

Administration :

BOD Update 2/8/2022

Management

Environmental Resources

Information Technology

Communications

Safety

Administration Services are departments and groups of related activities and resources that support the needs of District obligations. Administrative departments include those activities and resources that apply across the District and are part of Fund 70, Internal Services. Below is an overview of the 2022 budget year totals for Administration:

	Management	Environmental Resources	IT	Safety	Communications
2022 Budget	\$3,729,002	\$2,390,669	\$1,457,327	\$355,416	\$239,359
2022 Staffing #	5.75	2	3	2	1



Management

Who We Are

- ▶ Jennifer Hanson - General Manager
- ▶ Greg Jones - Assistant General Manager
- ▶ Kris Stepanian - Board Secretary
- ▶ Kate Gunther - Records Management Assistant (Central Files)
- ▶ Katie Kemp - Office Assistant II (Central Files)
- ▶ Vacant Part-Time Position - Office Assistant (Central Files)

The Management Department consists of 5 staff dedicated to Districtwide functions including: Organizational & Business Administration; Board and Committee Meetings Administration; Board Policy & Resolutions Management; Legal Administration; Risk Management, Insurance & Claims Administration; Management of Public Records Act Requests; Labor Negotiation Representation; Strategic & Long-term Planning Oversight; Departmental Coordination; External Public Agency Coordination; etc....



Environmental Resources

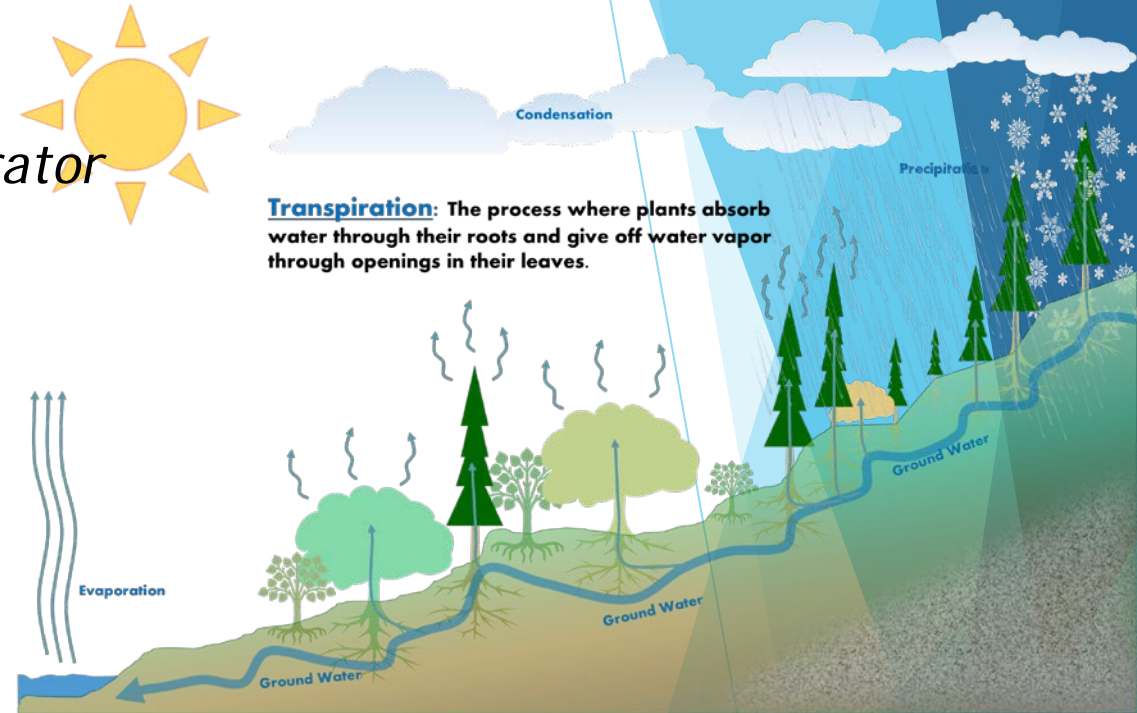
WHO WE ARE:

- Neysa King, MS - Environmental Resources Administrator
- Cameron Townsend - Environmental Resources Technician I

NID's Environmental Resources division uses science-based, research and analytical methods to manage District forests and wildlands and is committed to improving the resiliency and sustainability of the watersheds in our care.

We recognize that productive and healthy watersheds provide water vital for human consumption, aquatic and terrestrial ecosystems.

Watersheds depend on collaboration- we work with partners in different agencies and organizations to implement healthy forests projects, restore mountain meadows, leverage funding opportunities, and provide watershed education opportunities when possible.



