, non-profit, voluntary membership California corporation whose purpose is to protect and promote agricultural interests throughout the state of California and to find solutions to the problems of the farm, the farm home and the rural community. Farm Bureau is California's largest farm organization, comprised of 53 county Farm Bureaus currently representing approximately 40,000 agricultural, associate and collegiate members in 56 counties. Farm Bureau strives to protect and improve the ability of farmers and ranchers engaged in production agriculture to provide a reliable supply of food and fiber through responsible stewardship of California's resources.

Local communities throughout California are working hard to achieve the important goal of sustainable groundwater management in compliance with SGMA. For basins like the Cuyama Valley, identified by the Department of Water Resources as being subject to critical conditions of overdraft, this can be especially challenging. But it is precisely because sustainable groundwater management is such an important goal, and because the issues are so challenging, that SGMA established a thorough process with clear standards and timelines. This process is essential to ensuring local communities develop a workable Groundwater Sustainability Plan that can be successfully implemented.

The Appeal would impair this process by attempting to achieve the purposes of SGMA through the process of permitting of water management infrastructure on the farm. We encourage the Planning Commission to reject this approach. Basin-wide groundwater management and on-farm water management are different. Basin-wide groundwater water management is about bringing a basin's groundwater budget into balance, ultimately informing individual pumpers of how much water is available for extraction. On-farm water management, in contrast, is how farmers manage whatever water is legally available to them. Where SGMA will inform groundwater users how much water they may pump, on-farm water management is how farmers manage whatever water they will have.

In the Cuyama Valley basin, the groundwater management process is moving quickly. SGMA requires the Cuyama Valley basin to have a Groundwater Sustainability Plan adopted by January 31, 2020, a mere 17 months from now. It is this plan that will describe the groundwater budget and identify the groundwater available for use in the North Fork Ranch frost ponds. Whatever this amount turns out to be, the frost ponds will be important water management infrastructure necessary to use the available water effectively and efficiently. The permitting process for on-farm water infrastructure should not be used to attempt to preempt SGMA. Groundwater management should be left to the SGMA process, and construction of water infrastructure on the farm should follow normal procedures.

Because allowing the permitting process for water management infrastructure on the farm to subvert SGMA would be a troubling precedent, Farm Bureau encourages the Planning Commission to reject the Appeal.

Thank you for considering these comments. Please contact me at jrice@cfbf.com or (916) 561-5667 with any questions.

Very truly yours,

JACK L. RICE
Senior Counsel

cc: Santa Barbara County Agricultural Advisory Committee
Santa Barbara County Farm Bureau

Villalobos, David

From: John Mackenzie <j7a9mac10@gmail.com>
Sent: Monday, September 03, 2018 7:54 PM
To: Villalobos, David
Subject: Harvard Endowment, et al reservoirs

Categories: Purple Category

S B Planning Staff,
I have lived in the Cuyama Valley for 16 years. I have served as Vice Chairman of CCSD for 12 years. I have written previously to County Planning in opposition to the so called frost ponds proposed by the latest water mining scheme in this fragile valley.

I have frequently appeared before County Supervisors to to express varying degrees of outrage at the mismanagement of this remote corner of Santa Barbara by those whose role it is to protect its resources and ecological integrity now and for the future.

I hoped at one time that County Planning would rezone to allow a kind of development encouraging local growth instead of endorsing industrial scale environmental destruction by out-of-county and out-of-state entities. Instead 661 imposes a one-size-fits-all regime that favors historically destructive patterns that allow for the acceleration of the extraction of the sole source of water at mega-scale levels.

The proposed reservoirs have a purpose other than stated by applicant. The engineering is based on unverified assumptions and outdated technology. The evaporation calculations are specious. The geological/hydrological assertions are wishful thinking. This is an investment, pure and simple, designed to appeal to a new investor who cares no more for this valley than the current applicant.