Env. Resources : 2021 ACCOMPLISHMENTS



- **CAL FIRE CFIP Rollins Reservoir Fire Fuels Reduction Project**
 - 103 acres treated at Long Ravine and Orchard Springs Campgrounds
 - Mastication, hand crew, bucket truck pruning and hazard limb removal
- **Hazard Tree Removal**
 - Removed hundreds of dead, dying, and diseased trees within strike potential of camping slips and facilities
 - Upper / Lower Division Campgrounds treated

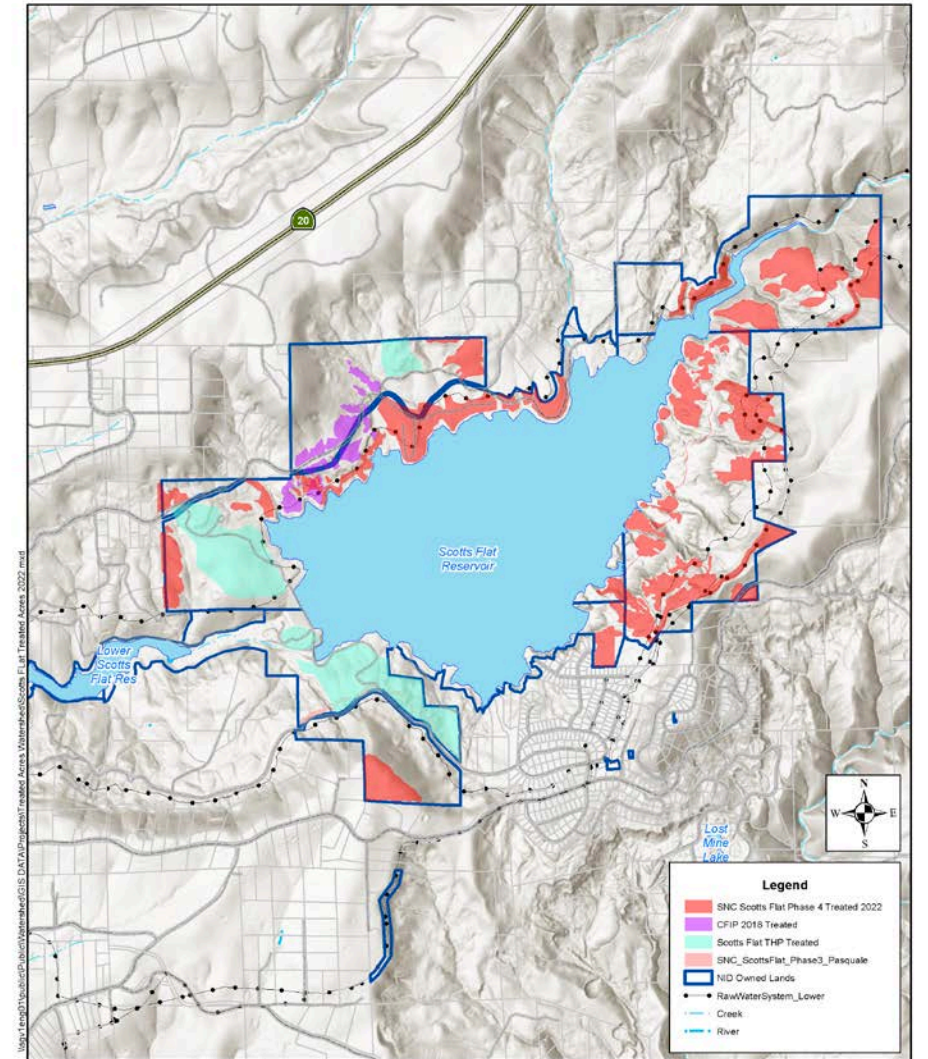


- **SNC Scotts Flat Fire Fuels Reduction Grant Project**
 - 280 of 300 acres of fire fuels treatment completed
- **River Fire Remediation Actions**
 - 80 acres treated within burn scar
 - Hazard tree removal, hand crew + chipping, erosion control



Env. Resources: 2022 Fire Fuels Grant-Funded Projects

- **SNC Scotts Flat Fire Fuels Reduction Grant Project**
 - 300 acres treated & completion by May (weather permitting)
 - Reduce wildfire risk / Improve forest health / Enhance hydrologic activity
 - 2022 Budget: \$110K (100% Reimbursable)
- **CAL FIRE CFIP Magnolia Rd / Parker Ranch**
 - 151 acres for fire fuels treatment on NID property near Magnolia Road
 - Site Preparation Jan.- March 2022
 - Project Implementation spring and fall 2022
 - 2022 Budget: \$298K (75% Reimbursable)
- **SNC Wildfire Recovery Grant (January Proposal)**
 - 225 Acres of River Fire Burn Scar Treatment
 - Mastication & hand crews
 - Herbicide application to manage regrowth
 - Revegetation with conifers for forest community
 - Estimated Cost: \$1.012M (~90% Reimbursable)



Env. Resources: English Meadow Restoration Project

➤ 2021 Accomplishments

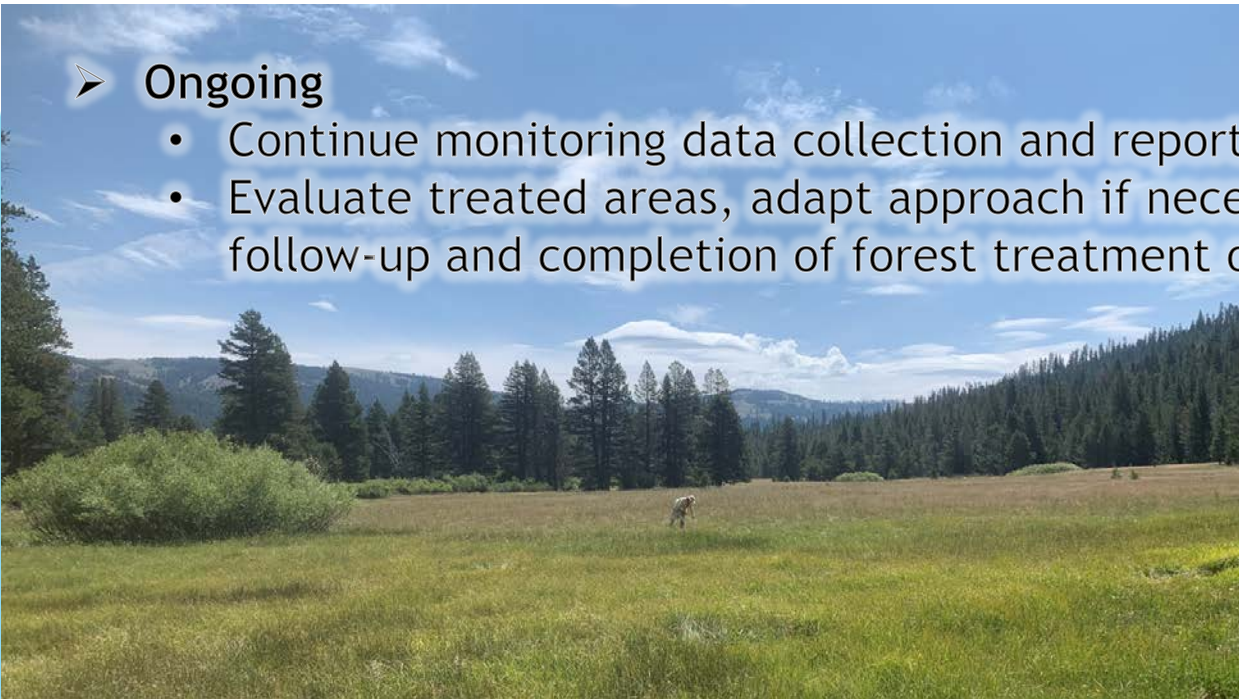
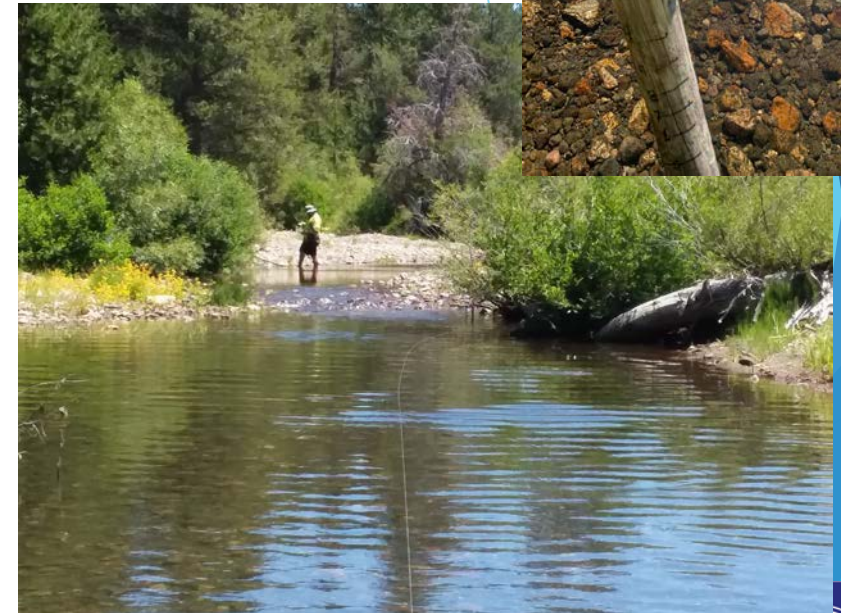
- Final Pre-Project Data Collection and Monitoring
- Initial Study / Mitigated Negative Declaration Adopted (CEQA Satisfied)

➤ 2022 Timeline

- Permits: January / February 2022
- Bidding and Contracting: February-April 2022
- Implementation of Middle Yuba River Restoration Activities and forest thinning: July-Oct. 2022

➤ Ongoing

- Continue monitoring data collection and reporting
- Evaluate treated areas, adapt approach if necessary for 2023 follow-up and completion of forest treatment on 380 ac.