I urge County Planning to recognize the facts and the real science that is in opposition to this scheme and honor your responsibility to at minimum, require the EIR that the applicants have so desperately hoped to avoid. You would be starting a new trend toward responsible management of North East Santa Barbara County.

Sincerely,
John A. Mackenzie

YULALONA HYDROLOGY
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September 5, 2018

Mr. Daniel Blough
Chair, Santa Barbara County Planning Commission
123 East Anapamu Street
Santa Barbara CA 93101

Dear Mr. Blough and Honorable Santa Barbara County Planning Commission Staff (SBCPC)

I have been retained on behalf of Mr. Steve Gliessman and Ms. Roberta Jaffe of *Condor's Hope Ranch* (CHR), located in the Cottonwood Canyon Subarea of the Cuyama Valley and Cuyama Groundwater Basin (CGB) to provide an unbiased review of the documents and analyses provided as part of the proposed "North Fork Ranch Frost Ponds" Case No. 16CUP-00000-00005, by the Applicant Brodiaea, Inc. My qualifications to comment on this matter and project include 30 years of experience in all aspects of hydrology and hydrogeology, 20 years of experience monitoring and reporting on water conditions in the Cuyama Valley, eight years of experience serving as the "project manager" for the US Geological Survey – Santa Barbara County Water Agency Water Availability Study (2014) and a professional license in the field of Hydrology.

I would like to concisely bring to your attention **five** deficiencies as the above referenced project is evaluated, and which implicate potentially significant impacts under CEQA. This "summary assessment" could be developed further with the investment of additional resources, however that would be the function of a more robust environmental review process.

1. The applicant claims abundant groundwater resources are available in the project area but no peer reviewed published literature exits to support such claims. CHR requested the analysis of "groundwater availability" used by the applicant to support such claim but the request for transparent information was denied.

2. The project area lies within the boundaries of the Cuyama Groundwater Basin (CGB) as defined by the California Department of Water Resources (CDWR) Bulletin 118 which has been defined to be in a critical state of "overdraft" or "usage greater than replenishment". The applicant states that the project area is separated from the Cuyama Groundwater Basin and residential and small scale farmstead water wells but again there is no scientific peer reviewed work to support this claim.

3. The applicant states that "imbalance" of the Basin is not relevant since the *County of Santa Barbara Environmental Thresholds and Guideline Manual* (1992) state a "threshold of significance of 31 acre-feet per year" for a project in the CGB to require further environmental review. These "thresholds" are severely out of date (25 years old).

4. The applicant has grossly underestimated water demand for the project.

5. The applicant has overemphasized needed usage of water for "frost protection".

I will expand on each of the aforementioned points in detail:

1. No proof of long term Water Availability

Previous investigations by Federal, State and Local Agencies indicate the overall Cuyama Groundwater Basin "imbalance" from a low of 14,600 Acre Feet per Year to a high of 38,000 Acre Feet per Year, with a mean or average of 28,100 Acre Feet per Year and a **median value of 30,300 Acre Feet per Year.** According to the US Geological Survey (USGS) the overall Hydrologic Budget of the CGB is in a serious condition of "overdraft" or "imbalance" or "usage greater than replenishment", and has been for many decades (Hanson, 2014, 2015 and others).

The Cuyama Groundwater Basin has been declared to be in a state of "critical overdraft" by the CDWR. This includes the Cottonwood Canyon Subarea as defined in CDWR Bulletin 118 (2003), where the Project would extract its water. As such, this Basin is one of 21 Basins in California that are designated "High Priority" and must submit a Groundwater Sustainability Plan under the Sustainable Groundwater Management Act (SGMA) to the CDWR by January 2020. Until water augmentation and recharge projects are planned, funded and undertaken to increase percolation to "offset further degradation" and examine "sustainability" as contemplated by SGMA, no projects which increase extraction of groundwater should be approved. Approving a project that will cause a significant increase in groundwater extractions before the SGMA Groundwater Sustainability Plan is adopted and implemented in less than 18 months could substantially prejudice the Groundwater Sustainability Plan and increase the burdens of achieving sustainability of this resource as required by SGMA.