Photos: Stream Condition Inventory data collection & native seed harvesting; English Meadow, July 2021

Env. Resources: Additional Activities in 2022

➤ Administrative & Planning Activities

- Forest Management Plan
- Grant Writing / Management / Reporting
- CMMS Implementation

➤ River Fire Mitigation and Rehabilitation

- Monitor post 2021-22 winter impacts on treatment areas, identify priorities
- SNC Wildfire Recovery and Forest Resilience Grant Program

➤ Hazard Tree / Forest Health / Fire Fuels

- Campground Hazard Assessment & Activity
- Defensible Space adjacent to private property

➤ Watershed Education & Regional Partnerships

- Civic Spark / AmeriCorps
- Sierra Streams Institute - Our Forests Field Program
- CABY - RWMG
- USFS Master Stewardship Agreement
- STEAM Expo (Pending)



River Fire at John Henry Canal Pre-Treatment



River Fire at John Henry Canal CFIP Post-Treatment

INFORMATION TECHNOLOGY

Who We Are:

- Fulltime staff
 - John Ortiz – Information Technology Administrator
 - Rod McGhee – Information Technology Analyst
 - Kriss Butcher – Information Technology Analyst

Temp Staff

- Joe Ryan – Application Support Analyst
- Brent Dickinson – Helpdesk / Desktop Support
- Chris Franks – Network Analyst

The mission of the Information Technology Department is to build a quality and comprehensive technology infrastructure, establish and maintain an effective operational environment, and deliver quality, cost effective and reliable technology services.



INFORMATION TECHNOLOGY : WHAT DO WE SUPPORT?

- Infrastructure support

- Storage Array (Grass Valley & Colfax)
- Servers, Workstations, Laptops > 350 devices
- Mobiles devices (Smartphones, portable devices) > 100 devices
- Boardroom AV equipment
- Network Infrastructure (switches, routers, wireless access points, firewall, VPN) > 200 devices

- Application Support

- SCADA reporting (Grass Valley & Colfax)
- Report writing / development
- Financial system and reporting
- Lucity
- Laserfiche Archiving software
- ESRI GIS technology
- Legacy custom software
- Hydstra (Grass Valley & Colfax)

- Cyber Security

- Remote site support (Recreation & Hydro >20)

- Ancillary systems / software

- Door Security (Badge system)
- Mitel VoIP phone system
- Camera Systems
- Fueling System
- Barcode Scanning
- B2B Automation



IT: 2021 ACCOMPLISHMENTS

- **Technology Infrastructure Enhancements**
 - Significant improvement to LAN network routing by replacing layer 2 switches with next generation layer 3 switches
 - Hardened our cyber security by implementing next generation hardware and software
 - Replace Firewall
 - Increase work mobility by replacing legacy phone system with cloud hosted Mitel VoIP phones
 - Staff made several change to improve functionality and redundancy by replacing our core switches
- **Journey to the Cloud**
 - Migrate on Premise Email Exchange to Microsoft Office 365
 - Replicate our Active Directory with the Microsoft Azure platform for O365 and future projects
 - Moved hardware faxing capability to e-fax
 - Transition NIDWATER.COM to new hosting vendor (Streamline)
- **Experienced a security breach.** The IT team responded quickly to reduce risk and bring the system back up.
- **New IT Security Framework**
 - Implement advanced 24x7x365 network security monitoring critical and sensitive areas.
 - Major effort and funding went into improving our cyber security effort
- **Helpdesk – Closed 1,245 problem tickets**



IT: PLANNING FOR THE FUTURE

Projects (2022)

- Pentamation Upgrade
- Network appliance replacement (Firewall)
 - Sedaru (Lucity replacement)
 - Laptop redeployment focused on standardization and security (MFA & VPN)
 - Camera replacement (Grass Valley)
 - Recreation Point of Sale (POS) – Square technology

Improve Security Framework

- Replace next generation firewall to improve communication security (Voice & Email)
- Continue 24x7x365 network security monitoring in critical and sensitive areas.

Application Support

- Deploy a form of data governance and move reporting platform to new server environment
- Remove legacy SQL datastore
- Improve O365 implementation – focused on security

Staffing

- Add fulltime Network Analyst
- Invest in staff education to build skillset
- Continue to augment staff with consultants

Replace Door control system (2023)

Review & Implement Hydro Custom logging application (2023)

Replace Legacy camera system at remote sites (2023)



NID

Water for Life

Communications Department

WHO WE ARE:

- *Susan Lauer: Communications Specialist II*

The primary goal of communications is to produce information to increase community awareness about District activities and to enhance the District's overall image. We do this through:

- Timely and Informative Press Releases to Media Affiliates
- Monthly Newsletters – Internal and External
- Social Media Messaging about NID Strategies, Programs and Projects
- Monthly Blog Posts
- Website Updates and Branding Strategies
- Video Creation, Bill Inserts, Paid Advertising, etc.



Communication's Objectives: Brand Campaigns Across All Channels

Overarching Branding Characteristics:

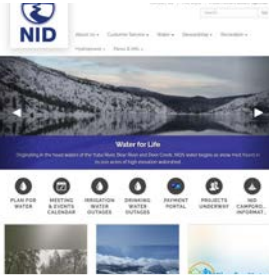
NID is Valued, Trusted and Our Customers are Satisfied

- ▶ **Reliability** - NID has delivered water for over 100 years, reliably & dependably
- ▶ **Value** - NID brings high quality water, recreation and clean energy to our community
- ▶ **Operations/Maintenance/Customer Service** - The many faces of NID are at your service
- ▶ **Stewards** - NID as steward of the environment and other District resources in our care
- ▶ **Accessible** - Always open to you...our customers, our community



NID

Communication Channels



Website



News Releases



Newsletters



E-blasts



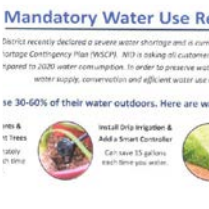
Videos



Social Media



Display Ads



Bill Inserts

How we communicate with our customers and the community

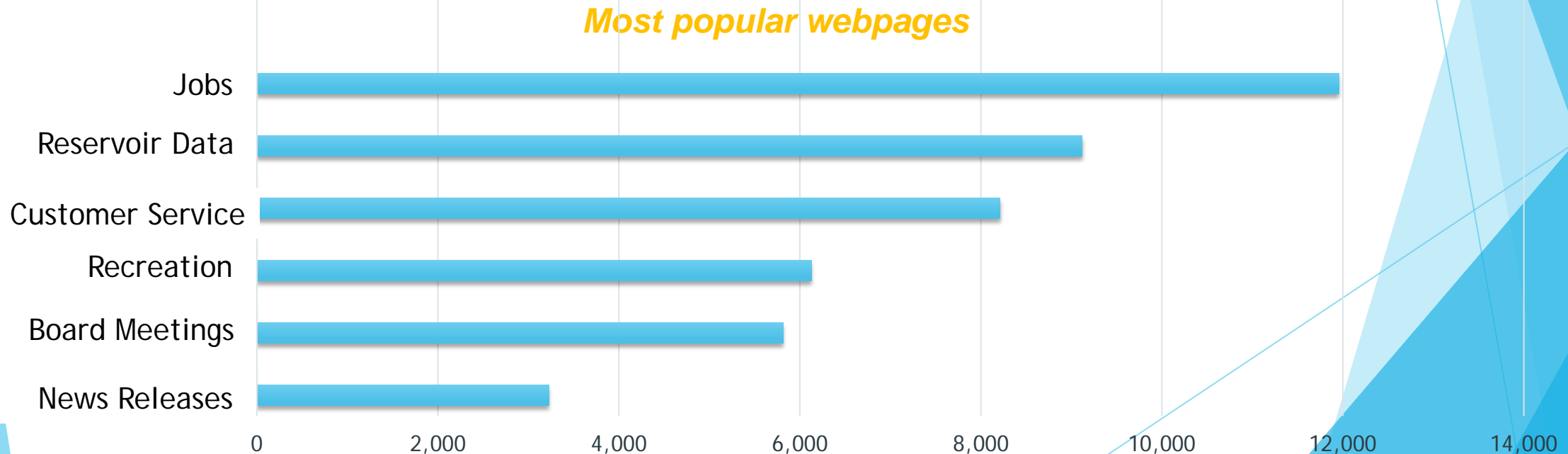


Key Campaign: New Website and Blog

Primary Communications Responsibilities

- ▶ Content Management – create webpages, write information and releases – **240,453 pageviews**
- ▶ Engage Lists – E-blast to subscribers.
 - ▶ News & Alerts = 4,609 subscribers Plan for Water = 525 Blog = 291

Who's visiting our webpage? Visitors have diverse interests



Key Campaign: Drought & Conservation

Communications works with the Water Efficiency team to coordinate messaging and keep the drought and conservation information current

Message topics included (but not limited to):

- ❖ Current Drought Stage
- ❖ Tips to save water
- ❖ Outdoor use and Indoor use statistics
- ❖ Current reservoir levels with use of pictures
- ❖ Rebates & Resources

How Do We Communicate?