The Project Applicant has made the claim of abundant groundwater resources available in the area but has denied requests to review their analyses to prove such. They claim this Cottonwood subarea is named the *Ruby Star Groundwater Basin* but this "Basin" is not cited in any US Geological Survey (USGS), California Department of Water Resources (CDWR), US Department of Agriculture (USDA), Santa Barbara County (SBC) or any other peer reviewed and published literature. The Applicant has also made the argument that geological fault barriers separate the project water production area from residential wells in Cottonwood Canyon, and has an "available storage" of 54,000 Acre-Feet of groundwater, but there are no published studies which have been adequately peer reviewed to support this claim **and requests by CHR to review the analysis used to make these claims were denied** Without credible, verifiable and peer reviewed evidence supporting the Applicant's contrary claims that the project will extract groundwater from a separate isolated basin, it must be assumed that the Project proposes to utilize water from the CGB.

2. The Project could adversely affect existing groundwater users in the area

Recent studies (Everett, 2013), have indicated that much of the groundwater extracted in the Cuyama Groundwater Basin is thousands to tens of thousands of years old indicating that simply "the mining of groundwater" is occurring. Given residential wells in the area are shallower than agricultural wells, this mining of groundwater could result in severe implications for residents and small farmers using residential-scale wells like *Condor's Hope Ranch*.

In addition, based on my review of evidence of increasing climatic uncertainty and by interpolating local dendrochronology records that disclose long-period historical and pre-historical trends, I believe that

higher extremes of dry periods (longer and more severe) can be expected. Tree ring analysis and reconstruction of climate has been done for the Santa Ynez River Watershed (Michaelsen and Haston, 1988) indicates that since 1537 there have been major fluctuations in precipitation variability including changes in the frequency of extremes and rare events that have not occurred during the time of modern written records. The recharge of waters to the Cuyama Groundwater Basin could be substantially diminished in the future based on these trends and related evidence.

3. Applicant Claims the "existing imbalance of the Basin is not relevant"

The applicant states that "imbalance" of the Basin is not relevant since the *County of Santa Barbara Environmental Thresholds and Guideline Manual* (1992) state a "threshold of significance of 31 acre-feet per year" for a project in the Cuyama Groundwater Basin to require further environmental review. These "thresholds" are severely out of date (25 years) and the Final MND more than tripled the amount of annual evaporative loss for the proposed "frost ponds" from 8.14 acre feet per year to 26 acre feet per year, based on the change of keeping water in the "frost ponds" year round to alleviate damage to pump and control systems. This alone equates to an increase of over 300% in loss of valuable water to direct evaporation and thins the margin between the 1992 accepted "thresholds" of 31 acre feet per year. There is no guarantee in place that the "frost ponds" will only hold 3 feet of water in non-frost months and most likely the loss will be significantly greater than 31 acre feet per year for ponds with a cumulative area of 15.6 acres in an arid environment such as the Western Cuyama Valley. Additionally, the 31 AFY Threshold was calculated based on a lesser level of overdraft, as detailed in Table 2 of the County's 2008 CEQA Thresholds, which is based on 1992 data. The 1992 Cuyama Groundwater Basin overdraft was 28,525 AFY, whereas the Negative Declaration discloses that the 2014 overdraft is at least 30,000 AFY (Page 35 of FMND). The 31 AFY Threshold should be recalculated to reflect more current data on the status of the Cuyama Groundwater Basin.

According to the Santa Barbara County Planning Department's CEQA Thresholds and Guidelines Manual (2008) *"Groundwater supplies are limited in terms of the annual amount of water which can be withdrawn without causing a long term drop in water levels ("Safe Yield") and in the amount of total storage of a basin which can be removed without significant environmental effects ("Available Storage"). These limits make* ***conservative use*** *of water a necessary policy in Santa Barbara County in order to avoid or minimize significant and lasting adverse environmental effects"* (Pages 67-68).