News Releases – Releases Media and Posted to Website

Website – Drought & Water Efficiency pages - Front Page Promotion

GM Newsletter – Monthly

Bill Inserts and Mailings – As Necessary

Social Media – Facebook, Instagram, LinkedIn

In Person - Nevada County Fair Booth, Banners and Fair Guide



Digital Marketing KPI's: Monthly Content Development

- Monthly Social Media - 5% Growth QoQ
 - Facebook - 15 posts
 - Instagram - 15 posts
 - LinkedIn - 10 posts
 - GMB - 10 posts
- Monthly Blog Posts - 5% Website Traffic Increase QoQ
- Direct Email - 20% Open Rate
- Facebook Ad Buys - 5% Growth QoQ



Plan for Water Social Media Engagement Calendar

Q1 - 2022

Blog Schedule

January:

Water System Overview - How NID Delivers Irrigation and Treated Water from Source Watersheds to Its Users

February:

Water Rights - Location, Seniority, and Current Users

March:

Watershed Management

Social Post Schedule

1/4/22

2022 Season Passes Now Available

Get your 2022 Season Passes Now! Passes Available:
Boat Season Pass
Boat Season Pass All NID Lakes
Day Use Season Pass
Day Use Season Pass All NID Lakes
Seasonal Mooring Balls and Dry Storage
Purchase Here:

1/5/22

December Storms Bring Dramatic Increase in Snowpack

Average snowpack in California went from 18% to 98% in just two weeks in December. The sudden change gives us the wettest start to the season in more than 40 years. Although Mother Nature is unpredictable, it's a great start in the right direction.

1/6/22

Next Meeting: Tuesday, January 11 @ 4 pm

This month's Plan for Water workshop will focus on the District's lower water system. The aim of the Plan for Water process is to determine the best ways to meet the community's demand for water over the coming decades. Key to this is public input and participation. Please join us! Sign up on the Plan for Water mailing list to receive notifications and meeting Zoom links.

1/17/22

Campsite Reservations Open Tomorrow at 12 am!

2022 Reservations open tomorrow at 12:00 am! Reserve your campsite right away to avoid missing out:
Scotts Flat Lake (530) 265-5302
Faucherie, Aspen, Silvertip Groups and Scotts Flats Groups (530) 265-5302
Orchard Springs (530) 346-0073
Long Ravine (530) 346-6166
For more information check out our Recreation page:

1/19/22

Sustainable Farming: In the Past 20 Years, CA Almond Growers Have Reduced Their Water Use by 33%

In the last 20 years, CA almond growers have reduced their water use per pound of almond production by 33% according to the Northern California Water Association (NCWA). Almond growers are protecting the environment as well as their orchards by using practices such as integrated fertilization, demand-based irrigation, and optimized irrigation infrastructures. We can all do our part to conserve water!

1/20/22

Delivering the Best-Quality Drinking Water

NID is vigilant in delivering the best quality drinking water to our customers. From the Sierra Snowpack to your tap, we treat and distribute more than 3.2 billion gallons of surface water a year. Want to know more? Read our Annual Water Quality Report:

1/10/22

NID's 7 Power Plants Generate Energy for the Entire District Plus About 60,000 Homes

Hydropower is fueled by water, so it's a clean, renewable energy source that doesn't pollute the air like fossil fuels. NID operates seven hydropower plants and generates enough electricity to supply the District's own energy needs plus that of about 60,000 homes.

1/11/22

Read Our Latest Blog: Powering Humanity: The Role of Hydropower in NID's Ecosystem

Hydropower is a major contributor to America's clean energy infrastructure, playing a critical role in advancing our country's energy future. Read our latest blog post to learn more:

1/13/22

NID's Hydro Staff Put Out a Spot Fire Near Power Plant

Not all fires are as catastrophic as 2021's River Fire. But even small fires can be dangerous and water is critical in preventing them from causing serious damage. This image shows some of NID's Hydro Staff putting out a spot fire they discovered last summer.

1/25/22

Hydro Maintenance: Clear Creek Tunnel Improvements

NID has been making improvements to the Clear Creek Tunnel. This is part of our Hydro Maintenance program which keeps our hydropower plants running smoothly.

1/26/22

Conservation Tip: While Waiting for Shower to Heat Up, Collect Water in a Bucket to Water Houseplants

WATER CONSERVATION TIP: If it takes a long time for the hot water to reach your shower, use it as an opportunity to collect water for other uses, such as watering houseplants.

SAFETY DEPARTMENT

Who We Are

- *Don Bird – Safety Analyst*
- *Cindy Ware – Safety Technician II*

At NID, safety is primary concern for our employees. The continued health of the District is highly dependent upon the proactive, and reactive, management of our physical and human resources.

NID strives for a fully functional Safety Department to serve all the District's safety needs. NID's Safety Department strives to be a positive service to all District departments through training, assessment.



Safety Department – Overview

The Safety Department is responsible for implementing the following:

▶ Injury & Illness Prevention Program (IIPP)

- ▶ General Safe Work Practices
- ▶ Heat Illness Prevention
- ▶ Bloodborne Pathogen Exposure Control Program
- ▶ Confined Space Procedure
- ▶ Hot Work Permit
- ▶ Confined Space Authorized Person List
- ▶ Fall Protection Program
- ▶ Electrical Safety Program
- ▶ Lockout / Tagout Program
- ▶ Asbestos Cement Pipe Procedure
- ▶ Fuel Storage and Handling at Marina
- ▶ Spill Response Plan/Control Measures
- ▶ Radio Operations

▶ Training Programs

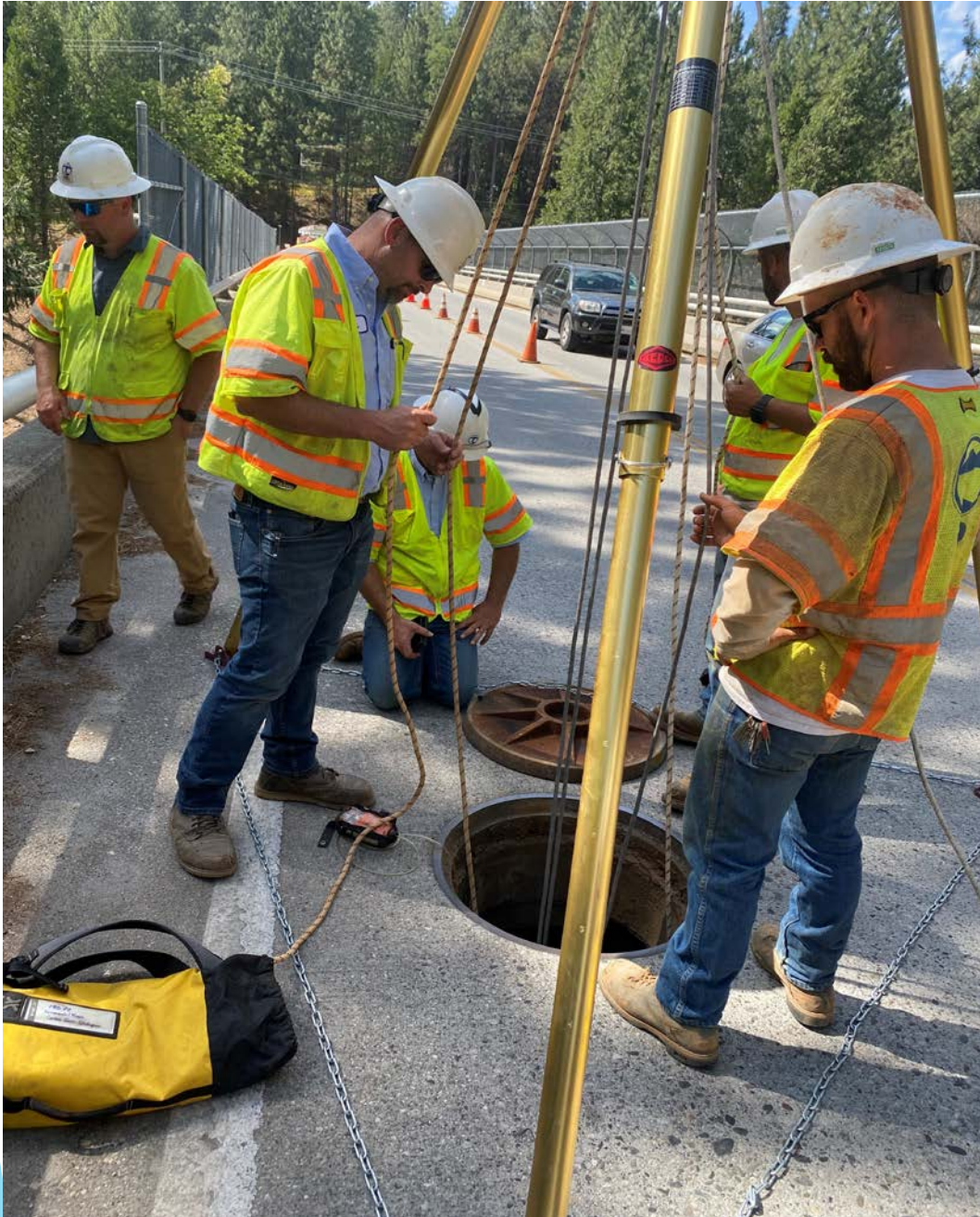
- ▶ New Hire Safety
- ▶ CPR
- ▶ Heavy Equipment & Forklift
- ▶ Fire Extinguisher
- ▶ Traffic Control & Flagging
- ▶ Chainsaw
- ▶ Rigging
- ▶more....

▶ Other Activities....