Therefore, I disagree with sub sections **a.** and **g. through j.** of section 4.16 Water Resources/Flooding of the Final Mitigated Negative Declaration dated August 11, 2017 for project 16CUP-00000-00005 which state Less than Significant Impacts. Based on the overdrafted condition of the Greater Cuyama Groundwater Basin, which per CDWR Bulletin 118 includes the Cottonwood Sub-basin, I believe that the project could result in Potentially Significant Impacts in these areas of Water Resources.

4. The Applicant has grossly underestimated water usage for the Project

I have carefully reviewed and disagree with the conclusions in the "Analysis of Reservoir Evaporative Losses" provided to the Applicant by *Monsoon Consultants* because it does not accurately account for local climatic conditions. Based on my knowledge of the area, and on available data, I believe that the overall annual evaporative losses would significantly exceed the threshold of 31 acre feet per year, and

further that this threshold should be lowered to avoid significant direct project and cumulative impacts to the Cuyama Groundwater Basin. The analysis understates the amount of evaporation by not taking into account potential "frosts" during the month of May and the minimum storage needed in winter months to alleviate damage to pond-pump infrastructure.

In addition, water duty projections are unrealistic. The Applicant has suggested that the Vineyards will only consume a depth of approximately 0.8 feet of water per year. The UC Cooperative Extension estimates "Irrigation Water Use by Crops in Santa Barbara County" (Included in this correspondence as Appendix A). The chart, which is a part of the County's CEQA Thresholds, lists a range of 1.0 to 3.0 feet of water usage for Grapes in the Santa Ynez, Los Alamos and Sisquoc Valleys with an average value of 2.0 feet. As of 1981 when this work was accomplished, viticulture in the Greater Cuyama Valley was rare to absent and thus no values were presented for such locale. However, it is well established that the Cuyama Valley provides a much hotter and more arid climate than the Santa Ynez, Los Alamos or Sisquoc areas and does not experience any "sea breeze" which cools and increases humidity in those regions. For all these reasons, I believe that the value of projected water use to raise wine grapes in the Cuyama region must be assumed to be greater than 2.0 feet. Using a value of 2.5 feet which in my opinion more accurately describes likely water usage for the Project in its location, with 850 acres in production, this equates to an extraction of approximately 2130 acre-feet per year in a "critically overdrafted groundwater basin" as defined by CDWR, versus the approximate 680 acre-feet using the value (depth) of 0.8 feet. Thus, the combination of the project's extraction to maintain and utilize the frost ponds with the more realistic amount of water needed to grow the crops themselves supports the conclusion that the project will have a significant cumulative impact to the Cuyama Groundwater Basin.

5. The applicant has <u>overemphasized</u> needed usage of water for "frost protection"

It is widely known in the viticulture industry that water consumption for "frost protection" can be minimal when utilizing the latest technology in fine spray nozzles compared to the overall consumptive water use for the maturity and viability of such crops (Sisquoc Ranch Staff, 2017). It is also widely known that in many agriculturally developed areas where "instantaneous" water production from groundwater wells cannot meet needed irrigation requirements, "storage" ponds are commonly used. These facts, combined with the size of the proposed ponds at just under the minimum requirement to be defined as a "Dam" by the US Bureau of Reclamation at 49 acre feet, raises a distinct possibility (if not probability) that the applicant will use these structures for routine irrigation since the frost protection goals can be met through different techniques that do not justify such large water storage facilities on these lands.

While the Applicant threatens that without the frost ponds, they could be forced to install larger pumps and/or add additional wells, these alternatives would avoid the evaporative losses from the surface of the frost ponds, and would avoid the other impacts to the environment from constructing the frost ponds.