- ▶ Accident / Injury Response
- ▶ Job Site Check-In
- ▶ OSHA Records Handling
- ▶ ...more...



Water for Life



Confined Space Entry Permit

- Location: Inside the bridge deck at Banner Lava Cap Road

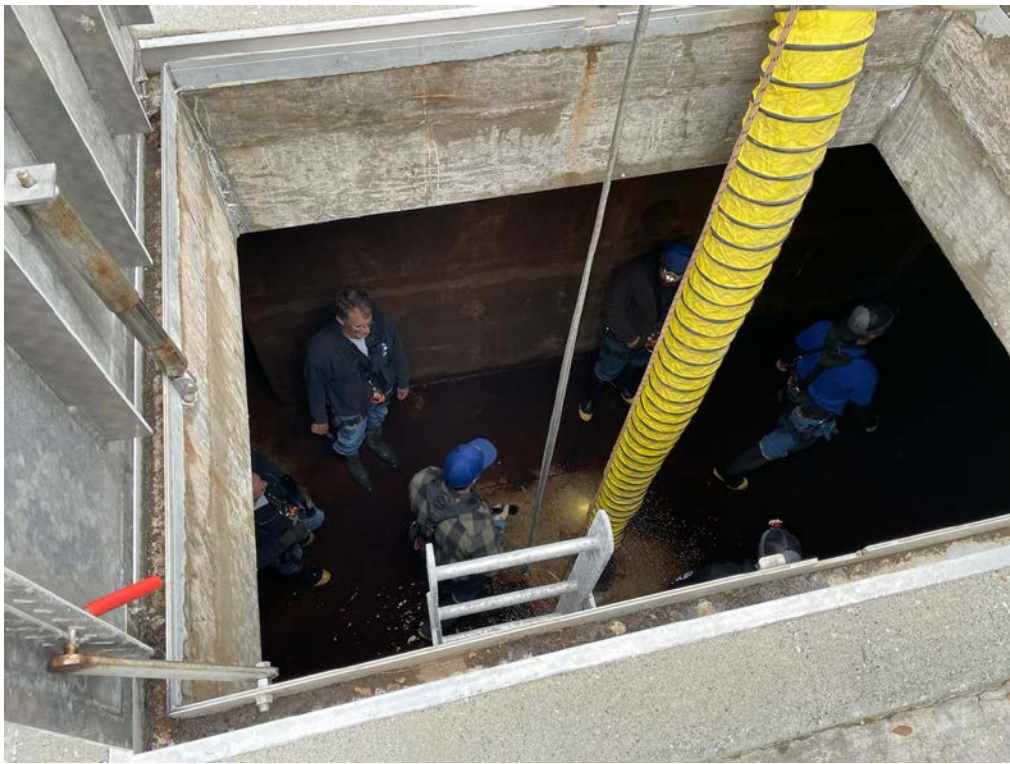
- Safety Activity / Tools Utilized:
 - Tripod system for entry and rescue
 - Carbon monoxide monitor
 - Traffic control

- Possible Hazards Include:
 - Carbon monoxide
 - Hydrogen sulfide
 - Traffic safety
 - Noise

Fall Protection

- Location: Bowman Dam Inspection
- Safety Activity / Tools Utilized:
 - Fall Protection & Rescue
- Possible Hazards Include:
 - Falling
 - Heat/Cold Exposure





Confined Space Rescue

- Location: Lake of the Pines Water Treatment Plant
- Inspection of clear well before cleaning

- Safety Activity / Tools Utilized:
 - Fall Protection
 - Tripod system used for entry and rescue
- Possible hazards include:
 - Atmospheric conditions
 - Slips, trips, and falls





Containment of Hazardous Materials

- Location: Rollins Lake - Long Ravine Campground
- Under water gas tank recovery
- Safety Activity / Tools Utilized:
 - Hazardous Spill Prevention
 - PIG sorbents for spill control and spill containment





Inspection of Leaky Valve

- Location: Loma Rica Water Treatment Plant
- Safety Activity / Tools Utilized:
 - Fall Protection System - Truck mount davit arm
- Possible Hazards Include:
 - Engulfment
 - Slips, trips, and falls
 - Atmospheric conditions

A Look Ahead: Safety Department-2022

- Ongoing Implementation of the Injury & Illness Prevention Program (IIPP)
- Continuous Trainings:
 - New Hire and Temp Orientation
 - Heavy Equipment
 - Flagging and Traffic Control
 - Chainsaw
- Annual Trainings:
 - Bloodborne Pathogens
 - HAZWOPER 8-hour refresher (Hazardous Waste Operations and Emergency Response)
- Biannual Trainings:
 - CPR / First Aid
 - Fire Extinguisher and Fire Evacuation Drill
 - Confined Space
 - 40-hour rescue
 - Trenching and Shoring
 - Asbestos
 - Rigging



THANK YOU

NID Video