<u>Summary</u>

There has been a historical lack of "comprehensive planning" for water supplies and land use in the Cuyama Valley, where all water users must rely exclusively on groundwater or are limited to "dry farming". In the Cottonwood Subarea where the proposed project would extract groundwater there have been no peer reviewed published technical reports by any public or private agency which would support the conclusion that ample groundwater supplies exist and surface detention of water is a

prudent practice. In addition, the Sustainable Groundwater Management Act (SGMA) dictates conservation requirements must be put in place by 2020.

Based on my knowledge, experience and study of local geohydrology, and review of the proposed project and MND, I believe there is ample evidence that supports the conclusion that the proposed project could result in significant adverse effects to the water resources of the Cottonwood Subarea of the Cuyama Groundwater Basin as designated by the California Department of Water Resources Basin 3-13 (CDWR, 2003). It is my opinion that Santa Barbara County should not approve the referenced project (16CUP-00000-00005) without complete environmental review in regards to utilization of existing Water Resources.

D. Gibbs

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Yulalona Hydrology

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APPENDIX A

IRRIGATION WATER USE BY CROPS IN SANTA BARBARA COUNTY

CROP	South Coast Area Range	South Coast Area Ave	Santa Maria & Lompoc Valleys Range	Santa Maria & Lompoc Valleys Ave	Santa Ynes, Los Alamos, & Sisquoc Valleys Range	Santa Ynes, Los Alamos, & Sisquoc Valleys Ave	Cuyama Valley Range	Cuyama Valley Ave
Field Crops								
Beans			.5-1.3	1.0	.9-1.5	1.3	1.0-1.7	1.5
Corn, field			1.5-2.2	1.8	2.0-2.8	2.2	2.4-3.2	2.8
Grain, irrigated			.3- .7	0.5	.6-1.0	.8	1.0-1.8	1.5
Sugar Beets			2.6-3.2	3.0	3.0-3.6	3.2	3.6-4.6	4.0
Forages & pastures								
Alfalfa			2.6-3.3	3.0	3.0-4.0	3.5	4.0-4.6	4.3
Pasture/irrigated			2.8-3.3	3.0	3.3-4.0	3.7	4.0-4.6	4.3
Sudangrass			1.0-1.8	1.5	1.3-2.0	1.7	2.0-3.0	2.5
Ornamentals								
Cut Flowers/field	1.5-2.3	1.8	1.5-2.3	1.8				
Flower seeds			1.5-3.0	2.3	2.0-3.5	2.7		
Greenhouse-								
-Carnations	2.0-3.0	2.5						
-Mums, pompom	3.0-4.5	4.0						
-Mums, potted	4.5-5.5	5.5						
Turfgrass	2.5-2.8	2.7	2.5-2.8	2.7	3.0-4.0	3.5	3.5-4.5	4.0
Trees and Vines								
Avocados	1.0-2.0	1.6	1.1-2.1	1.7				
Deciduous Fruits			1.2-2.0	1.7	1.5-3.0	2.5	3.0-4.5	3.8
Grapes			.7-1.8	1.2	1.0-3.0	2.0		
Lemons	.8-1.8	1.5	1.0-2.0	1.6				
Walnuts	1.0-2.0	1.5	1.3-2.5	1.8	2.0-3.5	3.3		
Vegetables								
Broccoli/Cabbage			1.3-1.5	1.4	1.5-2.0	1.7		
Cauliflower			1.5-2.0	1.7	2.0-3.0	2.5		
Carrots			1.5-3.0	2.3	2.0-2.5	2.2	2.5-3.5	3.0
Celery			2.0-2.5	2.2	2.0-2.5	2.2		
Lettuce			1.0-1.3	1.1	1.0-2.0	1.5		
Potatoes			1.5-2.0	1.7	2.0-3.0	2.5		
Strawberries	2.5-3.5	3.0	2.5-3.0	2.7				
Tomatoes	1.0-2.0	1.5	1.5-2.0	1.7				

See back page for assumptions.